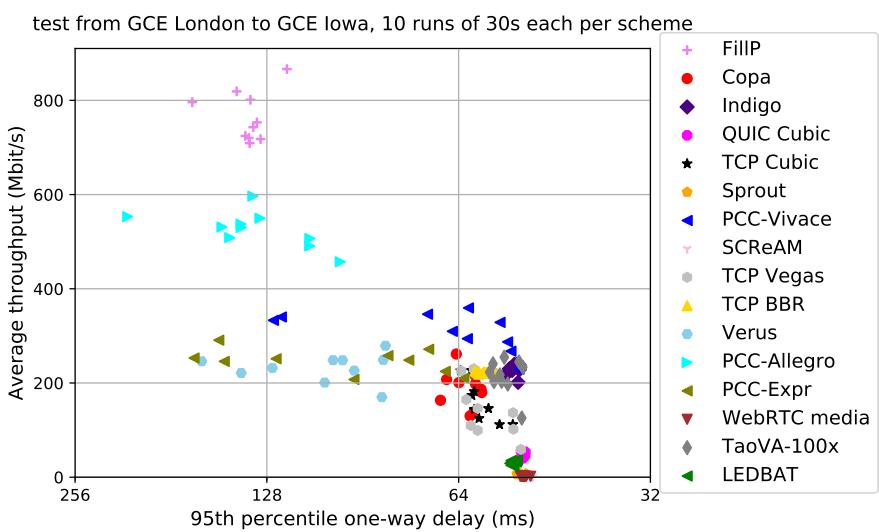
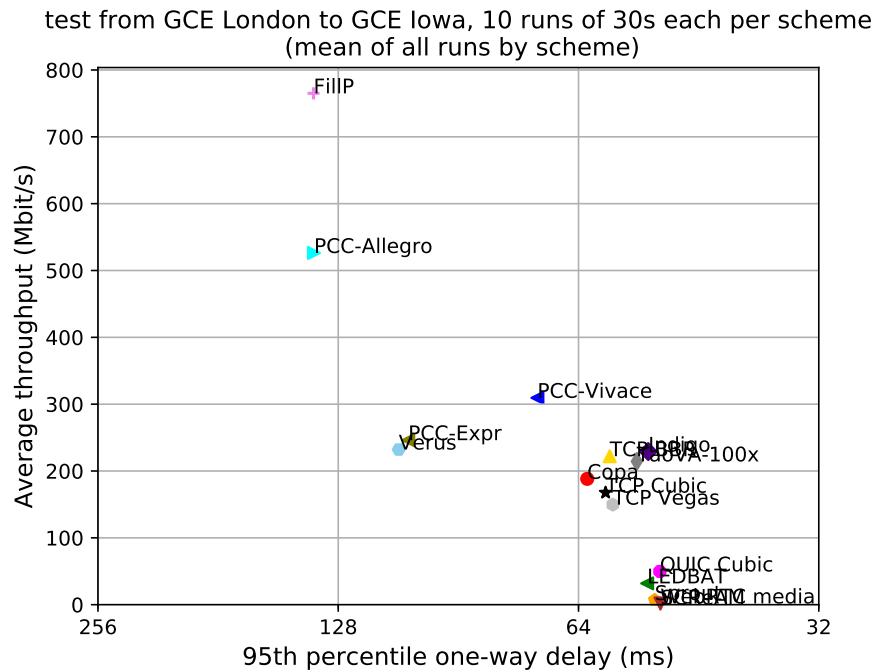


Pantheon Report

Generated at 2018-06-07 04:57:00 (UTC).
Data path: GCE London Ethernet (*local*) → GCE Iowa 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 `time.google.com` 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
```



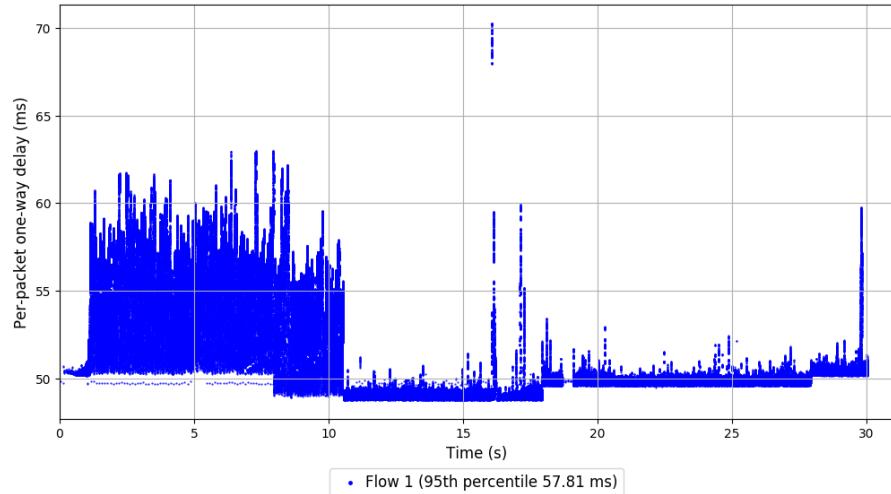
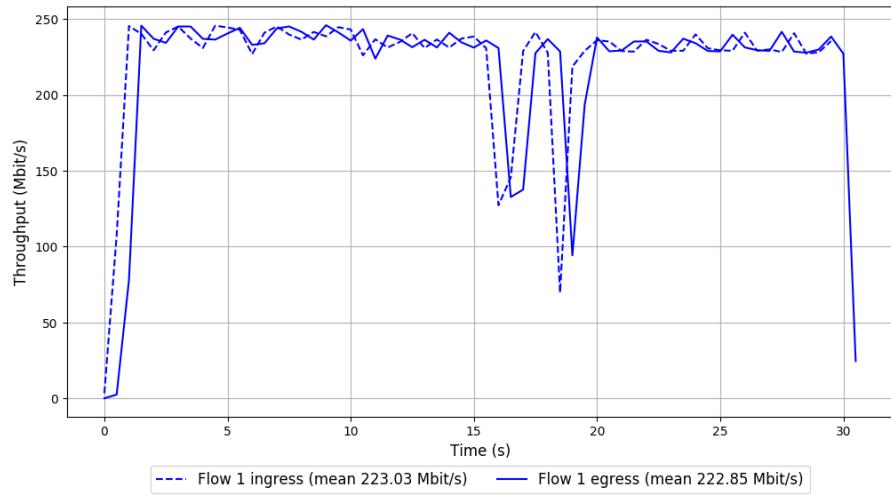
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	222.16	58.49	0.01
Copa	10	188.28	62.41	0.01
TCP Cubic	10	167.62	59.19	0.01
FillP	10	765.06	137.46	6.15
Indigo	10	229.06	52.34	0.00
LEDBAT	10	31.88	52.51	0.00
PCC-Allegro	10	526.19	137.26	0.98
PCC-Expr	10	246.15	104.61	0.21
QUIC Cubic	7	49.75	50.61	0.00
SCReAM	10	0.22	50.52	0.00
Sprout	10	7.00	51.37	0.00
TaoVA-100x	10	214.35	54.10	0.01
TCP Vegas	10	149.65	57.97	0.02
Verus	10	232.12	107.51	1.04
PCC-Vivace	10	309.48	72.06	0.10
WebRTC media	10	1.87	50.53	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-07 00:05:20
End at: 2018-06-07 00:05:50
Local clock offset: -0.038 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-06-07 03:37:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.85 Mbit/s
95th percentile per-packet one-way delay: 57.811 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 222.85 Mbit/s
95th percentile per-packet one-way delay: 57.811 ms
Loss rate: 0.07%
```

Run 1: Report of TCP BBR — Data Link

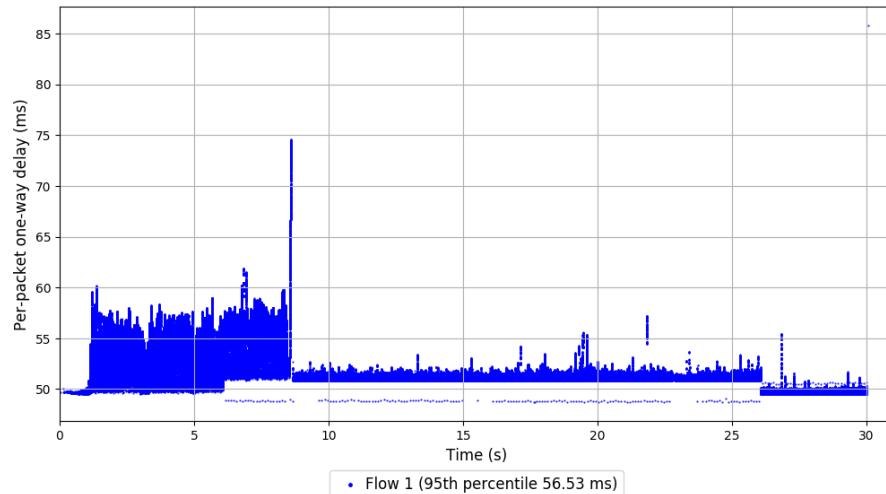
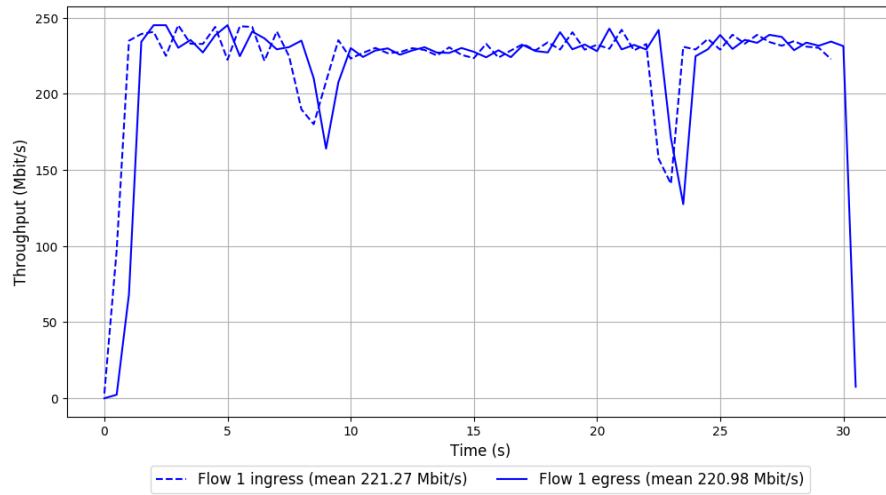


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-07 00:25:42
End at: 2018-06-07 00:26:12
Local clock offset: -0.045 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-06-07 03:37:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.98 Mbit/s
95th percentile per-packet one-way delay: 56.532 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 220.98 Mbit/s
95th percentile per-packet one-way delay: 56.532 ms
Loss rate: 0.03%
```

Run 2: Report of TCP BBR — Data Link

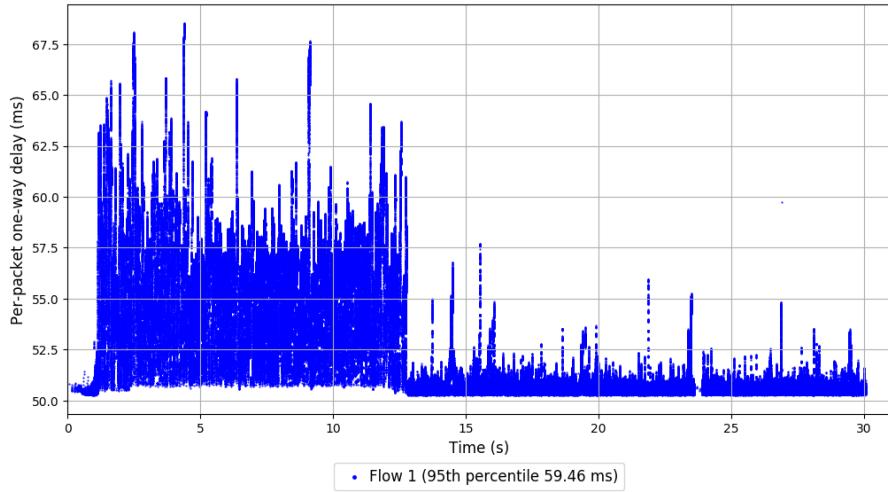
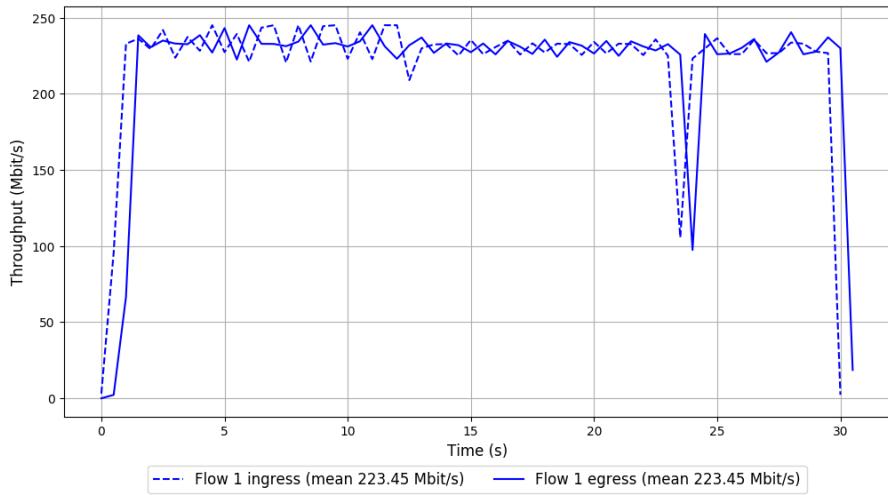


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-07 00:45:45
End at: 2018-06-07 00:46:15
Local clock offset: -0.093 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-06-07 03:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.45 Mbit/s
95th percentile per-packet one-way delay: 59.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.45 Mbit/s
95th percentile per-packet one-way delay: 59.463 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link

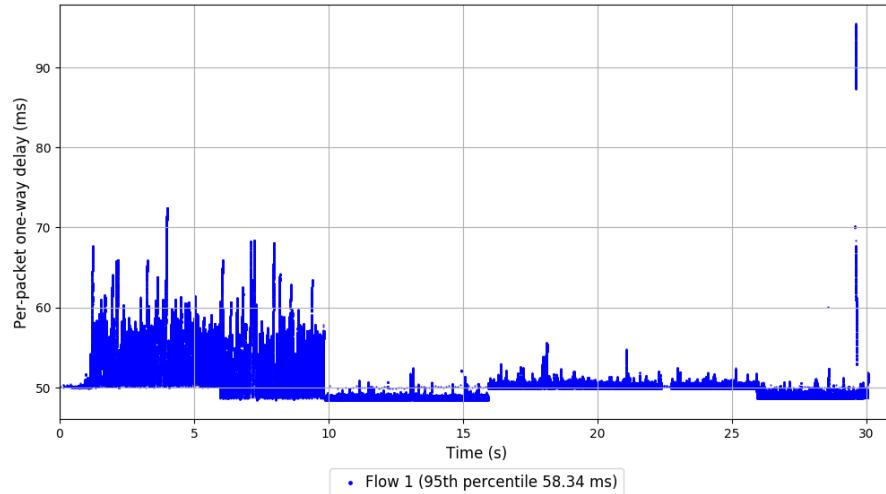
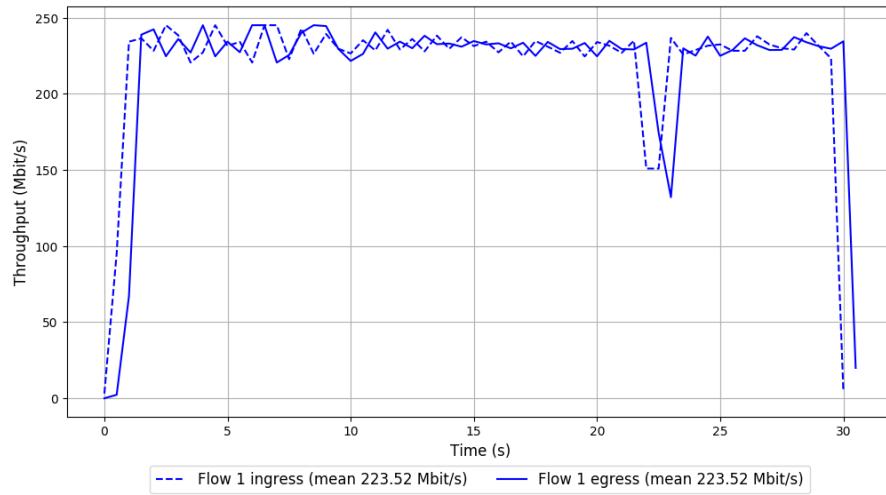


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-07 01:06:12
End at: 2018-06-07 01:06:42
Local clock offset: 0.359 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-06-07 03:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.52 Mbit/s
95th percentile per-packet one-way delay: 58.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.52 Mbit/s
95th percentile per-packet one-way delay: 58.338 ms
Loss rate: 0.00%
```

Run 4: Report of TCP BBR — Data Link

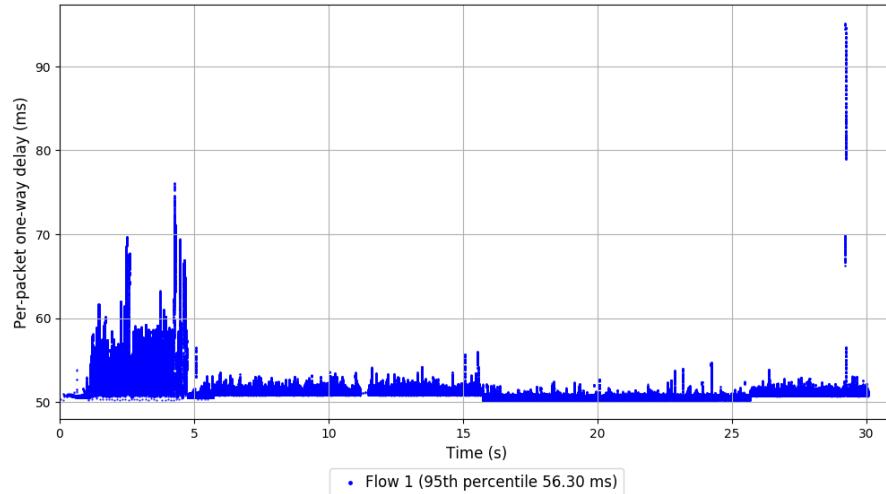
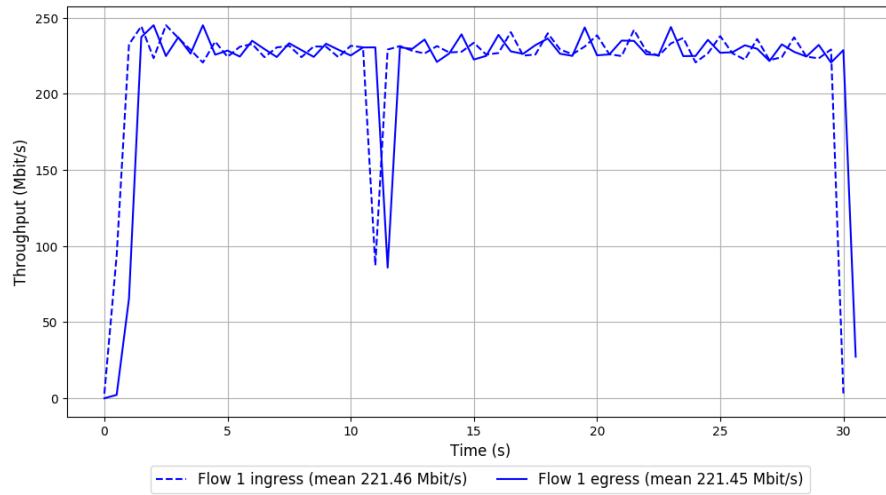


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-07 01:26:51
End at: 2018-06-07 01:27:21
Local clock offset: 0.003 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-06-07 03:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.45 Mbit/s
95th percentile per-packet one-way delay: 56.301 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 221.45 Mbit/s
95th percentile per-packet one-way delay: 56.301 ms
Loss rate: 0.01%
```

Run 5: Report of TCP BBR — Data Link

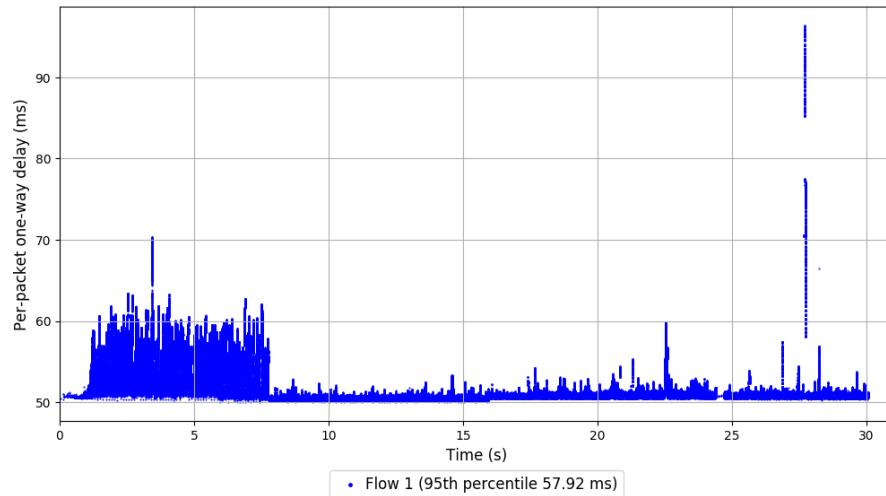
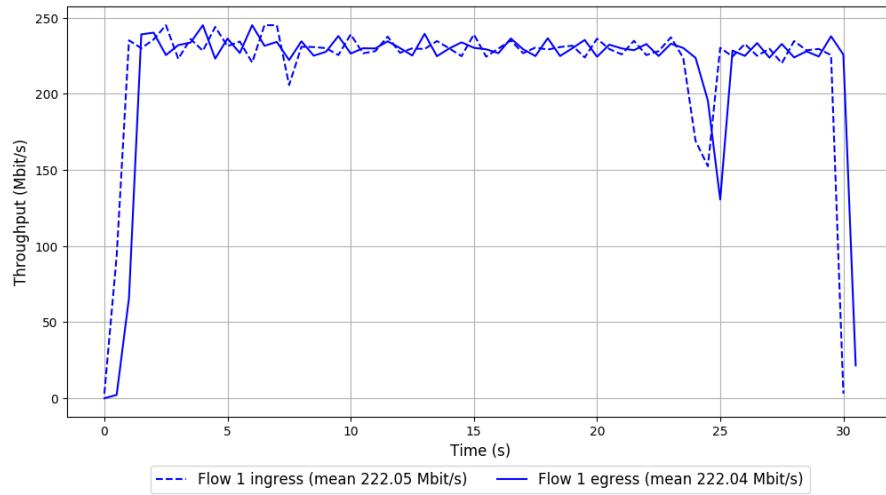


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-07 01:47:11
End at: 2018-06-07 01:47:41
Local clock offset: -0.105 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-06-07 03:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.04 Mbit/s
95th percentile per-packet one-way delay: 57.921 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 222.04 Mbit/s
95th percentile per-packet one-way delay: 57.921 ms
Loss rate: 0.01%
```

Run 6: Report of TCP BBR — Data Link

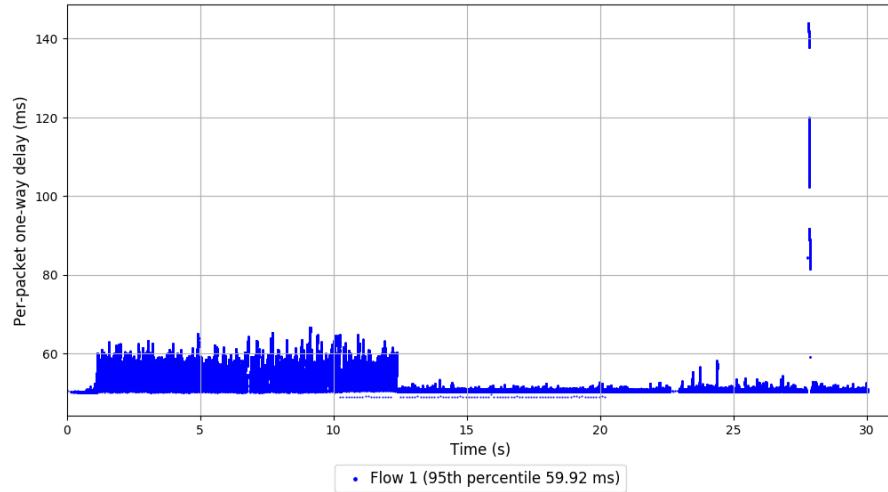
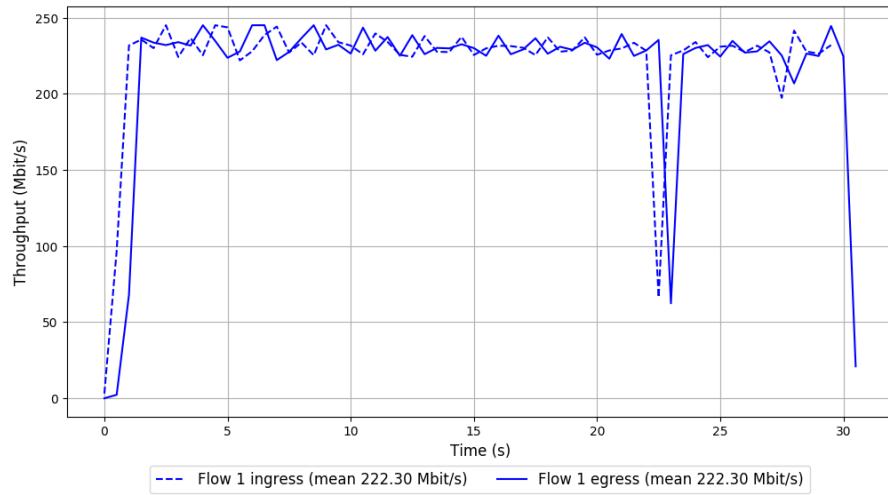


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-07 02:07:37
End at: 2018-06-07 02:08:07
Local clock offset: -0.015 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-06-07 03:37:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.30 Mbit/s
95th percentile per-packet one-way delay: 59.920 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.30 Mbit/s
95th percentile per-packet one-way delay: 59.920 ms
Loss rate: 0.00%
```

Run 7: Report of TCP BBR — Data Link

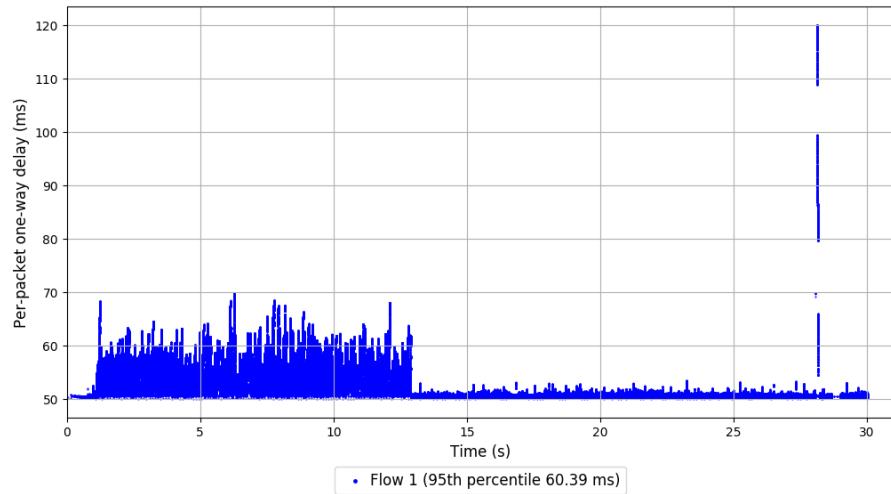
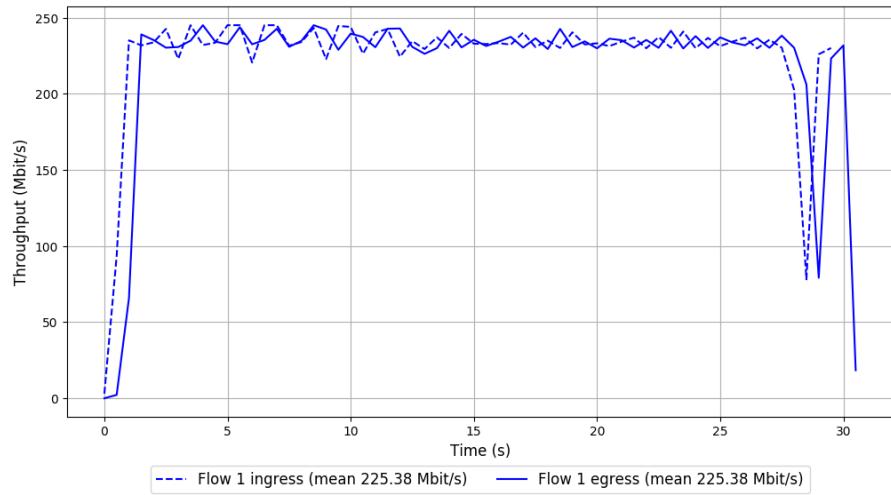


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-07 02:28:06
End at: 2018-06-07 02:28:36
Local clock offset: 0.413 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-06-07 03:37:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.38 Mbit/s
95th percentile per-packet one-way delay: 60.386 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 225.38 Mbit/s
95th percentile per-packet one-way delay: 60.386 ms
Loss rate: 0.00%
```

Run 8: Report of TCP BBR — Data Link

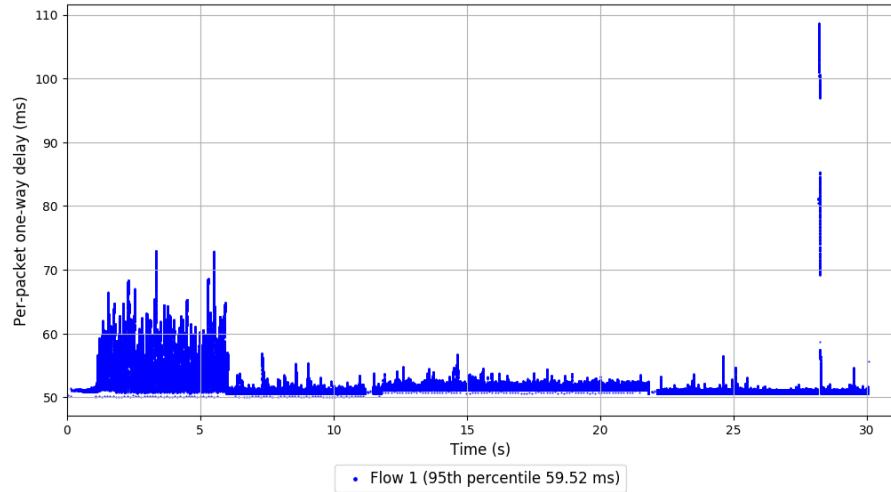
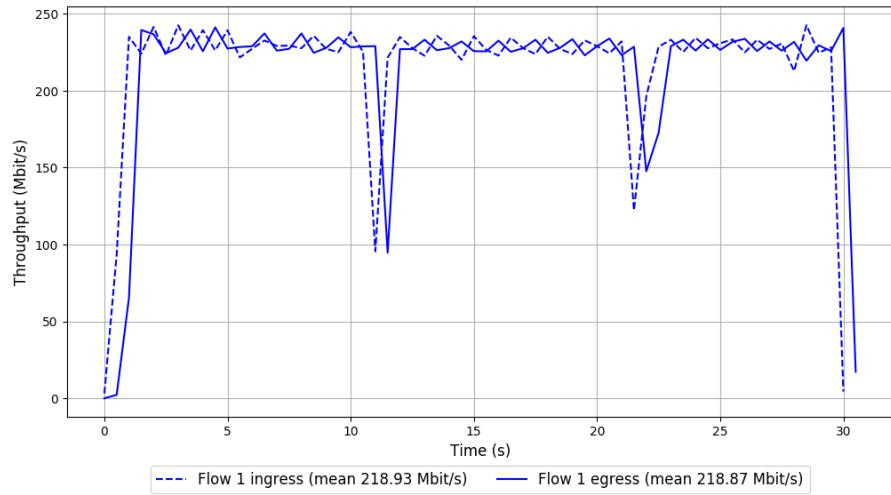


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-07 02:48:15
End at: 2018-06-07 02:48:45
Local clock offset: -0.38 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-06-07 03:40:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.87 Mbit/s
95th percentile per-packet one-way delay: 59.520 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 218.87 Mbit/s
95th percentile per-packet one-way delay: 59.520 ms
Loss rate: 0.02%
```

Run 9: Report of TCP BBR — Data Link

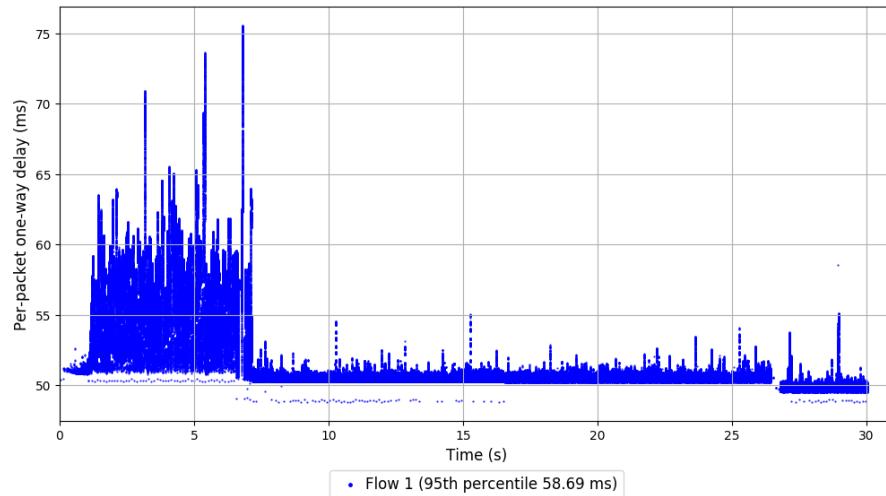
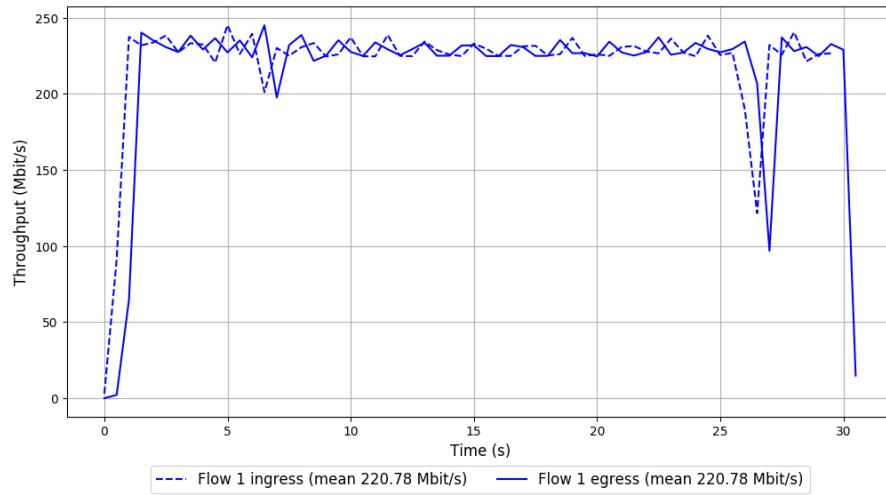


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-07 03:08:41
End at: 2018-06-07 03:09:11
Local clock offset: -0.013 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-06-07 03:40:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.78 Mbit/s
95th percentile per-packet one-way delay: 58.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.78 Mbit/s
95th percentile per-packet one-way delay: 58.693 ms
Loss rate: 0.00%
```

Run 10: Report of TCP BBR — Data Link

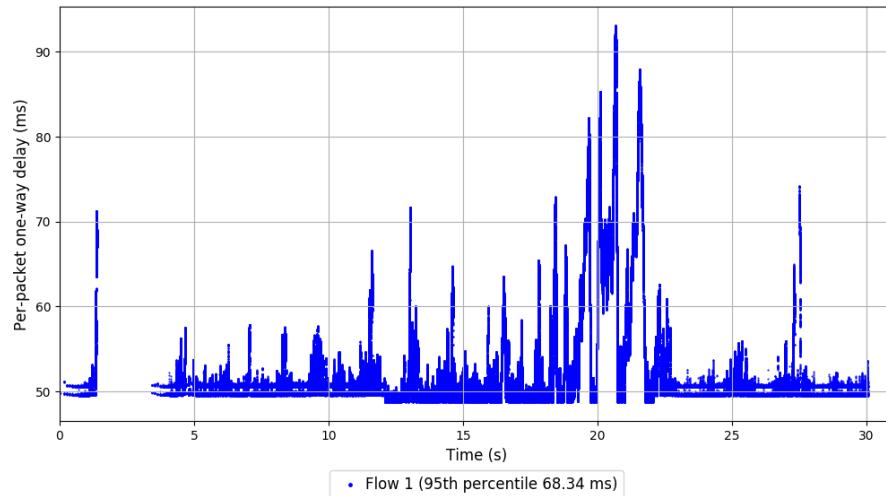
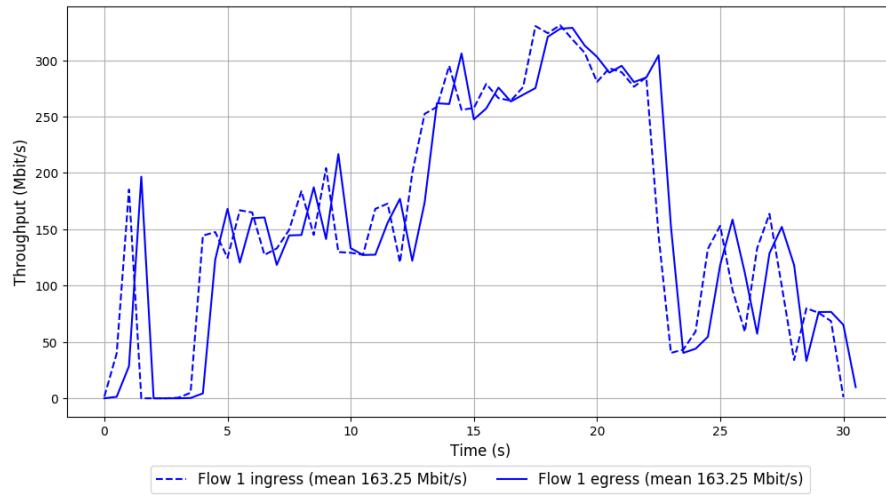


Run 1: Statistics of Copa

```
Start at: 2018-06-07 00:09:06
End at: 2018-06-07 00:09:36
Local clock offset: -0.015 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-06-07 03:42:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.25 Mbit/s
95th percentile per-packet one-way delay: 68.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 163.25 Mbit/s
95th percentile per-packet one-way delay: 68.336 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

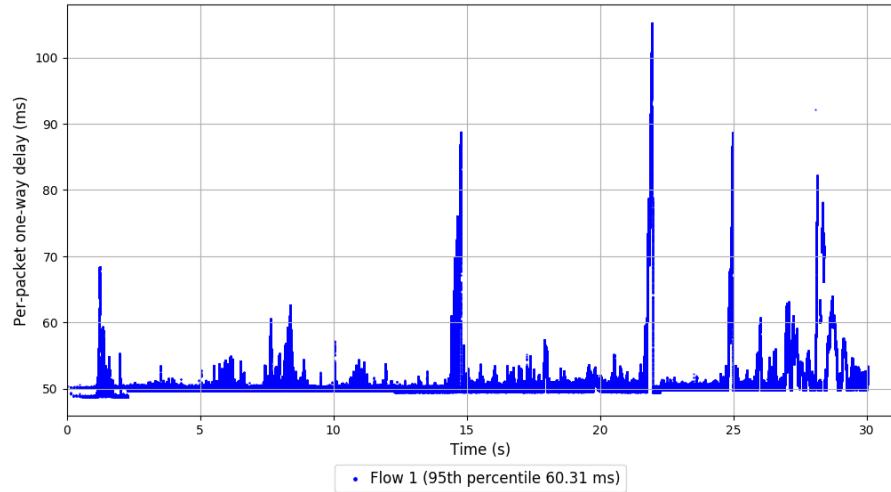
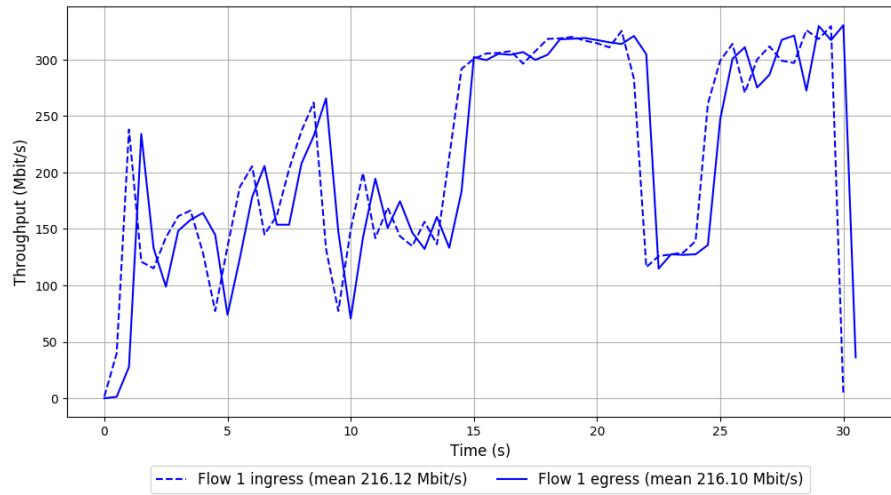


Run 2: Statistics of Copa

```
Start at: 2018-06-07 00:29:25
End at: 2018-06-07 00:29:55
Local clock offset: -0.004 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-06-07 03:43:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.10 Mbit/s
95th percentile per-packet one-way delay: 60.312 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 216.10 Mbit/s
95th percentile per-packet one-way delay: 60.312 ms
Loss rate: 0.01%
```

Run 2: Report of Copa — Data Link

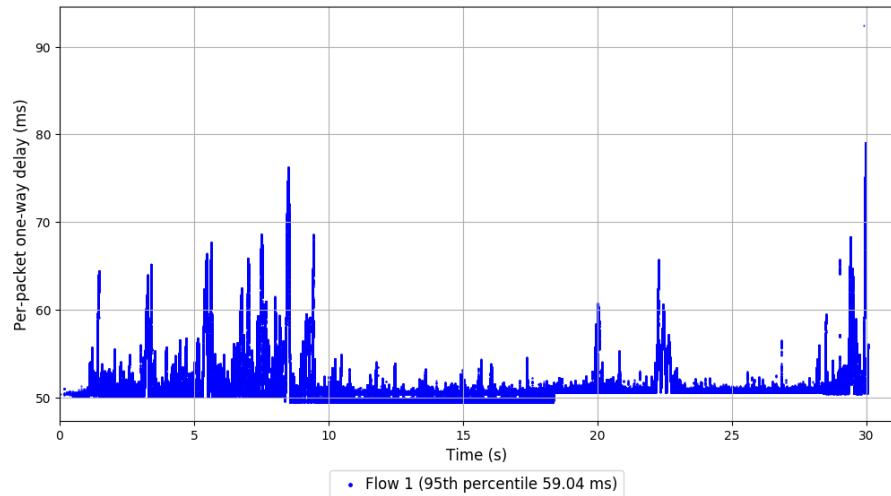
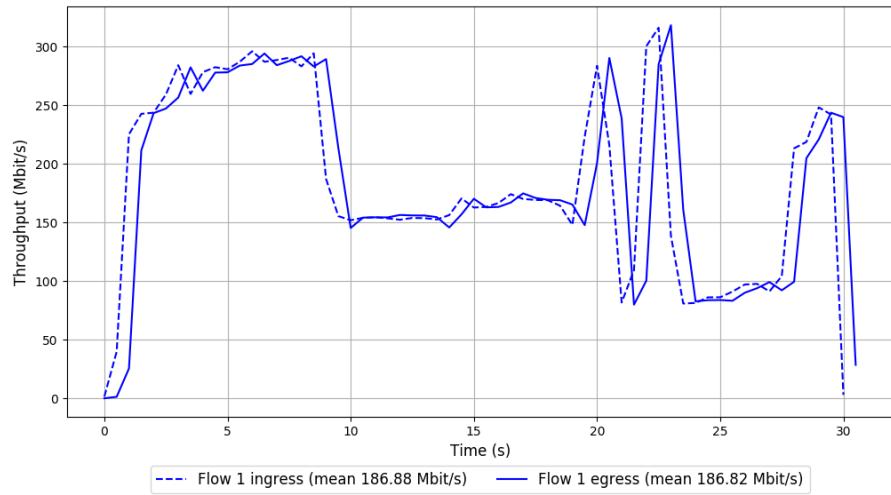


Run 3: Statistics of Copa

```
Start at: 2018-06-07 00:49:29
End at: 2018-06-07 00:49:59
Local clock offset: -0.044 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2018-06-07 03:43:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.82 Mbit/s
95th percentile per-packet one-way delay: 59.038 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 186.82 Mbit/s
95th percentile per-packet one-way delay: 59.038 ms
Loss rate: 0.04%
```

Run 3: Report of Copa — Data Link

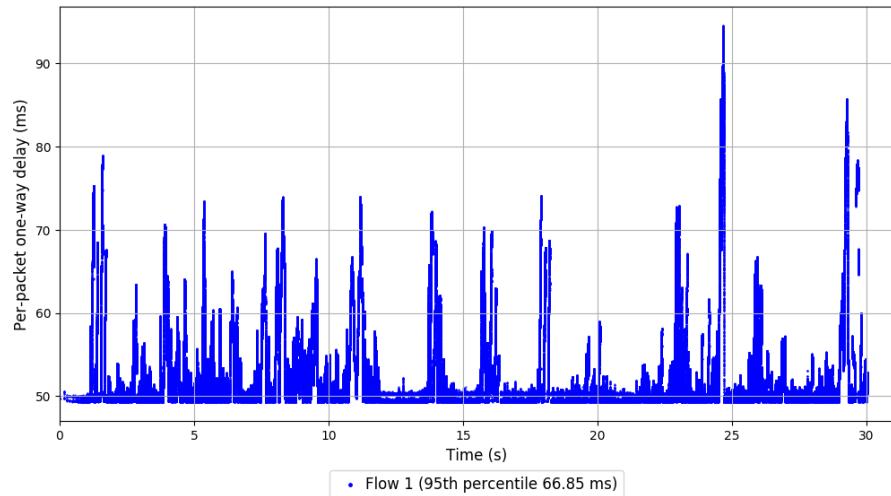
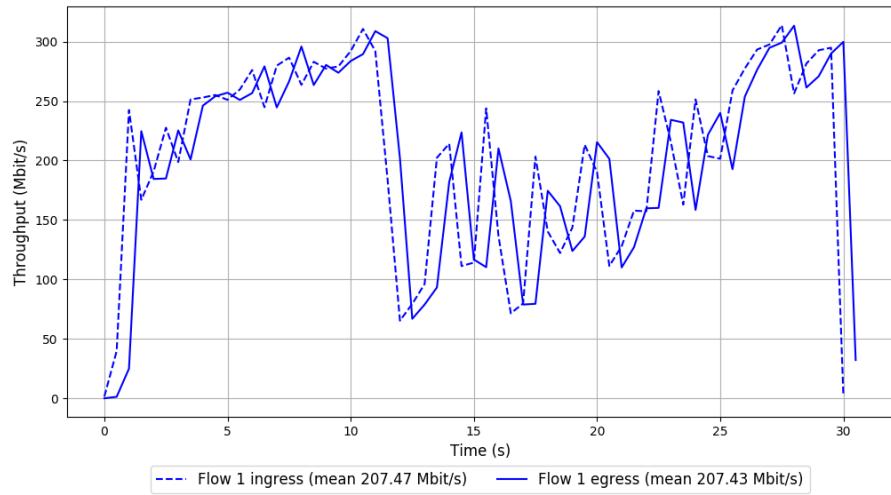


Run 4: Statistics of Copa

```
Start at: 2018-06-07 01:09:57
End at: 2018-06-07 01:10:27
Local clock offset: 0.391 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-07 03:43:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.43 Mbit/s
95th percentile per-packet one-way delay: 66.846 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 207.43 Mbit/s
95th percentile per-packet one-way delay: 66.846 ms
Loss rate: 0.01%
```

Run 4: Report of Copa — Data Link

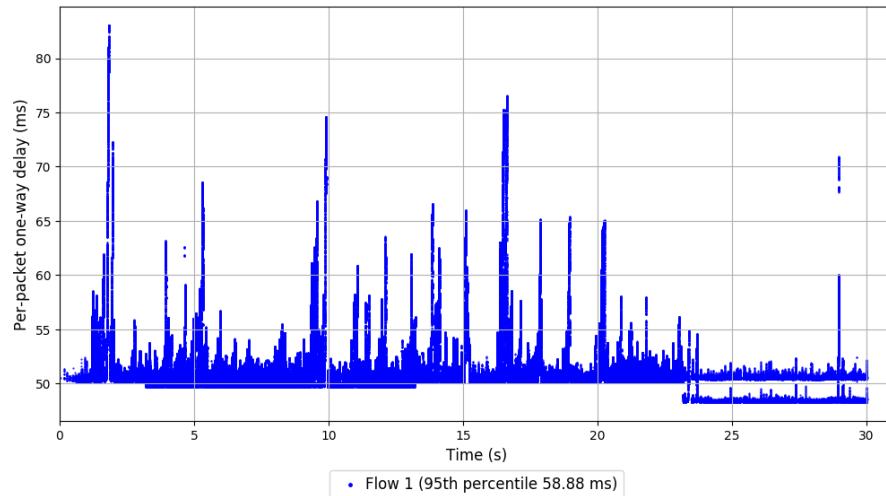
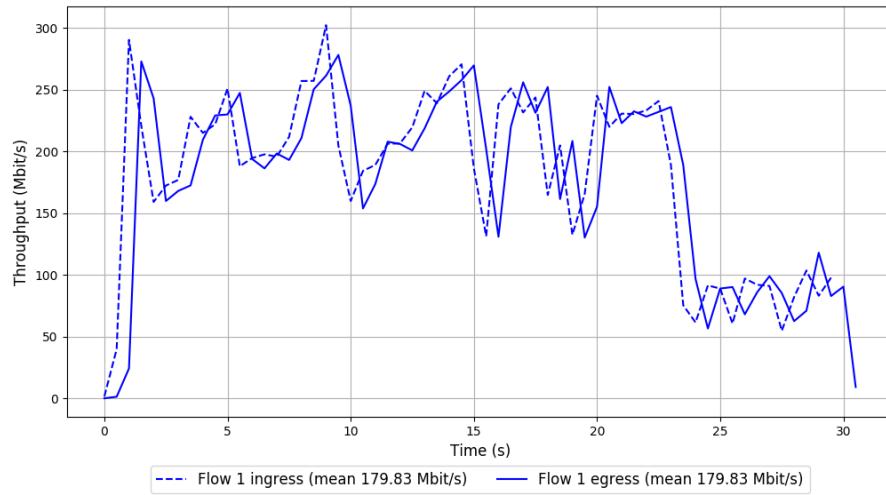


Run 5: Statistics of Copa

```
Start at: 2018-06-07 01:30:34
End at: 2018-06-07 01:31:04
Local clock offset: 0.364 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-06-07 03:43:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.83 Mbit/s
95th percentile per-packet one-way delay: 58.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.83 Mbit/s
95th percentile per-packet one-way delay: 58.875 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

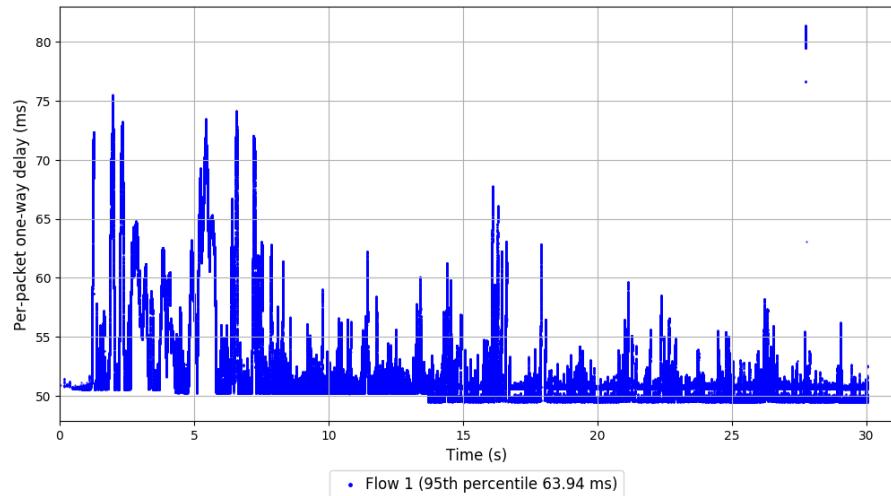
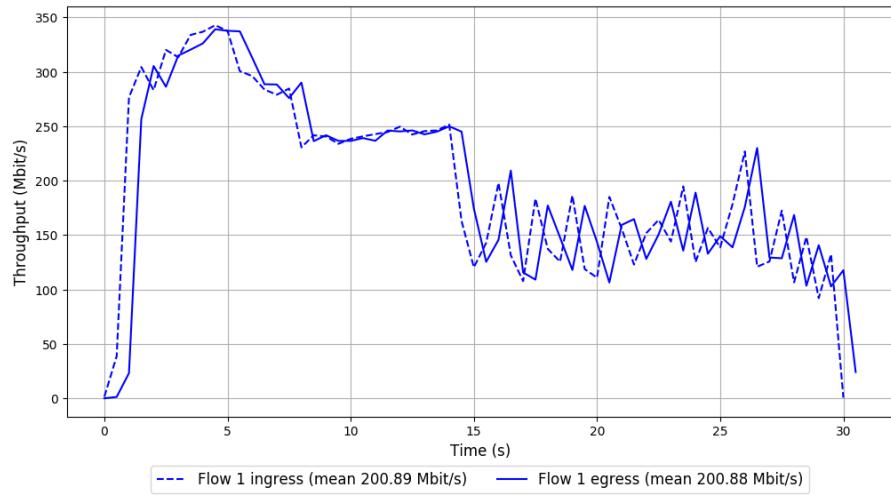


Run 6: Statistics of Copa

```
Start at: 2018-06-07 01:50:53
End at: 2018-06-07 01:51:23
Local clock offset: -0.107 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-06-07 03:43:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.88 Mbit/s
95th percentile per-packet one-way delay: 63.941 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 200.88 Mbit/s
95th percentile per-packet one-way delay: 63.941 ms
Loss rate: 0.01%
```

Run 6: Report of Copa — Data Link

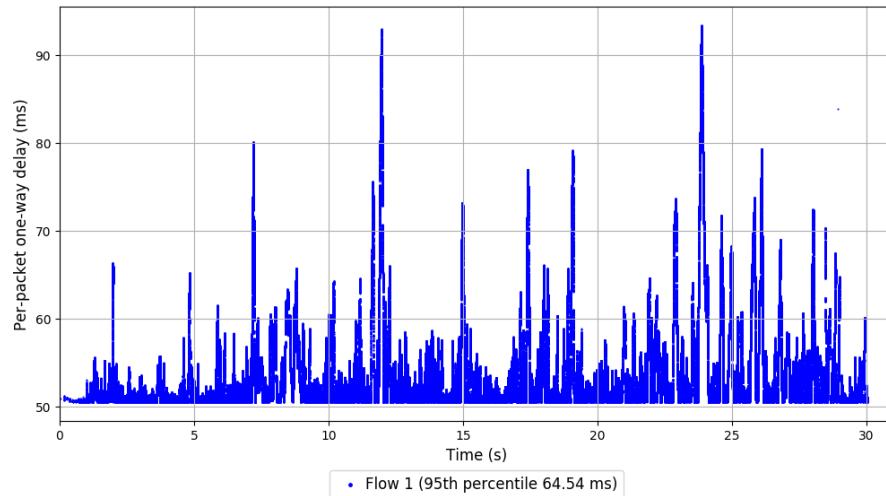
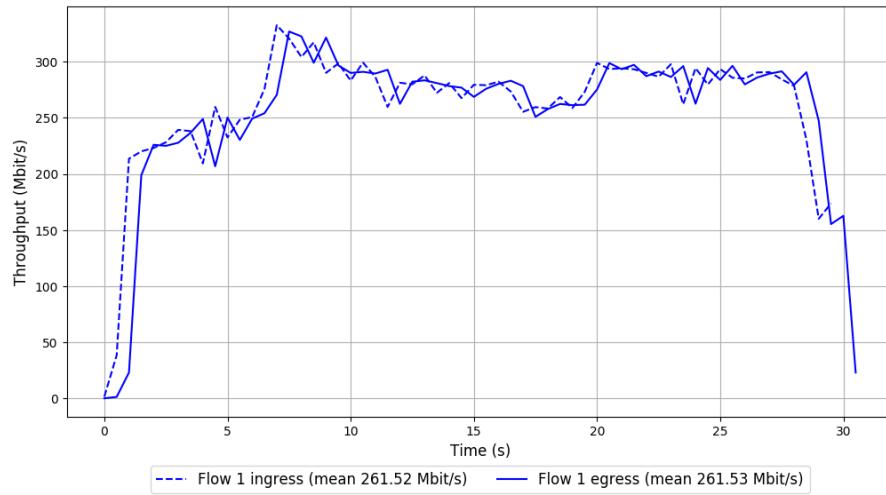


Run 7: Statistics of Copa

```
Start at: 2018-06-07 02:11:20
End at: 2018-06-07 02:11:50
Local clock offset: 0.028 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.53 Mbit/s
95th percentile per-packet one-way delay: 64.542 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 261.53 Mbit/s
95th percentile per-packet one-way delay: 64.542 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

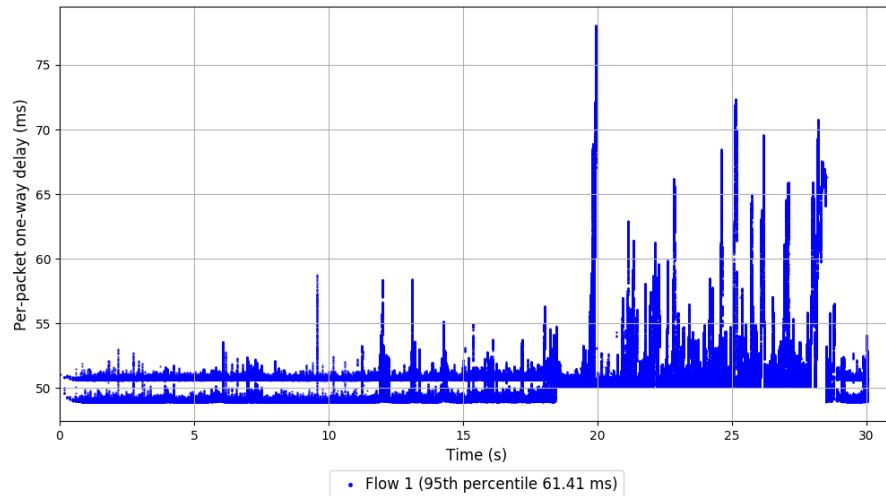
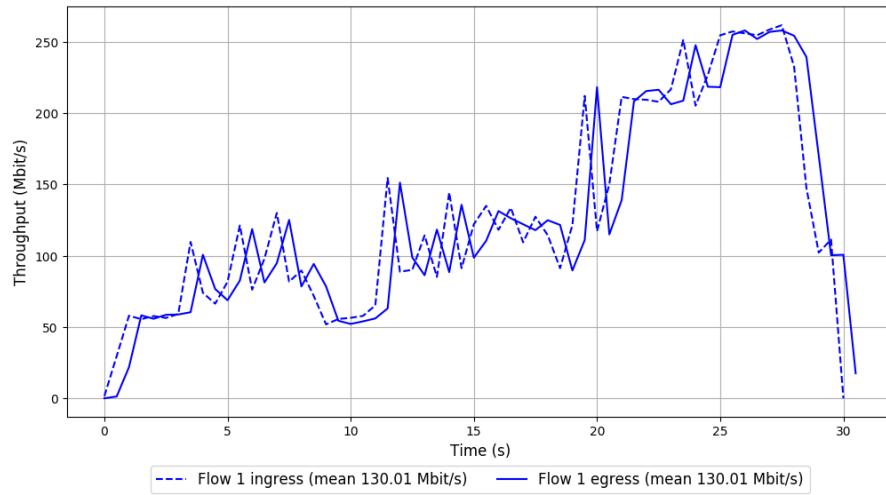


Run 8: Statistics of Copa

```
Start at: 2018-06-07 02:31:49
End at: 2018-06-07 02:32:19
Local clock offset: 0.036 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.01 Mbit/s
95th percentile per-packet one-way delay: 61.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 130.01 Mbit/s
95th percentile per-packet one-way delay: 61.406 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

