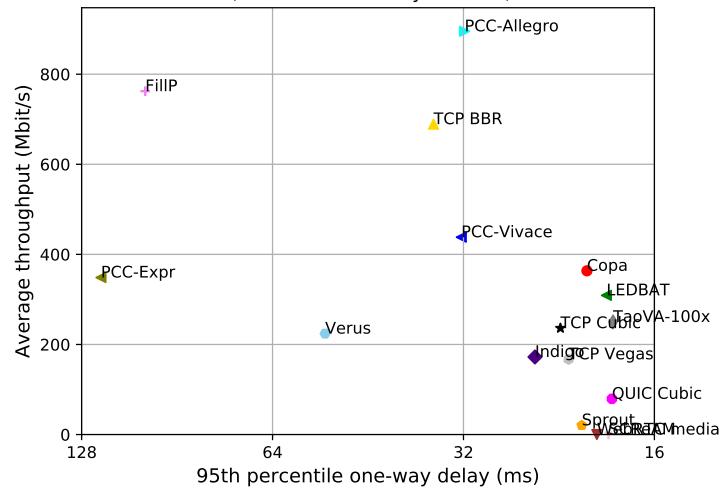


Pantheon Report

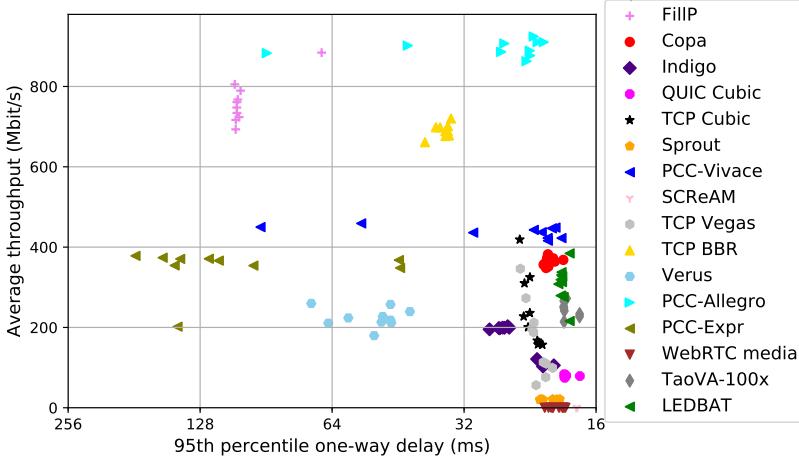
Generated at 2018-05-22 03:18:13 (UTC).
Data path: AWS California 1 Ethernet (*local*) → Stanford Ethernet (*remote*).
Repeated the test of 16 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

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

test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme



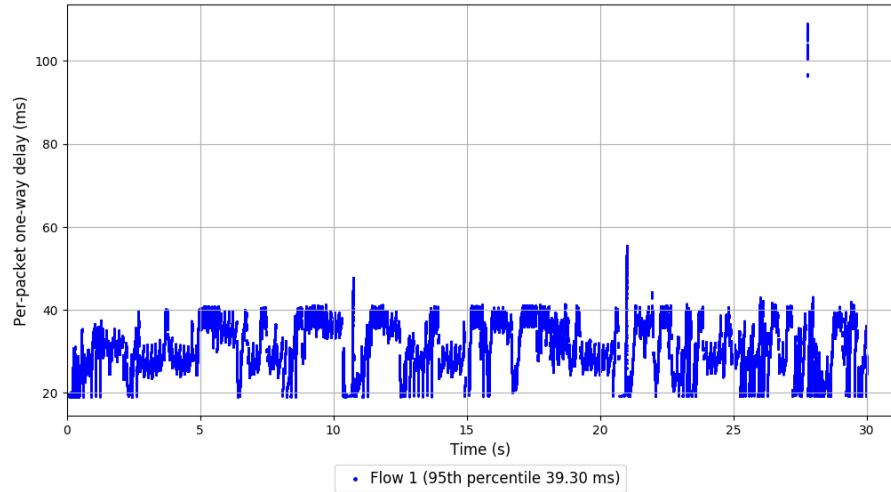
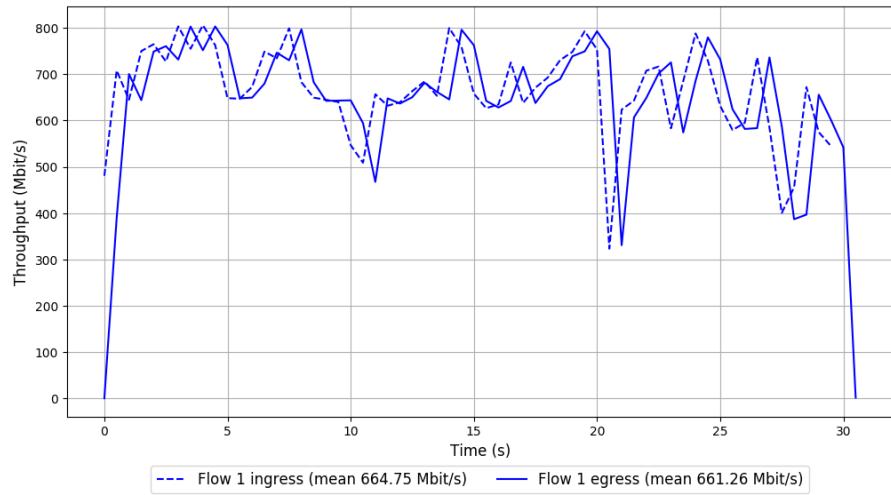
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	689.08	35.67	0.40
Copa	10	363.51	20.44	0.01
TCP Cubic	10	236.23	22.51	0.05
FillP	10	762.27	101.60	3.71
Indigo	10	172.23	24.68	0.01
LEDBAT	10	309.04	19.05	0.01
PCC-Allegro	10	895.19	31.87	0.52
PCC-Expr	10	348.58	119.34	5.16
QUIC Cubic	9	79.34	18.67	0.00
SCReAM	10	0.21	18.90	0.02
Sprout	10	20.50	20.83	0.02
TaoVA-100x	10	249.98	18.59	0.01
TCP Vegas	10	167.07	21.85	0.07
Verus	10	224.09	52.89	19.68
PCC-Vivace	10	438.12	32.26	0.03
WebRTC media	10	0.05	19.72	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2018-05-21 21:57:01
End at: 2018-05-21 21:57:31
Local clock offset: -2.865 ms
Remote clock offset: 2.144 ms

# Below is generated by plot.py at 2018-05-22 01:51:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 661.26 Mbit/s
95th percentile per-packet one-way delay: 39.301 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 661.26 Mbit/s
95th percentile per-packet one-way delay: 39.301 ms
Loss rate: 0.52%
```

Run 1: Report of TCP BBR — Data Link

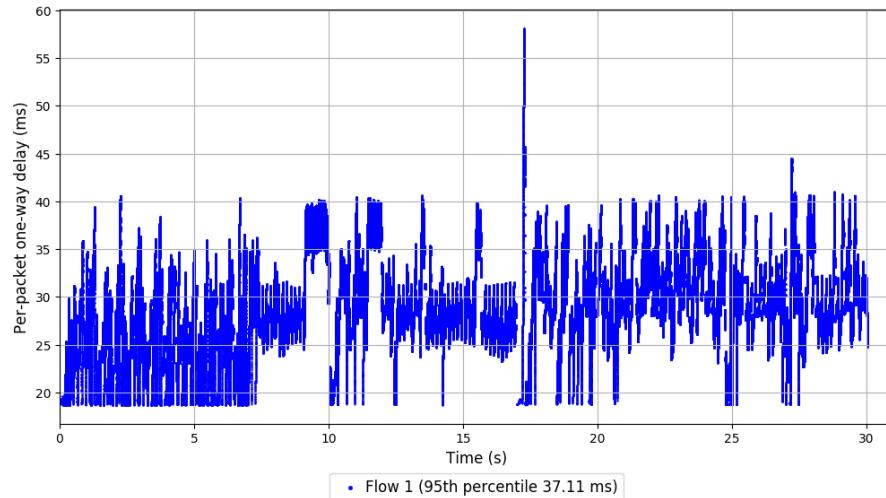
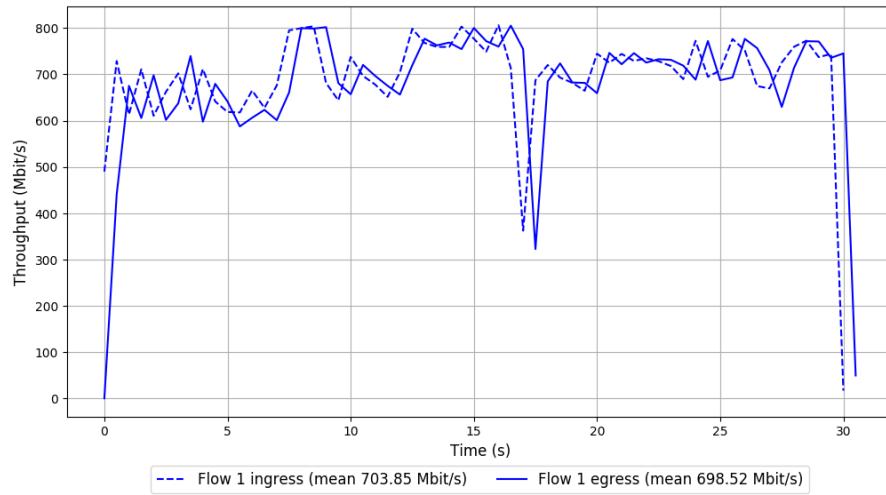


Run 2: Statistics of TCP BBR

```
Start at: 2018-05-21 22:21:01
End at: 2018-05-21 22:21:31
Local clock offset: -1.093 ms
Remote clock offset: 2.153 ms

# Below is generated by plot.py at 2018-05-22 01:52:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 698.52 Mbit/s
95th percentile per-packet one-way delay: 37.113 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 698.52 Mbit/s
95th percentile per-packet one-way delay: 37.113 ms
Loss rate: 0.76%
```

Run 2: Report of TCP BBR — Data Link

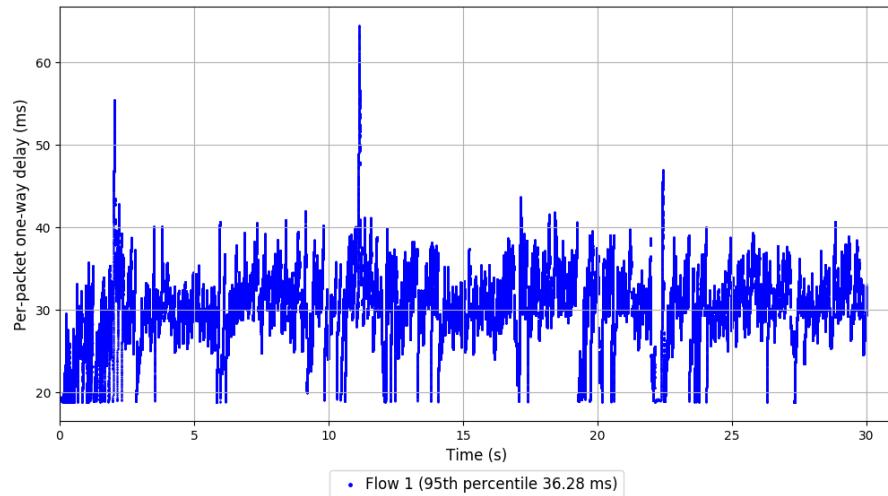
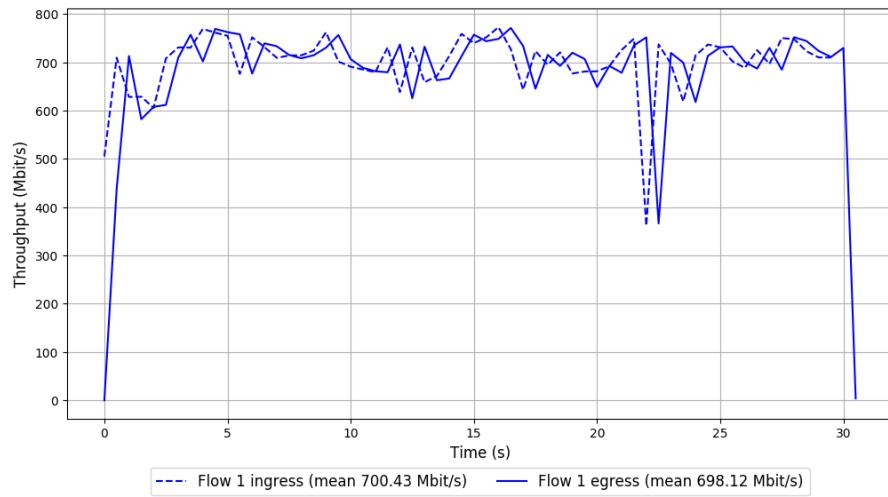


Run 3: Statistics of TCP BBR

```
Start at: 2018-05-21 22:44:50
End at: 2018-05-21 22:45:20
Local clock offset: 1.587 ms
Remote clock offset: 1.241 ms

# Below is generated by plot.py at 2018-05-22 01:52:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 698.12 Mbit/s
95th percentile per-packet one-way delay: 36.285 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 698.12 Mbit/s
95th percentile per-packet one-way delay: 36.285 ms
Loss rate: 0.33%
```

Run 3: Report of TCP BBR — Data Link

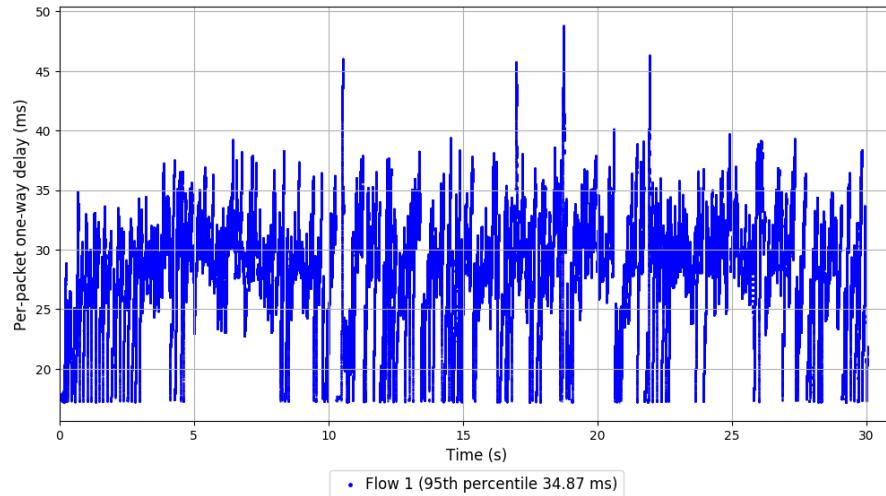
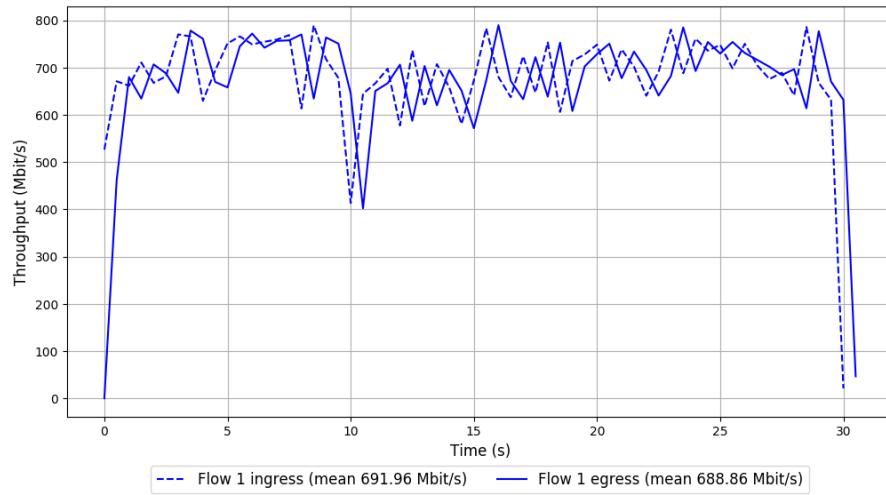


Run 4: Statistics of TCP BBR

```
Start at: 2018-05-21 23:08:48
End at: 2018-05-21 23:09:18
Local clock offset: 0.201 ms
Remote clock offset: 0.401 ms

# Below is generated by plot.py at 2018-05-22 01:52:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 688.86 Mbit/s
95th percentile per-packet one-way delay: 34.870 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 688.86 Mbit/s
95th percentile per-packet one-way delay: 34.870 ms
Loss rate: 0.44%
```

Run 4: Report of TCP BBR — Data Link

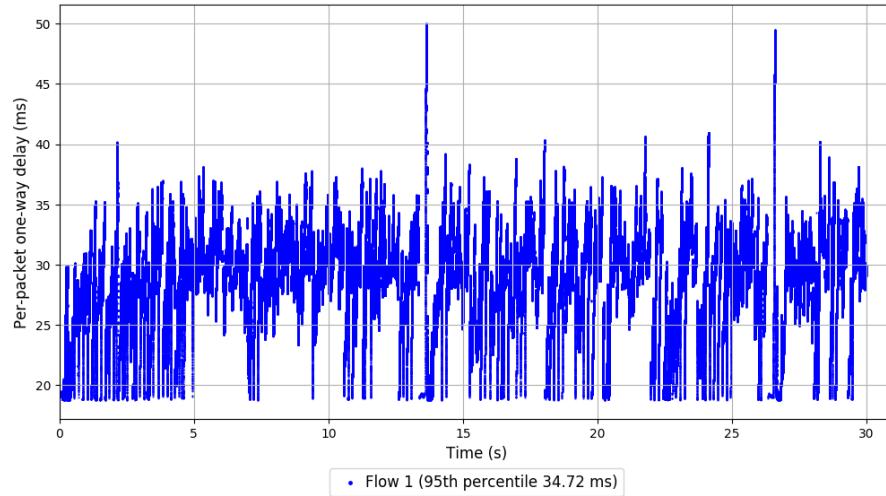
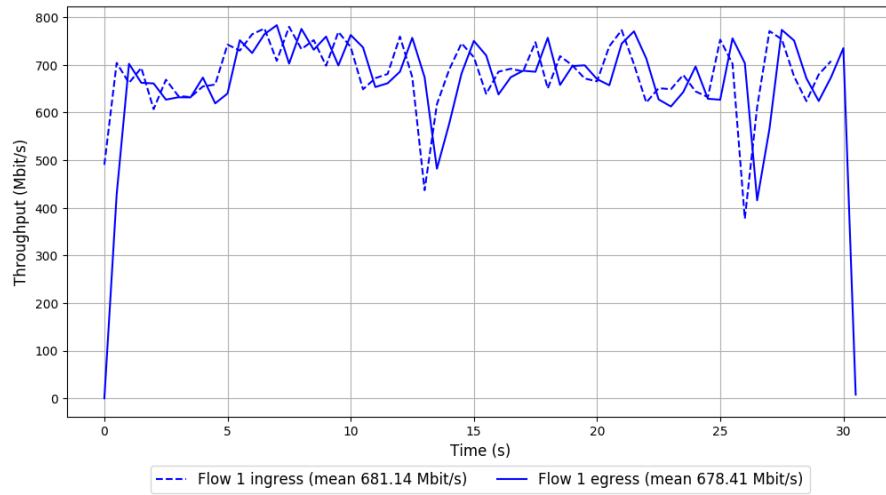


Run 5: Statistics of TCP BBR

```
Start at: 2018-05-21 23:32:44
End at: 2018-05-21 23:33:14
Local clock offset: -0.482 ms
Remote clock offset: 0.15 ms

# Below is generated by plot.py at 2018-05-22 01:52:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 678.41 Mbit/s
95th percentile per-packet one-way delay: 34.722 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 678.41 Mbit/s
95th percentile per-packet one-way delay: 34.722 ms
Loss rate: 0.40%
```

Run 5: Report of TCP BBR — Data Link

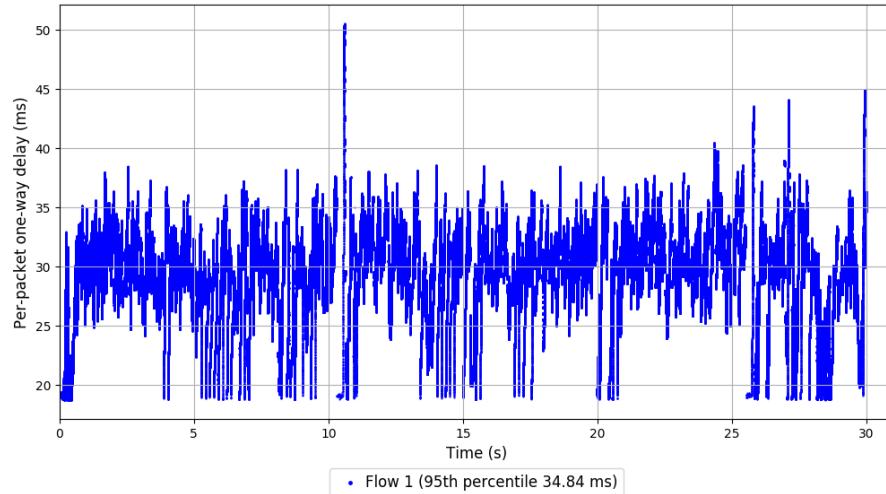
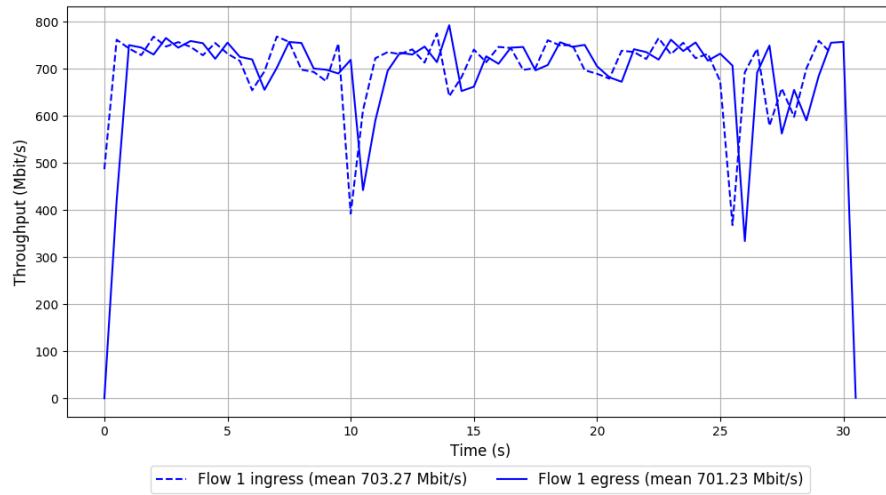


Run 6: Statistics of TCP BBR

```
Start at: 2018-05-21 23:56:44
End at: 2018-05-21 23:57:14
Local clock offset: -0.453 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-05-22 01:52:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 701.23 Mbit/s
95th percentile per-packet one-way delay: 34.836 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 701.23 Mbit/s
95th percentile per-packet one-way delay: 34.836 ms
Loss rate: 0.29%
```

Run 6: Report of TCP BBR — Data Link

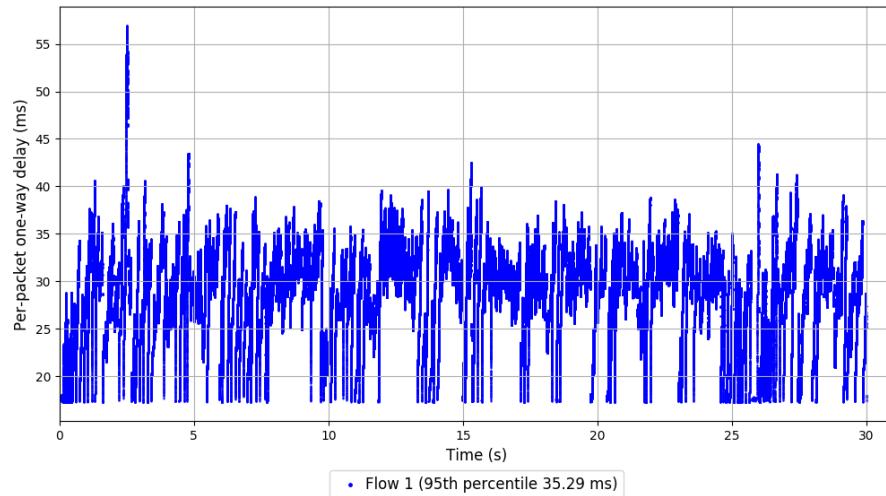
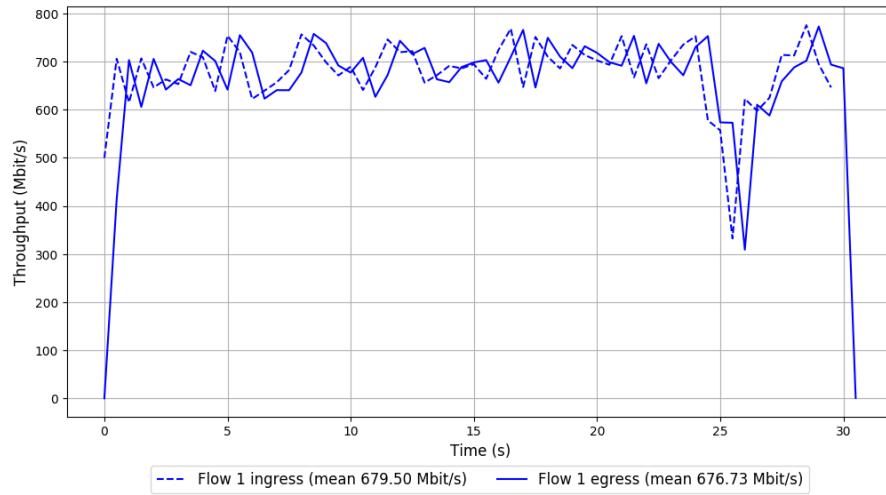


Run 7: Statistics of TCP BBR

```
Start at: 2018-05-22 00:20:32
End at: 2018-05-22 00:21:02
Local clock offset: 0.12 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-05-22 01:52:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 676.73 Mbit/s
95th percentile per-packet one-way delay: 35.292 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 676.73 Mbit/s
95th percentile per-packet one-way delay: 35.292 ms
Loss rate: 0.41%
```

Run 7: Report of TCP BBR — Data Link

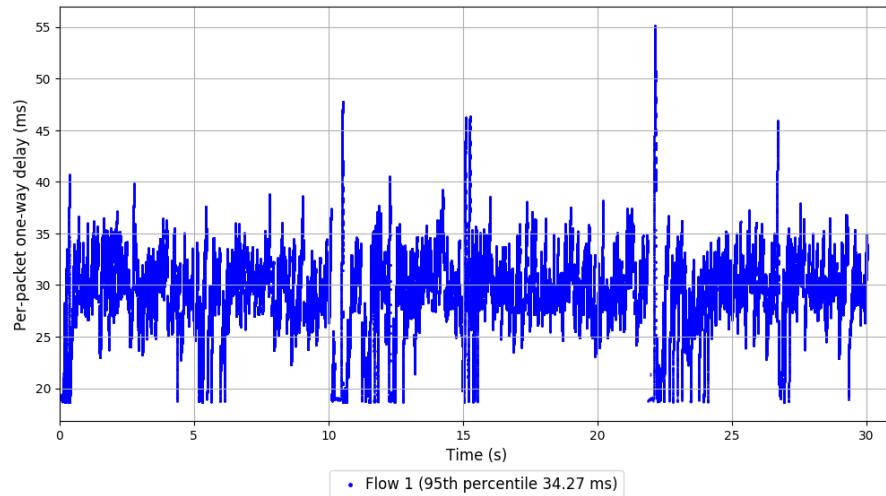
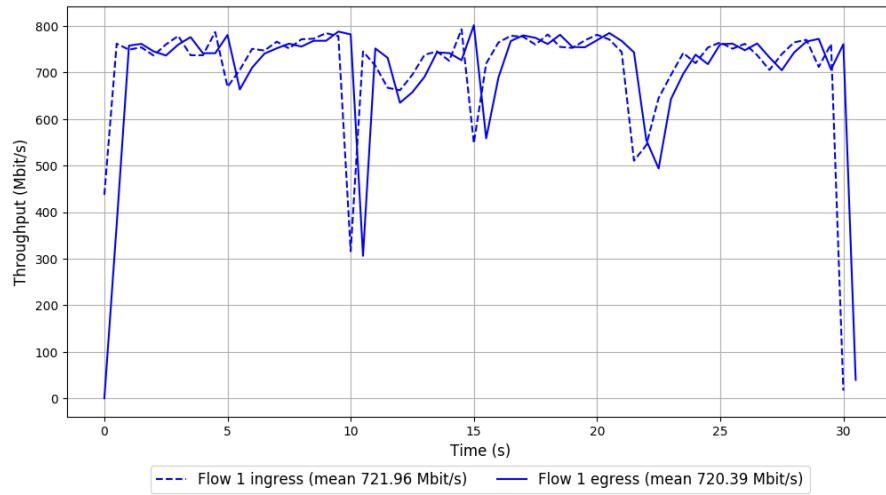


Run 8: Statistics of TCP BBR

```
Start at: 2018-05-22 00:44:17
End at: 2018-05-22 00:44:47
Local clock offset: 0.215 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-05-22 01:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 720.39 Mbit/s
95th percentile per-packet one-way delay: 34.275 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 720.39 Mbit/s
95th percentile per-packet one-way delay: 34.275 ms
Loss rate: 0.22%
```

Run 8: Report of TCP BBR — Data Link

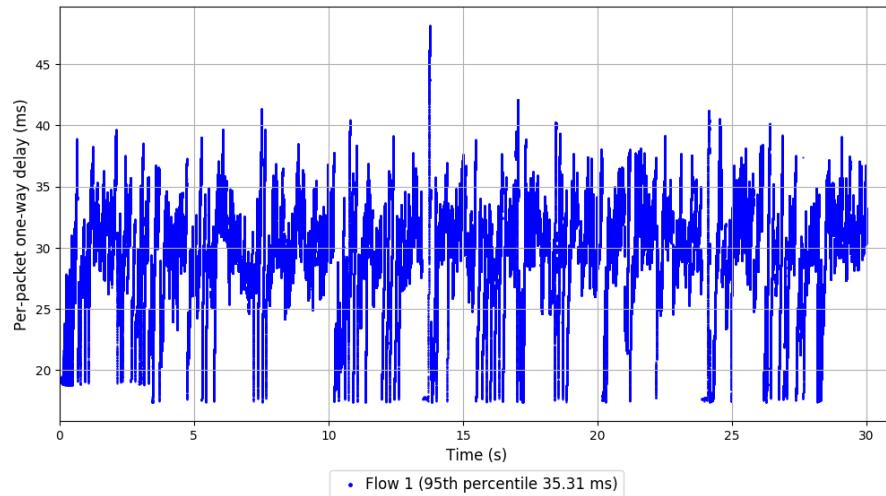
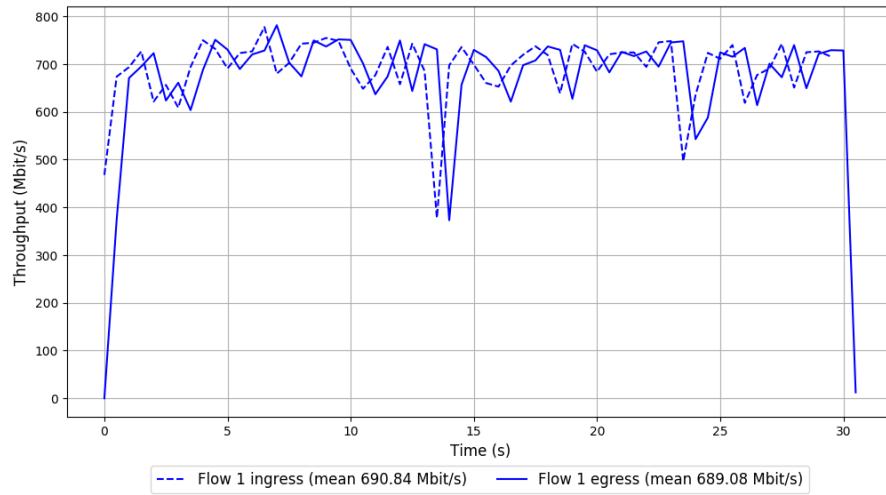


Run 9: Statistics of TCP BBR

```
Start at: 2018-05-22 01:07:53
End at: 2018-05-22 01:08:23
Local clock offset: 0.036 ms
Remote clock offset: 0.033 ms

# Below is generated by plot.py at 2018-05-22 02:00:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 689.08 Mbit/s
95th percentile per-packet one-way delay: 35.307 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 689.08 Mbit/s
95th percentile per-packet one-way delay: 35.307 ms
Loss rate: 0.26%
```

Run 9: Report of TCP BBR — Data Link

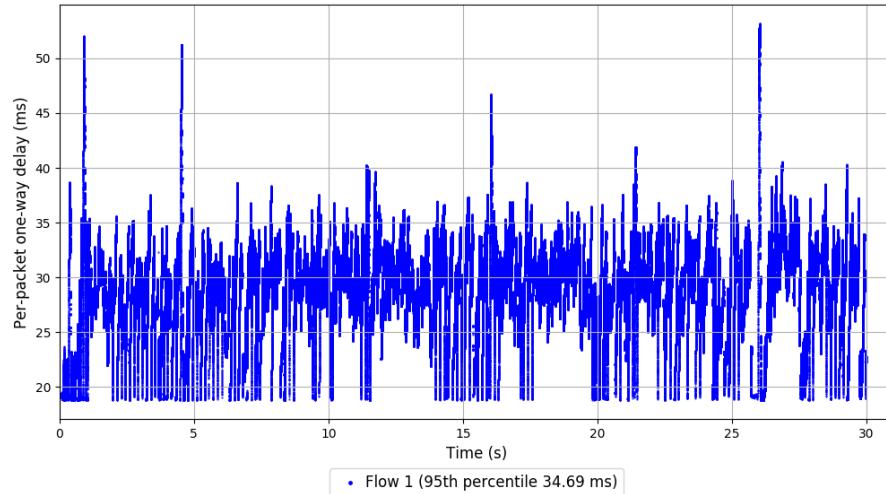
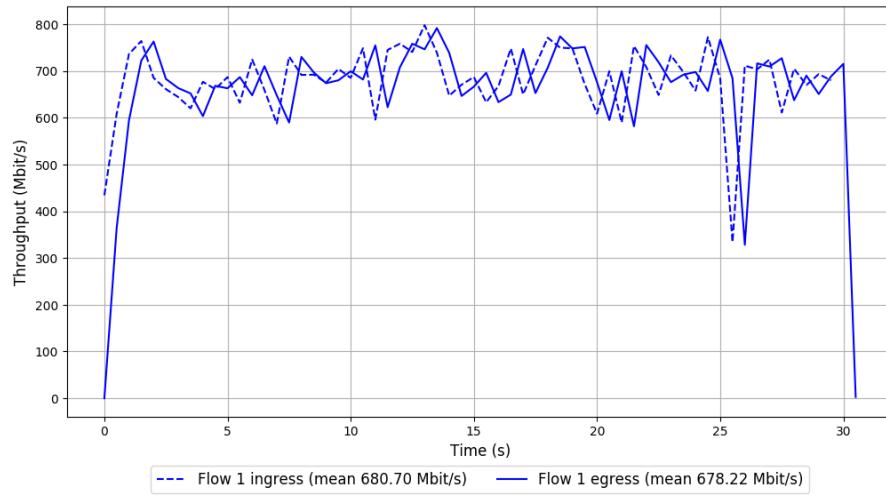


Run 10: Statistics of TCP BBR

```
Start at: 2018-05-22 01:31:28
End at: 2018-05-22 01:31:58
Local clock offset: 0.004 ms
Remote clock offset: 0.178 ms

# Below is generated by plot.py at 2018-05-22 02:00:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 678.22 Mbit/s
95th percentile per-packet one-way delay: 34.688 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 678.22 Mbit/s
95th percentile per-packet one-way delay: 34.688 ms
Loss rate: 0.36%
```

Run 10: Report of TCP BBR — Data Link

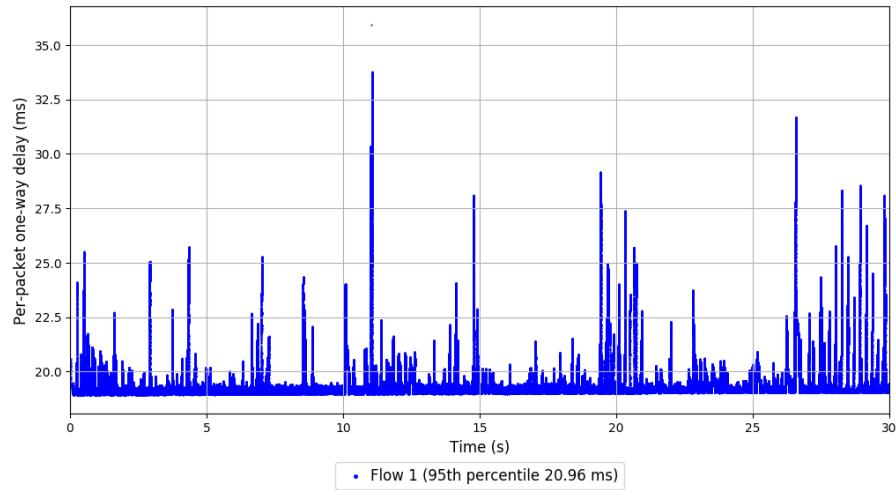
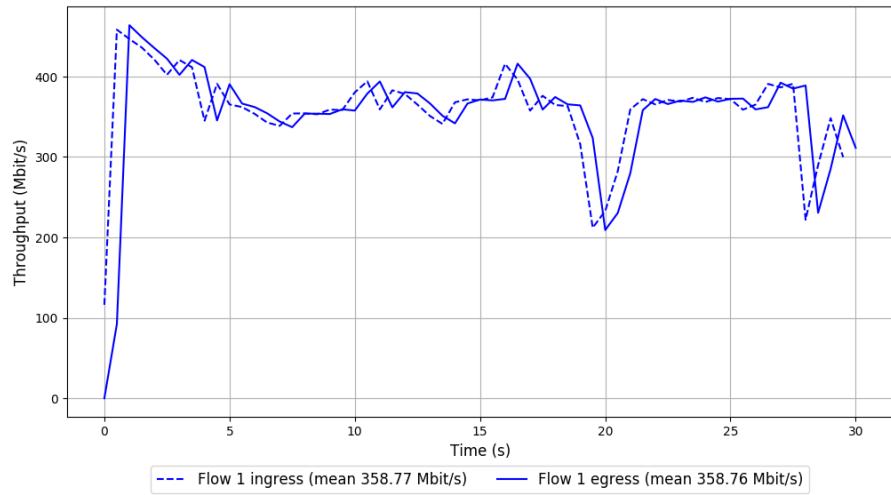


Run 1: Statistics of Copa

```
Start at: 2018-05-21 21:58:41
End at: 2018-05-21 21:59:11
Local clock offset: -2.408 ms
Remote clock offset: 2.092 ms

# Below is generated by plot.py at 2018-05-22 02:00:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 358.76 Mbit/s
95th percentile per-packet one-way delay: 20.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 358.76 Mbit/s
95th percentile per-packet one-way delay: 20.961 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

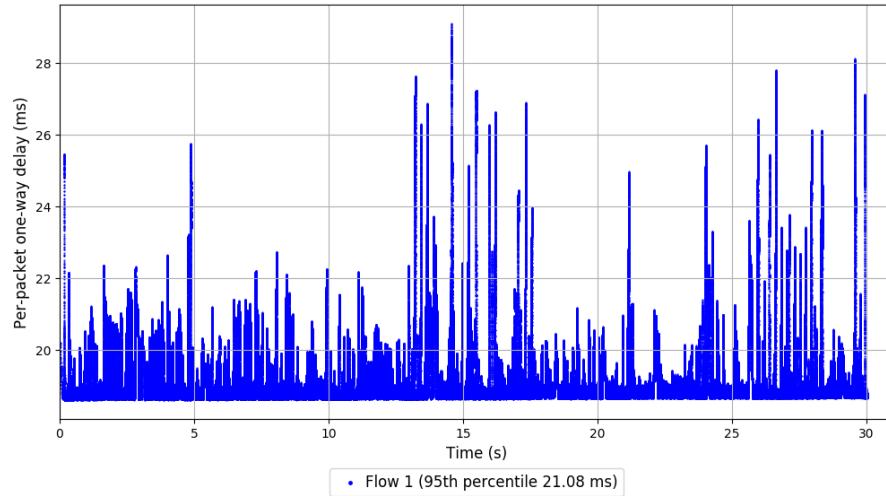
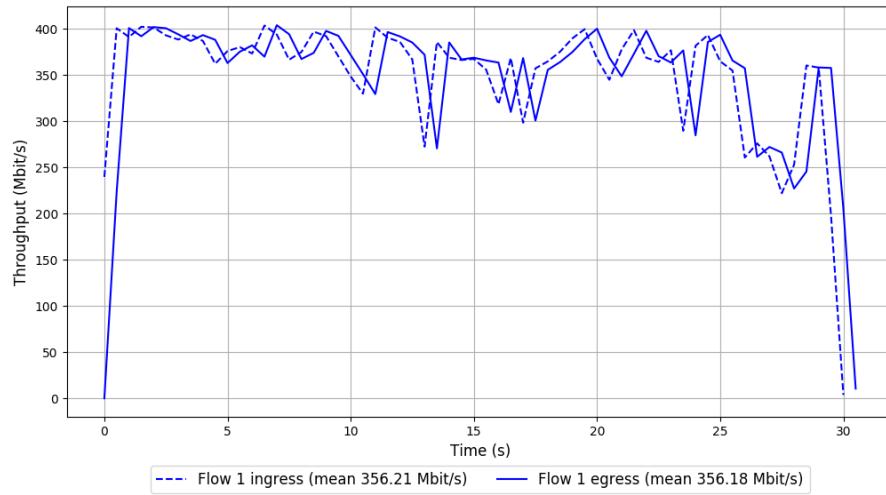


Run 2: Statistics of Copa

```
Start at: 2018-05-21 22:22:44
End at: 2018-05-21 22:23:14
Local clock offset: -1.155 ms
Remote clock offset: 1.778 ms

# Below is generated by plot.py at 2018-05-22 02:00:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.18 Mbit/s
95th percentile per-packet one-way delay: 21.077 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 356.18 Mbit/s
95th percentile per-packet one-way delay: 21.077 ms
Loss rate: 0.01%
```

Run 2: Report of Copa — Data Link

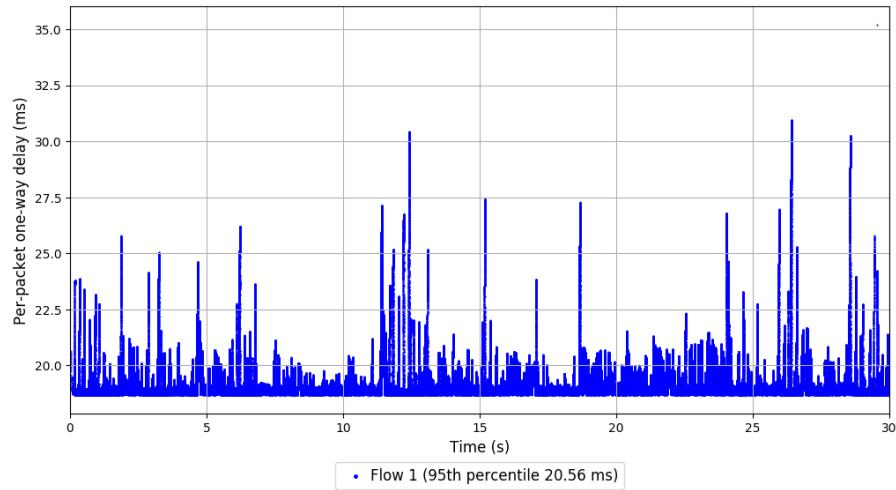
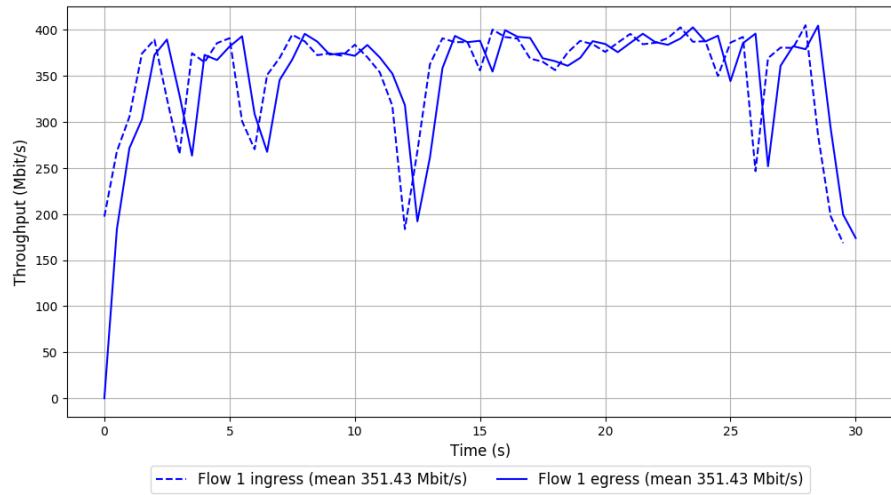


Run 3: Statistics of Copa

```
Start at: 2018-05-21 22:46:31
End at: 2018-05-21 22:47:01
Local clock offset: 1.738 ms
Remote clock offset: 1.29 ms

# Below is generated by plot.py at 2018-05-22 02:00:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 351.43 Mbit/s
95th percentile per-packet one-way delay: 20.562 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 351.43 Mbit/s
95th percentile per-packet one-way delay: 20.562 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

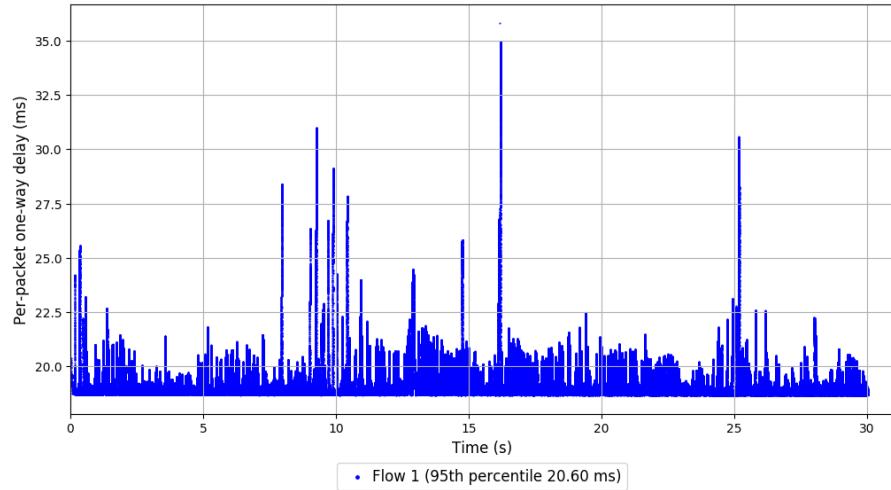
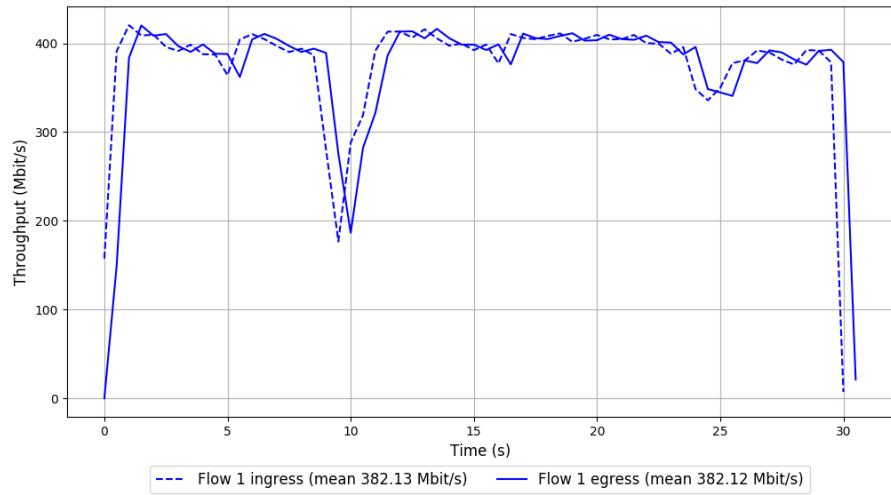


Run 4: Statistics of Copa

```
Start at: 2018-05-21 23:10:31
End at: 2018-05-21 23:11:02
Local clock offset: -0.019 ms
Remote clock offset: 0.335 ms

# Below is generated by plot.py at 2018-05-22 02:01:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 382.12 Mbit/s
95th percentile per-packet one-way delay: 20.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 382.12 Mbit/s
95th percentile per-packet one-way delay: 20.599 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

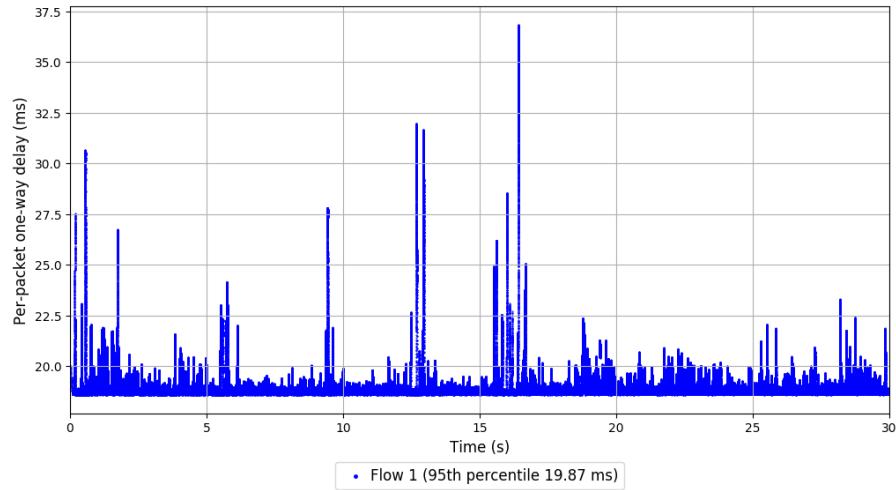
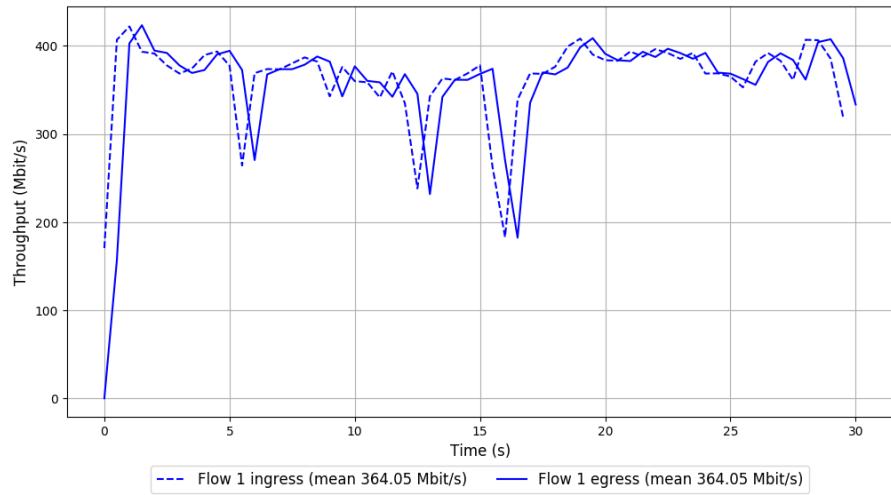


Run 5: Statistics of Copa

```
Start at: 2018-05-21 23:34:24
End at: 2018-05-21 23:34:54
Local clock offset: -0.343 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-05-22 02:01:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 364.05 Mbit/s
95th percentile per-packet one-way delay: 19.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 364.05 Mbit/s
95th percentile per-packet one-way delay: 19.870 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

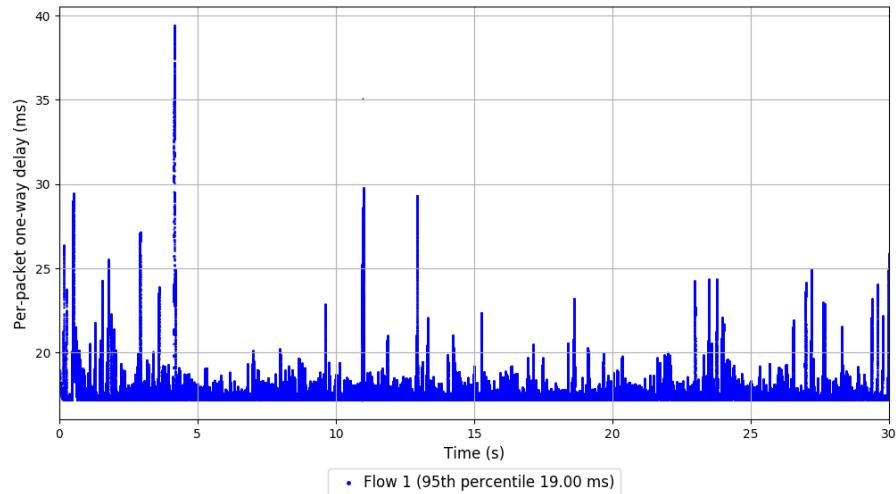
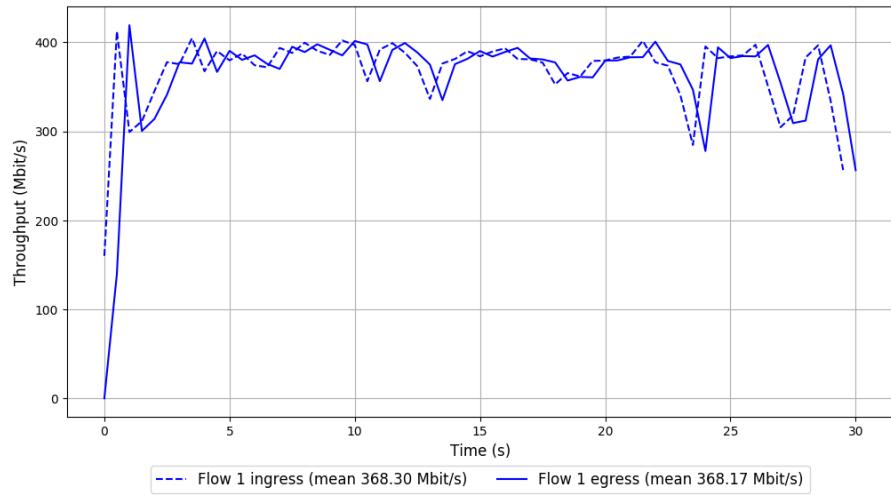


Run 6: Statistics of Copa

```
Start at: 2018-05-21 23:58:27
End at: 2018-05-21 23:58:57
Local clock offset: -0.262 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-05-22 02:01:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.17 Mbit/s
95th percentile per-packet one-way delay: 19.005 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 368.17 Mbit/s
95th percentile per-packet one-way delay: 19.005 ms
Loss rate: 0.03%
```

Run 6: Report of Copa — Data Link

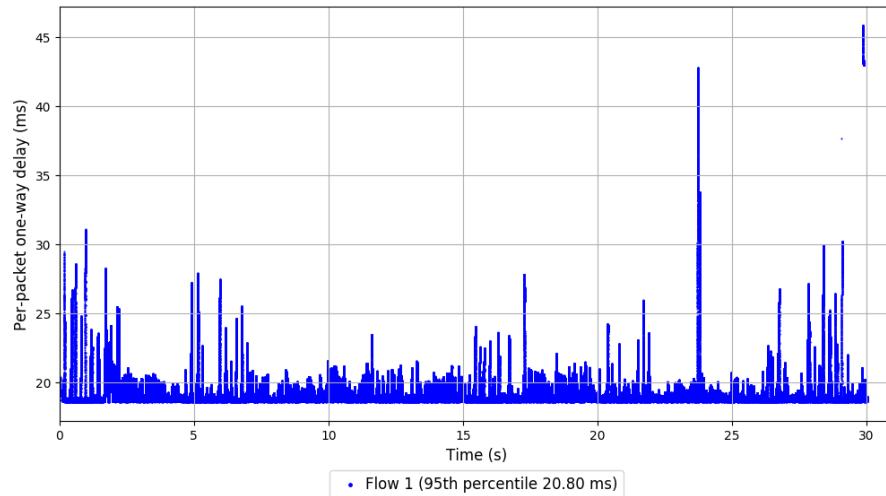
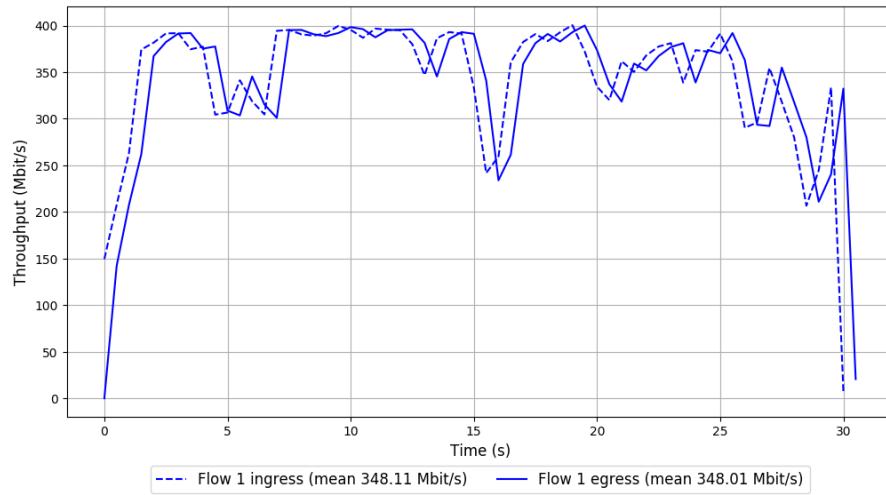


Run 7: Statistics of Copa

```
Start at: 2018-05-22 00:22:12
End at: 2018-05-22 00:22:42
Local clock offset: 0.194 ms
Remote clock offset: 0.016 ms

# Below is generated by plot.py at 2018-05-22 02:08:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 348.01 Mbit/s
95th percentile per-packet one-way delay: 20.802 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 348.01 Mbit/s
95th percentile per-packet one-way delay: 20.802 ms
Loss rate: 0.03%
```

Run 7: Report of Copa — Data Link

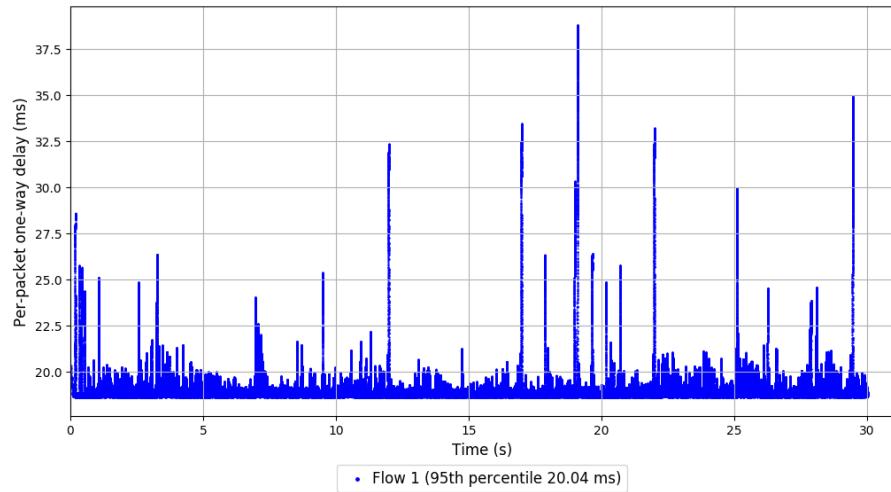
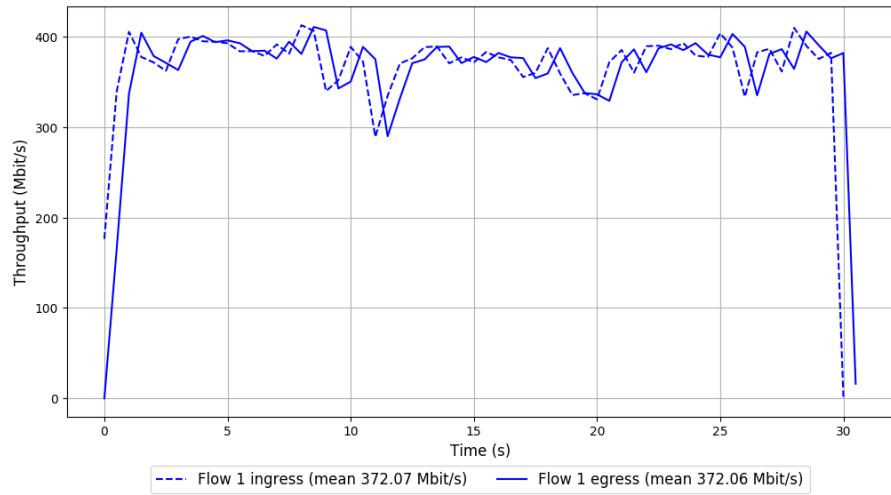


Run 8: Statistics of Copa

```
Start at: 2018-05-22 00:45:57
End at: 2018-05-22 00:46:27
Local clock offset: 0.215 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-05-22 02:08:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 372.06 Mbit/s
95th percentile per-packet one-way delay: 20.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 372.06 Mbit/s
95th percentile per-packet one-way delay: 20.041 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

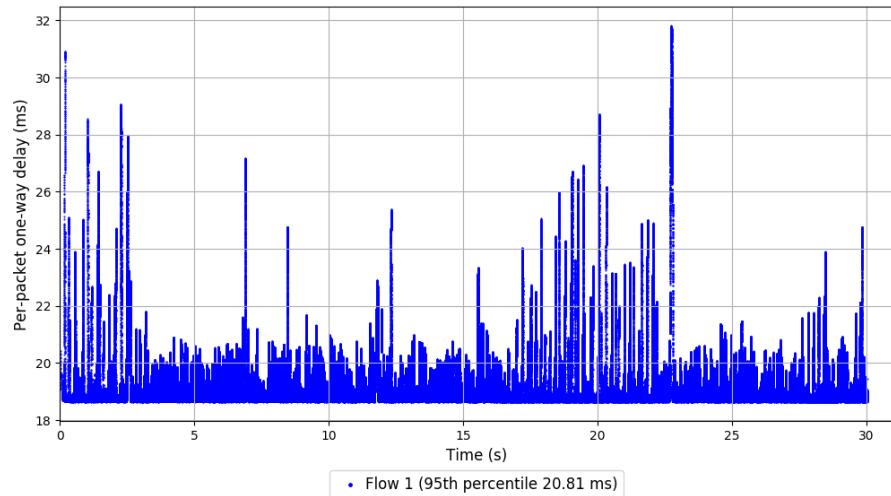
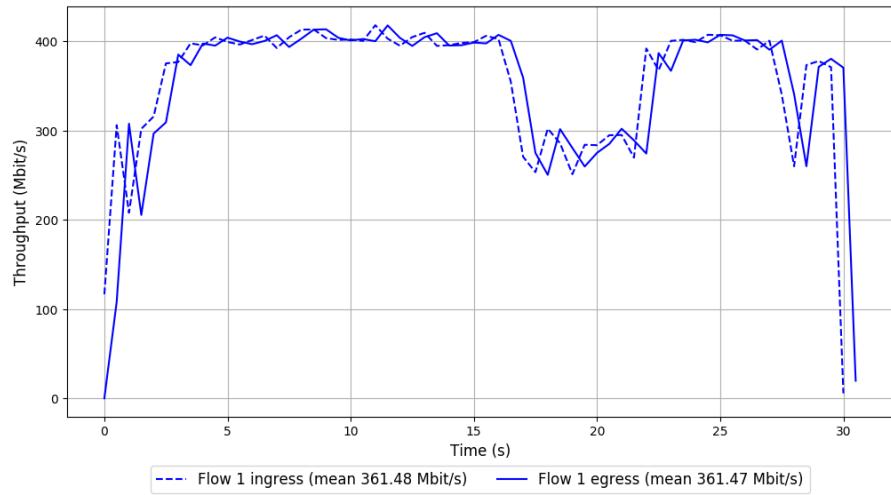


Run 9: Statistics of Copa

```
Start at: 2018-05-22 01:09:33
End at: 2018-05-22 01:10:03
Local clock offset: 0.116 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-05-22 02:08:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 361.47 Mbit/s
95th percentile per-packet one-way delay: 20.813 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 361.47 Mbit/s
95th percentile per-packet one-way delay: 20.813 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

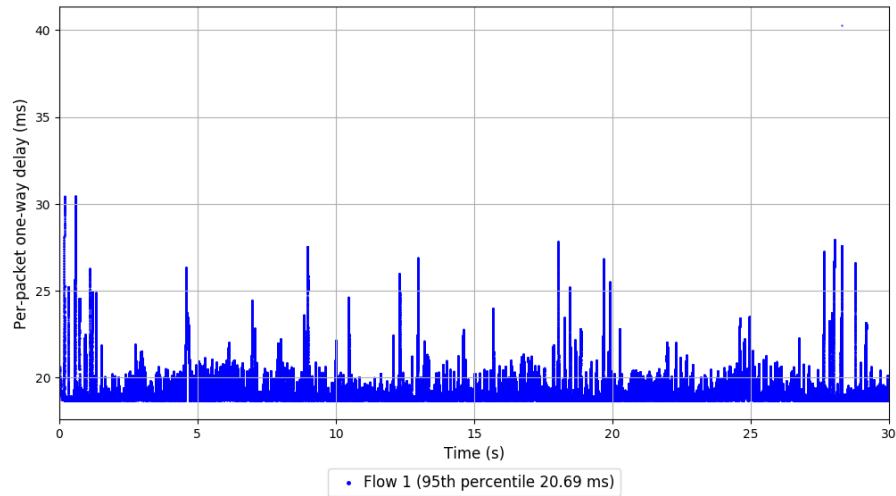
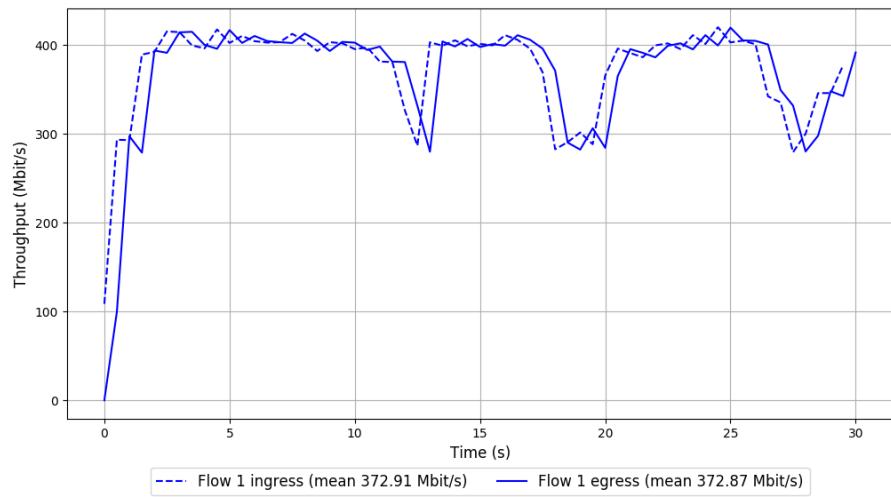


Run 10: Statistics of Copa

```
Start at: 2018-05-22 01:33:08
End at: 2018-05-22 01:33:38
Local clock offset: 0.118 ms
Remote clock offset: 0.18 ms

# Below is generated by plot.py at 2018-05-22 02:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 372.87 Mbit/s
95th percentile per-packet one-way delay: 20.689 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 372.87 Mbit/s
95th percentile per-packet one-way delay: 20.689 ms
Loss rate: 0.01%
```

Run 10: Report of Copa — Data Link

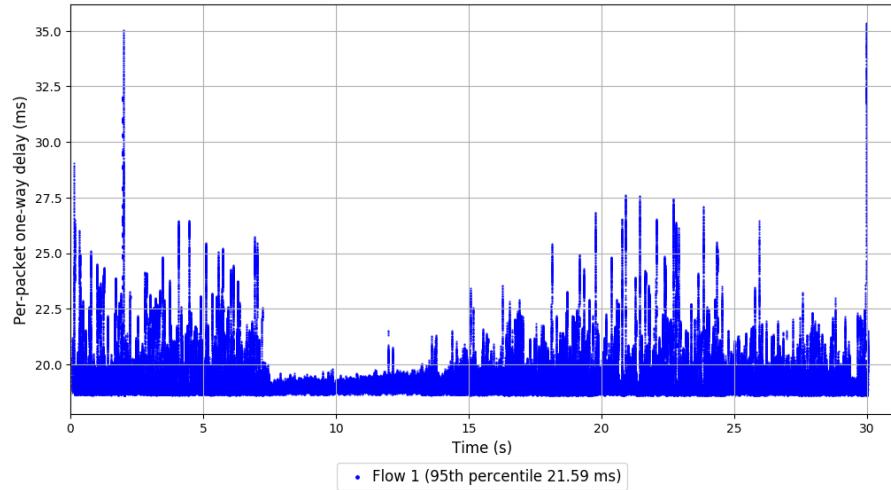
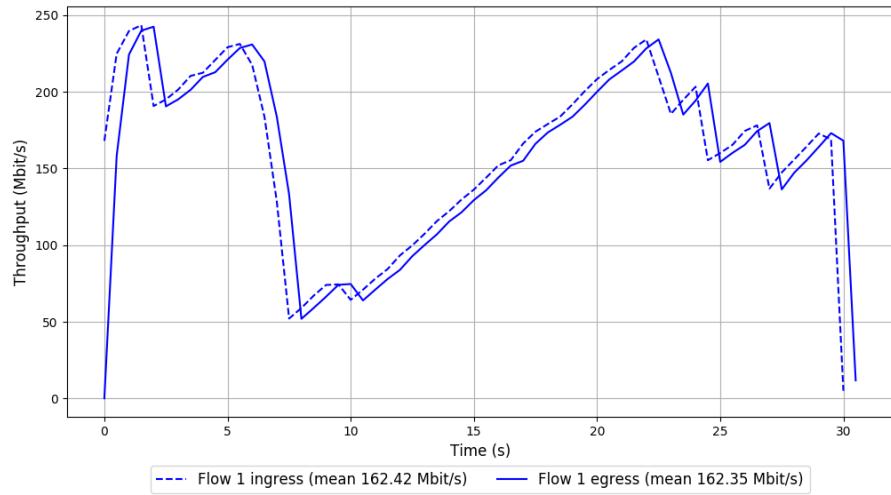


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-05-21 21:55:39
End at: 2018-05-21 21:56:09
Local clock offset: -2.701 ms
Remote clock offset: 2.248 ms

# Below is generated by plot.py at 2018-05-22 02:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.35 Mbit/s
95th percentile per-packet one-way delay: 21.587 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 162.35 Mbit/s
95th percentile per-packet one-way delay: 21.587 ms
Loss rate: 0.04%
```

Run 1: Report of TCP Cubic — Data Link

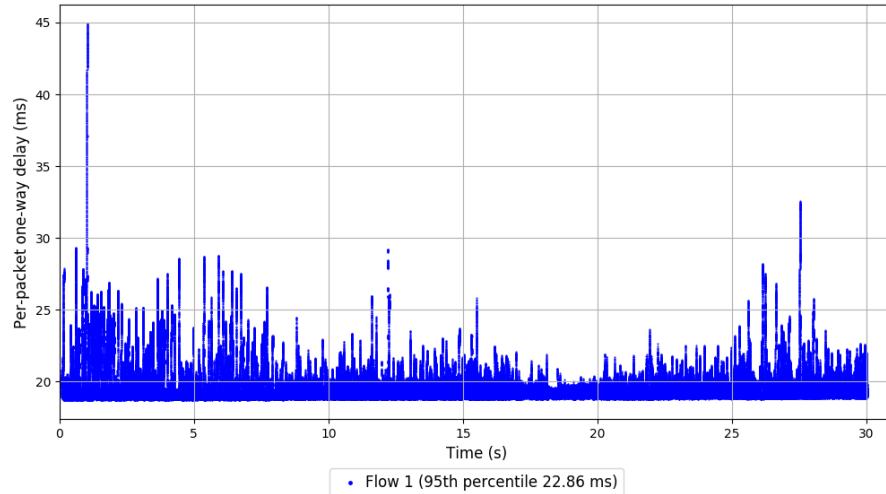
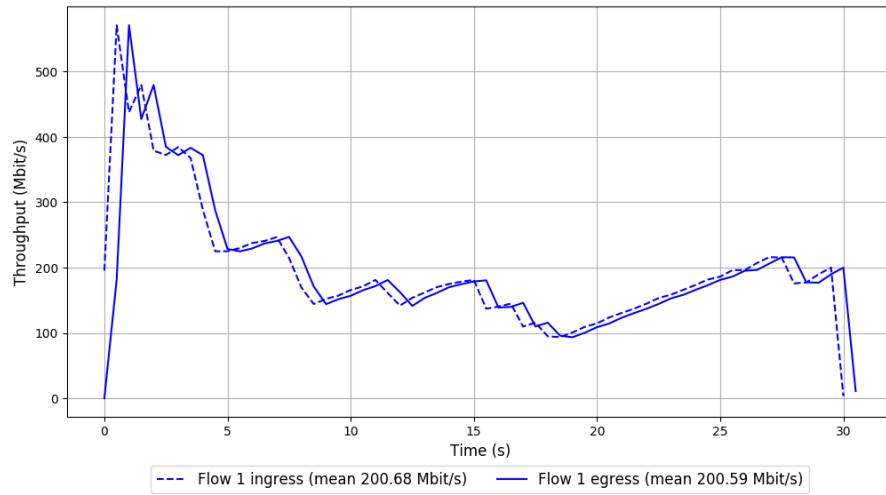


Run 2: Statistics of TCP Cubic

```
Start at: 2018-05-21 22:19:37
End at: 2018-05-21 22:20:07
Local clock offset: -1.055 ms
Remote clock offset: 2.506 ms

# Below is generated by plot.py at 2018-05-22 02:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.59 Mbit/s
95th percentile per-packet one-way delay: 22.864 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 200.59 Mbit/s
95th percentile per-packet one-way delay: 22.864 ms
Loss rate: 0.04%
```

Run 2: Report of TCP Cubic — Data Link

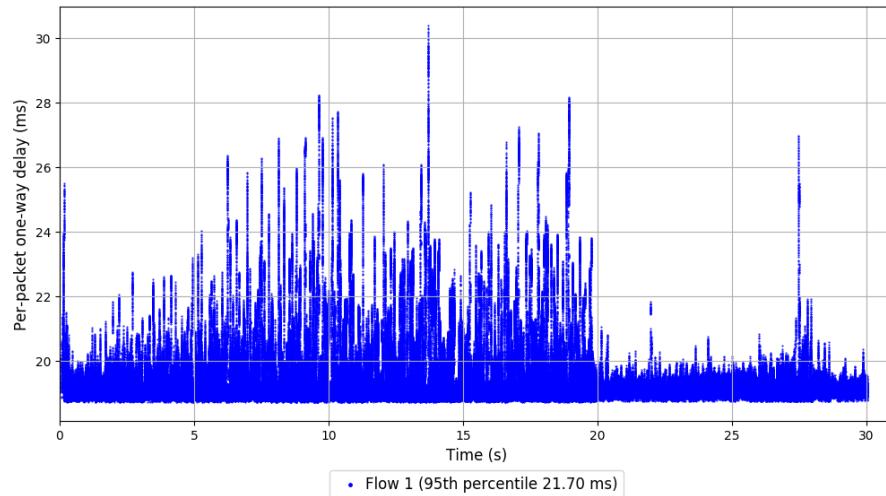
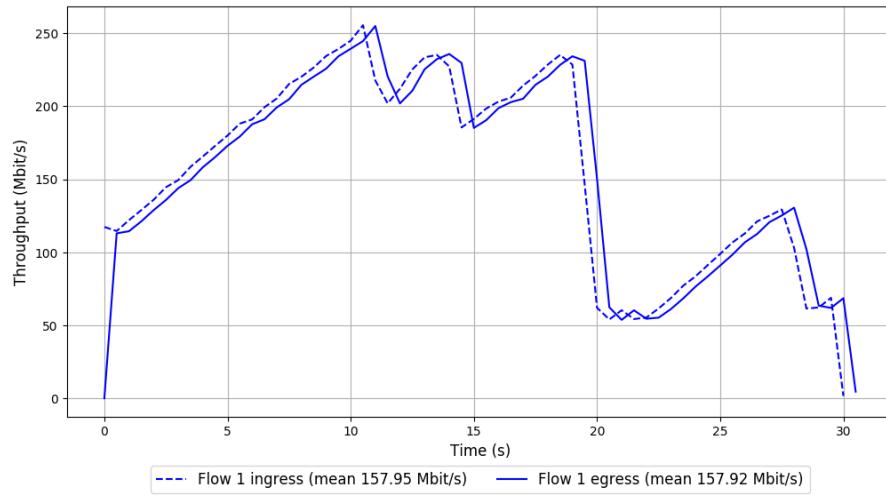


Run 3: Statistics of TCP Cubic

```
Start at: 2018-05-21 22:43:28
End at: 2018-05-21 22:43:58
Local clock offset: 1.558 ms
Remote clock offset: 1.174 ms

# Below is generated by plot.py at 2018-05-22 02:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.92 Mbit/s
95th percentile per-packet one-way delay: 21.703 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 157.92 Mbit/s
95th percentile per-packet one-way delay: 21.703 ms
Loss rate: 0.02%
```

Run 3: Report of TCP Cubic — Data Link

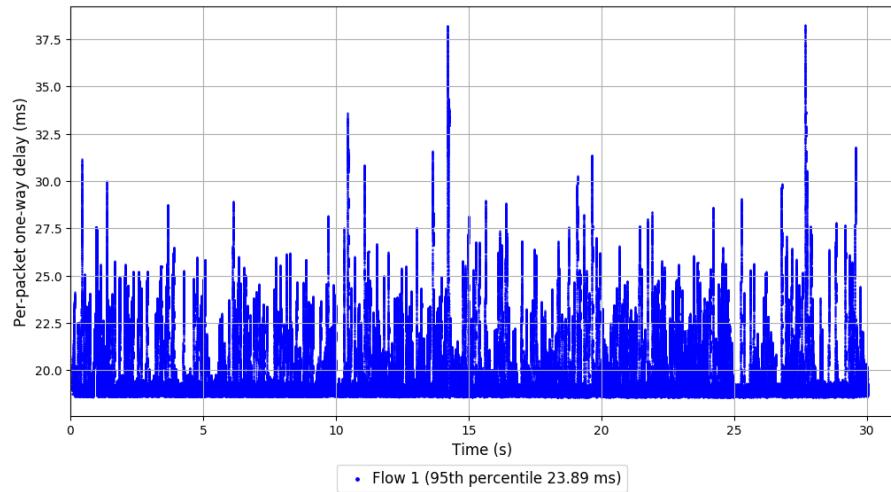
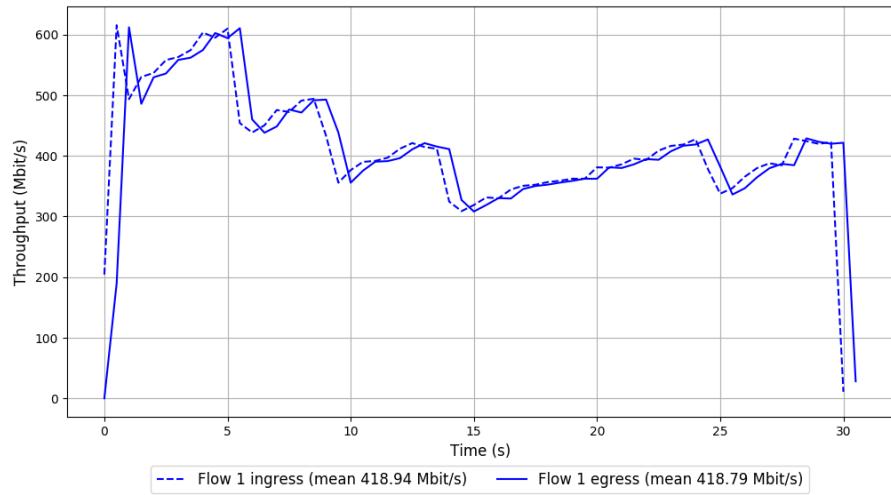


Run 4: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:07:18
End at: 2018-05-21 23:07:48
Local clock offset: 0.319 ms
Remote clock offset: 0.374 ms

# Below is generated by plot.py at 2018-05-22 02:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 418.79 Mbit/s
95th percentile per-packet one-way delay: 23.890 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 418.79 Mbit/s
95th percentile per-packet one-way delay: 23.890 ms
Loss rate: 0.03%
```

Run 4: Report of TCP Cubic — Data Link

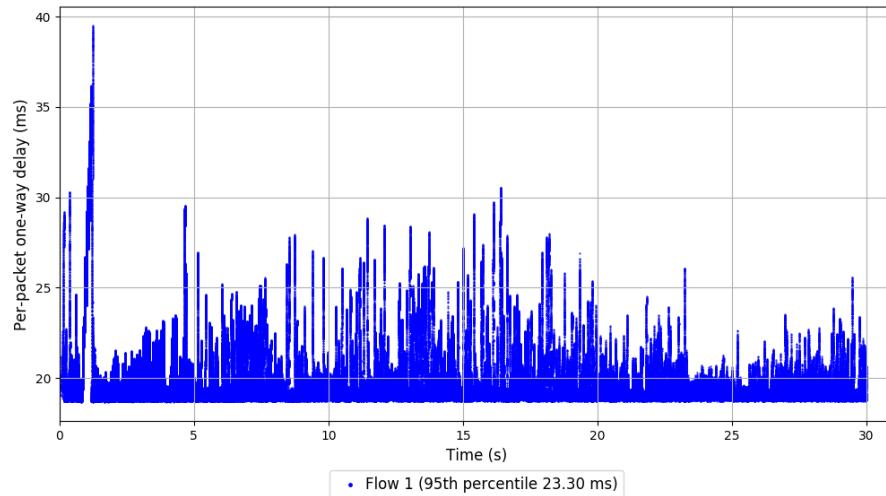
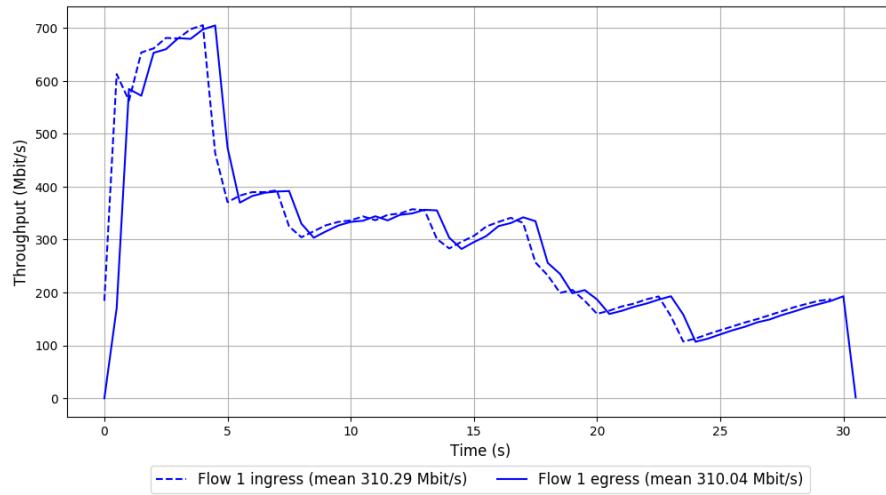


Run 5: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:31:17
End at: 2018-05-21 23:31:47
Local clock offset: -0.453 ms
Remote clock offset: 0.203 ms

# Below is generated by plot.py at 2018-05-22 02:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 310.04 Mbit/s
95th percentile per-packet one-way delay: 23.303 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 310.04 Mbit/s
95th percentile per-packet one-way delay: 23.303 ms
Loss rate: 0.08%
```