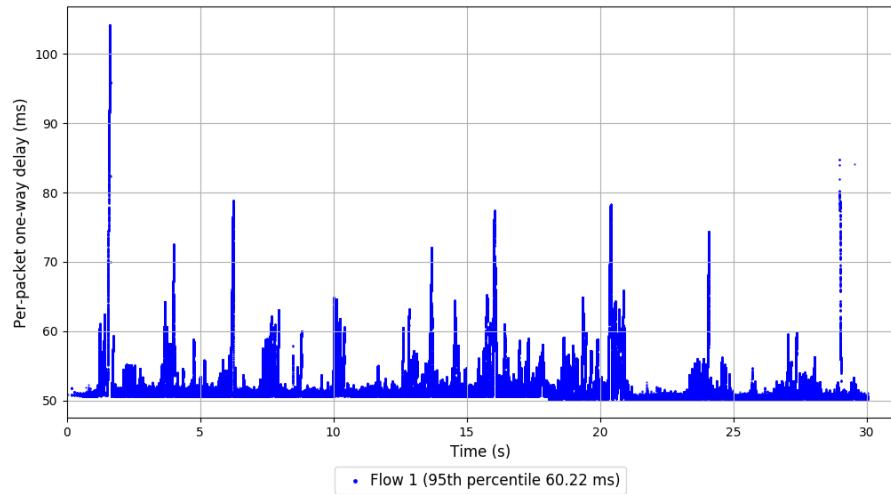
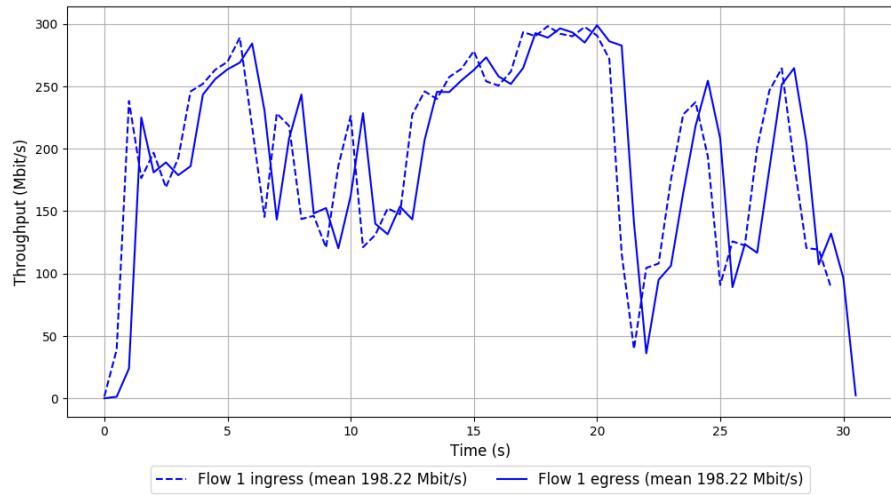


Run 9: Statistics of Copa

```
Start at: 2018-06-07 02:51:59
End at: 2018-06-07 02:52:29
Local clock offset: -0.035 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.22 Mbit/s
95th percentile per-packet one-way delay: 60.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.22 Mbit/s
95th percentile per-packet one-way delay: 60.216 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

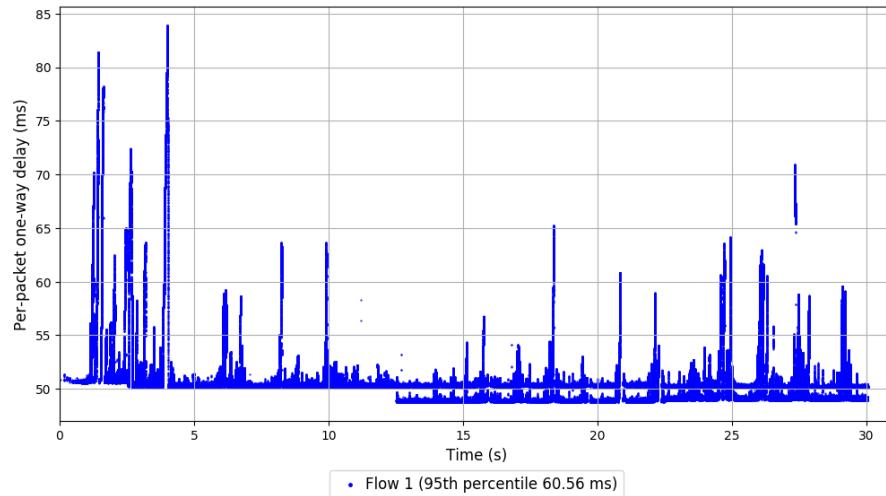
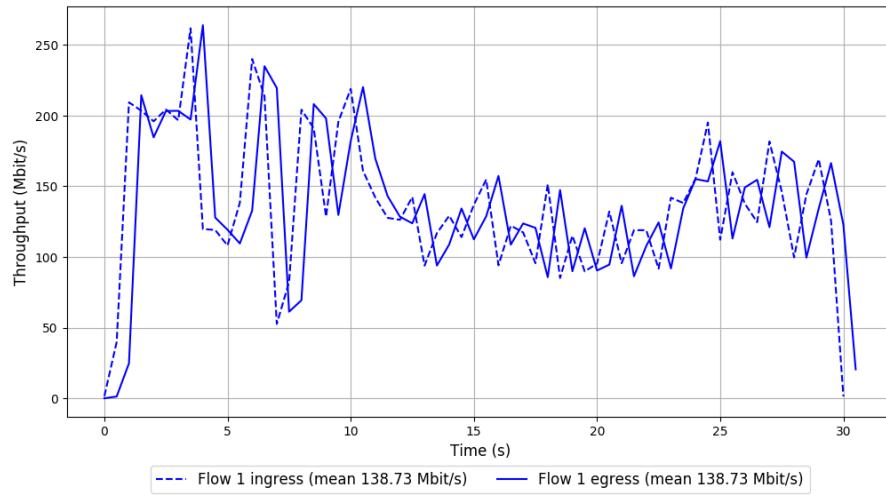


Run 10: Statistics of Copa

```
Start at: 2018-06-07 03:12:25
End at: 2018-06-07 03:12:55
Local clock offset: -0.014 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 138.73 Mbit/s
95th percentile per-packet one-way delay: 60.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.73 Mbit/s
95th percentile per-packet one-way delay: 60.564 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

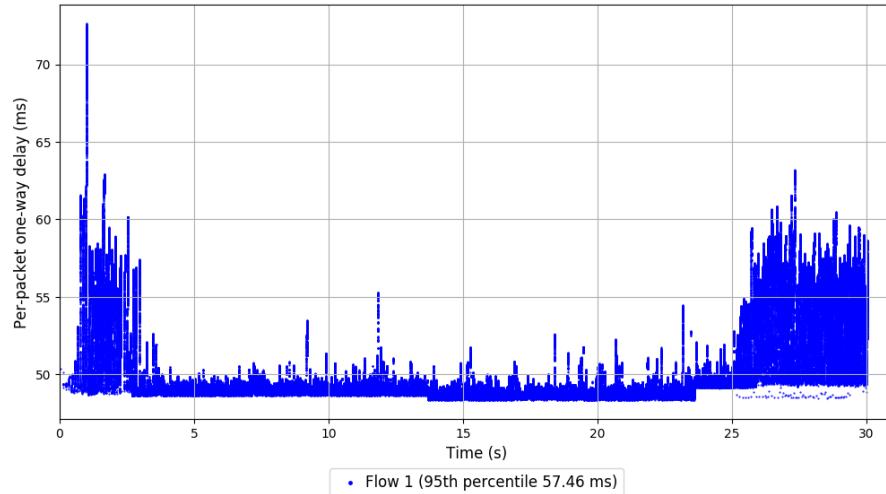
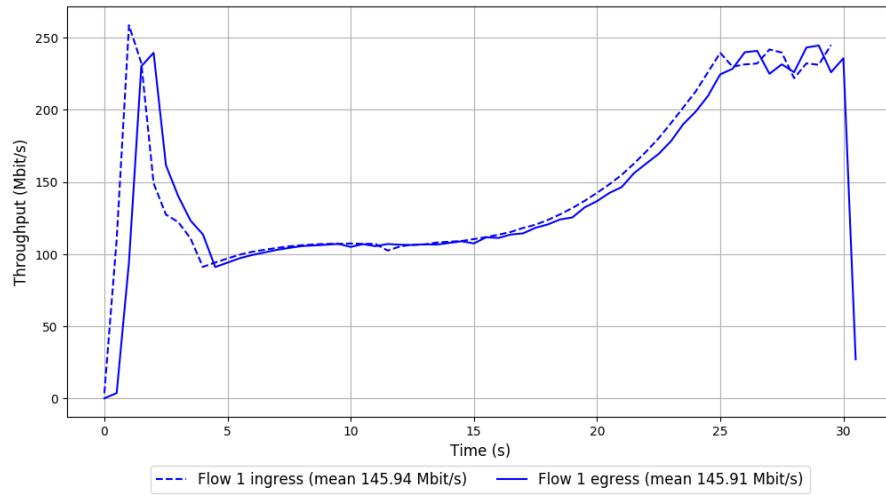


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-07 00:10:24
End at: 2018-06-07 00:10:54
Local clock offset: 0.34 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 145.91 Mbit/s
95th percentile per-packet one-way delay: 57.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.91 Mbit/s
95th percentile per-packet one-way delay: 57.459 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Cubic — Data Link

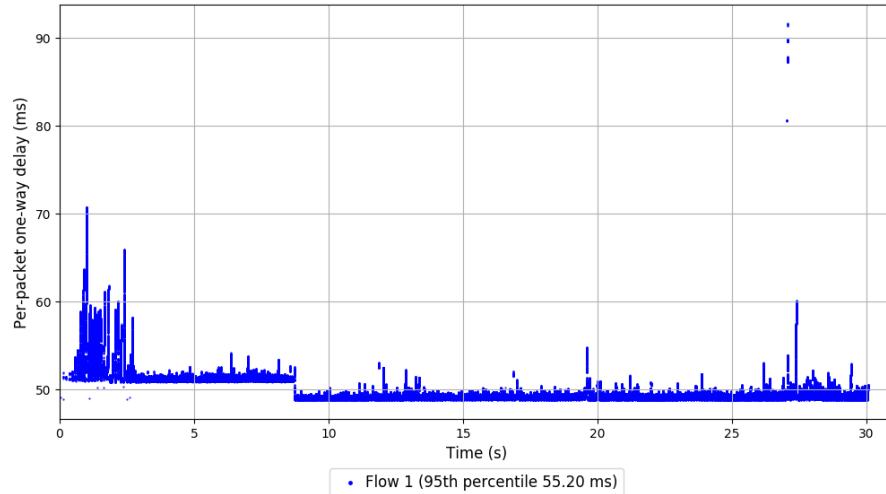
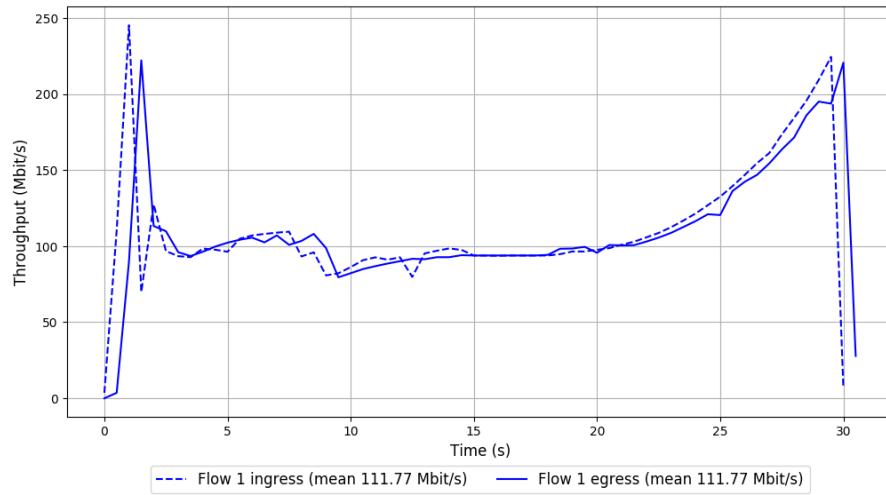


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-07 00:30:49
End at: 2018-06-07 00:31:19
Local clock offset: -0.042 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.77 Mbit/s
95th percentile per-packet one-way delay: 55.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.77 Mbit/s
95th percentile per-packet one-way delay: 55.203 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Cubic — Data Link

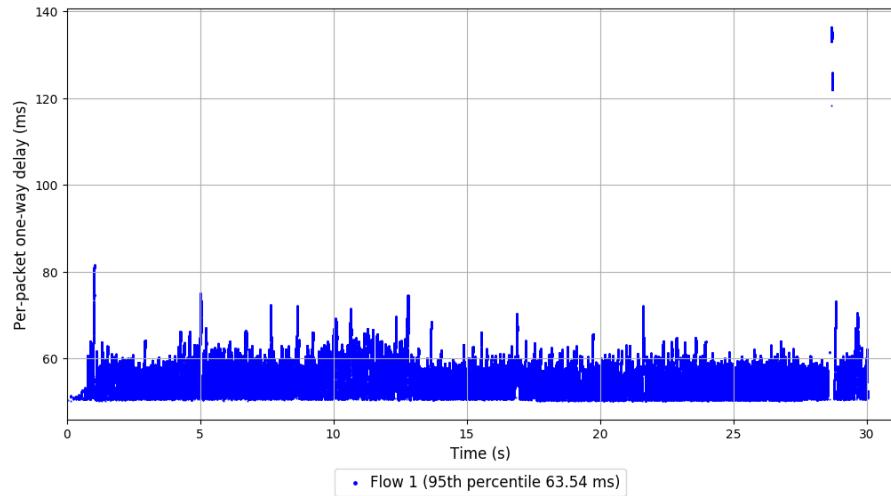
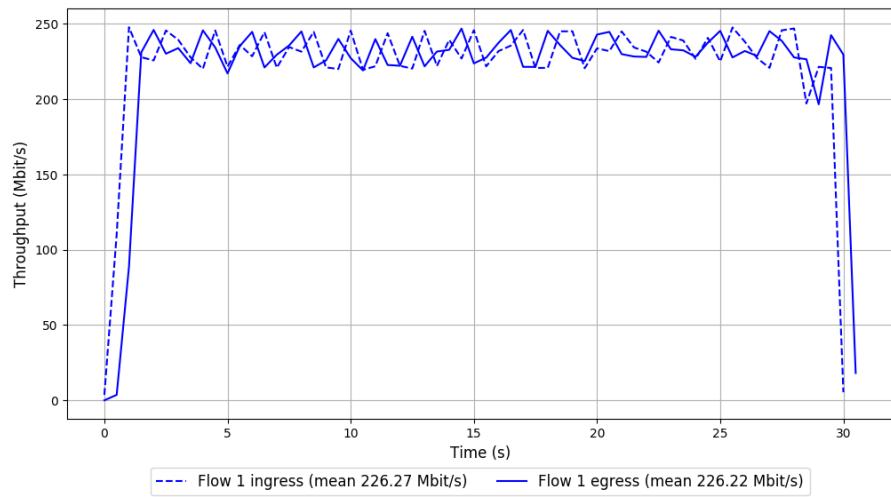


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-07 00:50:50
End at: 2018-06-07 00:51:20
Local clock offset: -0.037 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.22 Mbit/s
95th percentile per-packet one-way delay: 63.536 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 226.22 Mbit/s
95th percentile per-packet one-way delay: 63.536 ms
Loss rate: 0.02%
```

Run 3: Report of TCP Cubic — Data Link

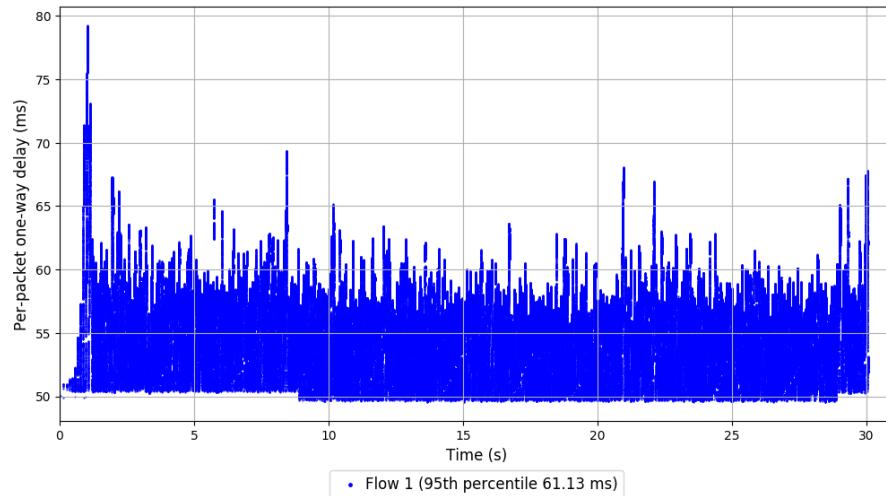
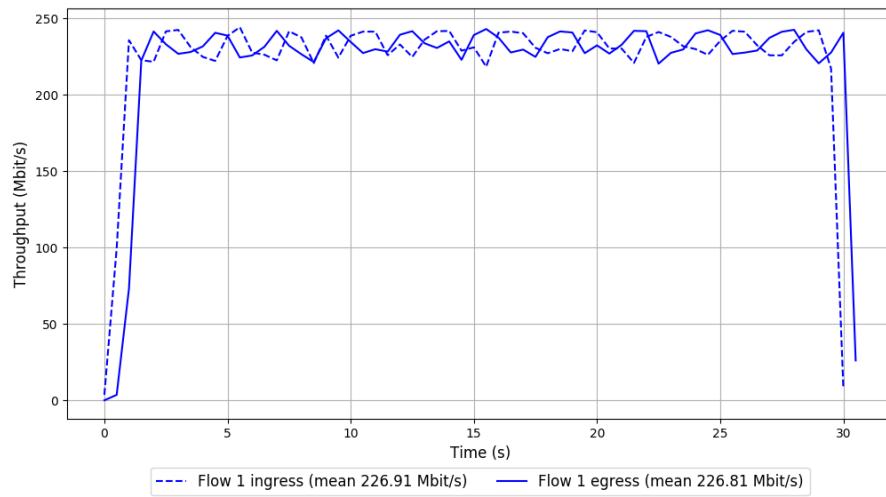


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-07 01:11:19
End at: 2018-06-07 01:11:49
Local clock offset: 0.045 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.81 Mbit/s
95th percentile per-packet one-way delay: 61.130 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 226.81 Mbit/s
95th percentile per-packet one-way delay: 61.130 ms
Loss rate: 0.04%
```

Run 4: Report of TCP Cubic — Data Link

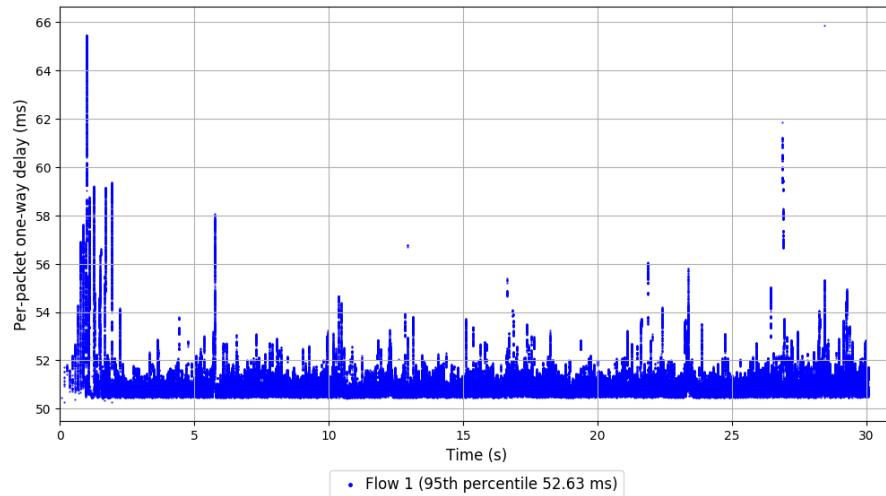
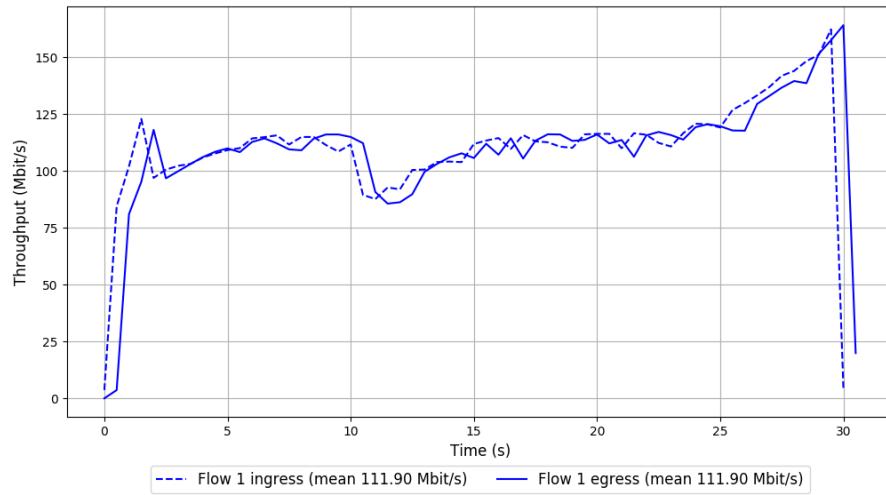


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-07 01:31:53
End at: 2018-06-07 01:32:24
Local clock offset: 0.331 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.90 Mbit/s
95th percentile per-packet one-way delay: 52.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.90 Mbit/s
95th percentile per-packet one-way delay: 52.626 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Cubic — Data Link

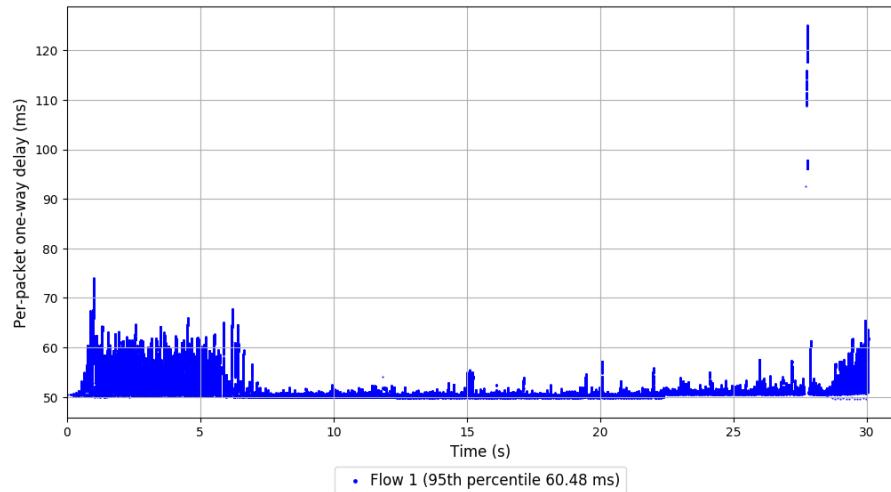
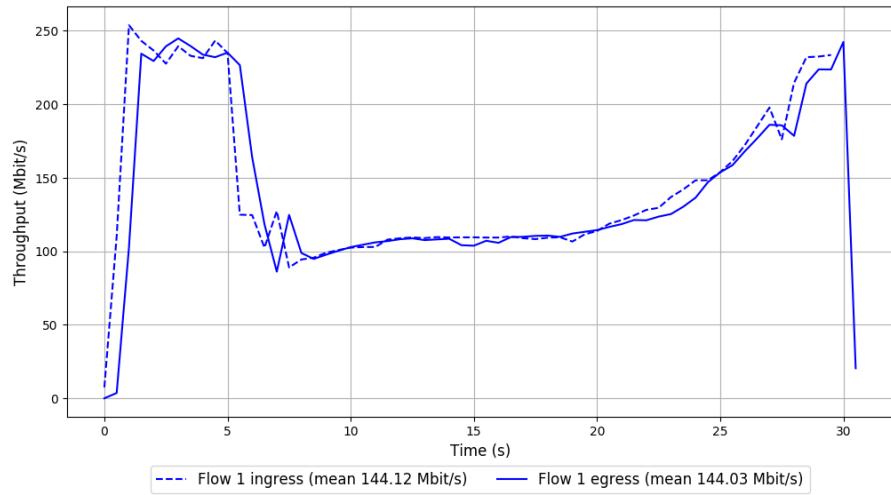


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-07 01:52:15
End at: 2018-06-07 01:52:45
Local clock offset: -0.113 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-06-07 03:48:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.03 Mbit/s
95th percentile per-packet one-way delay: 60.478 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 144.03 Mbit/s
95th percentile per-packet one-way delay: 60.478 ms
Loss rate: 0.04%
```

Run 6: Report of TCP Cubic — Data Link

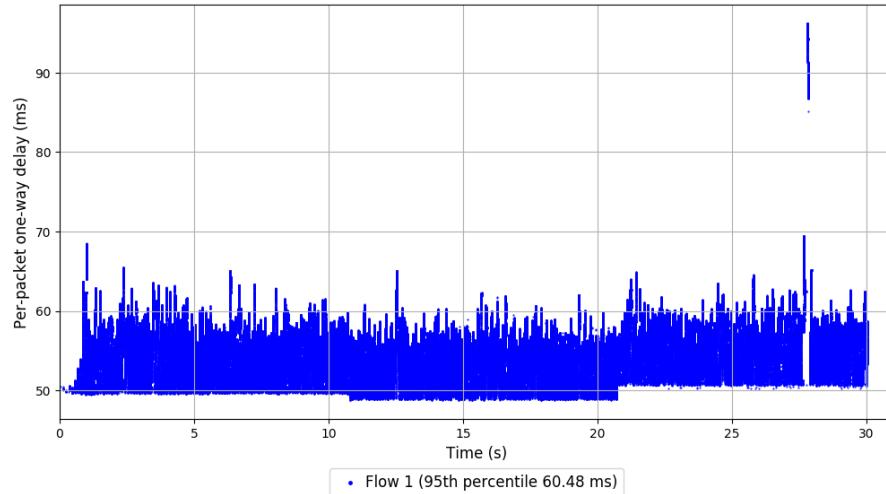
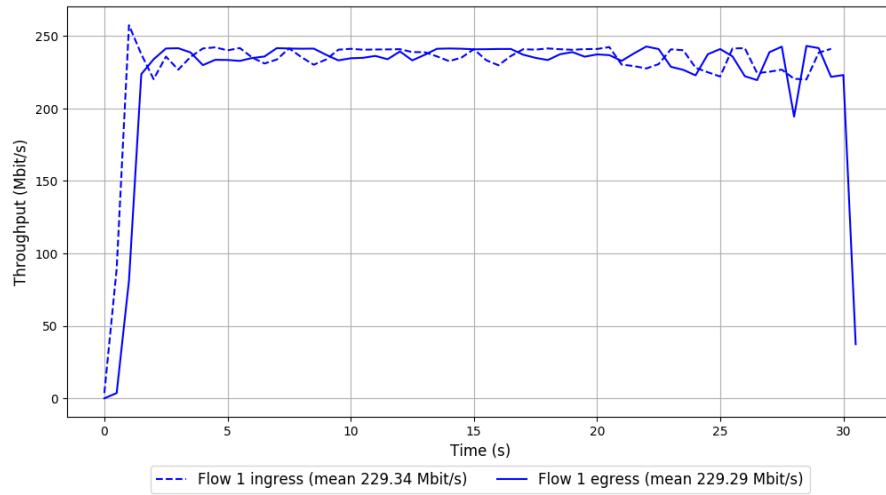


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-07 02:12:46
End at: 2018-06-07 02:13:16
Local clock offset: -0.012 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-07 03:49:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.29 Mbit/s
95th percentile per-packet one-way delay: 60.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.29 Mbit/s
95th percentile per-packet one-way delay: 60.479 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Cubic — Data Link

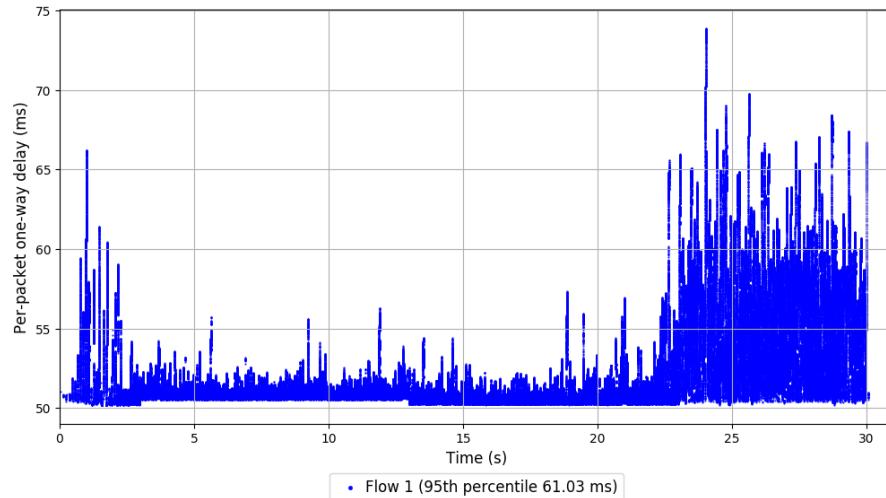
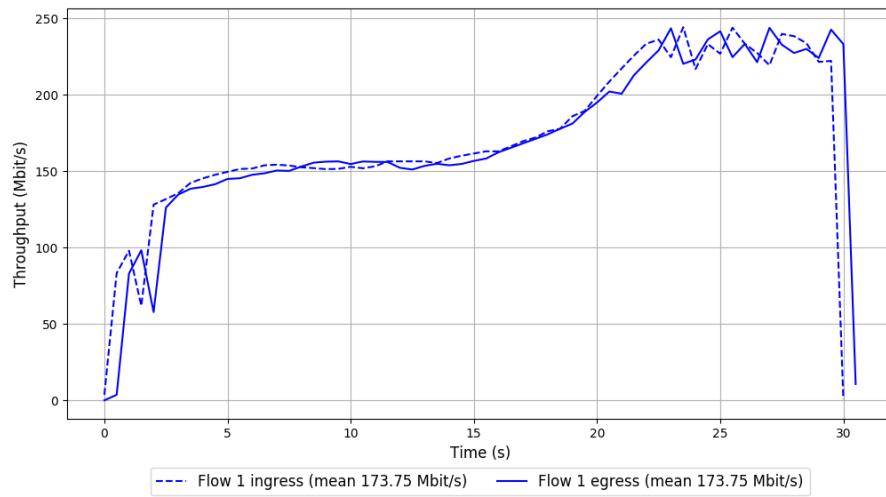


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-07 02:33:04
End at: 2018-06-07 02:33:34
Local clock offset: 0.071 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-06-07 03:49:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 173.75 Mbit/s
95th percentile per-packet one-way delay: 61.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.75 Mbit/s
95th percentile per-packet one-way delay: 61.028 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Cubic — Data Link

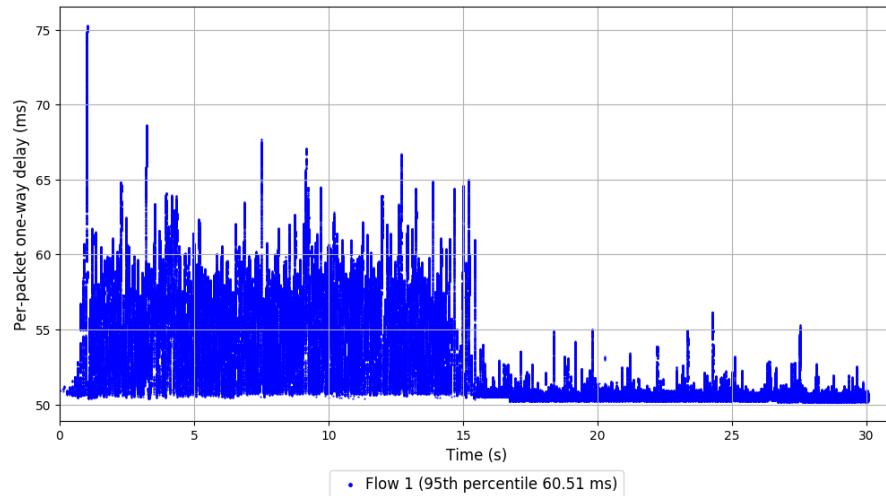
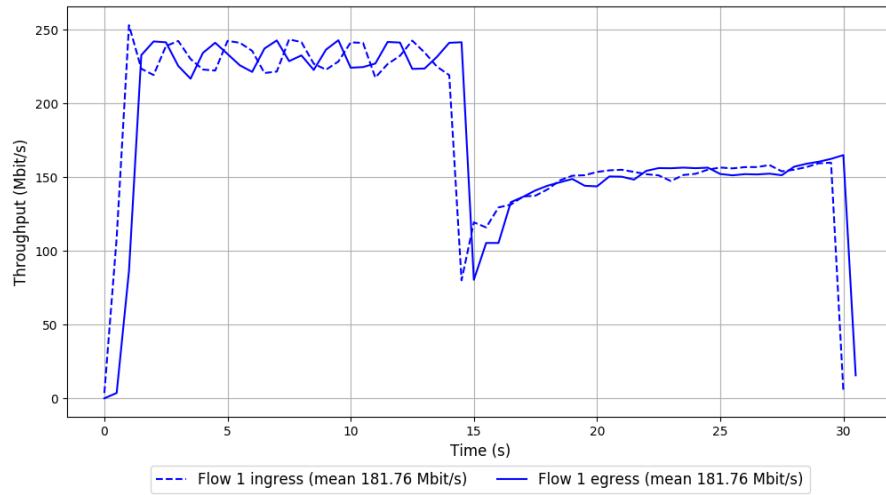


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-07 02:53:21
End at: 2018-06-07 02:53:51
Local clock offset: -0.013 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-06-07 03:49:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.76 Mbit/s
95th percentile per-packet one-way delay: 60.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.76 Mbit/s
95th percentile per-packet one-way delay: 60.506 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Cubic — Data Link

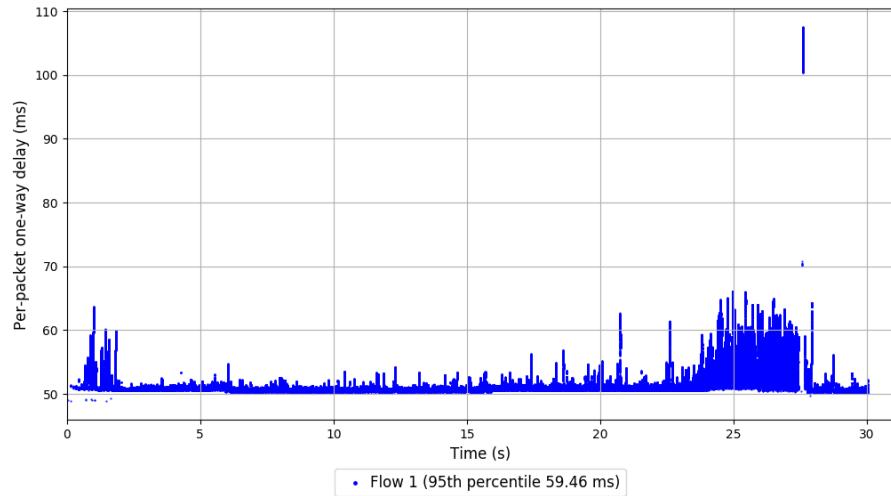
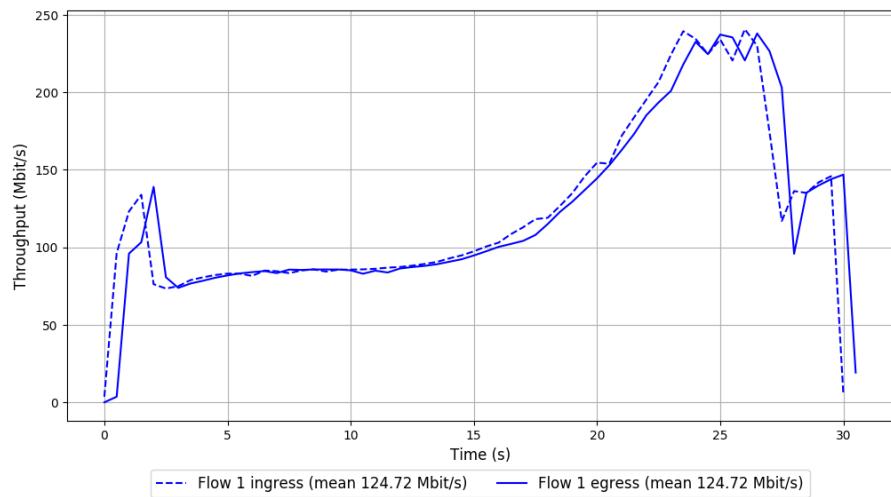


Run 10: Statistics of TCP Cubic

```
Start at: 2018-06-07 03:13:41
End at: 2018-06-07 03:14:11
Local clock offset: -0.022 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-06-07 03:49:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.72 Mbit/s
95th percentile per-packet one-way delay: 59.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.72 Mbit/s
95th percentile per-packet one-way delay: 59.459 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link

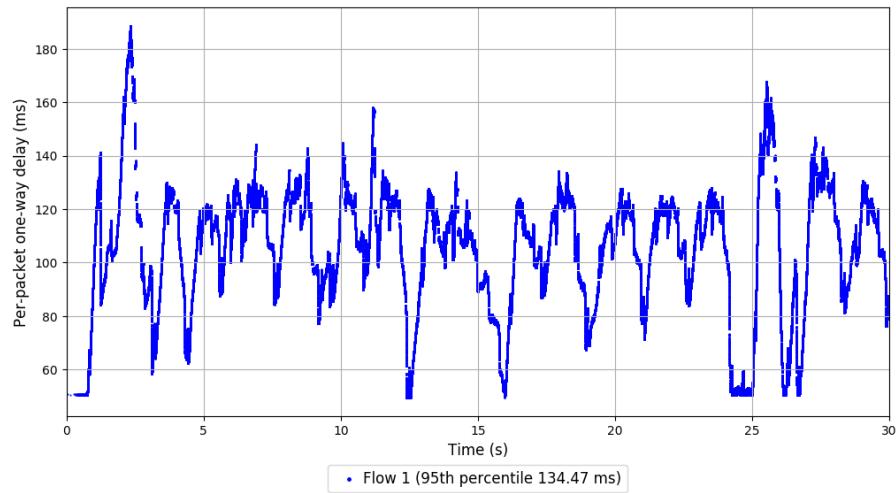
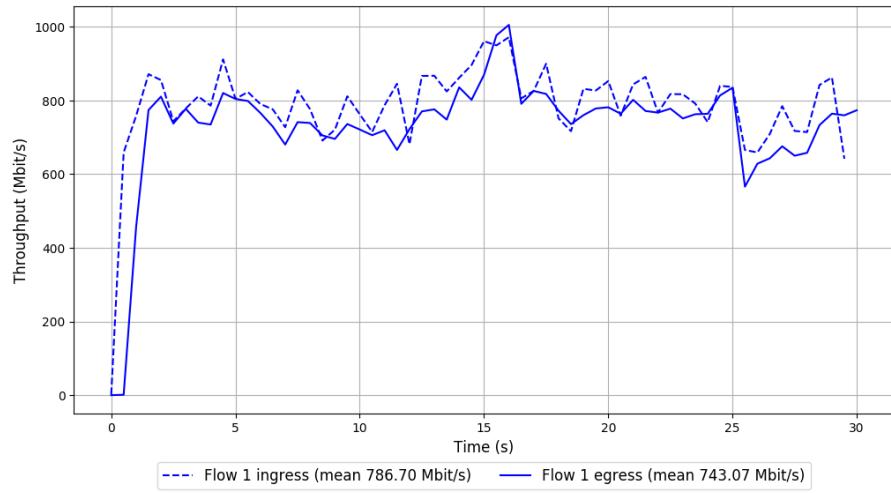


```
Run 1: Statistics of FillP

Start at: 2018-06-07 00:01:21
End at: 2018-06-07 00:01:51
Local clock offset: 0.015 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-06-07 04:02:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 743.07 Mbit/s
95th percentile per-packet one-way delay: 134.468 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 743.07 Mbit/s
95th percentile per-packet one-way delay: 134.468 ms
Loss rate: 5.55%
```

Run 1: Report of FillP — Data Link

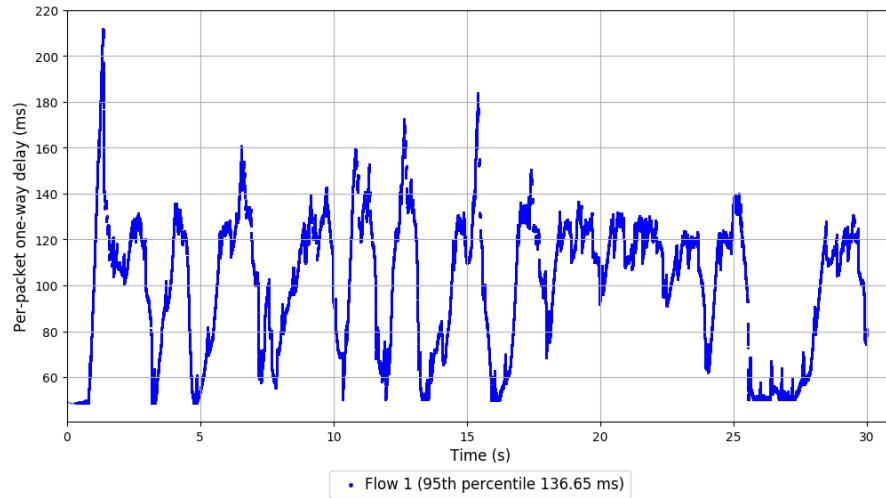
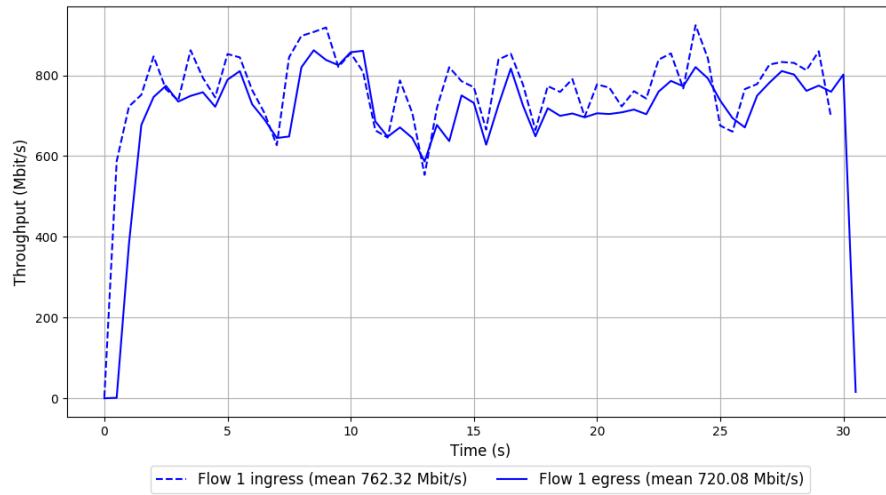


Run 2: Statistics of FillP

```
Start at: 2018-06-07 00:21:42
End at: 2018-06-07 00:22:12
Local clock offset: -0.042 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-06-07 04:02:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 720.08 Mbit/s
95th percentile per-packet one-way delay: 136.650 ms
Loss rate: 5.53%
-- Flow 1:
Average throughput: 720.08 Mbit/s
95th percentile per-packet one-way delay: 136.650 ms
Loss rate: 5.53%
```

Run 2: Report of FillP — Data Link

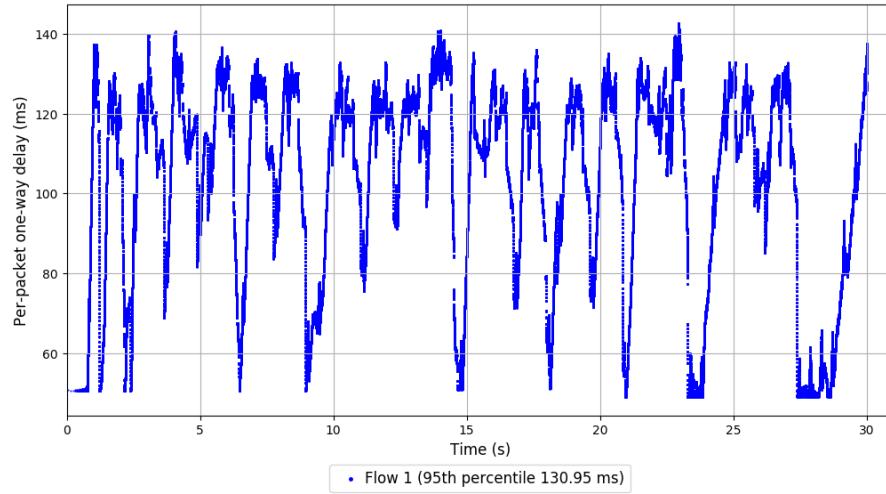
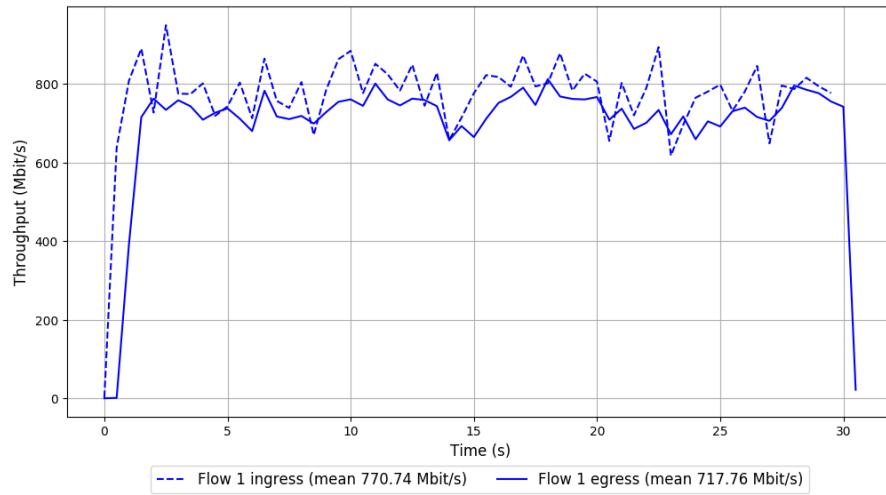


Run 3: Statistics of FillP

```
Start at: 2018-06-07 00:41:48
End at: 2018-06-07 00:42:18
Local clock offset: -0.413 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2018-06-07 04:02:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 717.76 Mbit/s
95th percentile per-packet one-way delay: 130.948 ms
Loss rate: 6.87%
-- Flow 1:
Average throughput: 717.76 Mbit/s
95th percentile per-packet one-way delay: 130.948 ms
Loss rate: 6.87%
```

Run 3: Report of FillP — Data Link

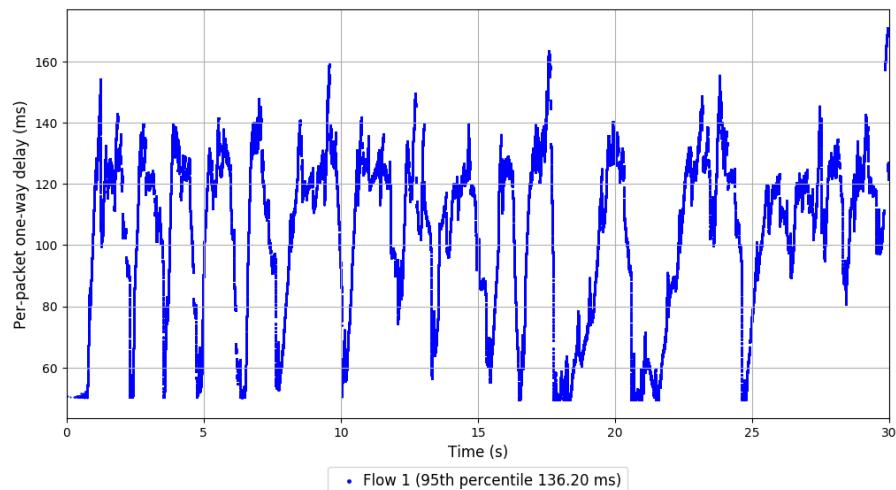
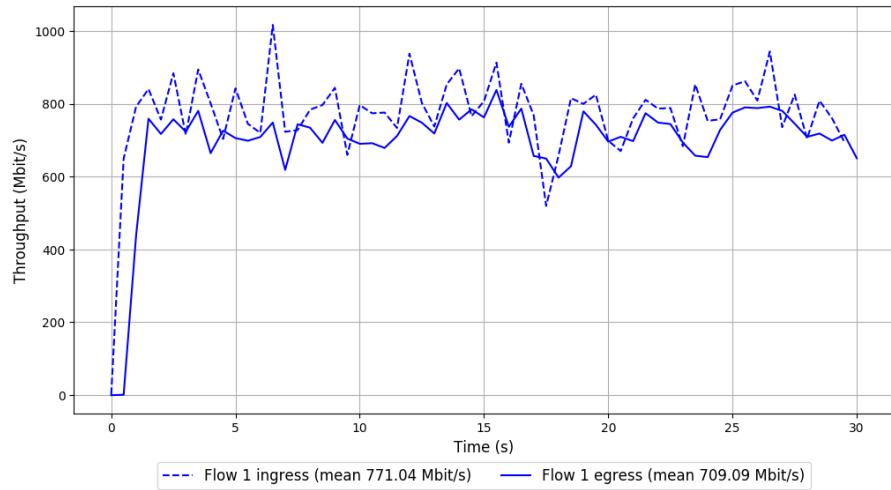


Run 4: Statistics of FillP

```
Start at: 2018-06-07 01:02:12
End at: 2018-06-07 01:02:42
Local clock offset: -0.002 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-06-07 04:02:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 709.09 Mbit/s
95th percentile per-packet one-way delay: 136.204 ms
Loss rate: 8.03%
-- Flow 1:
Average throughput: 709.09 Mbit/s
95th percentile per-packet one-way delay: 136.204 ms
Loss rate: 8.03%
```

Run 4: Report of FillP — Data Link

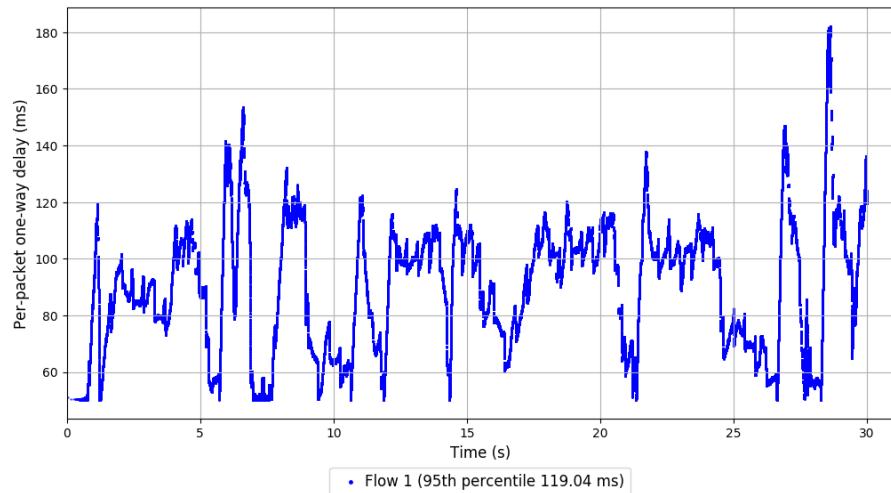
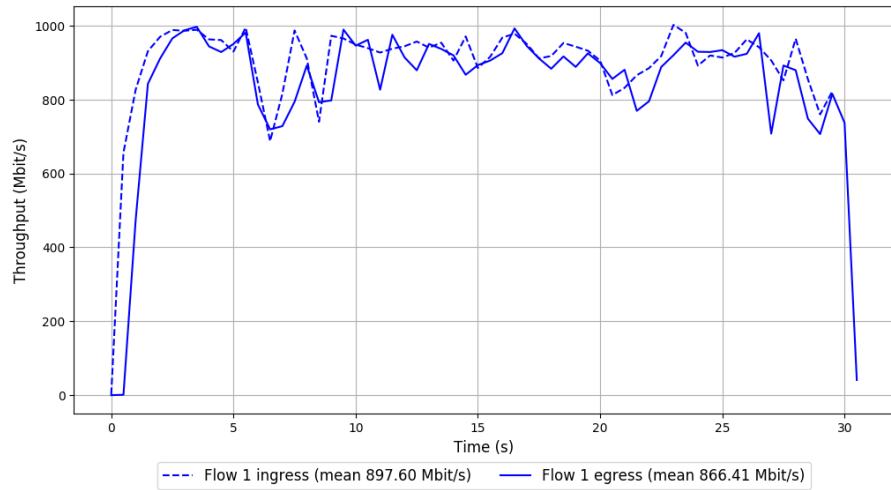


Run 5: Statistics of FillP

```
Start at: 2018-06-07 01:22:47
End at: 2018-06-07 01:23:17
Local clock offset: 0.399 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-06-07 04:05:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 866.41 Mbit/s
95th percentile per-packet one-way delay: 119.040 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 866.41 Mbit/s
95th percentile per-packet one-way delay: 119.040 ms
Loss rate: 3.48%
```

Run 5: Report of FillP — Data Link

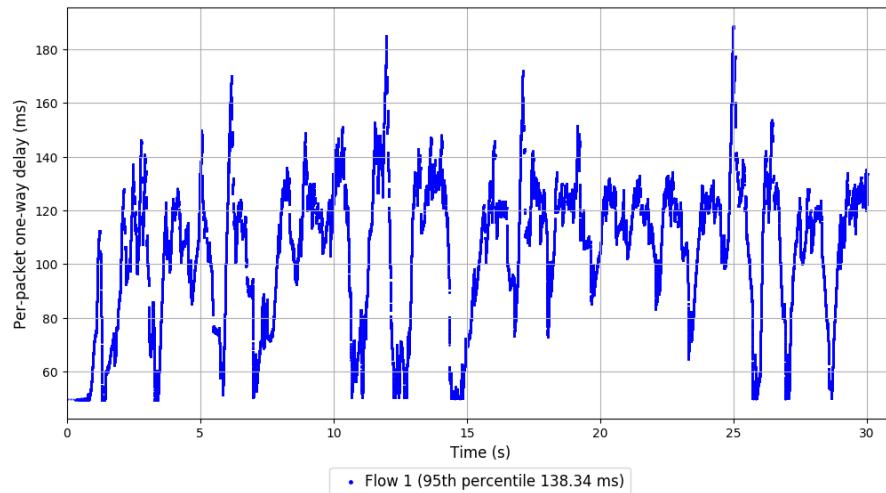
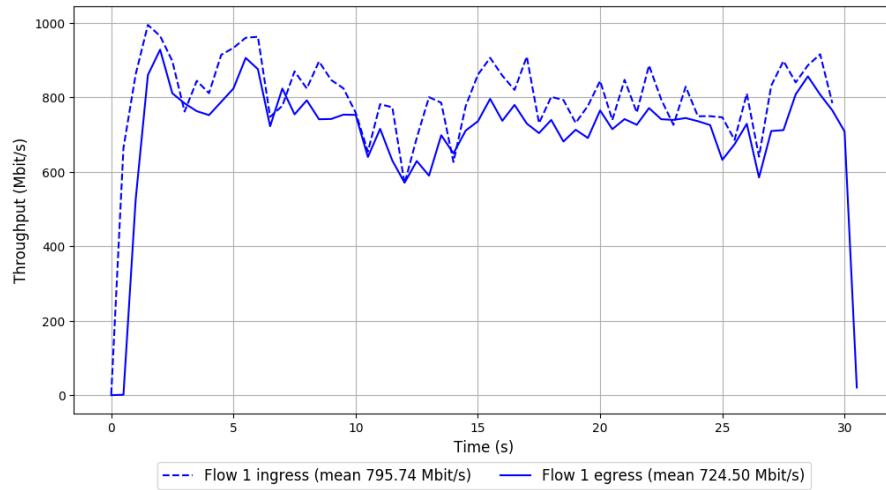


Run 6: Statistics of FillP

```
Start at: 2018-06-07 01:43:13
End at: 2018-06-07 01:43:43
Local clock offset: 0.283 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-06-07 04:05:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 724.50 Mbit/s
95th percentile per-packet one-way delay: 138.341 ms
Loss rate: 8.95%
-- Flow 1:
Average throughput: 724.50 Mbit/s
95th percentile per-packet one-way delay: 138.341 ms
Loss rate: 8.95%
```

Run 6: Report of FillP — Data Link

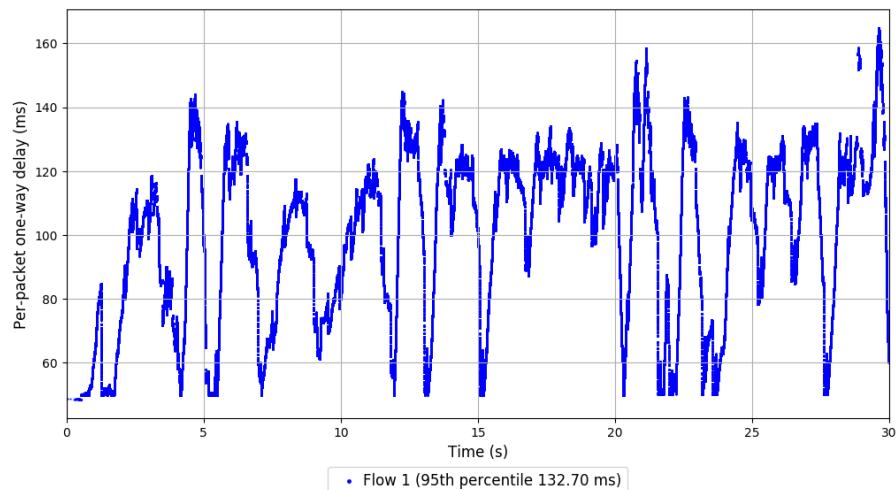
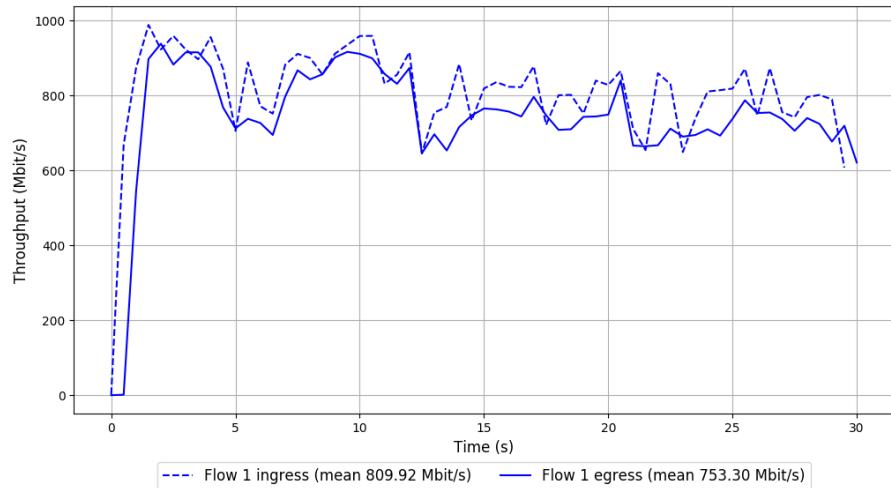


Run 7: Statistics of FillP

```
Start at: 2018-06-07 02:03:37
End at: 2018-06-07 02:04:07
Local clock offset: 0.379 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-06-07 04:05:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 753.30 Mbit/s
95th percentile per-packet one-way delay: 132.700 ms
Loss rate: 6.99%
-- Flow 1:
Average throughput: 753.30 Mbit/s
95th percentile per-packet one-way delay: 132.700 ms
Loss rate: 6.99%
```

Run 7: Report of FillP — Data Link

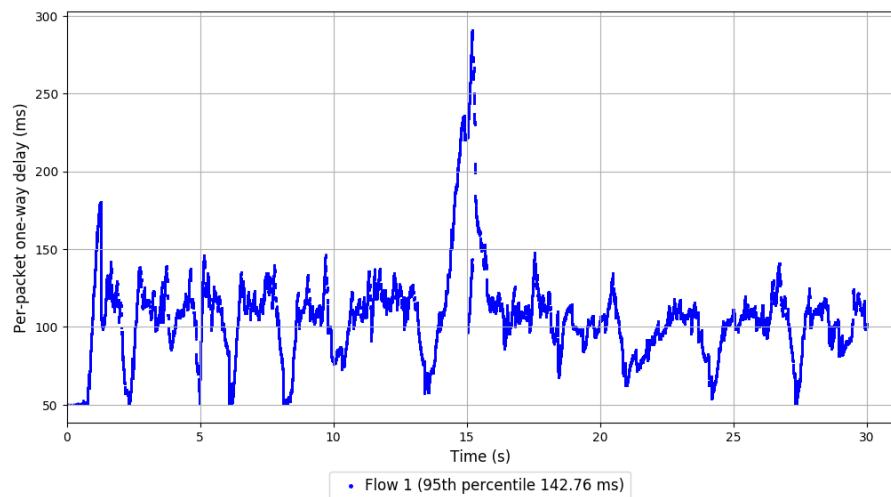
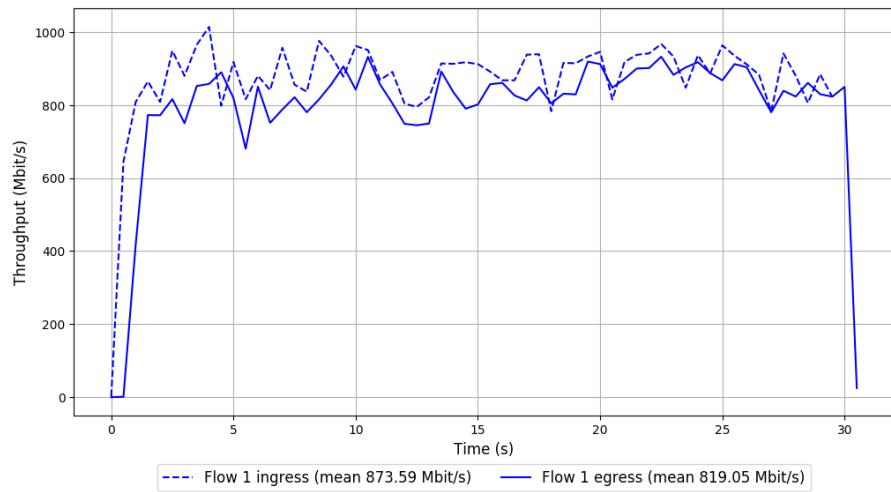


Run 8: Statistics of FillP

```
Start at: 2018-06-07 02:24:02
End at: 2018-06-07 02:24:32
Local clock offset: 0.031 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-06-07 04:05:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 819.05 Mbit/s
95th percentile per-packet one-way delay: 142.763 ms
Loss rate: 6.24%
-- Flow 1:
Average throughput: 819.05 Mbit/s
95th percentile per-packet one-way delay: 142.763 ms
Loss rate: 6.24%
```

Run 8: Report of FillP — Data Link

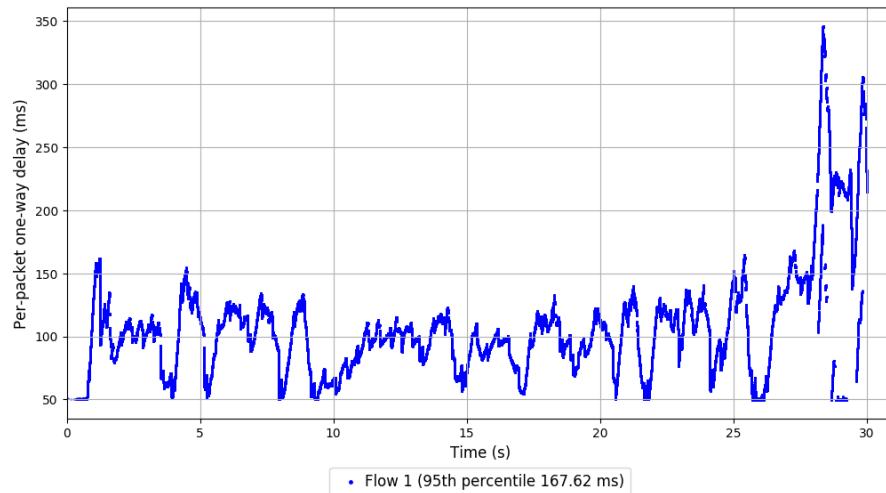
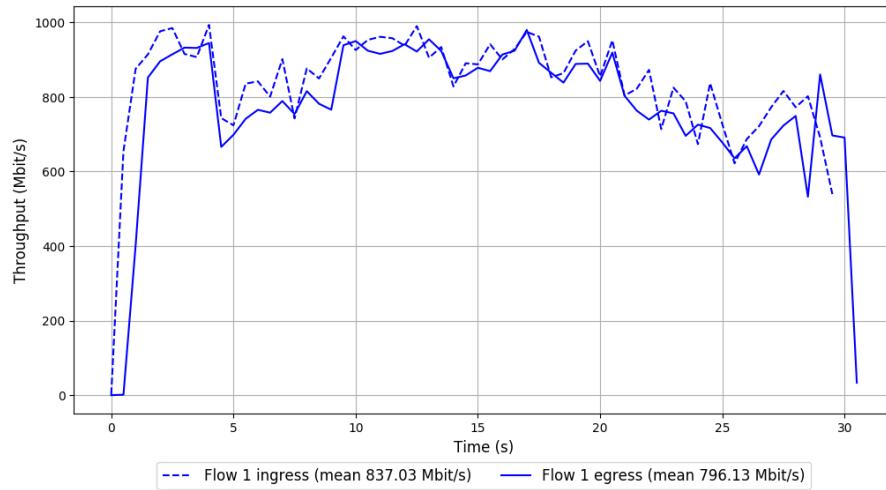


Run 9: Statistics of FillP

```
Start at: 2018-06-07 02:44:13
End at: 2018-06-07 02:44:43
Local clock offset: -0.005 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-07 04:17:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 796.13 Mbit/s
95th percentile per-packet one-way delay: 167.619 ms
Loss rate: 4.89%
-- Flow 1:
Average throughput: 796.13 Mbit/s
95th percentile per-packet one-way delay: 167.619 ms
Loss rate: 4.89%
```

Run 9: Report of FillP — Data Link

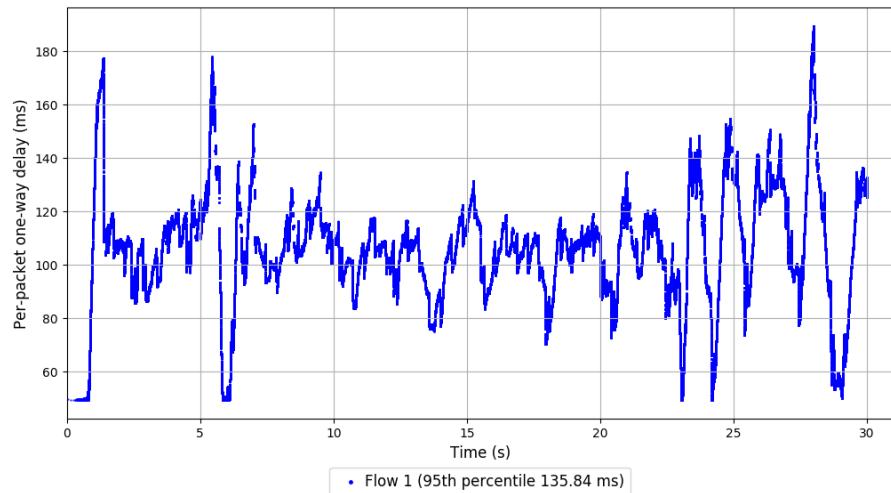
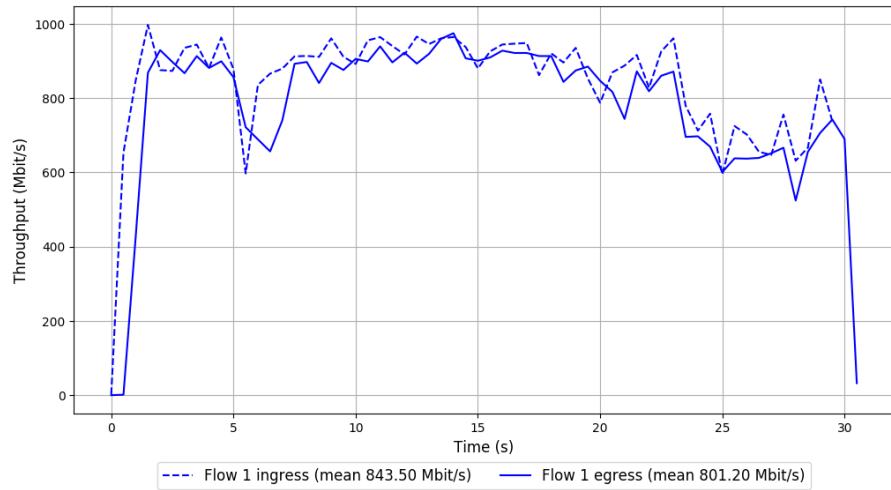


```
Run 10: Statistics of FillP
```

```
Start at: 2018-06-07 03:04:39
End at: 2018-06-07 03:05:09
Local clock offset: -0.007 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-06-07 04:18:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 801.20 Mbit/s
95th percentile per-packet one-way delay: 135.842 ms
Loss rate: 5.01%
-- Flow 1:
Average throughput: 801.20 Mbit/s
95th percentile per-packet one-way delay: 135.842 ms
Loss rate: 5.01%
```

Run 10: Report of FillP — Data Link

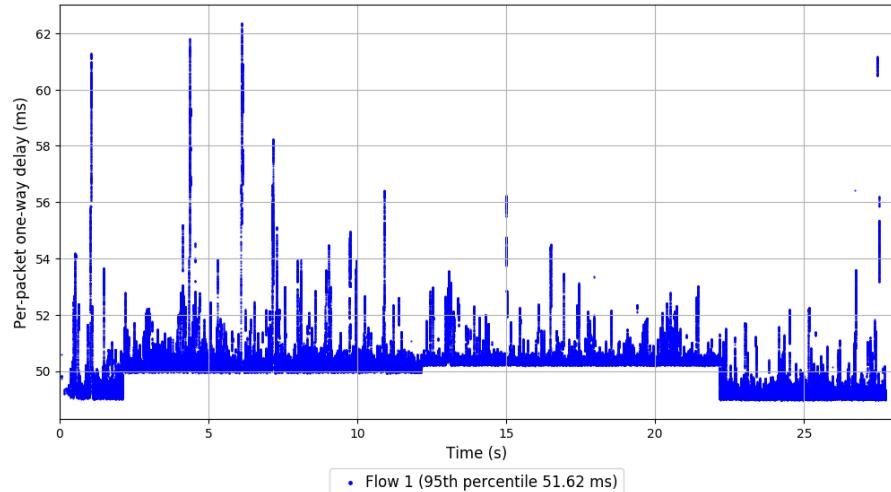
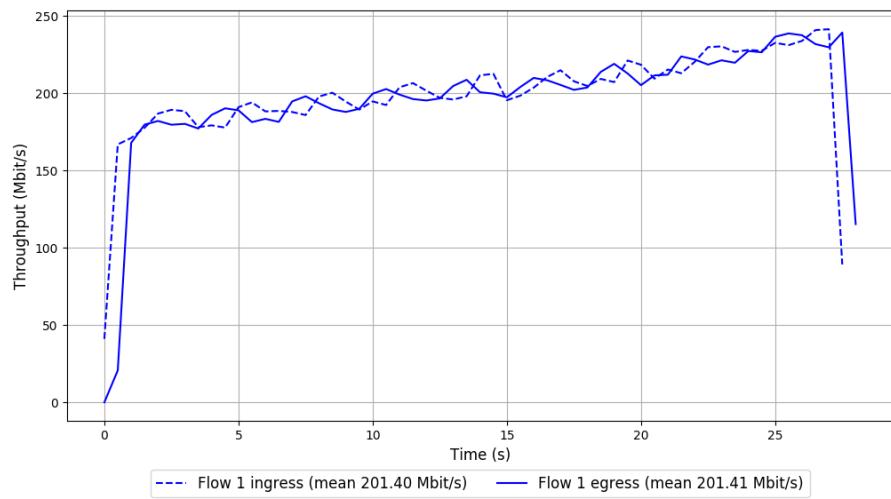


Run 1: Statistics of Indigo

```
Start at: 2018-06-07 00:04:03
End at: 2018-06-07 00:04:33
Local clock offset: -0.046 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-06-07 04:18:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.41 Mbit/s
95th percentile per-packet one-way delay: 51.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.41 Mbit/s
95th percentile per-packet one-way delay: 51.623 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

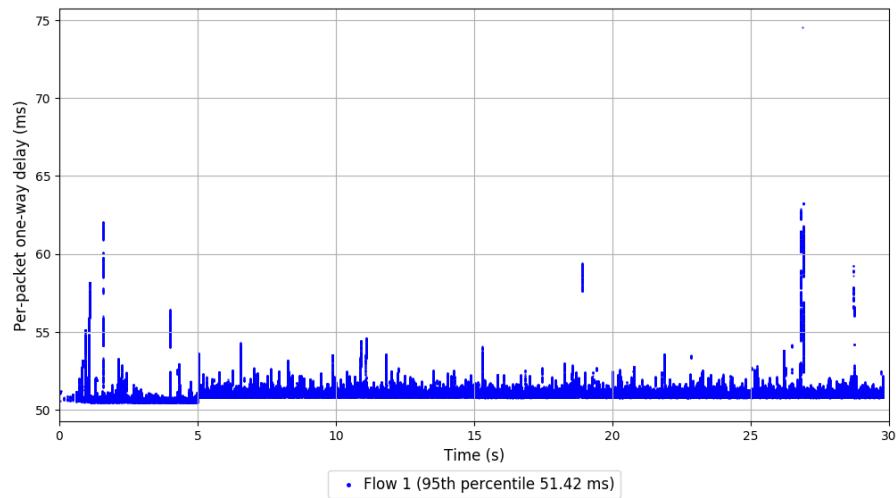
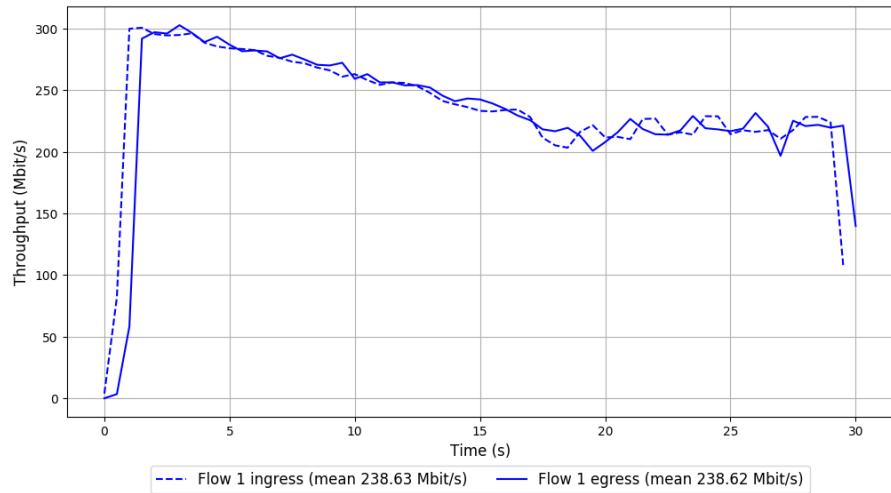


Run 2: Statistics of Indigo

```
Start at: 2018-06-07 00:24:22
End at: 2018-06-07 00:24:52
Local clock offset: -0.044 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-06-07 04:18:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 238.62 Mbit/s
95th percentile per-packet one-way delay: 51.425 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 238.62 Mbit/s
95th percentile per-packet one-way delay: 51.425 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo — Data Link

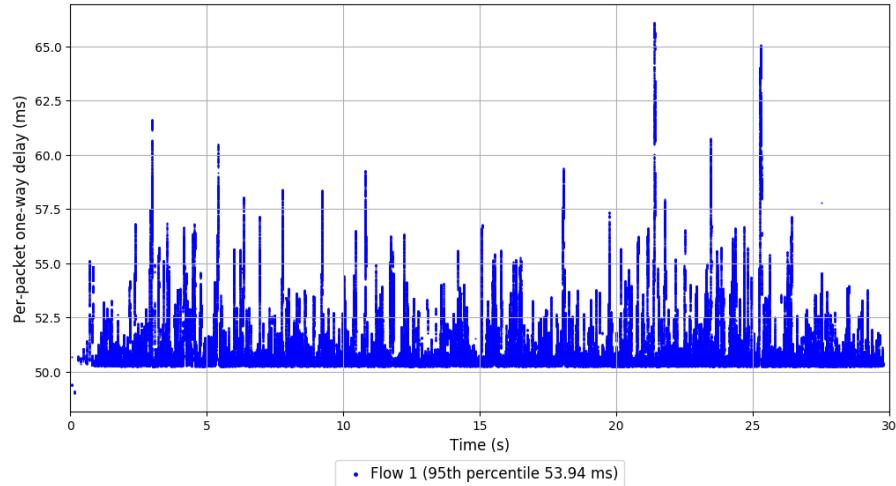
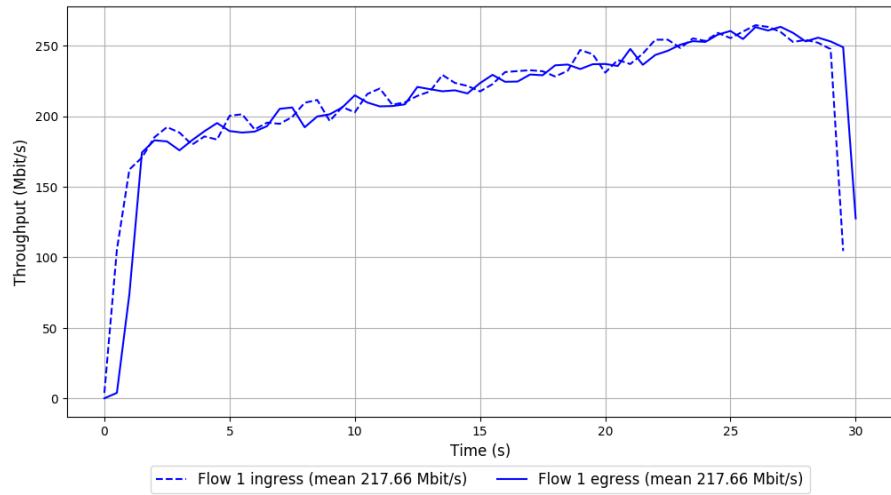


Run 3: Statistics of Indigo

```
Start at: 2018-06-07 00:44:27
End at: 2018-06-07 00:44:57
Local clock offset: -0.072 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-06-07 04:18:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.66 Mbit/s
95th percentile per-packet one-way delay: 53.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.66 Mbit/s
95th percentile per-packet one-way delay: 53.944 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

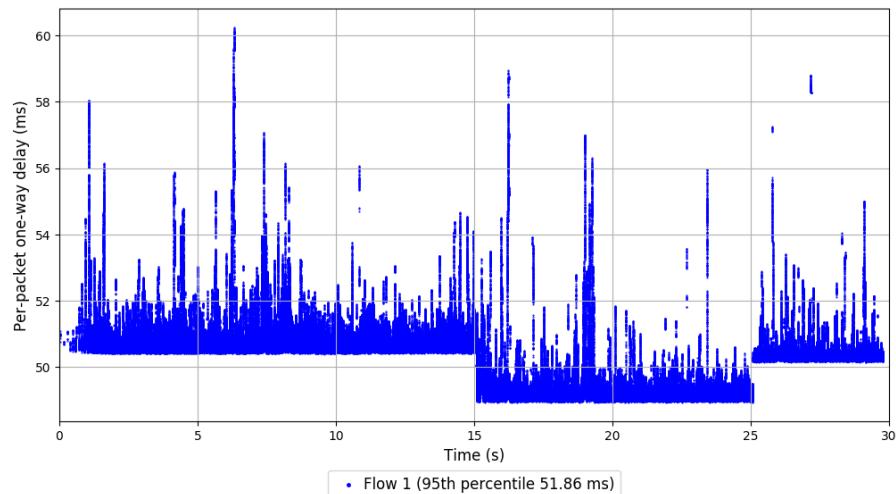
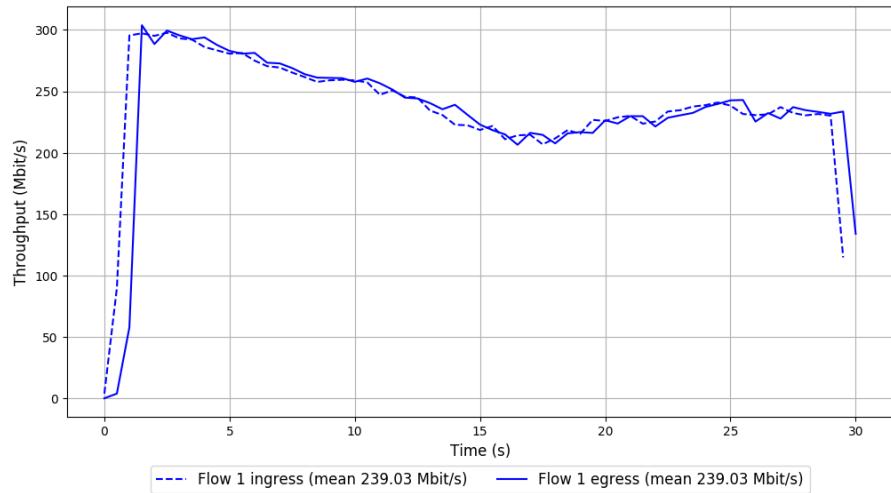


Run 4: Statistics of Indigo

```
Start at: 2018-06-07 01:04:52
End at: 2018-06-07 01:05:22
Local clock offset: 0.003 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-07 04:18:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.03 Mbit/s
95th percentile per-packet one-way delay: 51.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.03 Mbit/s
95th percentile per-packet one-way delay: 51.858 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

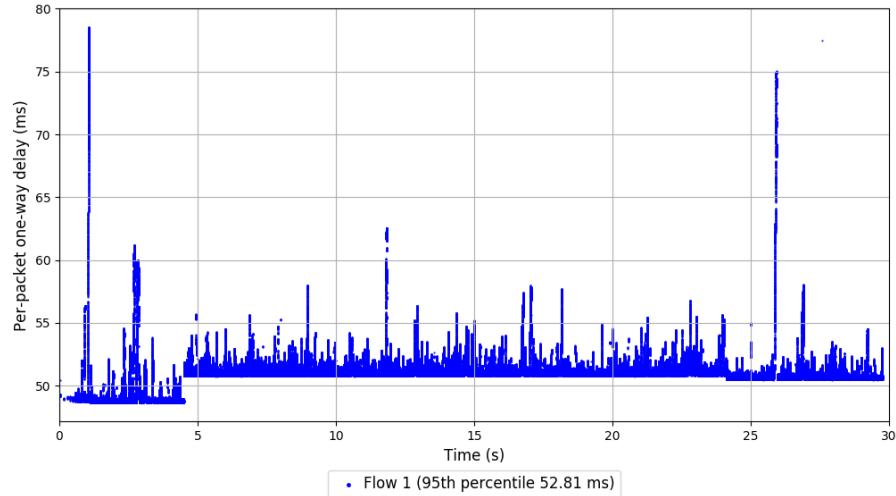
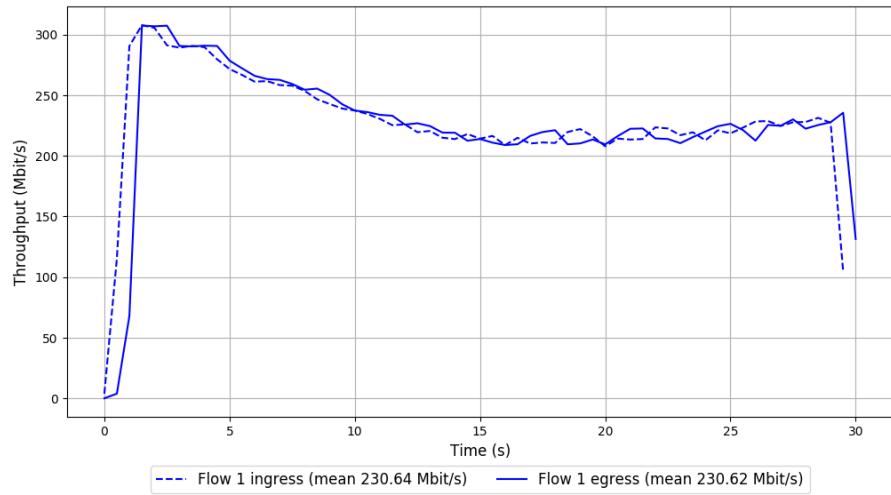


Run 5: Statistics of Indigo

```
Start at: 2018-06-07 01:25:33
End at: 2018-06-07 01:26:03
Local clock offset: 0.045 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-06-07 04:18:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.62 Mbit/s
95th percentile per-packet one-way delay: 52.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.62 Mbit/s
95th percentile per-packet one-way delay: 52.813 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

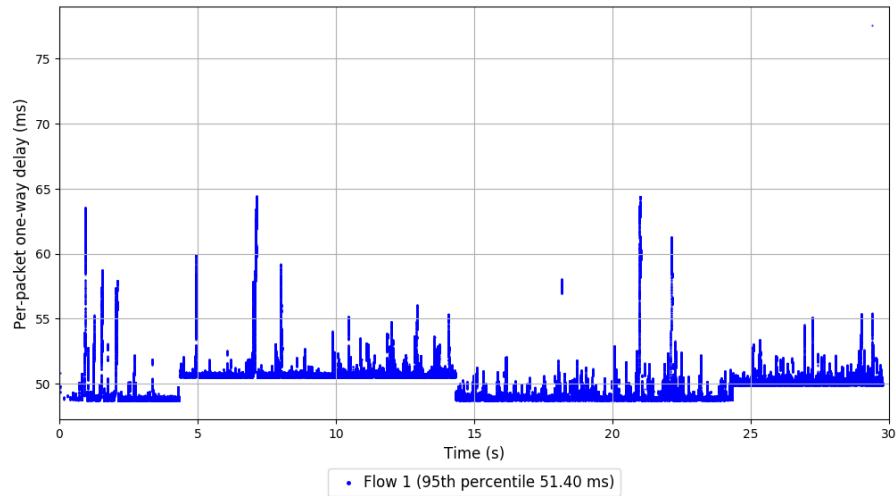
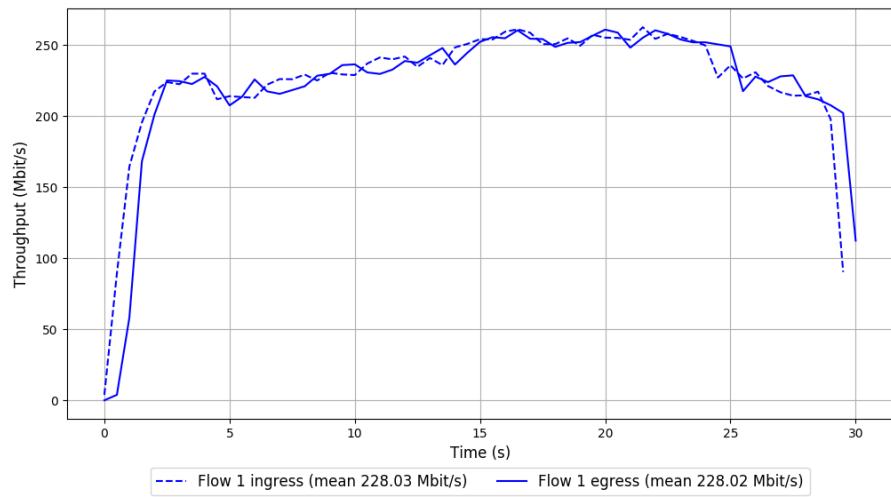


Run 6: Statistics of Indigo

```
Start at: 2018-06-07 01:45:53
End at: 2018-06-07 01:46:23
Local clock offset: -0.099 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.02 Mbit/s
95th percentile per-packet one-way delay: 51.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 228.02 Mbit/s
95th percentile per-packet one-way delay: 51.403 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

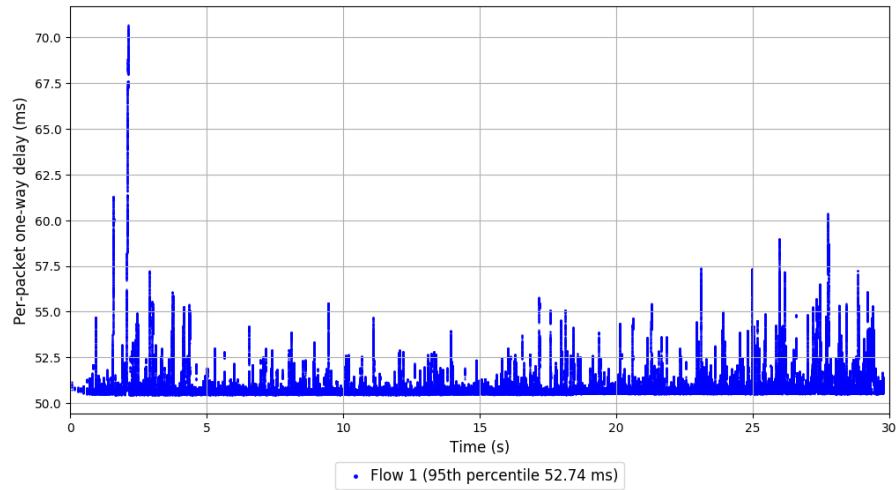
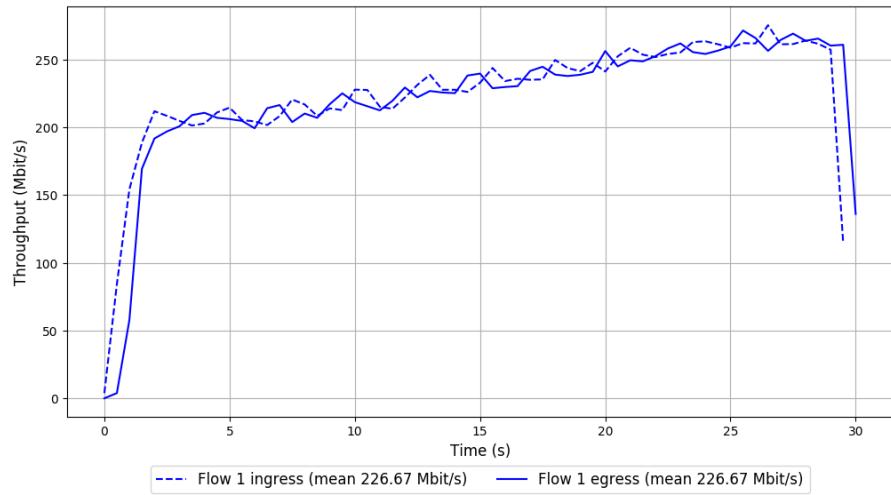


Run 7: Statistics of Indigo

```
Start at: 2018-06-07 02:06:18
End at: 2018-06-07 02:06:48
Local clock offset: -0.027 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.67 Mbit/s
95th percentile per-packet one-way delay: 52.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 226.67 Mbit/s
95th percentile per-packet one-way delay: 52.741 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

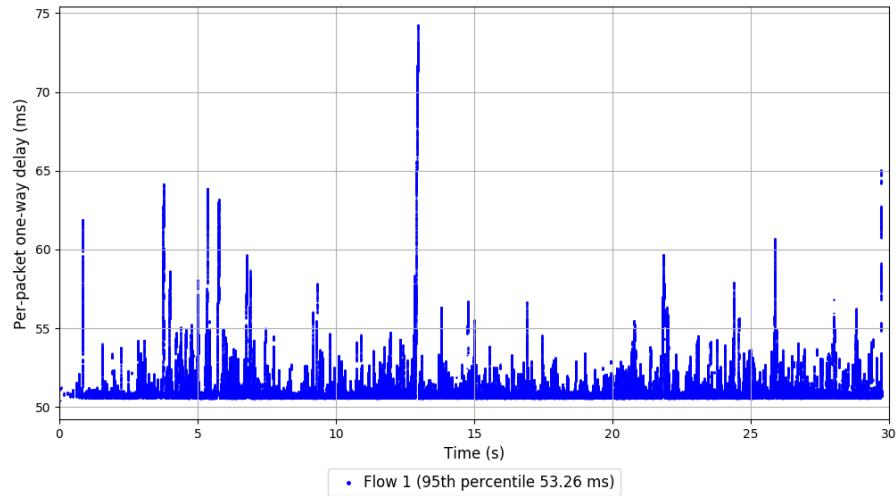
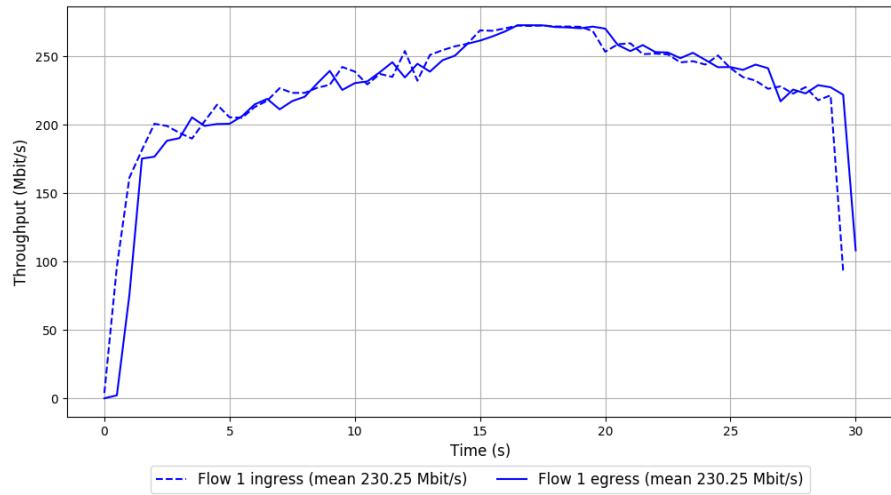


Run 8: Statistics of Indigo

```
Start at: 2018-06-07 02:26:47
End at: 2018-06-07 02:27:17
Local clock offset: 0.052 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.25 Mbit/s
95th percentile per-packet one-way delay: 53.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.25 Mbit/s
95th percentile per-packet one-way delay: 53.261 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

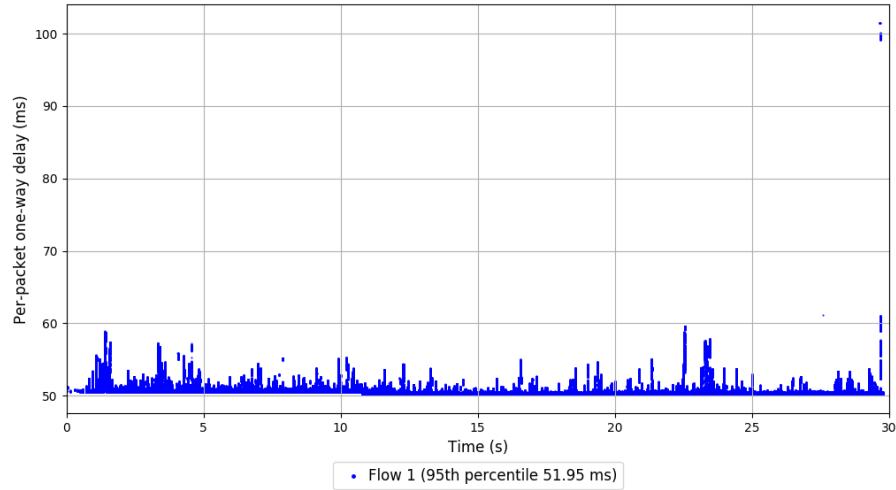
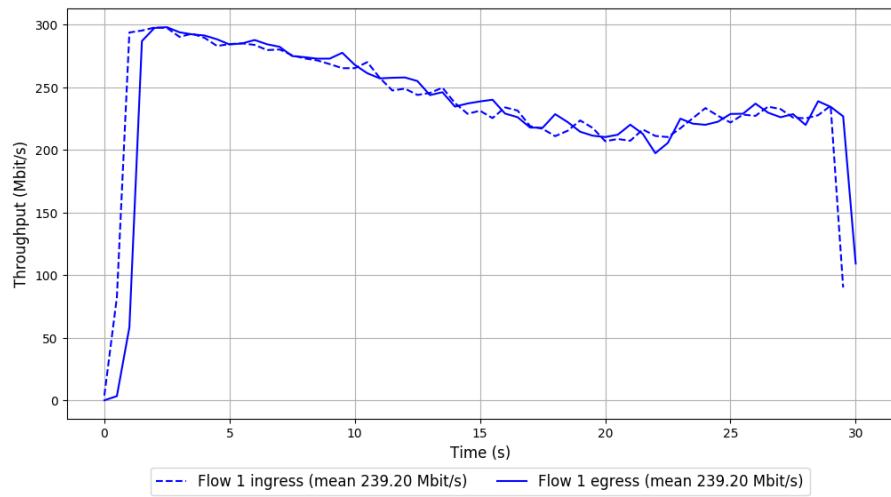


Run 9: Statistics of Indigo

```
Start at: 2018-06-07 02:46:56
End at: 2018-06-07 02:47:26
Local clock offset: -0.008 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.20 Mbit/s
95th percentile per-packet one-way delay: 51.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.20 Mbit/s
95th percentile per-packet one-way delay: 51.947 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

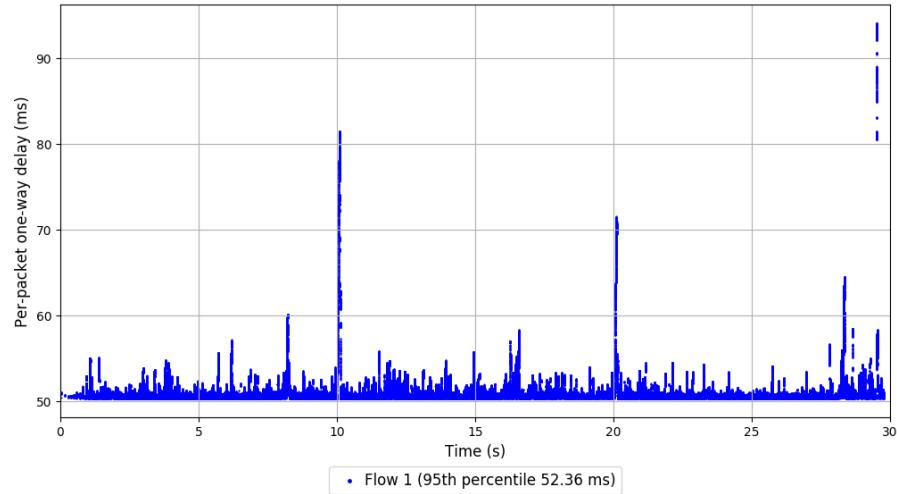
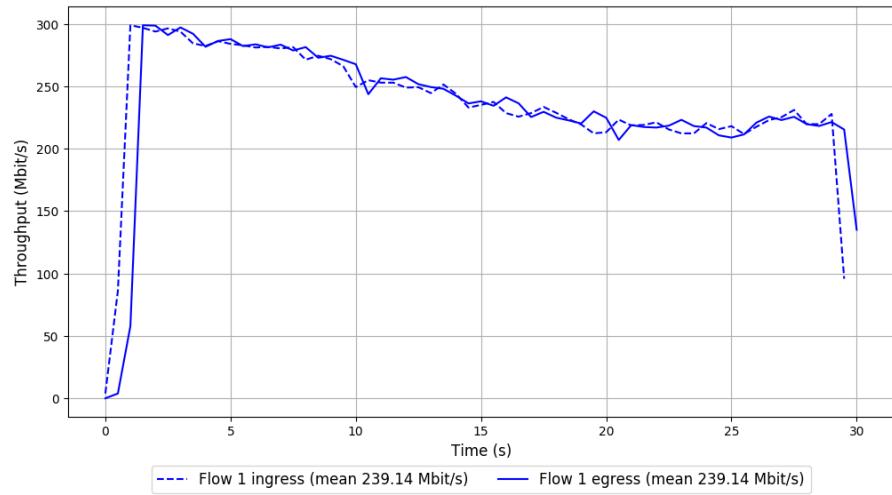


Run 10: Statistics of Indigo

```
Start at: 2018-06-07 03:07:21
End at: 2018-06-07 03:07:51
Local clock offset: 0.017 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.14 Mbit/s
95th percentile per-packet one-way delay: 52.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.14 Mbit/s
95th percentile per-packet one-way delay: 52.359 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

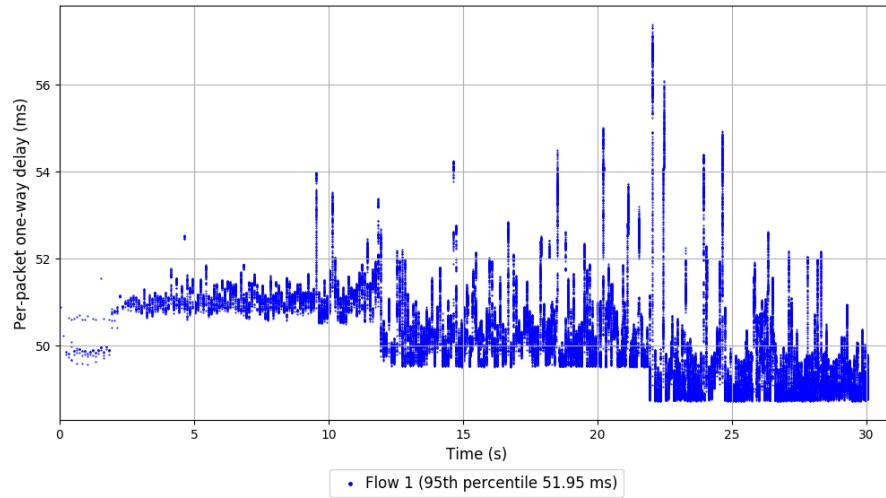
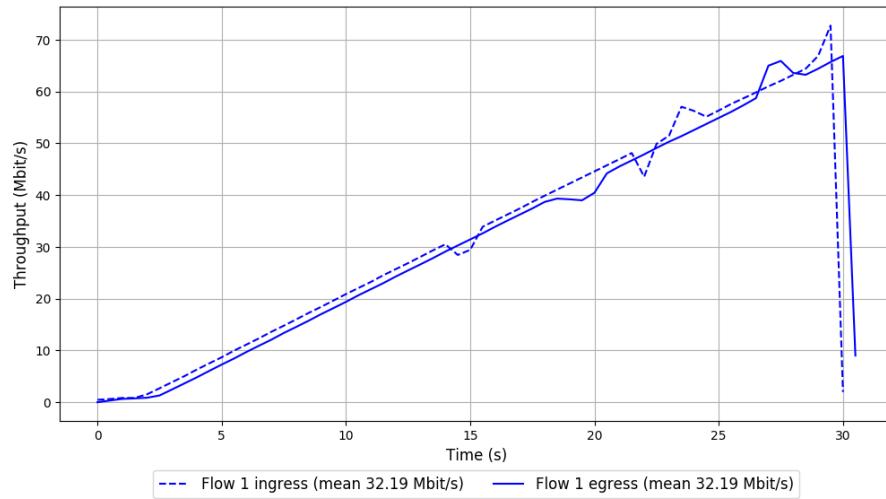


Run 1: Statistics of LEDBAT

```
Start at: 2018-06-07 00:02:56
End at: 2018-06-07 00:03:26
Local clock offset: -0.02 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 51.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 51.952 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

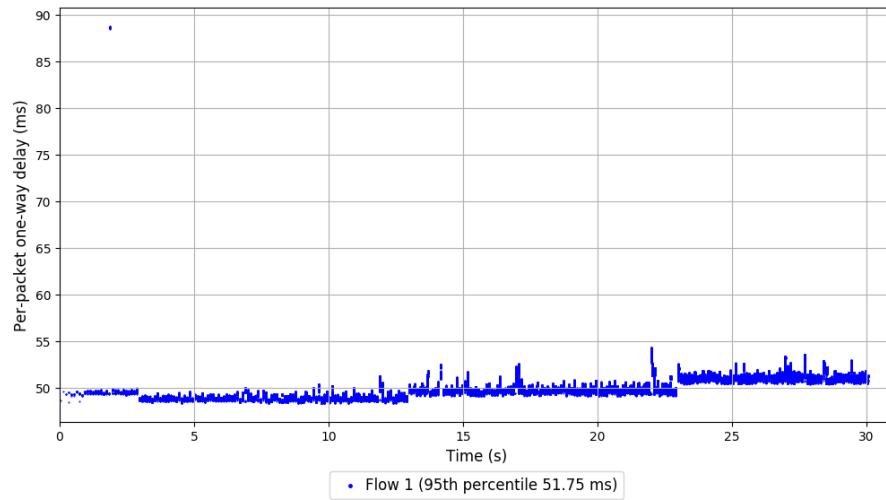
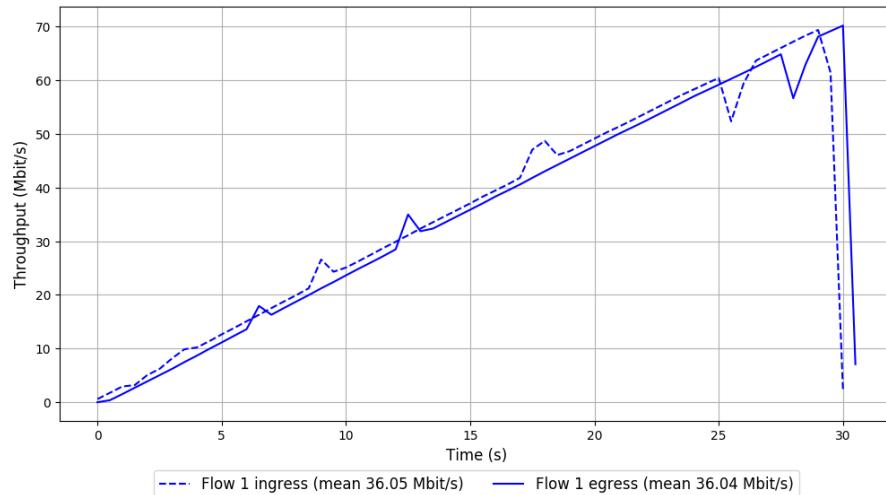


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-07 00:23:15
End at: 2018-06-07 00:23:45
Local clock offset: 0.338 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 51.753 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 51.753 ms
Loss rate: 0.02%
```

Run 2: Report of LEDBAT — Data Link

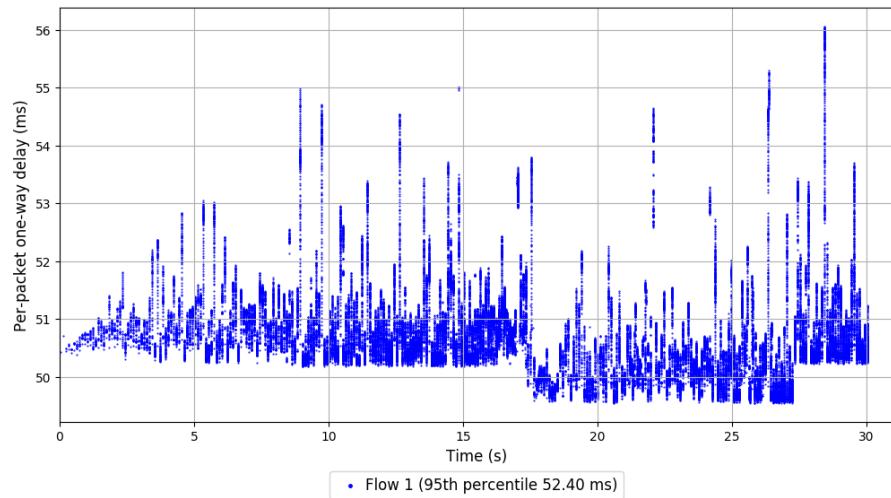
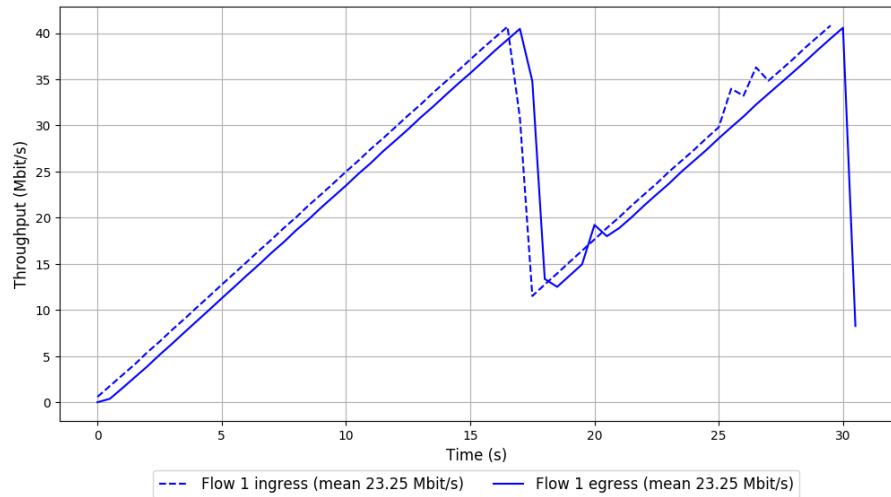


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-07 00:43:20
End at: 2018-06-07 00:43:50
Local clock offset: -0.059 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 52.397 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 52.397 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

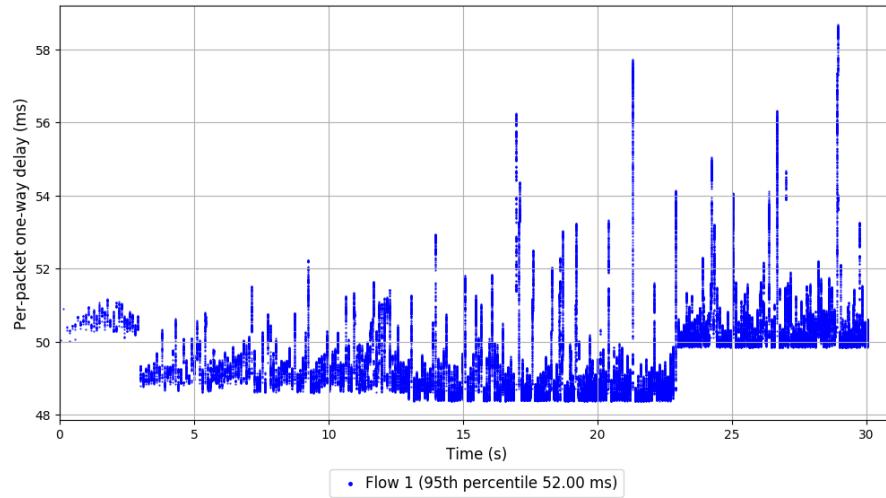
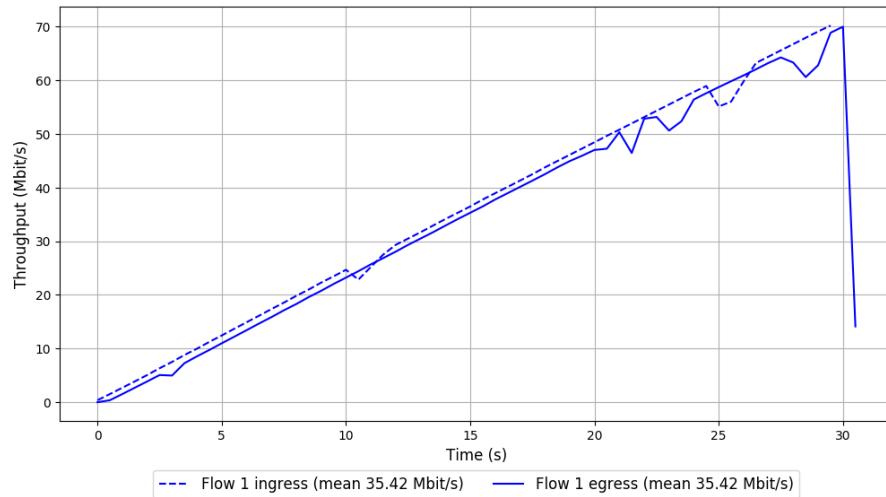


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-07 01:03:45
End at: 2018-06-07 01:04:15
Local clock offset: 0.369 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 52.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 52.000 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

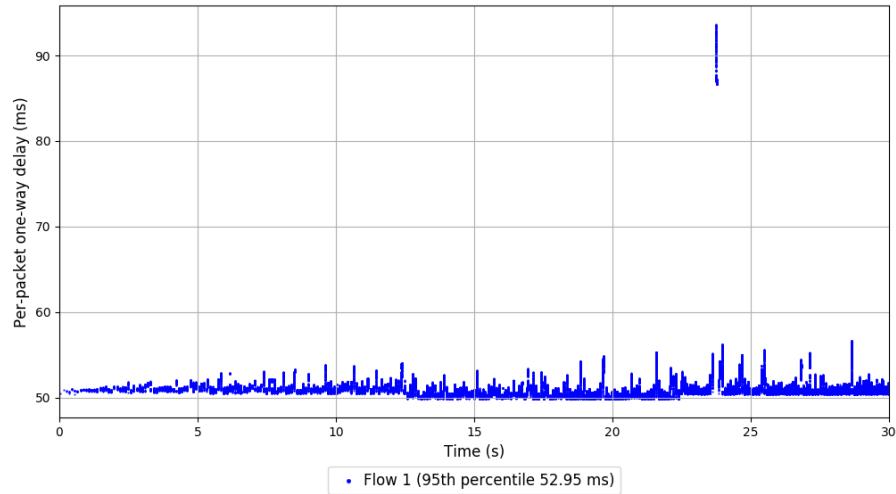
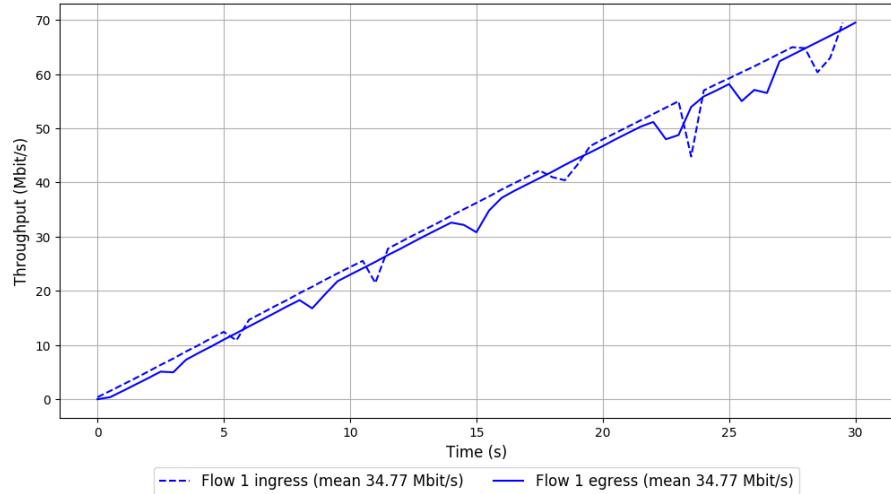


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-07 01:24:25
End at: 2018-06-07 01:24:55
Local clock offset: 0.406 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 52.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 52.950 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

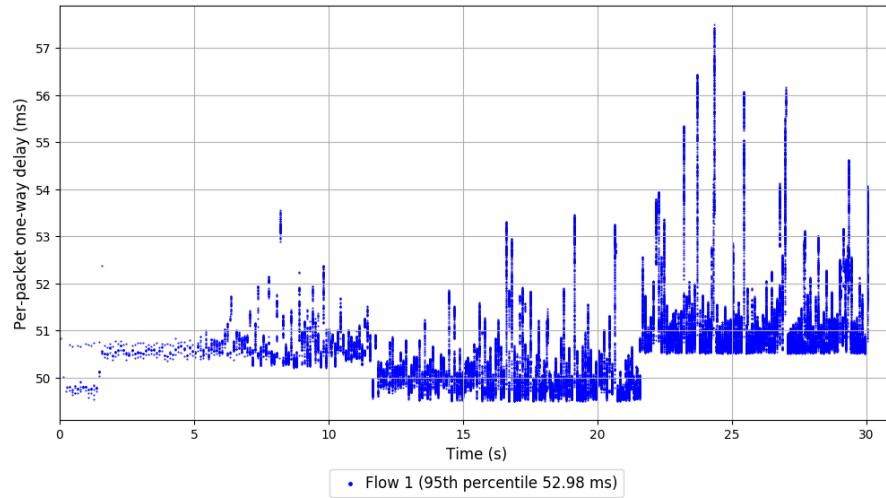
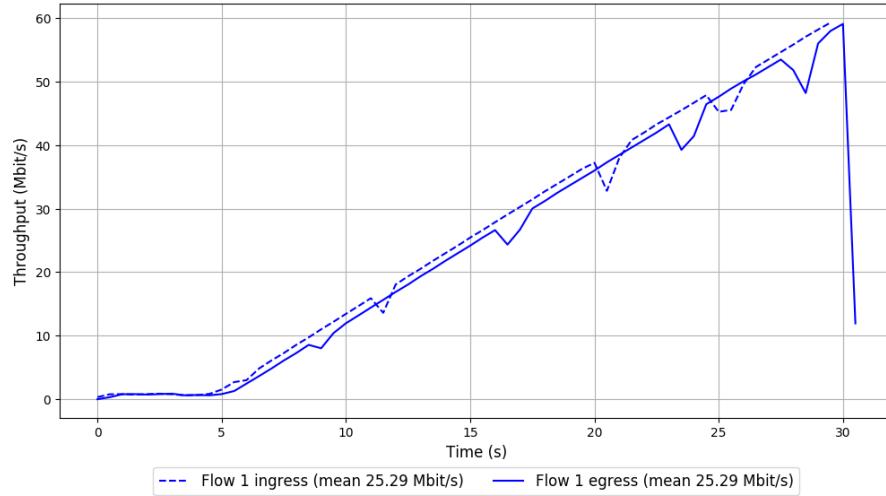


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-07 01:44:46
End at: 2018-06-07 01:45:16
Local clock offset: -0.063 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 52.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.29 Mbit/s
95th percentile per-packet one-way delay: 52.977 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

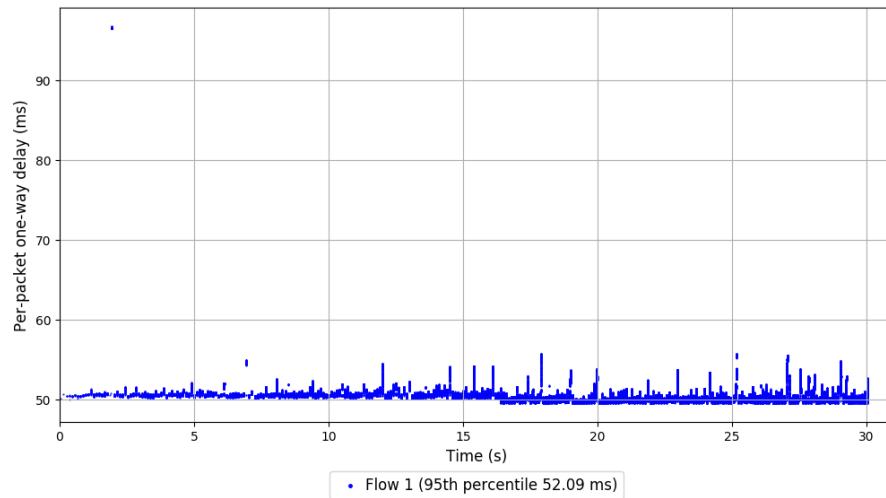
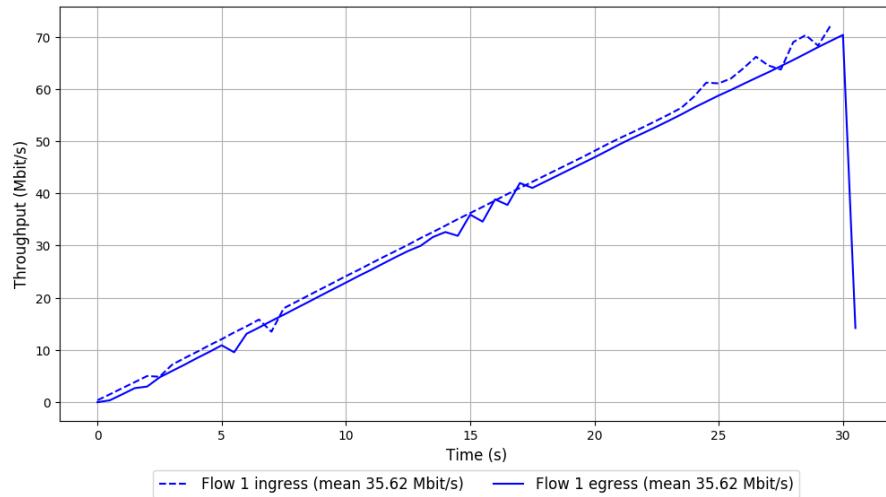


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-07 02:05:11
End at: 2018-06-07 02:05:41
Local clock offset: 0.341 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 52.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 52.095 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

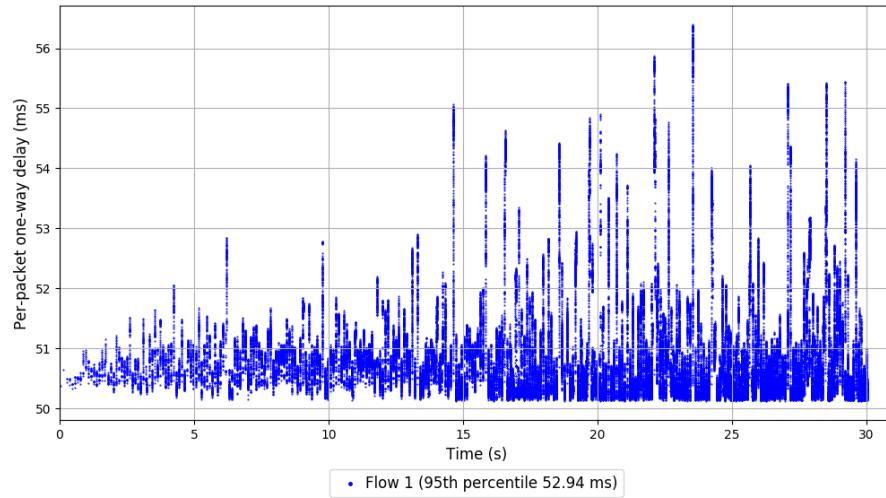
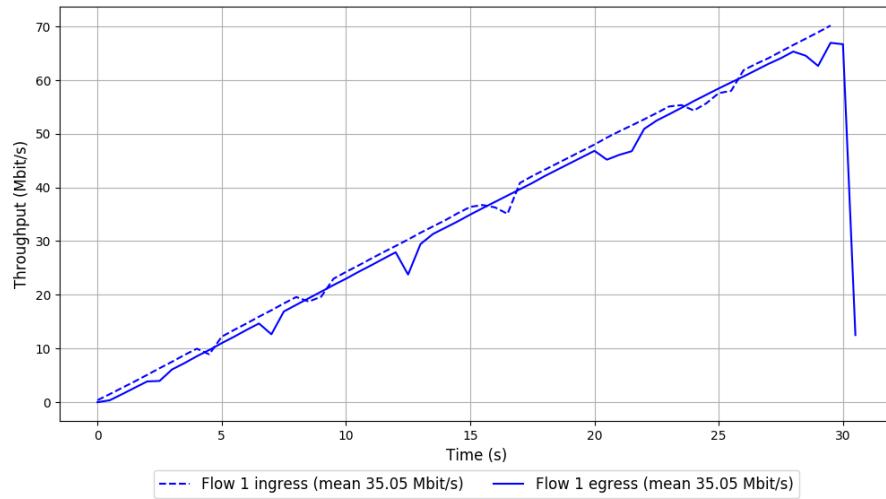


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-07 02:25:39
End at: 2018-06-07 02:26:09
Local clock offset: 0.407 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 52.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 52.944 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