Run 5: Report of TCP Cubic — Data Link

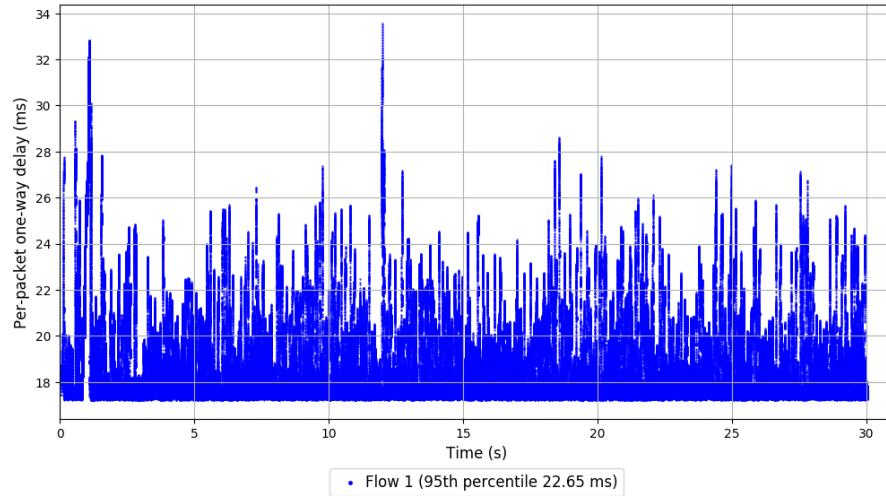
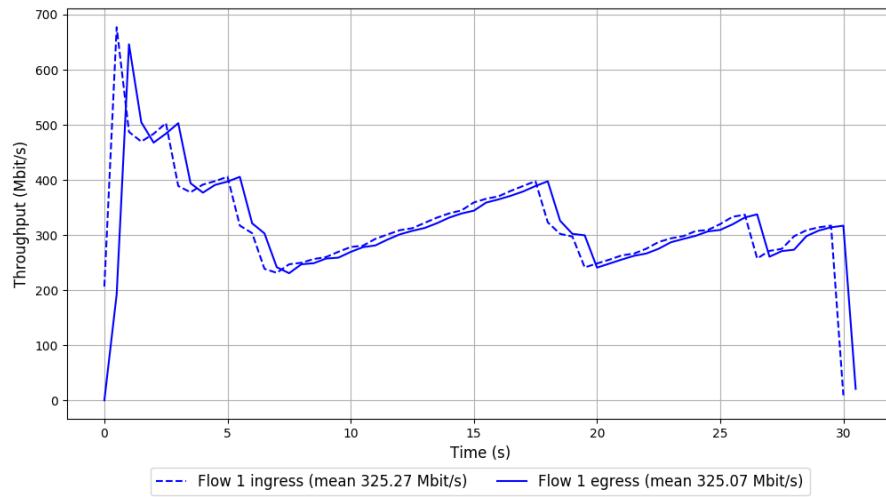


Run 6: Statistics of TCP Cubic

```
Start at: 2018-05-21 23:55:16
End at: 2018-05-21 23:55:46
Local clock offset: -0.352 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at 2018-05-22 02:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.07 Mbit/s
95th percentile per-packet one-way delay: 22.646 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 325.07 Mbit/s
95th percentile per-packet one-way delay: 22.646 ms
Loss rate: 0.06%
```

Run 6: Report of TCP Cubic — Data Link

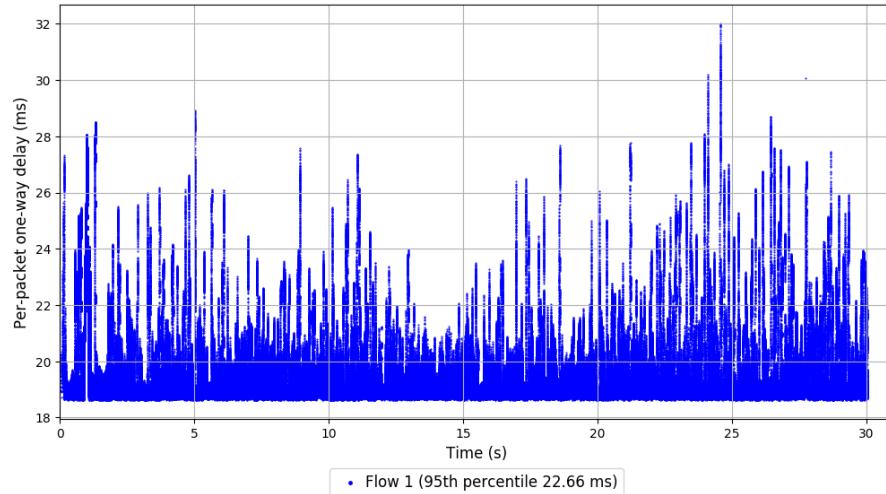
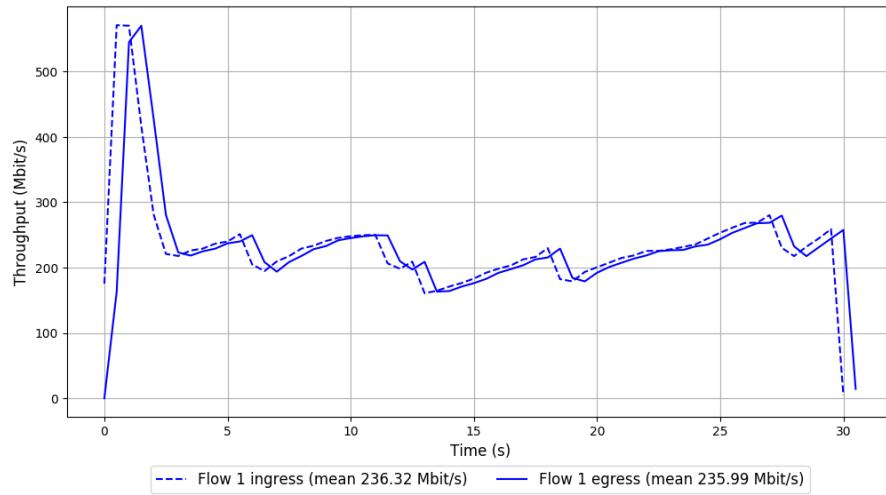


Run 7: Statistics of TCP Cubic

```
Start at: 2018-05-22 00:19:07
End at: 2018-05-22 00:19:37
Local clock offset: 0.217 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-22 02:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.99 Mbit/s
95th percentile per-packet one-way delay: 22.656 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 235.99 Mbit/s
95th percentile per-packet one-way delay: 22.656 ms
Loss rate: 0.14%
```

Run 7: Report of TCP Cubic — Data Link

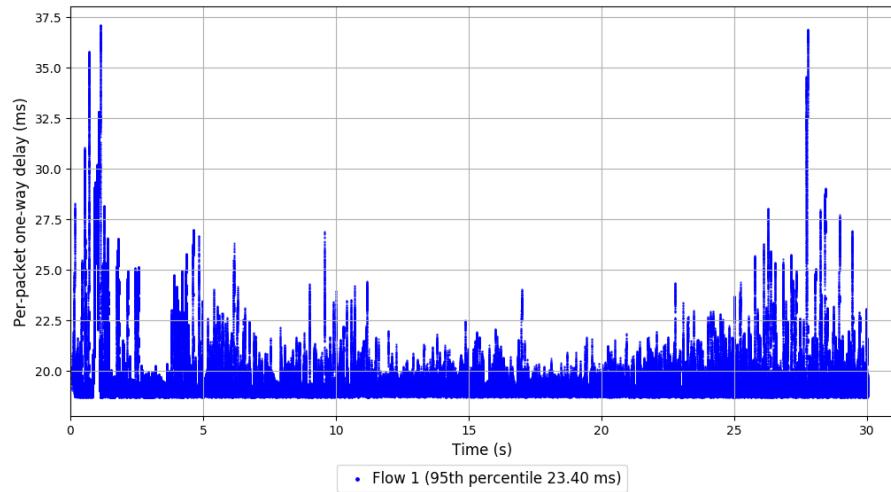
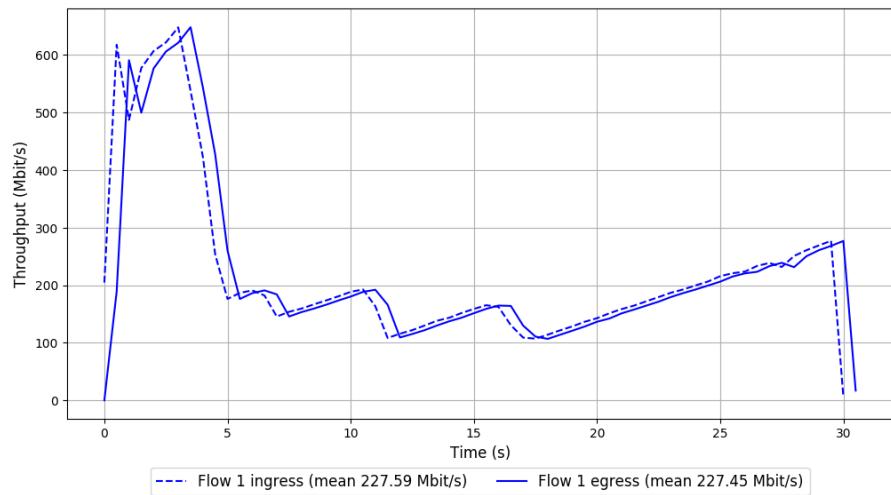


Run 8: Statistics of TCP Cubic

```
Start at: 2018-05-22 00:42:52
End at: 2018-05-22 00:43:22
Local clock offset: 0.226 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2018-05-22 02:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.45 Mbit/s
95th percentile per-packet one-way delay: 23.403 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 227.45 Mbit/s
95th percentile per-packet one-way delay: 23.403 ms
Loss rate: 0.06%
```

Run 8: Report of TCP Cubic — Data Link

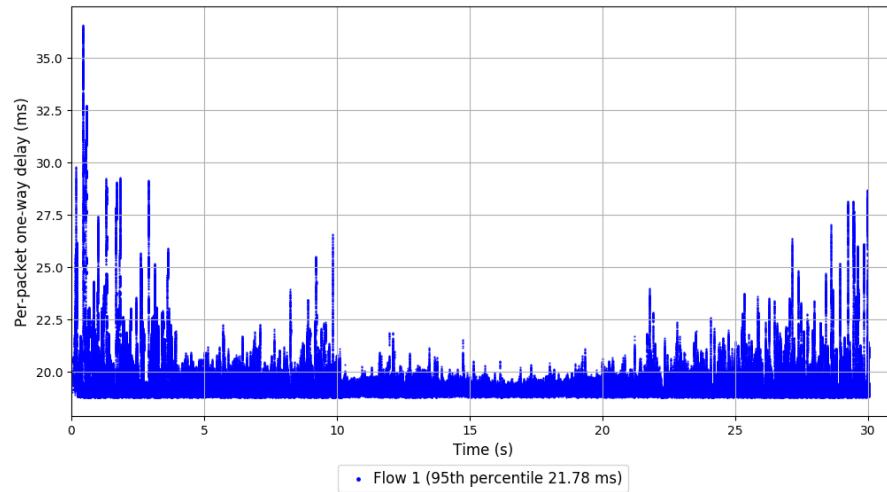
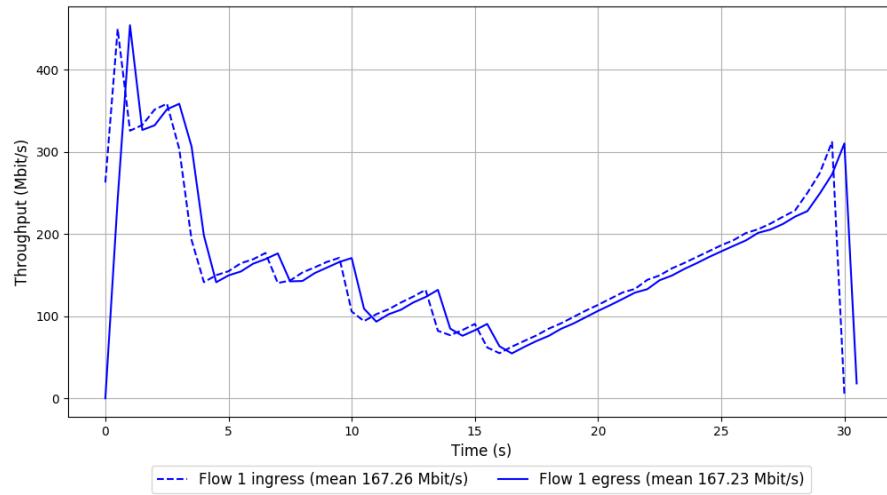


Run 9: Statistics of TCP Cubic

```
Start at: 2018-05-22 01:06:30
End at: 2018-05-22 01:07:00
Local clock offset: 0.039 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-05-22 02:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 167.23 Mbit/s
95th percentile per-packet one-way delay: 21.781 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 167.23 Mbit/s
95th percentile per-packet one-way delay: 21.781 ms
Loss rate: 0.02%
```

Run 9: Report of TCP Cubic — Data Link

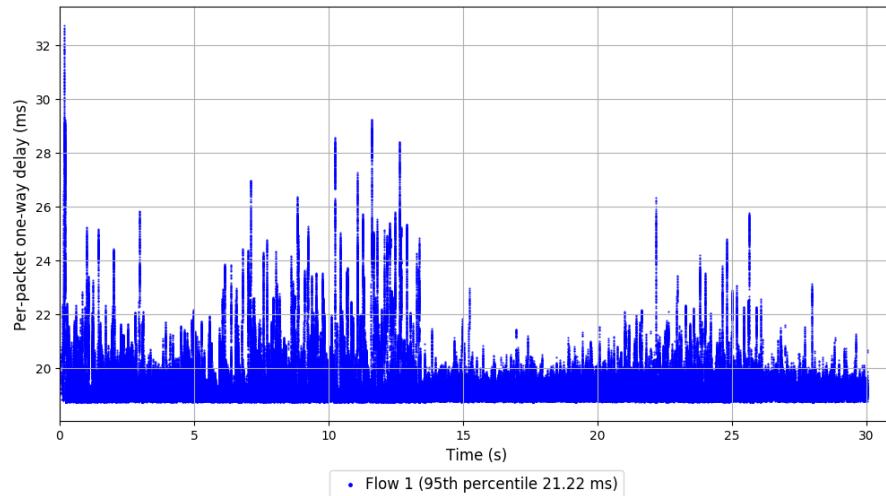
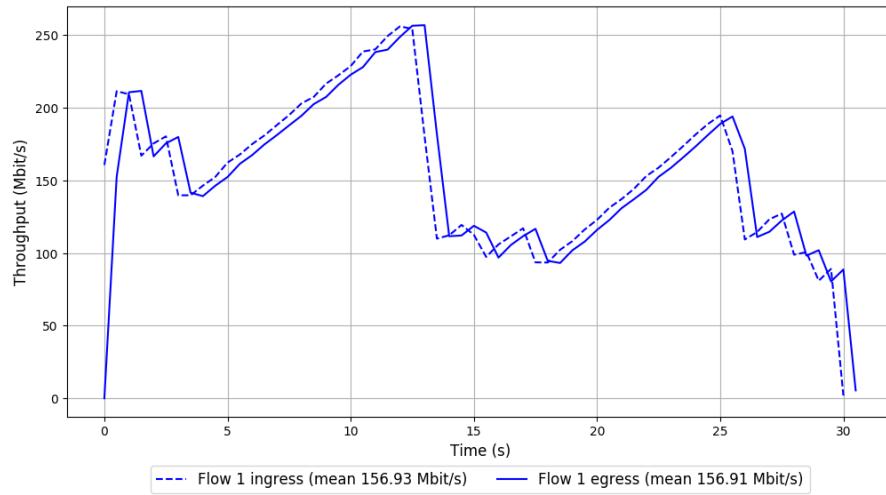


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-05-22 01:30:06
End at: 2018-05-22 01:30:36
Local clock offset: 0.076 ms
Remote clock offset: 0.209 ms

# Below is generated by plot.py at 2018-05-22 02:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 156.91 Mbit/s
95th percentile per-packet one-way delay: 21.224 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 156.91 Mbit/s
95th percentile per-packet one-way delay: 21.224 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Cubic — Data Link

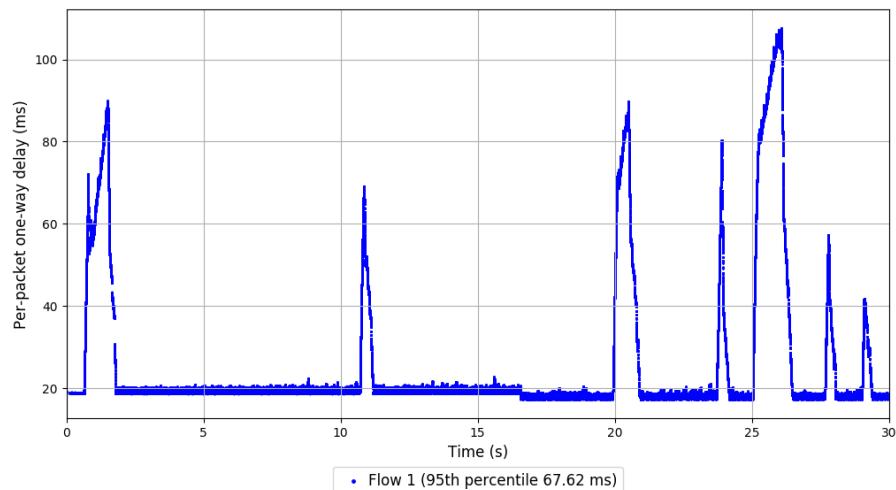
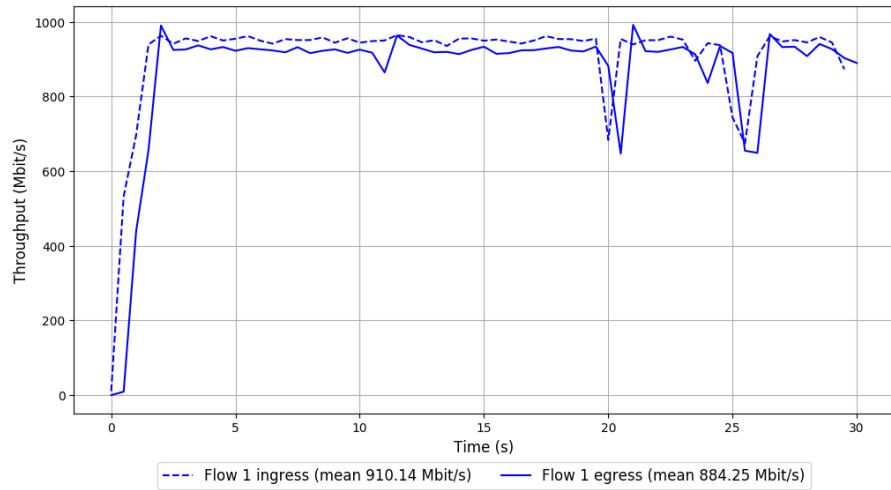


```
Run 1: Statistics of FillP

Start at: 2018-05-21 22:03:14
End at: 2018-05-21 22:03:44
Local clock offset: -1.48 ms
Remote clock offset: 2.066 ms

# Below is generated by plot.py at 2018-05-22 02:20:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 884.25 Mbit/s
95th percentile per-packet one-way delay: 67.624 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 884.25 Mbit/s
95th percentile per-packet one-way delay: 67.624 ms
Loss rate: 2.85%
```

Run 1: Report of FillP — Data Link

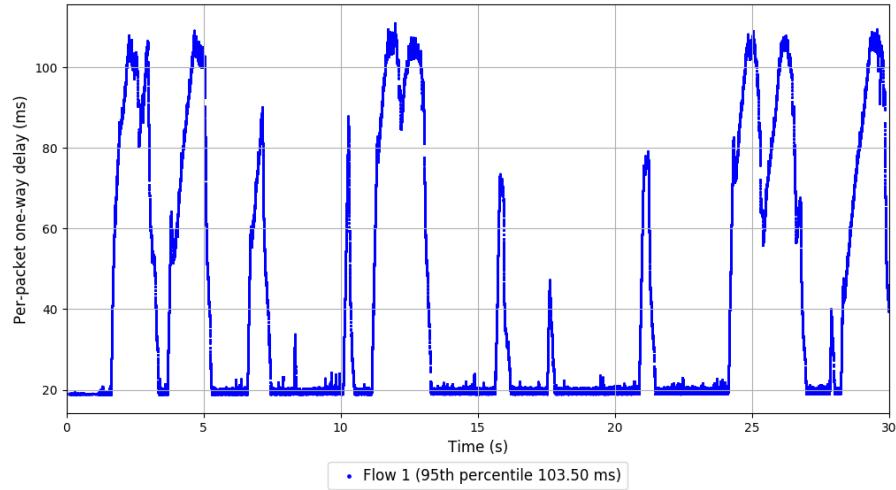
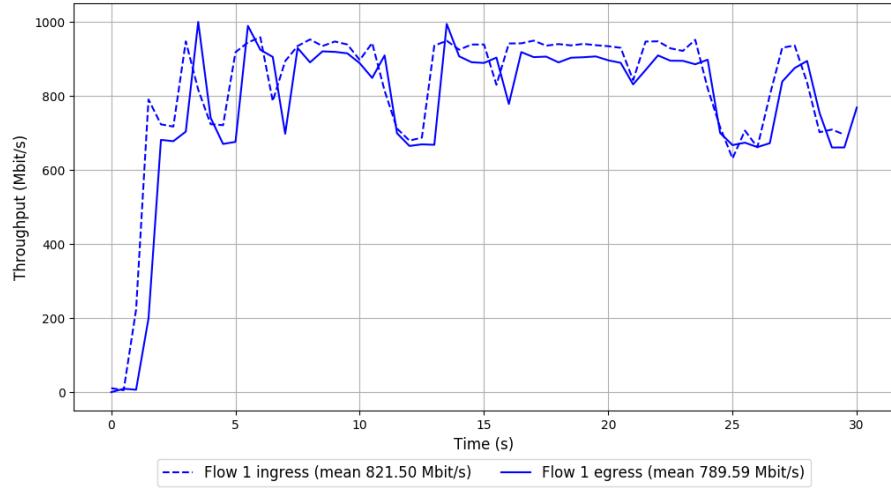


Run 2: Statistics of FillP

```
Start at: 2018-05-21 22:27:14
End at: 2018-05-21 22:27:44
Local clock offset: -1.183 ms
Remote clock offset: 1.299 ms

# Below is generated by plot.py at 2018-05-22 02:20:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 789.59 Mbit/s
95th percentile per-packet one-way delay: 103.504 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 789.59 Mbit/s
95th percentile per-packet one-way delay: 103.504 ms
Loss rate: 3.88%
```

Run 2: Report of FillP — Data Link

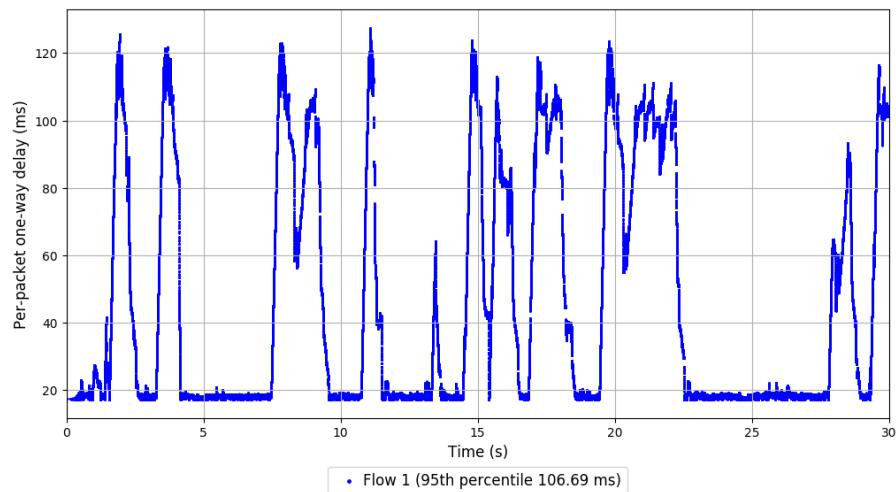
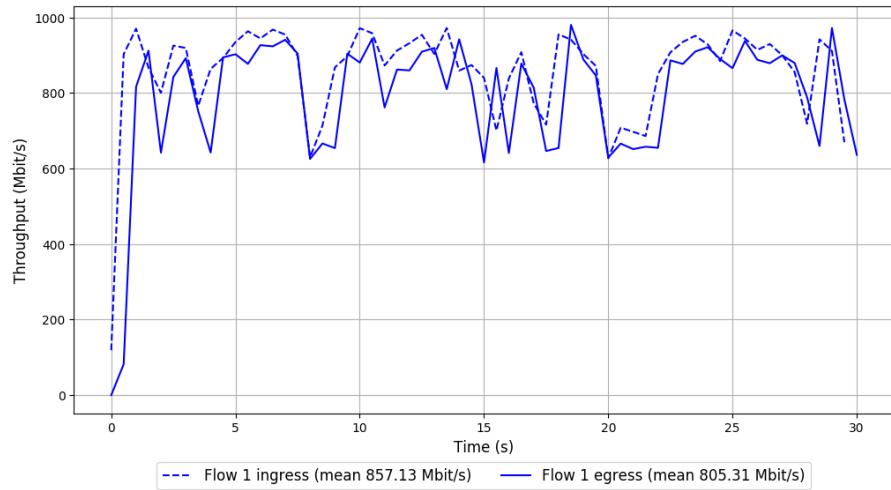


```
Run 3: Statistics of FillP
```

```
Start at: 2018-05-21 22:51:04
End at: 2018-05-21 22:51:34
Local clock offset: 1.878 ms
Remote clock offset: 1.46 ms

# Below is generated by plot.py at 2018-05-22 02:21:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 805.31 Mbit/s
95th percentile per-packet one-way delay: 106.688 ms
Loss rate: 6.05%
-- Flow 1:
Average throughput: 805.31 Mbit/s
95th percentile per-packet one-way delay: 106.688 ms
Loss rate: 6.05%
```

Run 3: Report of FillP — Data Link

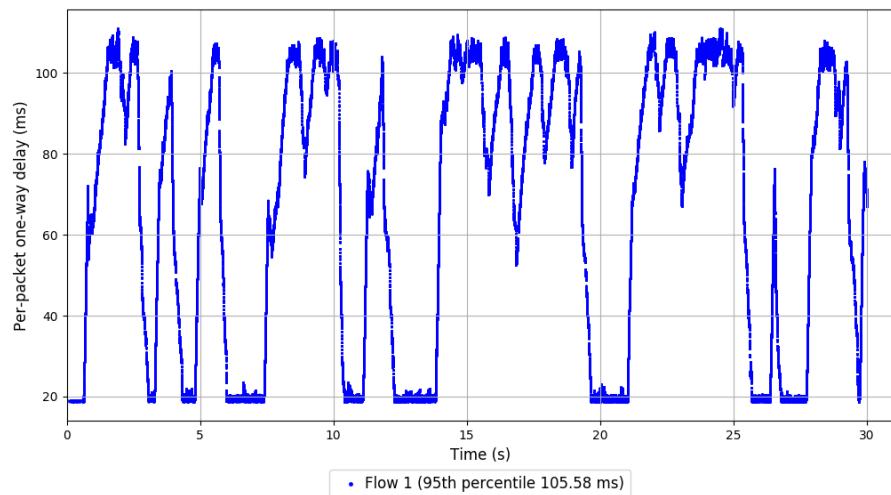
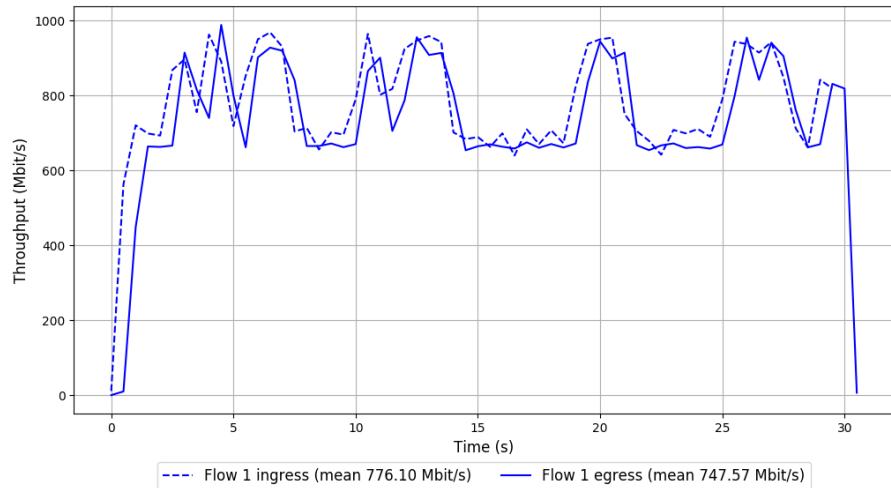


```
Run 4: Statistics of FillP
```

```
Start at: 2018-05-21 23:15:05
End at: 2018-05-21 23:15:35
Local clock offset: -0.222 ms
Remote clock offset: 0.344 ms

# Below is generated by plot.py at 2018-05-22 02:21:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 747.57 Mbit/s
95th percentile per-packet one-way delay: 105.578 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 747.57 Mbit/s
95th percentile per-packet one-way delay: 105.578 ms
Loss rate: 3.68%
```

Run 4: Report of FillP — Data Link

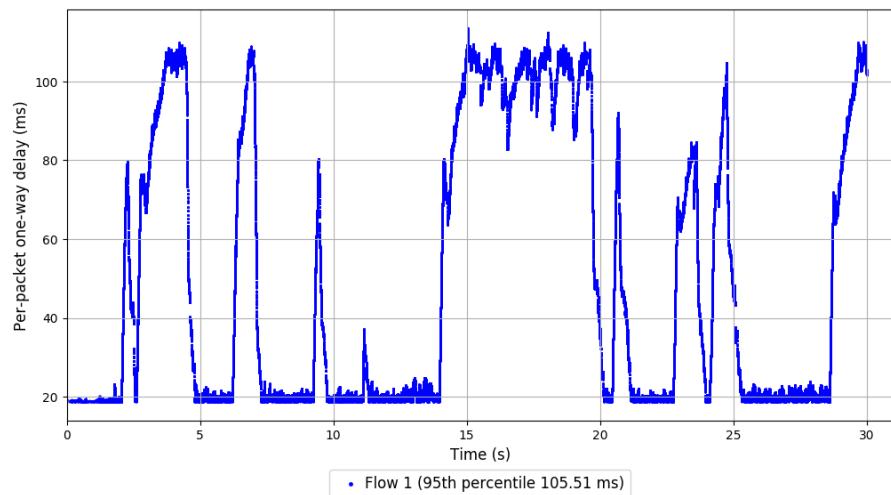
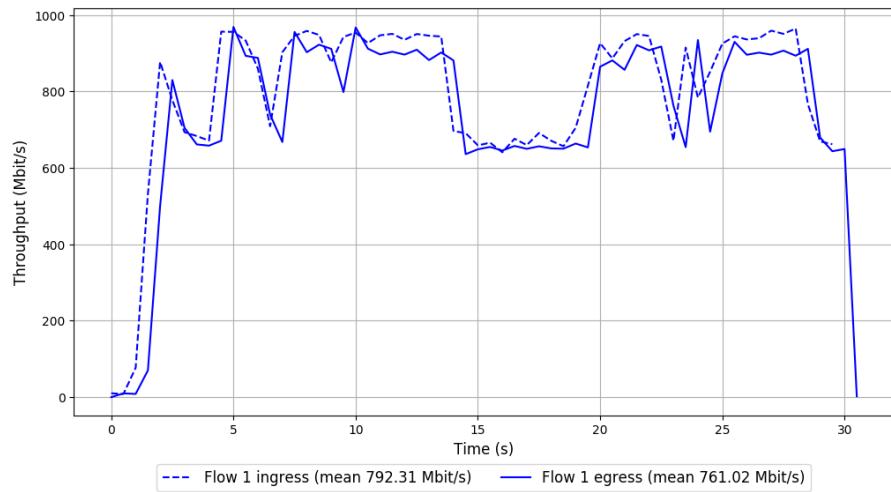


```
Run 5: Statistics of FillP

Start at: 2018-05-21 23:38:54
End at: 2018-05-21 23:39:24
Local clock offset: -0.351 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2018-05-22 02:21:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 761.02 Mbit/s
95th percentile per-packet one-way delay: 105.507 ms
Loss rate: 3.95%
-- Flow 1:
Average throughput: 761.02 Mbit/s
95th percentile per-packet one-way delay: 105.507 ms
Loss rate: 3.95%
```

Run 5: Report of FillP — Data Link

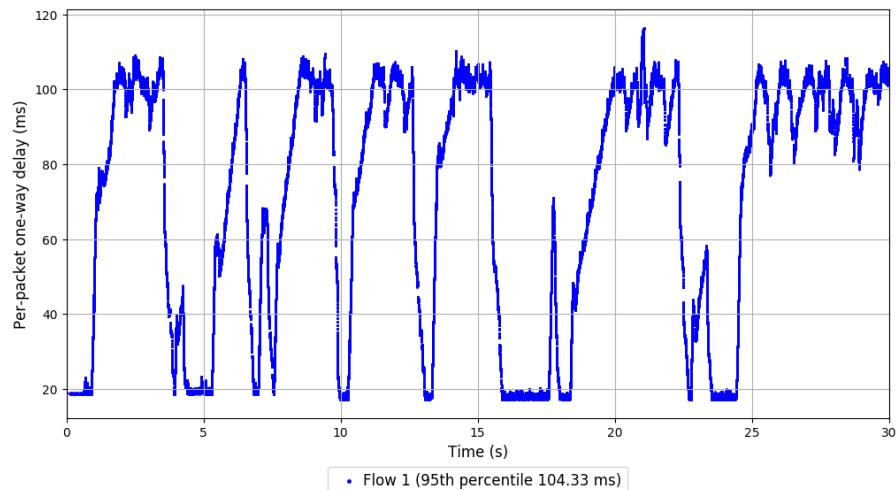
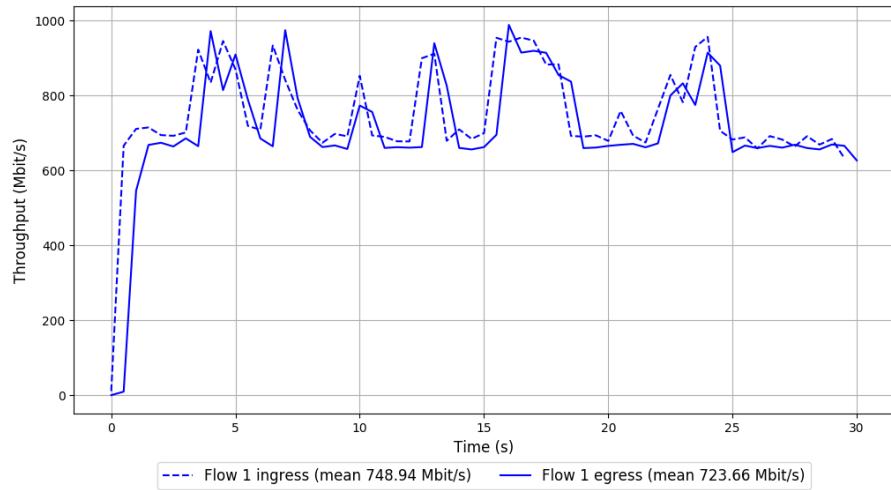


```
Run 6: Statistics of FillP
```

```
Start at: 2018-05-22 00:02:58
End at: 2018-05-22 00:03:28
Local clock offset: -0.086 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-05-22 02:21:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 723.66 Mbit/s
95th percentile per-packet one-way delay: 104.325 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 723.66 Mbit/s
95th percentile per-packet one-way delay: 104.325 ms
Loss rate: 3.38%
```

Run 6: Report of FillP — Data Link

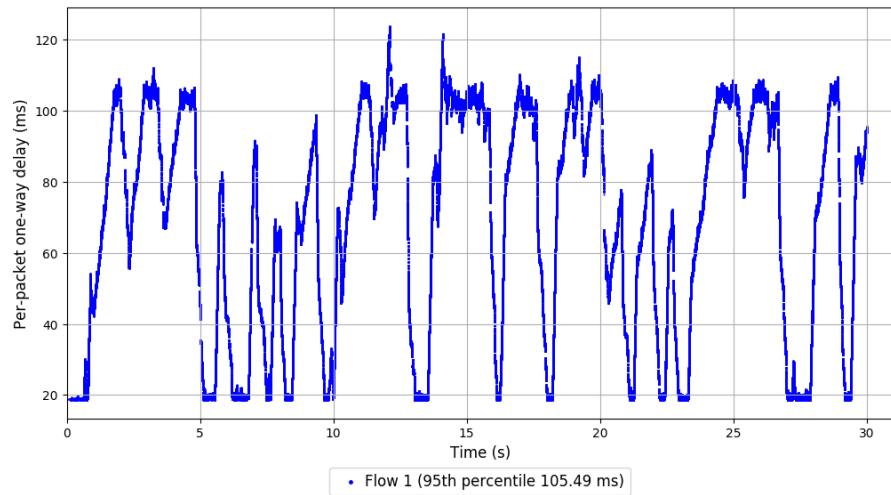
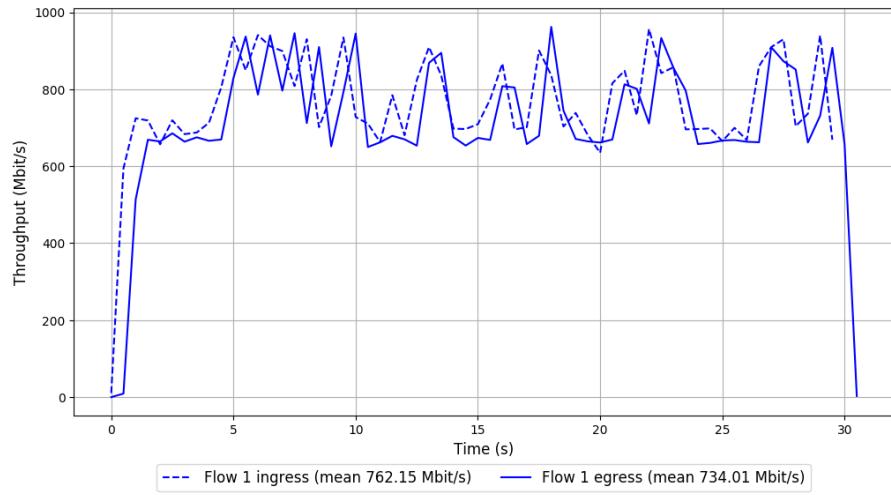


Run 7: Statistics of FillP

```
Start at: 2018-05-22 00:26:44
End at: 2018-05-22 00:27:14
Local clock offset: 0.138 ms
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2018-05-22 02:21:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 734.01 Mbit/s
95th percentile per-packet one-way delay: 105.489 ms
Loss rate: 3.69%
-- Flow 1:
Average throughput: 734.01 Mbit/s
95th percentile per-packet one-way delay: 105.489 ms
Loss rate: 3.69%
```

Run 7: Report of FillP — Data Link

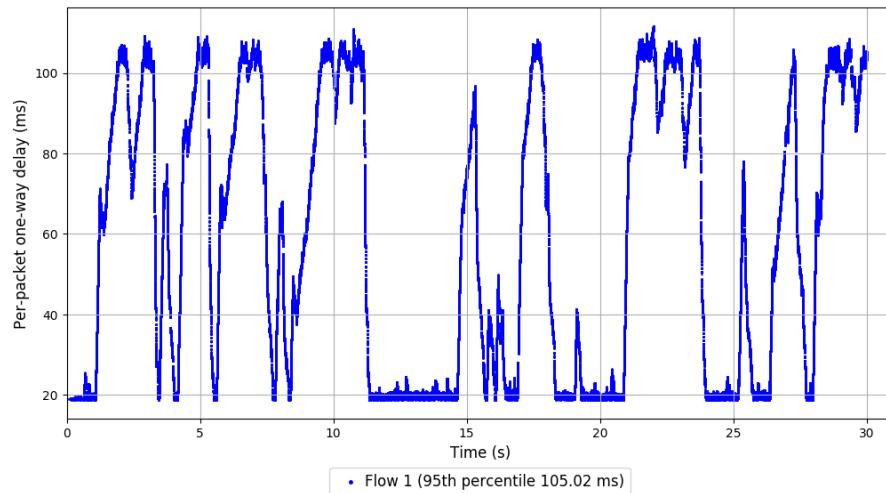
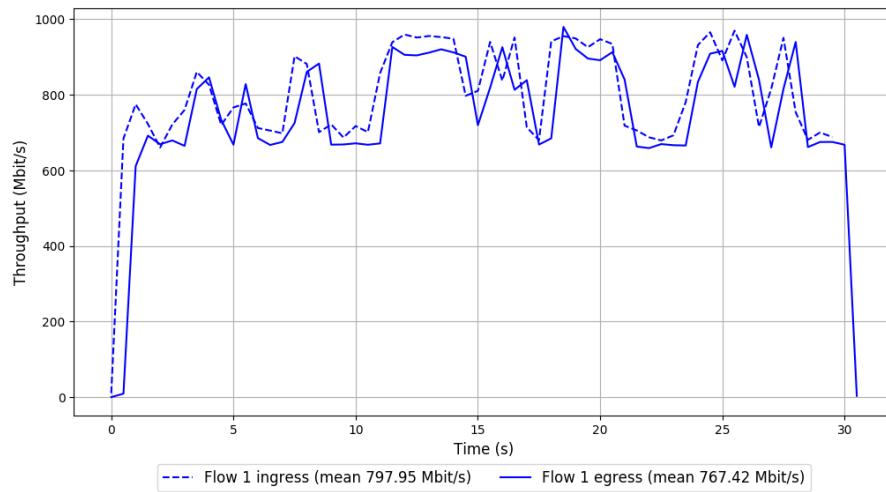


```
Run 8: Statistics of FillP
```

```
Start at: 2018-05-22 00:50:26
End at: 2018-05-22 00:50:56
Local clock offset: 0.096 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-05-22 02:21:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 767.42 Mbit/s
95th percentile per-packet one-way delay: 105.018 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 767.42 Mbit/s
95th percentile per-packet one-way delay: 105.018 ms
Loss rate: 3.83%
```