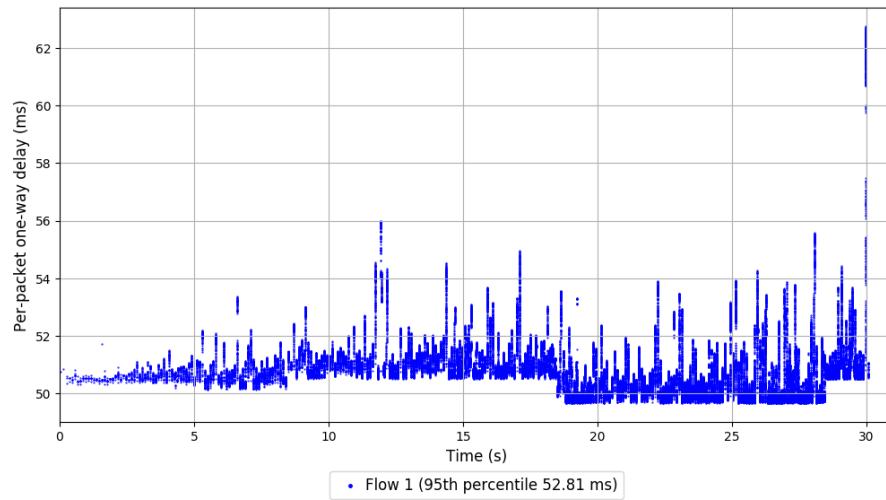
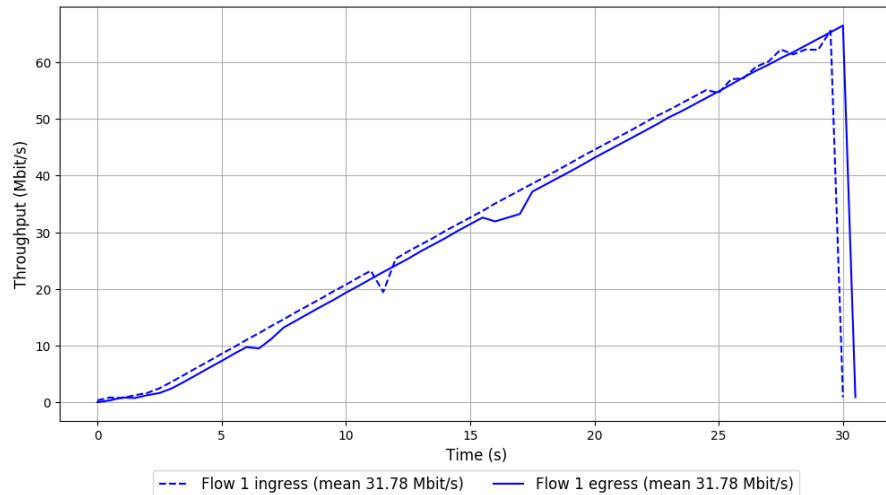


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-07 02:45:49
End at: 2018-06-07 02:46:19
Local clock offset: 0.0 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 52.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 52.806 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

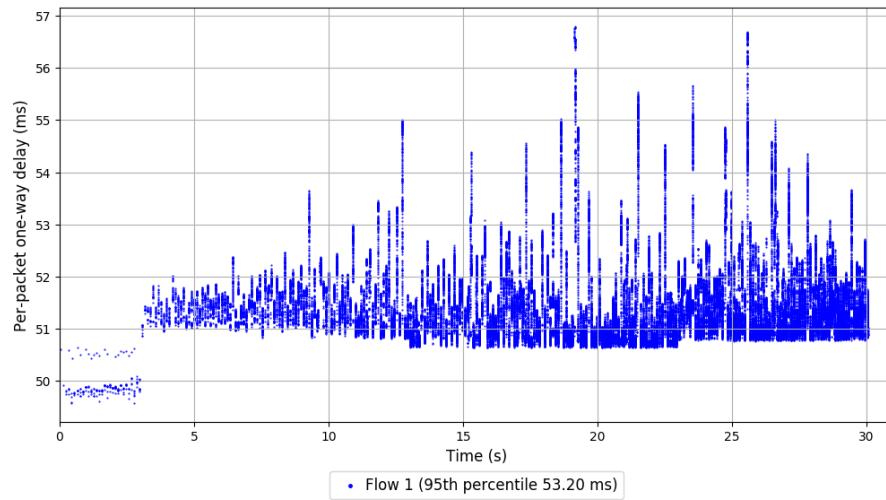
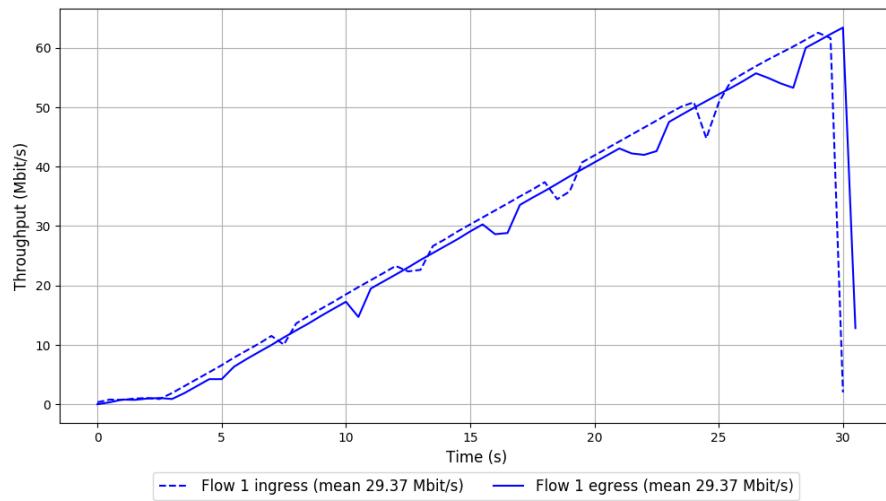


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-07 03:06:14
End at: 2018-06-07 03:06:44
Local clock offset: -0.034 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-06-07 04:18:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 53.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 53.204 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

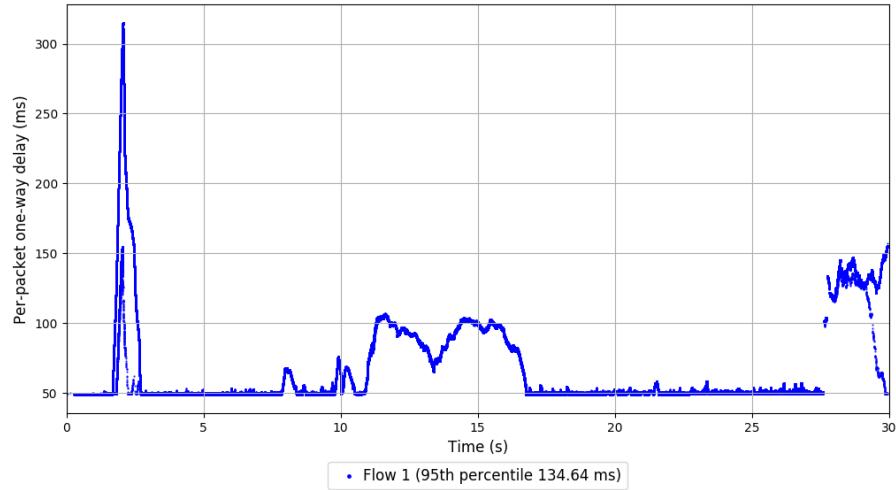
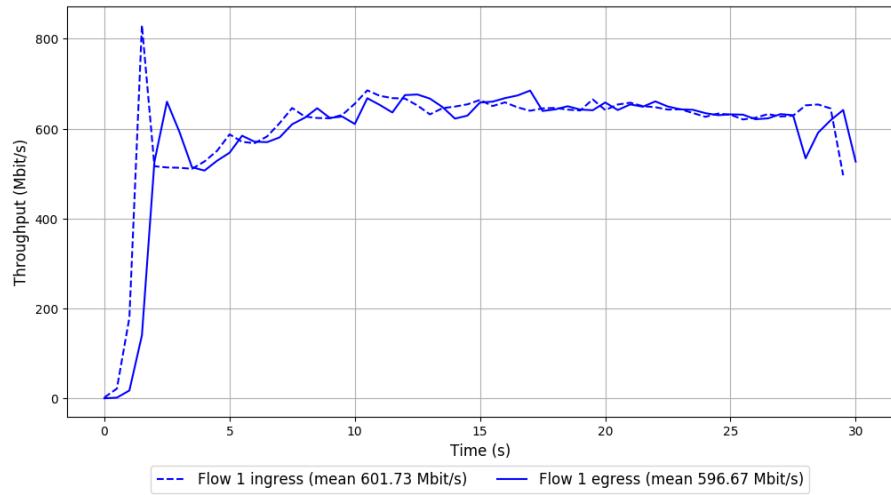


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-06-07 00:06:35
End at: 2018-06-07 00:07:05
Local clock offset: 0.005 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-06-07 04:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 596.67 Mbit/s
95th percentile per-packet one-way delay: 134.636 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 596.67 Mbit/s
95th percentile per-packet one-way delay: 134.636 ms
Loss rate: 0.83%
```

Run 1: Report of PCC-Allegro — Data Link

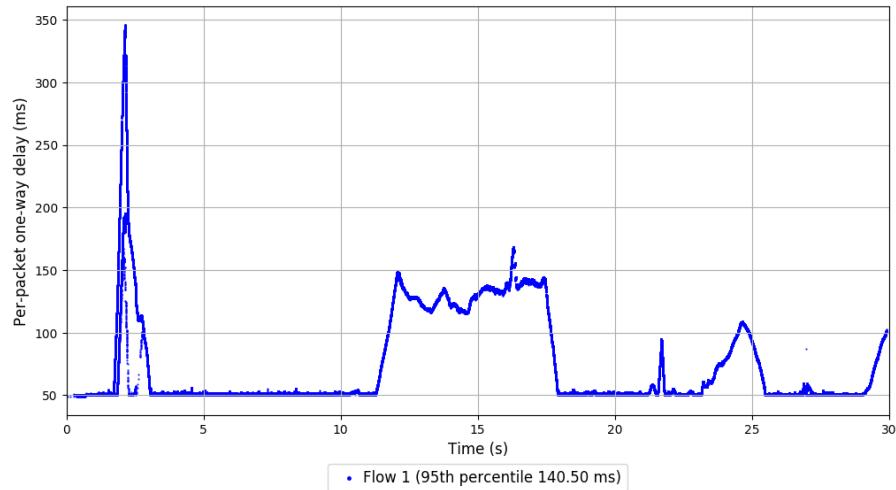
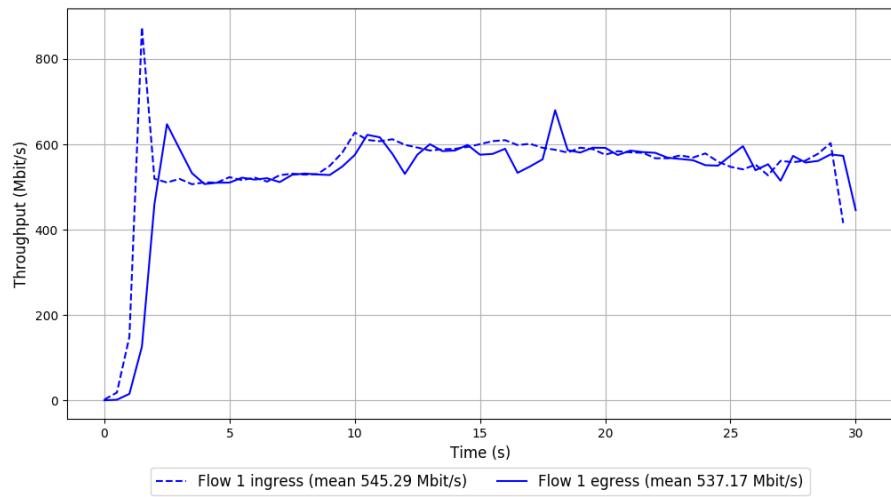


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-07 00:26:57
End at: 2018-06-07 00:27:27
Local clock offset: -0.01 ms
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2018-06-07 04:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 537.17 Mbit/s
95th percentile per-packet one-way delay: 140.500 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 537.17 Mbit/s
95th percentile per-packet one-way delay: 140.500 ms
Loss rate: 1.48%
```

Run 2: Report of PCC-Allegro — Data Link

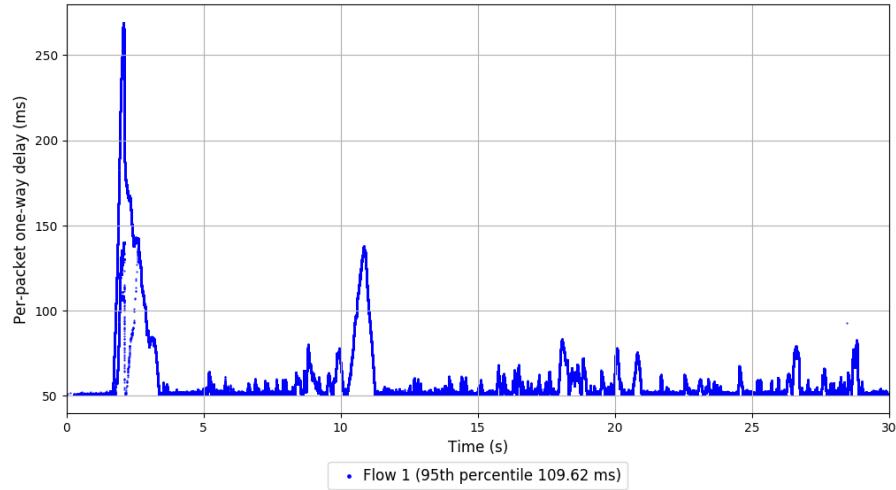
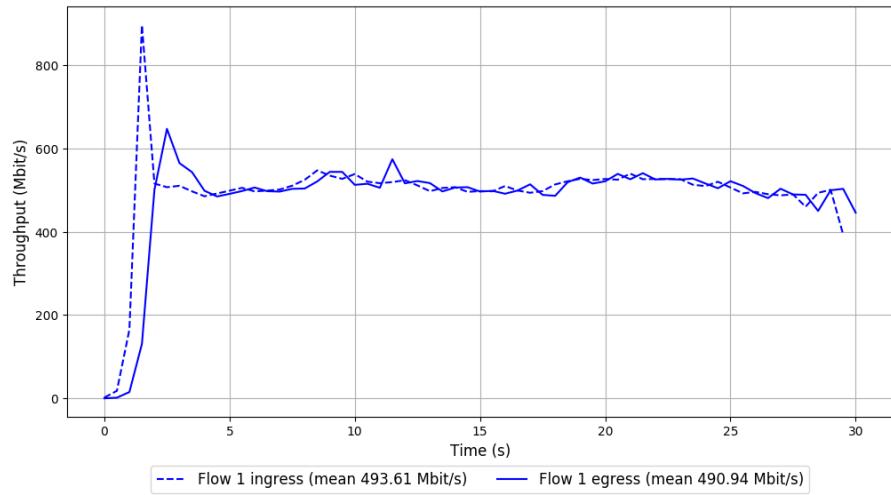


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-07 00:47:01
End at: 2018-06-07 00:47:31
Local clock offset: -0.435 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-06-07 04:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 490.94 Mbit/s
95th percentile per-packet one-way delay: 109.618 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 490.94 Mbit/s
95th percentile per-packet one-way delay: 109.618 ms
Loss rate: 0.54%
```

Run 3: Report of PCC-Allegro — Data Link

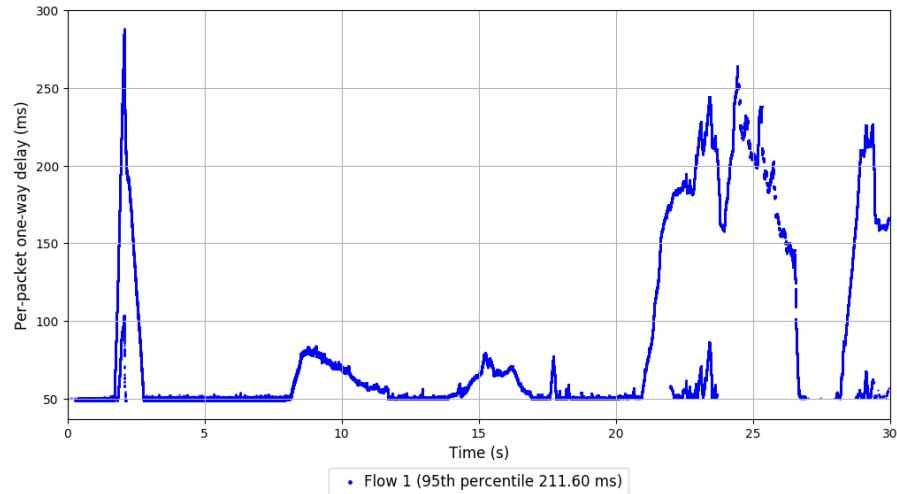
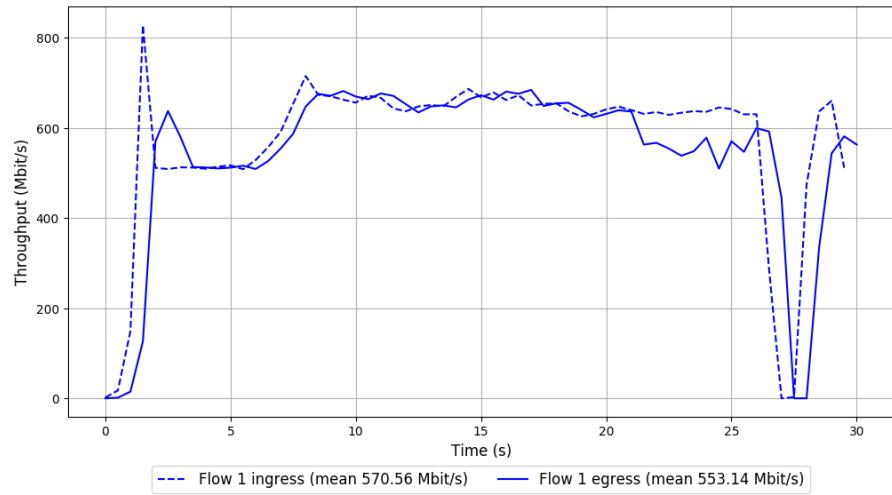


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-07 01:07:27
End at: 2018-06-07 01:07:57
Local clock offset: 0.012 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-06-07 04:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 553.14 Mbit/s
95th percentile per-packet one-way delay: 211.605 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 553.14 Mbit/s
95th percentile per-packet one-way delay: 211.605 ms
Loss rate: 3.05%
```

Run 4: Report of PCC-Allegro — Data Link

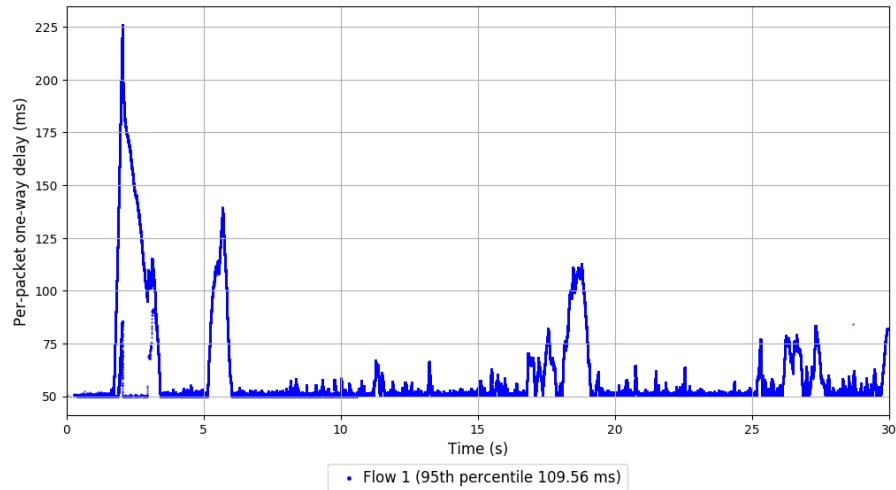
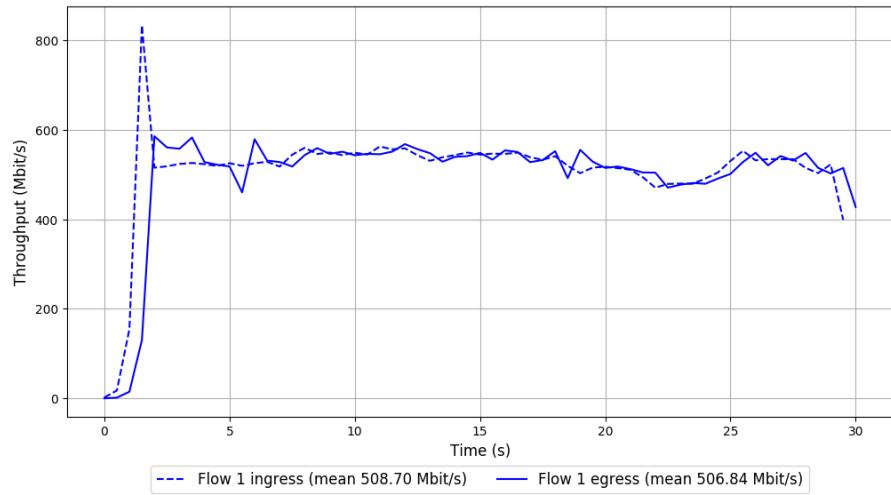


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-07 01:28:06
End at: 2018-06-07 01:28:36
Local clock offset: 0.357 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-06-07 04:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 506.84 Mbit/s
95th percentile per-packet one-way delay: 109.555 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 506.84 Mbit/s
95th percentile per-packet one-way delay: 109.555 ms
Loss rate: 0.37%
```

Run 5: Report of PCC-Allegro — Data Link

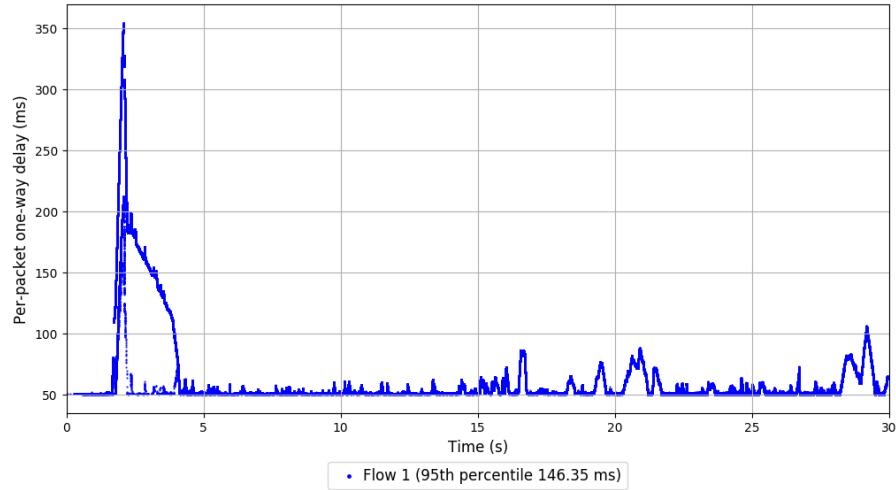
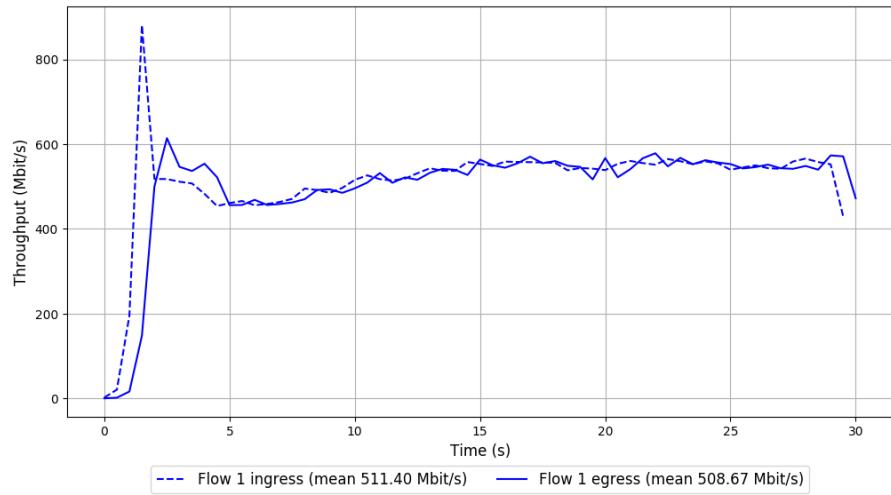


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-07 01:48:26
End at: 2018-06-07 01:48:56
Local clock offset: -0.082 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-07 04:20:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 508.67 Mbit/s
95th percentile per-packet one-way delay: 146.355 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 508.67 Mbit/s
95th percentile per-packet one-way delay: 146.355 ms
Loss rate: 0.53%
```

Run 6: Report of PCC-Allegro — Data Link

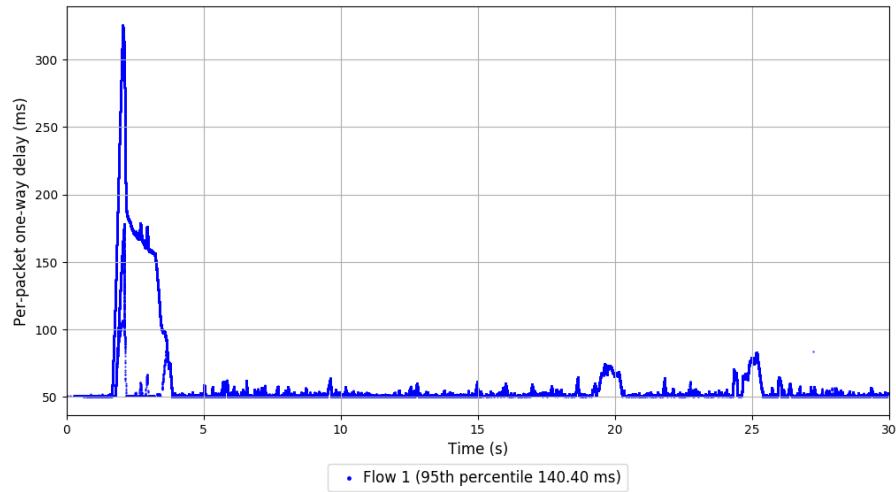
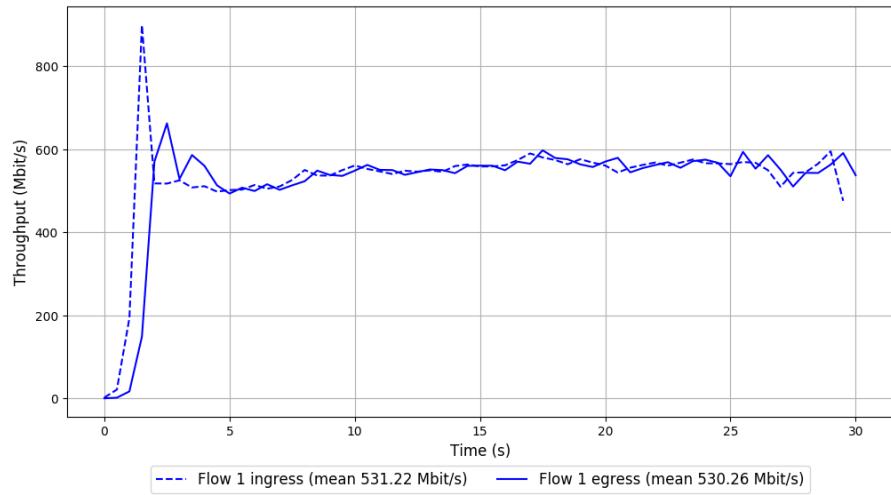


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-07 02:08:52
End at: 2018-06-07 02:09:22
Local clock offset: -0.008 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-06-07 04:26:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 530.26 Mbit/s
95th percentile per-packet one-way delay: 140.401 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 530.26 Mbit/s
95th percentile per-packet one-way delay: 140.401 ms
Loss rate: 0.18%
```

Run 7: Report of PCC-Allegro — Data Link

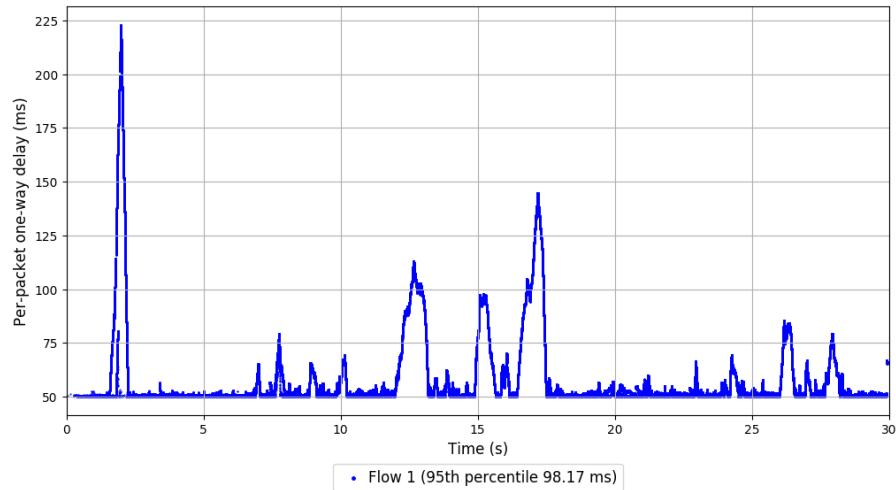
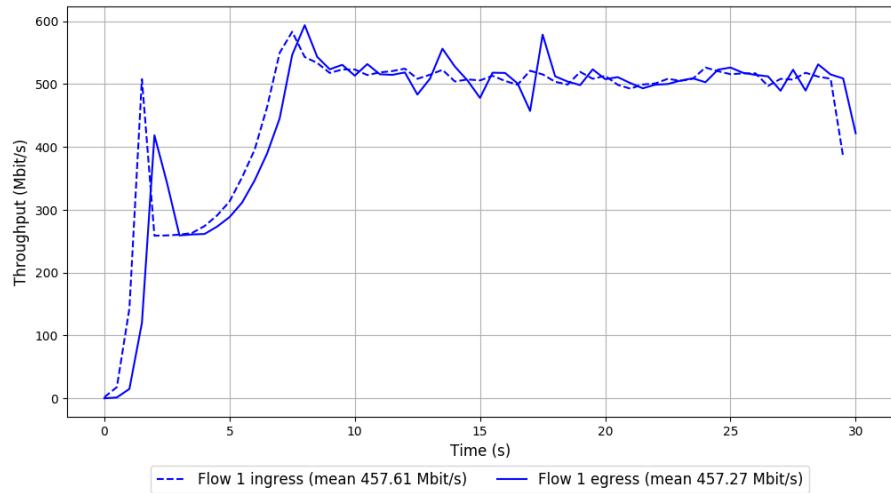


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-07 02:29:22
End at: 2018-06-07 02:29:52
Local clock offset: 0.022 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-06-07 04:26:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 457.27 Mbit/s
95th percentile per-packet one-way delay: 98.175 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 457.27 Mbit/s
95th percentile per-packet one-way delay: 98.175 ms
Loss rate: 0.07%
```

Run 8: Report of PCC-Allegro — Data Link

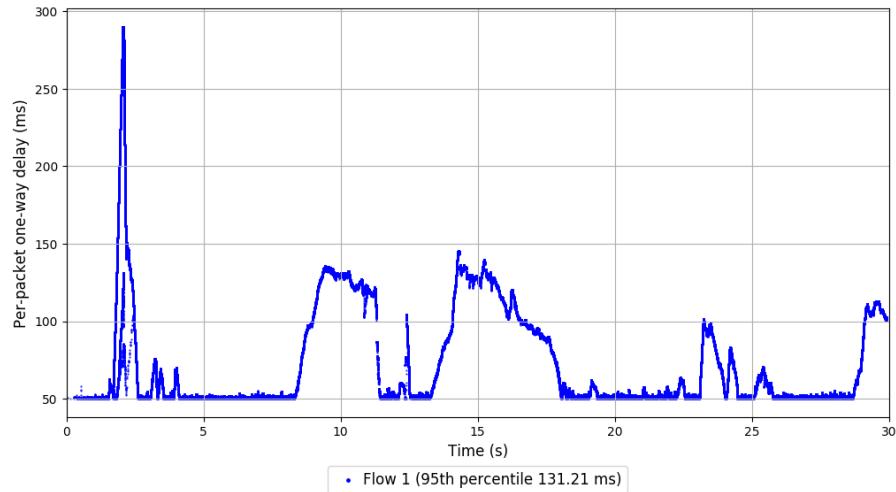
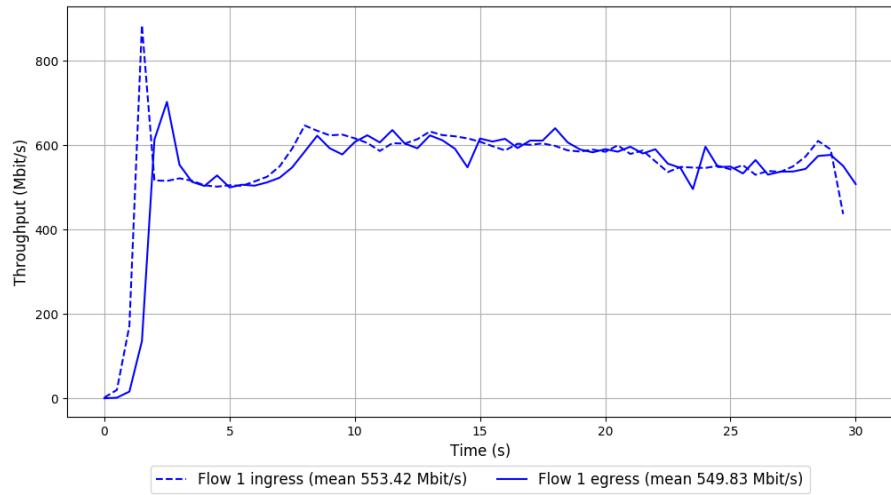


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-07 02:49:30
End at: 2018-06-07 02:50:00
Local clock offset: 0.008 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-06-07 04:27:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 549.83 Mbit/s
95th percentile per-packet one-way delay: 131.209 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 549.83 Mbit/s
95th percentile per-packet one-way delay: 131.209 ms
Loss rate: 0.65%
```

Run 9: Report of PCC-Allegro — Data Link

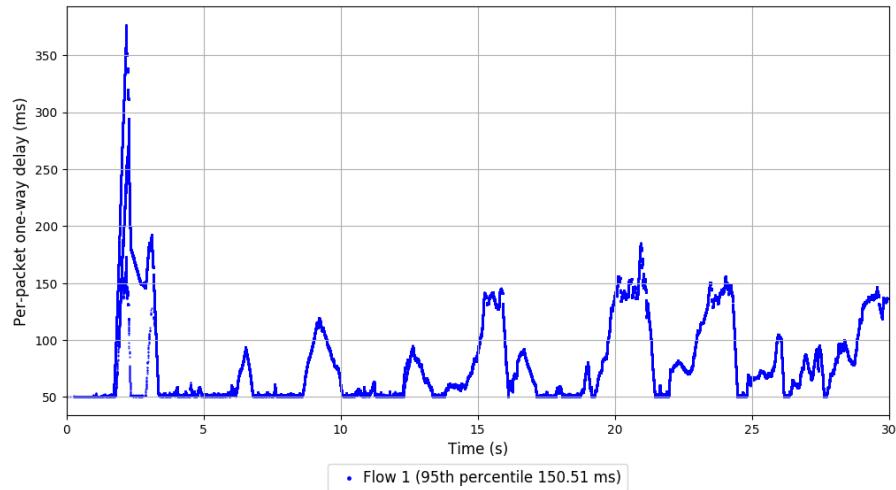
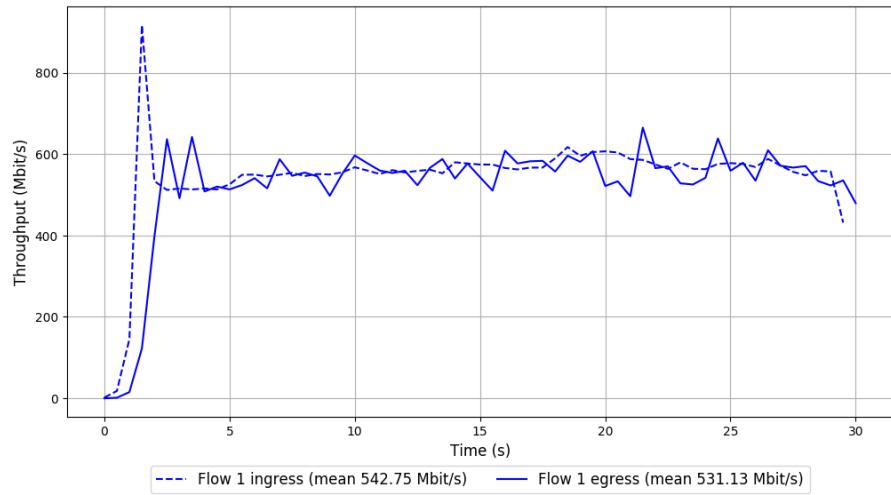


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-07 03:09:56
End at: 2018-06-07 03:10:26
Local clock offset: -0.009 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-06-07 04:27:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 531.13 Mbit/s
95th percentile per-packet one-way delay: 150.511 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 531.13 Mbit/s
95th percentile per-packet one-way delay: 150.511 ms
Loss rate: 2.14%
```

Run 10: Report of PCC-Allegro — Data Link

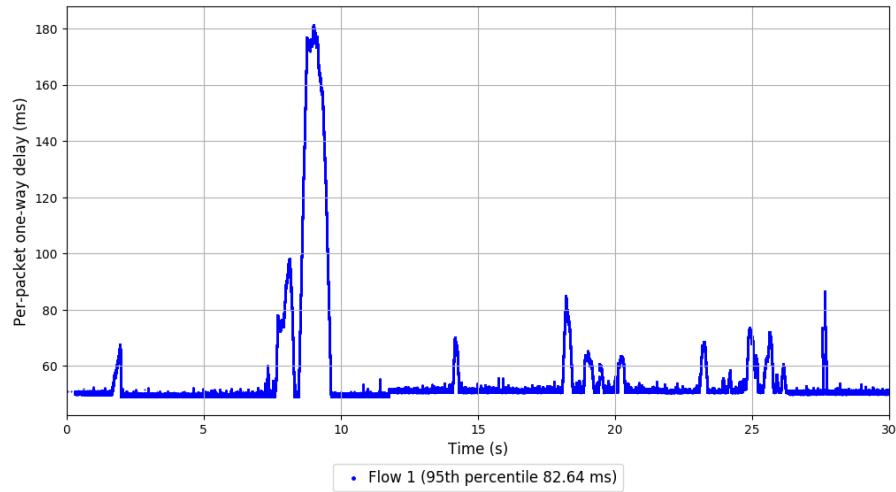
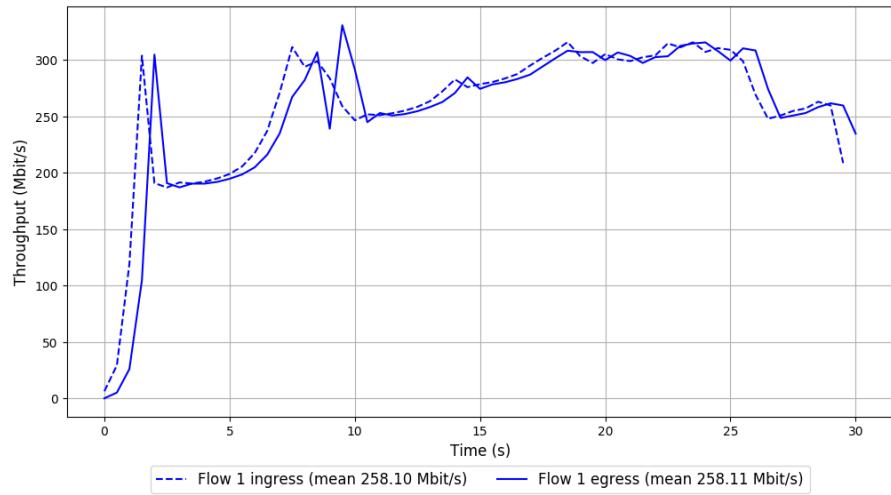


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-07 00:12:56
End at: 2018-06-07 00:13:26
Local clock offset: -0.412 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-06-07 04:27:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 258.11 Mbit/s
95th percentile per-packet one-way delay: 82.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.11 Mbit/s
95th percentile per-packet one-way delay: 82.636 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

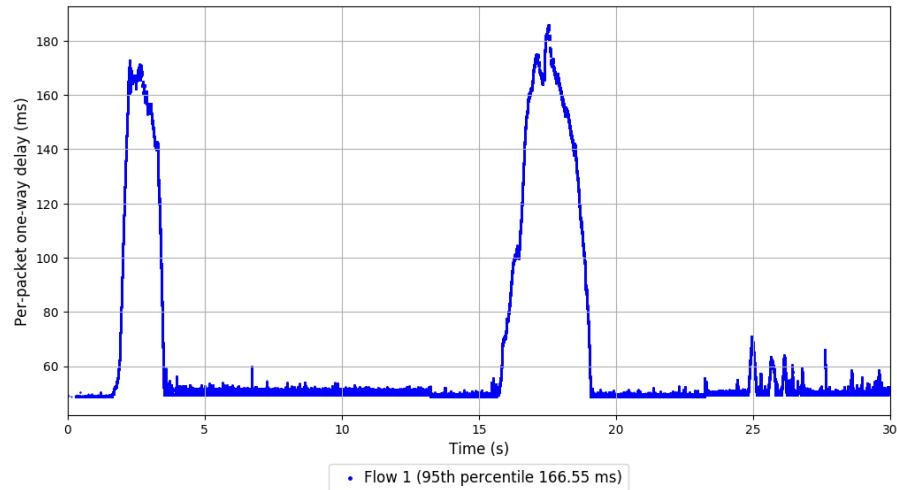
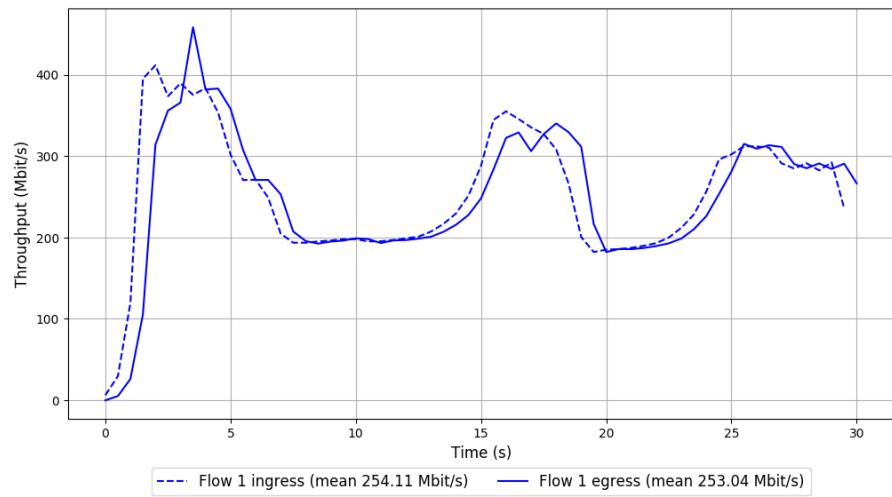


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-07 00:33:24
End at: 2018-06-07 00:33:54
Local clock offset: -0.034 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-06-07 04:27:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 253.04 Mbit/s
95th percentile per-packet one-way delay: 166.548 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 253.04 Mbit/s
95th percentile per-packet one-way delay: 166.548 ms
Loss rate: 0.42%
```

Run 2: Report of PCC-Expr — Data Link

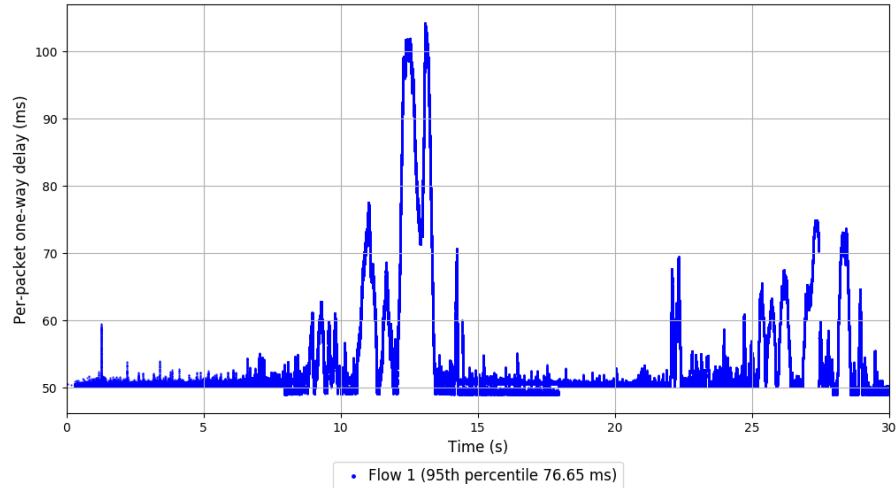
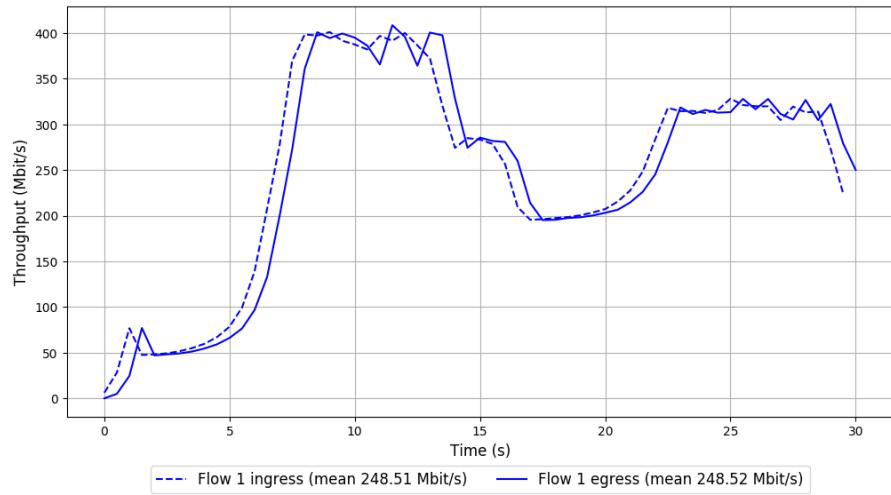


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-07 00:53:30
End at: 2018-06-07 00:54:00
Local clock offset: -0.025 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-06-07 04:27:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.52 Mbit/s
95th percentile per-packet one-way delay: 76.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.52 Mbit/s
95th percentile per-packet one-way delay: 76.650 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Expr — Data Link

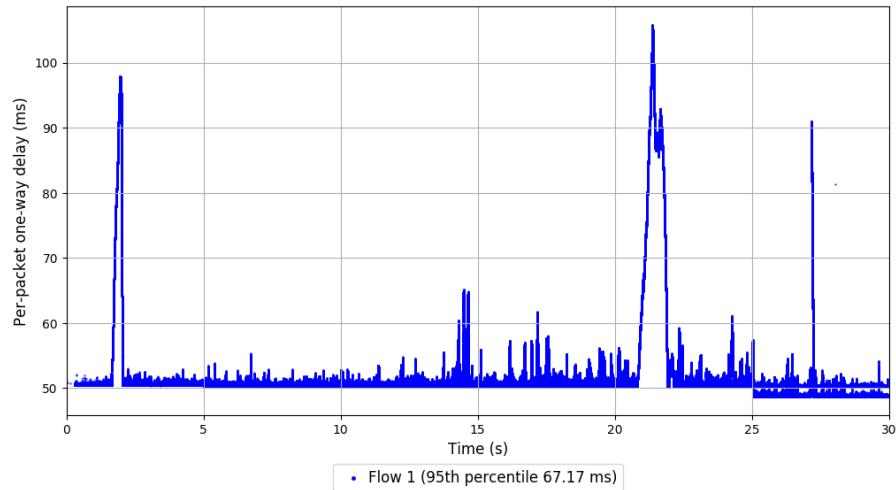
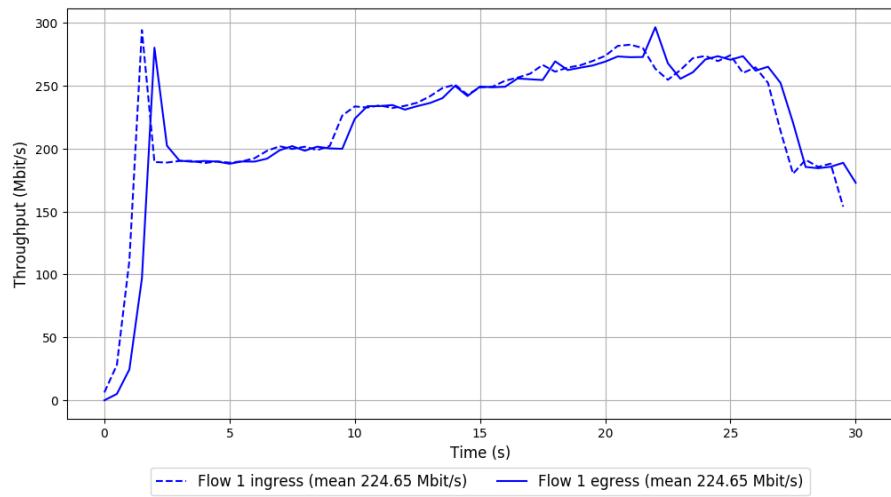


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-07 01:14:03
End at: 2018-06-07 01:14:33
Local clock offset: 0.017 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-07 04:27:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.65 Mbit/s
95th percentile per-packet one-way delay: 67.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 224.65 Mbit/s
95th percentile per-packet one-way delay: 67.171 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Expr — Data Link

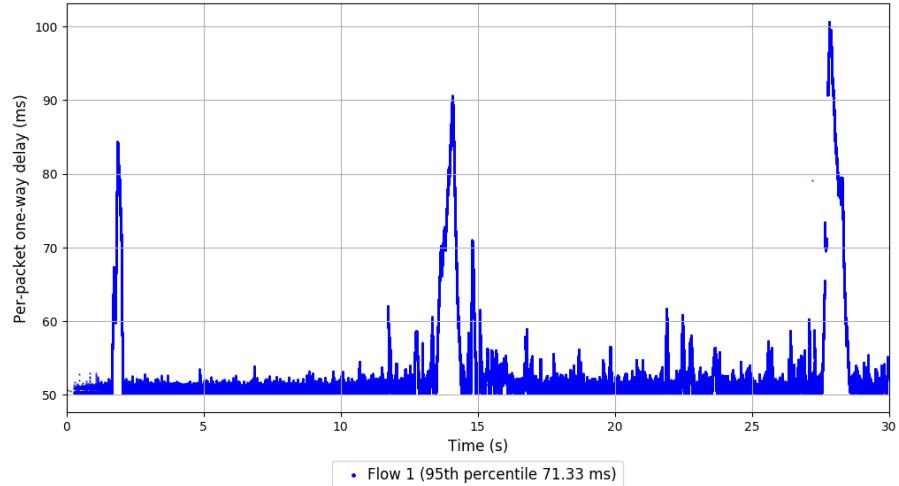
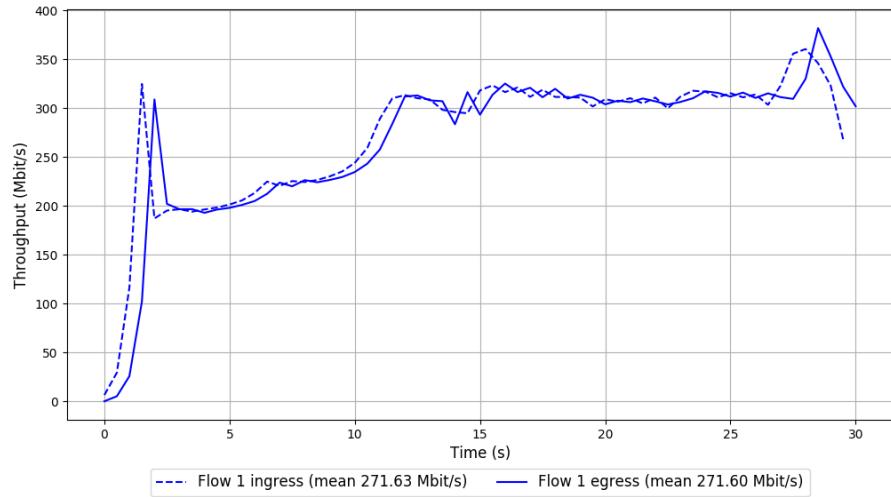


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-07 01:34:30
End at: 2018-06-07 01:35:00
Local clock offset: -0.076 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-06-07 04:34:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.60 Mbit/s
95th percentile per-packet one-way delay: 71.328 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 271.60 Mbit/s
95th percentile per-packet one-way delay: 71.328 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Expr — Data Link

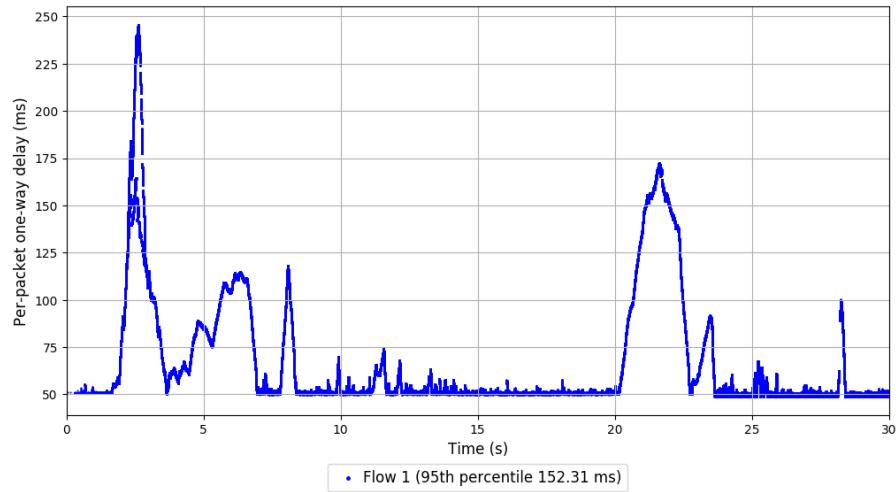
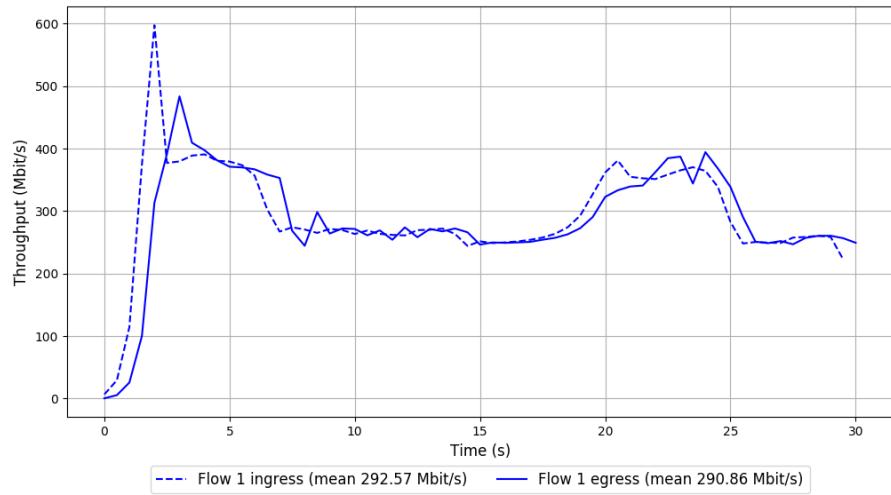


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-07 01:54:54
End at: 2018-06-07 01:55:24
Local clock offset: -0.102 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-06-07 04:35:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 290.86 Mbit/s
95th percentile per-packet one-way delay: 152.315 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 290.86 Mbit/s
95th percentile per-packet one-way delay: 152.315 ms
Loss rate: 0.59%
```

Run 6: Report of PCC-Expr — Data Link

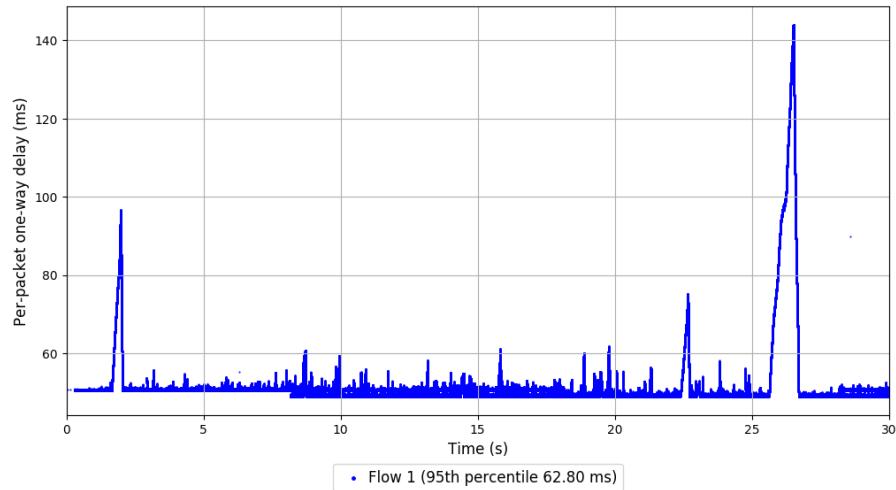
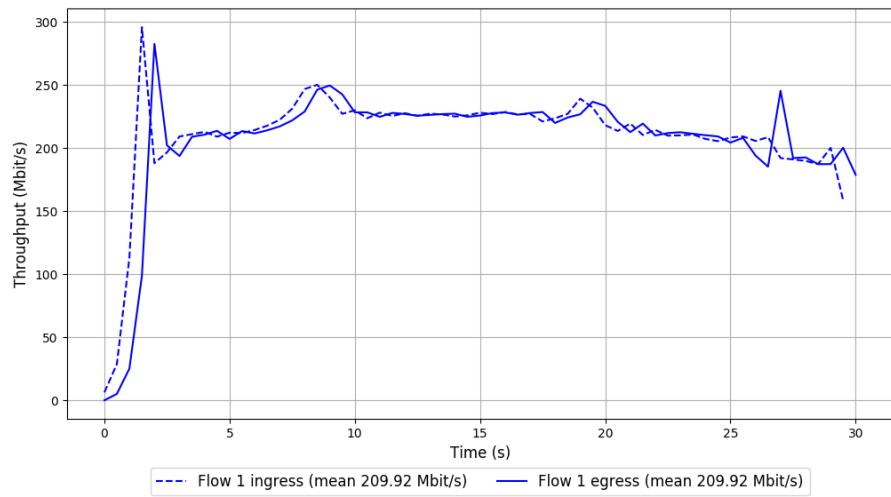


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-07 02:15:29
End at: 2018-06-07 02:15:59
Local clock offset: 0.022 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-06-07 04:35:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.92 Mbit/s
95th percentile per-packet one-way delay: 62.805 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.92 Mbit/s
95th percentile per-packet one-way delay: 62.805 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Expr — Data Link

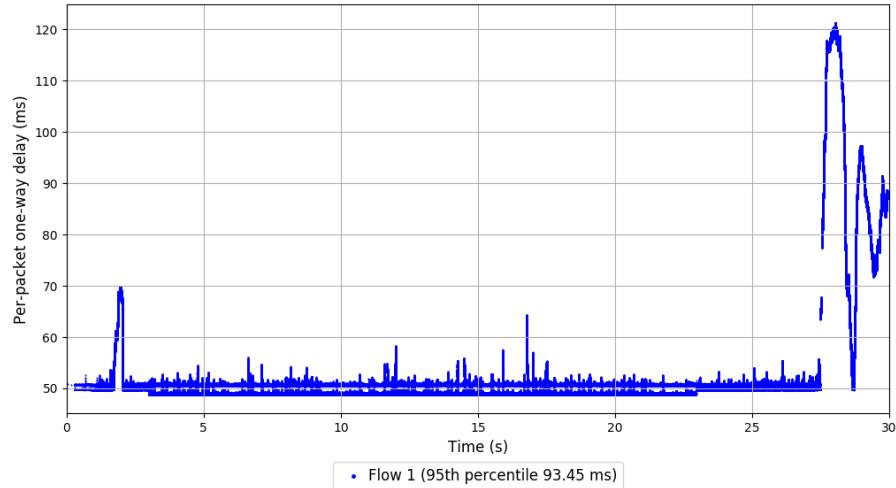
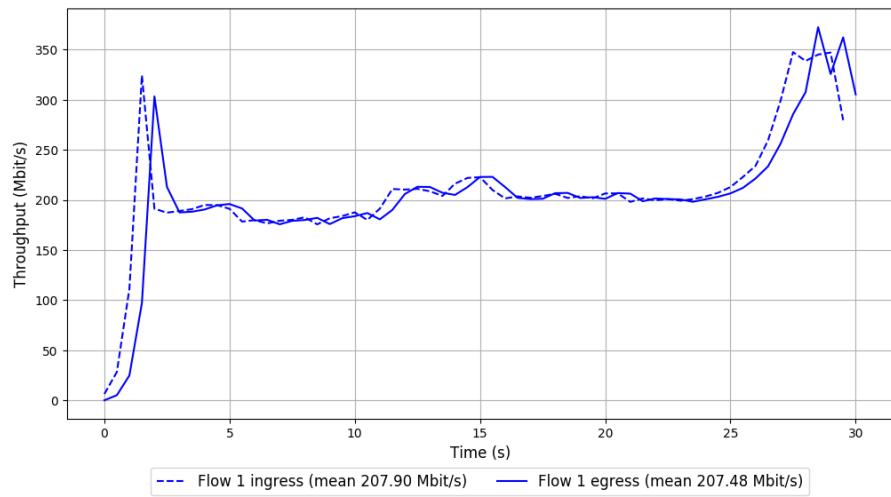


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-07 02:35:44
End at: 2018-06-07 02:36:14
Local clock offset: 0.032 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-06-07 04:35:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.48 Mbit/s
95th percentile per-packet one-way delay: 93.449 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 207.48 Mbit/s
95th percentile per-packet one-way delay: 93.449 ms
Loss rate: 0.20%
```

Run 8: Report of PCC-Expr — Data Link

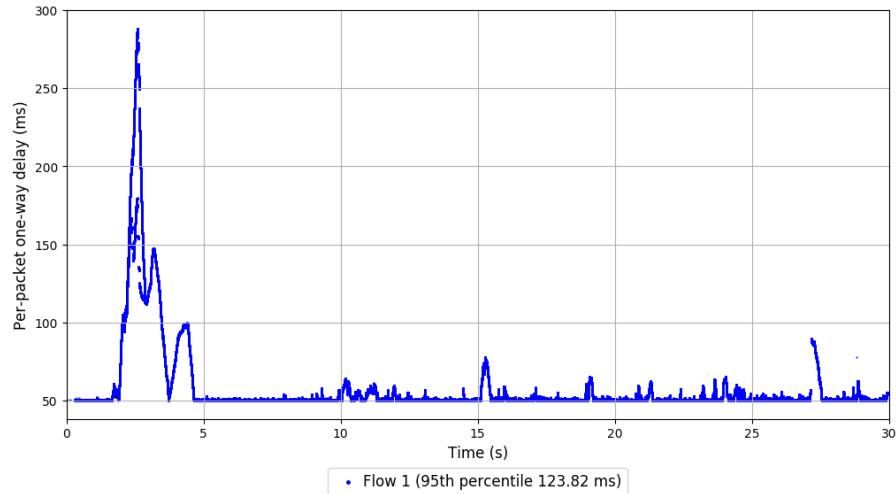
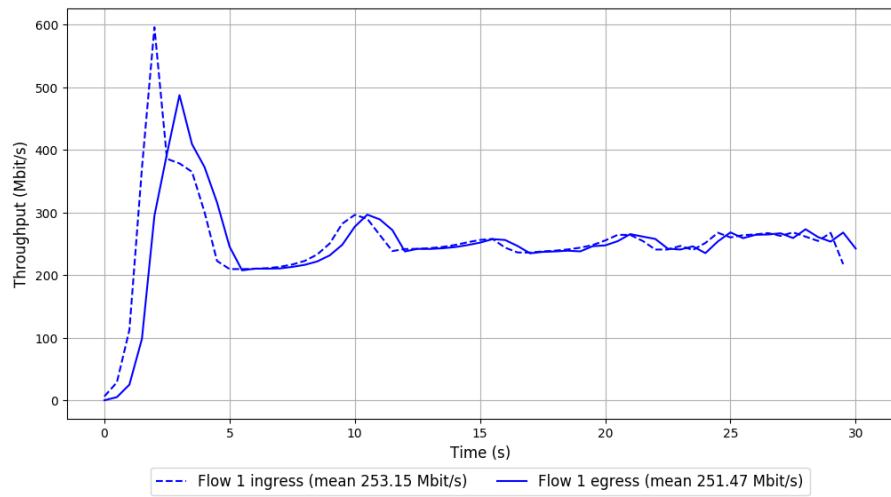


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-07 02:55:58
End at: 2018-06-07 02:56:28
Local clock offset: 0.033 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-06-07 04:35:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 251.47 Mbit/s
95th percentile per-packet one-way delay: 123.822 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 251.47 Mbit/s
95th percentile per-packet one-way delay: 123.822 ms
Loss rate: 0.66%
```

Run 9: Report of PCC-Expr — Data Link

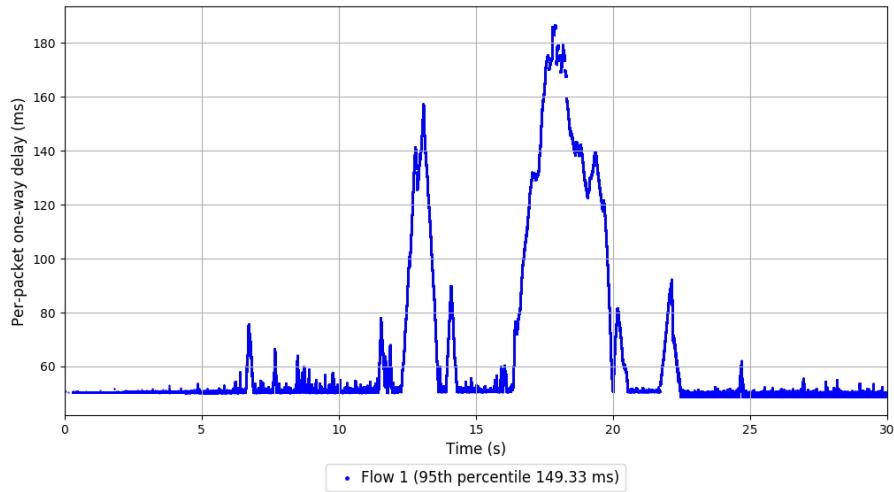
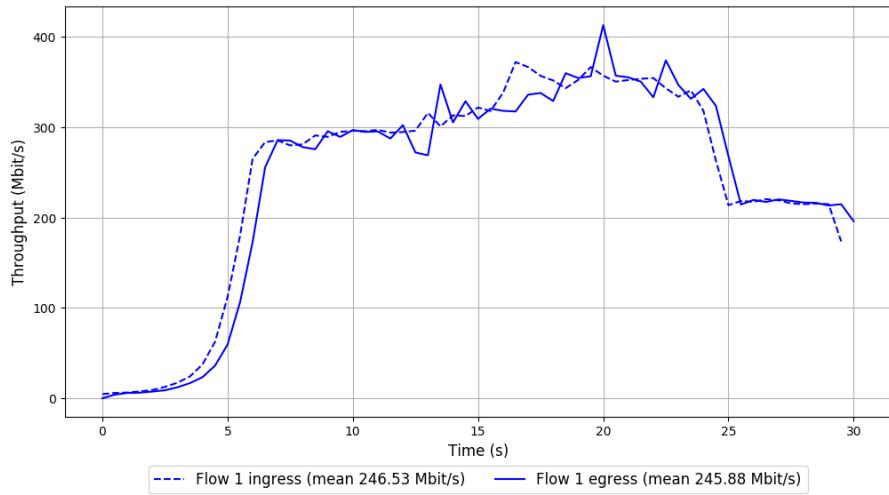


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-07 03:16:15
End at: 2018-06-07 03:16:45
Local clock offset: 0.026 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 245.88 Mbit/s
95th percentile per-packet one-way delay: 149.331 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 245.88 Mbit/s
95th percentile per-packet one-way delay: 149.331 ms
Loss rate: 0.26%
```

Run 10: Report of PCC-Expr — Data Link

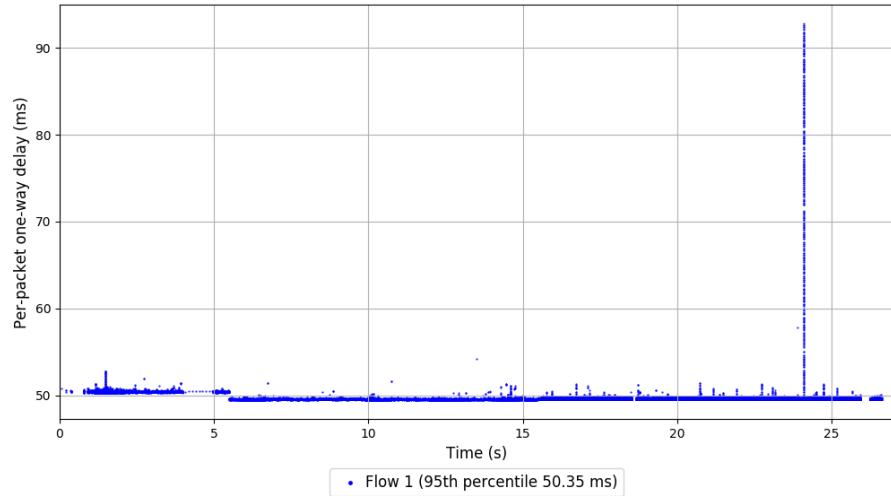
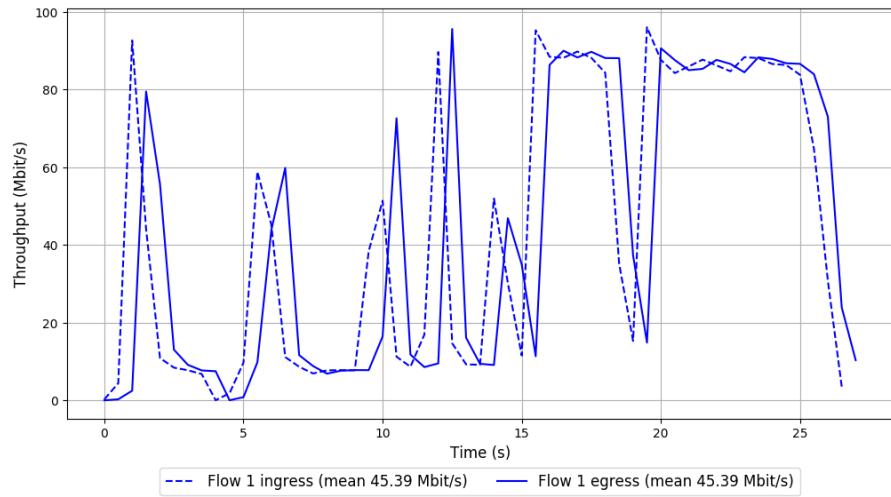


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-06-07 00:16:59
End at: 2018-06-07 00:17:29
Local clock offset: -0.031 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 50.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 50.347 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

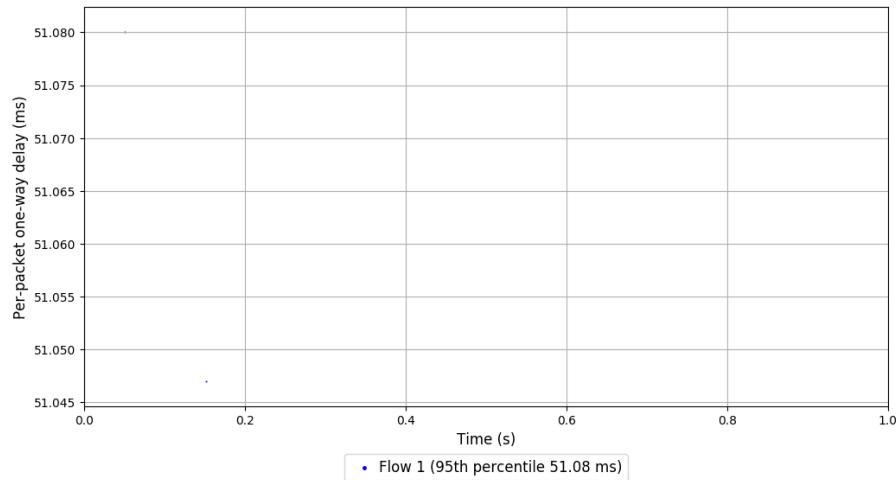
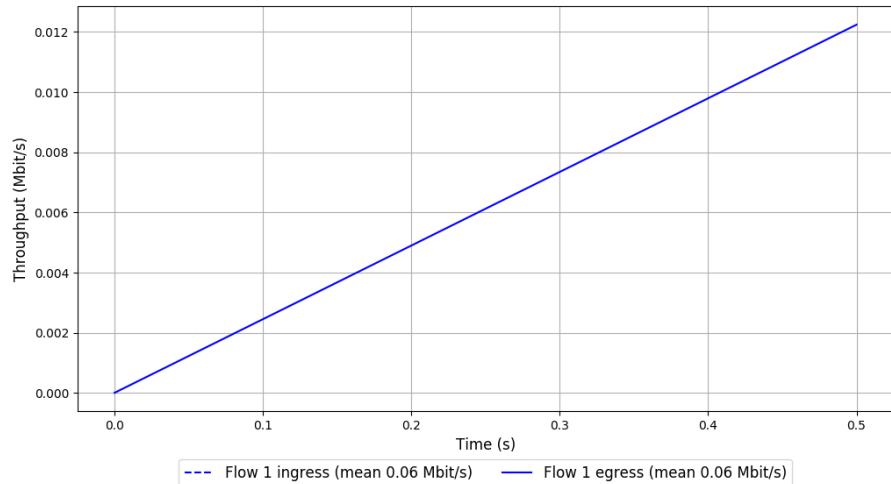
Start at: 2018-06-07 00:37:16

End at: 2018-06-07 00:37:46

Local clock offset: -0.417 ms

Remote clock offset: -0.08 ms

Run 2: Report of QUIC Cubic — Data Link

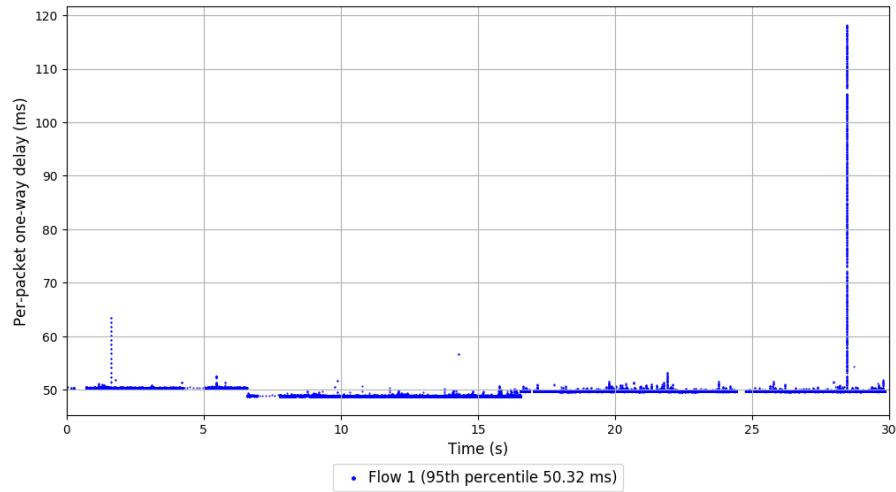
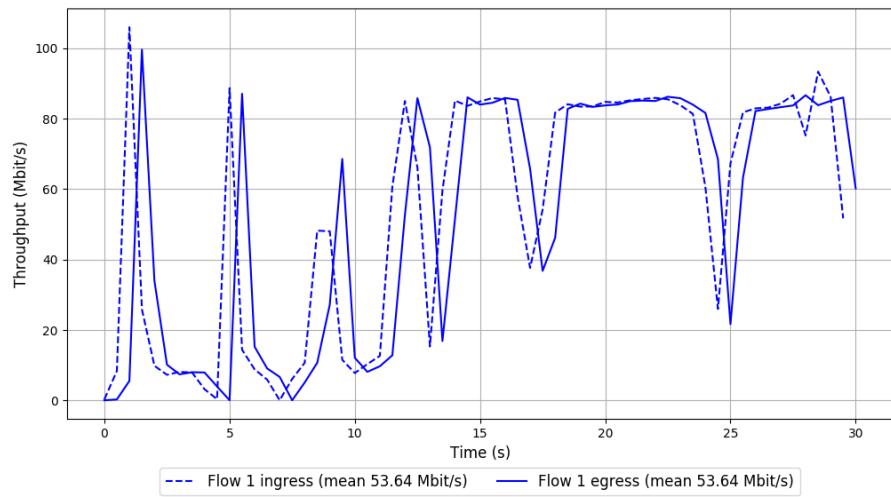


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-07 00:57:31
End at: 2018-06-07 00:58:01
Local clock offset: -0.02 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 50.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 50.318 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

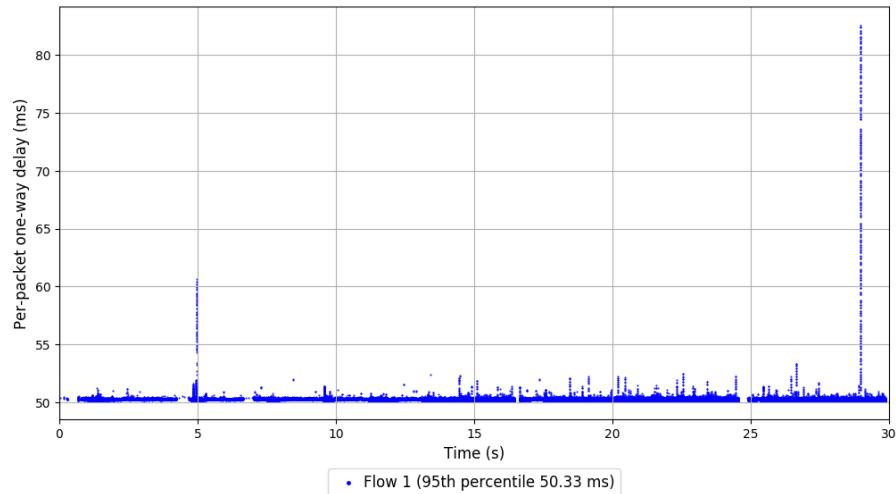
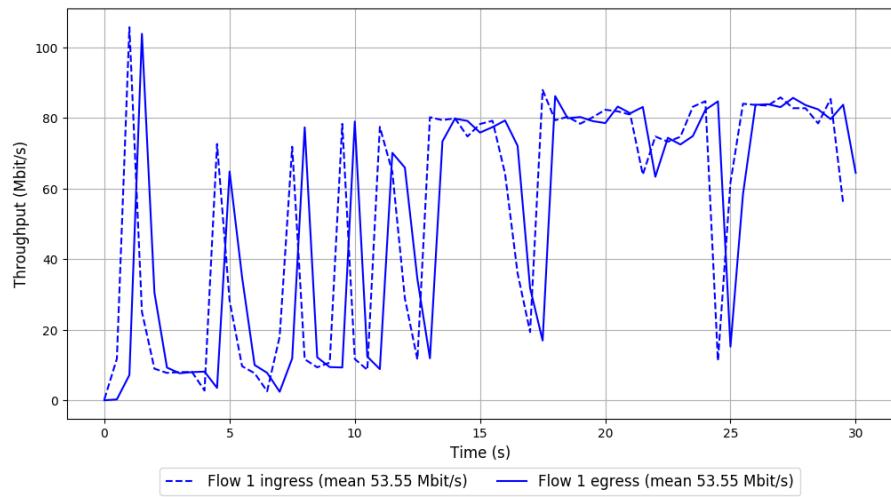


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-07 01:18:02
End at: 2018-06-07 01:18:32
Local clock offset: 0.073 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 50.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 50.325 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

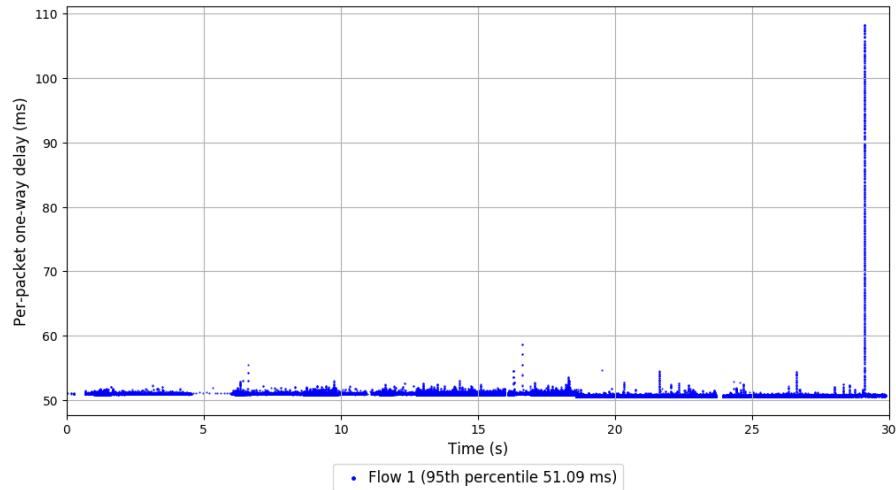
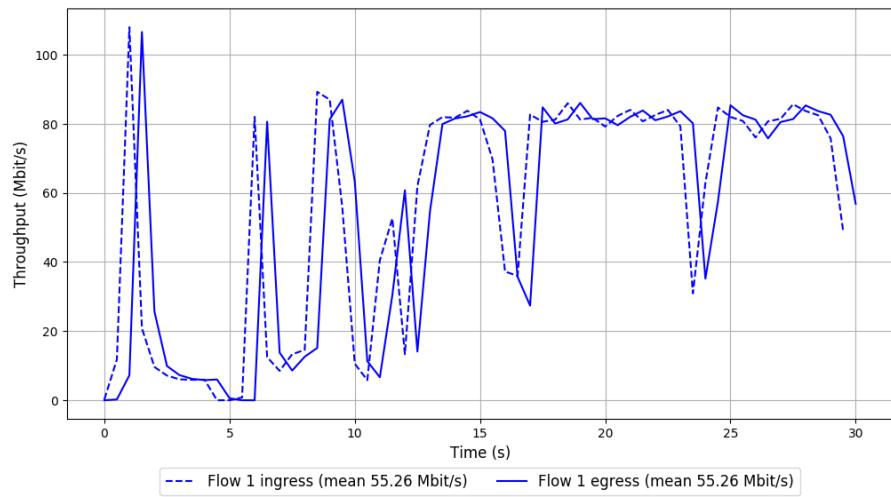


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-07 01:38:28
End at: 2018-06-07 01:38:58
Local clock offset: -0.115 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 51.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 51.091 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

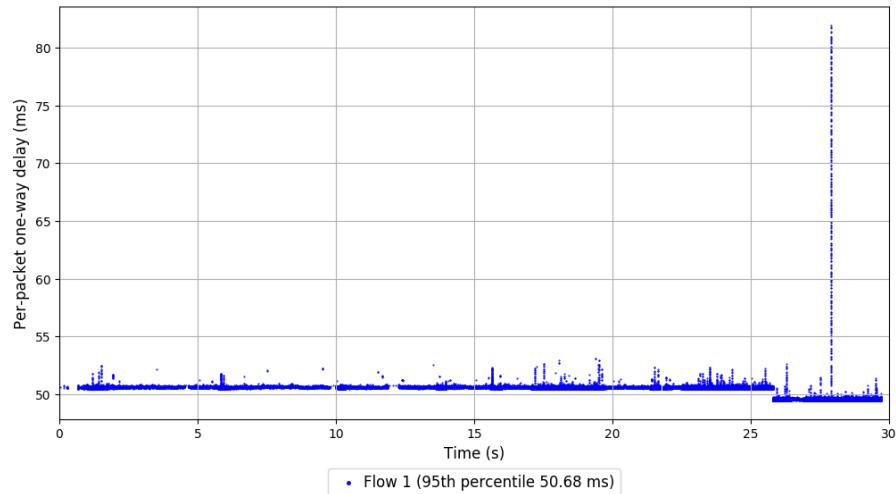
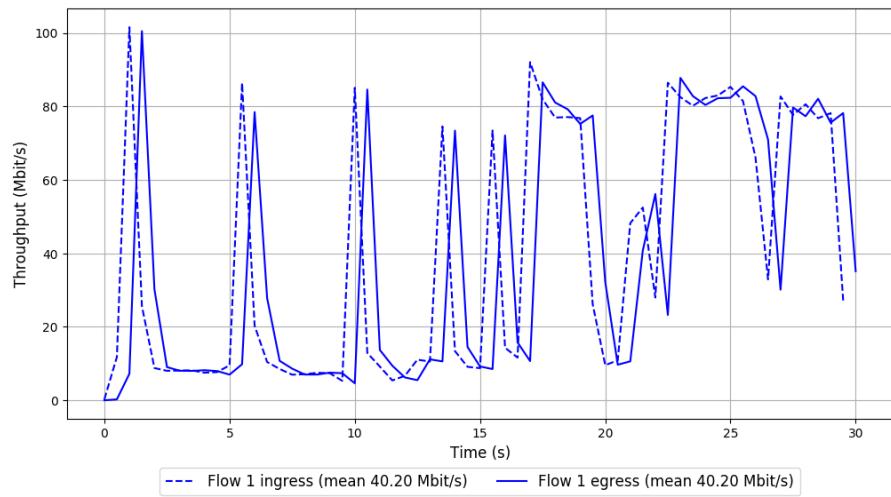


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-07 01:58:51
End at: 2018-06-07 01:59:21
Local clock offset: -0.093 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 50.677 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 50.677 ms
Loss rate: 0.01%
```

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

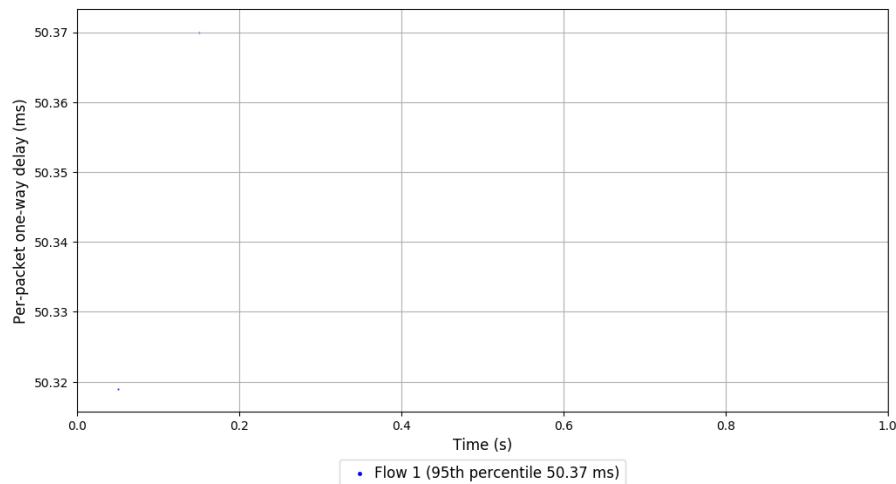
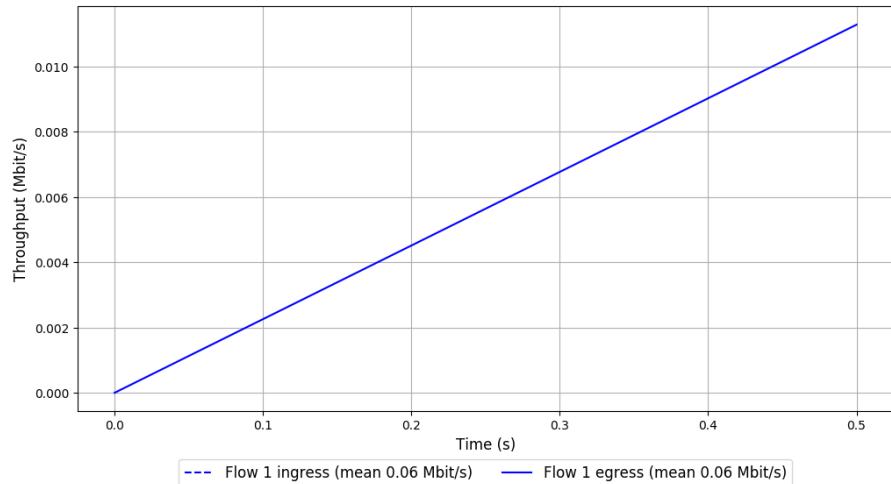
Start at: 2018-06-07 02:19:22

End at: 2018-06-07 02:19:52

Local clock offset: -0.002 ms

Remote clock offset: -0.033 ms

Run 7: Report of QUIC Cubic — Data Link

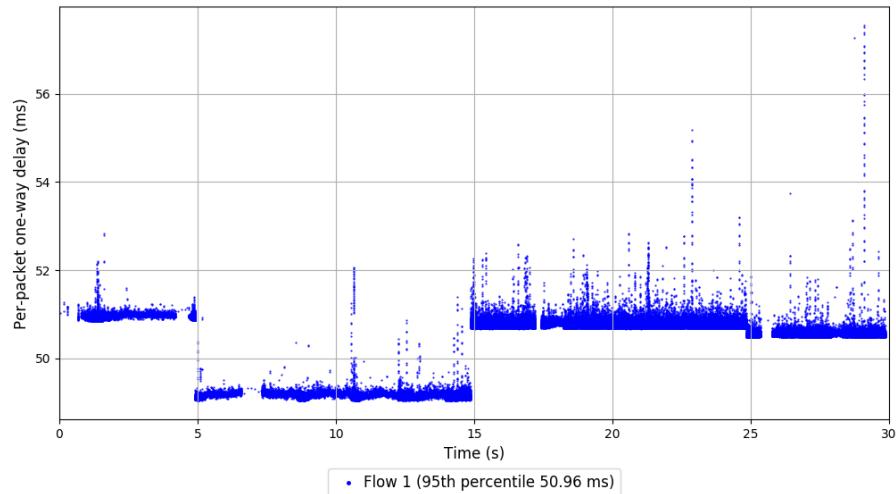
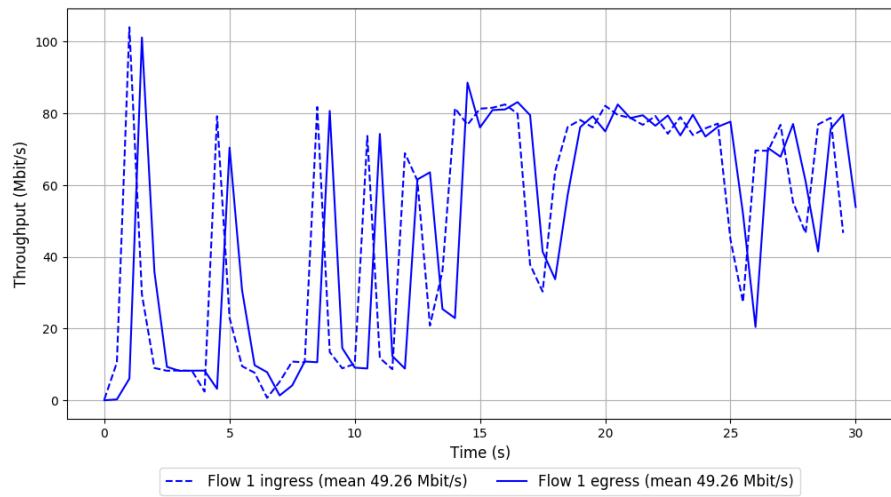


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-07 02:39:32
End at: 2018-06-07 02:40:02
Local clock offset: -0.351 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 50.964 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 50.964 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

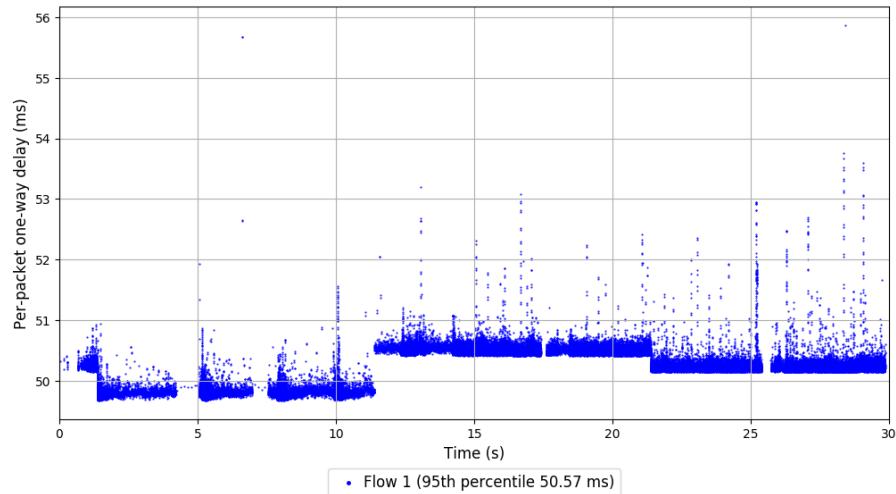
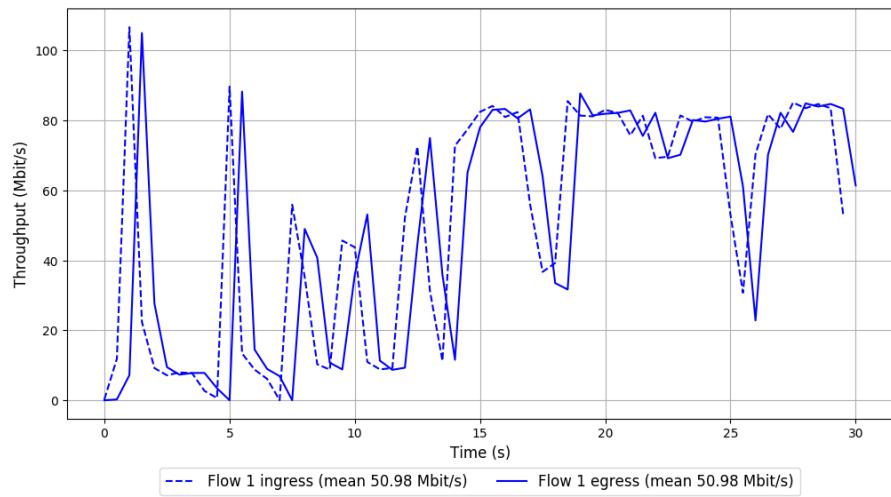


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-07 02:59:56
End at: 2018-06-07 03:00:26
Local clock offset: 0.043 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 50.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 50.571 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

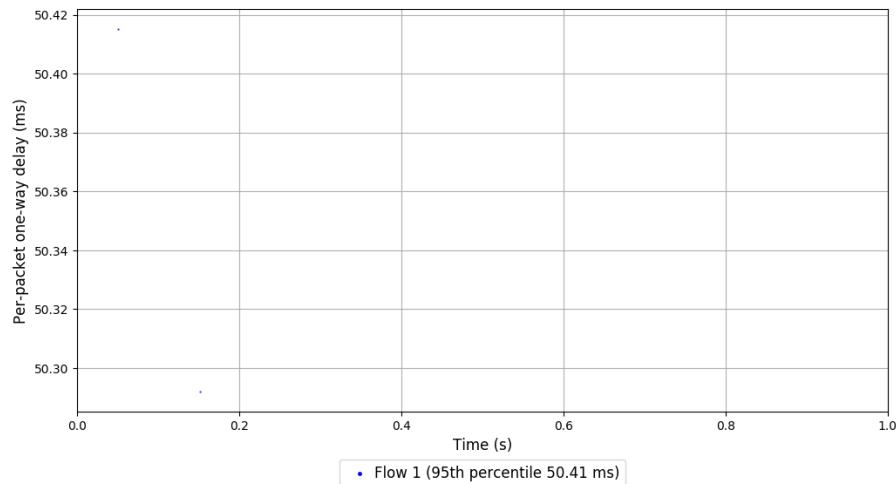
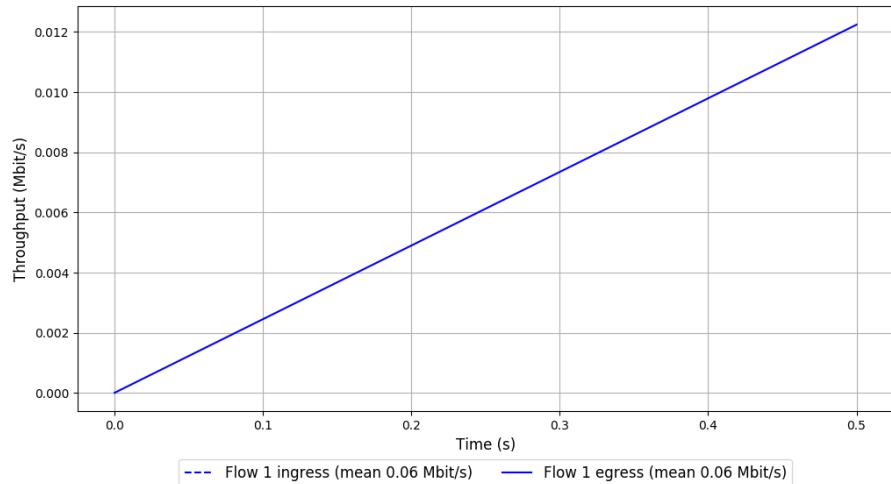
Start at: 2018-06-07 03:20:14

End at: 2018-06-07 03:20:44

Local clock offset: -0.015 ms

Remote clock offset: -0.02 ms

Run 10: Report of QUIC Cubic — Data Link

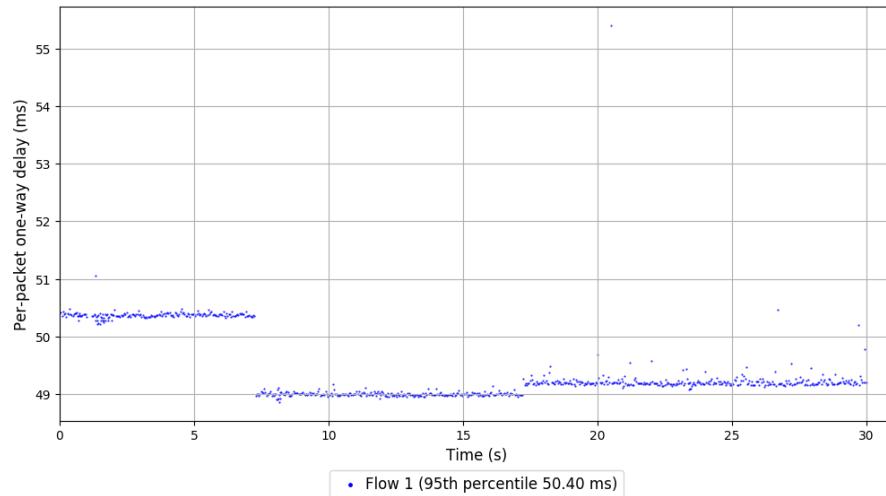
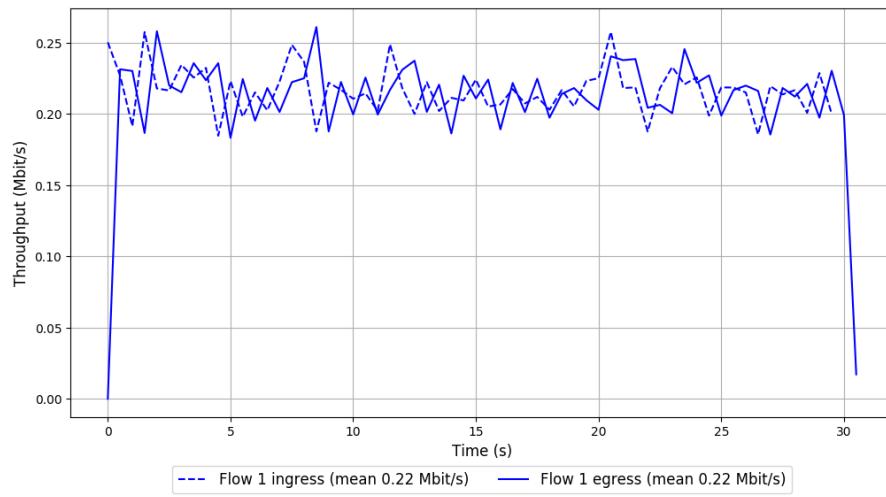


```
Run 1: Statistics of SCReAM

Start at: 2018-06-07 00:08:00
End at: 2018-06-07 00:08:30
Local clock offset: -0.021 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.396 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

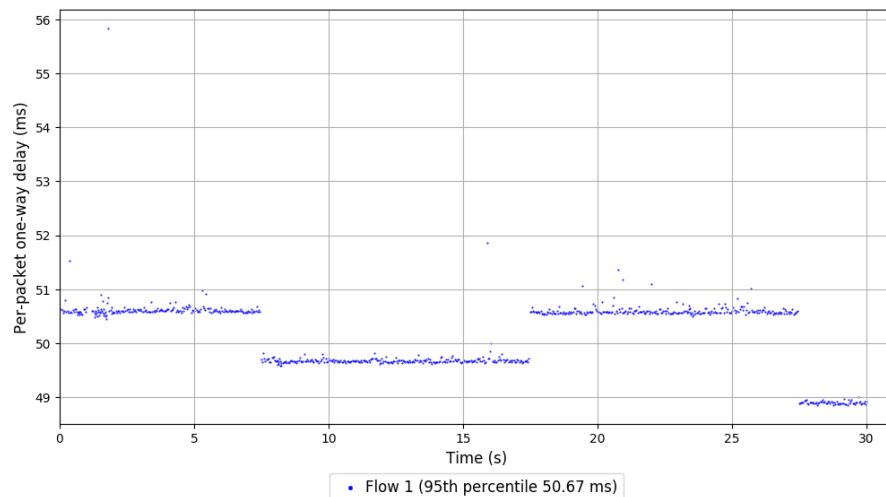
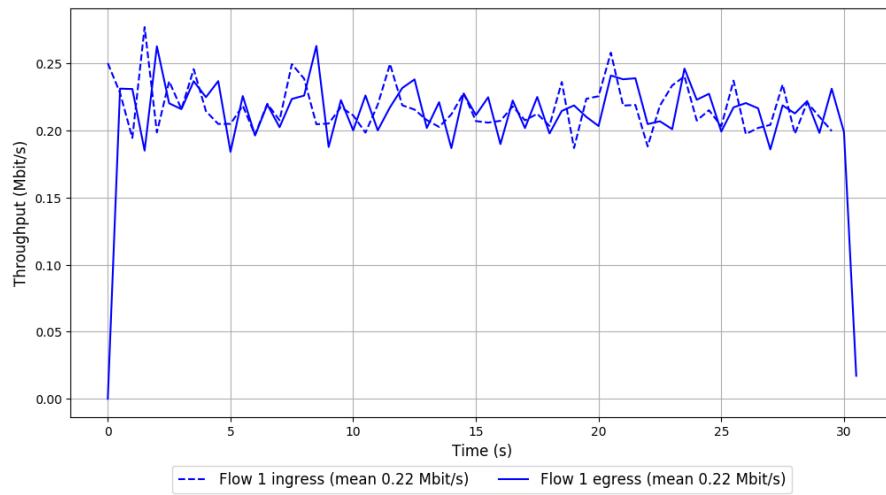


Run 2: Statistics of SCReAM

```
Start at: 2018-06-07 00:28:20
End at: 2018-06-07 00:28:50
Local clock offset: -0.016 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.672 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

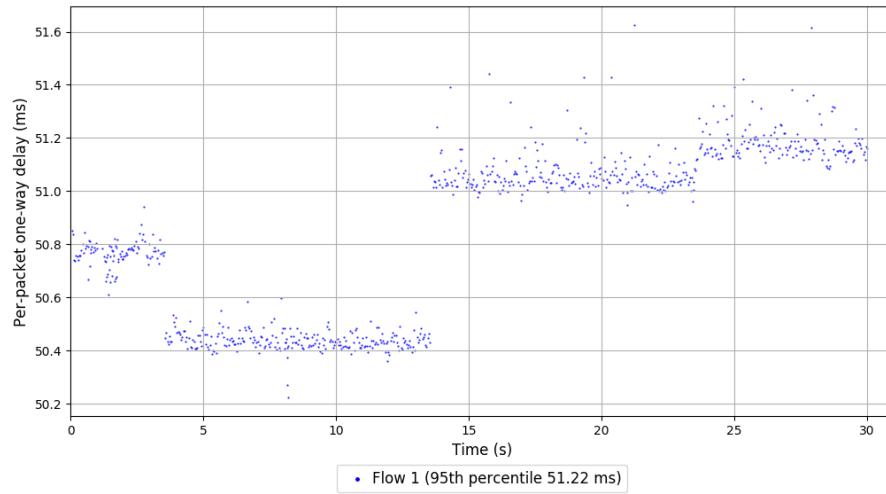
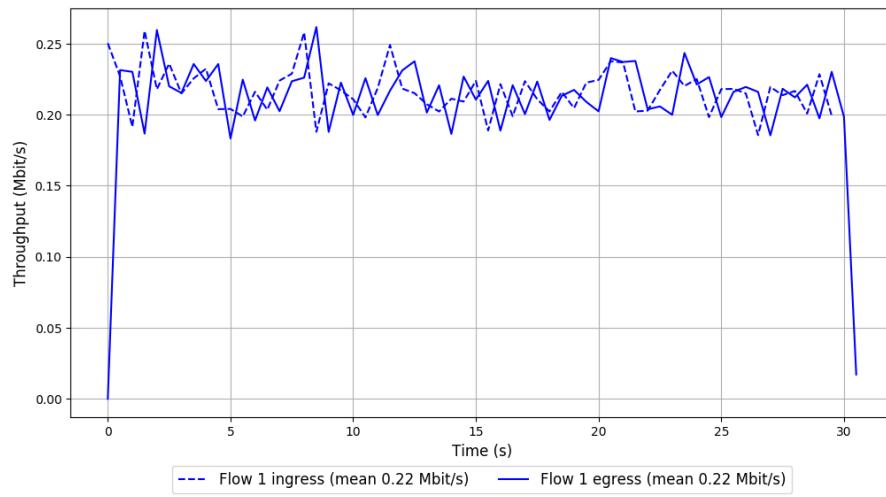


Run 3: Statistics of SCReAM

```
Start at: 2018-06-07 00:48:24
End at: 2018-06-07 00:48:54
Local clock offset: -0.052 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.218 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

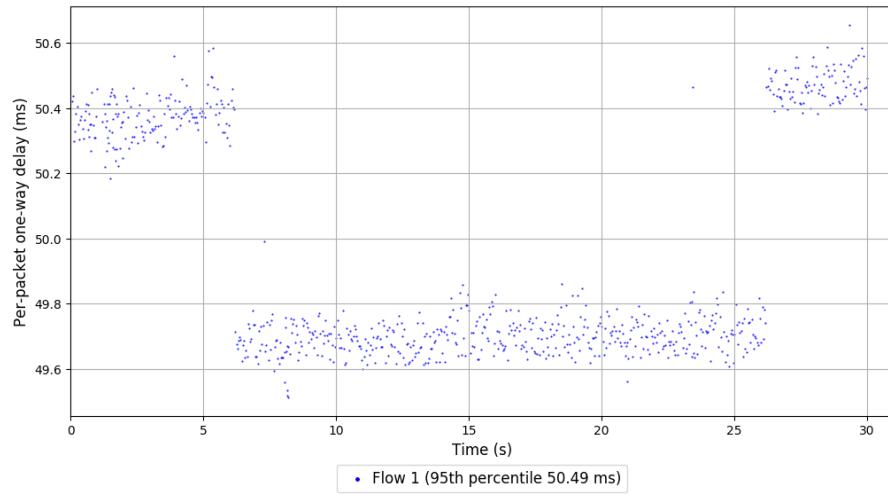
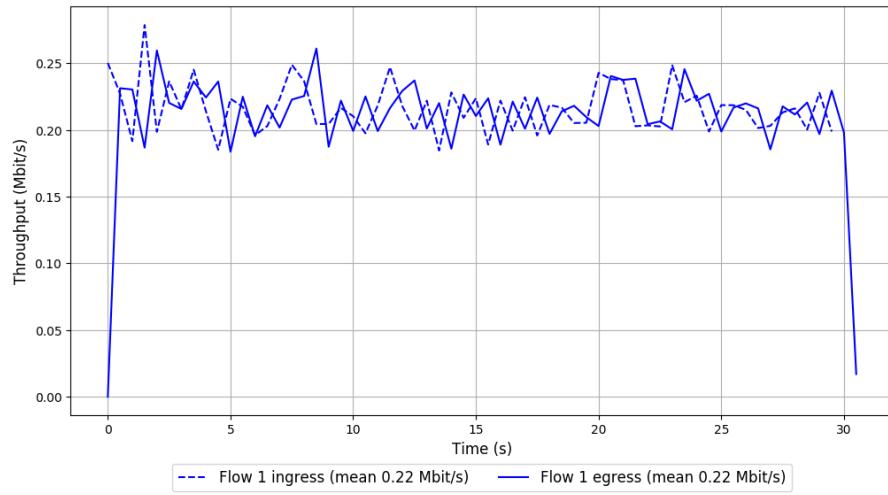


Run 4: Statistics of SCReAM

```
Start at: 2018-06-07 01:08:51
End at: 2018-06-07 01:09:21
Local clock offset: 0.019 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.488 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

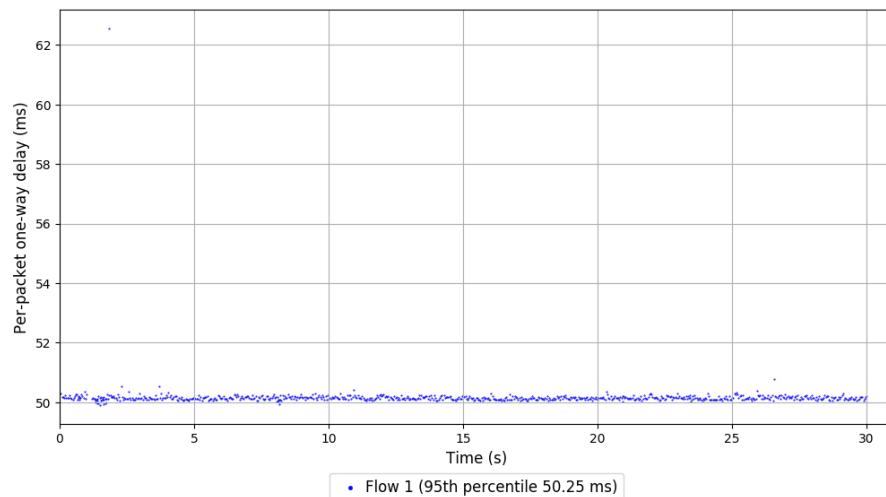
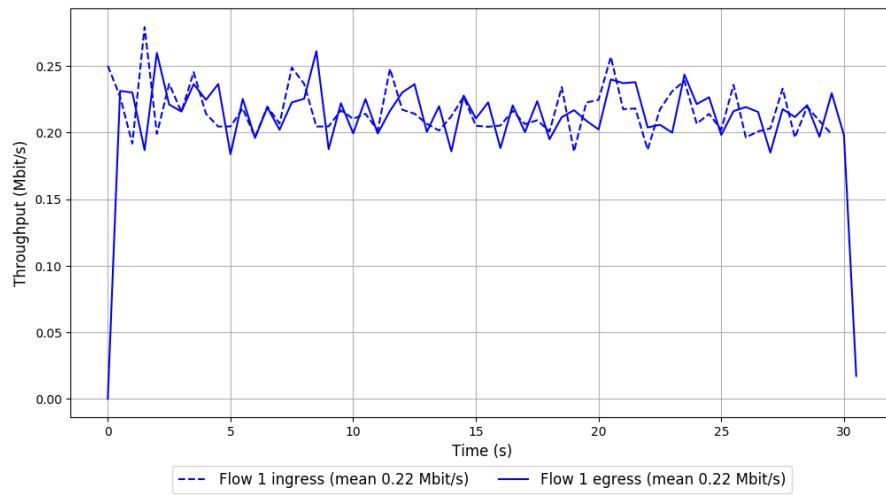


Run 5: Statistics of SCReAM

```
Start at: 2018-06-07 01:29:29
End at: 2018-06-07 01:29:59
Local clock offset: 0.337 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.250 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

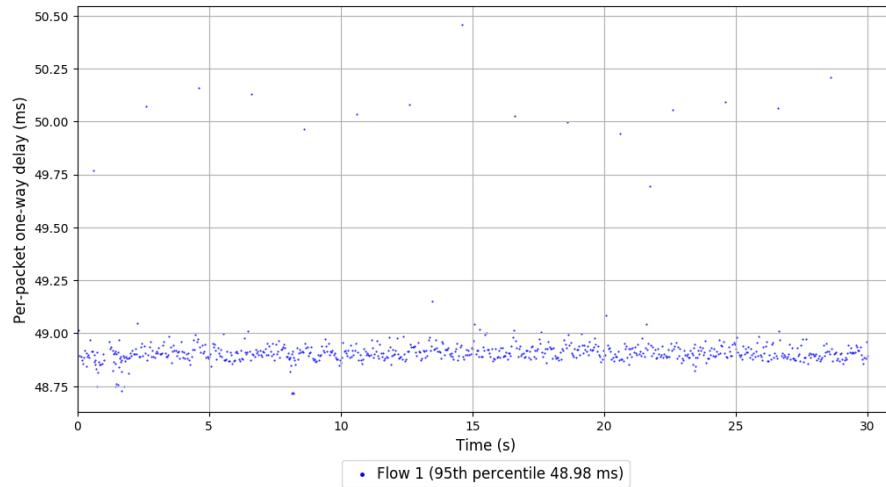
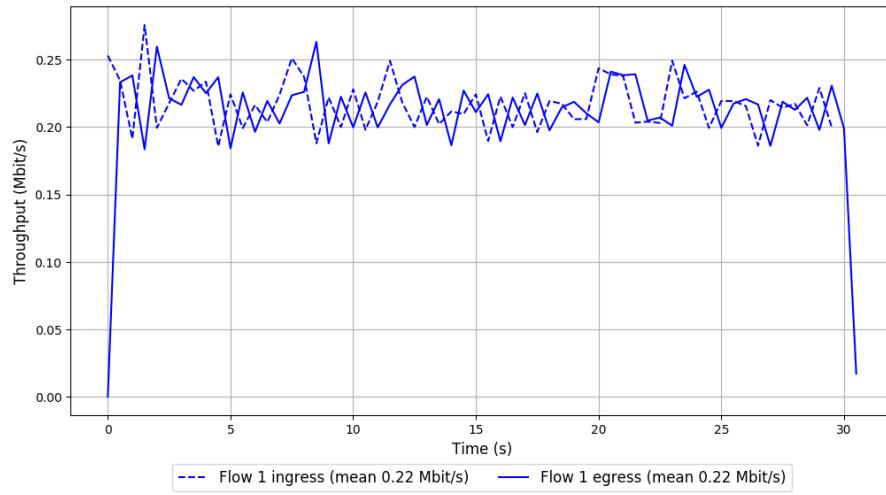


Run 6: Statistics of SCReAM

```
Start at: 2018-06-07 01:49:48
End at: 2018-06-07 01:50:18
Local clock offset: -0.075 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.980 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.980 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

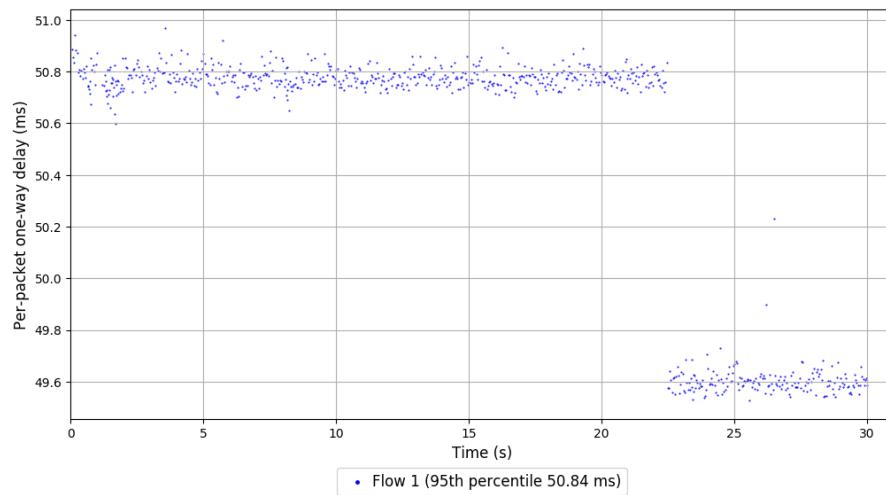
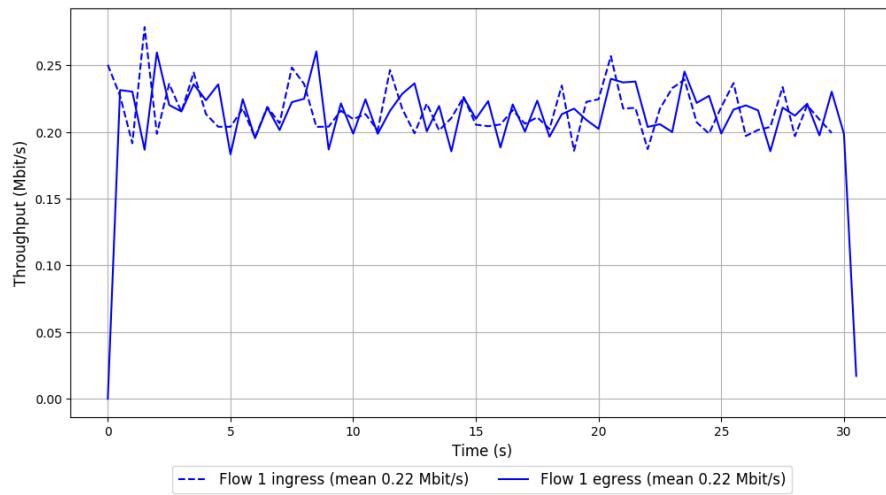


Run 7: Statistics of SCReAM

```
Start at: 2018-06-07 02:10:15
End at: 2018-06-07 02:10:45
Local clock offset: 0.097 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.842 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

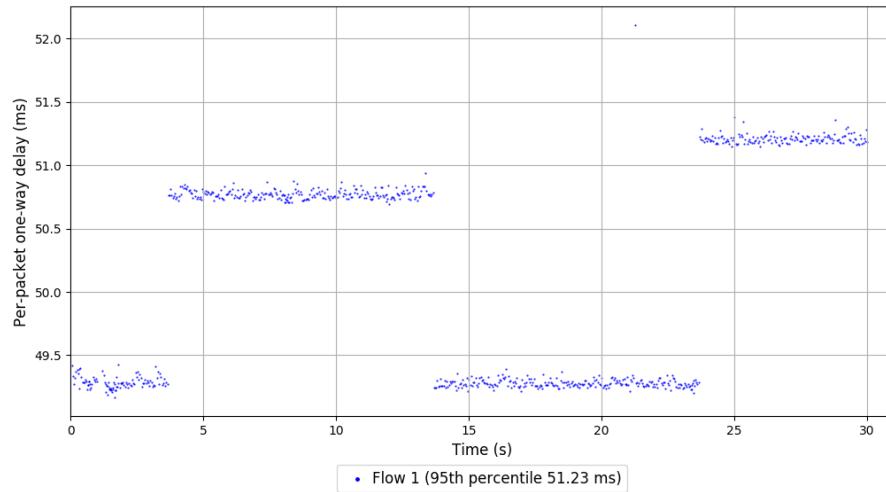
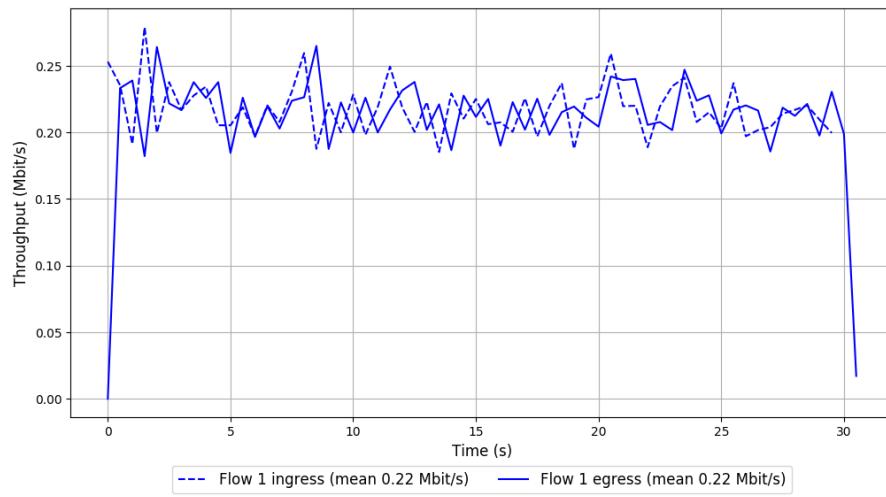


Run 8: Statistics of SCReAM

```
Start at: 2018-06-07 02:30:43
End at: 2018-06-07 02:31:13
Local clock offset: -0.331 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.225 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

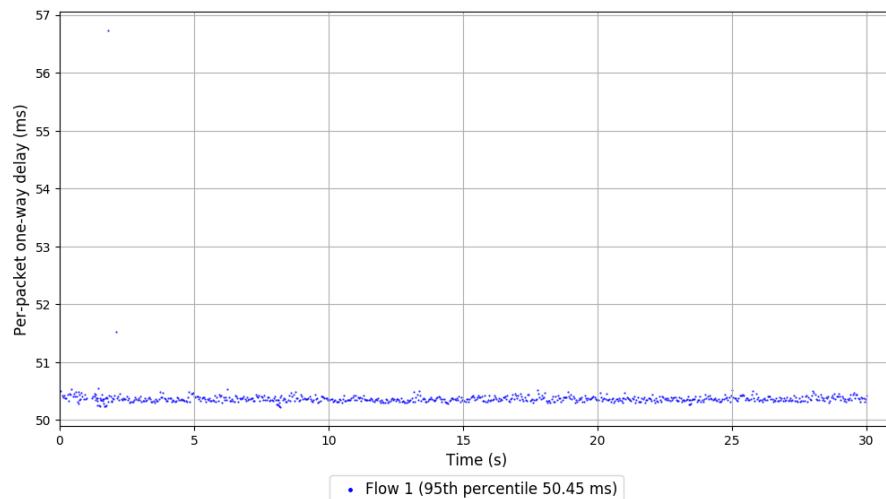
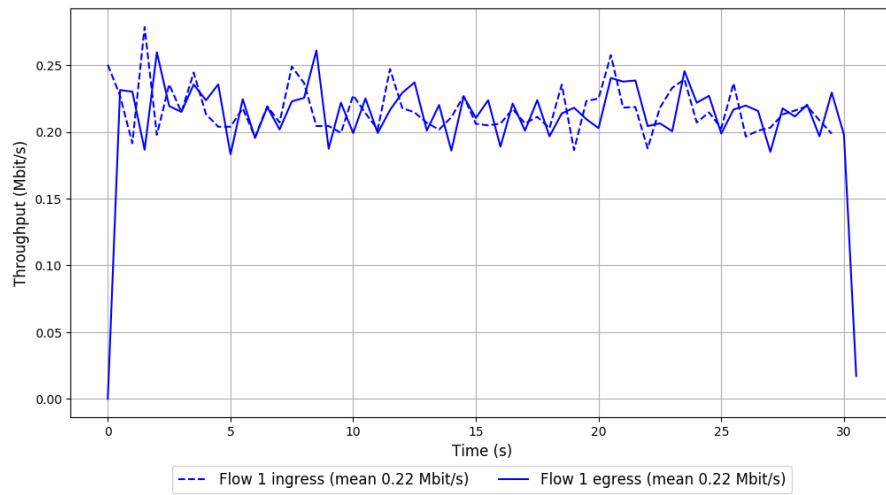