Run 8: Report of FillP — Data Link

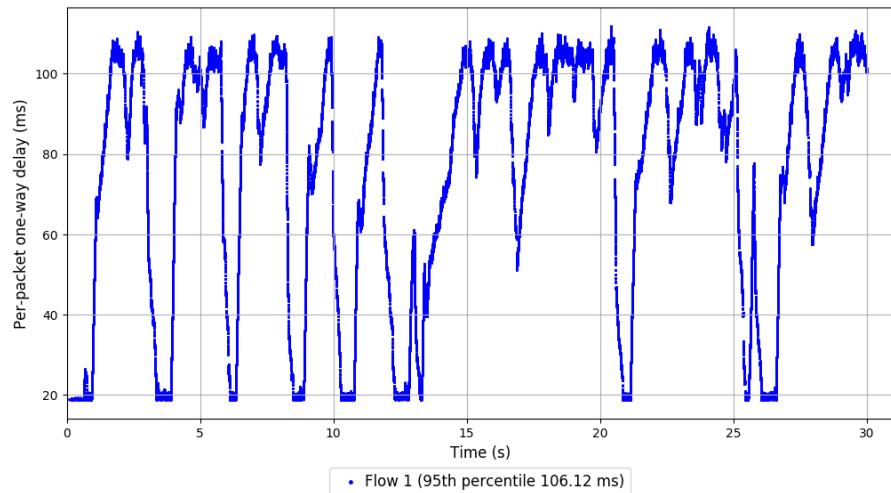
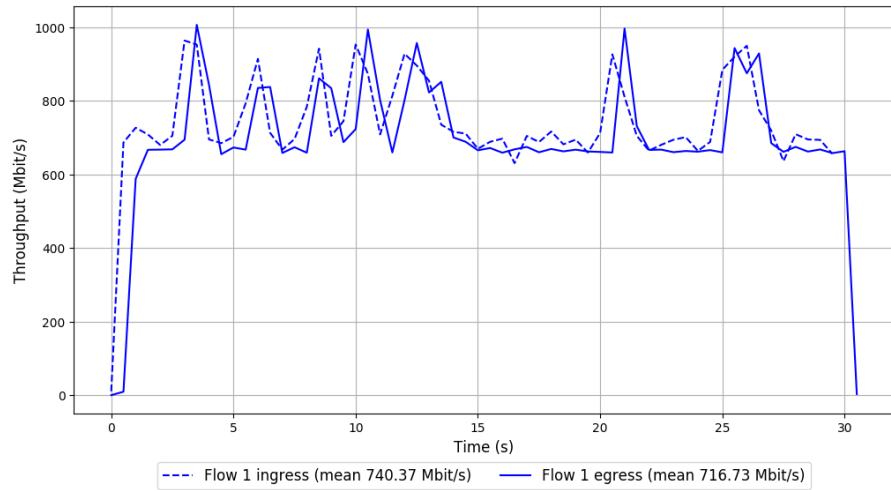


```
Run 9: Statistics of FillP
```

```
Start at: 2018-05-22 01:14:05
End at: 2018-05-22 01:14:35
Local clock offset: 0.013 ms
Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 716.73 Mbit/s
95th percentile per-packet one-way delay: 106.125 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 716.73 Mbit/s
95th percentile per-packet one-way delay: 106.125 ms
Loss rate: 3.19%
```

Run 9: Report of FillP — Data Link

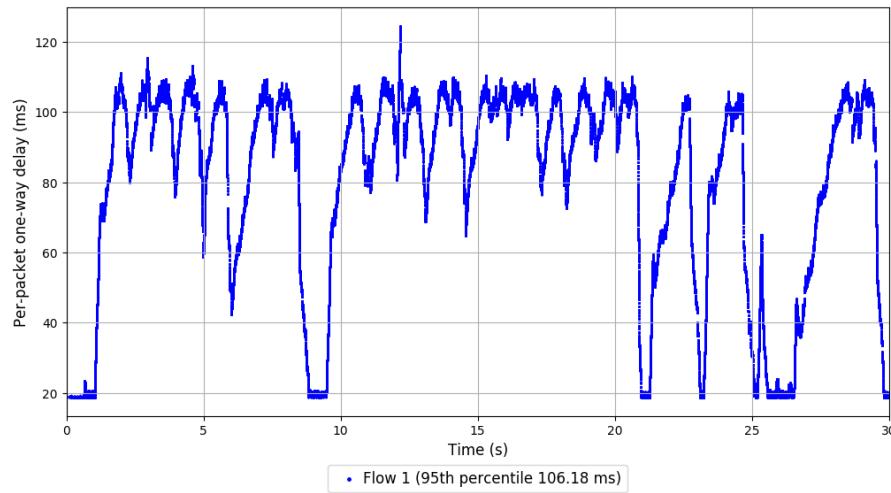
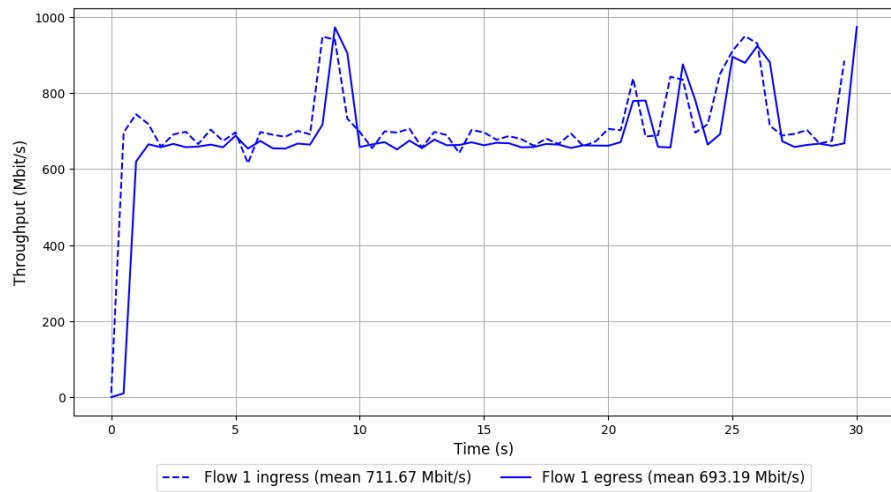


```
Run 10: Statistics of FillP
```

```
Start at: 2018-05-22 01:37:39
End at: 2018-05-22 01:38:09
Local clock offset: 0.084 ms
Remote clock offset: 0.213 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 693.19 Mbit/s
95th percentile per-packet one-way delay: 106.184 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 693.19 Mbit/s
95th percentile per-packet one-way delay: 106.184 ms
Loss rate: 2.59%
```

Run 10: Report of FillP — Data Link

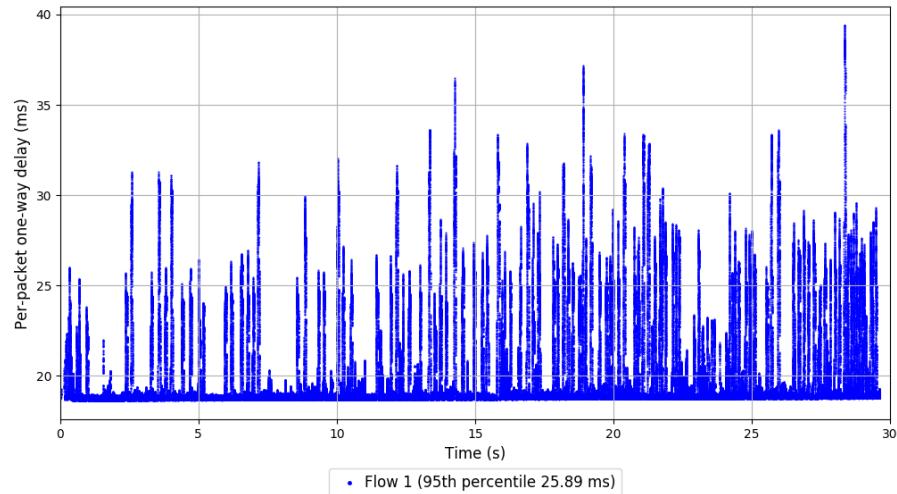
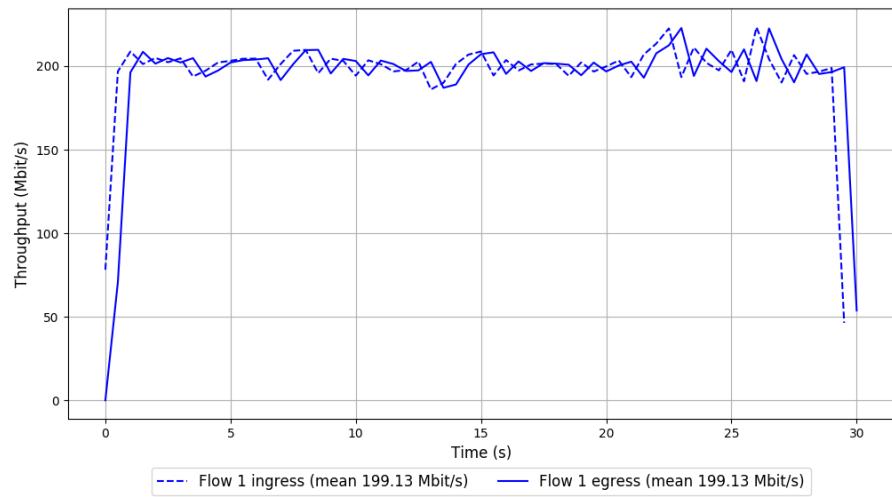


Run 1: Statistics of Indigo

```
Start at: 2018-05-21 21:46:46
End at: 2018-05-21 21:47:16
Local clock offset: -1.905 ms
Remote clock offset: 3.832 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.13 Mbit/s
95th percentile per-packet one-way delay: 25.887 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 199.13 Mbit/s
95th percentile per-packet one-way delay: 25.887 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link

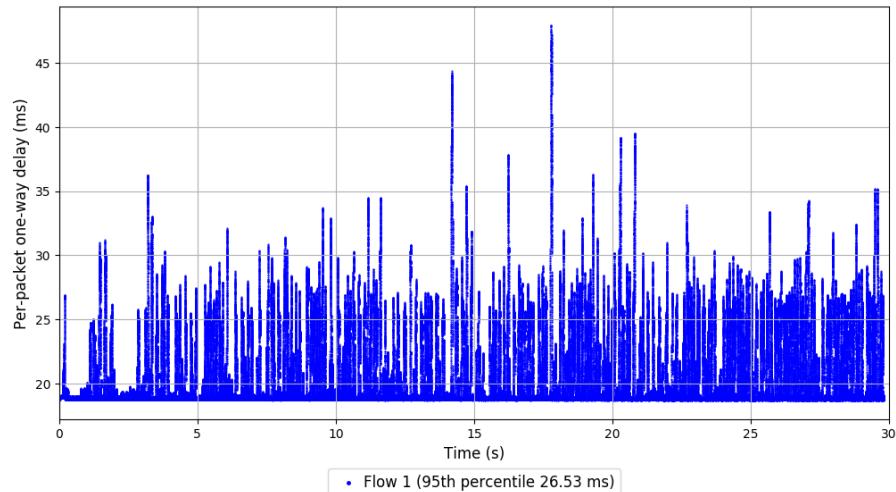
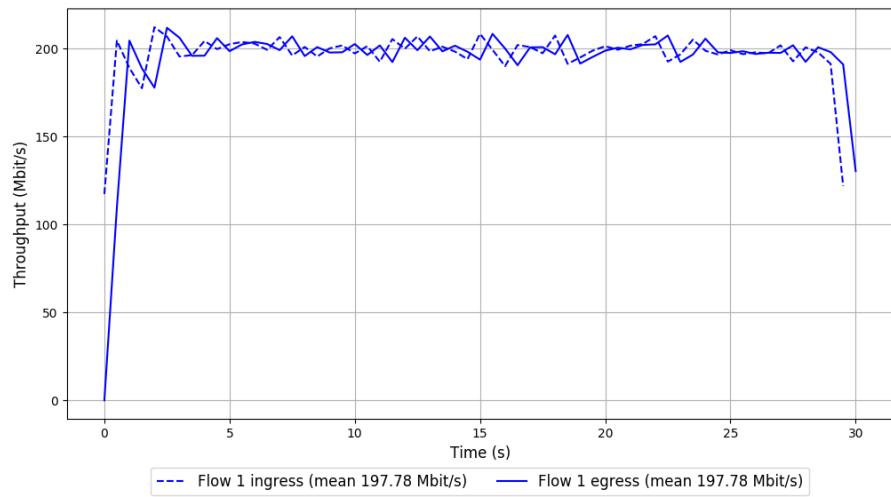


Run 2: Statistics of Indigo

```
Start at: 2018-05-21 22:10:50
End at: 2018-05-21 22:11:20
Local clock offset: -1.103 ms
Remote clock offset: 2.4 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.78 Mbit/s
95th percentile per-packet one-way delay: 26.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.78 Mbit/s
95th percentile per-packet one-way delay: 26.530 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

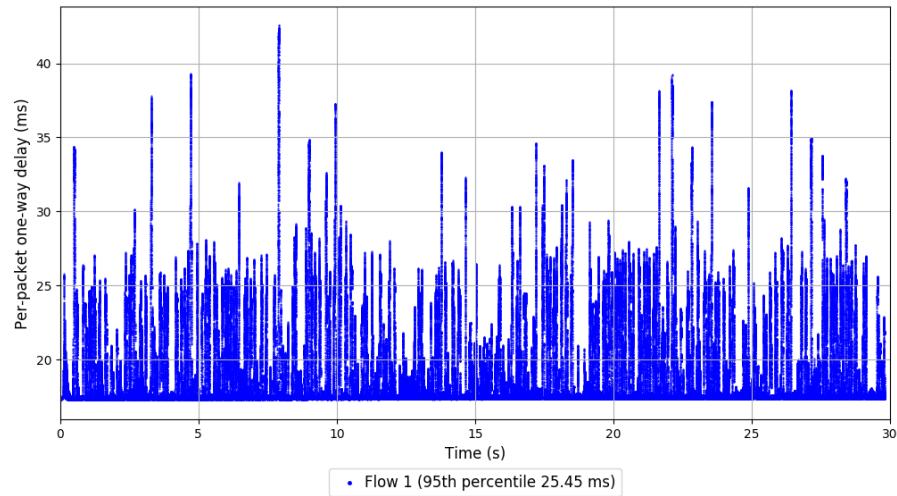
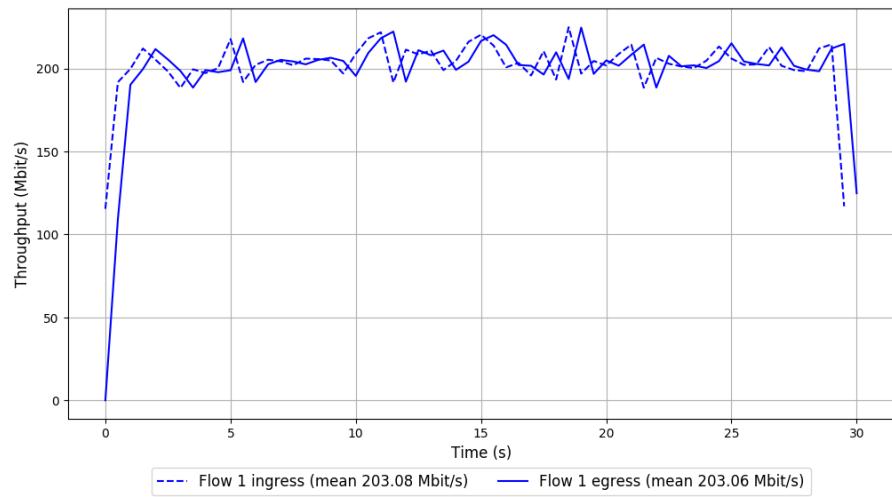


Run 3: Statistics of Indigo

```
Start at: 2018-05-21 22:34:39
End at: 2018-05-21 22:35:09
Local clock offset: 0.736 ms
Remote clock offset: 1.02 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.06 Mbit/s
95th percentile per-packet one-way delay: 25.452 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 203.06 Mbit/s
95th percentile per-packet one-way delay: 25.452 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo — Data Link

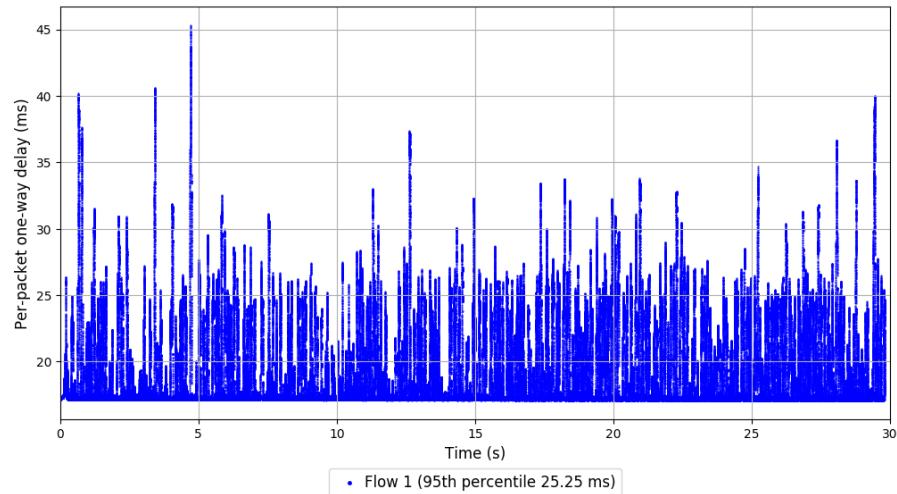
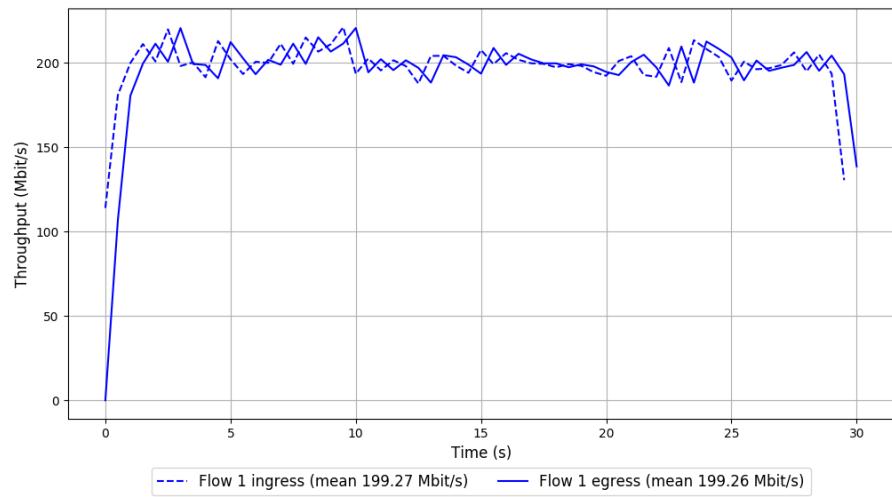


Run 4: Statistics of Indigo

```
Start at: 2018-05-21 22:58:37
End at: 2018-05-21 22:59:07
Local clock offset: 1.551 ms
Remote clock offset: 0.79 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.26 Mbit/s
95th percentile per-packet one-way delay: 25.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.26 Mbit/s
95th percentile per-packet one-way delay: 25.247 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

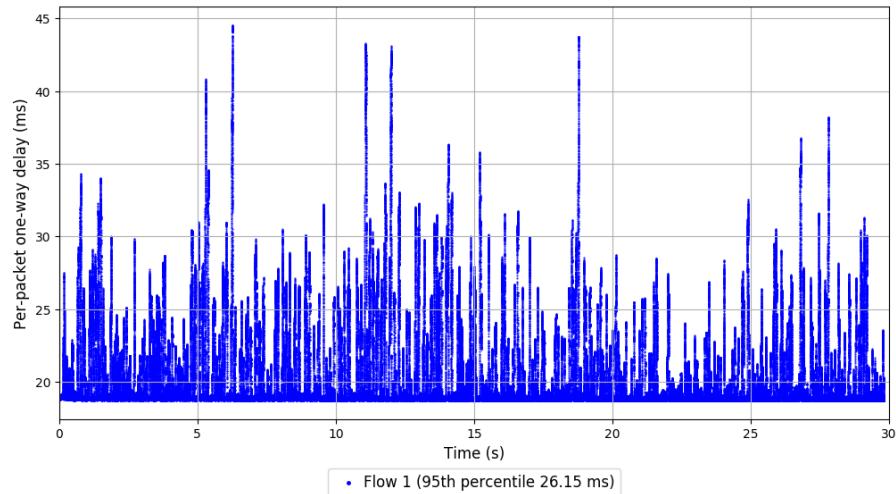
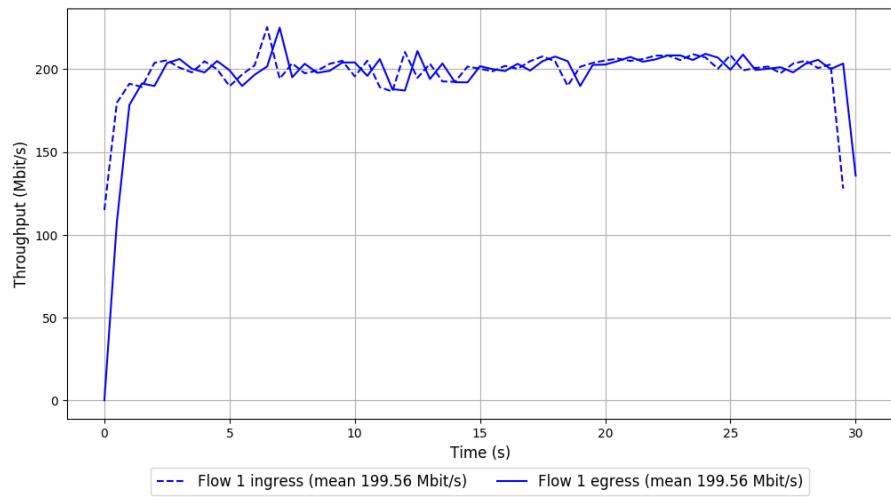


Run 5: Statistics of Indigo

```
Start at: 2018-05-21 23:22:34
End at: 2018-05-21 23:23:04
Local clock offset: -0.669 ms
Remote clock offset: 0.37 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.56 Mbit/s
95th percentile per-packet one-way delay: 26.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.56 Mbit/s
95th percentile per-packet one-way delay: 26.147 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

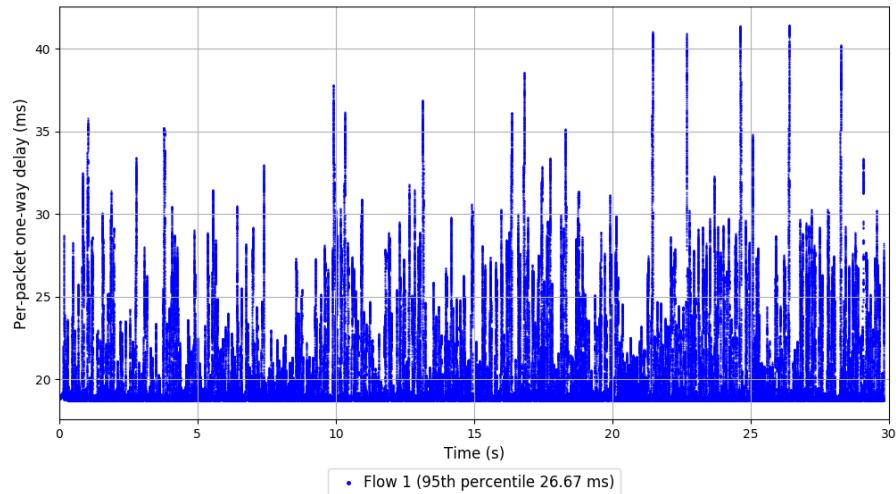
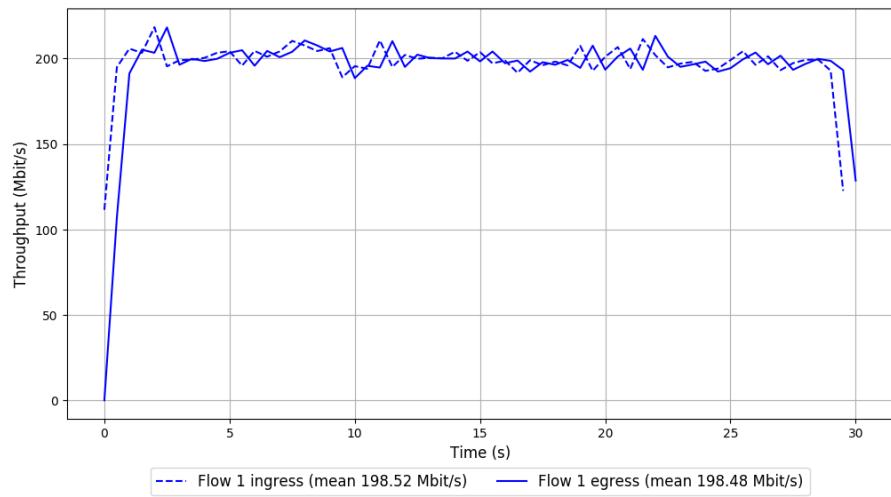


Run 6: Statistics of Indigo

```
Start at: 2018-05-21 23:46:29
End at: 2018-05-21 23:46:59
Local clock offset: -0.355 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.48 Mbit/s
95th percentile per-packet one-way delay: 26.667 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 198.48 Mbit/s
95th percentile per-packet one-way delay: 26.667 ms
Loss rate: 0.02%
```

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-22 00:10:23

End at: 2018-05-22 00:10:53

Local clock offset: 0.089 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-22 02:31:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 195.30 Mbit/s

95th percentile per-packet one-way delay: 27.994 ms

Loss rate: 0.03%

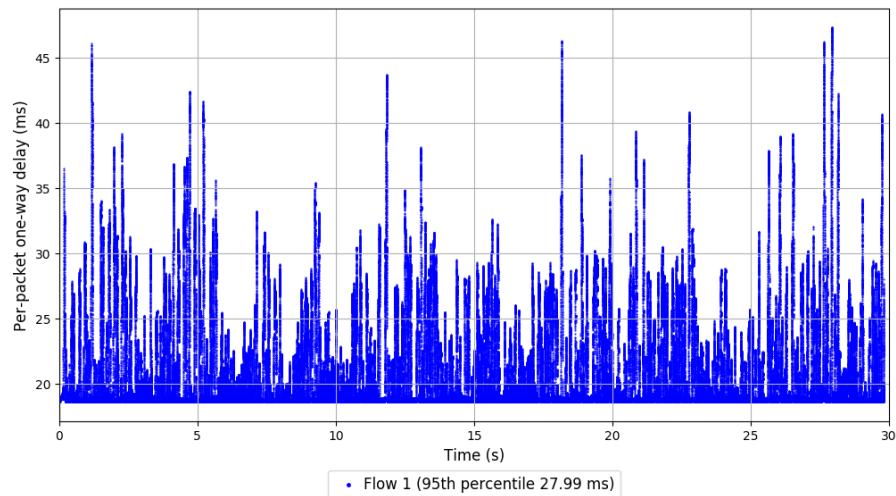
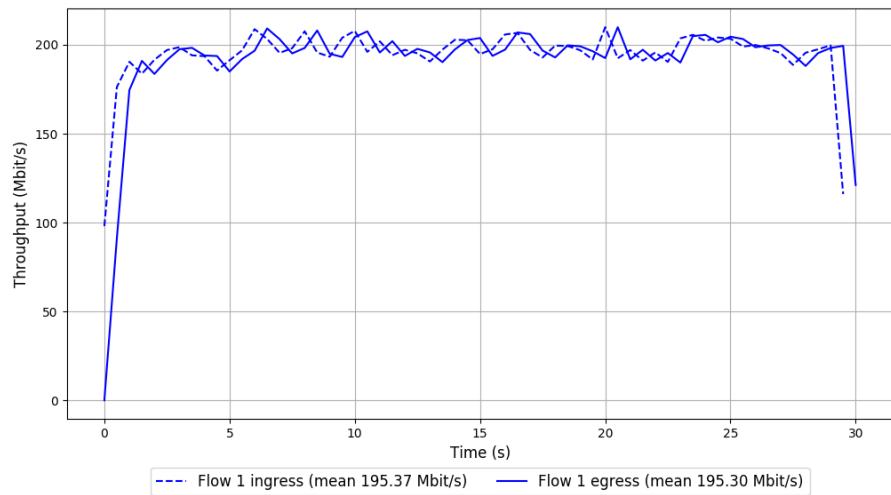
-- Flow 1:

Average throughput: 195.30 Mbit/s

95th percentile per-packet one-way delay: 27.994 ms

Loss rate: 0.03%

Run 7: Report of Indigo — Data Link

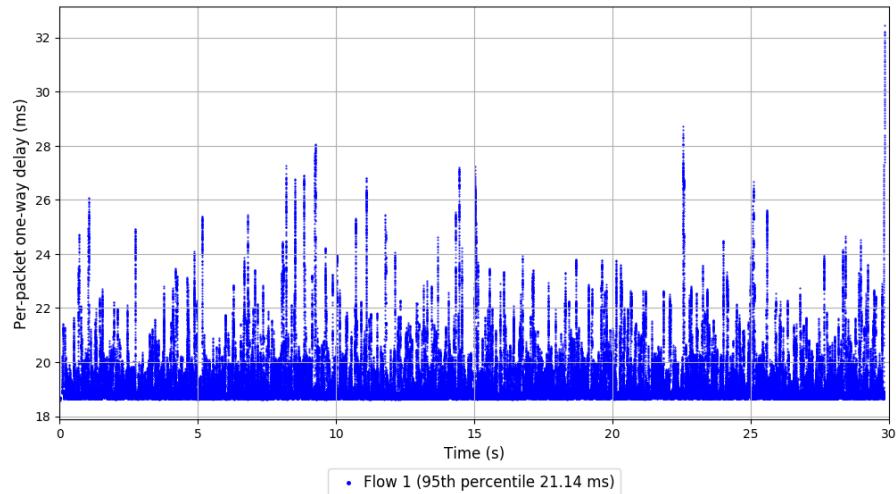
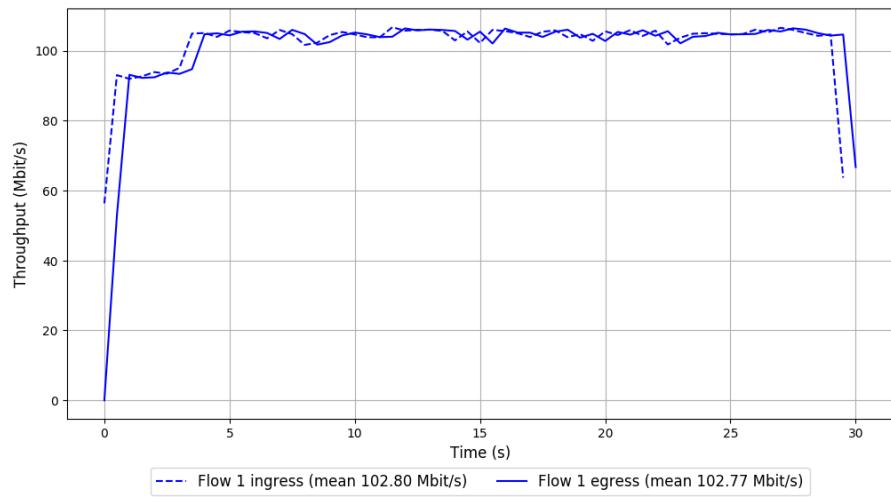


Run 8: Statistics of Indigo

```
Start at: 2018-05-22 00:34:12
End at: 2018-05-22 00:34:42
Local clock offset: 0.164 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.77 Mbit/s
95th percentile per-packet one-way delay: 21.143 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 102.77 Mbit/s
95th percentile per-packet one-way delay: 21.143 ms
Loss rate: 0.02%
```

Run 8: Report of Indigo — Data Link

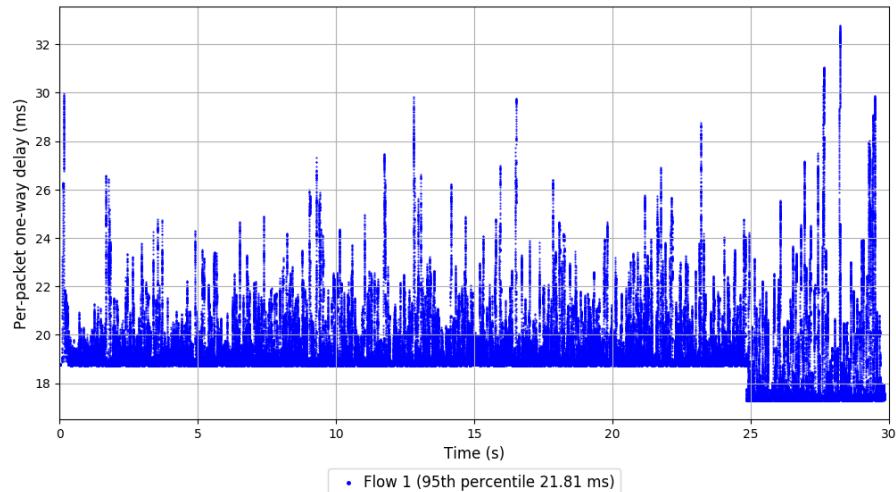
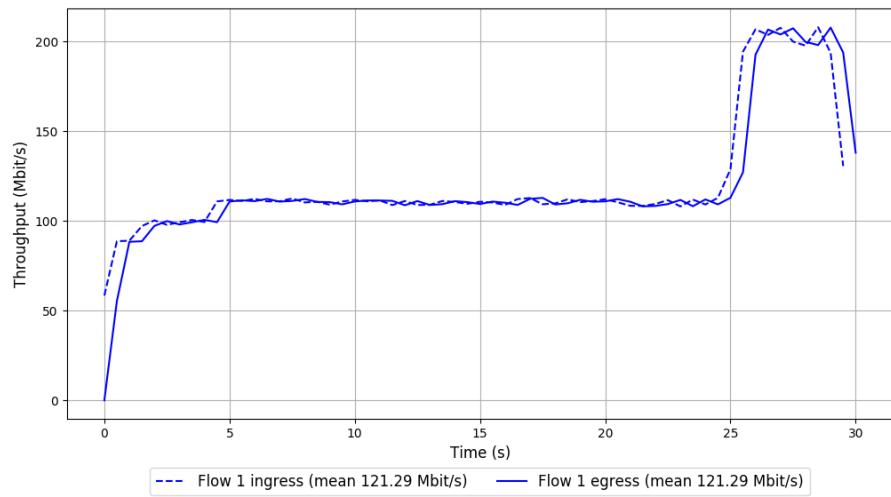


Run 9: Statistics of Indigo

```
Start at: 2018-05-22 00:57:51
End at: 2018-05-22 00:58:21
Local clock offset: 0.045 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.29 Mbit/s
95th percentile per-packet one-way delay: 21.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.29 Mbit/s
95th percentile per-packet one-way delay: 21.811 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

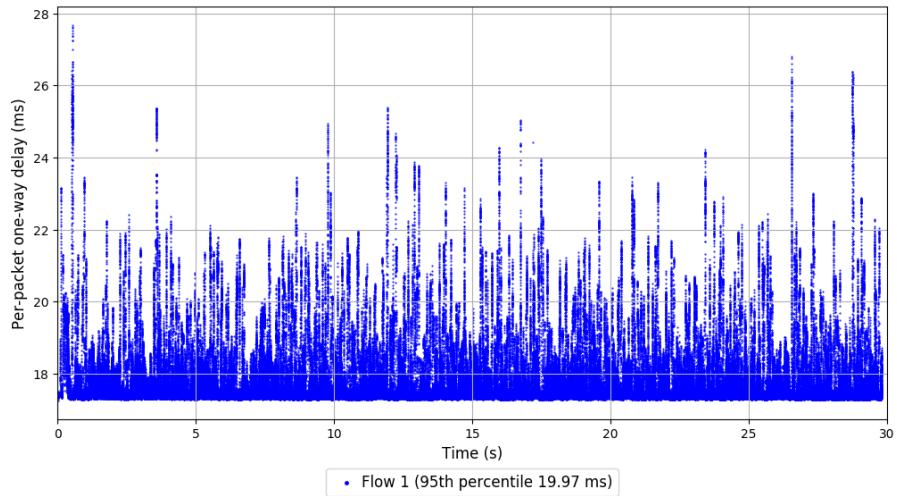
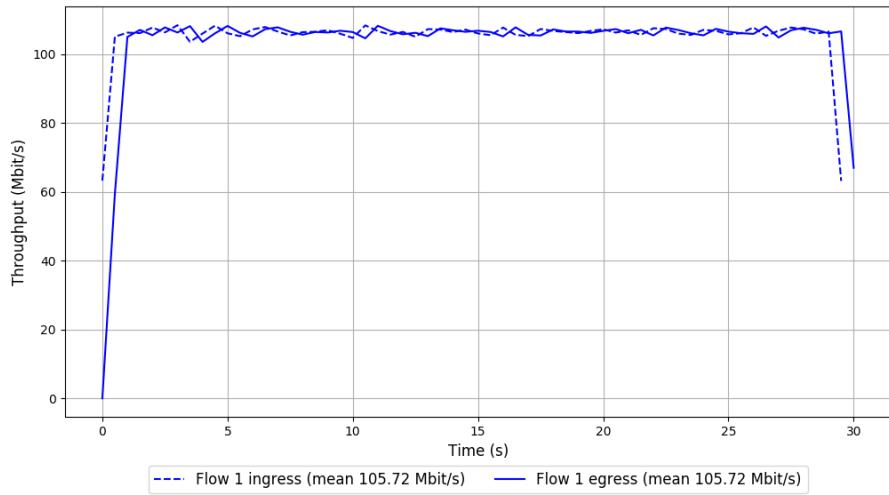