Run 9: Statistics of SCReAM

```
Start at: 2018-06-07 02:50:54
End at: 2018-06-07 02:51:24
Local clock offset: -0.003 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.450 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

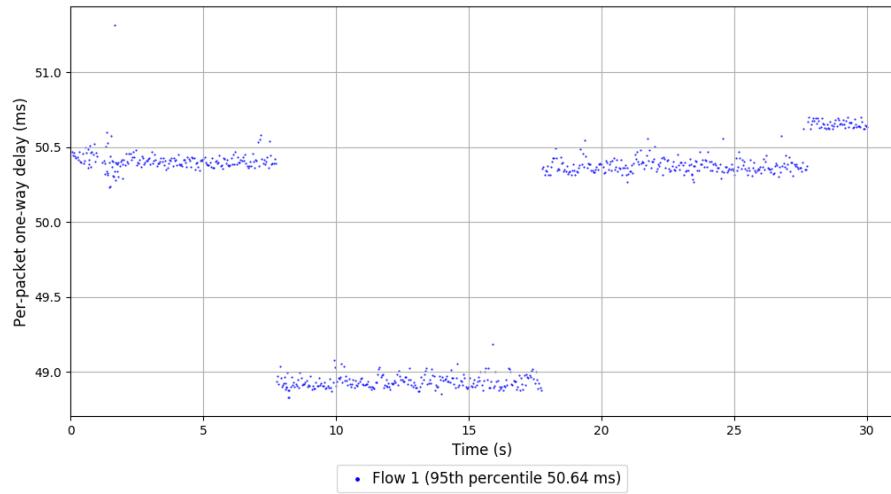
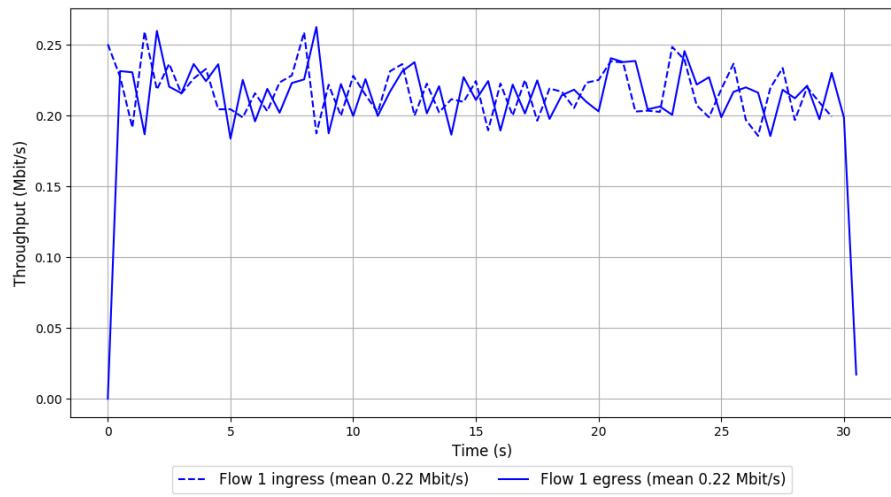


Run 10: Statistics of SCReAM

```
Start at: 2018-06-07 03:11:19
End at: 2018-06-07 03:11:49
Local clock offset: -0.018 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.638 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

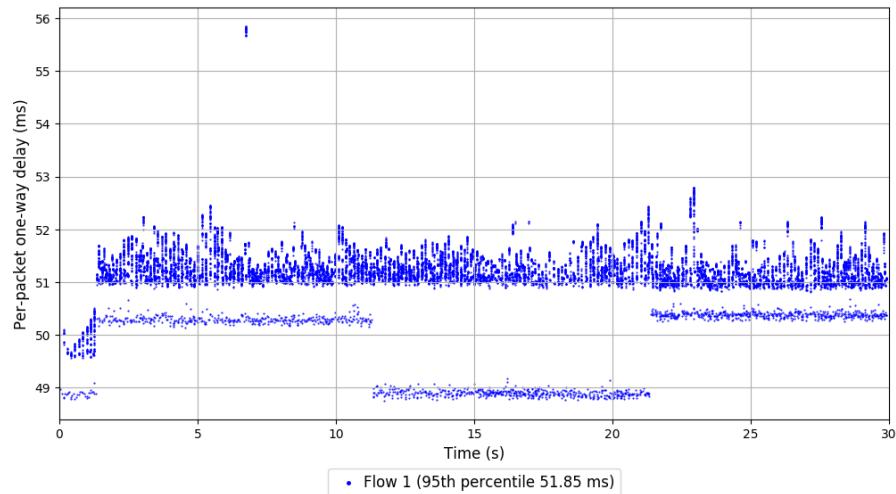
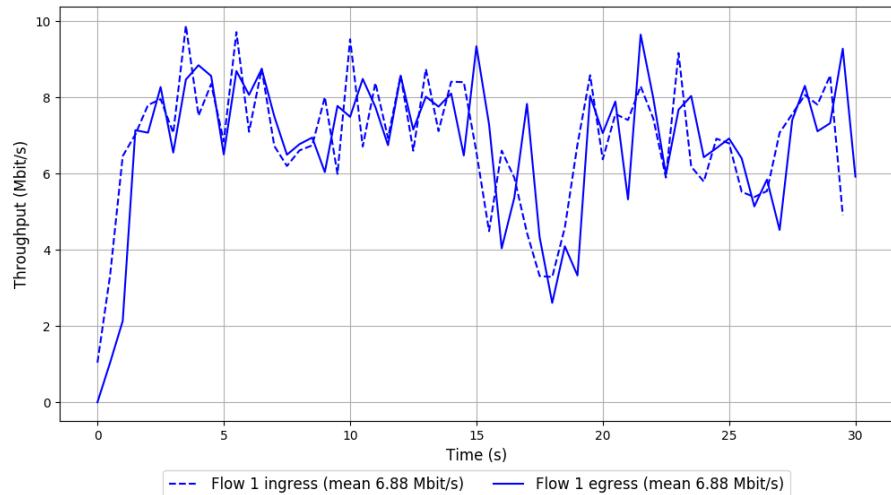


Run 1: Statistics of Sprout

```
Start at: 2018-06-07 00:18:06
End at: 2018-06-07 00:18:36
Local clock offset: -0.038 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 51.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 51.853 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

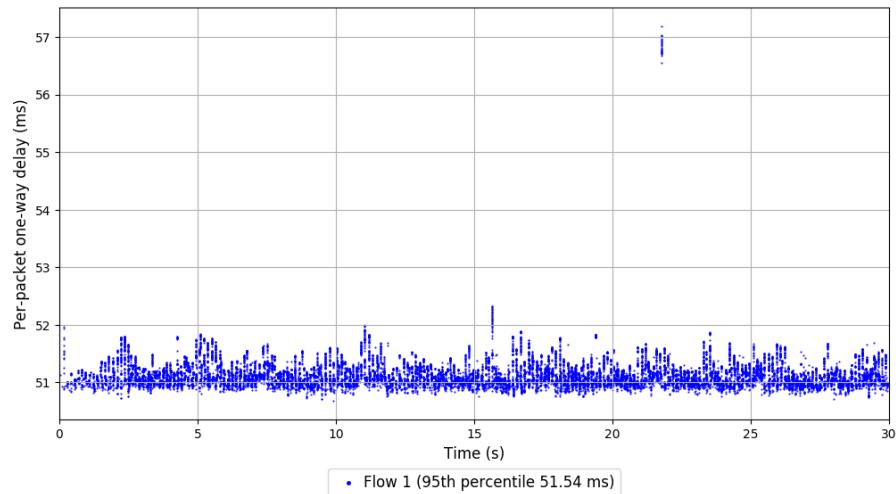
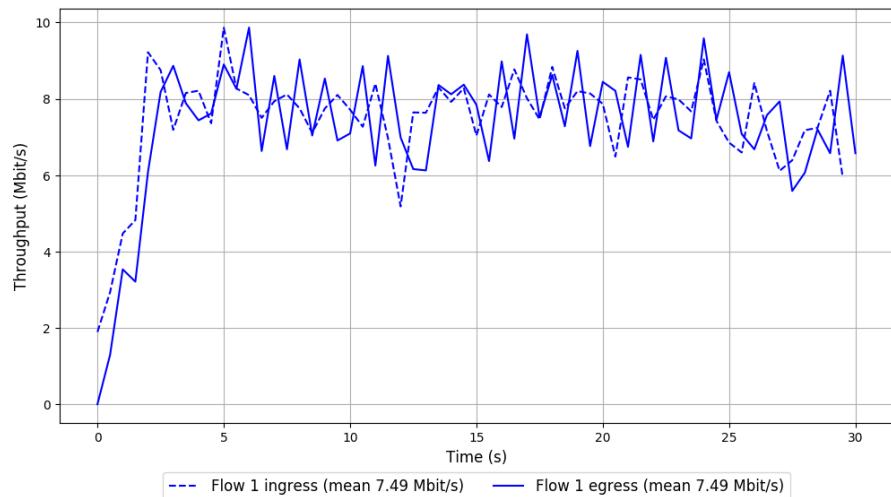


Run 2: Statistics of Sprout

```
Start at: 2018-06-07 00:38:21
End at: 2018-06-07 00:38:51
Local clock offset: -0.083 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-06-07 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 51.538 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.49 Mbit/s
95th percentile per-packet one-way delay: 51.538 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

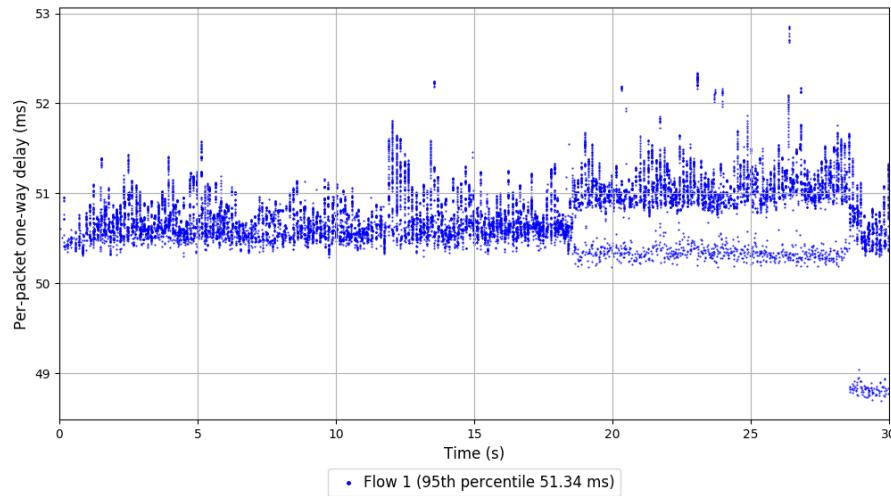
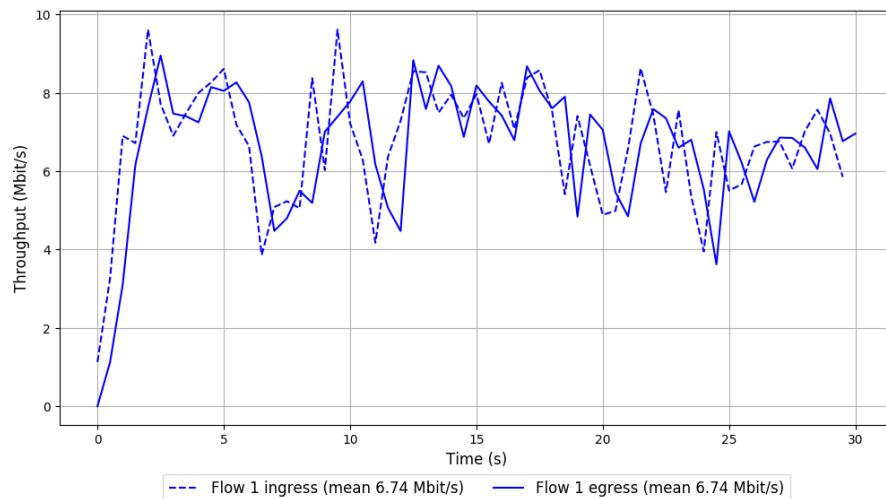


Run 3: Statistics of Sprout

```
Start at: 2018-06-07 00:58:39
End at: 2018-06-07 00:59:09
Local clock offset: -0.016 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-07 04:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 51.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 51.344 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

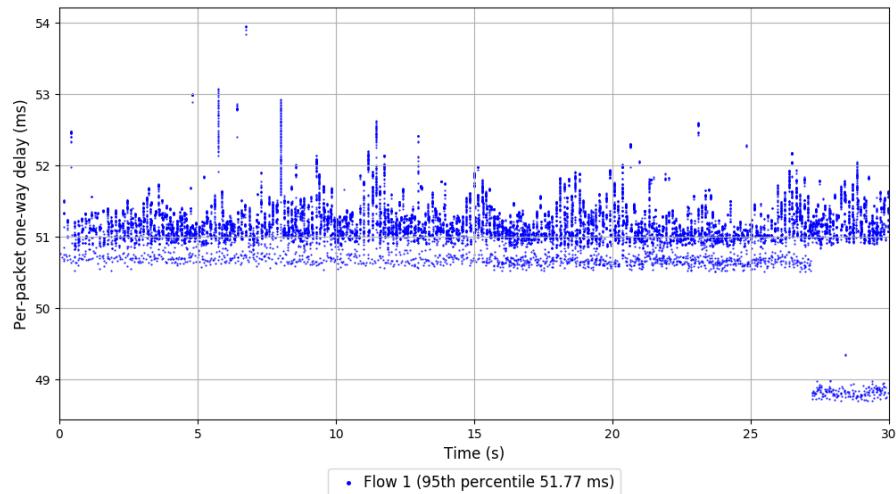
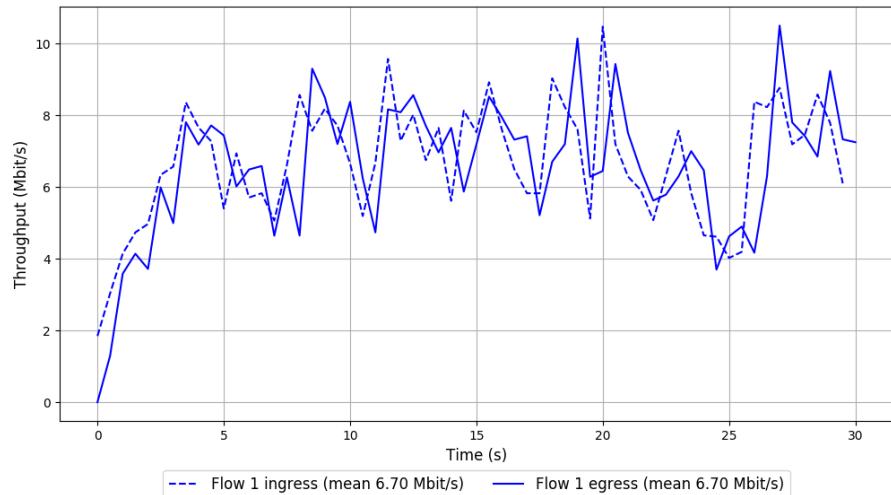


Run 4: Statistics of Sprout

```
Start at: 2018-06-07 01:19:10
End at: 2018-06-07 01:19:40
Local clock offset: 0.009 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-07 04:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 51.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.70 Mbit/s
95th percentile per-packet one-way delay: 51.772 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

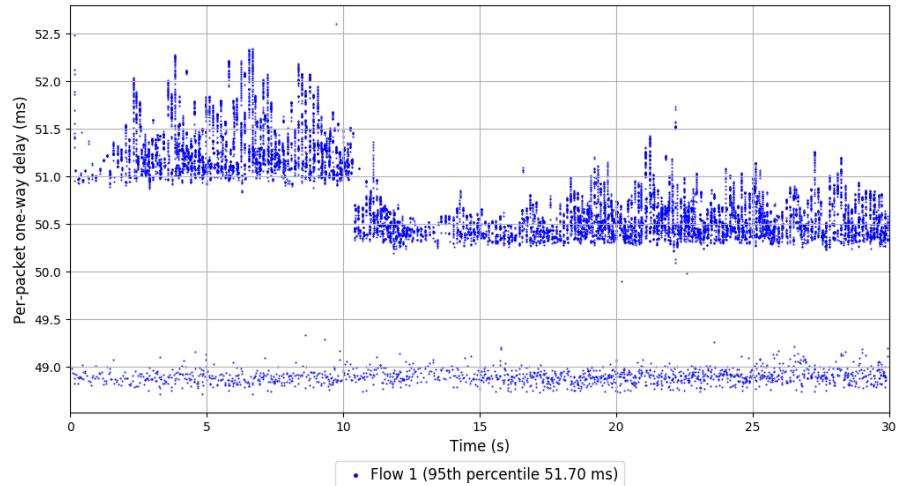
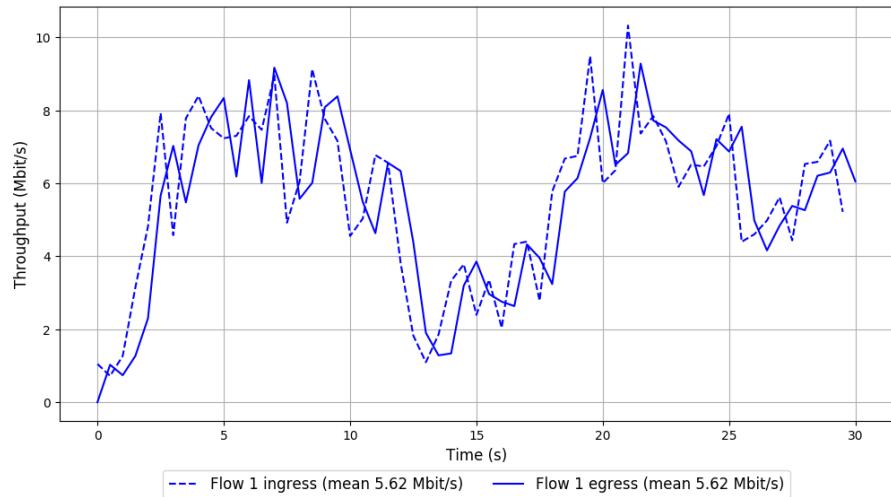


Run 5: Statistics of Sprout

```
Start at: 2018-06-07 01:39:37
End at: 2018-06-07 01:40:07
Local clock offset: -0.07 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-06-07 04:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 51.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 51.705 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

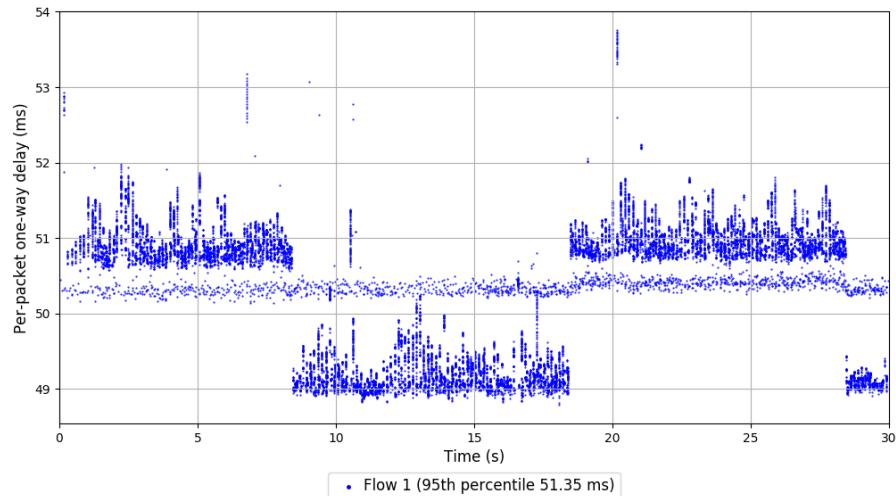
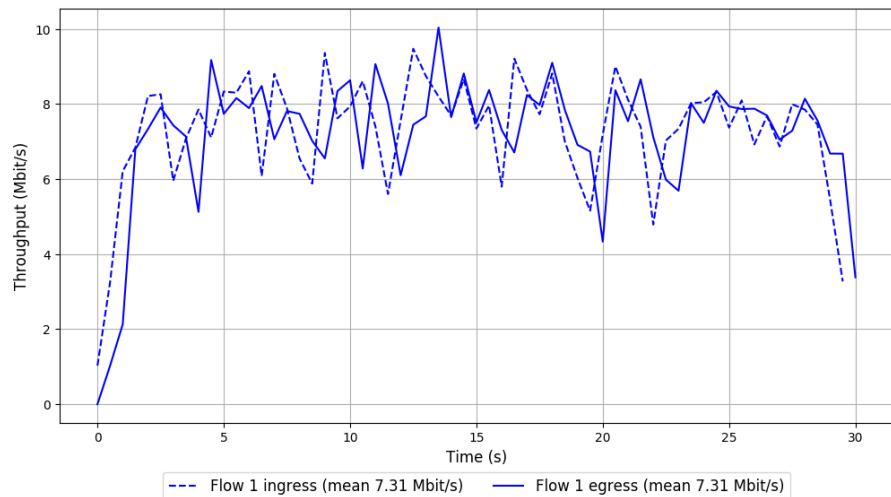


Run 6: Statistics of Sprout

```
Start at: 2018-06-07 01:59:59
End at: 2018-06-07 02:00:29
Local clock offset: -0.061 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-06-07 04:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 51.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 51.349 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

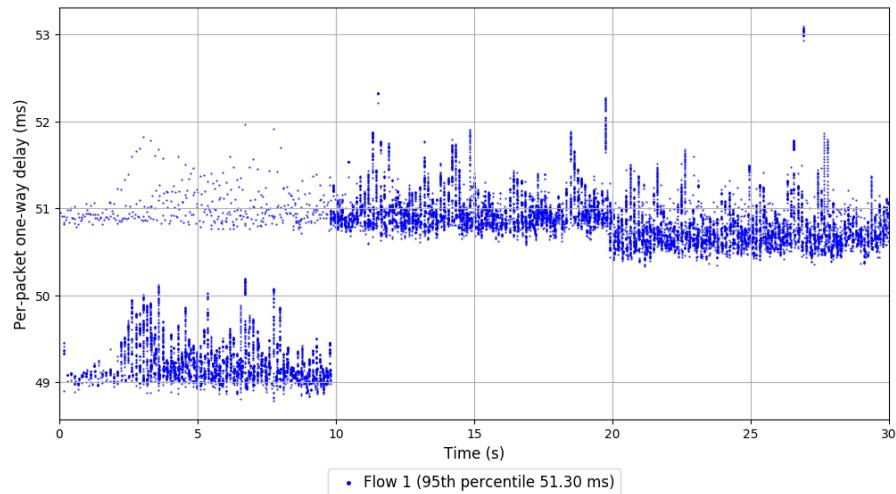
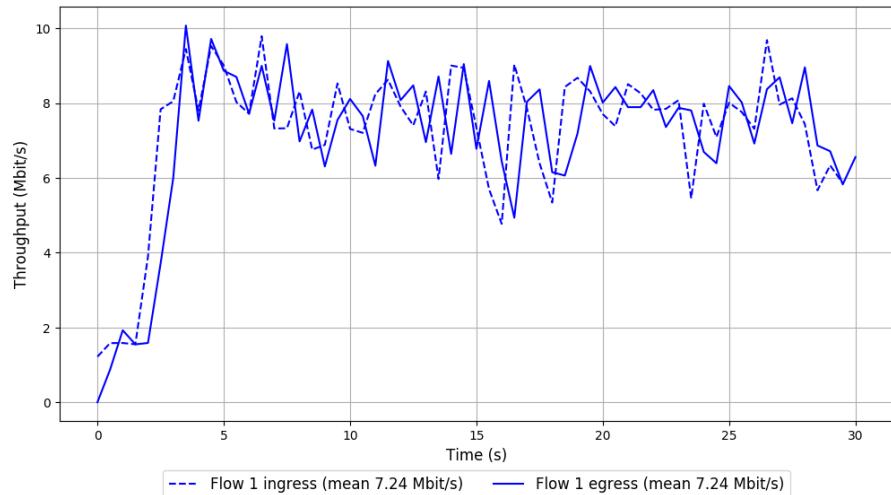


Run 7: Statistics of Sprout

```
Start at: 2018-06-07 02:20:27
End at: 2018-06-07 02:20:57
Local clock offset: 0.014 ms
Remote clock offset: 0.018 ms

# Below is generated by plot.py at 2018-06-07 04:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 51.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 51.302 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

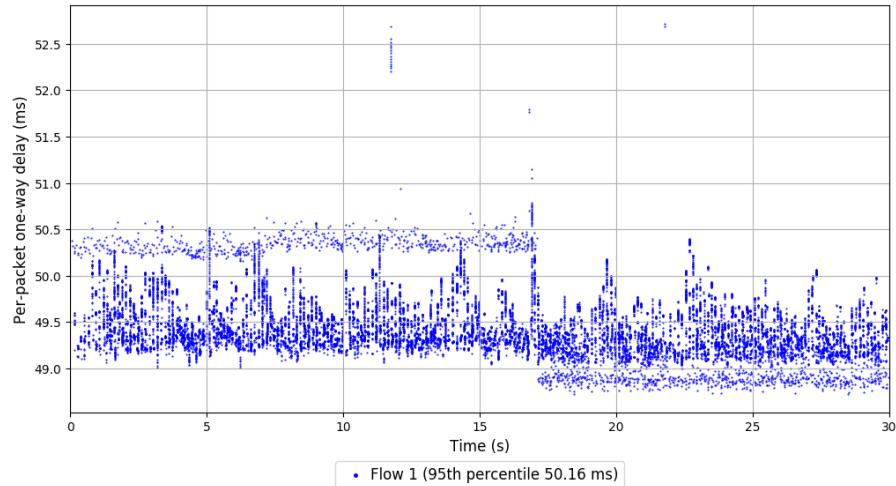
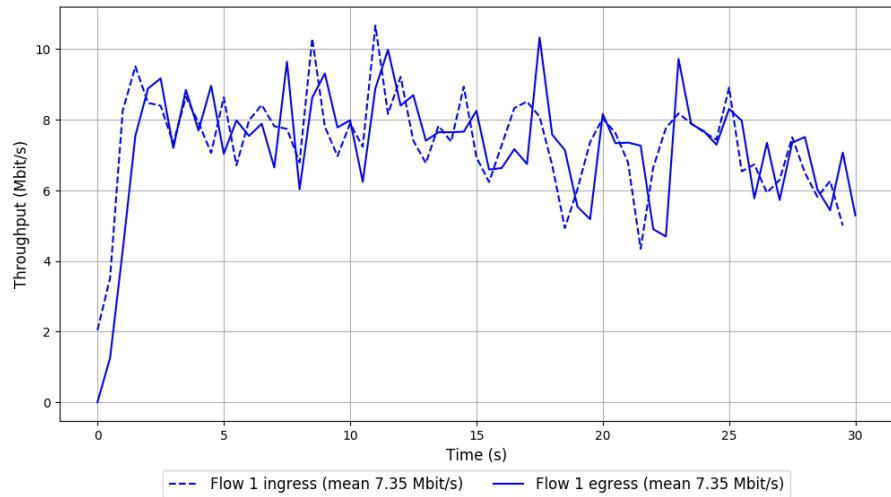


Run 8: Statistics of Sprout

```
Start at: 2018-06-07 02:40:40
End at: 2018-06-07 02:41:10
Local clock offset: -0.014 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at 2018-06-07 04:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 50.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 50.163 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

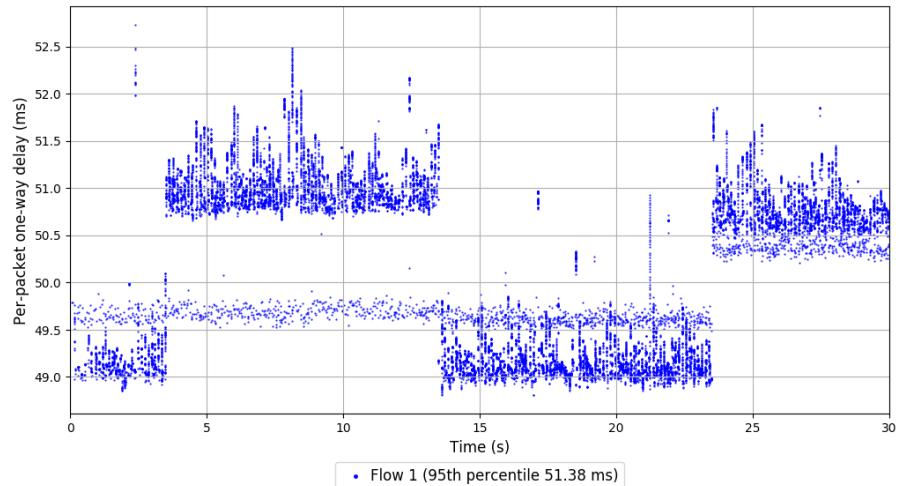
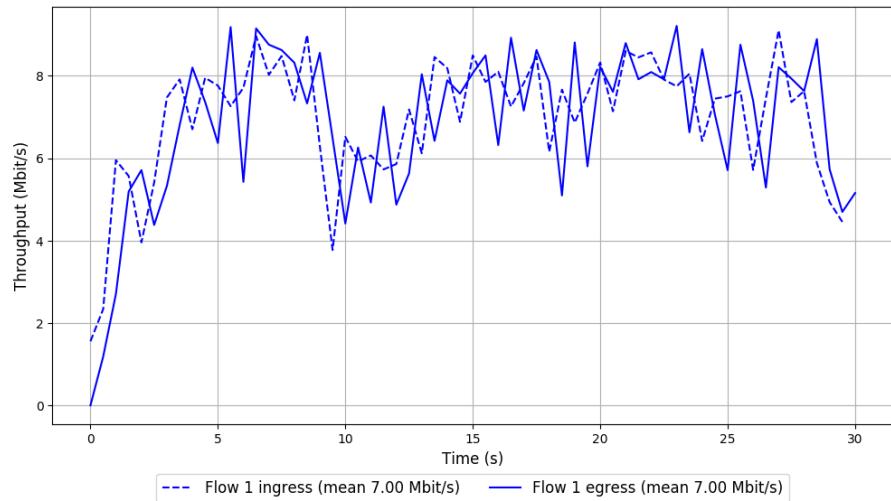


Run 9: Statistics of Sprout

```
Start at: 2018-06-07 03:01:04
End at: 2018-06-07 03:01:34
Local clock offset: -0.009 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-06-07 04:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 51.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 51.378 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

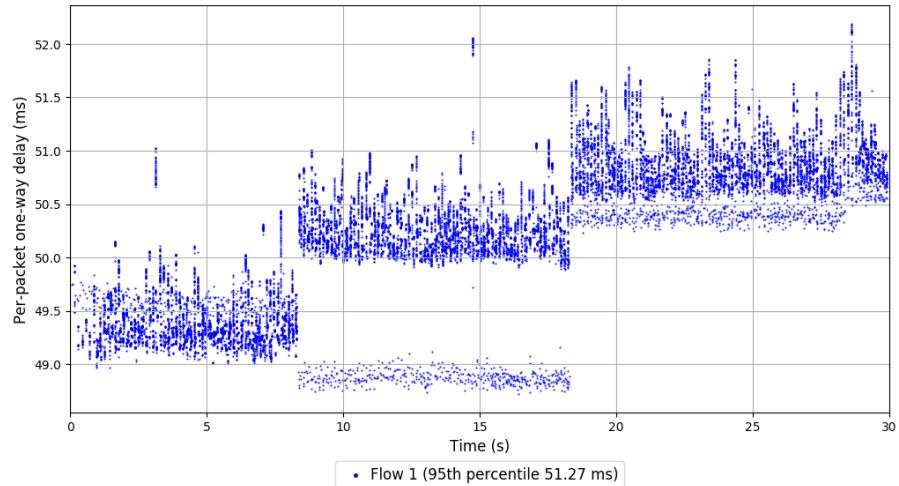
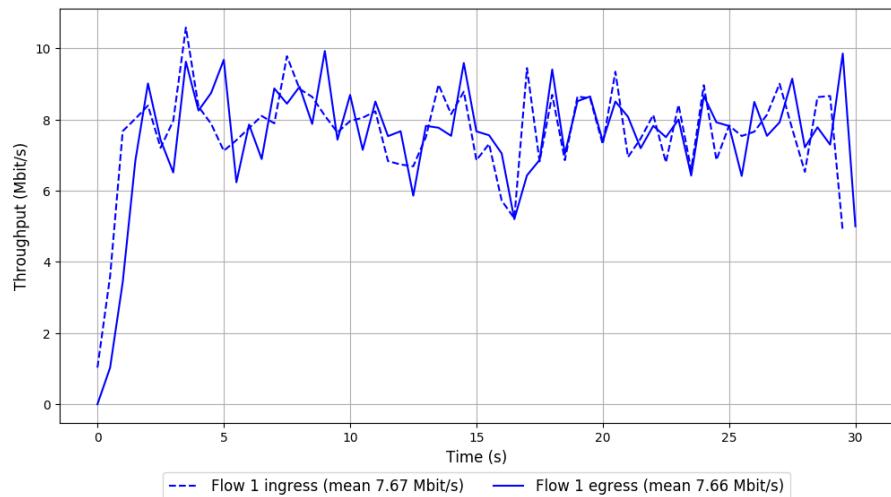


Run 10: Statistics of Sprout

```
Start at: 2018-06-07 03:21:19
End at: 2018-06-07 03:21:49
Local clock offset: 0.006 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-06-07 04:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 51.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 51.269 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

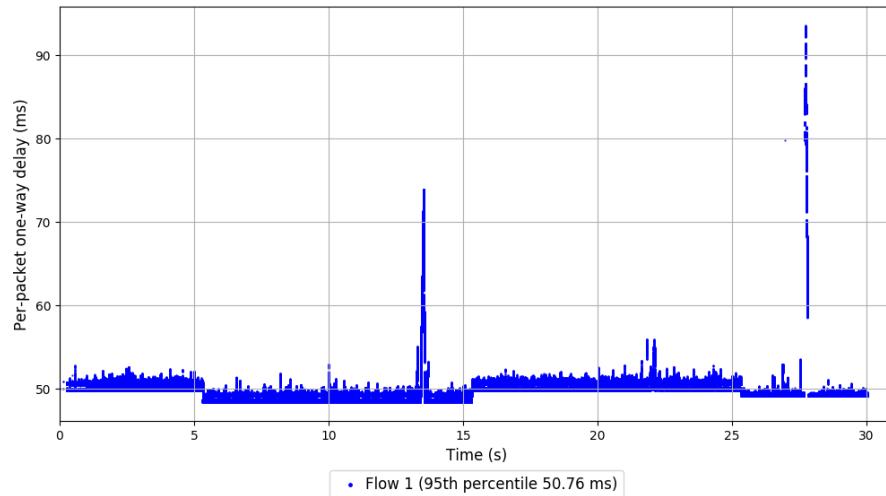
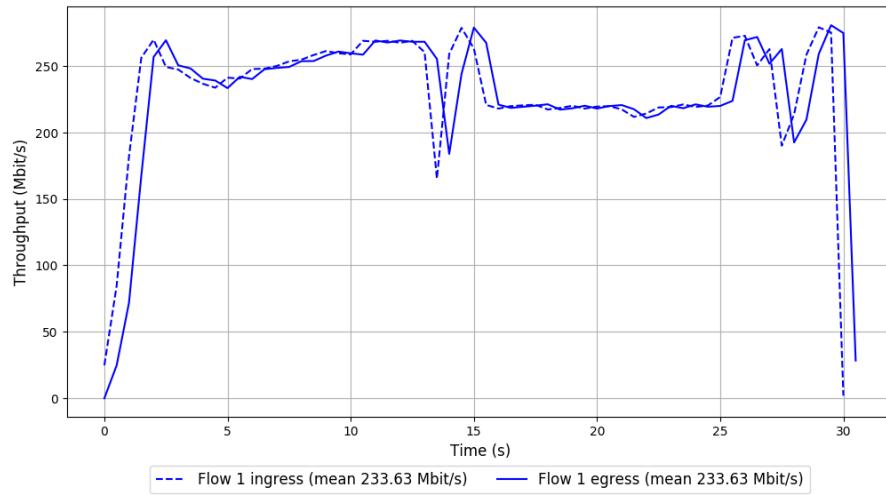


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-07 00:19:12
End at: 2018-06-07 00:19:42
Local clock offset: 0.316 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-06-07 04:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.63 Mbit/s
95th percentile per-packet one-way delay: 50.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.63 Mbit/s
95th percentile per-packet one-way delay: 50.757 ms
Loss rate: 0.00%
```

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

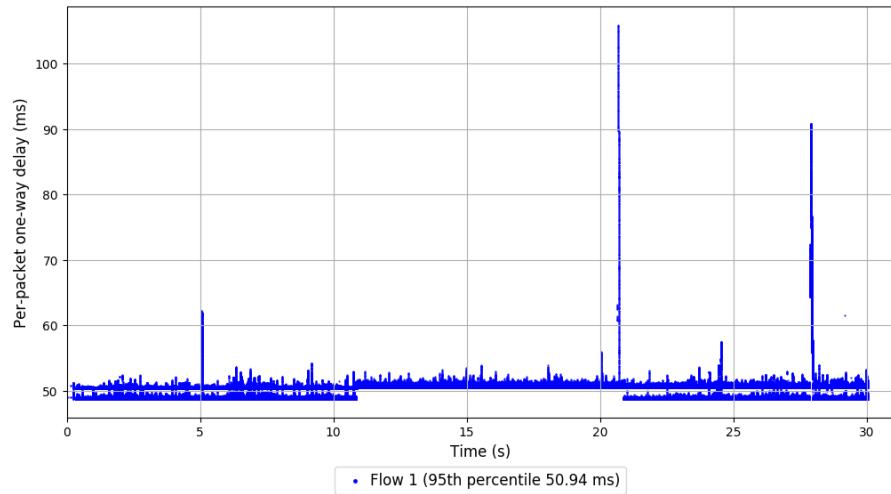
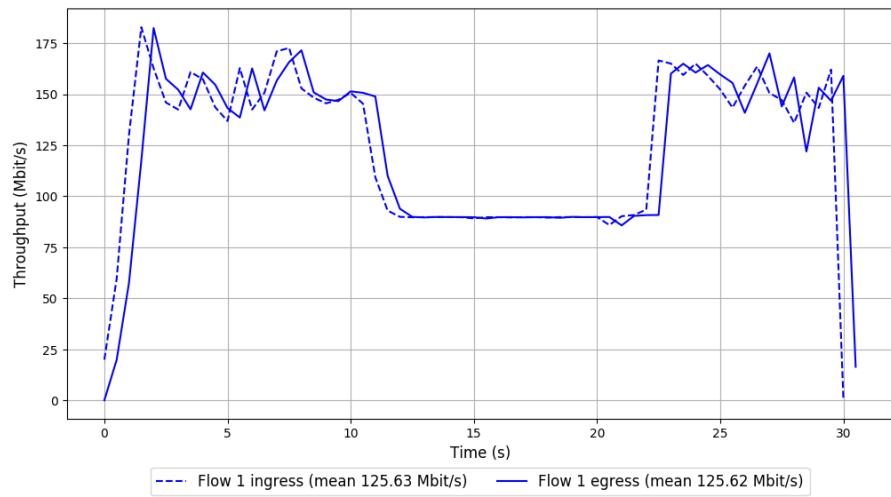


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-07 00:39:27
End at: 2018-06-07 00:39:57
Local clock offset: -0.091 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-07 04:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 125.62 Mbit/s
95th percentile per-packet one-way delay: 50.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.62 Mbit/s
95th percentile per-packet one-way delay: 50.942 ms
Loss rate: 0.00%
```

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

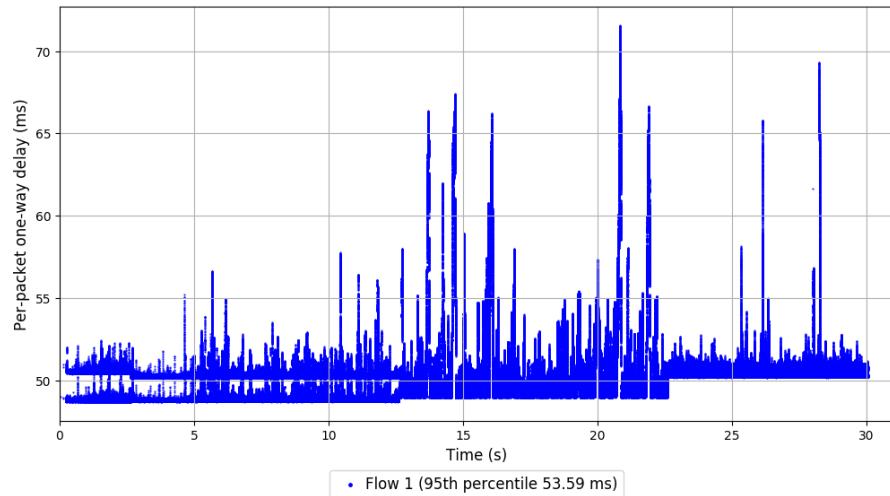
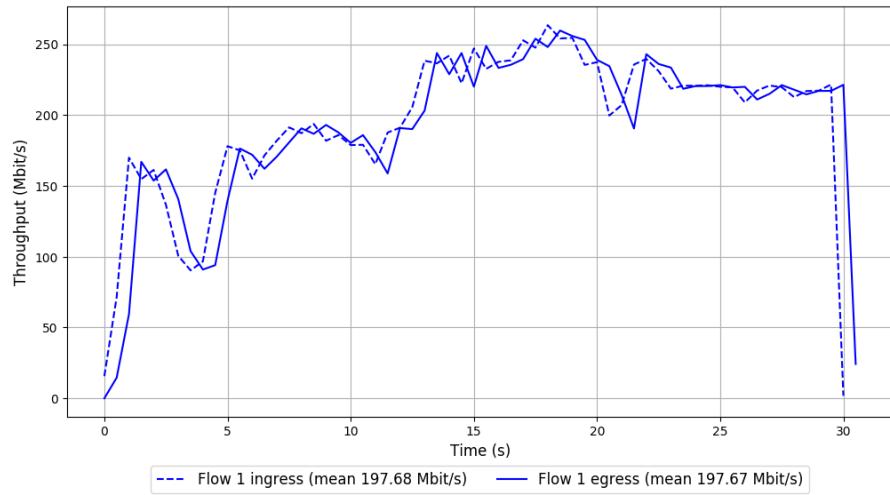


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-07 00:59:45
End at: 2018-06-07 01:00:15
Local clock offset: -0.003 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-06-07 04:39:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.67 Mbit/s
95th percentile per-packet one-way delay: 53.586 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.67 Mbit/s
95th percentile per-packet one-way delay: 53.586 ms
Loss rate: 0.00%
```

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

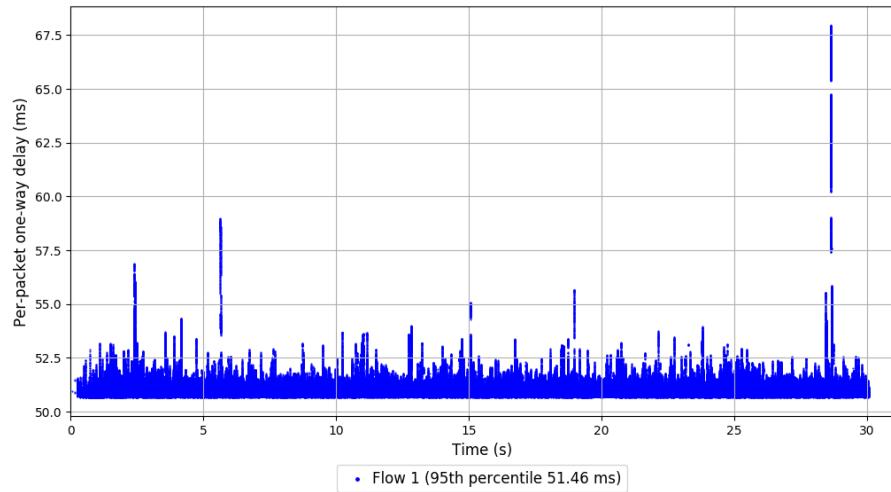
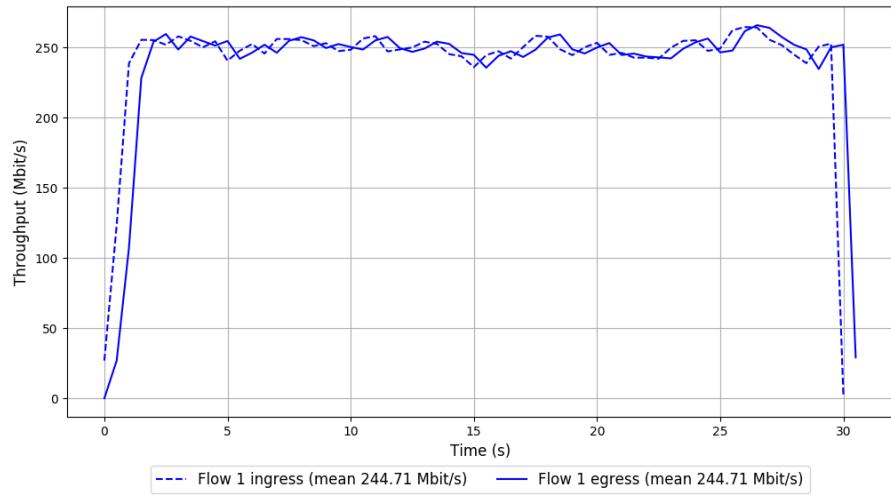


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-07 01:20:16
End at: 2018-06-07 01:20:46
Local clock offset: -0.008 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2018-06-07 04:41:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 244.71 Mbit/s
95th percentile per-packet one-way delay: 51.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 244.71 Mbit/s
95th percentile per-packet one-way delay: 51.458 ms
Loss rate: 0.00%
```

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

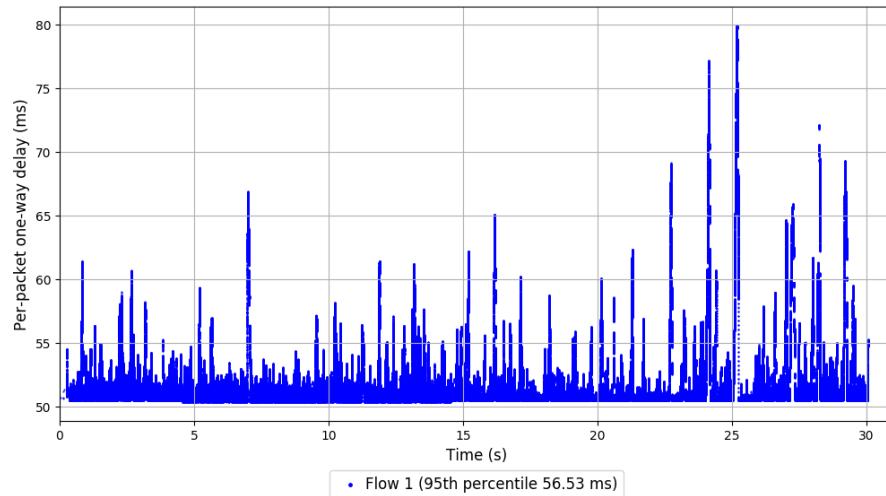
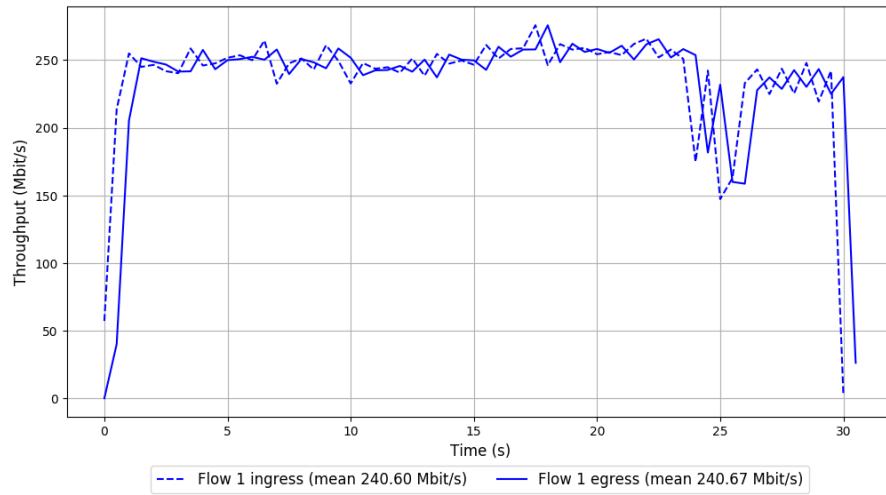


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-07 01:40:43
End at: 2018-06-07 01:41:13
Local clock offset: -0.083 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-06-07 04:41:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 240.67 Mbit/s
95th percentile per-packet one-way delay: 56.527 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 240.67 Mbit/s
95th percentile per-packet one-way delay: 56.527 ms
Loss rate: 0.01%
```

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

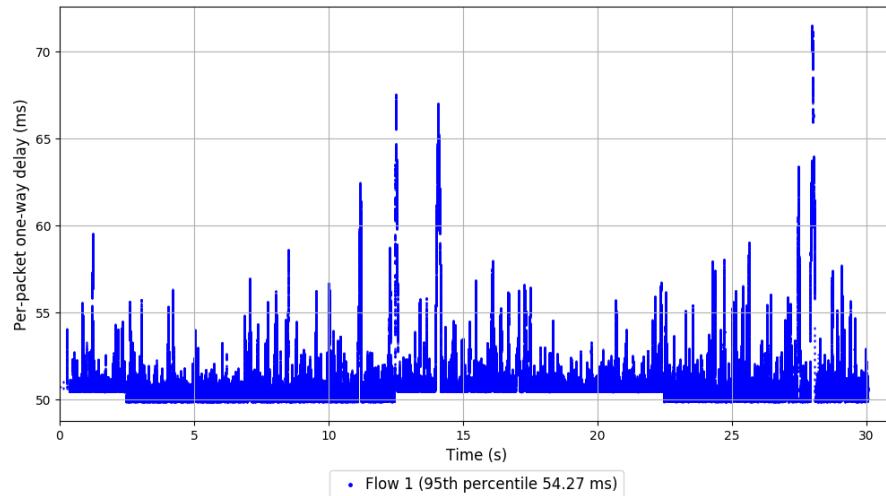
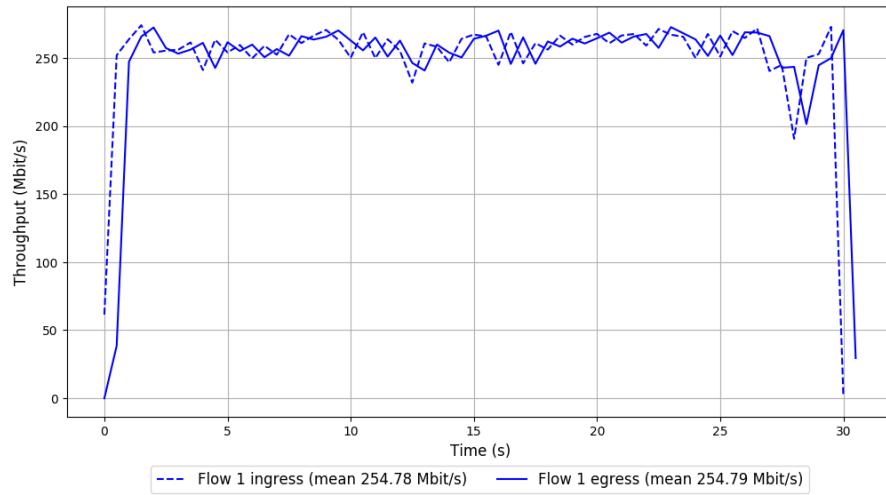


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-07 02:01:05
End at: 2018-06-07 02:01:35
Local clock offset: -0.068 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-06-07 04:42:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.79 Mbit/s
95th percentile per-packet one-way delay: 54.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 254.79 Mbit/s
95th percentile per-packet one-way delay: 54.269 ms
Loss rate: 0.00%
```

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

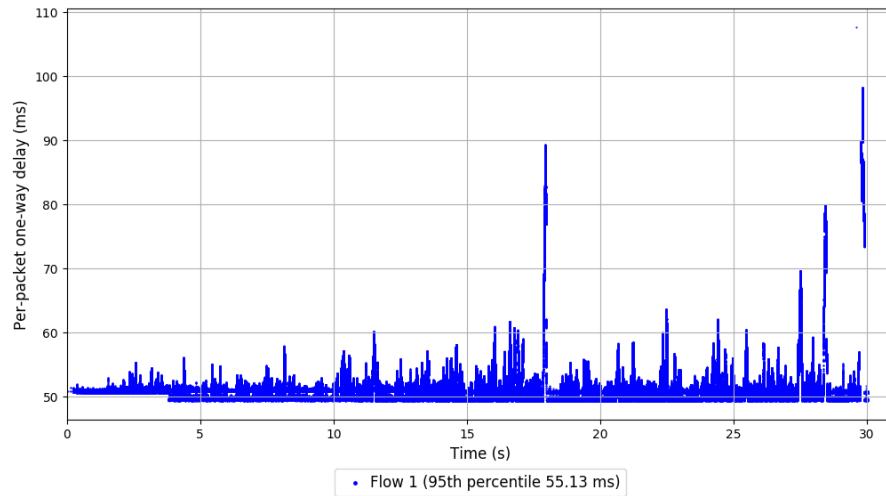
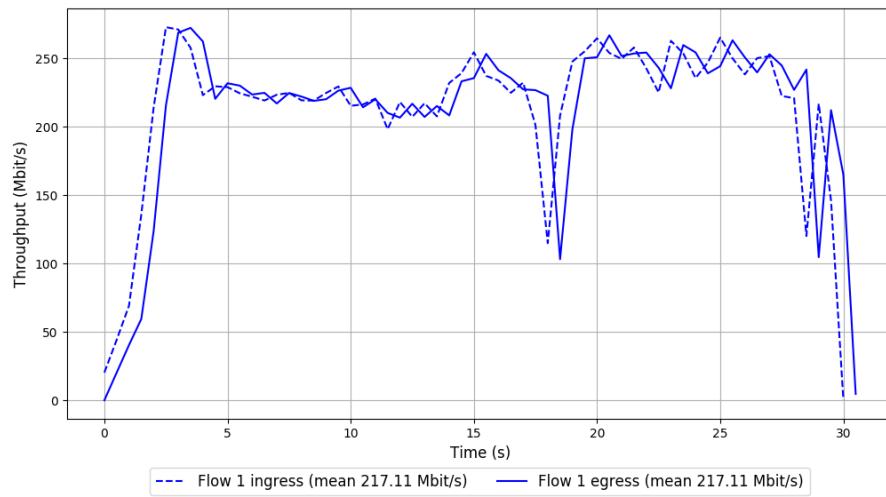


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-07 02:21:33
End at: 2018-06-07 02:22:03
Local clock offset: -0.342 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-06-07 04:42:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.11 Mbit/s
95th percentile per-packet one-way delay: 55.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 217.11 Mbit/s
95th percentile per-packet one-way delay: 55.127 ms
Loss rate: 0.00%
```

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

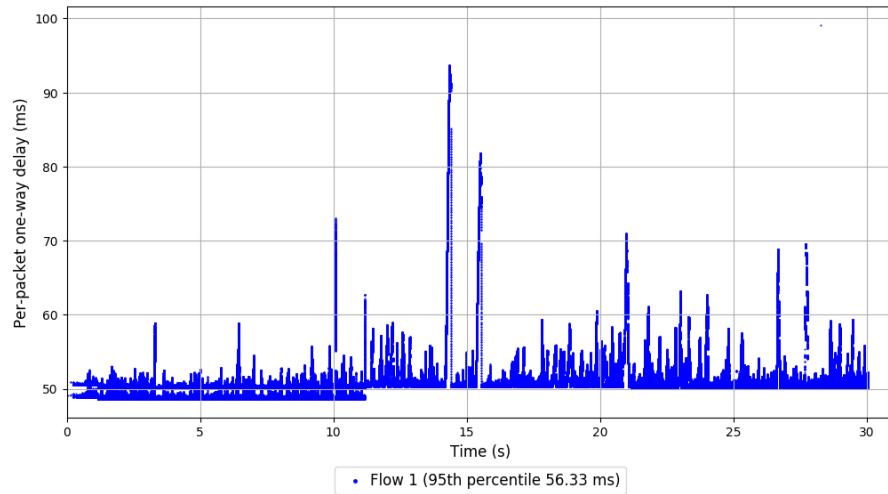
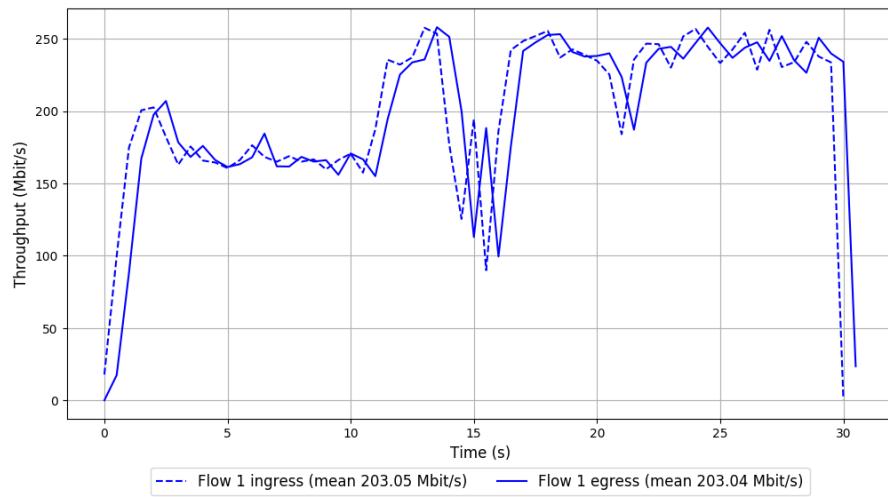


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-07 02:41:46
End at: 2018-06-07 02:42:16
Local clock offset: 0.04 ms
Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2018-06-07 04:42:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.04 Mbit/s
95th percentile per-packet one-way delay: 56.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.04 Mbit/s
95th percentile per-packet one-way delay: 56.328 ms
Loss rate: 0.00%
```

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

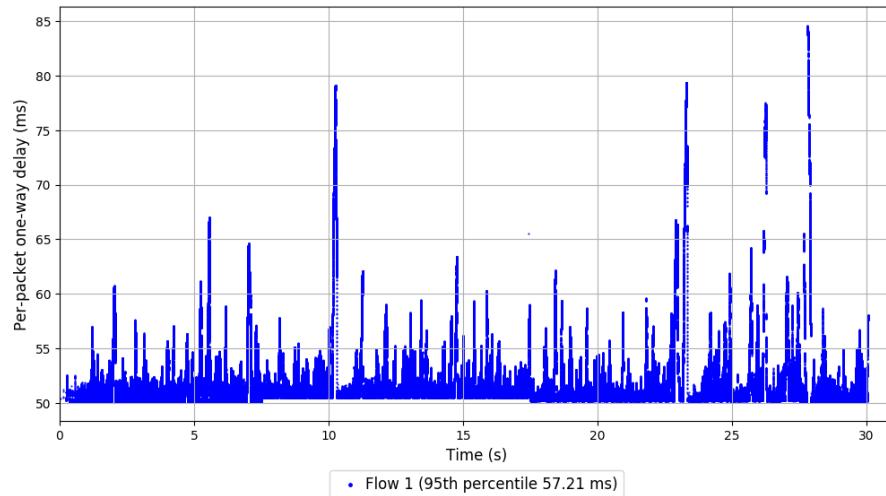
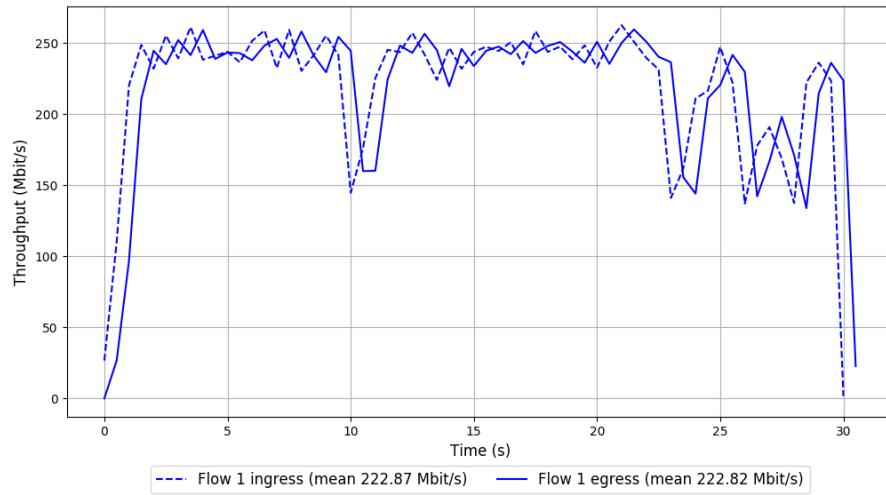


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-07 03:02:10
End at: 2018-06-07 03:02:40
Local clock offset: 0.028 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-06-07 04:42:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.82 Mbit/s
95th percentile per-packet one-way delay: 57.206 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 222.82 Mbit/s
95th percentile per-packet one-way delay: 57.206 ms
Loss rate: 0.02%
```

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

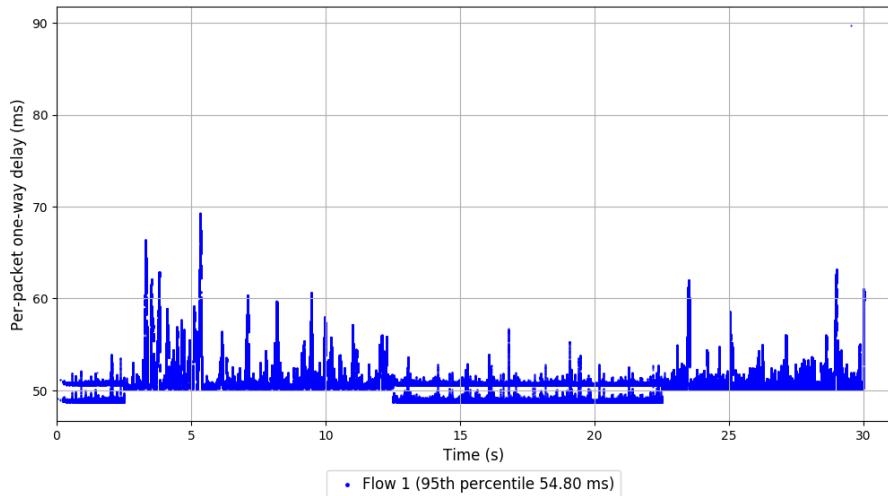
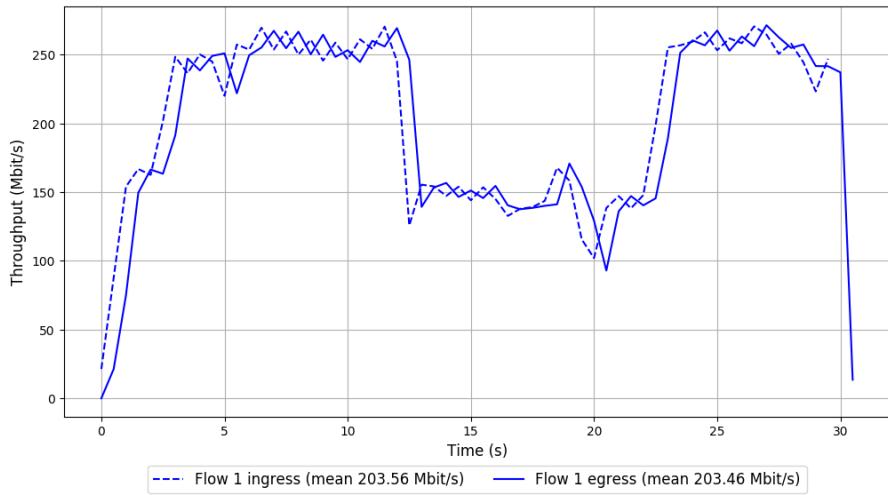


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-07 03:22:25
End at: 2018-06-07 03:22:55
Local clock offset: -0.008 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-07 04:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.46 Mbit/s
95th percentile per-packet one-way delay: 54.798 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 203.46 Mbit/s
95th percentile per-packet one-way delay: 54.798 ms
Loss rate: 0.05%
```

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

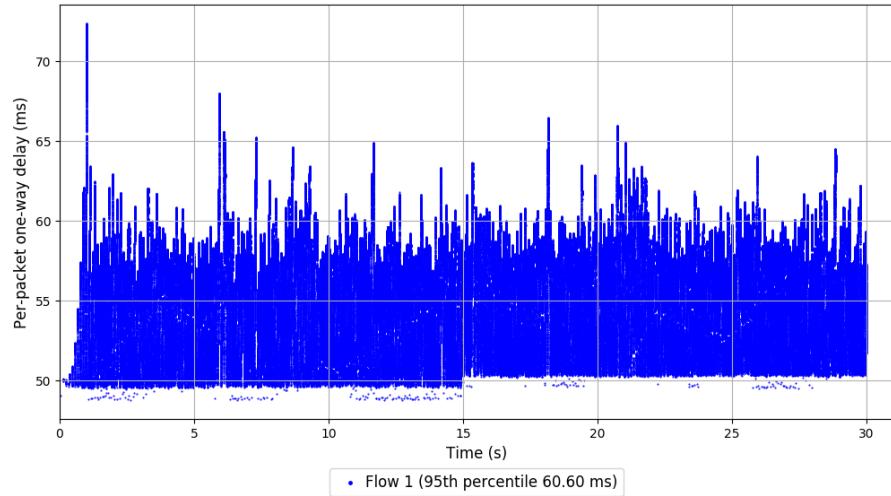
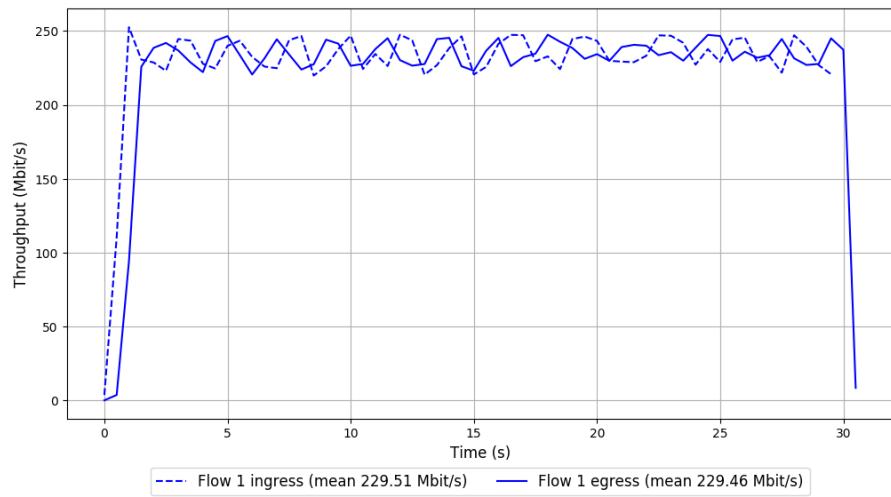


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-07 00:15:43
End at: 2018-06-07 00:16:13
Local clock offset: -0.01 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-06-07 04:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.46 Mbit/s
95th percentile per-packet one-way delay: 60.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.46 Mbit/s
95th percentile per-packet one-way delay: 60.601 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

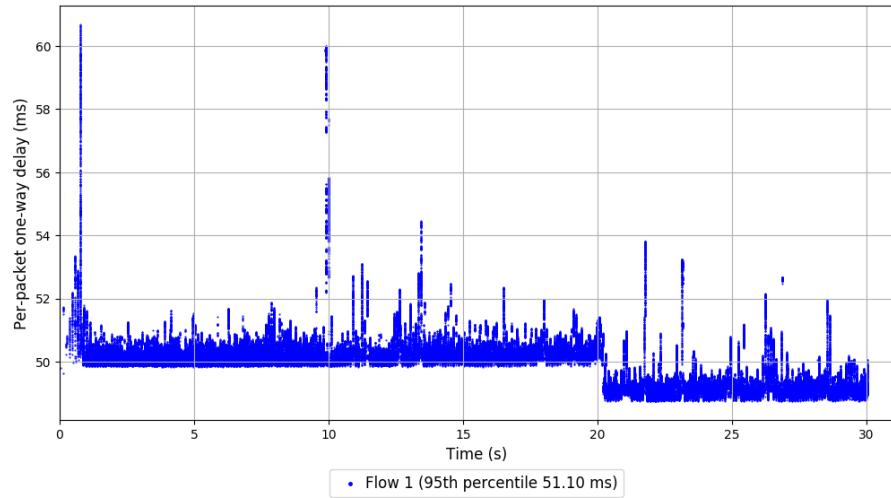
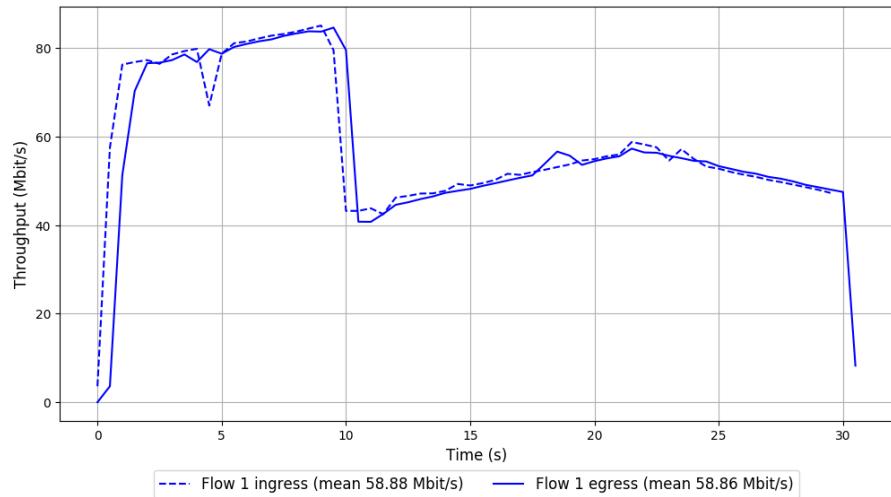


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-07 00:36:07
End at: 2018-06-07 00:36:37
Local clock offset: -0.069 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-07 04:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 51.098 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 58.86 Mbit/s
95th percentile per-packet one-way delay: 51.098 ms
Loss rate: 0.04%
```

Run 2: Report of TCP Vegas — Data Link

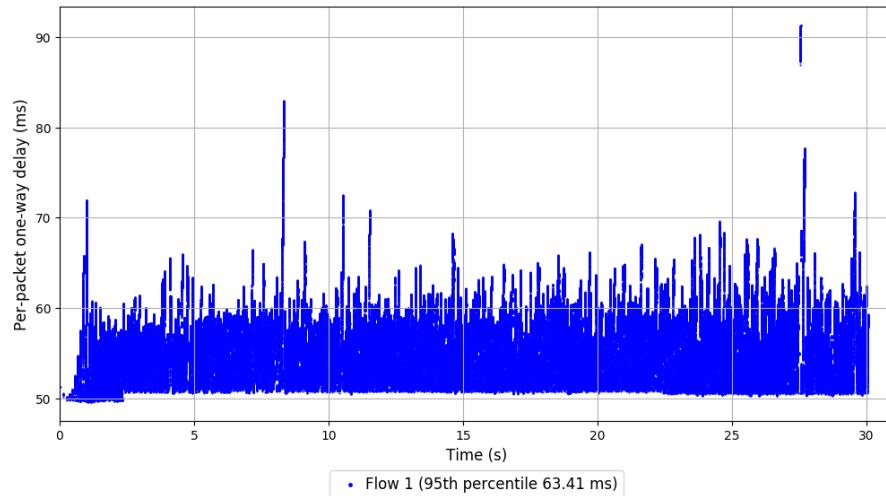
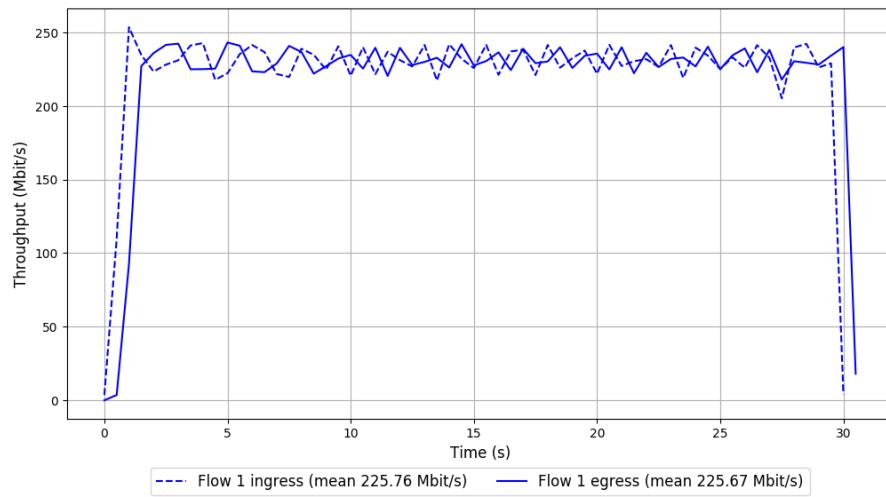


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-07 00:56:15
End at: 2018-06-07 00:56:45
Local clock offset: -0.027 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-06-07 04:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.67 Mbit/s
95th percentile per-packet one-way delay: 63.405 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 225.67 Mbit/s
95th percentile per-packet one-way delay: 63.405 ms
Loss rate: 0.04%
```

Run 3: Report of TCP Vegas — Data Link

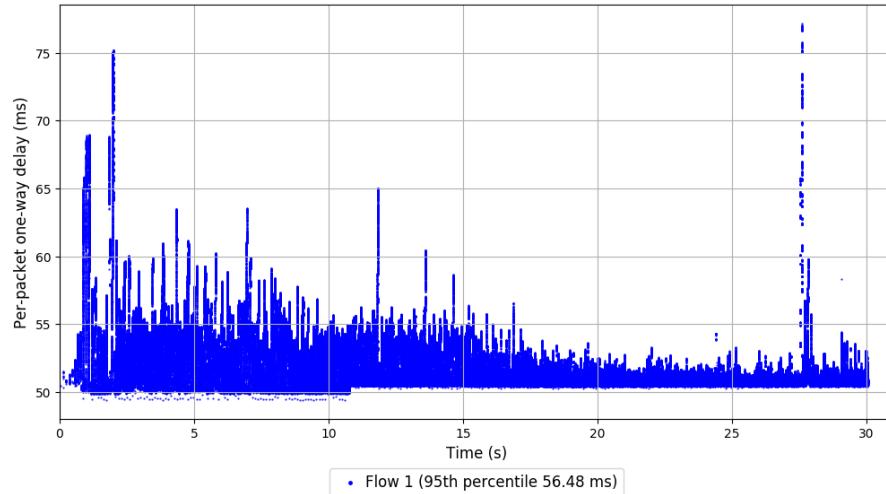
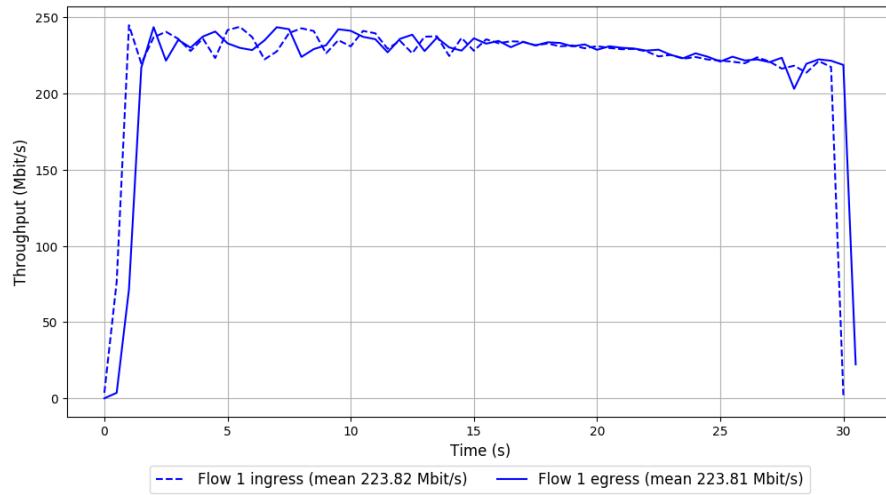


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-07 01:16:47
End at: 2018-06-07 01:17:17
Local clock offset: 0.383 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-06-07 04:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.81 Mbit/s
95th percentile per-packet one-way delay: 56.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.81 Mbit/s
95th percentile per-packet one-way delay: 56.479 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

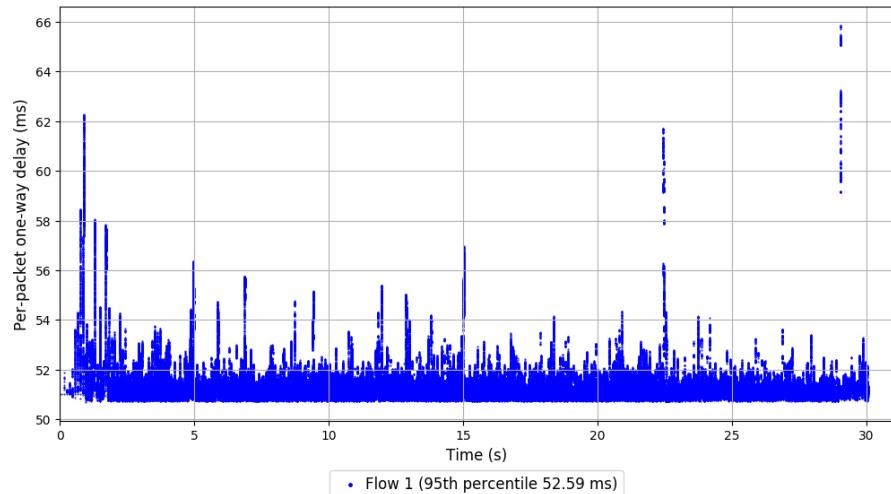
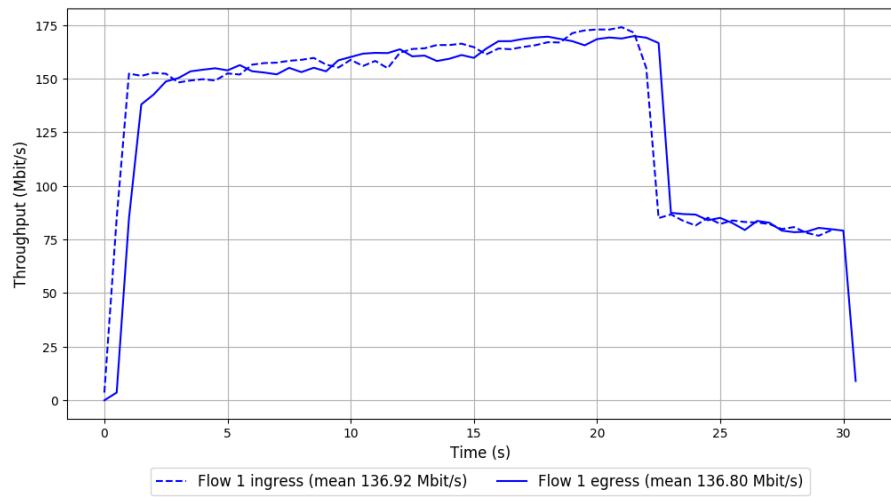


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-07 01:37:17
End at: 2018-06-07 01:37:47
Local clock offset: -0.079 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-06-07 04:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.80 Mbit/s
95th percentile per-packet one-way delay: 52.592 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 136.80 Mbit/s
95th percentile per-packet one-way delay: 52.592 ms
Loss rate: 0.08%
```

Run 5: Report of TCP Vegas — Data Link

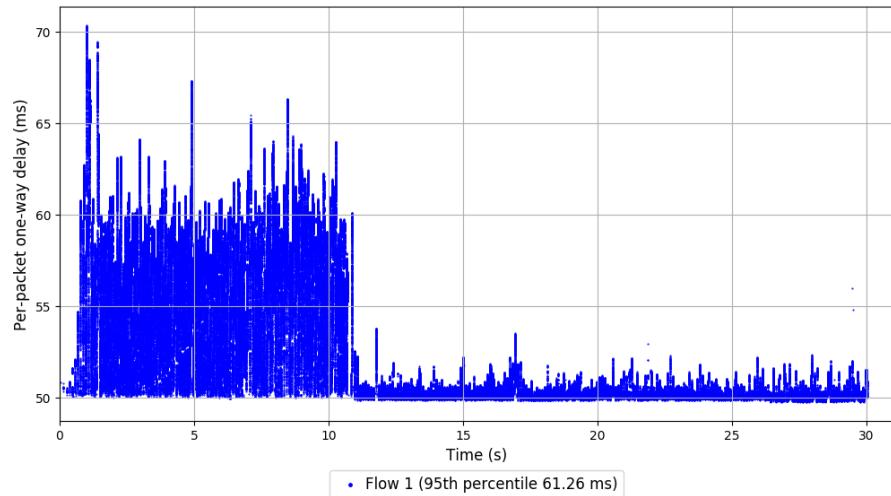
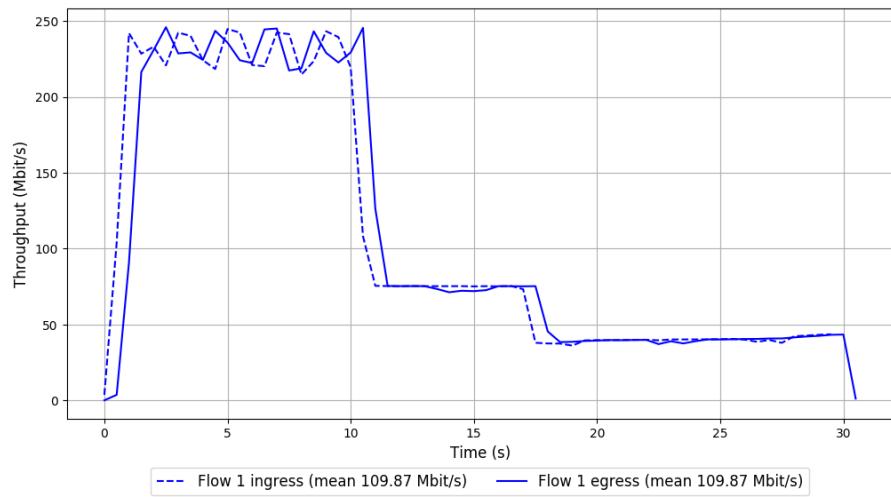


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-07 01:57:41
End at: 2018-06-07 01:58:11
Local clock offset: -0.086 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-07 04:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.87 Mbit/s
95th percentile per-packet one-way delay: 61.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.87 Mbit/s
95th percentile per-packet one-way delay: 61.261 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

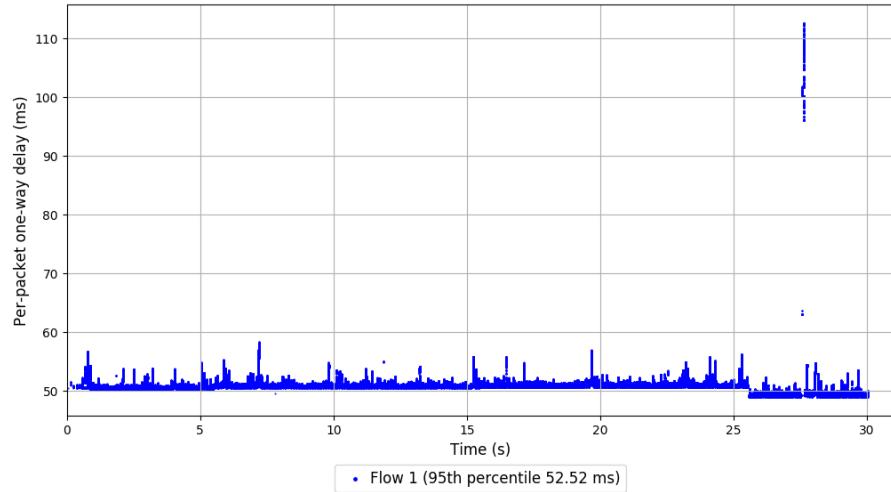
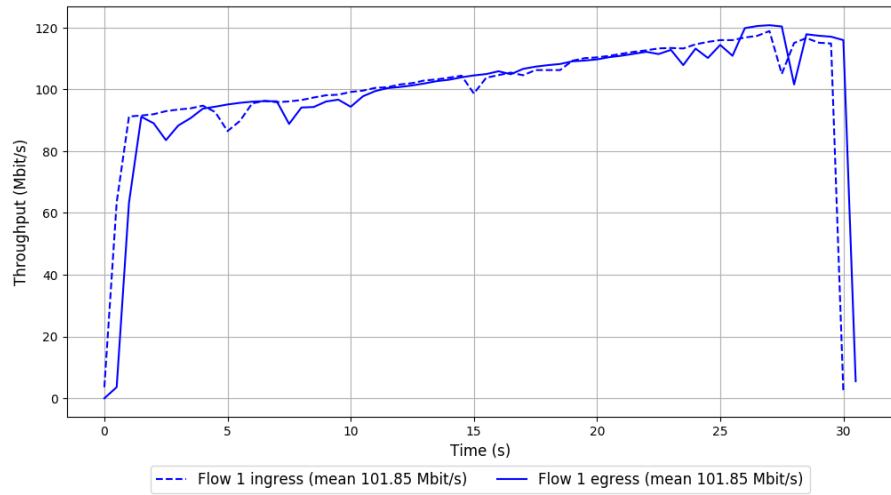


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-07 02:18:12
End at: 2018-06-07 02:18:42
Local clock offset: 0.052 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-06-07 04:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.85 Mbit/s
95th percentile per-packet one-way delay: 52.515 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.85 Mbit/s
95th percentile per-packet one-way delay: 52.515 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

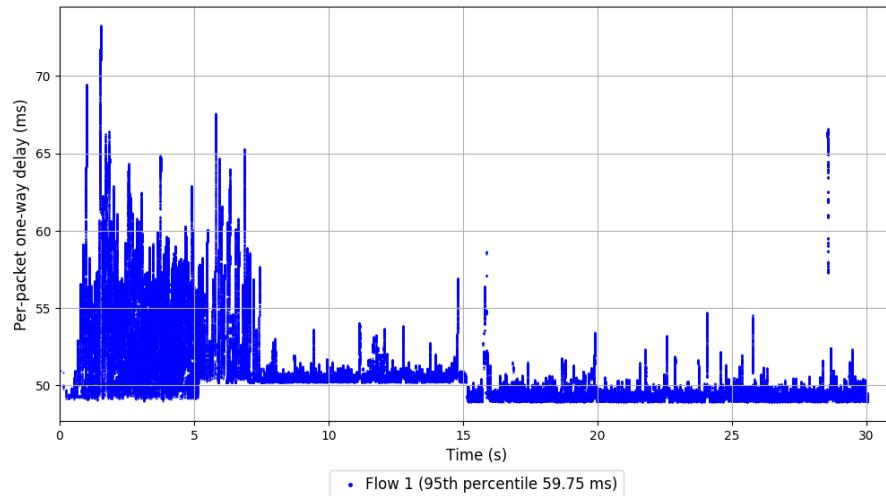
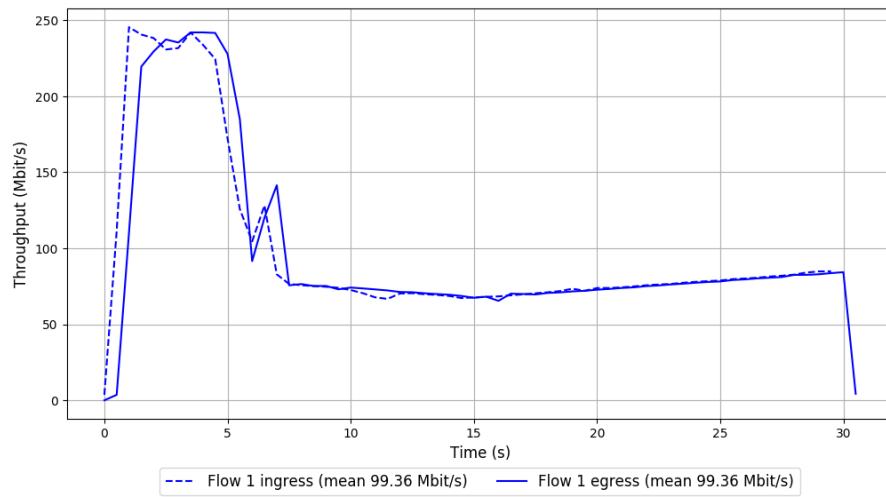


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-07 02:38:22
End at: 2018-06-07 02:38:52
Local clock offset: 0.048 ms
Remote clock offset: 0.014 ms

# Below is generated by plot.py at 2018-06-07 04:45:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.36 Mbit/s
95th percentile per-packet one-way delay: 59.750 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.36 Mbit/s
95th percentile per-packet one-way delay: 59.750 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Vegas — Data Link

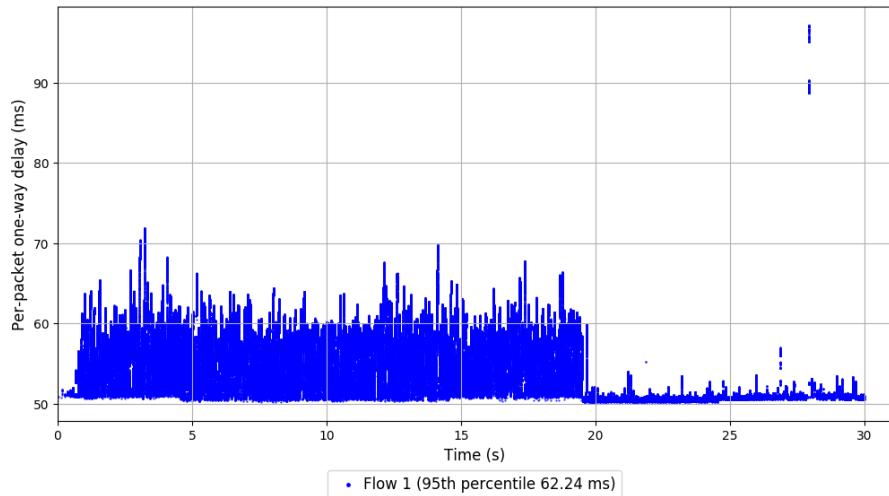
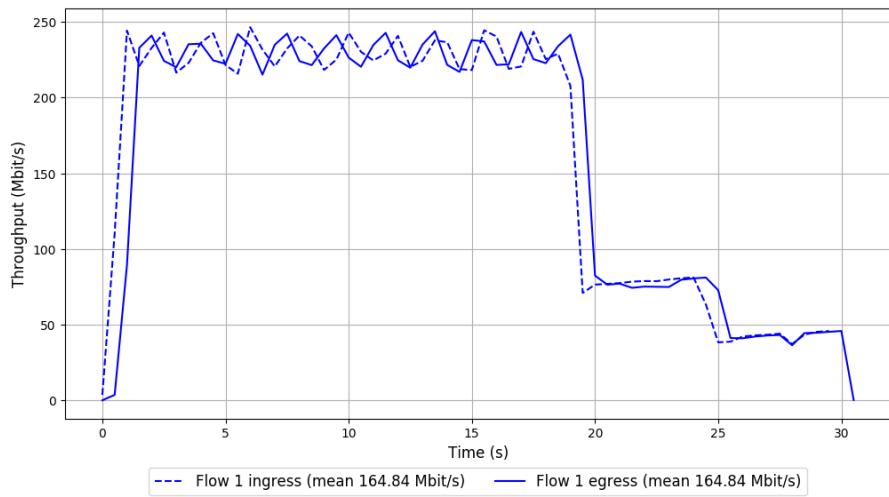


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-07 02:58:43
End at: 2018-06-07 02:59:13
Local clock offset: -0.023 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-06-07 04:46:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 164.84 Mbit/s
95th percentile per-packet one-way delay: 62.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.84 Mbit/s
95th percentile per-packet one-way delay: 62.245 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

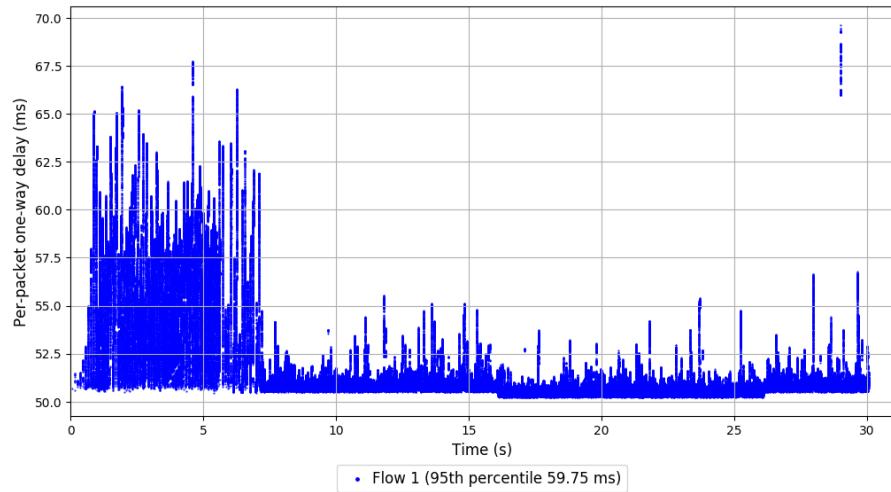
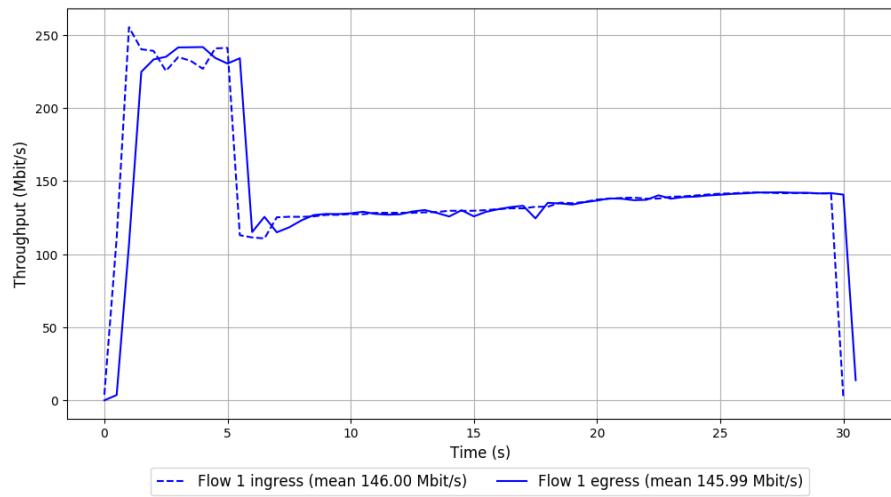


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-07 03:19:01
End at: 2018-06-07 03:19:31
Local clock offset: -0.015 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-06-07 04:46:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 145.99 Mbit/s
95th percentile per-packet one-way delay: 59.752 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 145.99 Mbit/s
95th percentile per-packet one-way delay: 59.752 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

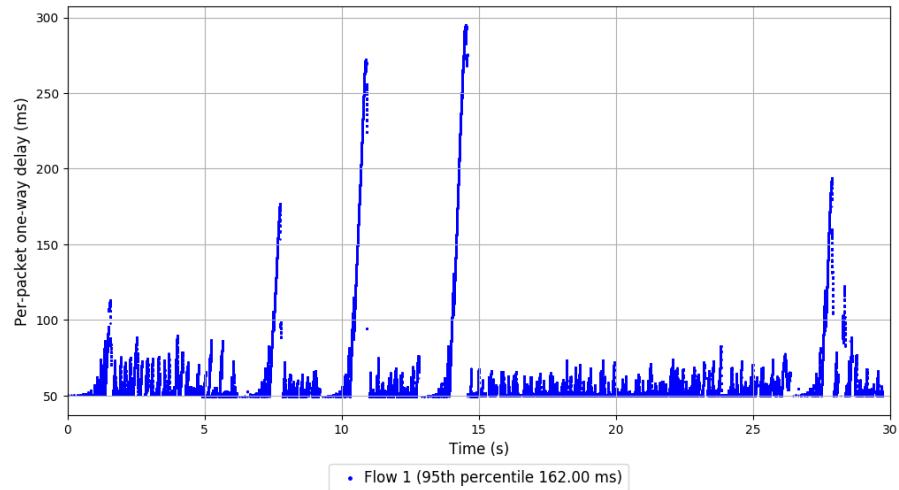
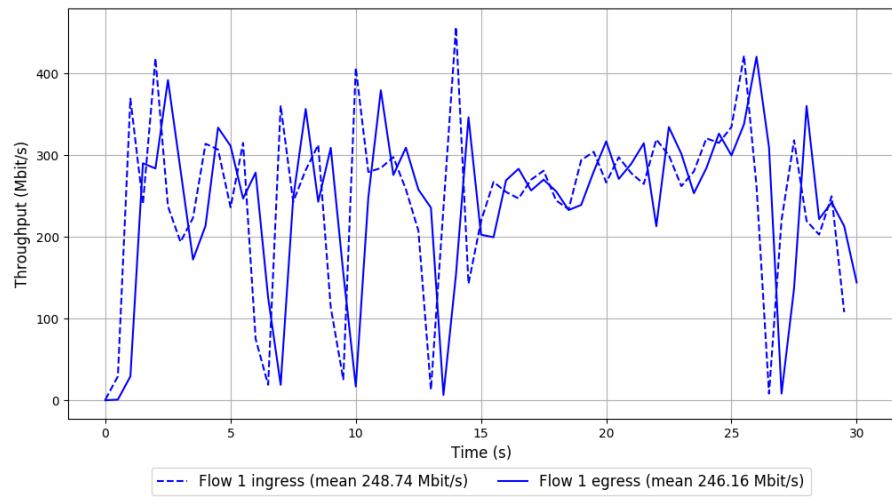


Run 1: Statistics of Verus

```
Start at: 2018-06-07 00:14:22
End at: 2018-06-07 00:14:52
Local clock offset: 0.309 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-06-07 04:48:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.16 Mbit/s
95th percentile per-packet one-way delay: 161.997 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 246.16 Mbit/s
95th percentile per-packet one-way delay: 161.997 ms
Loss rate: 1.05%
```

Run 1: Report of Verus — Data Link

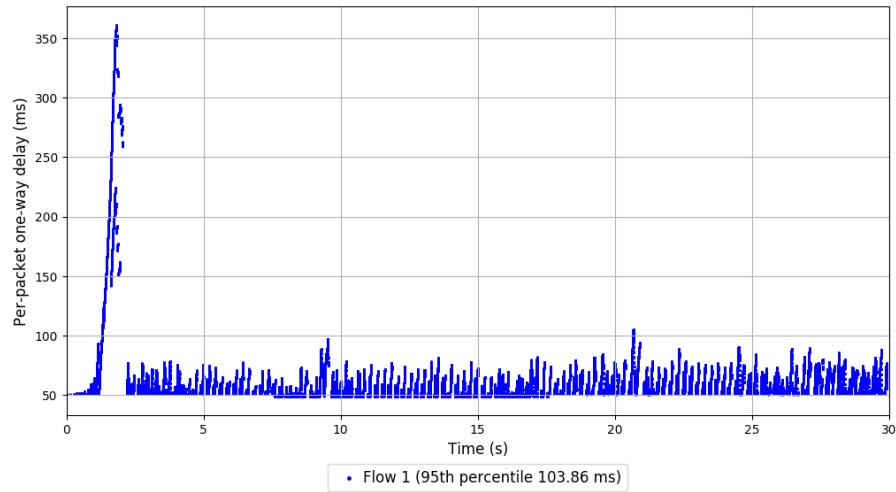
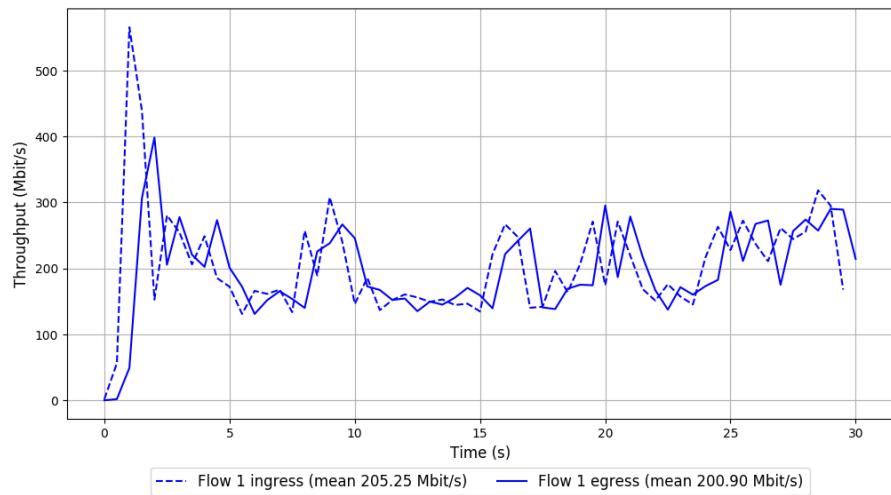


Run 2: Statistics of Verus

```
Start at: 2018-06-07 00:34:50
End at: 2018-06-07 00:35:20
Local clock offset: -0.062 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-06-07 04:48:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.90 Mbit/s
95th percentile per-packet one-way delay: 103.859 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 200.90 Mbit/s
95th percentile per-packet one-way delay: 103.859 ms
Loss rate: 2.12%
```

Run 2: Report of Verus — Data Link

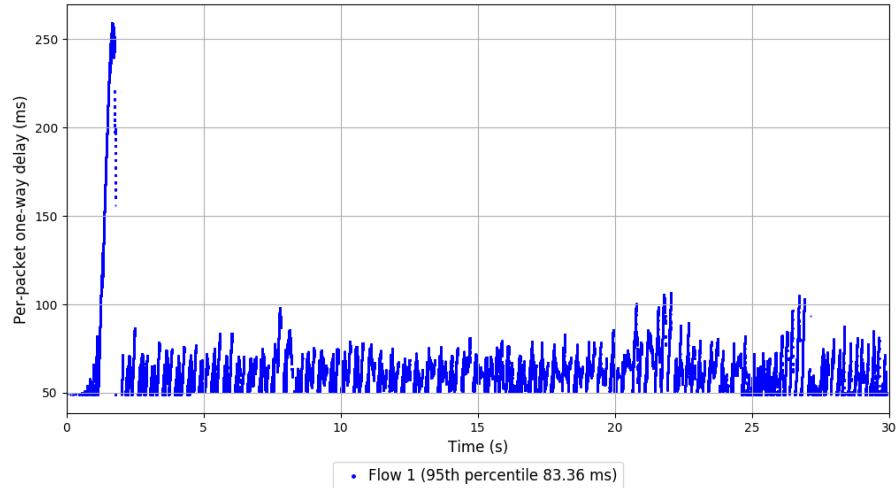
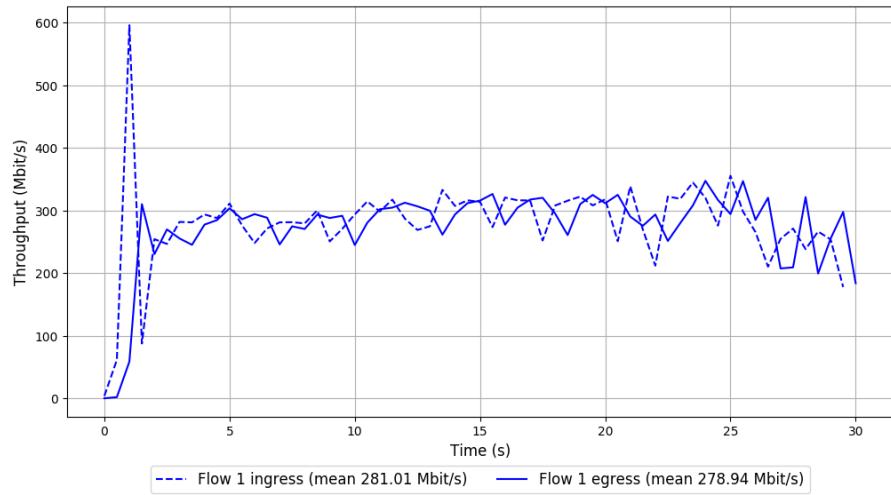


Run 3: Statistics of Verus

```
Start at: 2018-06-07 00:54:53
End at: 2018-06-07 00:55:23
Local clock offset: 0.001 ms
Remote clock offset: -0.065 ms

# Below is generated by plot.py at 2018-06-07 04:49:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 278.94 Mbit/s
95th percentile per-packet one-way delay: 83.362 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 278.94 Mbit/s
95th percentile per-packet one-way delay: 83.362 ms
Loss rate: 0.73%
```

Run 3: Report of Verus — Data Link

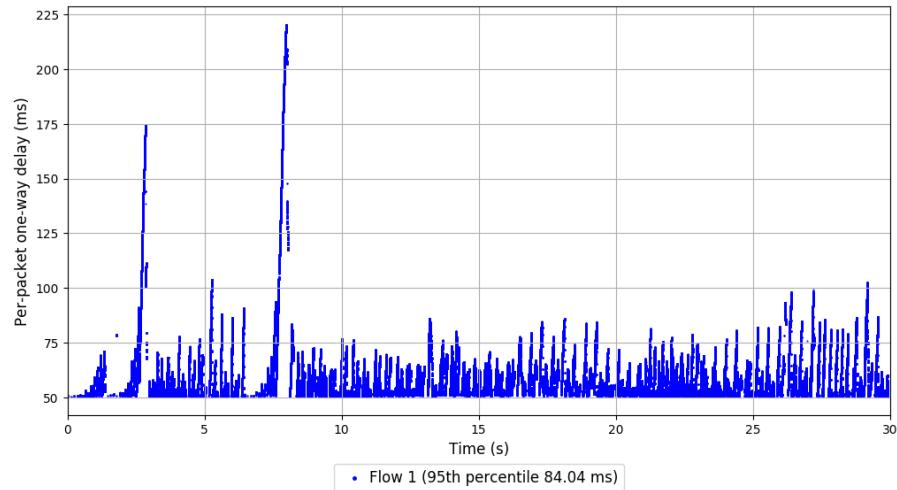
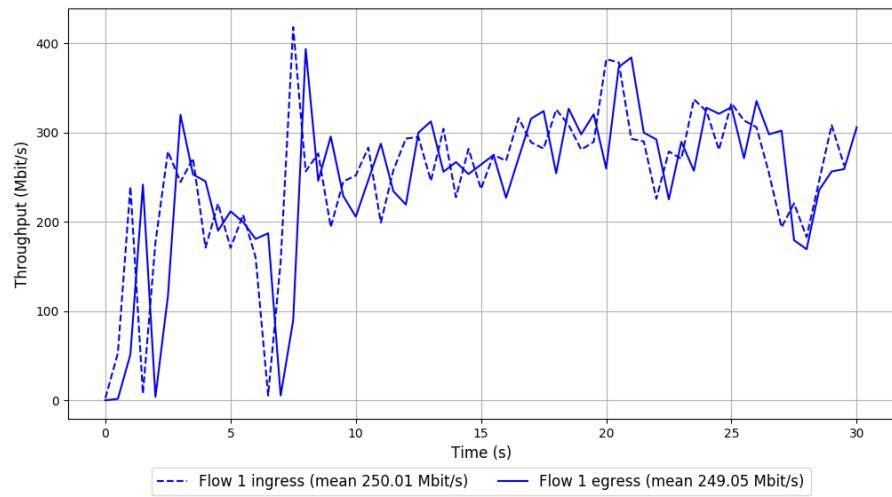


Run 4: Statistics of Verus

```
Start at: 2018-06-07 01:15:26
End at: 2018-06-07 01:15:56
Local clock offset: 0.019 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-06-07 04:49:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.05 Mbit/s
95th percentile per-packet one-way delay: 84.040 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 249.05 Mbit/s
95th percentile per-packet one-way delay: 84.040 ms
Loss rate: 0.37%
```

Run 4: Report of Verus — Data Link

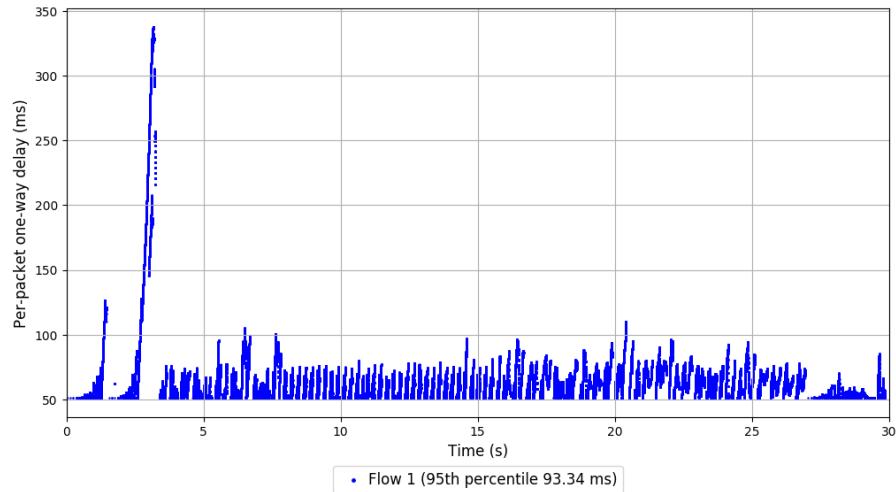
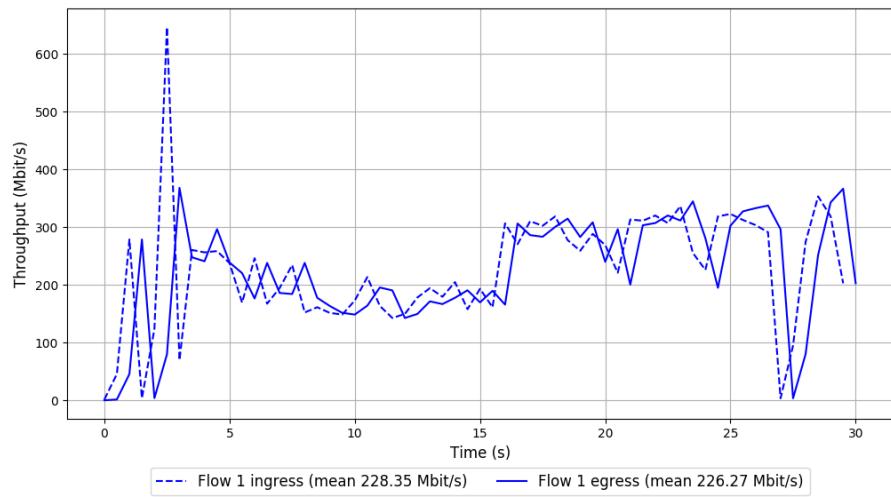


Run 5: Statistics of Verus

```
Start at: 2018-06-07 01:35:58
End at: 2018-06-07 01:36:28
Local clock offset: -0.064 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-06-07 04:49:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.27 Mbit/s
95th percentile per-packet one-way delay: 93.341 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 226.27 Mbit/s
95th percentile per-packet one-way delay: 93.341 ms
Loss rate: 0.90%
```

Run 5: Report of Verus — Data Link

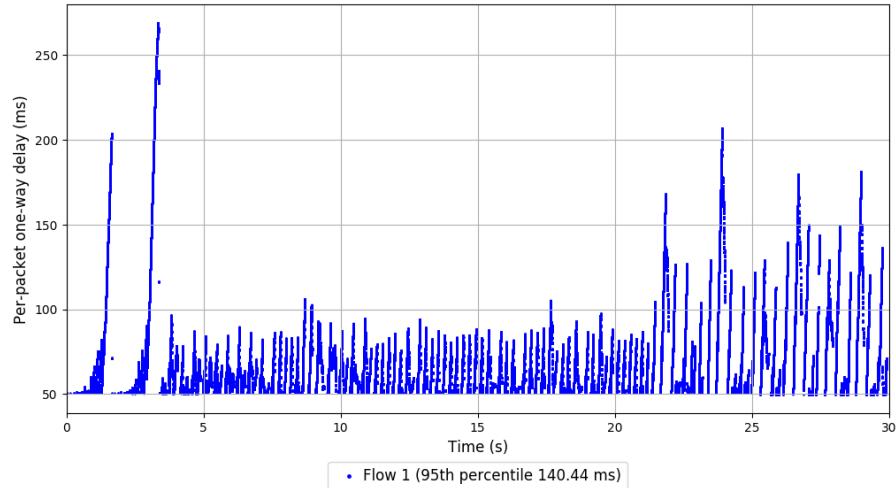
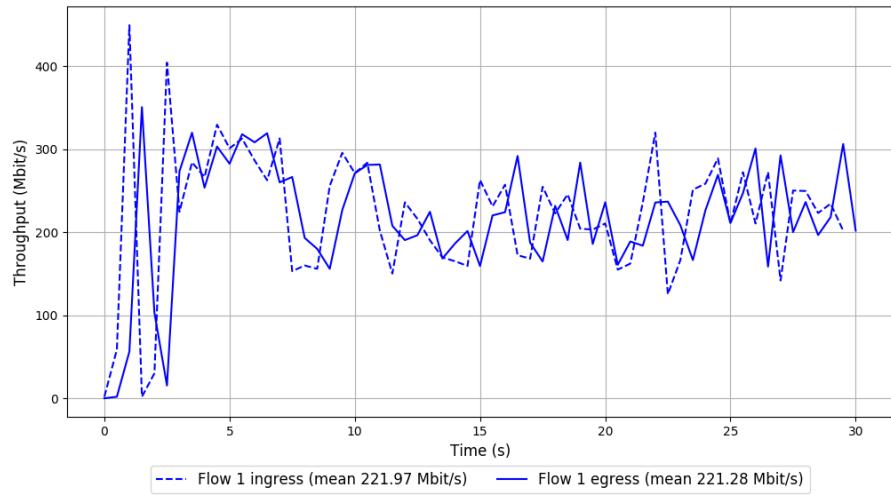


Run 6: Statistics of Verus

```
Start at: 2018-06-07 01:56:22
End at: 2018-06-07 01:56:52
Local clock offset: -0.095 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-07 04:49:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.28 Mbit/s
95th percentile per-packet one-way delay: 140.437 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 221.28 Mbit/s
95th percentile per-packet one-way delay: 140.437 ms
Loss rate: 0.26%
```

Run 6: Report of Verus — Data Link

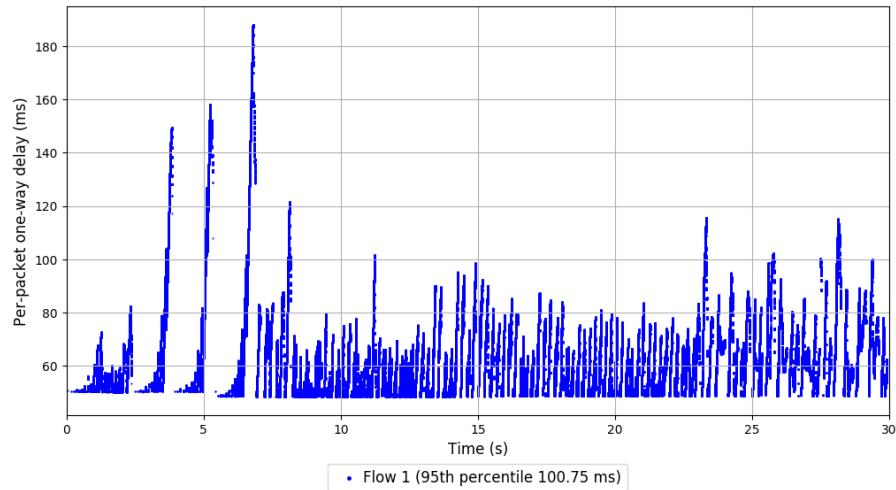
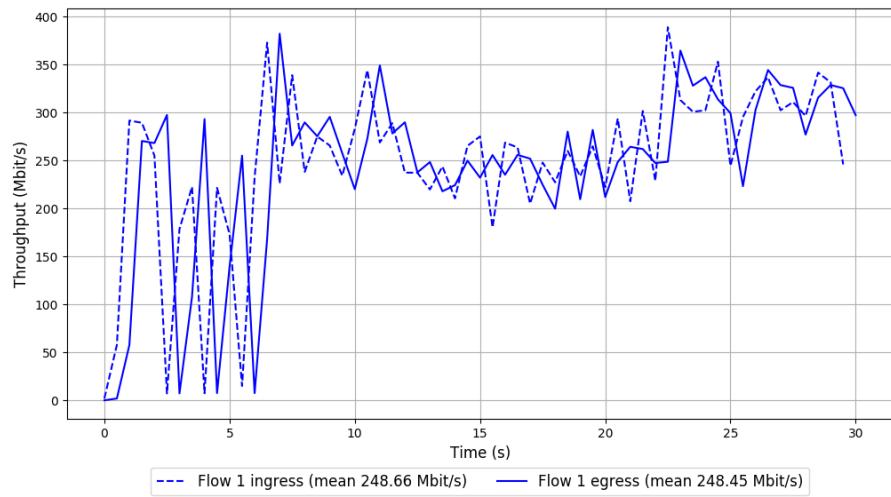


Run 7: Statistics of Verus

```
Start at: 2018-06-07 02:16:52
End at: 2018-06-07 02:17:22
Local clock offset: 0.387 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-06-07 04:50:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.45 Mbit/s
95th percentile per-packet one-way delay: 100.753 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 248.45 Mbit/s
95th percentile per-packet one-way delay: 100.753 ms
Loss rate: 0.09%
```

Run 7: Report of Verus — Data Link

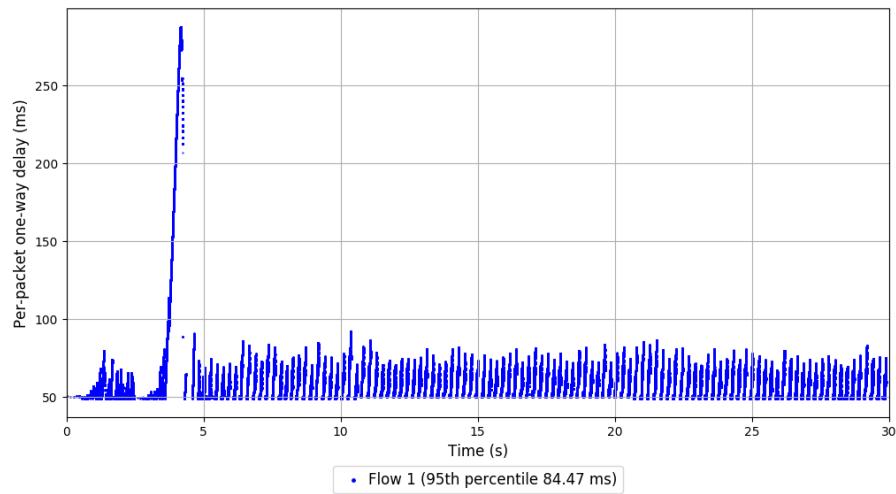
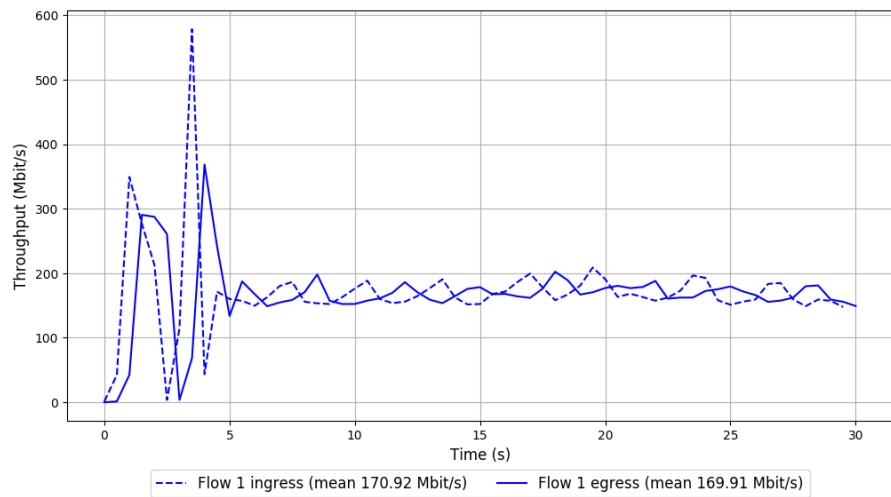


Run 8: Statistics of Verus

```
Start at: 2018-06-07 02:37:06
End at: 2018-06-07 02:37:36
Local clock offset: 0.015 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2018-06-07 04:50:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.91 Mbit/s
95th percentile per-packet one-way delay: 84.466 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 169.91 Mbit/s
95th percentile per-packet one-way delay: 84.466 ms
Loss rate: 0.56%
```

Run 8: Report of Verus — Data Link

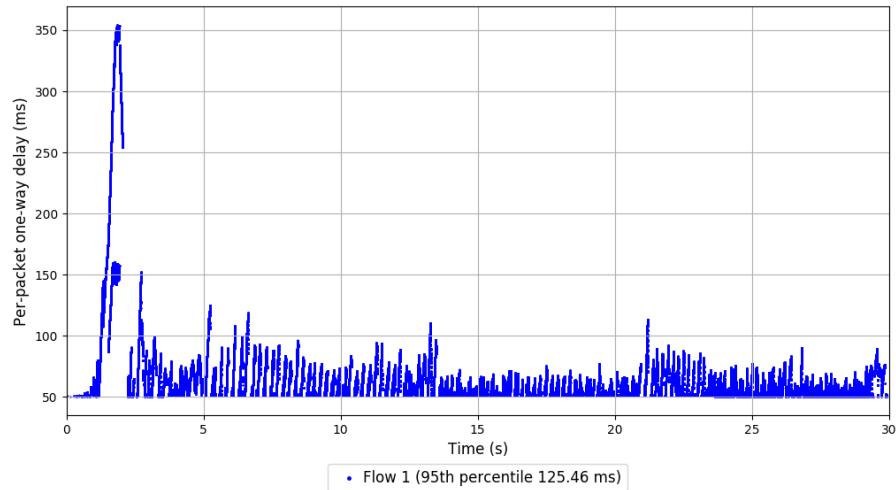
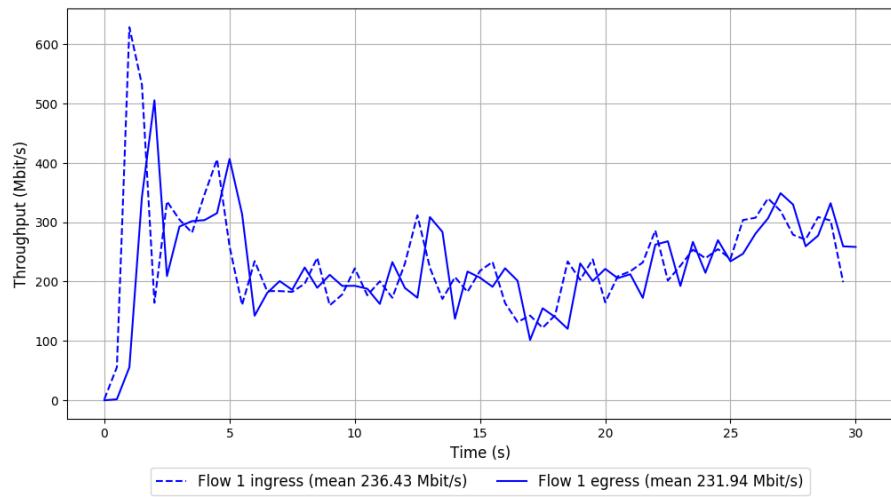


Run 9: Statistics of Verus