Run 10: Statistics of Indigo

```
Start at: 2018-05-22 01:21:25
End at: 2018-05-22 01:21:55
Local clock offset: -0.041 ms
Remote clock offset: 0.105 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.72 Mbit/s
95th percentile per-packet one-way delay: 19.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.72 Mbit/s
95th percentile per-packet one-way delay: 19.971 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

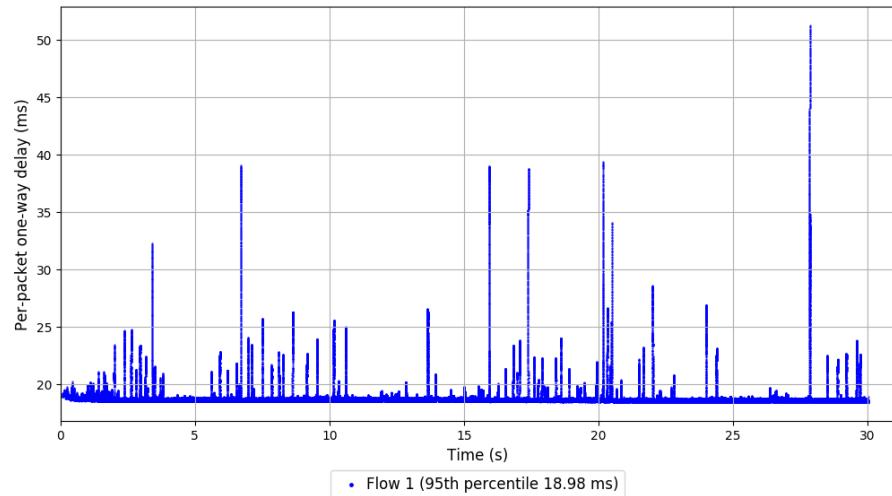
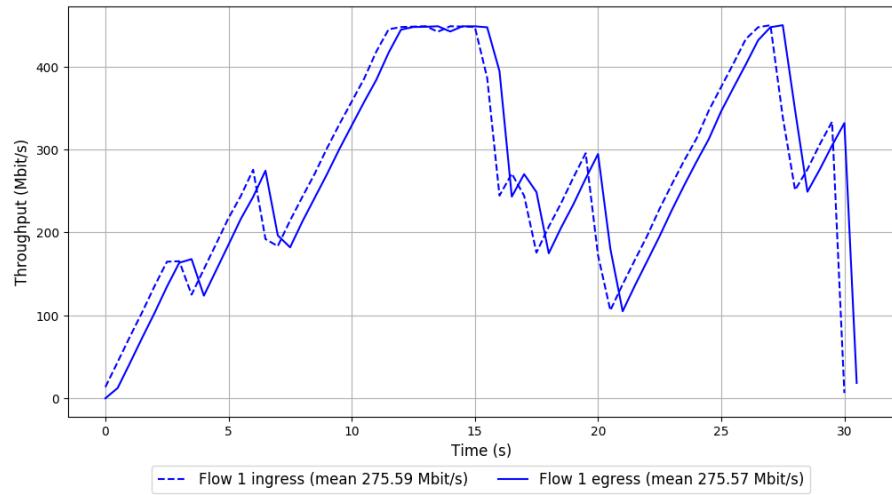


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-21 21:42:17
End at: 2018-05-21 21:42:47
Local clock offset: -1.553 ms
Remote clock offset: 4.897 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.57 Mbit/s
95th percentile per-packet one-way delay: 18.978 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 275.57 Mbit/s
95th percentile per-packet one-way delay: 18.978 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

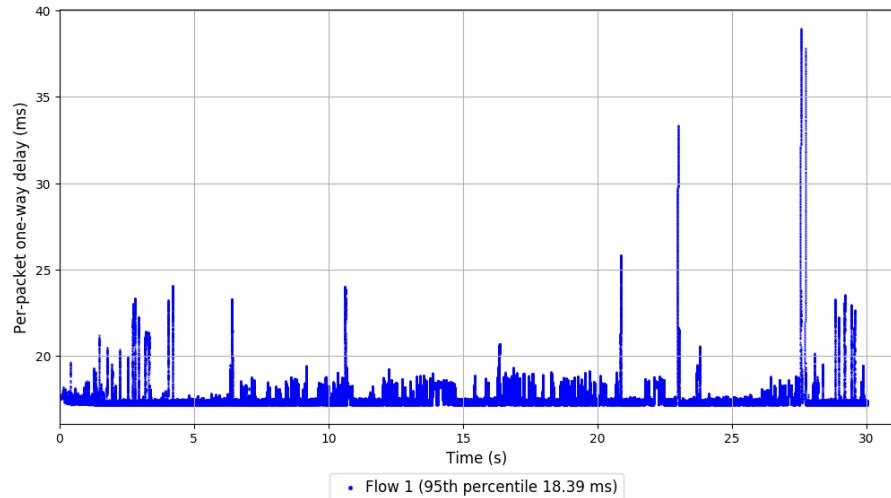
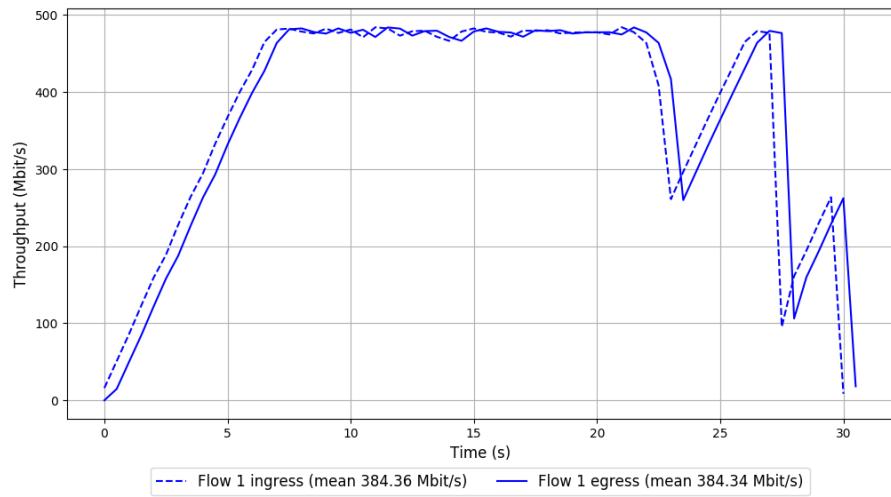


Run 2: Statistics of LEDBAT

```
Start at: 2018-05-21 22:06:14
End at: 2018-05-21 22:06:44
Local clock offset: -1.194 ms
Remote clock offset: 2.142 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 384.34 Mbit/s
95th percentile per-packet one-way delay: 18.389 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 384.34 Mbit/s
95th percentile per-packet one-way delay: 18.389 ms
Loss rate: 0.01%
```

Run 2: Report of LEDBAT — Data Link

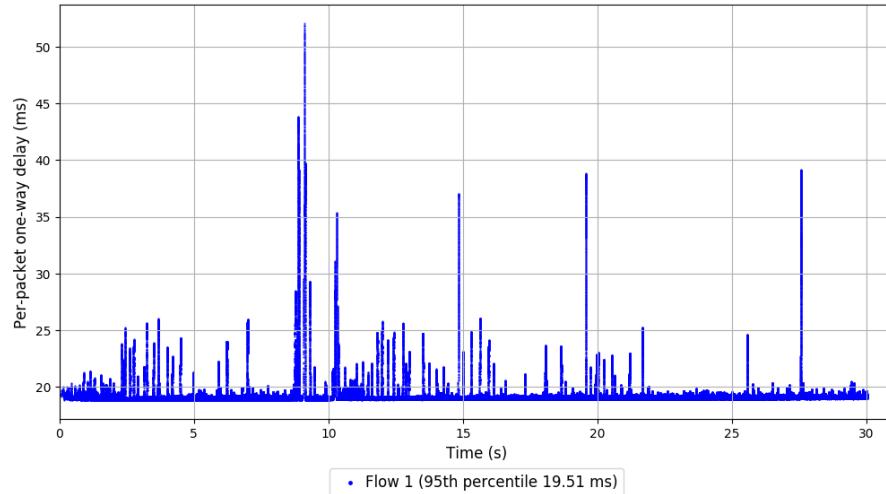
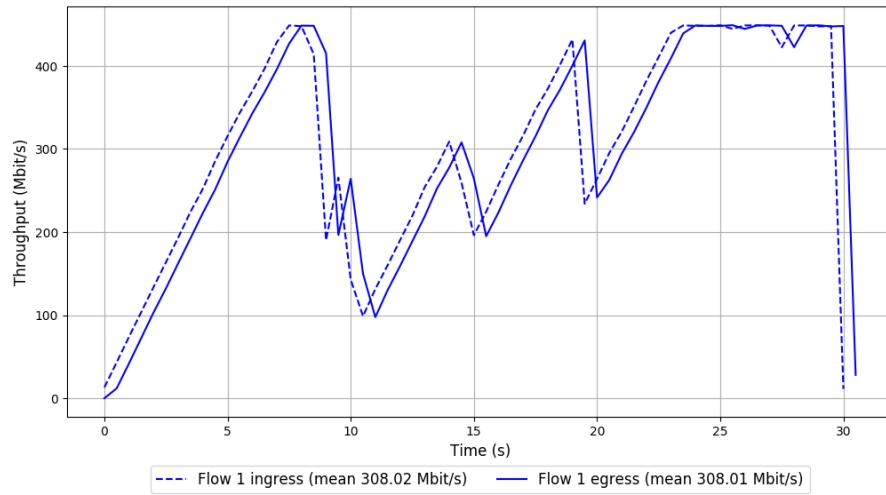


Run 3: Statistics of LEDBAT

```
Start at: 2018-05-21 22:30:11
End at: 2018-05-21 22:30:41
Local clock offset: -0.244 ms
Remote clock offset: 1.141 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 308.01 Mbit/s
95th percentile per-packet one-way delay: 19.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 308.01 Mbit/s
95th percentile per-packet one-way delay: 19.509 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

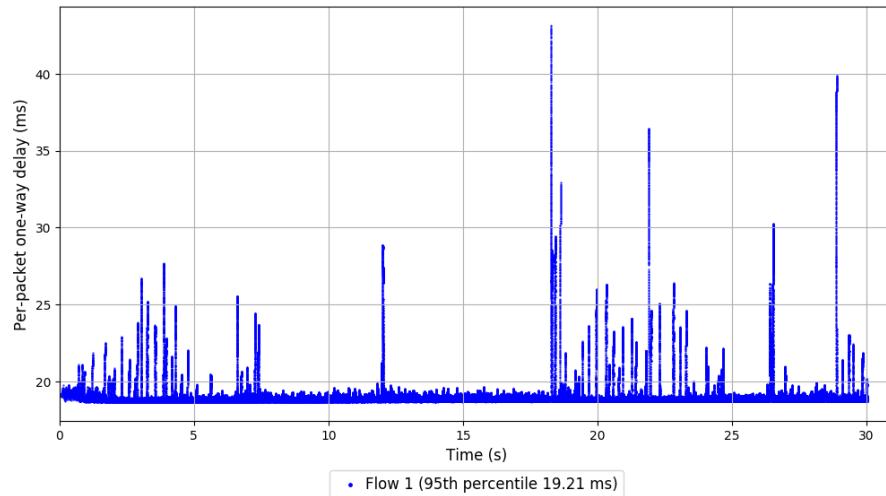
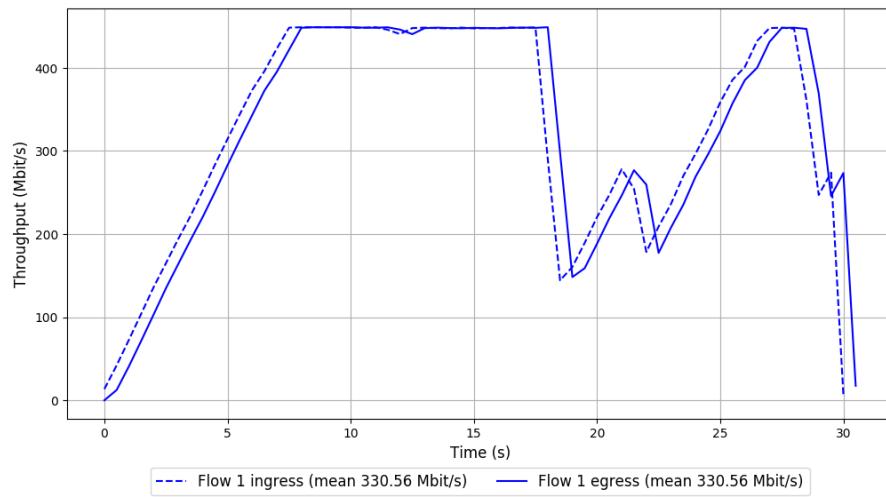


Run 4: Statistics of LEDBAT

```
Start at: 2018-05-21 22:54:02
End at: 2018-05-21 22:54:32
Local clock offset: 1.923 ms
Remote clock offset: 1.184 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 330.56 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 330.56 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

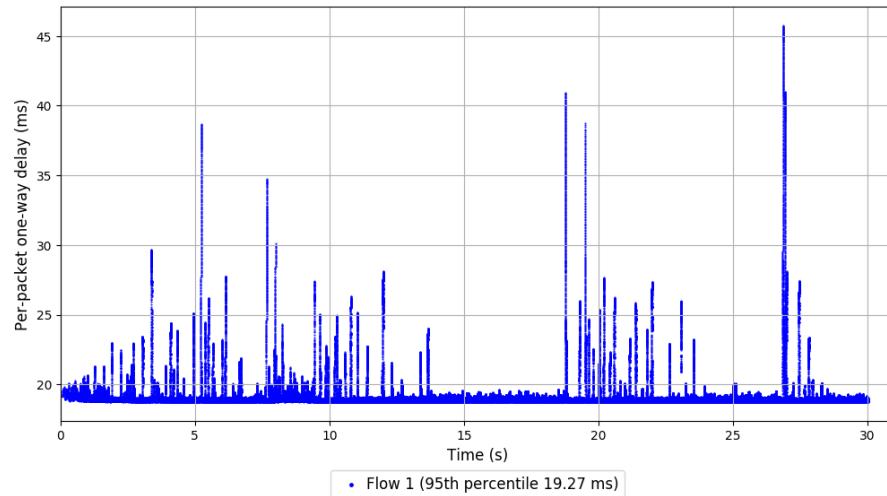
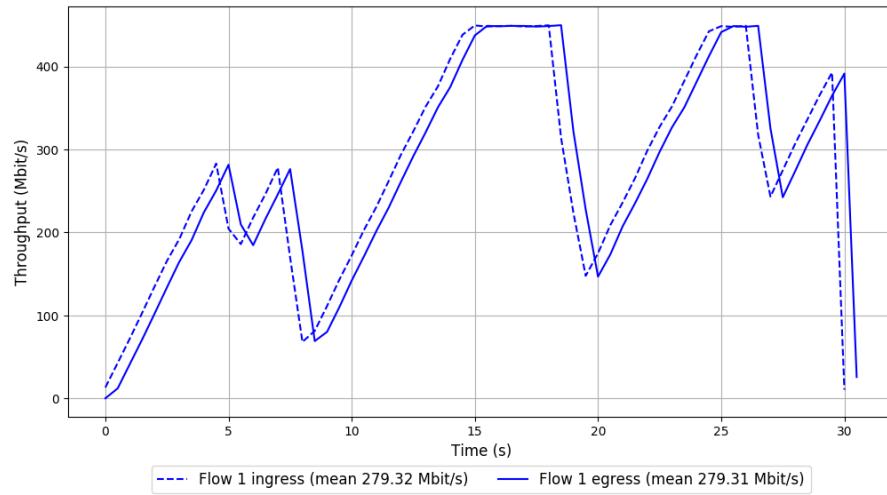


Run 5: Statistics of LEDBAT

```
Start at: 2018-05-21 23:18:00
End at: 2018-05-21 23:18:30
Local clock offset: -0.456 ms
Remote clock offset: 0.393 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 279.31 Mbit/s
95th percentile per-packet one-way delay: 19.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 279.31 Mbit/s
95th percentile per-packet one-way delay: 19.274 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

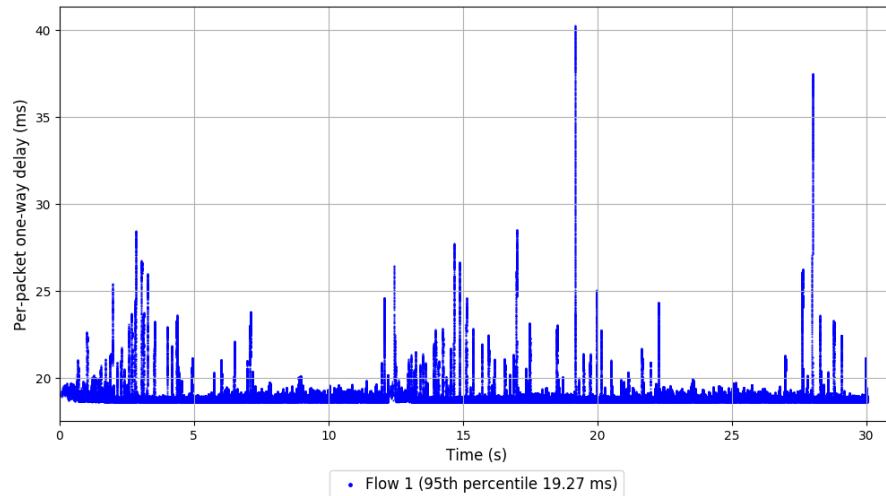
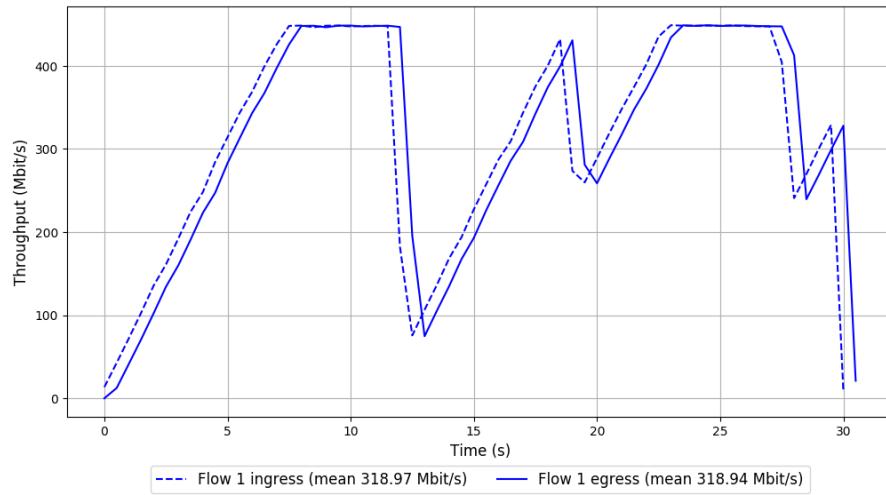


Run 6: Statistics of LEDBAT

```
Start at: 2018-05-21 23:41:51
End at: 2018-05-21 23:42:21
Local clock offset: -0.248 ms
Remote clock offset: 0.062 ms

# Below is generated by plot.py at 2018-05-22 02:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.94 Mbit/s
95th percentile per-packet one-way delay: 19.274 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 318.94 Mbit/s
95th percentile per-packet one-way delay: 19.274 ms
Loss rate: 0.01%
```

Run 6: Report of LEDBAT — Data Link

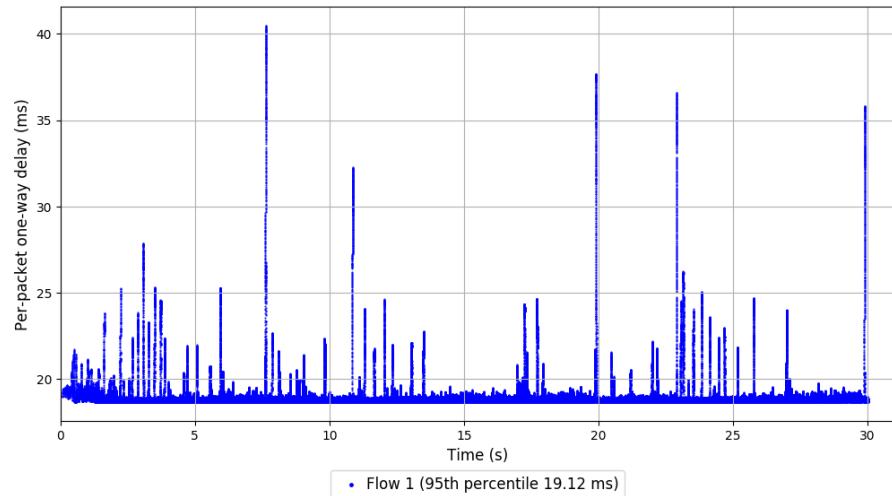
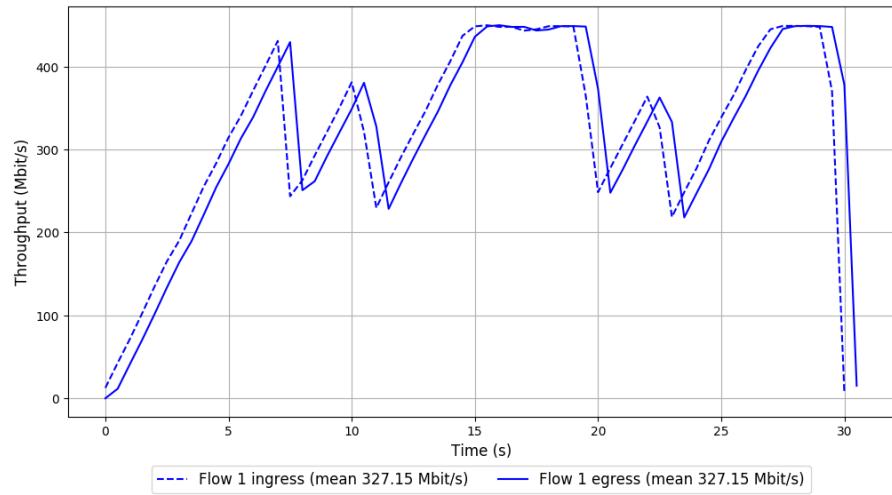


Run 7: Statistics of LEDBAT

```
Start at: 2018-05-22 00:05:53
End at: 2018-05-22 00:06:23
Local clock offset: -0.014 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-05-22 02:31:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.15 Mbit/s
95th percentile per-packet one-way delay: 19.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 327.15 Mbit/s
95th percentile per-packet one-way delay: 19.116 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

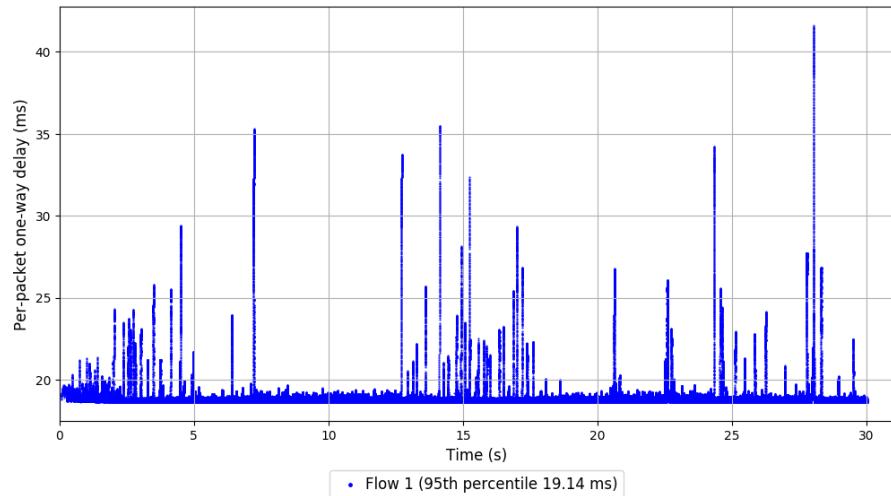
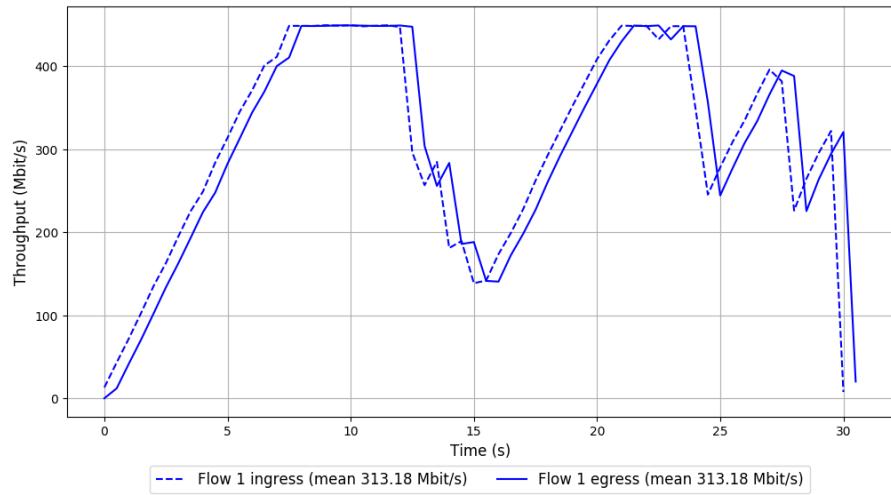


Run 8: Statistics of LEDBAT

```
Start at: 2018-05-22 00:29:39
End at: 2018-05-22 00:30:09
Local clock offset: 0.148 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-05-22 02:31:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 313.18 Mbit/s
95th percentile per-packet one-way delay: 19.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 313.18 Mbit/s
95th percentile per-packet one-way delay: 19.139 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

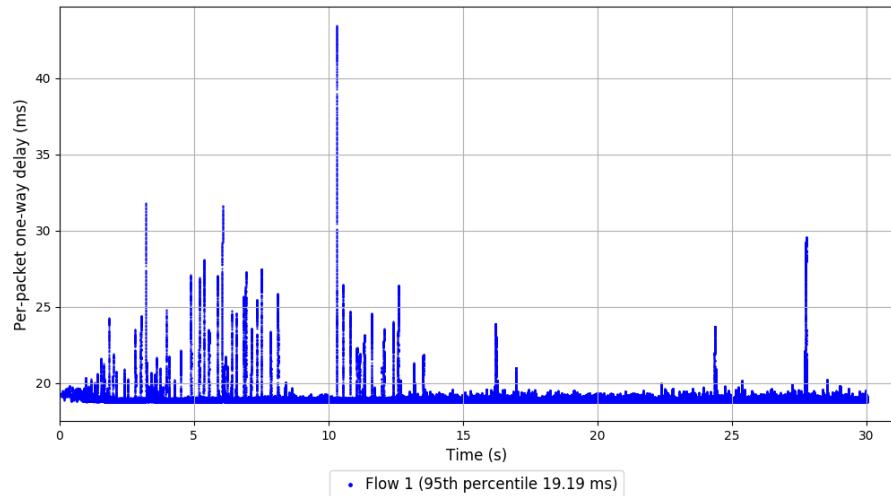
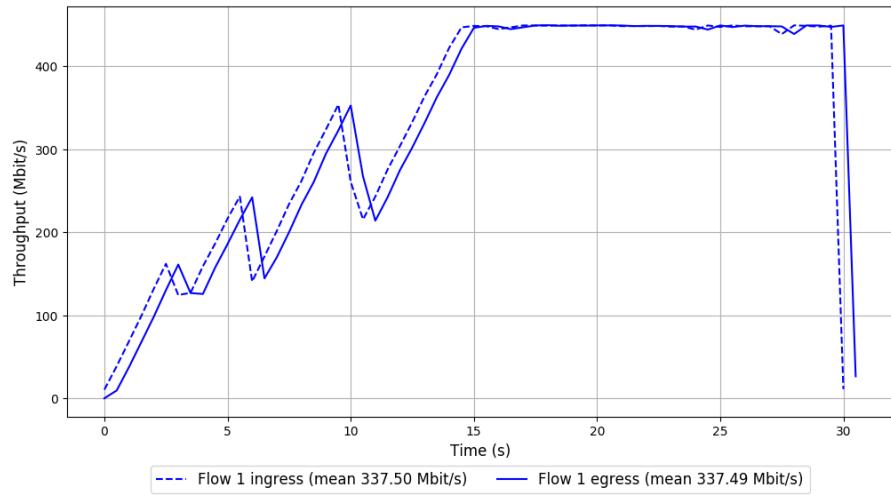


Run 9: Statistics of LEDBAT

```
Start at: 2018-05-22 00:53:21
End at: 2018-05-22 00:53:51
Local clock offset: 0.055 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2018-05-22 02:32:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.49 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 337.49 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.01%
```

Run 9: Report of LEDBAT — Data Link

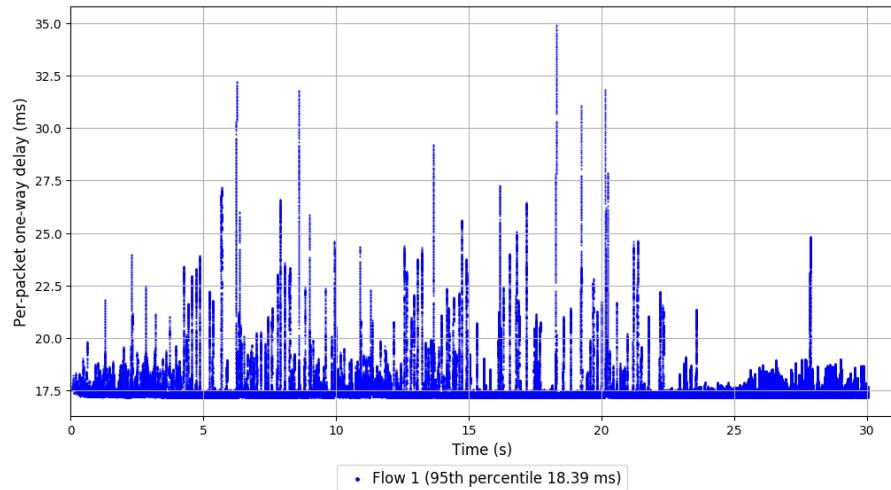
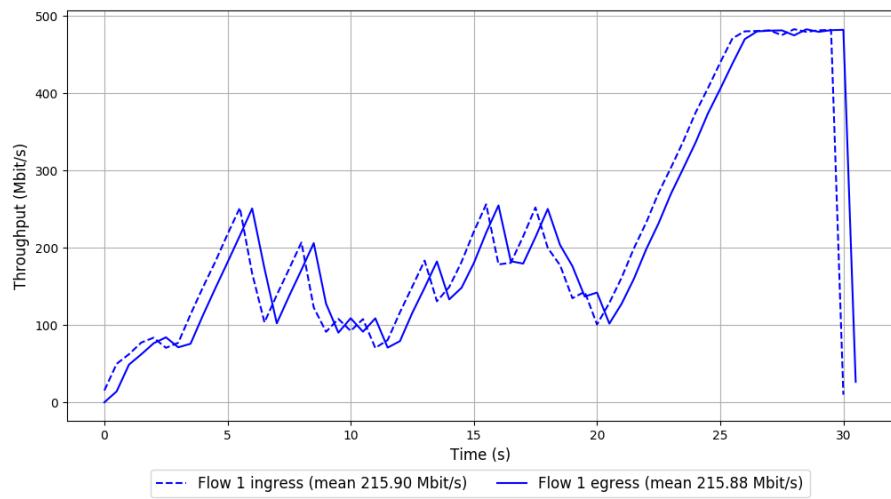


Run 10: Statistics of LEDBAT

```
Start at: 2018-05-22 01:16:59
End at: 2018-05-22 01:17:29
Local clock offset: 0.073 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2018-05-22 02:32:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.88 Mbit/s
95th percentile per-packet one-way delay: 18.389 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 215.88 Mbit/s
95th percentile per-packet one-way delay: 18.389 ms
Loss rate: 0.01%
```

Run 10: Report of LEDBAT — Data Link

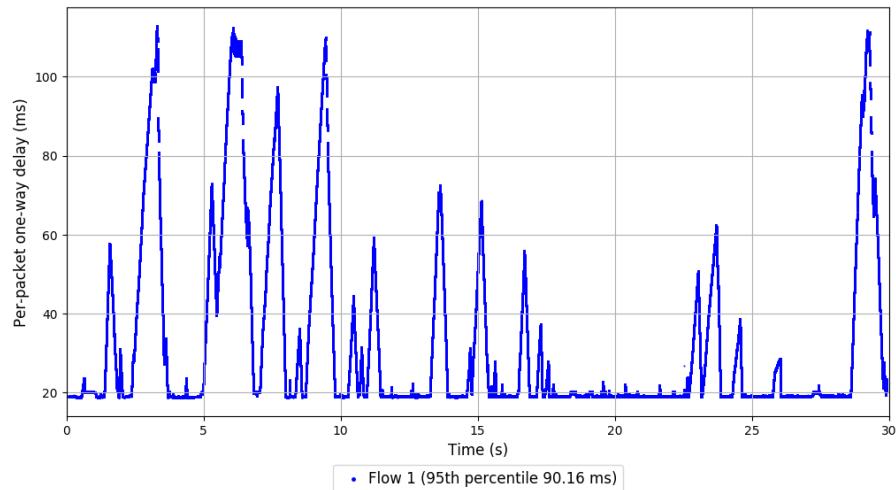
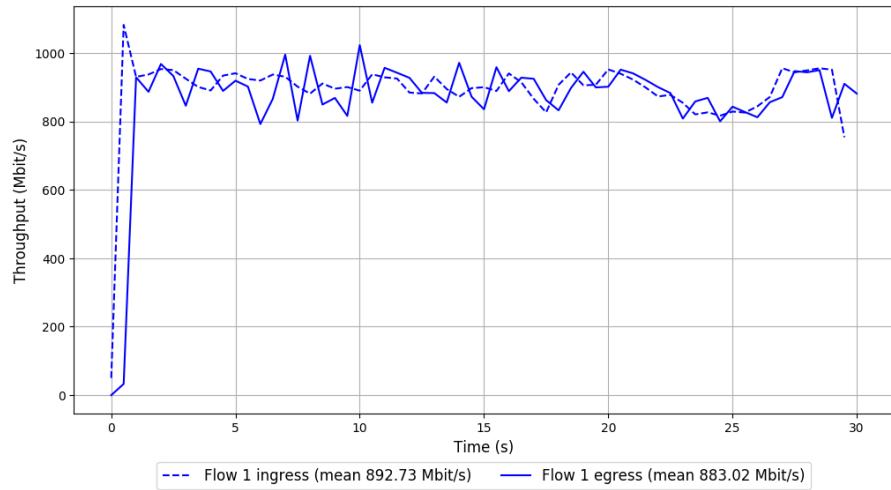


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-21 21:45:07
End at: 2018-05-21 21:45:37
Local clock offset: -1.771 ms
Remote clock offset: 4.572 ms

# Below is generated by plot.py at 2018-05-22 02:39:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 883.02 Mbit/s
95th percentile per-packet one-way delay: 90.164 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 883.02 Mbit/s
95th percentile per-packet one-way delay: 90.164 ms
Loss rate: 1.09%
```

Run 1: Report of PCC-Allegro — Data Link

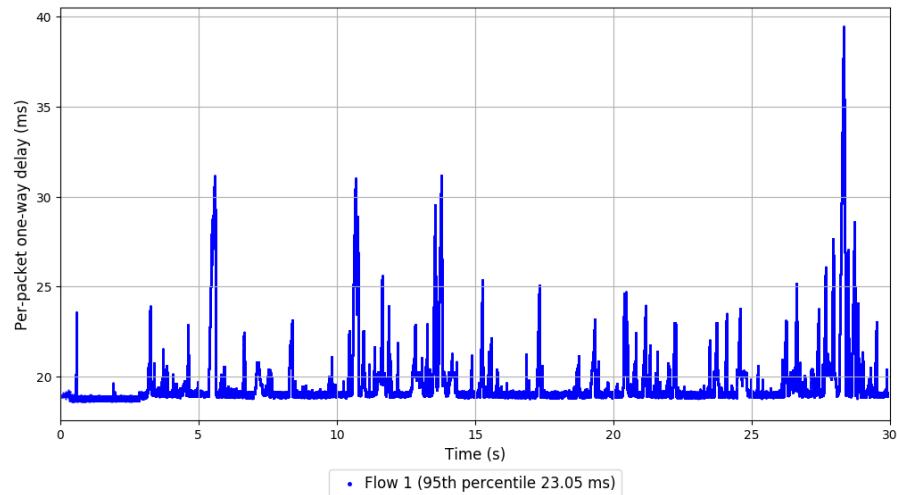
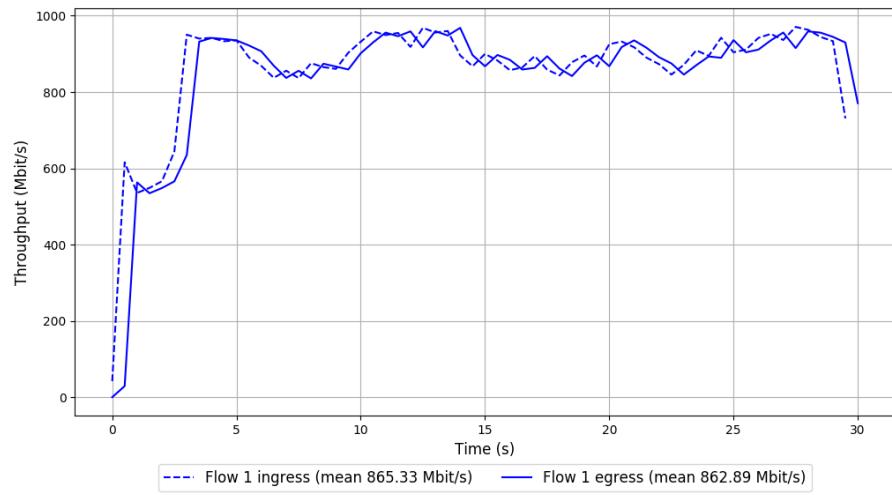


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-05-21 22:09:13
End at: 2018-05-21 22:09:43
Local clock offset: -1.061 ms
Remote clock offset: 2.316 ms

# Below is generated by plot.py at 2018-05-22 02:40:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 862.89 Mbit/s
95th percentile per-packet one-way delay: 23.051 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 862.89 Mbit/s
95th percentile per-packet one-way delay: 23.051 ms
Loss rate: 0.28%
```

Run 2: Report of PCC-Allegro — Data Link

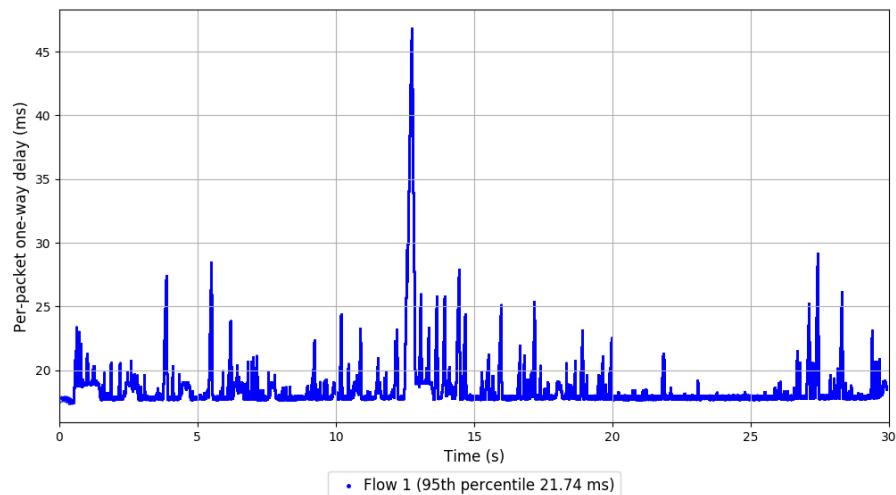
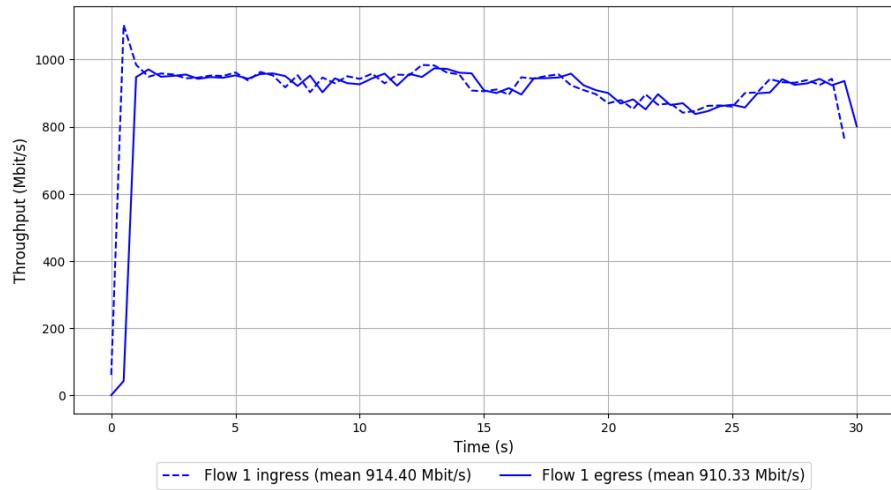


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-05-21 22:33:01
End at: 2018-05-21 22:33:31
Local clock offset: 0.345 ms
Remote clock offset: 1.07 ms

# Below is generated by plot.py at 2018-05-22 02:42:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 910.33 Mbit/s
95th percentile per-packet one-way delay: 21.737 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 910.33 Mbit/s
95th percentile per-packet one-way delay: 21.737 ms
Loss rate: 0.44%
```

Run 3: Report of PCC-Allegro — Data Link

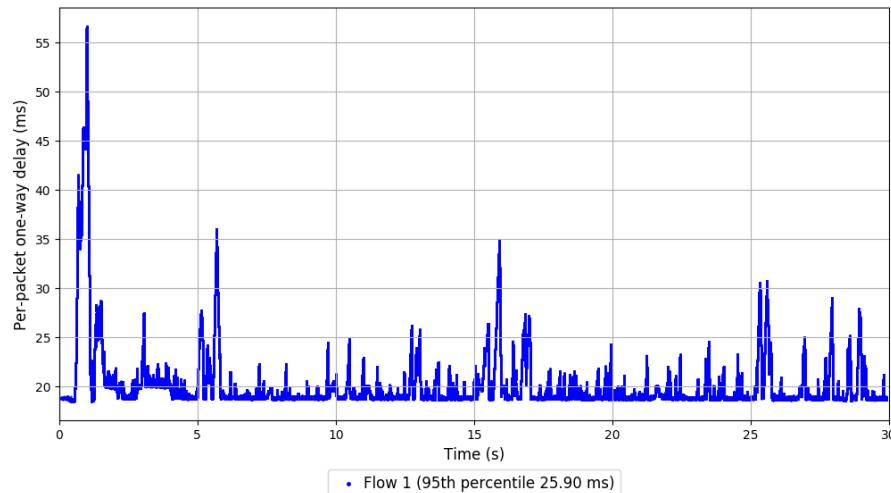
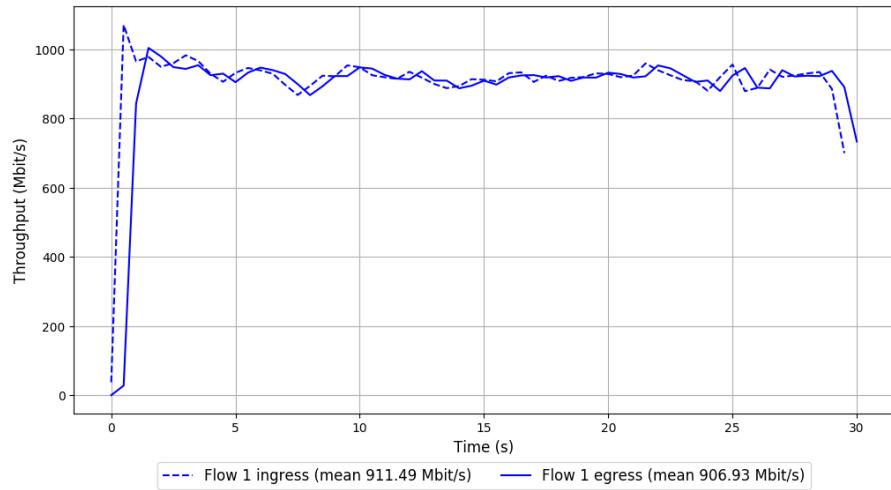


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-05-21 22:56:58
End at: 2018-05-21 22:57:28
Local clock offset: 1.872 ms
Remote clock offset: 0.846 ms

# Below is generated by plot.py at 2018-05-22 02:42:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 906.93 Mbit/s
95th percentile per-packet one-way delay: 25.900 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 906.93 Mbit/s
95th percentile per-packet one-way delay: 25.900 ms
Loss rate: 0.50%
```

Run 4: Report of PCC-Allegro — Data Link

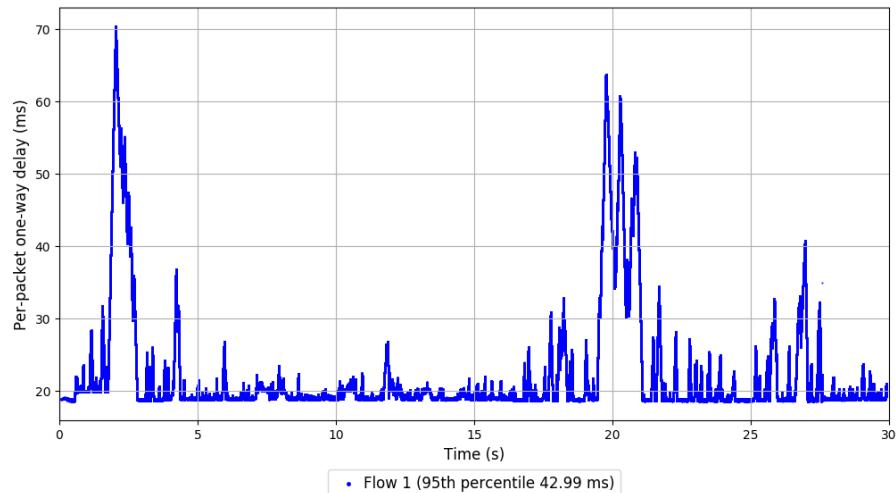
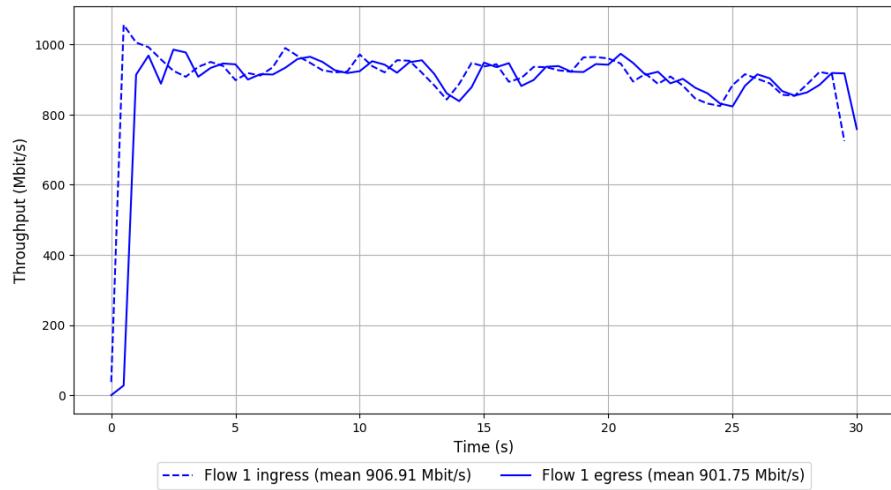


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-05-21 23:20:55
End at: 2018-05-21 23:21:25
Local clock offset: -0.528 ms
Remote clock offset: 0.315 ms

# Below is generated by plot.py at 2018-05-22 02:42:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 901.75 Mbit/s
95th percentile per-packet one-way delay: 42.990 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 901.75 Mbit/s
95th percentile per-packet one-way delay: 42.990 ms
Loss rate: 0.57%
```

Run 5: Report of PCC-Allegro — Data Link

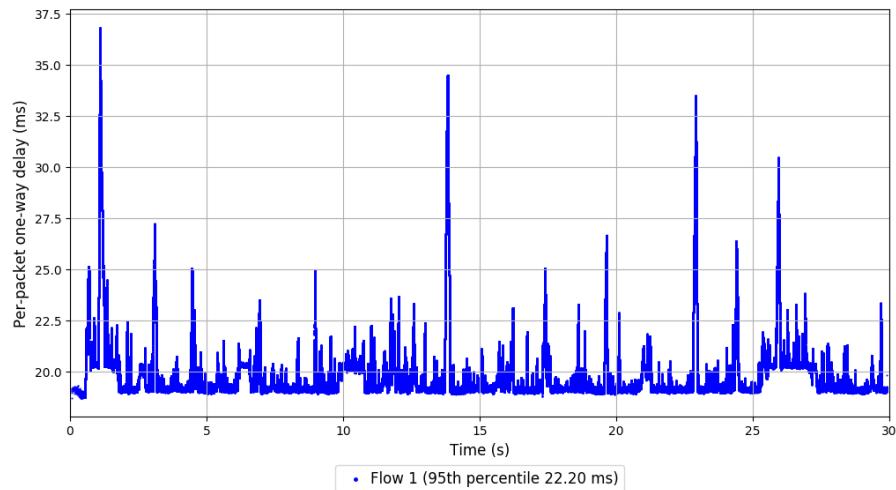
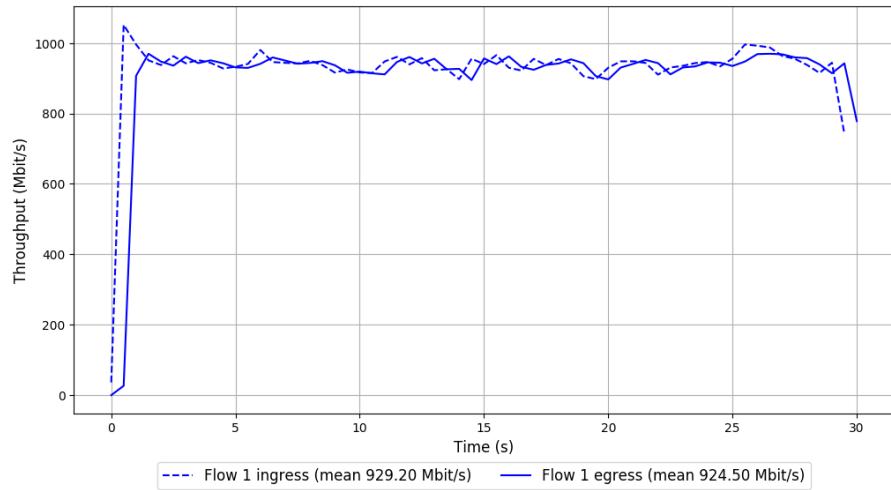


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-05-21 23:44:50
End at: 2018-05-21 23:45:20
Local clock offset: -0.351 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-05-22 02:42:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 924.50 Mbit/s
95th percentile per-packet one-way delay: 22.196 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 924.50 Mbit/s
95th percentile per-packet one-way delay: 22.196 ms
Loss rate: 0.50%
```

Run 6: Report of PCC-Allegro — Data Link

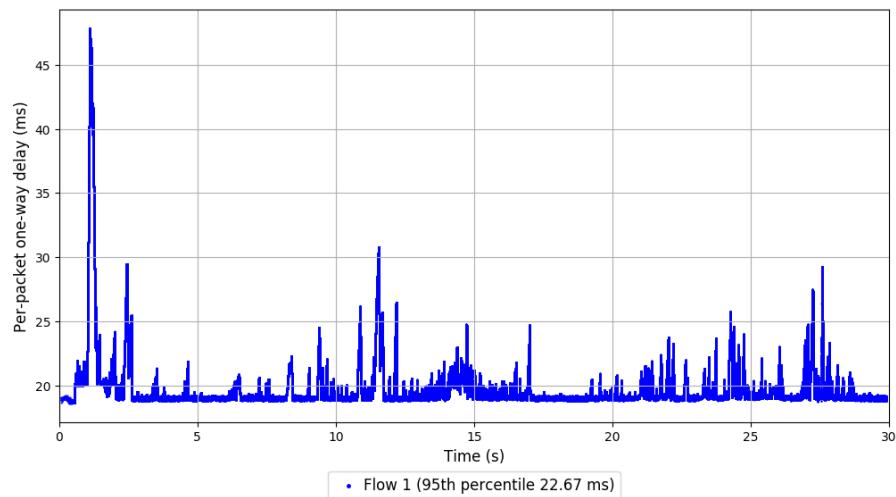
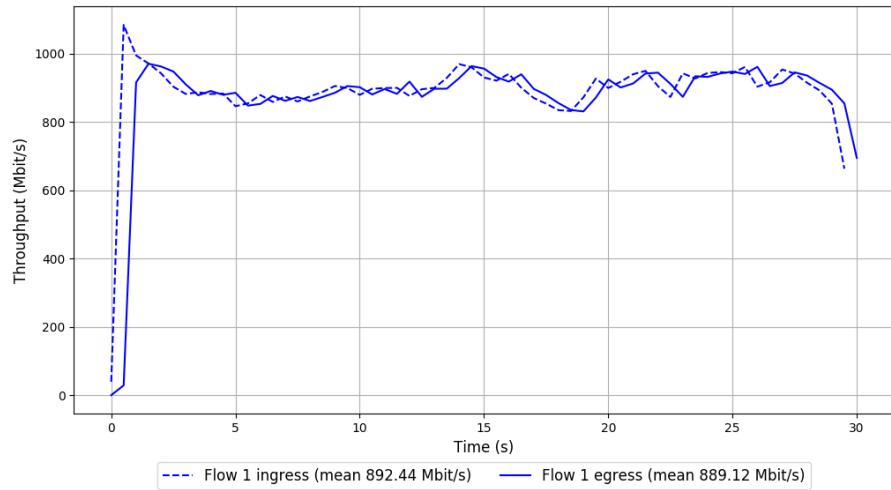


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-05-22 00:08:45
End at: 2018-05-22 00:09:15
Local clock offset: -0.016 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-05-22 02:43:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 889.12 Mbit/s
95th percentile per-packet one-way delay: 22.670 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 889.12 Mbit/s
95th percentile per-packet one-way delay: 22.670 ms
Loss rate: 0.37%
```

Run 7: Report of PCC-Allegro — Data Link

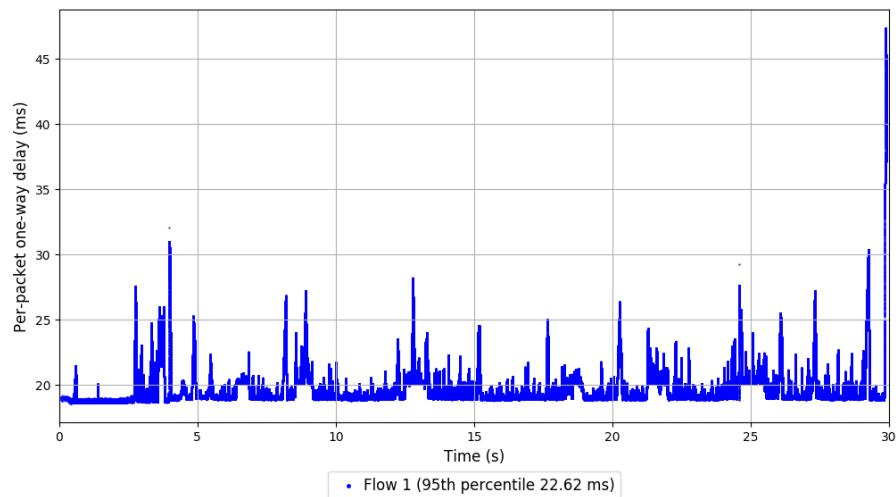
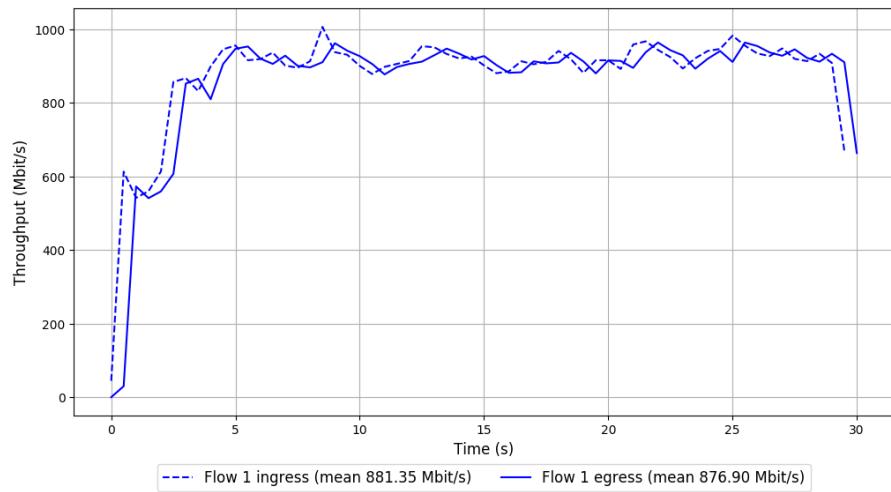


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-05-22 00:32:34
End at: 2018-05-22 00:33:04
Local clock offset: 0.065 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-05-22 02:43:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 876.90 Mbit/s
95th percentile per-packet one-way delay: 22.623 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 876.90 Mbit/s
95th percentile per-packet one-way delay: 22.623 ms
Loss rate: 0.51%
```

Run 8: Report of PCC-Allegro — Data Link

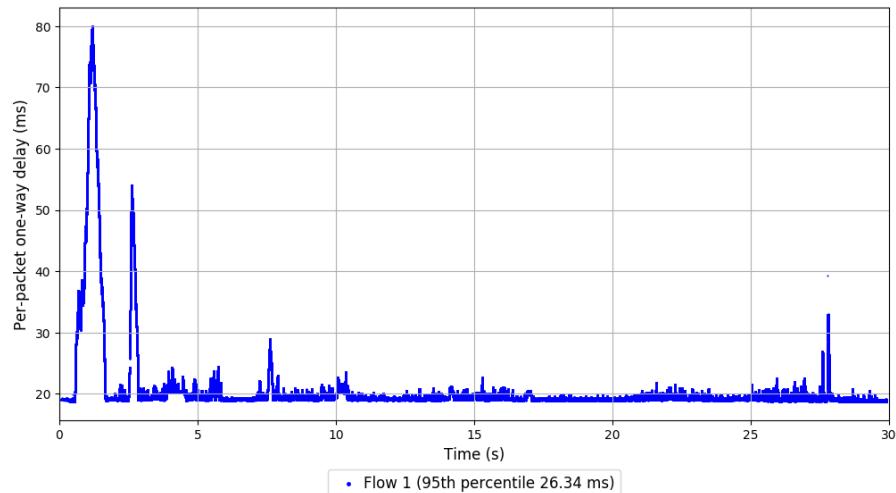
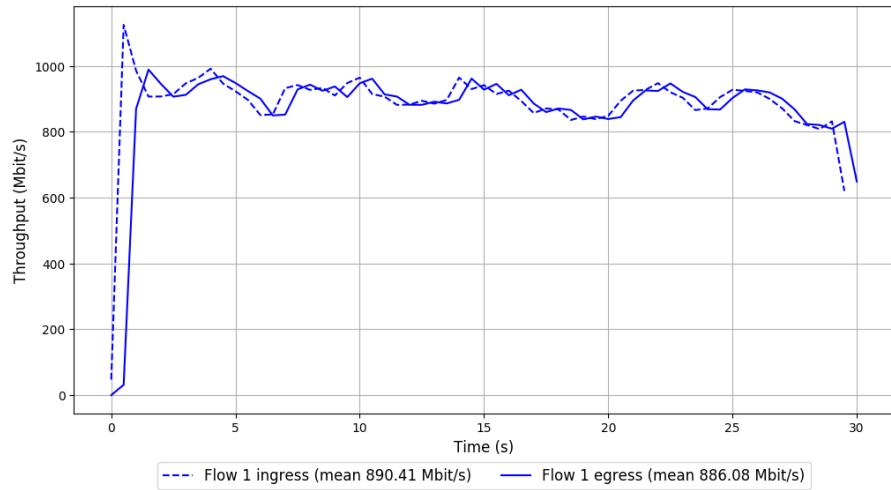


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-05-22 00:56:14
End at: 2018-05-22 00:56:44
Local clock offset: 0.046 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-05-22 02:51:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 886.08 Mbit/s
95th percentile per-packet one-way delay: 26.341 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 886.08 Mbit/s
95th percentile per-packet one-way delay: 26.341 ms
Loss rate: 0.49%
```

Run 9: Report of PCC-Allegro — Data Link

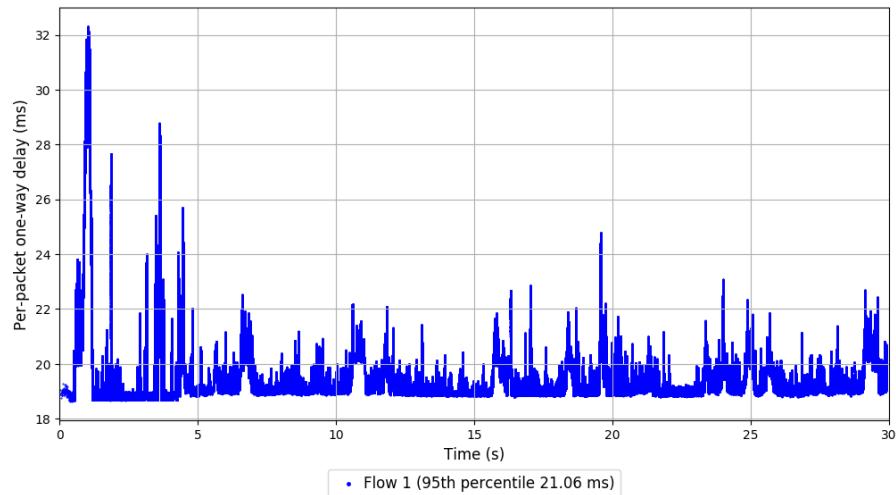
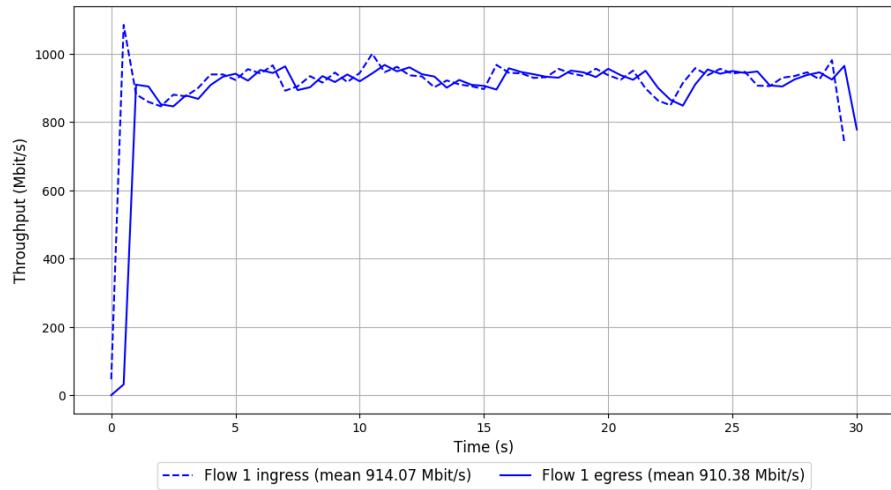


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-05-22 01:19:46
End at: 2018-05-22 01:20:16
Local clock offset: 0.051 ms
Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2018-05-22 02:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 910.38 Mbit/s
95th percentile per-packet one-way delay: 21.060 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 910.38 Mbit/s
95th percentile per-packet one-way delay: 21.060 ms
Loss rate: 0.40%
```

Run 10: Report of PCC-Allegro — Data Link

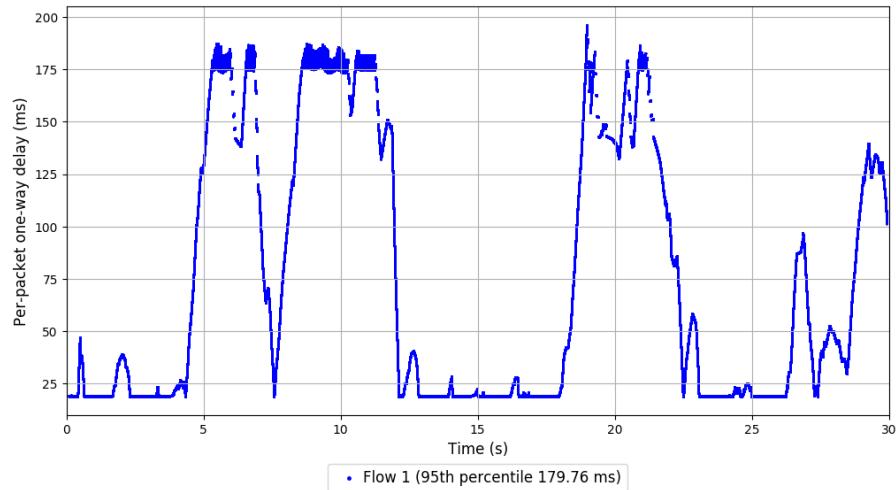
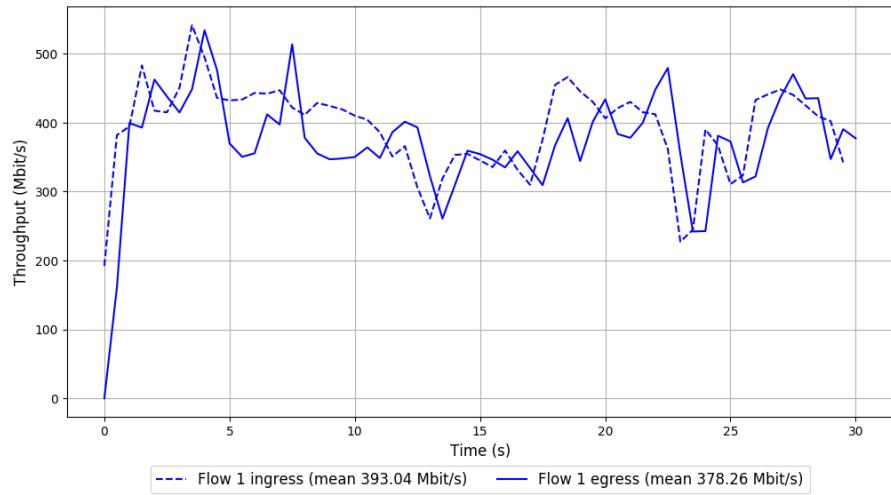


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-05-21 21:51:09
End at: 2018-05-21 21:51:39
Local clock offset: -2.385 ms
Remote clock offset: 2.709 ms

# Below is generated by plot.py at 2018-05-22 02:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 378.26 Mbit/s
95th percentile per-packet one-way delay: 179.761 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 378.26 Mbit/s
95th percentile per-packet one-way delay: 179.761 ms
Loss rate: 3.76%
```

Run 1: Report of PCC-Expr — Data Link

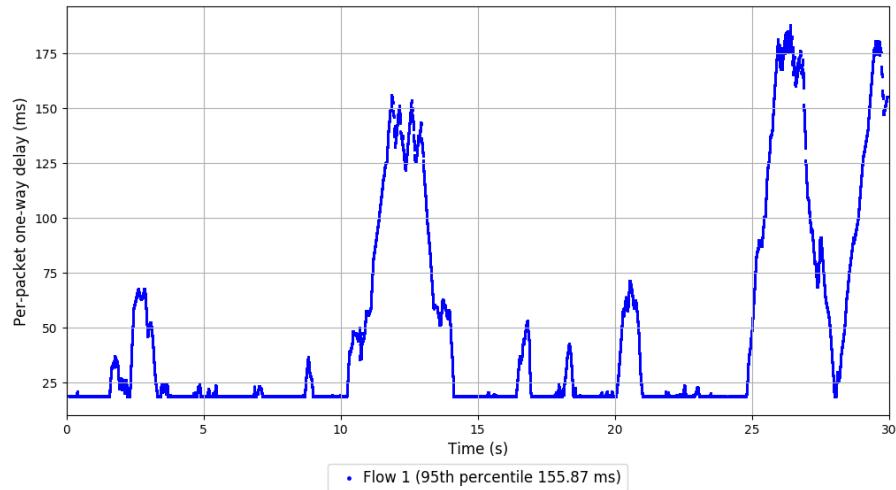
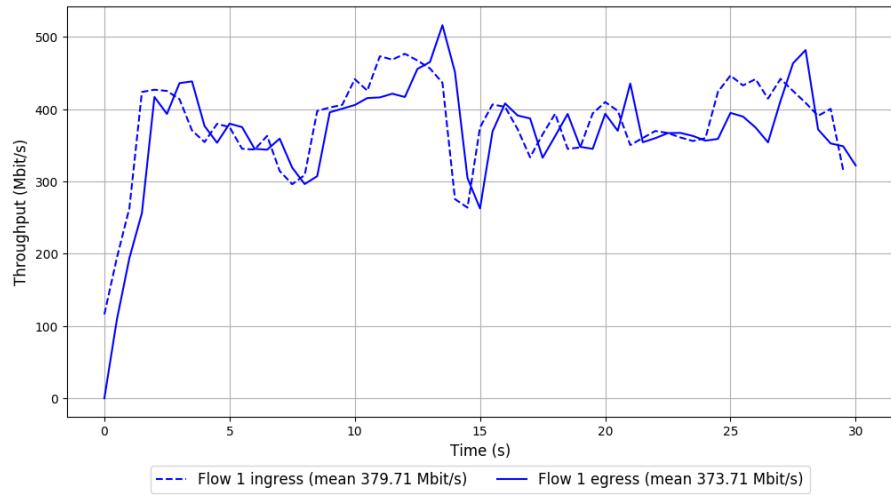


Run 2: Statistics of PCC-Expr

```
Start at: 2018-05-21 22:15:11
End at: 2018-05-21 22:15:41
Local clock offset: -0.98 ms
Remote clock offset: 2.642 ms

# Below is generated by plot.py at 2018-05-22 02:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 373.71 Mbit/s
95th percentile per-packet one-way delay: 155.874 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 373.71 Mbit/s
95th percentile per-packet one-way delay: 155.874 ms
Loss rate: 1.58%
```

Run 2: Report of PCC-Expr — Data Link

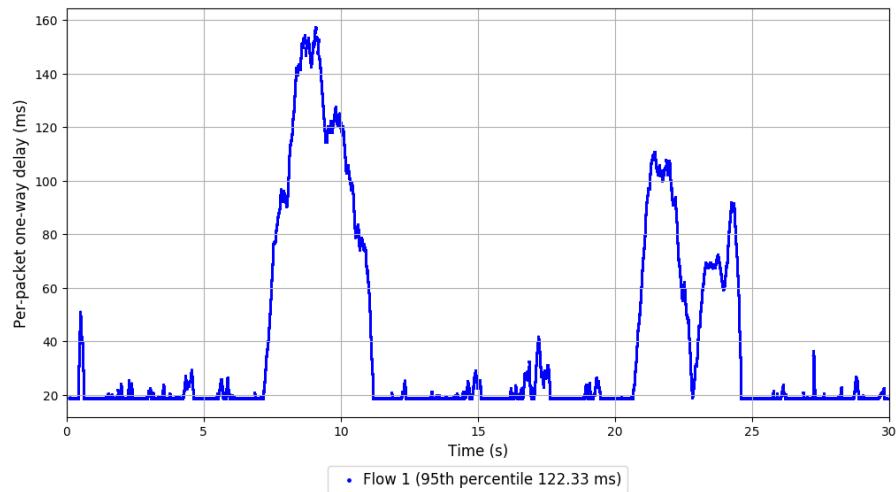
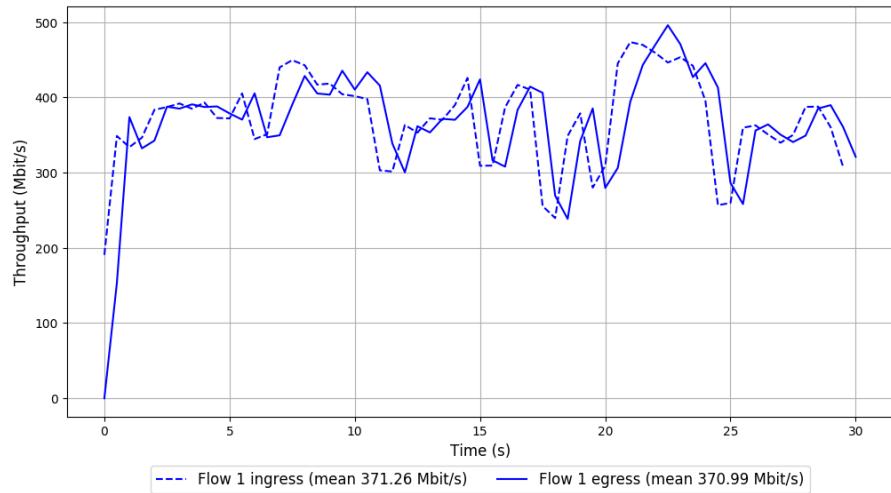


Run 3: Statistics of PCC-Expr

```
Start at: 2018-05-21 22:39:01
End at: 2018-05-21 22:39:31
Local clock offset: 1.263 ms
Remote clock offset: 1.016 ms

# Below is generated by plot.py at 2018-05-22 02:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.99 Mbit/s
95th percentile per-packet one-way delay: 122.325 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 370.99 Mbit/s
95th percentile per-packet one-way delay: 122.325 ms
Loss rate: 0.08%
```

Run 3: Report of PCC-Expr — Data Link

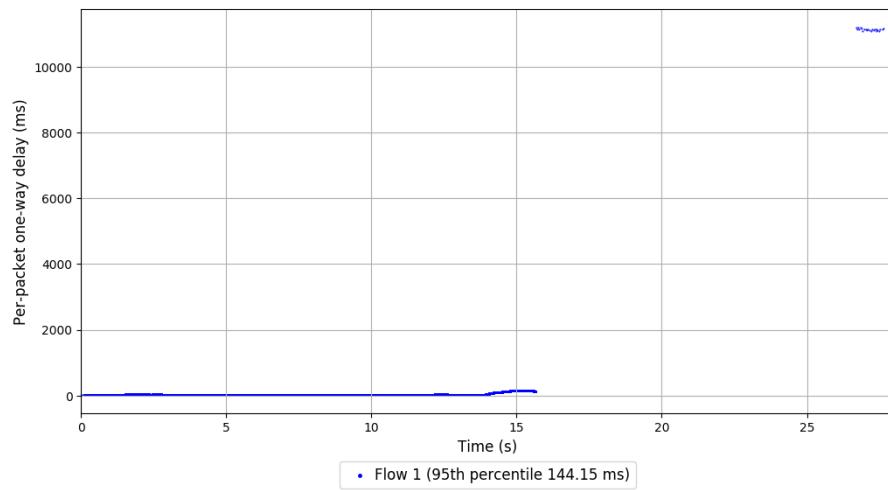
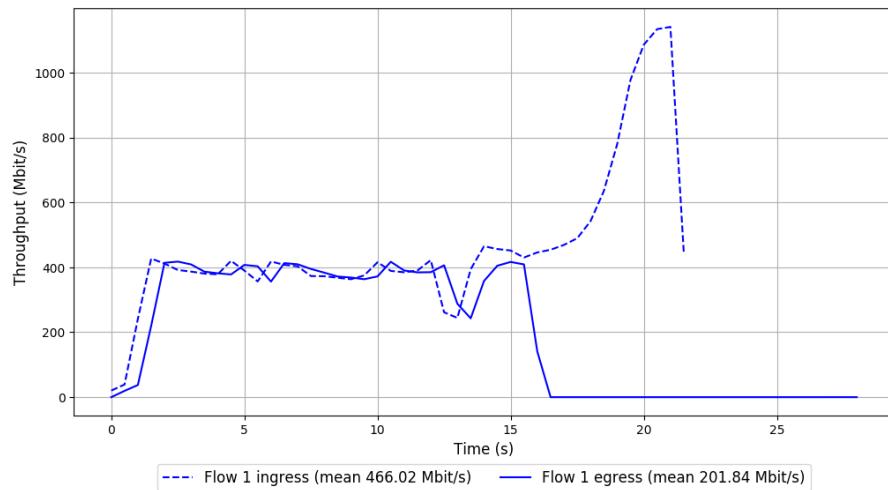


Run 4: Statistics of PCC-Expr

```
Start at: 2018-05-21 23:02:58
End at: 2018-05-21 23:03:28
Local clock offset: 0.835 ms
Remote clock offset: 0.536 ms

# Below is generated by plot.py at 2018-05-22 02:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.84 Mbit/s
95th percentile per-packet one-way delay: 144.154 ms
Loss rate: 44.88%
-- Flow 1:
Average throughput: 201.84 Mbit/s
95th percentile per-packet one-way delay: 144.154 ms
Loss rate: 44.88%
```

Run 4: Report of PCC-Expr — Data Link

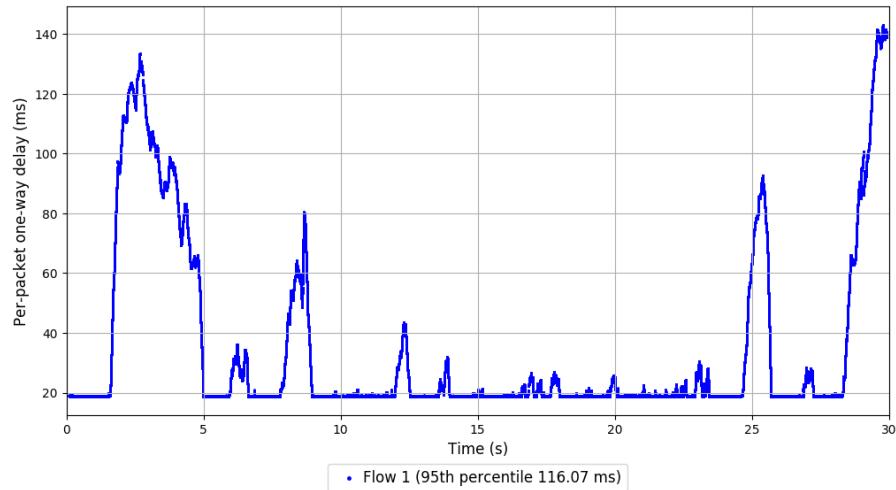
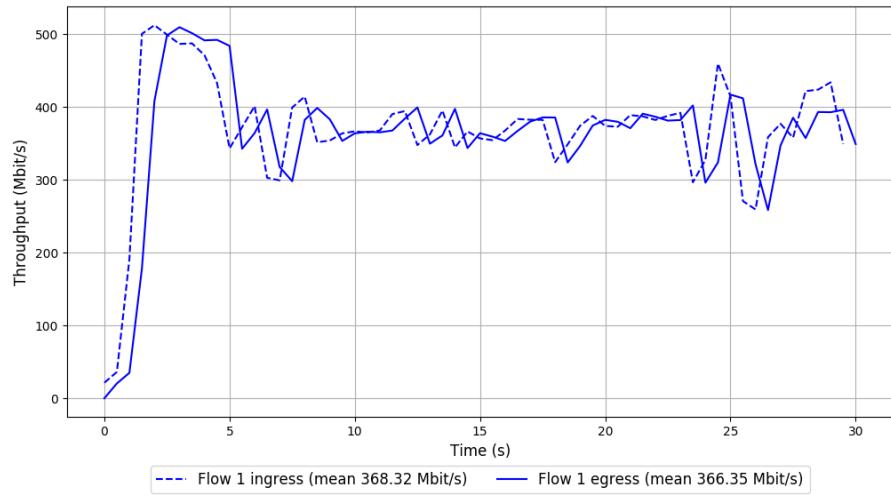


Run 5: Statistics of PCC-Expr

```
Start at: 2018-05-21 23:26:53
End at: 2018-05-21 23:27:23
Local clock offset: -0.743 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2018-05-22 02:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.35 Mbit/s
95th percentile per-packet one-way delay: 116.066 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 366.35 Mbit/s
95th percentile per-packet one-way delay: 116.066 ms
Loss rate: 0.54%
```

Run 5: Report of PCC-Expr — Data Link

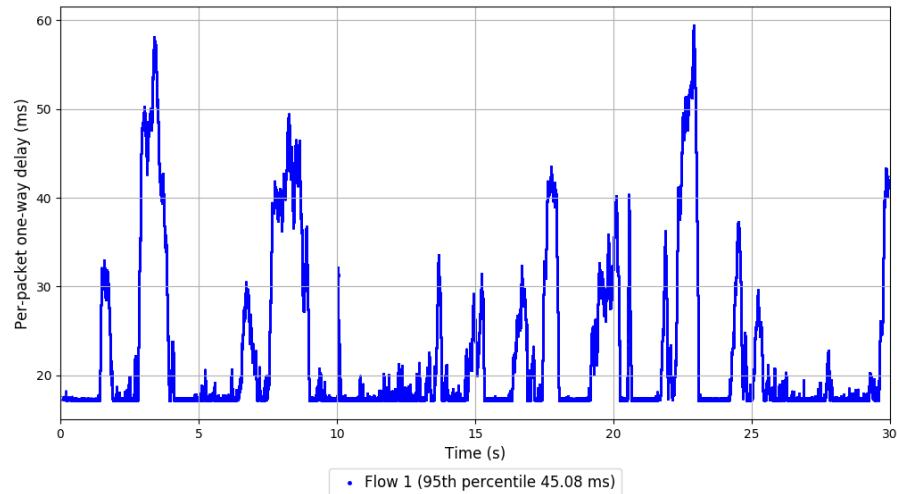
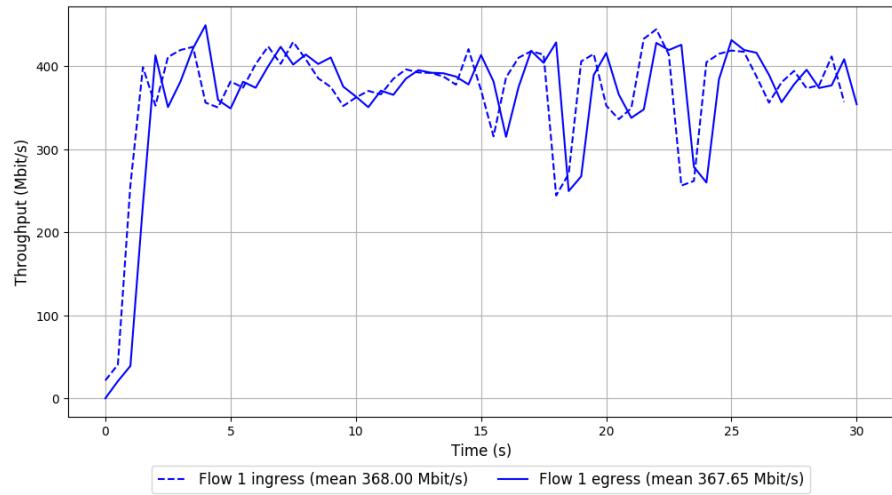


Run 6: Statistics of PCC-Expr

```
Start at: 2018-05-21 23:50:50
End at: 2018-05-21 23:51:20
Local clock offset: -0.292 ms
Remote clock offset: 0.011 ms

# Below is generated by plot.py at 2018-05-22 02:52:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.65 Mbit/s
95th percentile per-packet one-way delay: 45.082 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 367.65 Mbit/s
95th percentile per-packet one-way delay: 45.082 ms
Loss rate: 0.09%
```

Run 6: Report of PCC-Expr — Data Link

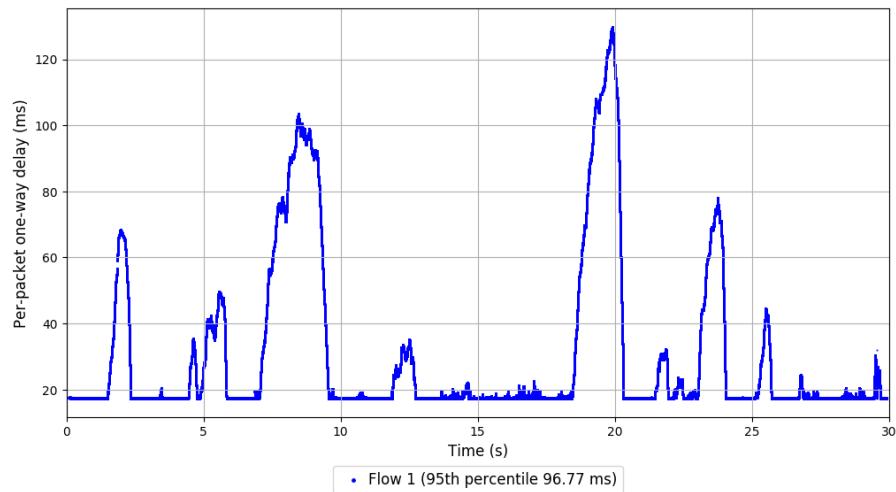
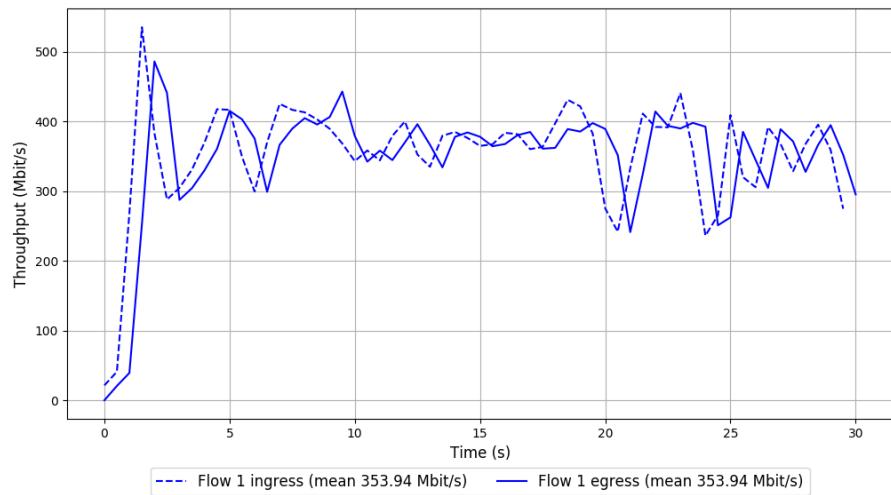


Run 7: Statistics of PCC-Expr