```
Start at: 2018-06-07 02:57:23
End at: 2018-06-07 02:57:53
Local clock offset: 0.02 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-06-07 04:51:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.94 Mbit/s
95th percentile per-packet one-way delay: 125.463 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 231.94 Mbit/s
95th percentile per-packet one-way delay: 125.463 ms
Loss rate: 1.89%
```

Run 9: Report of Verus — Data Link

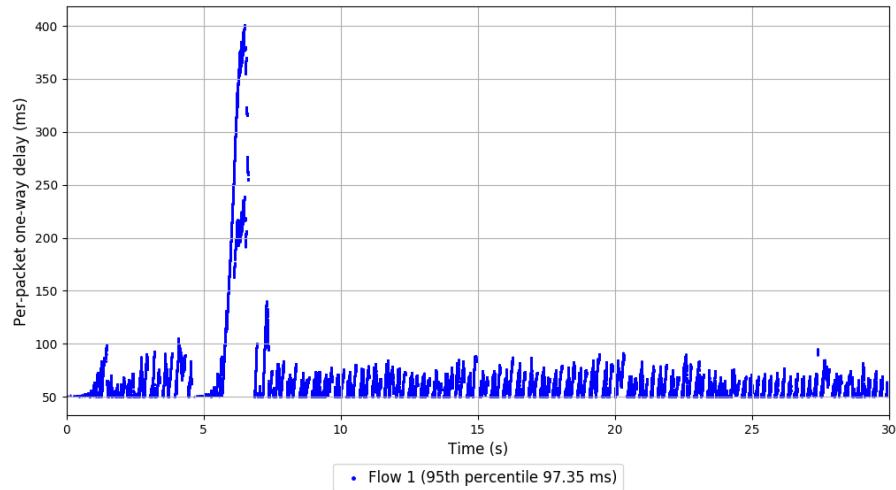
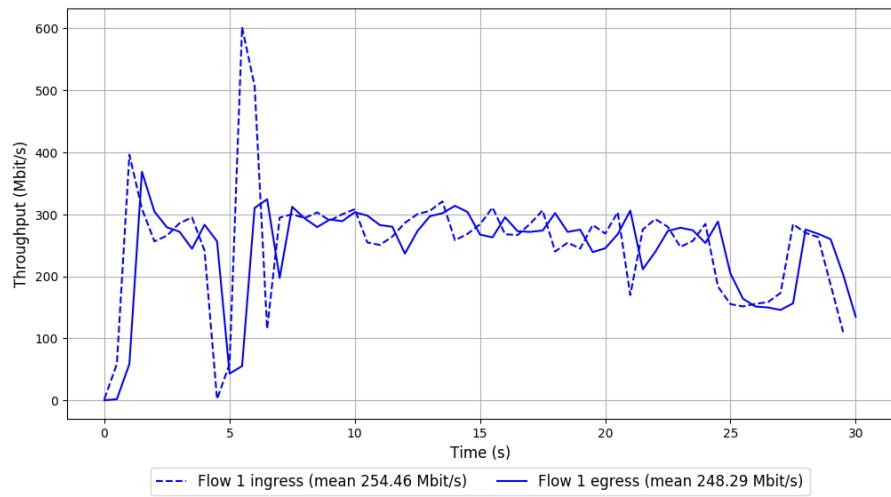


Run 10: Statistics of Verus

```
Start at: 2018-06-07 03:17:40
End at: 2018-06-07 03:18:10
Local clock offset: -0.011 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-06-07 04:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.29 Mbit/s
95th percentile per-packet one-way delay: 97.353 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 248.29 Mbit/s
95th percentile per-packet one-way delay: 97.353 ms
Loss rate: 2.43%
```

Run 10: Report of Verus — Data Link

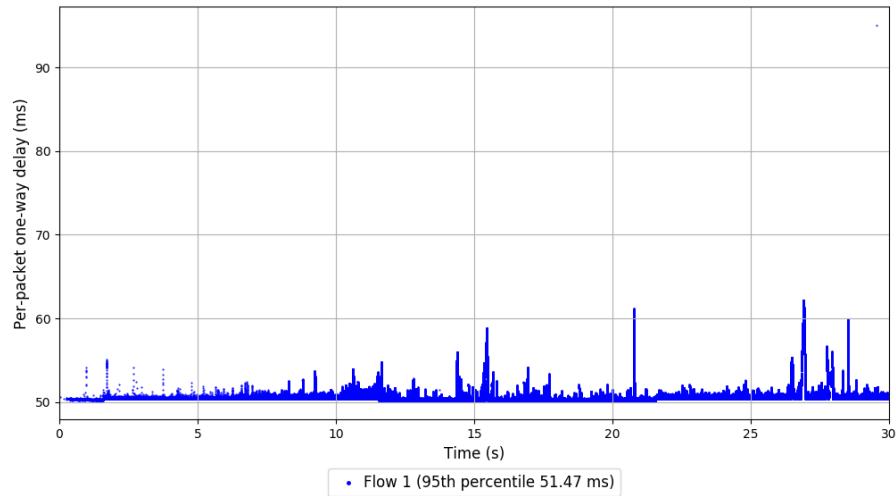
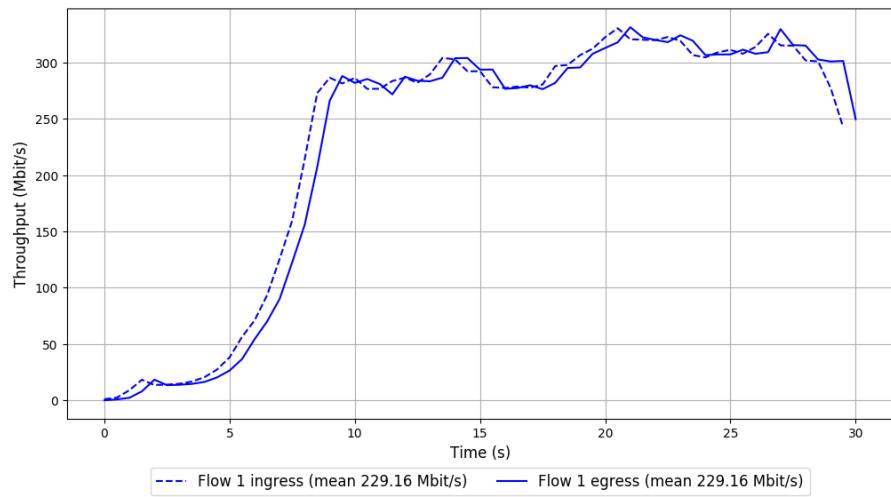


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-06-07 00:11:36
End at: 2018-06-07 00:12:06
Local clock offset: -0.042 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-06-07 04:52:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.16 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.16 Mbit/s
95th percentile per-packet one-way delay: 51.472 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

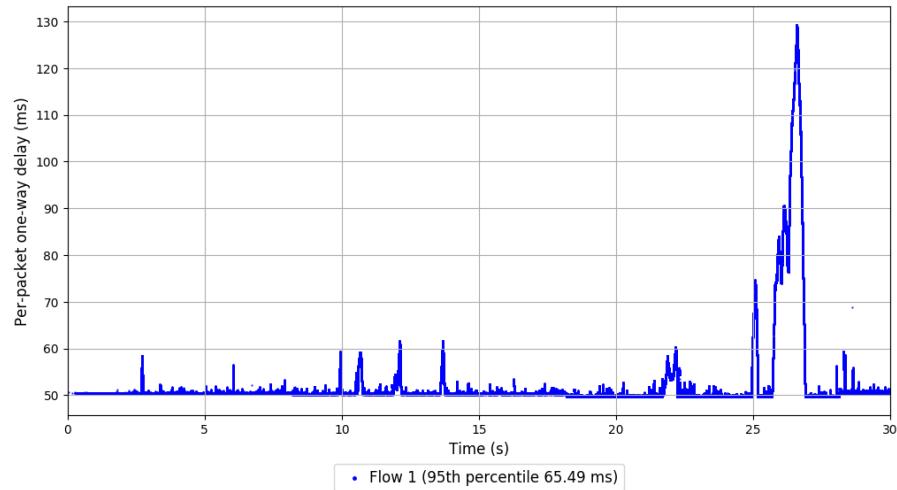
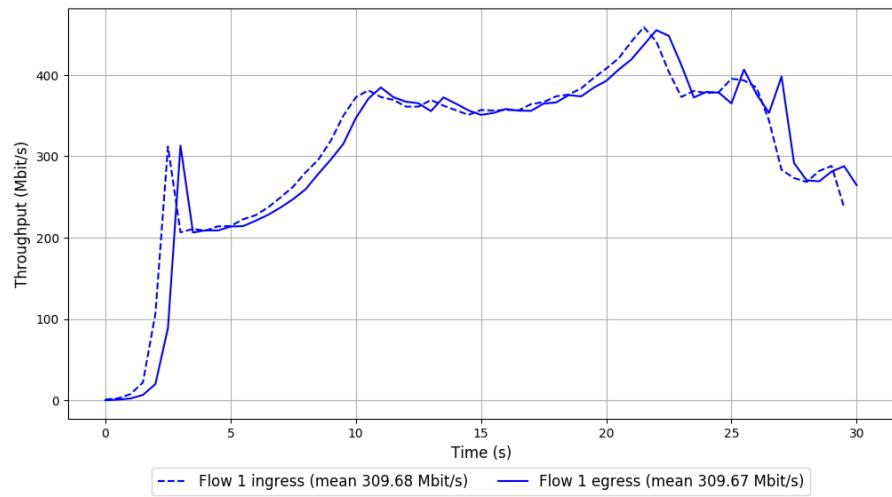


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-07 00:31:59
End at: 2018-06-07 00:32:29
Local clock offset: -0.064 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-06-07 04:54:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.67 Mbit/s
95th percentile per-packet one-way delay: 65.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.67 Mbit/s
95th percentile per-packet one-way delay: 65.487 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

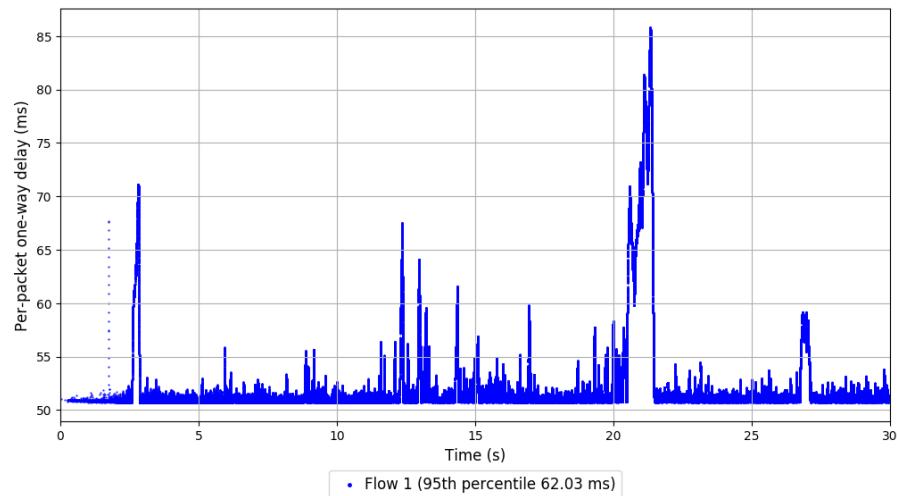
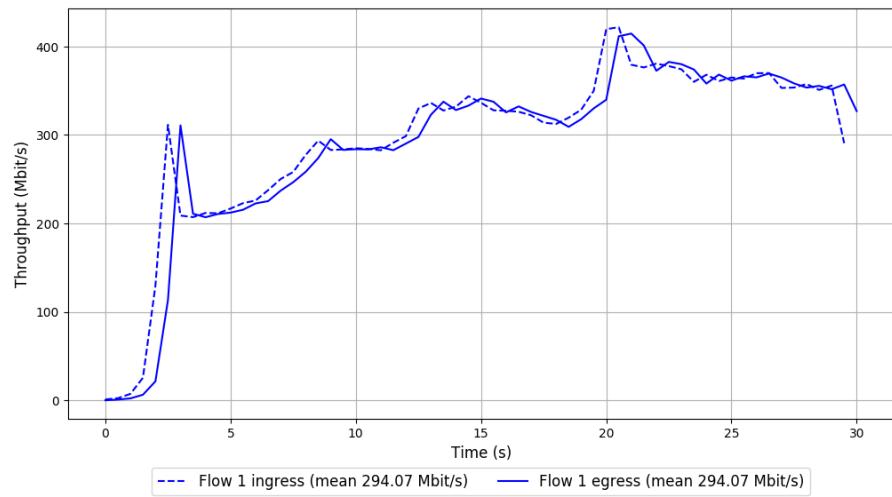


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-07 00:52:06
End at: 2018-06-07 00:52:36
Local clock offset: -0.025 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-06-07 04:54:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.07 Mbit/s
95th percentile per-packet one-way delay: 62.033 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 294.07 Mbit/s
95th percentile per-packet one-way delay: 62.033 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

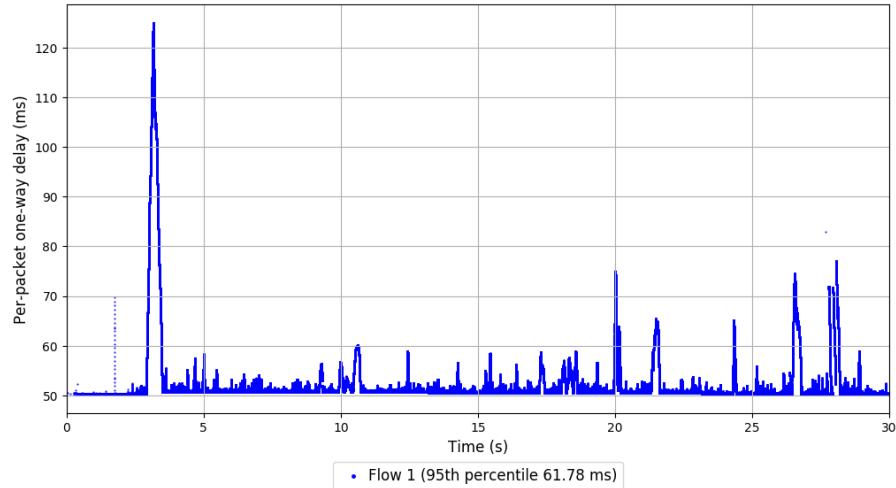
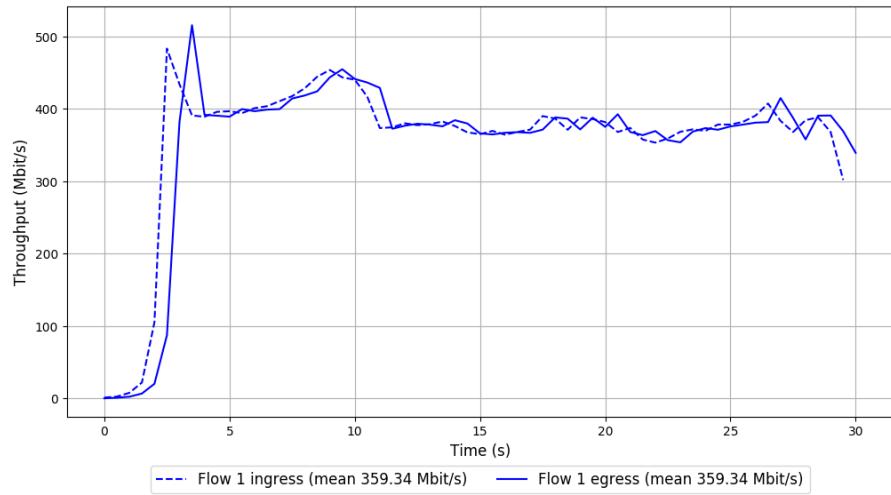


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-07 01:12:34
End at: 2018-06-07 01:13:04
Local clock offset: 0.011 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-06-07 04:55:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 359.34 Mbit/s
95th percentile per-packet one-way delay: 61.776 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 359.34 Mbit/s
95th percentile per-packet one-way delay: 61.776 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

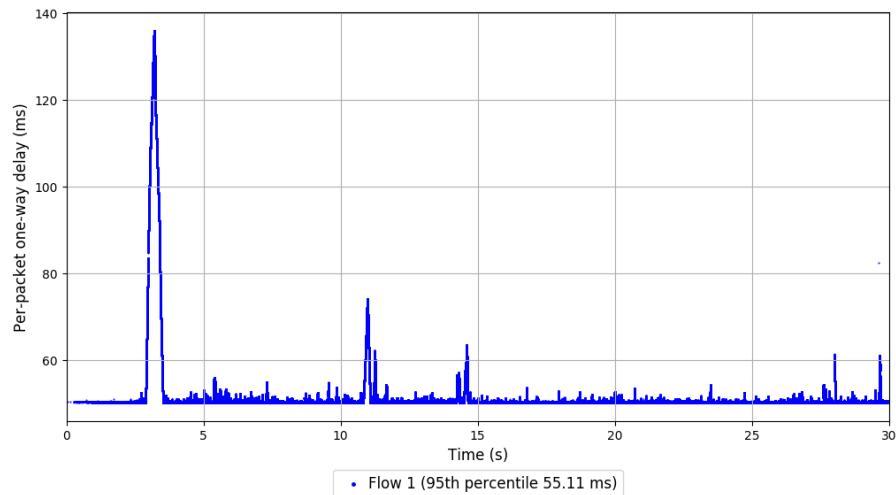
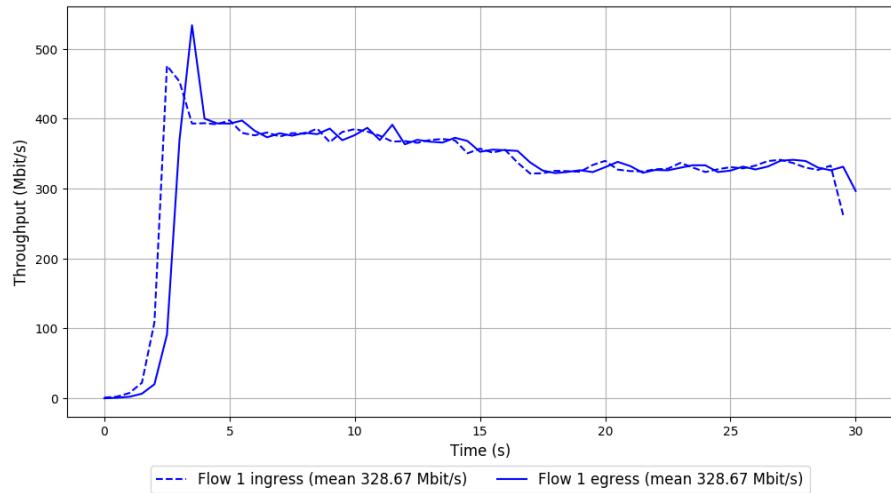


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-07 01:33:04
End at: 2018-06-07 01:33:34
Local clock offset: -0.034 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-06-07 04:55:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 328.67 Mbit/s
95th percentile per-packet one-way delay: 55.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 328.67 Mbit/s
95th percentile per-packet one-way delay: 55.112 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

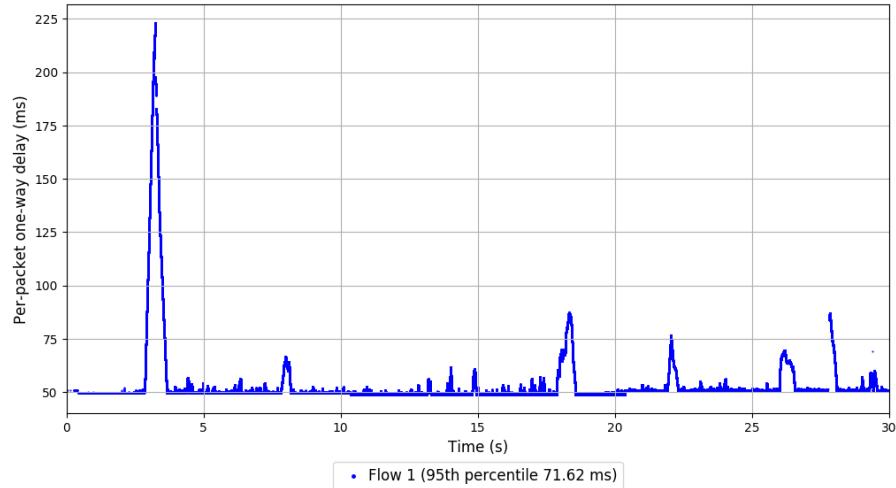
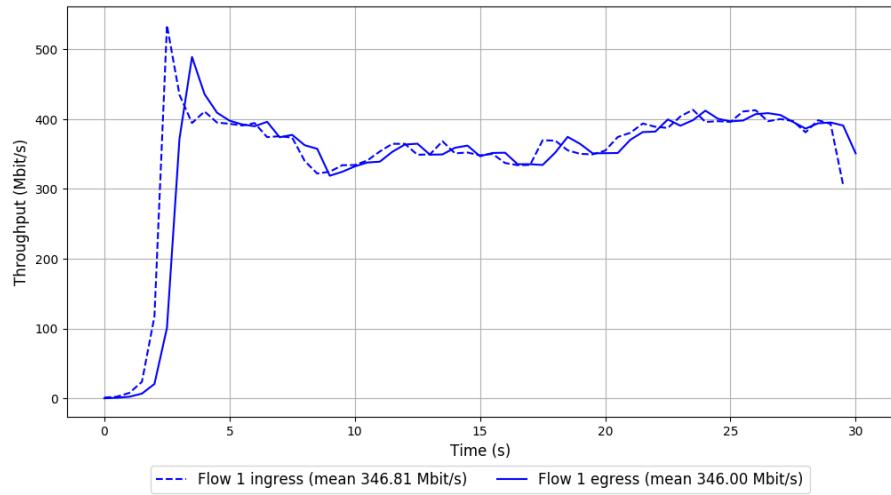


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-07 01:53:27
End at: 2018-06-07 01:53:57
Local clock offset: -0.096 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-06-07 04:56:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.00 Mbit/s
95th percentile per-packet one-way delay: 71.625 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 346.00 Mbit/s
95th percentile per-packet one-way delay: 71.625 ms
Loss rate: 0.23%
```

Run 6: Report of PCC-Vivace — Data Link

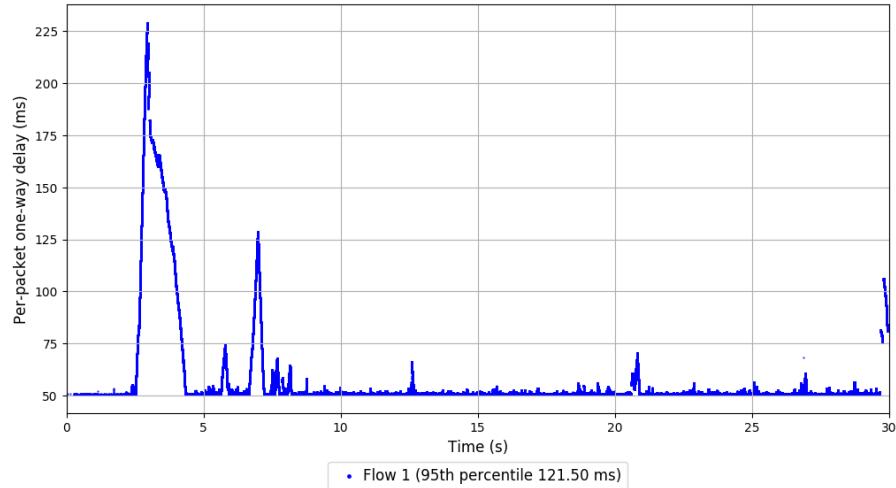
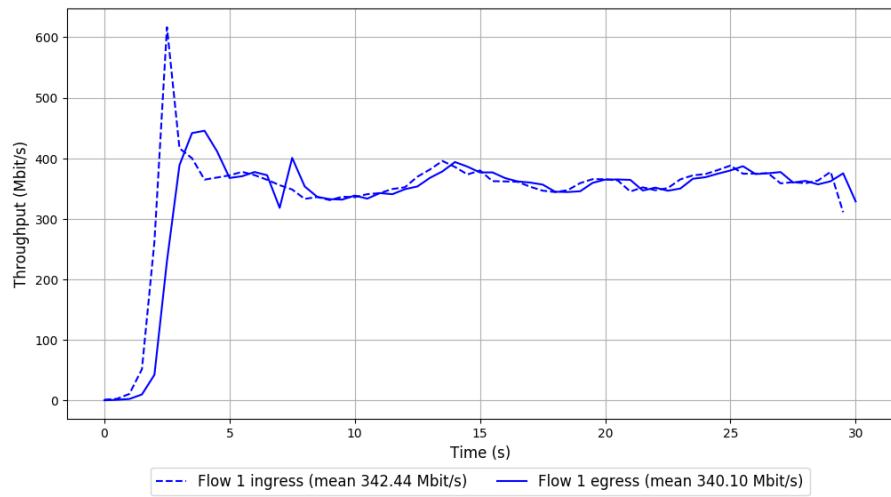


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-07 02:14:02
End at: 2018-06-07 02:14:32
Local clock offset: 0.007 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-06-07 04:56:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 340.10 Mbit/s
95th percentile per-packet one-way delay: 121.495 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 340.10 Mbit/s
95th percentile per-packet one-way delay: 121.495 ms
Loss rate: 0.68%
```

Run 7: Report of PCC-Vivace — Data Link

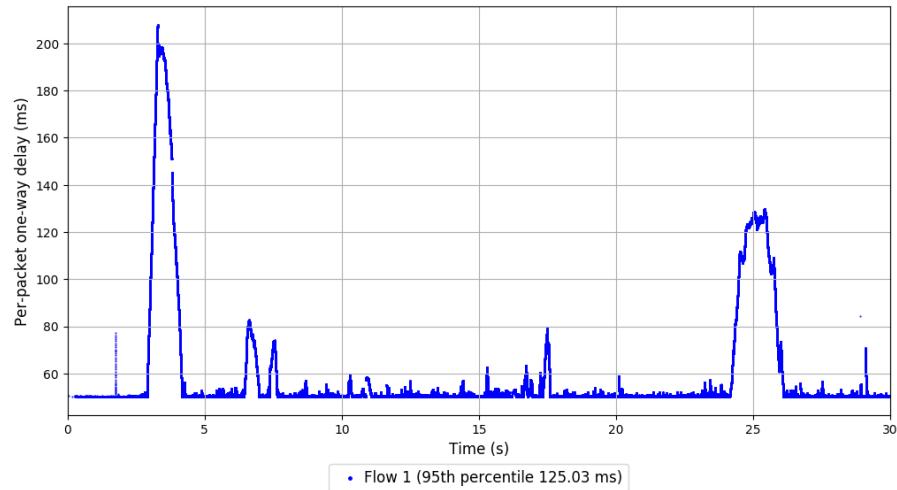
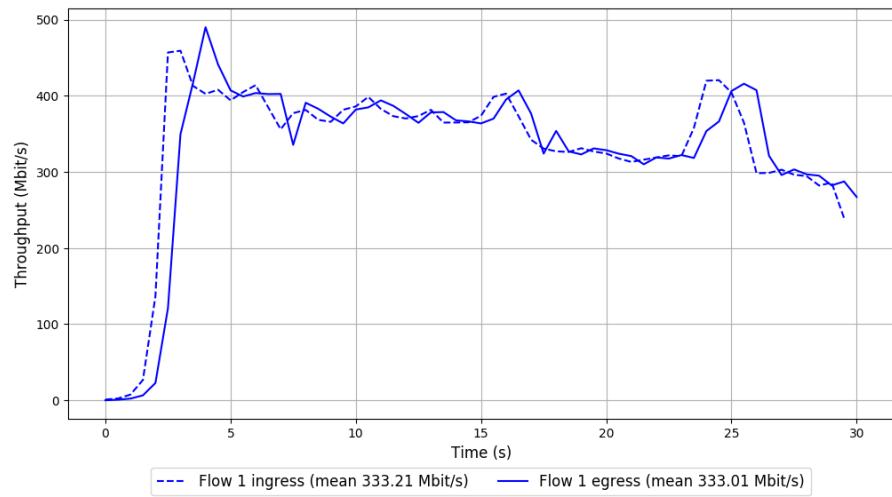


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-07 02:34:17
End at: 2018-06-07 02:34:47
Local clock offset: 0.058 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-06-07 04:56:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.01 Mbit/s
95th percentile per-packet one-way delay: 125.032 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 333.01 Mbit/s
95th percentile per-packet one-way delay: 125.032 ms
Loss rate: 0.06%
```

Run 8: Report of PCC-Vivace — Data Link

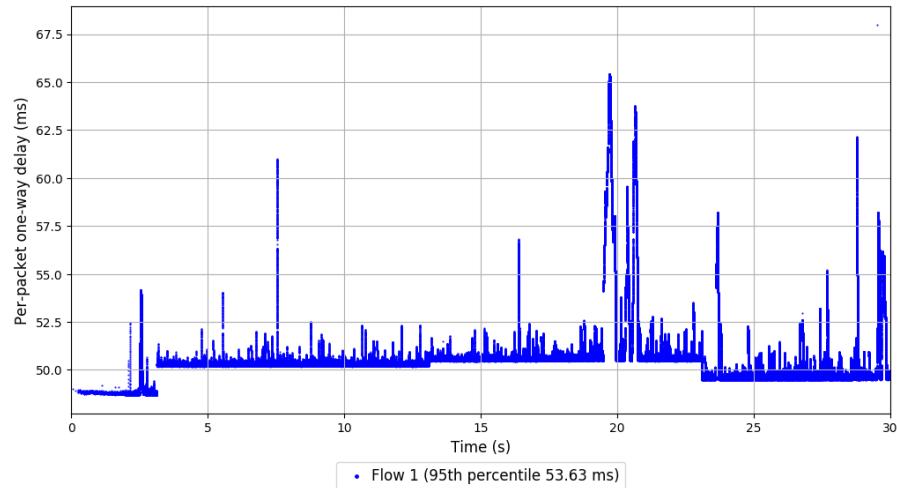
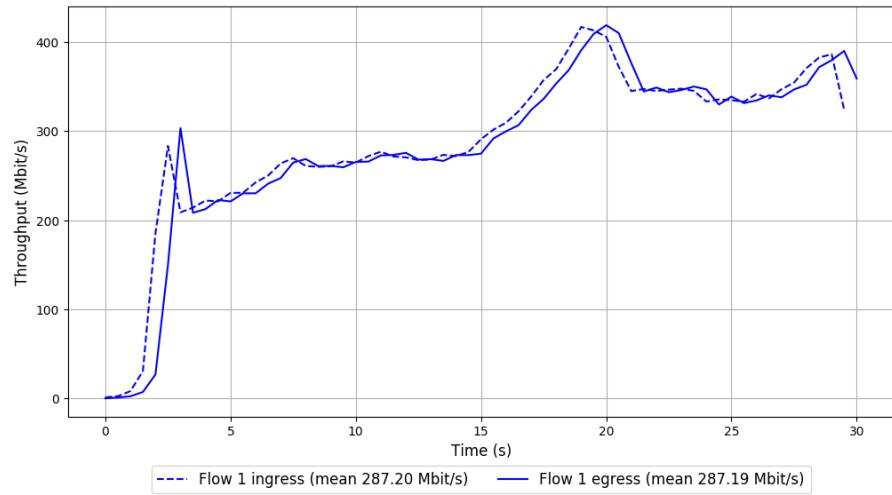


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-07 02:54:34
End at: 2018-06-07 02:55:04
Local clock offset: -0.005 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-06-07 04:56:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 287.19 Mbit/s
95th percentile per-packet one-way delay: 53.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 287.19 Mbit/s
95th percentile per-packet one-way delay: 53.629 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

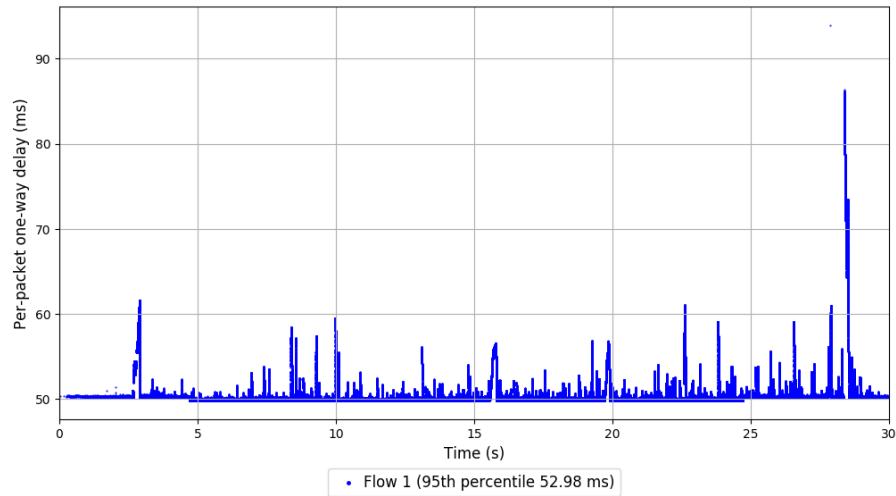
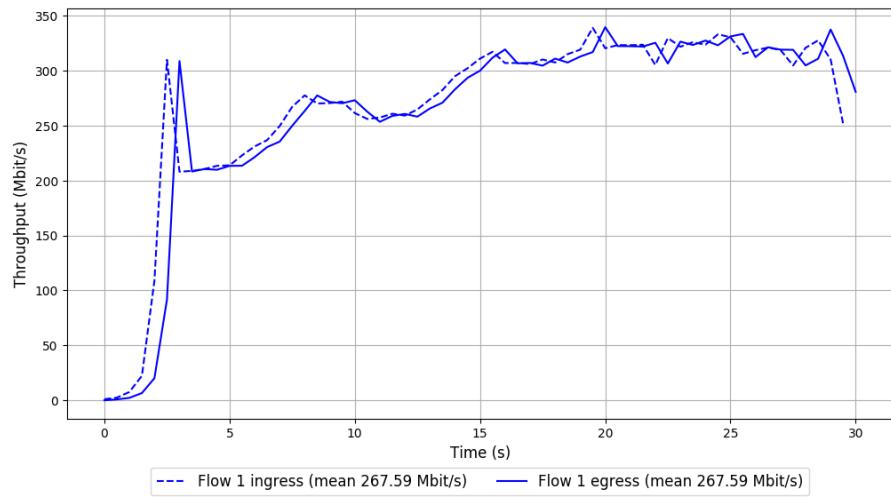


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-07 03:14:52
End at: 2018-06-07 03:15:22
Local clock offset: 0.38 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.59 Mbit/s
95th percentile per-packet one-way delay: 52.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.59 Mbit/s
95th percentile per-packet one-way delay: 52.982 ms
Loss rate: 0.00%
```

Run 10: Report of PCC-Vivace — Data Link

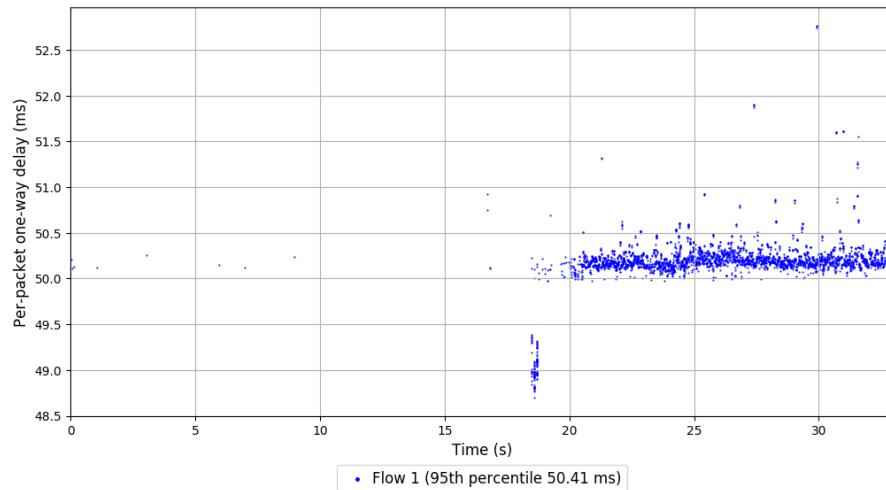
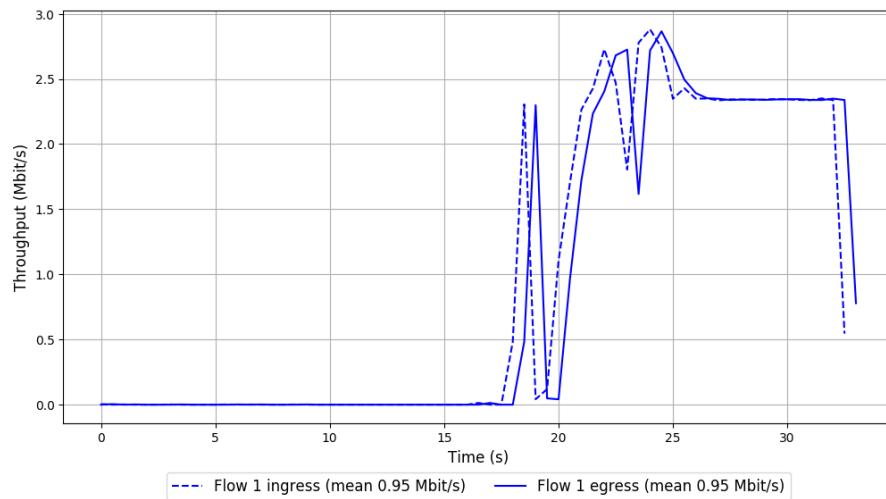


Run 1: Statistics of WebRTC media

```
Start at: 2018-06-07 00:00:16
End at: 2018-06-07 00:00:46
Local clock offset: -0.014 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 50.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 50.405 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

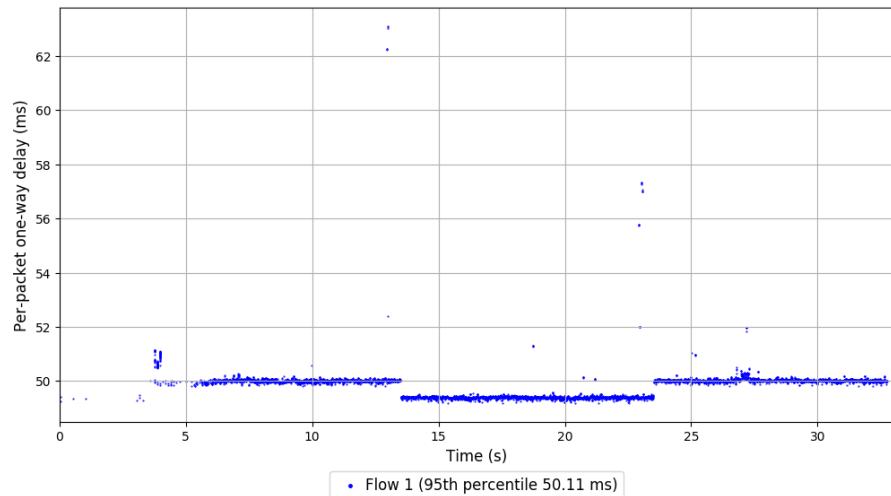
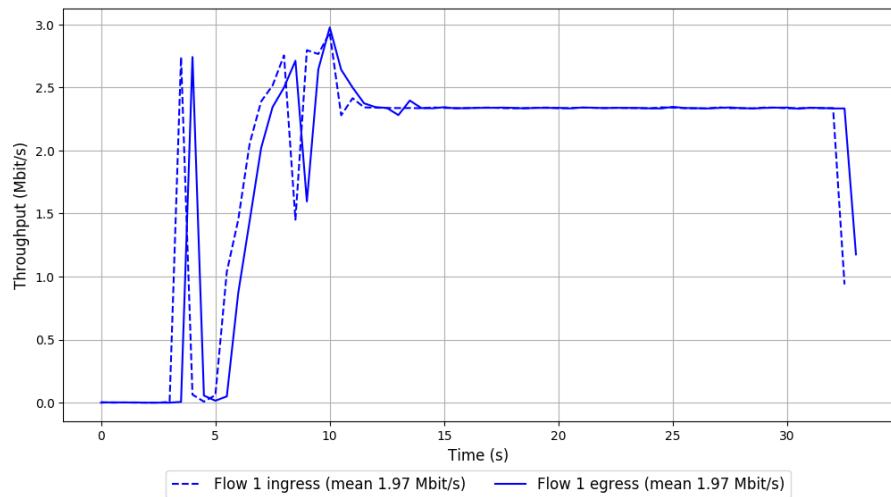


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-07 00:20:37
End at: 2018-06-07 00:21:07
Local clock offset: 0.31 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 50.112 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

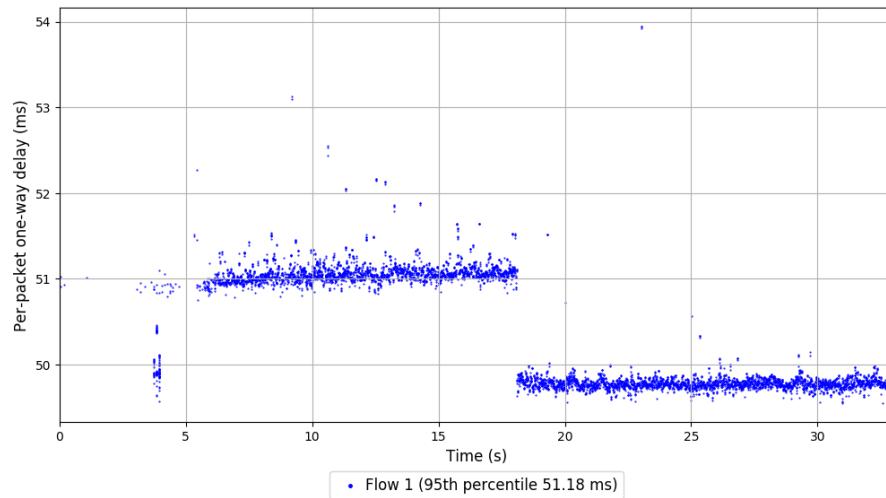
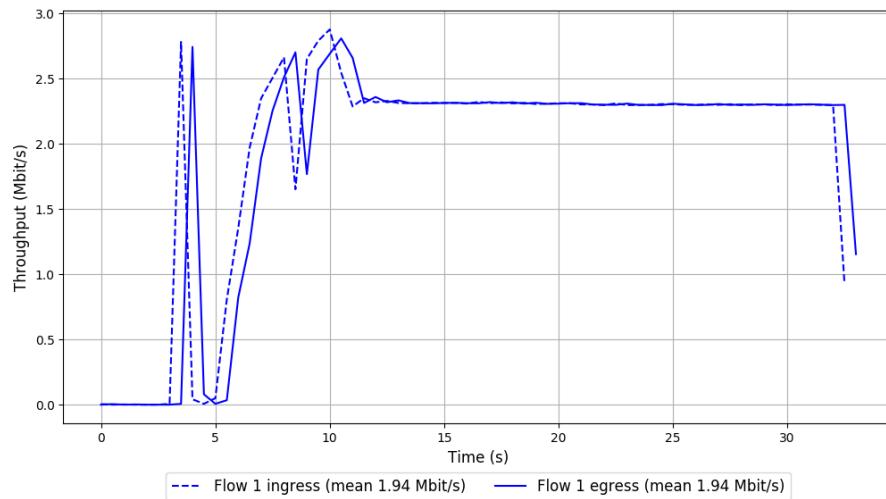


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-07 00:40:42
End at: 2018-06-07 00:41:12
Local clock offset: -0.058 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 51.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 51.177 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

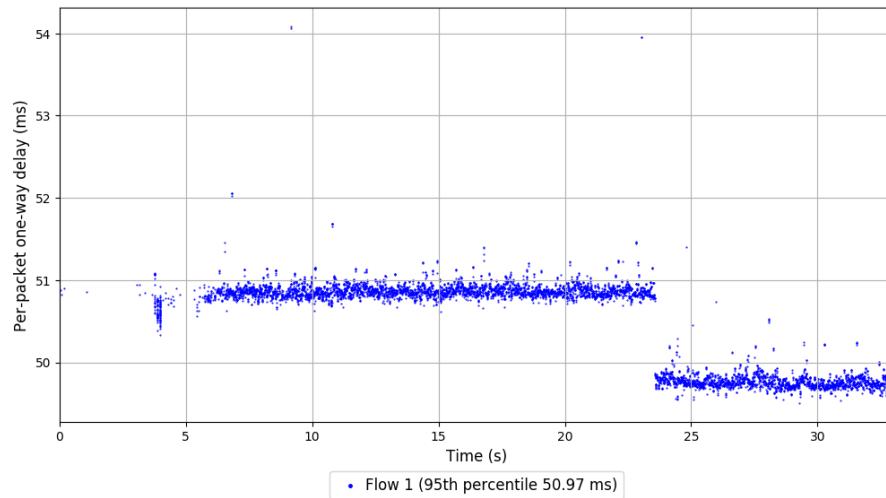
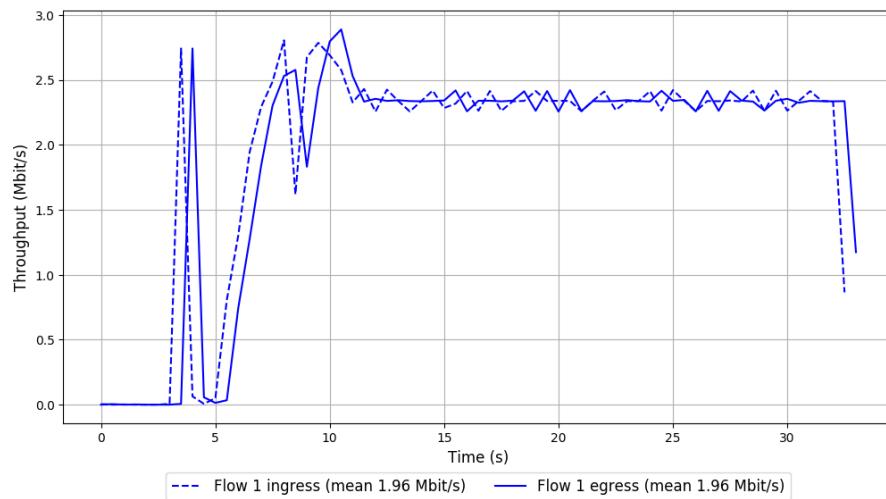


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-07 01:01:07
End at: 2018-06-07 01:01:37
Local clock offset: -0.025 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.974 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

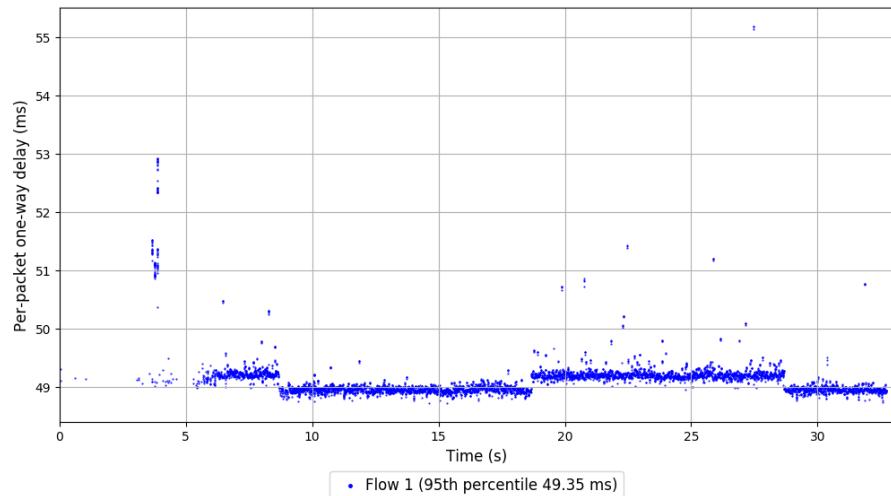
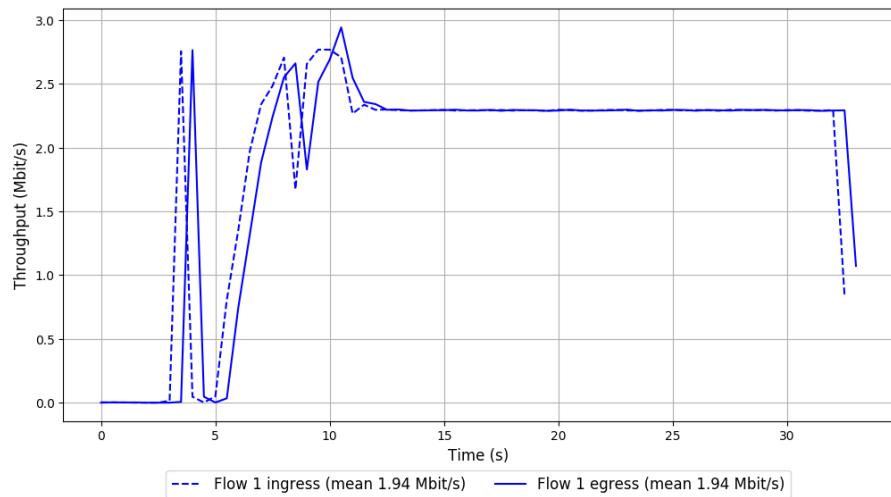


Run 5: Statistics of WebRTC media

```
Start at: 2018-06-07 01:21:42
End at: 2018-06-07 01:22:12
Local clock offset: 0.031 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 49.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 49.347 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

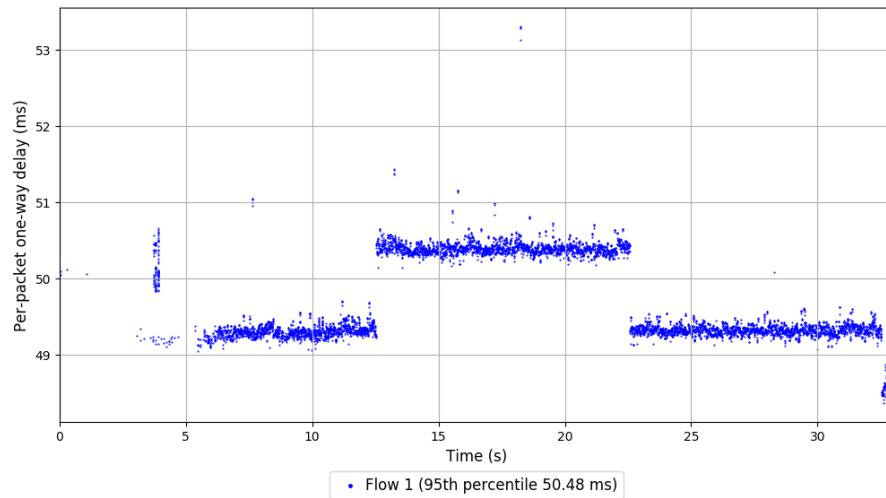
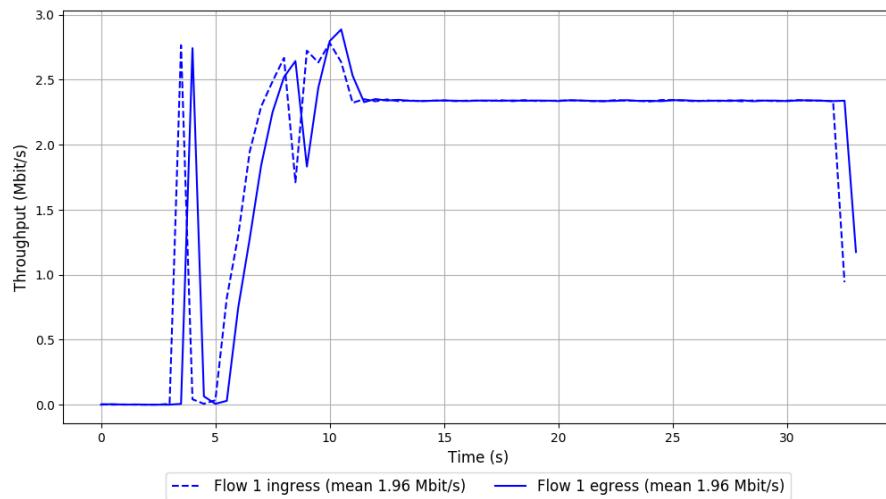


Run 6: Statistics of WebRTC media

```
Start at: 2018-06-07 01:42:07
End at: 2018-06-07 01:42:37
Local clock offset: 0.294 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 50.477 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

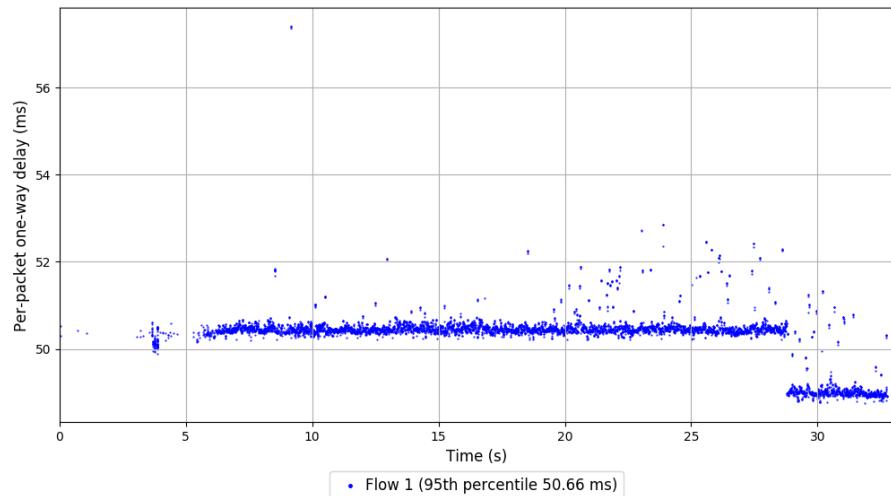
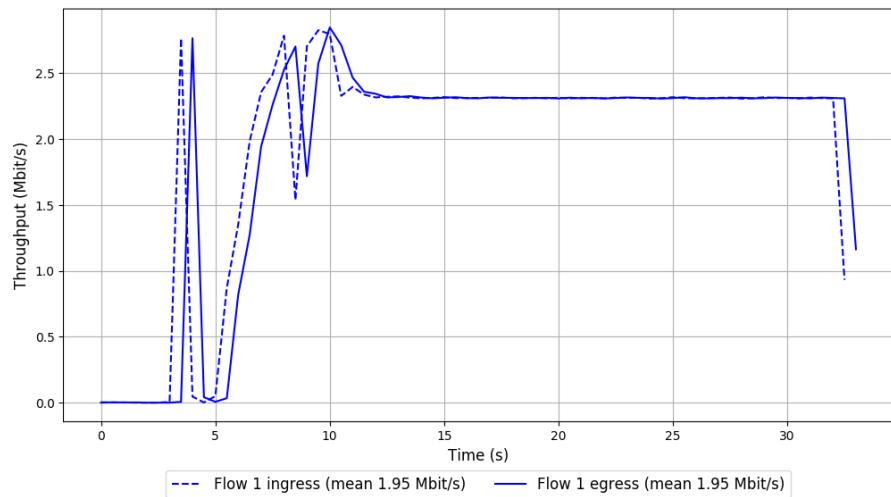


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-07 02:02:31
End at: 2018-06-07 02:03:01
Local clock offset: -0.038 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.663 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

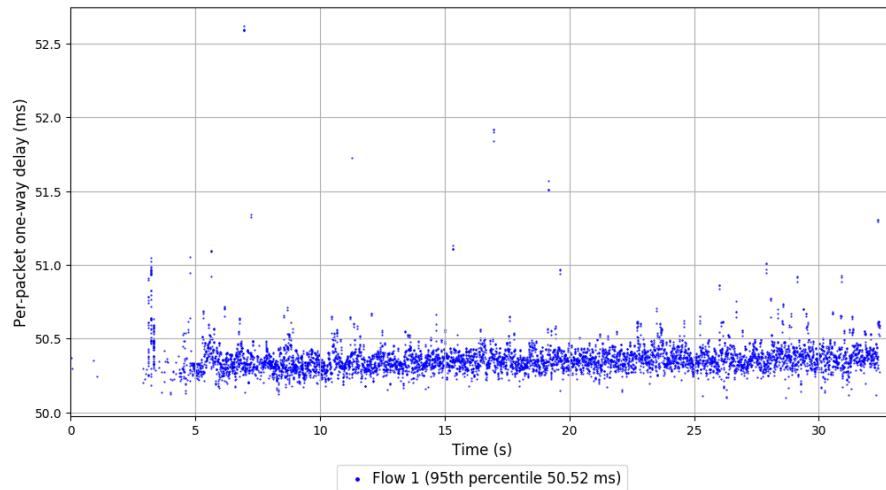
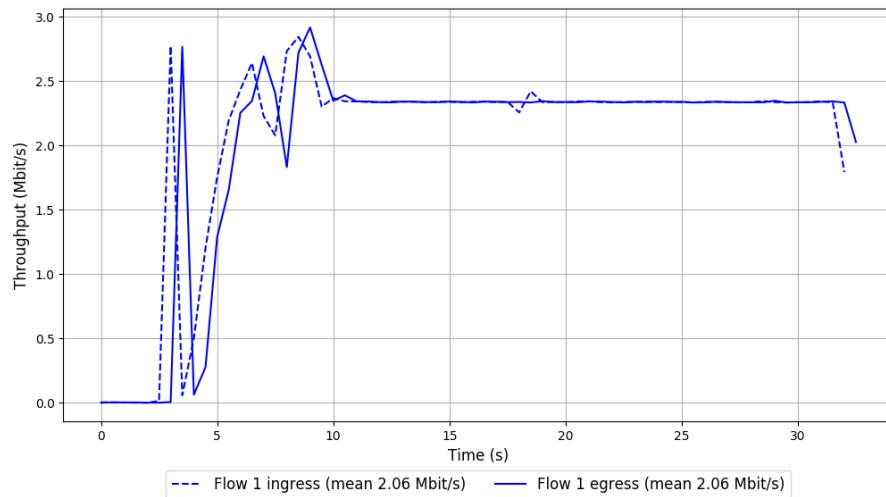


```
Run 8: Statistics of WebRTC media

Start at: 2018-06-07 02:22:57
End at: 2018-06-07 02:23:27
Local clock offset: 0.397 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 50.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 50.516 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

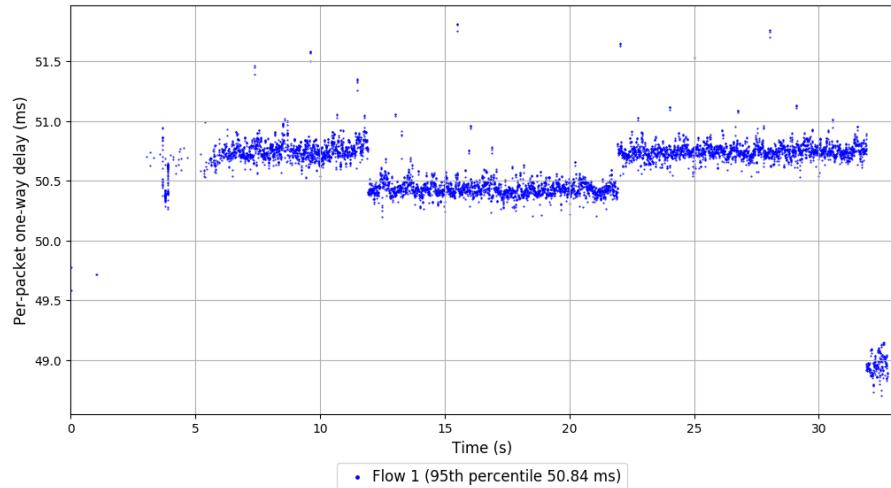
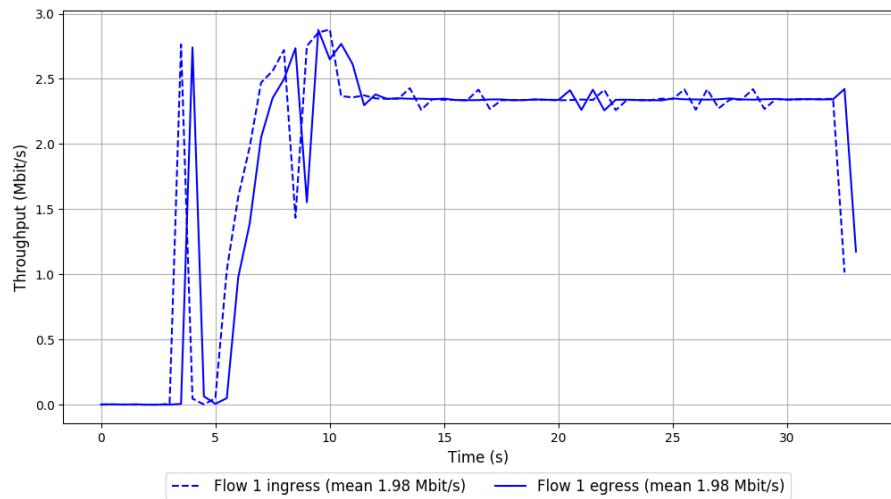


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-07 02:43:08
End at: 2018-06-07 02:43:38
Local clock offset: 0.005 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.844 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 50.844 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-07 03:03:33
End at: 2018-06-07 03:04:03
Local clock offset: -0.018 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-06-07 04:56:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