```
Start at: 2018-05-22 00:14:42
End at: 2018-05-22 00:15:12
Local clock offset: 0.169 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-05-22 02:57:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.94 Mbit/s
95th percentile per-packet one-way delay: 96.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 353.94 Mbit/s
95th percentile per-packet one-way delay: 96.774 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Expr — Data Link

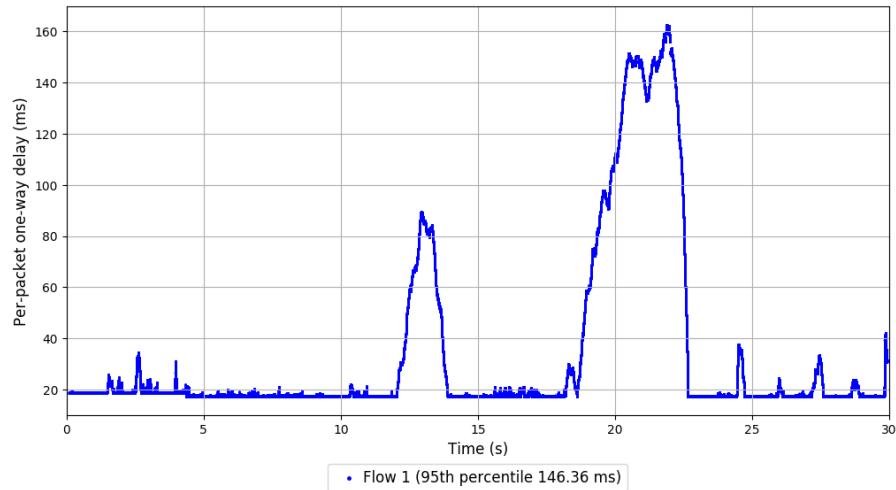
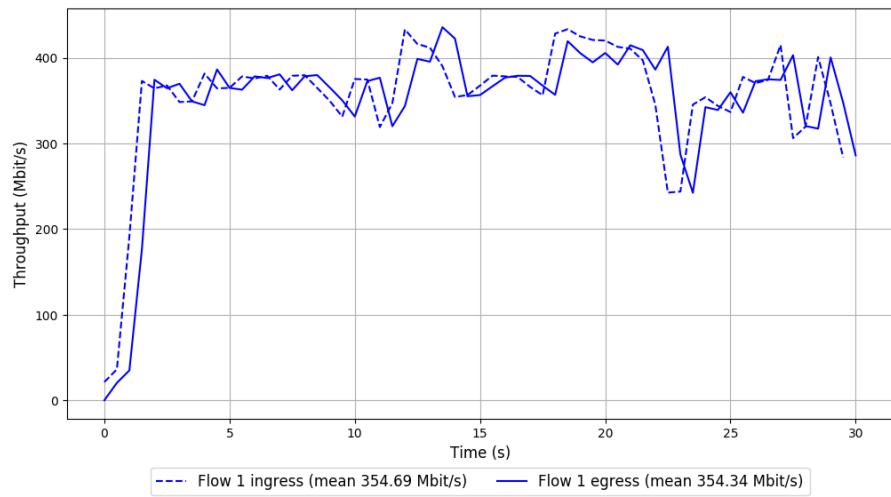


Run 8: Statistics of PCC-Expr

```
Start at: 2018-05-22 00:38:29
End at: 2018-05-22 00:38:59
Local clock offset: 0.218 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-05-22 02:59:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.34 Mbit/s
95th percentile per-packet one-way delay: 146.357 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 354.34 Mbit/s
95th percentile per-packet one-way delay: 146.357 ms
Loss rate: 0.10%
```

Run 8: Report of PCC-Expr — Data Link

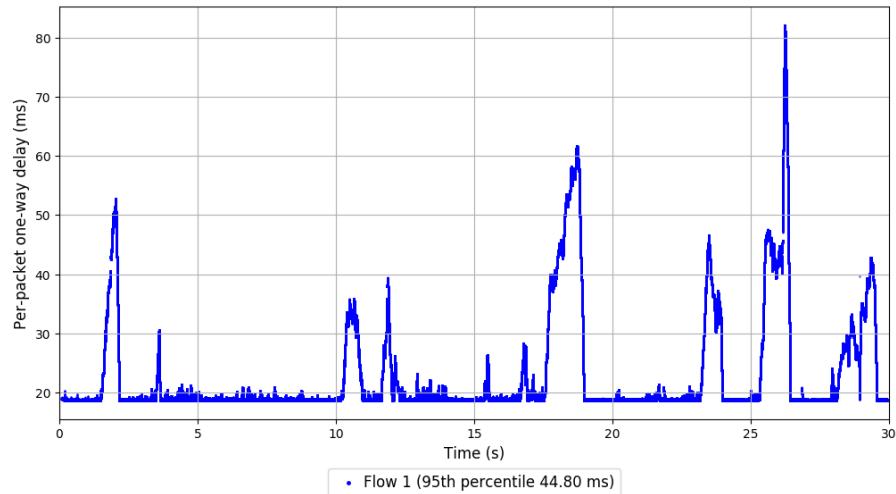
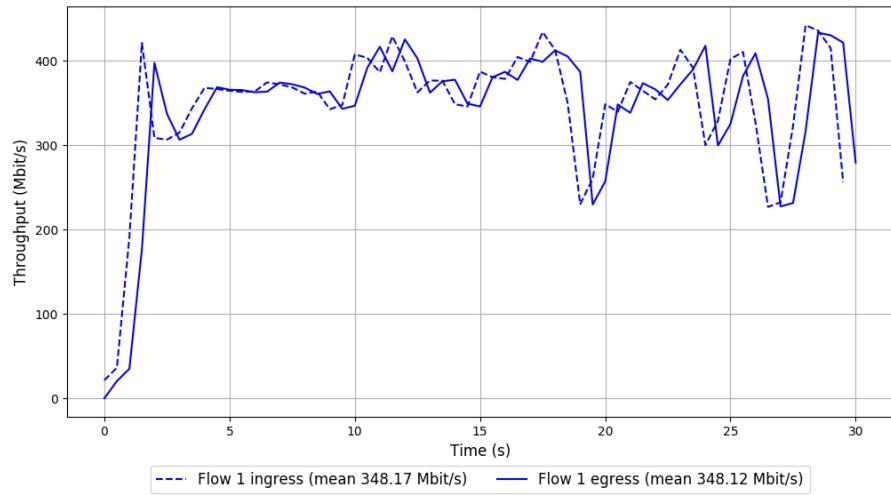


Run 9: Statistics of PCC-Expr

```
Start at: 2018-05-22 01:02:08
End at: 2018-05-22 01:02:38
Local clock offset: 0.137 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-05-22 02:59:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 348.12 Mbit/s
95th percentile per-packet one-way delay: 44.796 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 348.12 Mbit/s
95th percentile per-packet one-way delay: 44.796 ms
Loss rate: 0.02%
```

Run 9: Report of PCC-Expr — Data Link

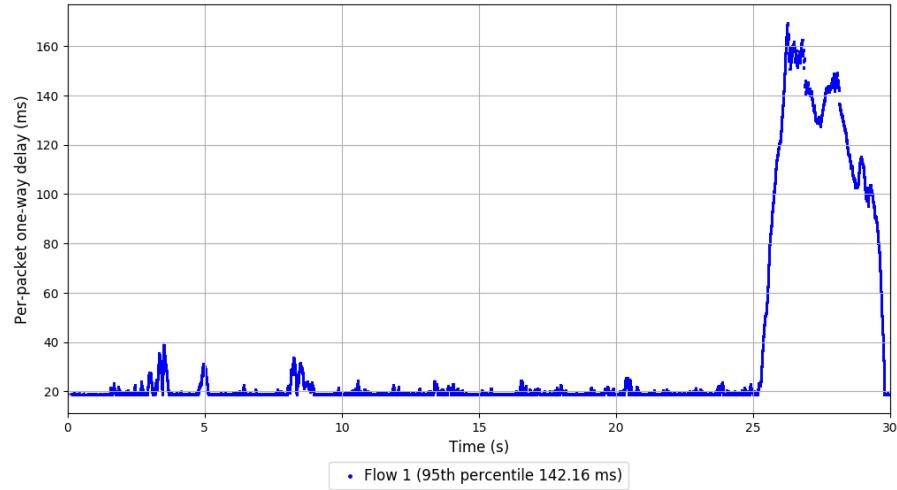
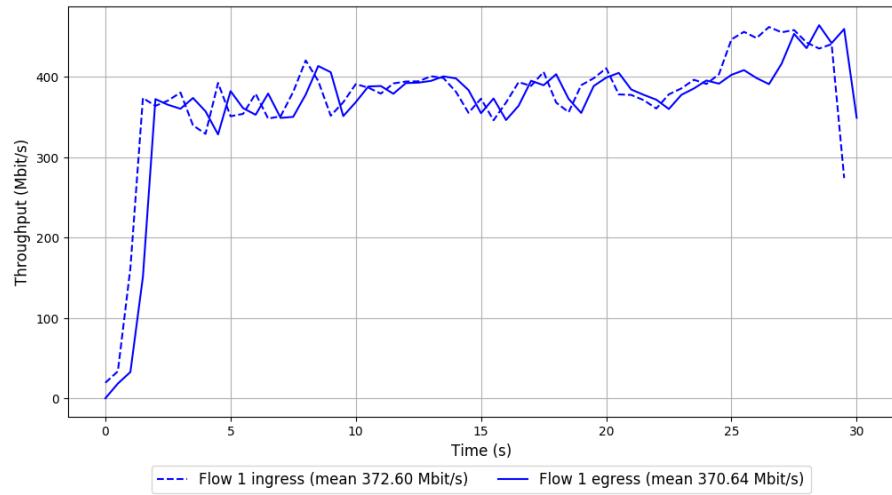


Run 10: Statistics of PCC-Expr

```
Start at: 2018-05-22 01:25:41
End at: 2018-05-22 01:26:11
Local clock offset: -0.014 ms
Remote clock offset: 0.169 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.64 Mbit/s
95th percentile per-packet one-way delay: 142.164 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 370.64 Mbit/s
95th percentile per-packet one-way delay: 142.164 ms
Loss rate: 0.53%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

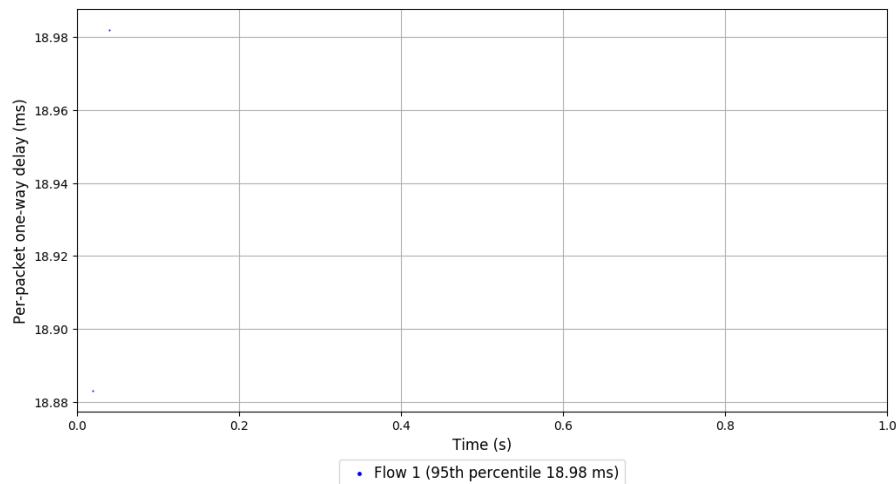
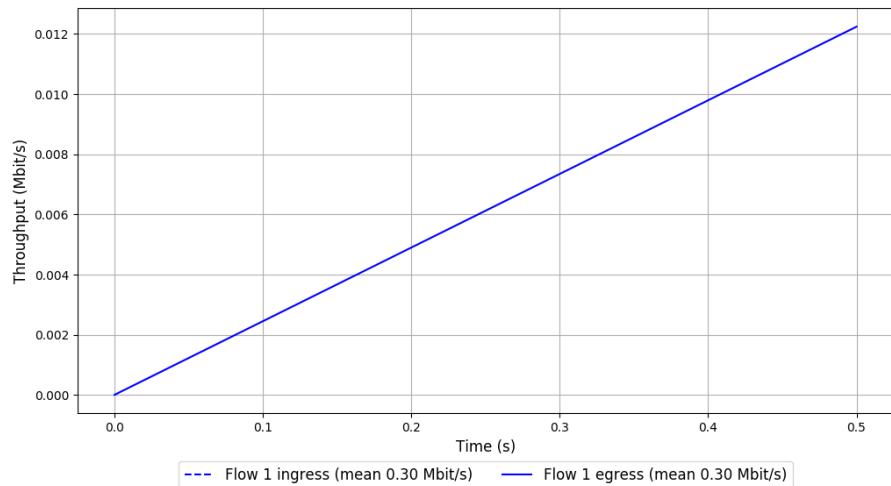
Start at: 2018-05-21 22:00:20

End at: 2018-05-21 22:00:50

Local clock offset: -2.054 ms

Remote clock offset: 2.023 ms

Run 1: Report of QUIC Cubic — Data Link

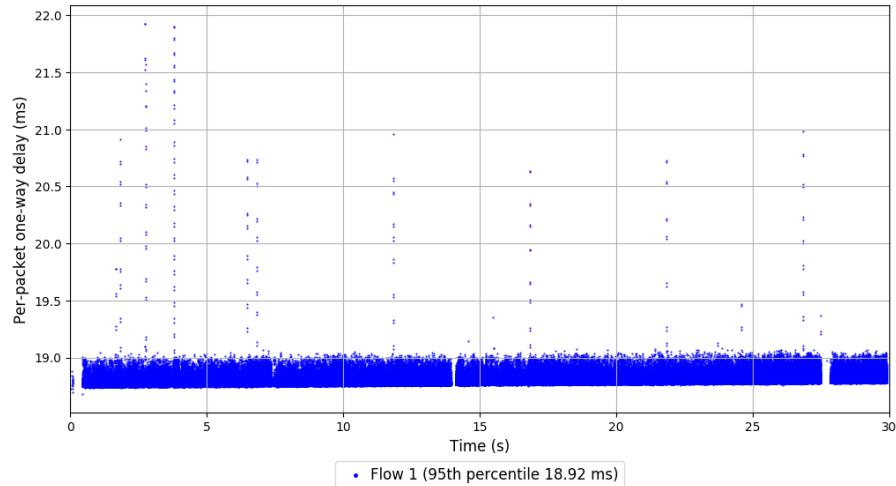
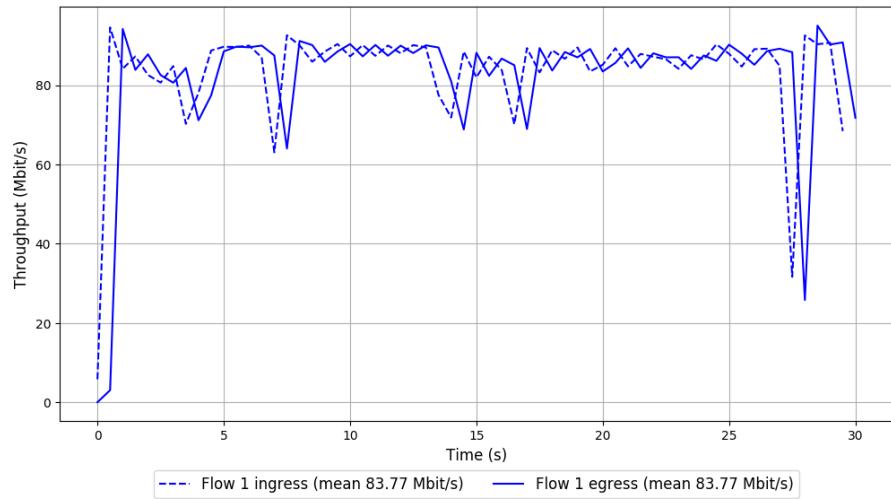


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-05-21 22:24:22
End at: 2018-05-21 22:24:52
Local clock offset: -1.309 ms
Remote clock offset: 1.626 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.77 Mbit/s
95th percentile per-packet one-way delay: 18.919 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.77 Mbit/s
95th percentile per-packet one-way delay: 18.919 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

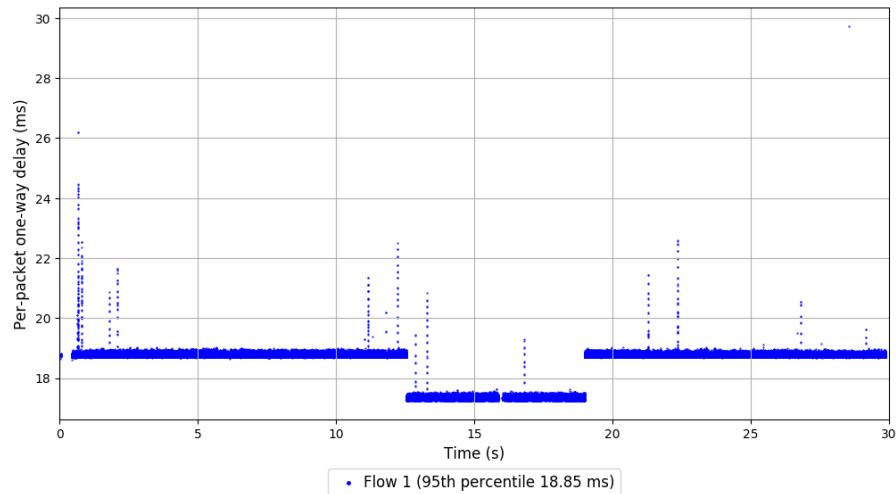
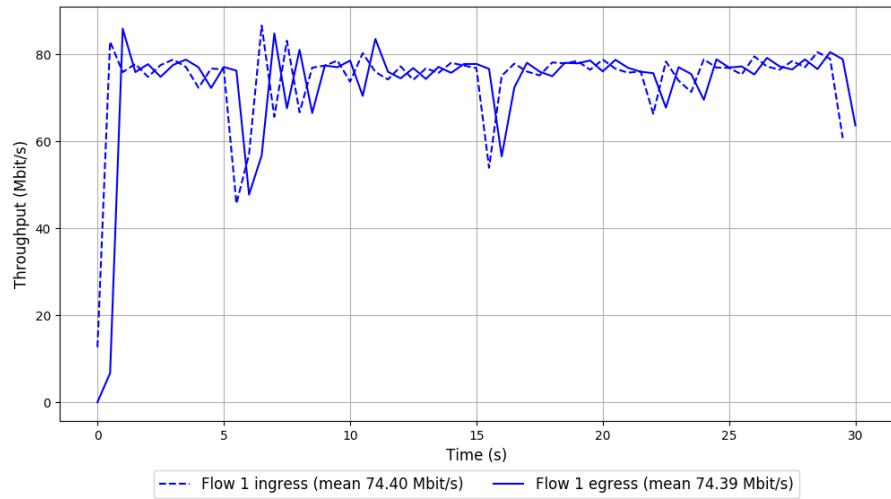


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-05-21 22:48:10
End at: 2018-05-21 22:48:40
Local clock offset: 1.696 ms
Remote clock offset: 1.254 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.39 Mbit/s
95th percentile per-packet one-way delay: 18.854 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.39 Mbit/s
95th percentile per-packet one-way delay: 18.854 ms
Loss rate: 0.01%
```

Run 3: Report of QUIC Cubic — Data Link

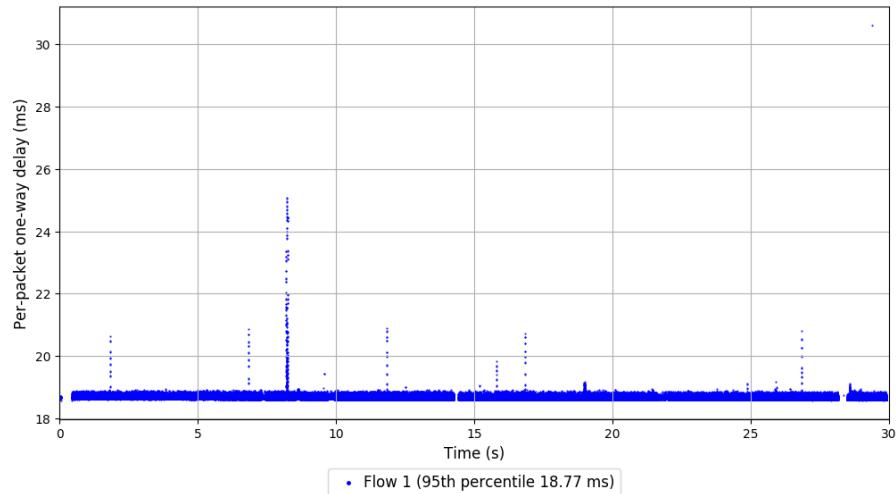
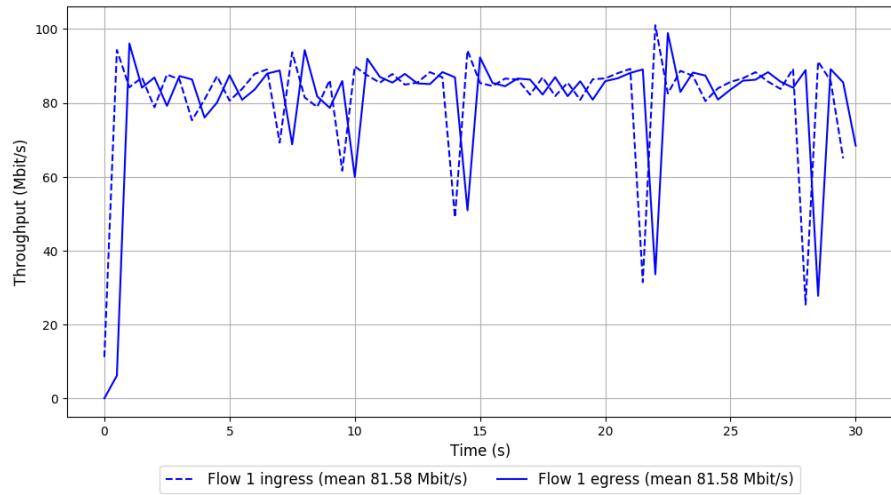


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-05-21 23:12:11
End at: 2018-05-21 23:12:42
Local clock offset: -0.059 ms
Remote clock offset: 0.334 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

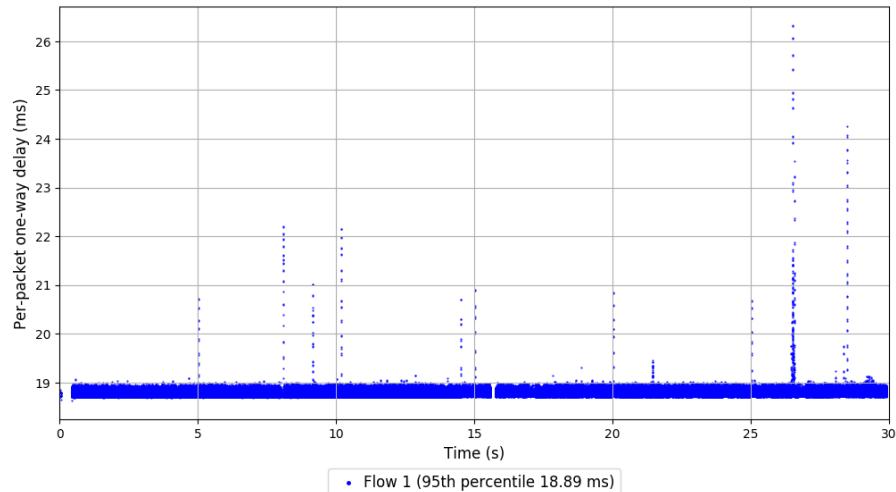
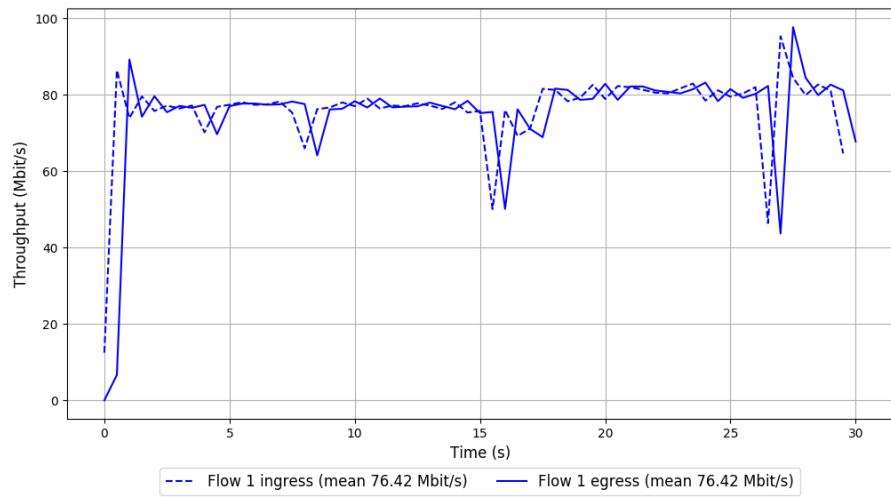


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-05-21 23:36:02
End at: 2018-05-21 23:36:32
Local clock offset: -0.305 ms
Remote clock offset: 0.111 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 18.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 18.894 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

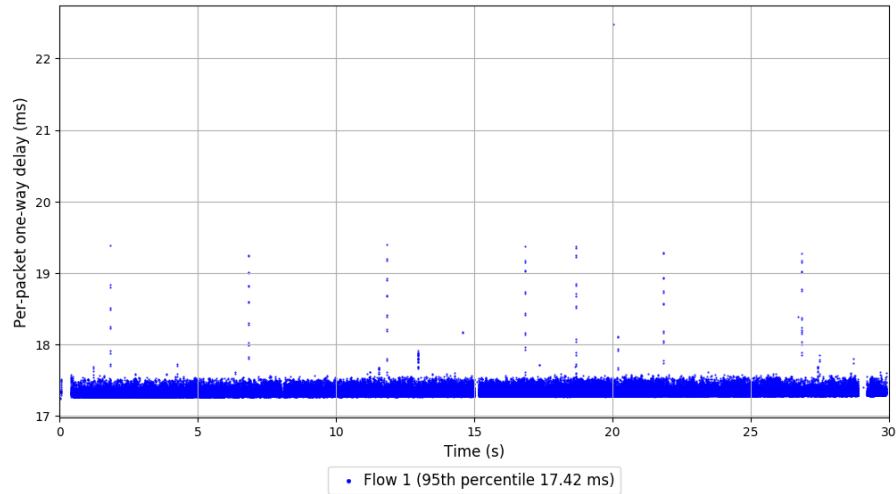
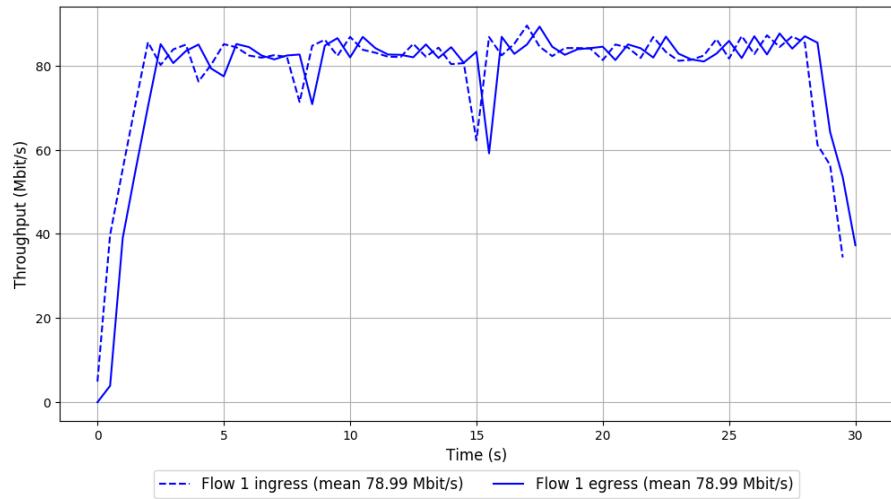


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-05-22 00:00:06
End at: 2018-05-22 00:00:37
Local clock offset: -0.216 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.99 Mbit/s
95th percentile per-packet one-way delay: 17.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.99 Mbit/s
95th percentile per-packet one-way delay: 17.419 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

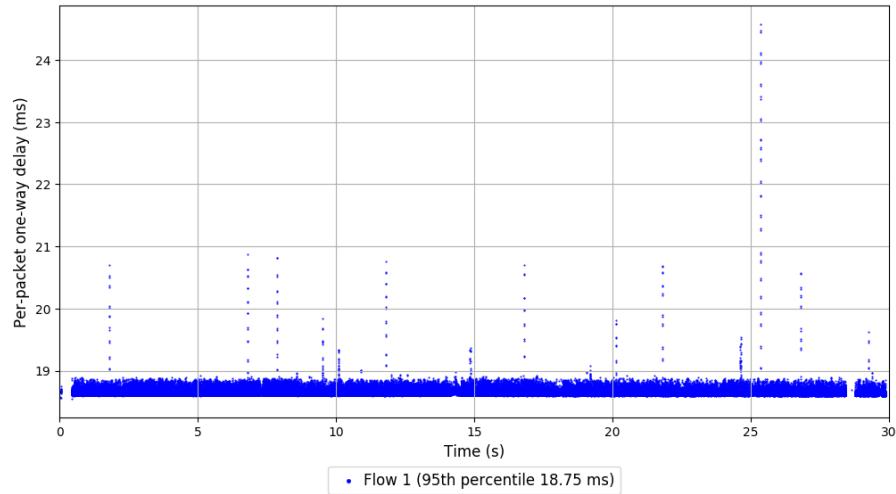
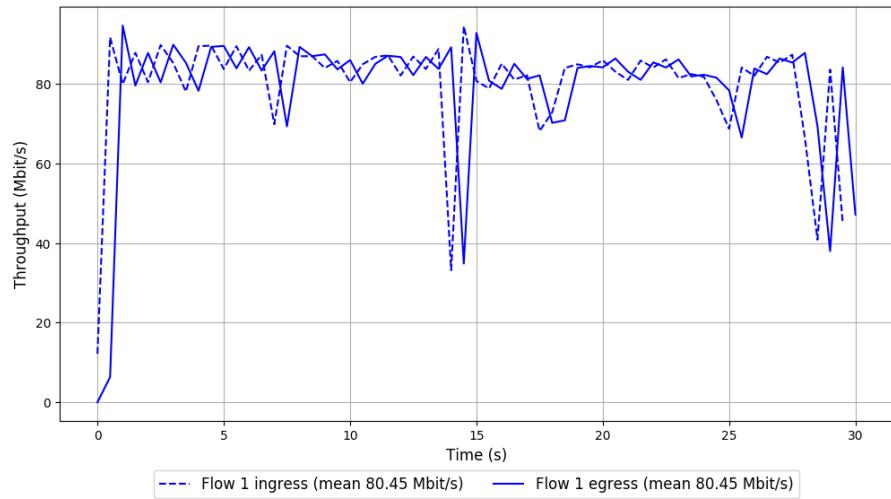


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-05-22 00:23:50
End at: 2018-05-22 00:24:20
Local clock offset: 0.161 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.45 Mbit/s
95th percentile per-packet one-way delay: 18.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.45 Mbit/s
95th percentile per-packet one-way delay: 18.745 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

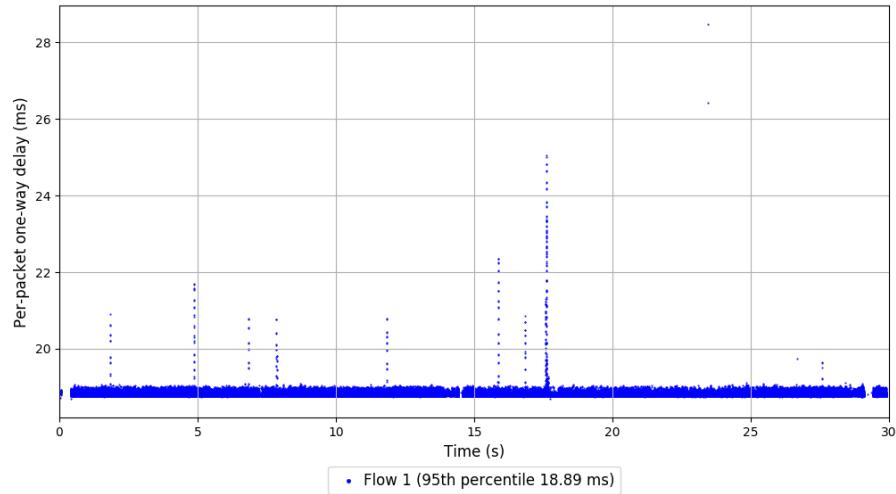
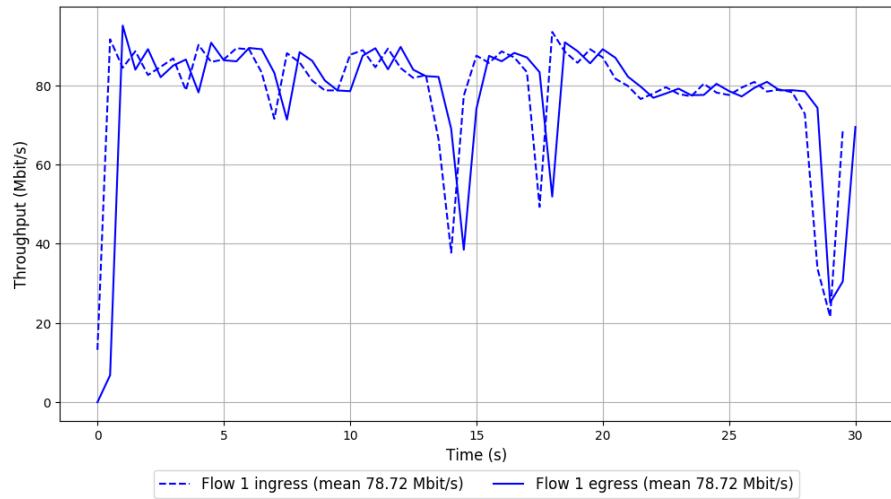


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-05-22 00:47:36
End at: 2018-05-22 00:48:06
Local clock offset: 0.113 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 18.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 18.888 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

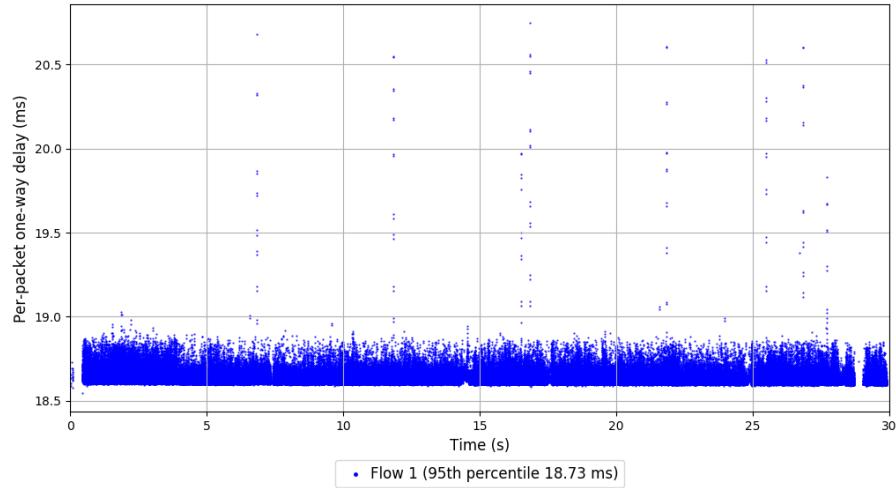
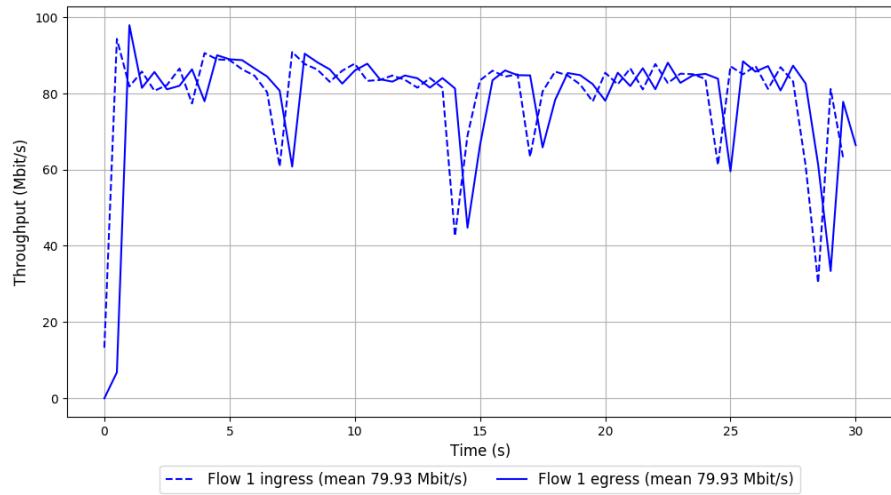


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-05-22 01:11:11
End at: 2018-05-22 01:11:41
Local clock offset: 0.108 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.93 Mbit/s
95th percentile per-packet one-way delay: 18.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.93 Mbit/s
95th percentile per-packet one-way delay: 18.728 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

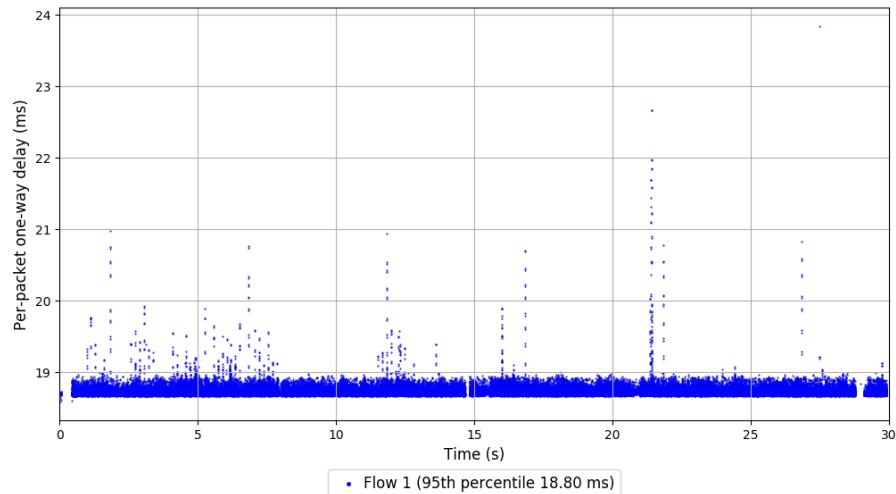
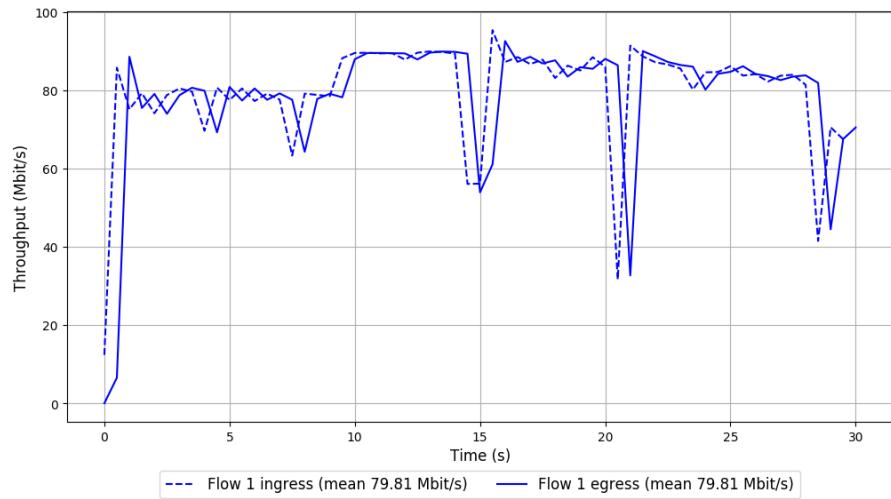


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-05-22 01:34:47
End at: 2018-05-22 01:35:17
Local clock offset: 0.143 ms
Remote clock offset: 0.197 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 18.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.81 Mbit/s
95th percentile per-packet one-way delay: 18.802 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

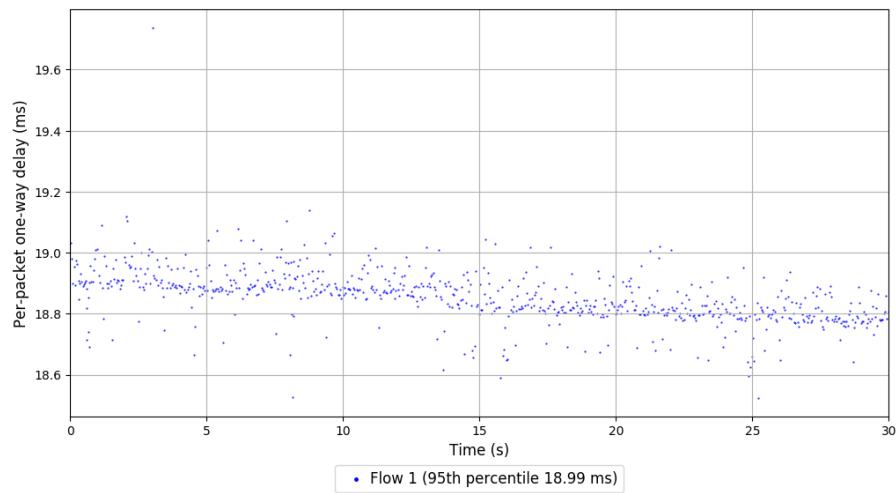
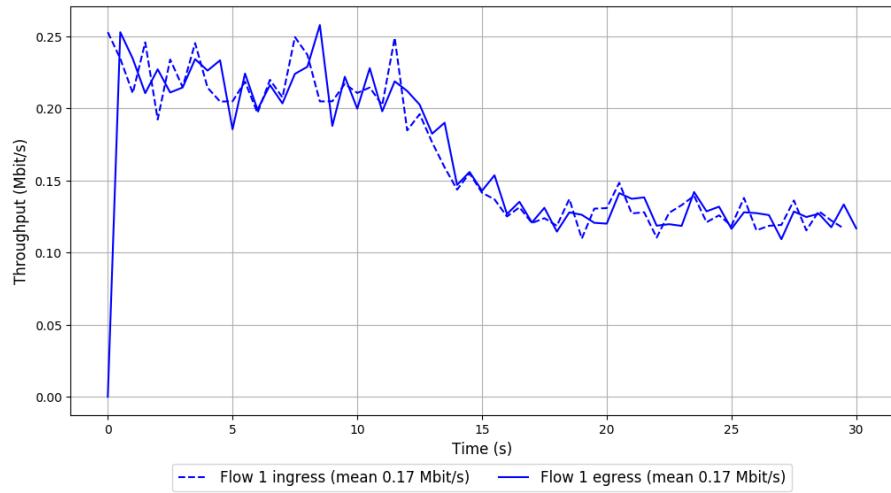


```
Run 1: Statistics of SCReAM

Start at: 2018-05-21 21:41:00
End at: 2018-05-21 21:41:30
Local clock offset: -1.461 ms
Remote clock offset: 4.789 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 18.990 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 18.990 ms
Loss rate: 0.19%
```

Run 1: Report of SCReAM — Data Link

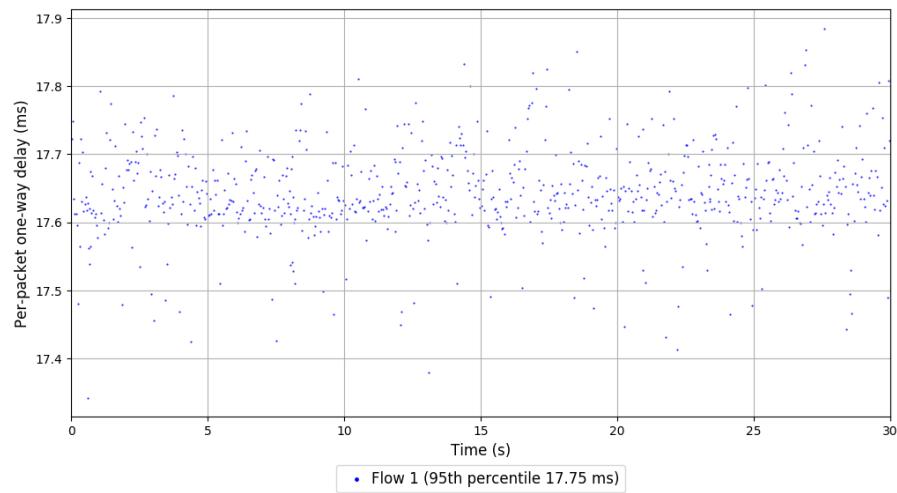
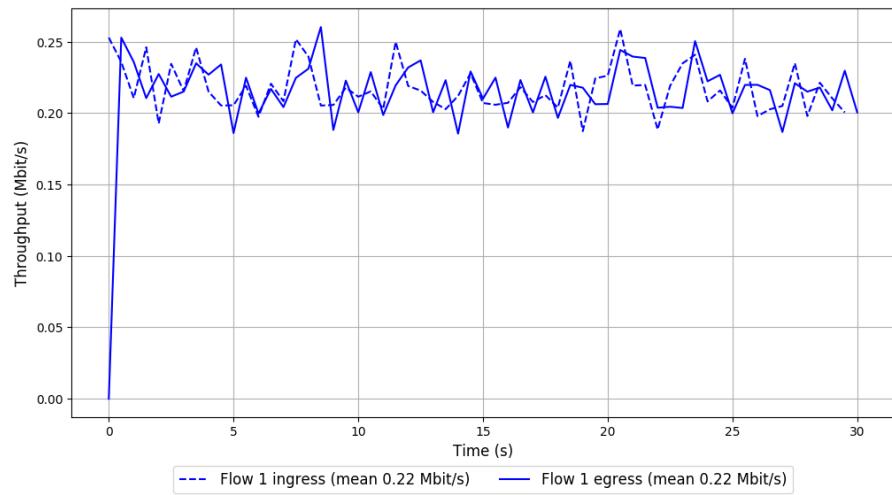


Run 2: Statistics of SCReAM

```
Start at: 2018-05-21 22:04:57
End at: 2018-05-21 22:05:27
Local clock offset: -1.39 ms
Remote clock offset: 2.135 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.752 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.752 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

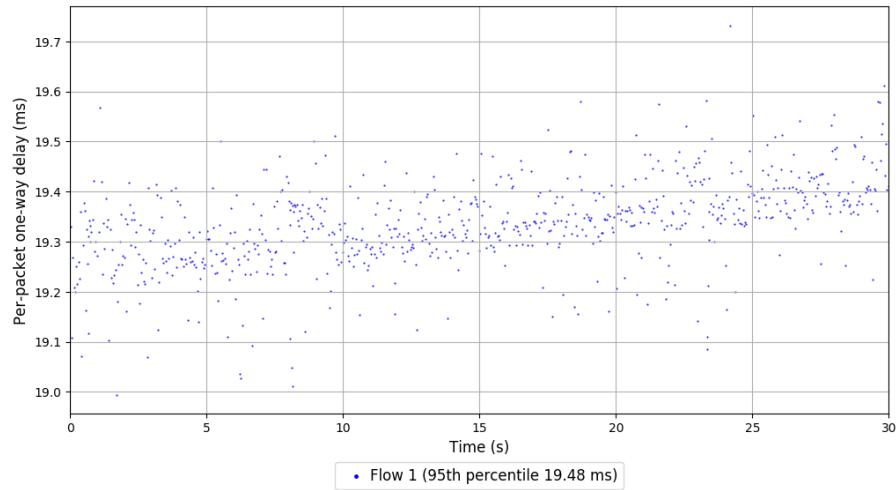
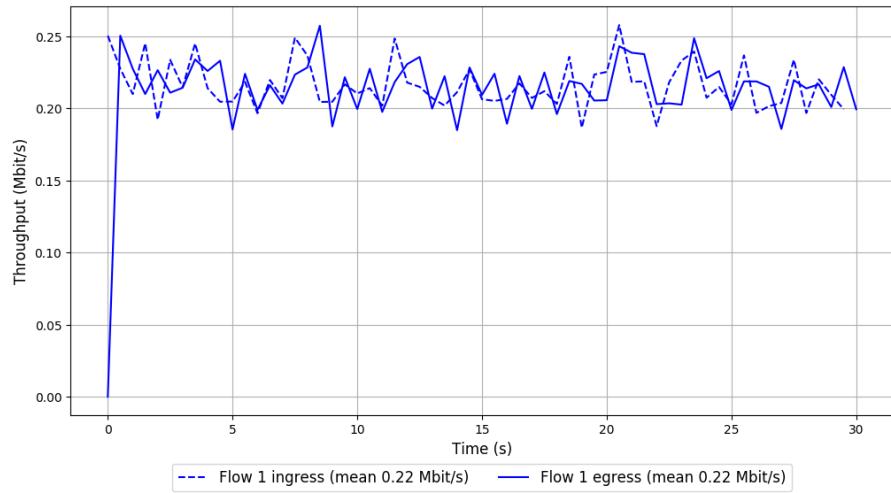


Run 3: Statistics of SCReAM

```
Start at: 2018-05-21 22:28:53
End at: 2018-05-21 22:29:23
Local clock offset: -0.629 ms
Remote clock offset: 1.269 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.475 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

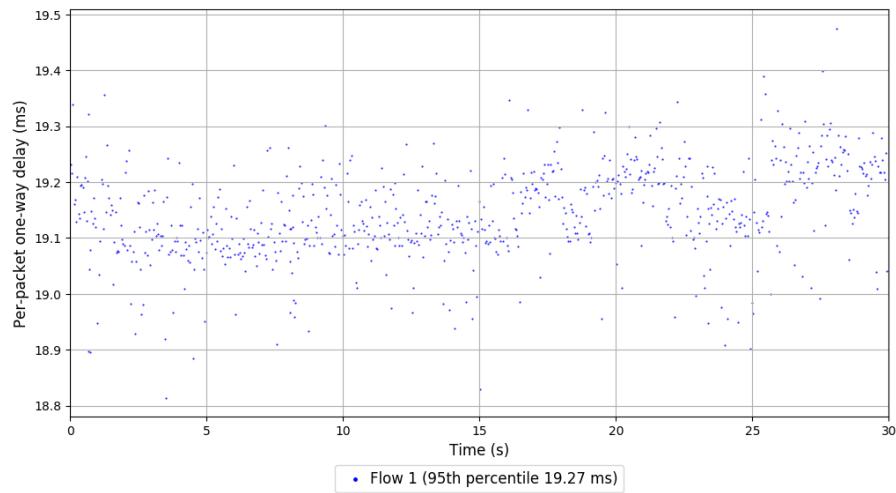
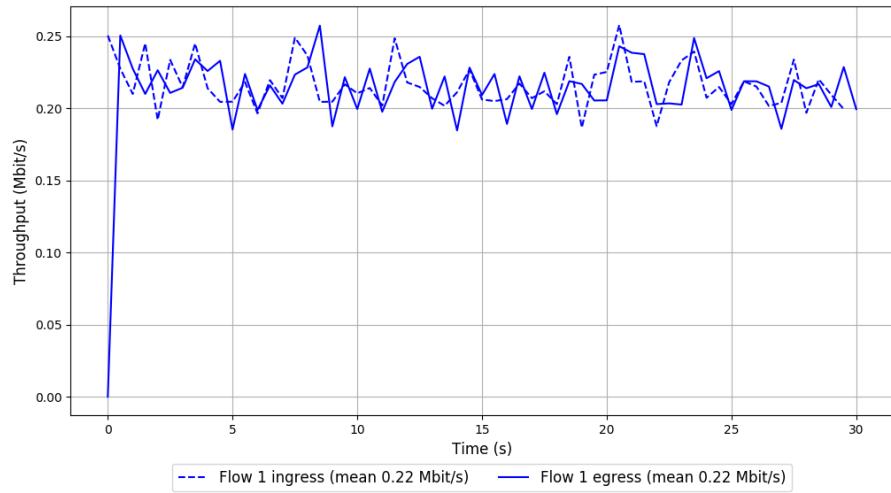


Run 4: Statistics of SCReAM

```
Start at: 2018-05-21 22:52:44
End at: 2018-05-21 22:53:14
Local clock offset: 1.825 ms
Remote clock offset: 1.355 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.272 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

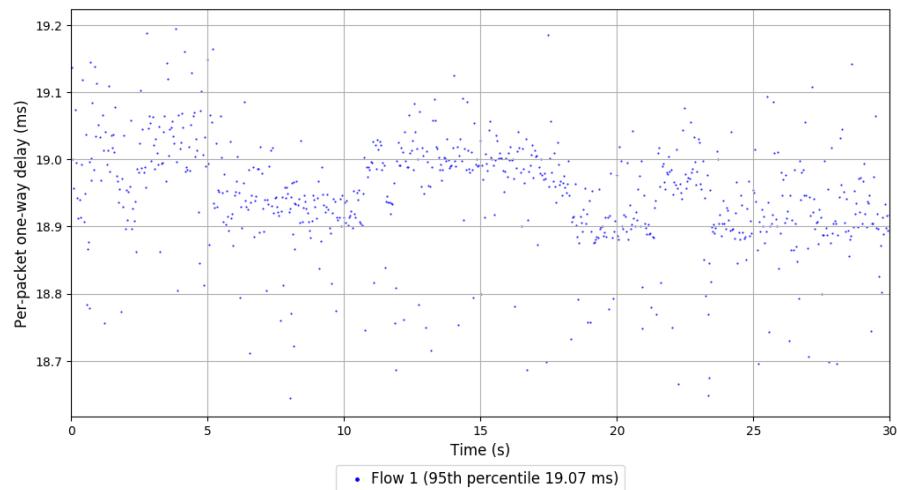
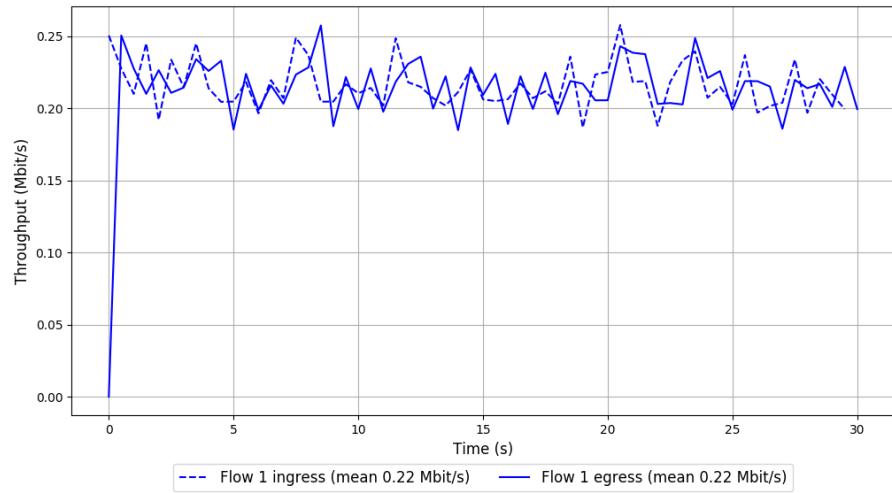


Run 5: Statistics of SCReAM

```
Start at: 2018-05-21 23:16:43
End at: 2018-05-21 23:17:13
Local clock offset: -0.317 ms
Remote clock offset: 0.33 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.066 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

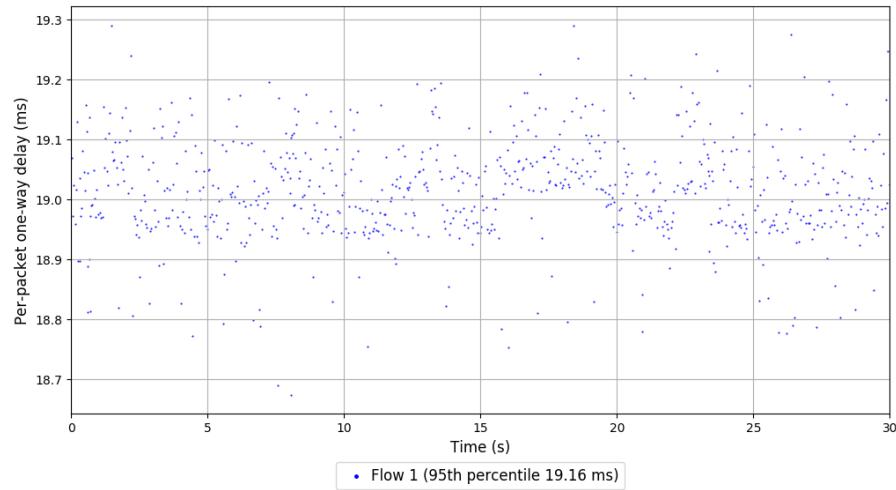
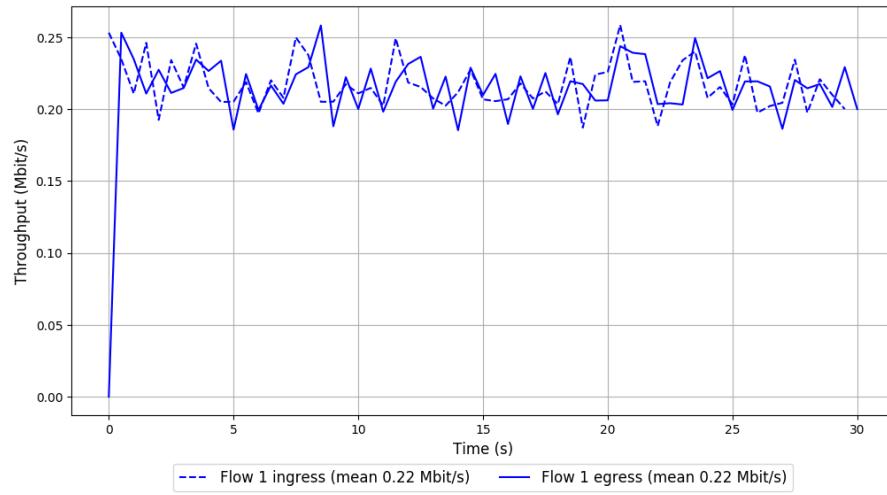


Run 6: Statistics of SCReAM

```
Start at: 2018-05-21 23:40:33
End at: 2018-05-21 23:41:03
Local clock offset: -0.241 ms
Remote clock offset: 0.118 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

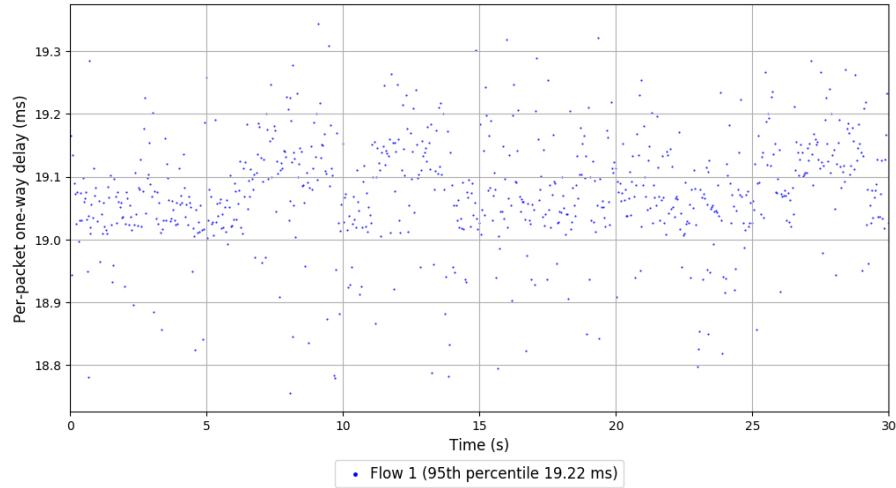
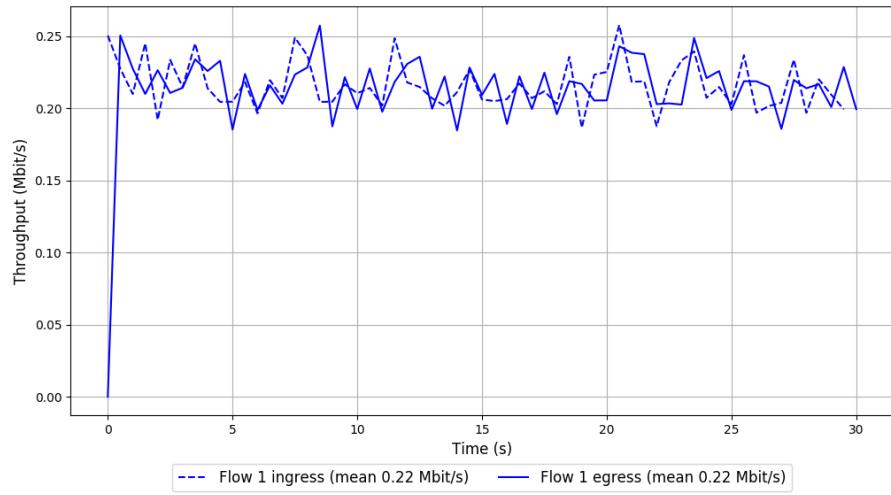


Run 7: Statistics of SCReAM

```
Start at: 2018-05-22 00:04:36
End at: 2018-05-22 00:05:06
Local clock offset: -0.048 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.217 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

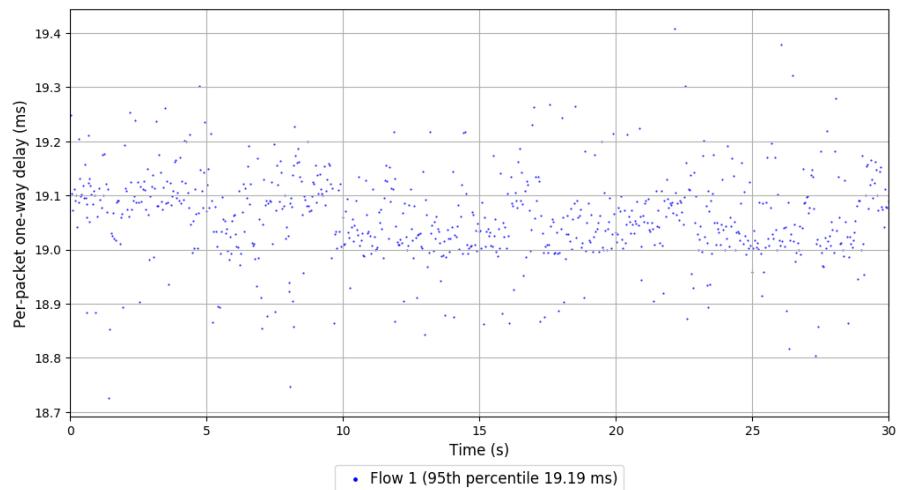
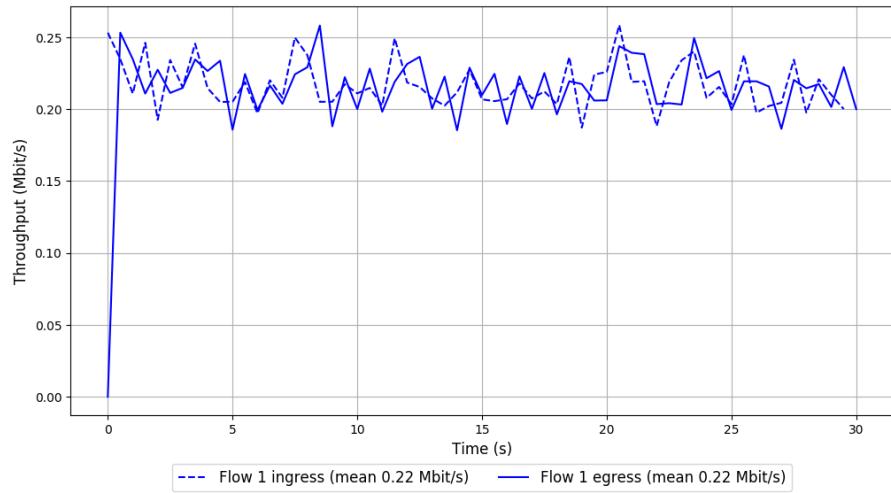


Run 8: Statistics of SCReAM

```
Start at: 2018-05-22 00:28:21
End at: 2018-05-22 00:28:51
Local clock offset: 0.057 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

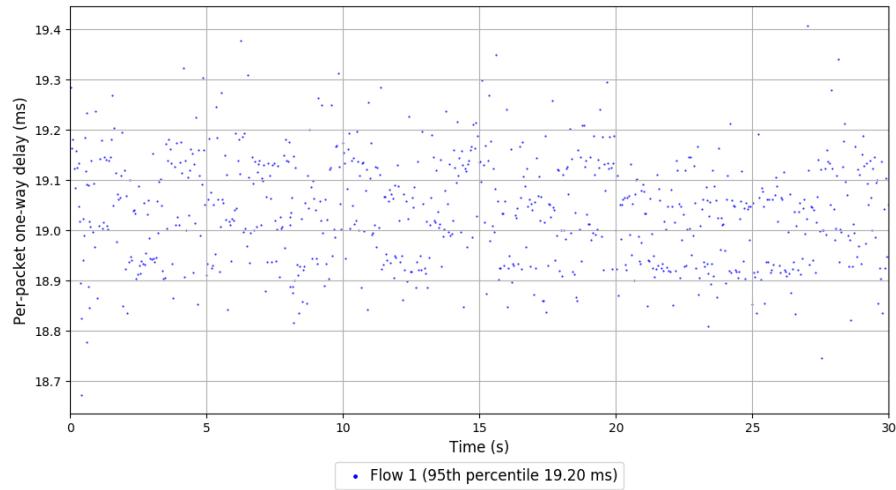
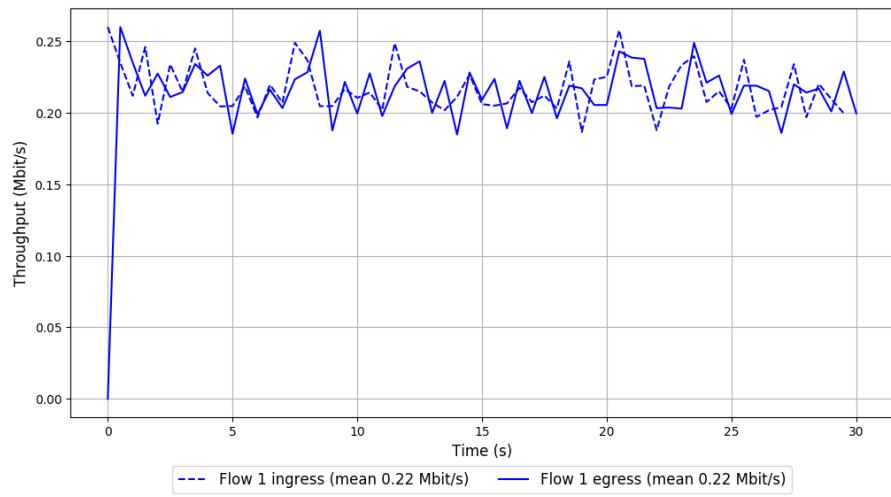


Run 9: Statistics of SCReAM

```
Start at: 2018-05-22 00:52:04
End at: 2018-05-22 00:52:34
Local clock offset: 0.08 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

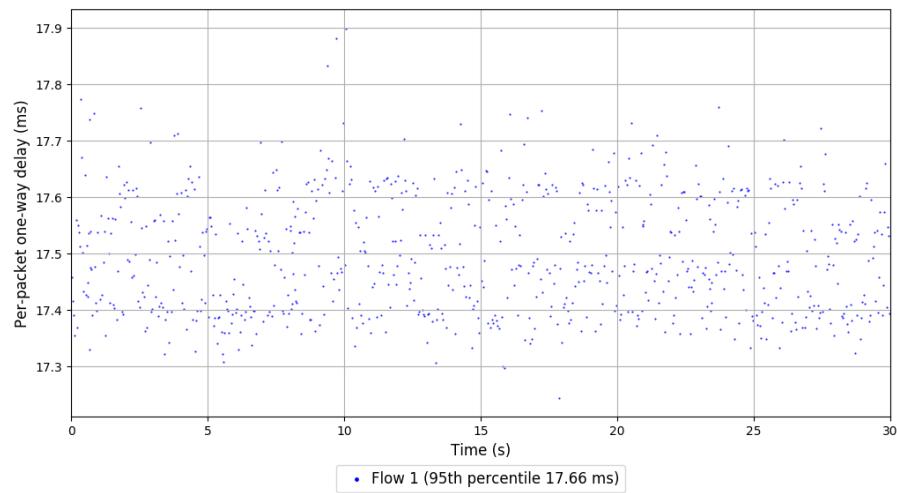
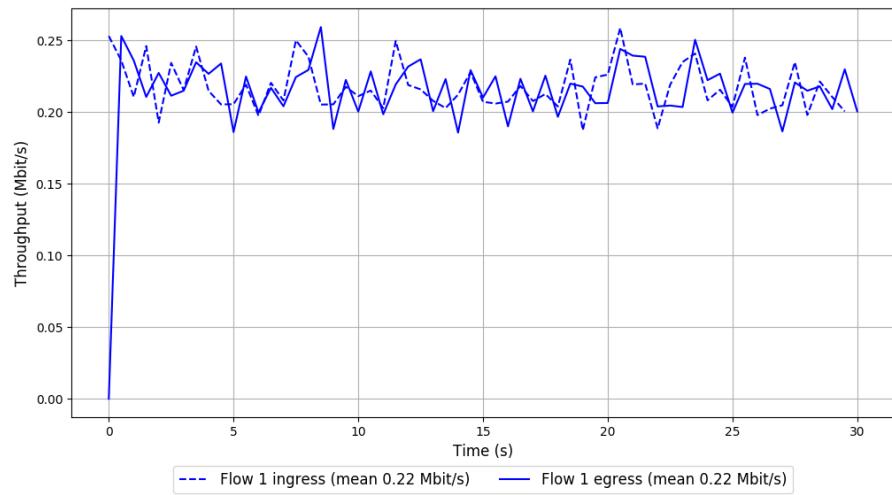


Run 10: Statistics of SCReAM

```
Start at: 2018-05-22 01:15:42
End at: 2018-05-22 01:16:12
Local clock offset: 0.068 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.662 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

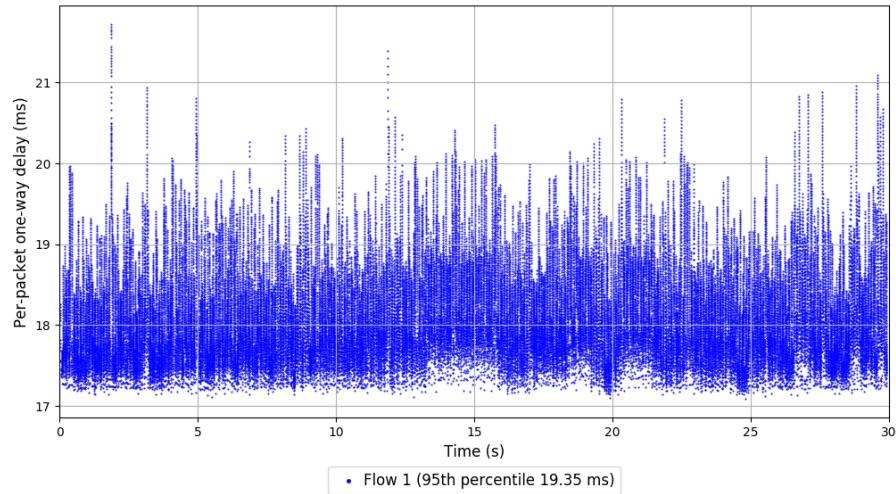
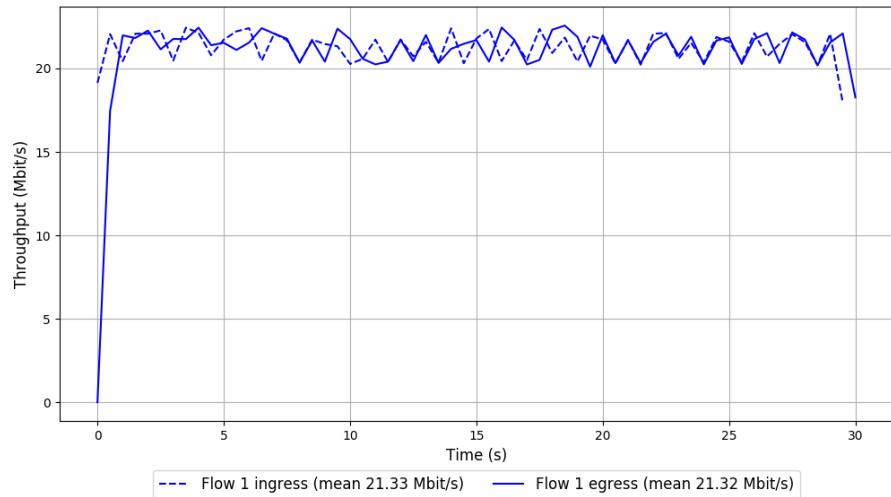


Run 1: Statistics of Sprout

```
Start at: 2018-05-21 21:52:51
End at: 2018-05-21 21:53:21
Local clock offset: -2.454 ms
Remote clock offset: 2.425 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 19.352 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 19.352 ms
Loss rate: 0.01%
```

Run 1: Report of Sprout — Data Link

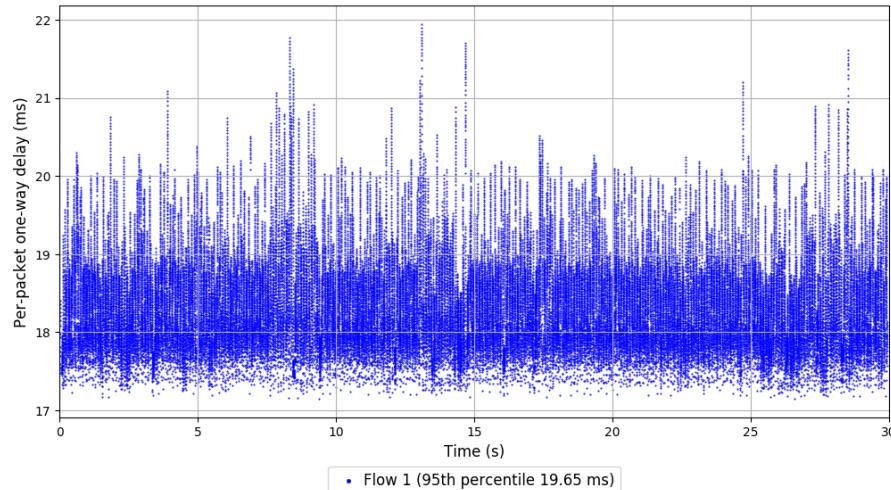
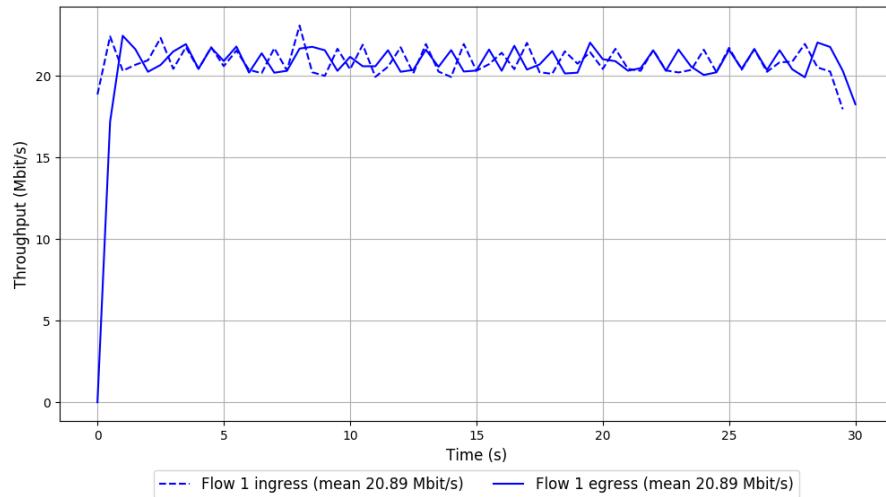


Run 2: Statistics of Sprout

```
Start at: 2018-05-21 22:16:51
End at: 2018-05-21 22:17:21
Local clock offset: -0.989 ms
Remote clock offset: 2.85 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 19.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 19.650 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

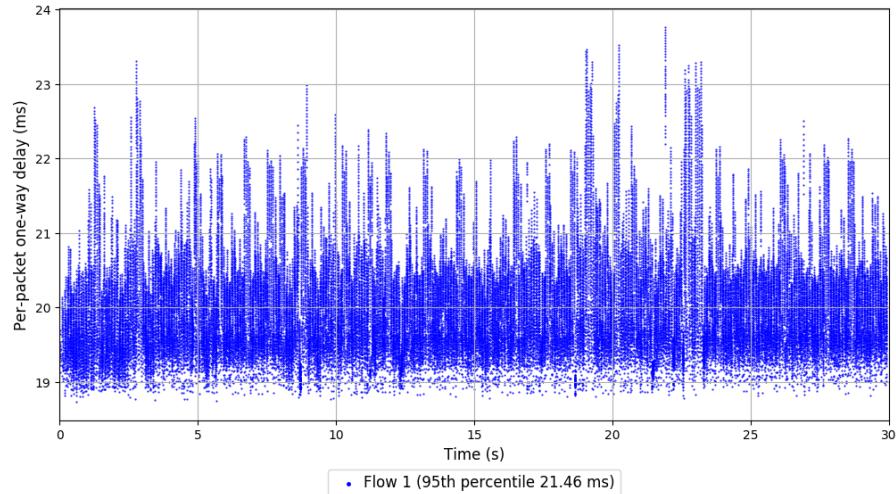
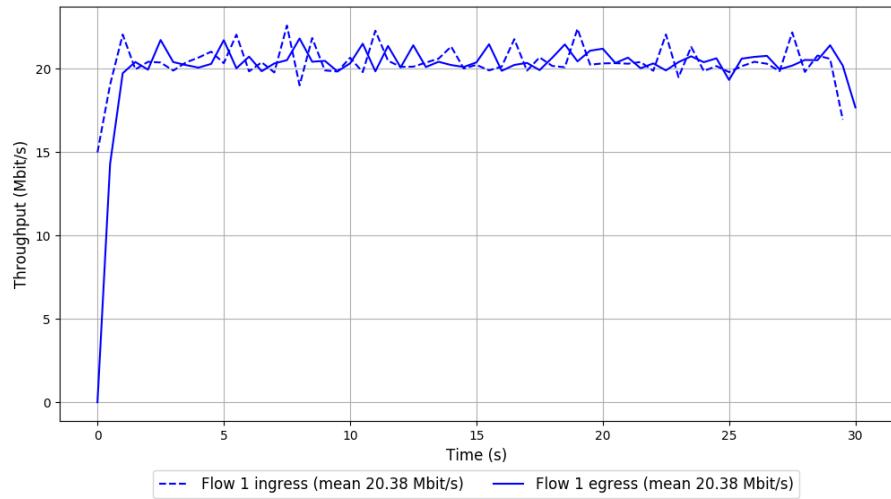


Run 3: Statistics of Sprout

```
Start at: 2018-05-21 22:40:41
End at: 2018-05-21 22:41:11
Local clock offset: 1.32 ms
Remote clock offset: 1.09 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 21.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 21.459 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

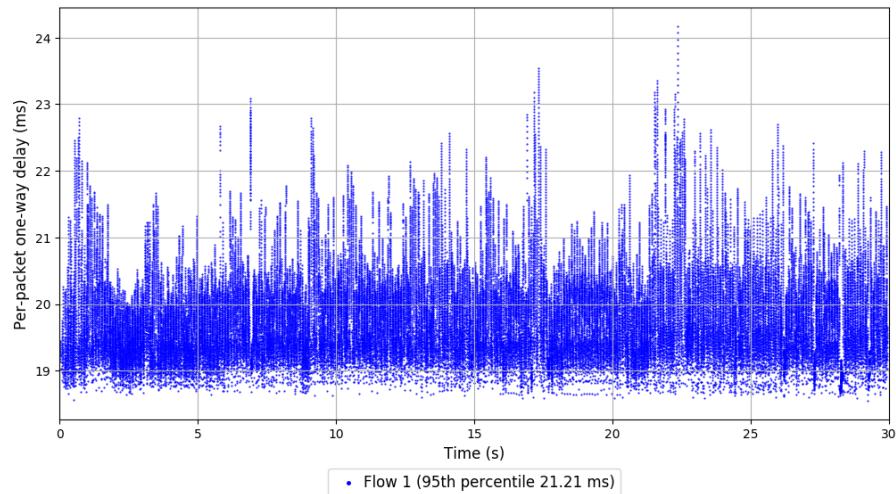
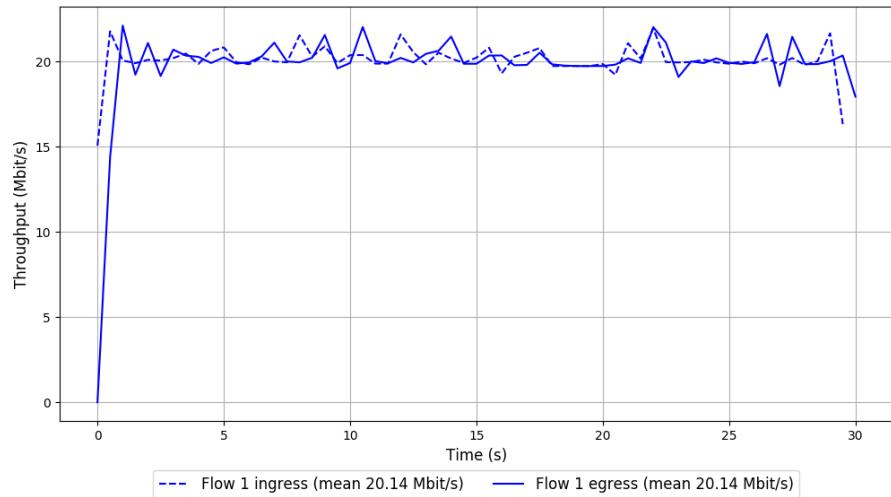


Run 4: Statistics of Sprout

```
Start at: 2018-05-21 23:04:30
End at: 2018-05-21 23:05:00
Local clock offset: 0.619 ms
Remote clock offset: 0.5 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 21.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 21.209 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

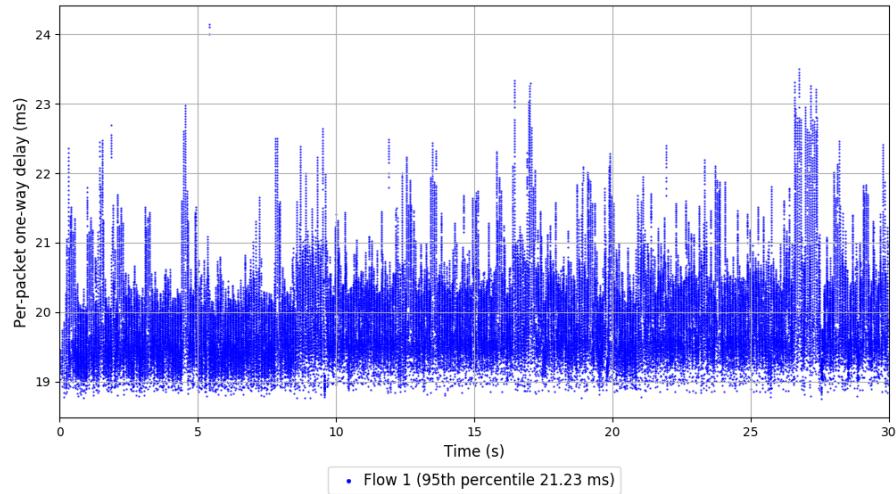
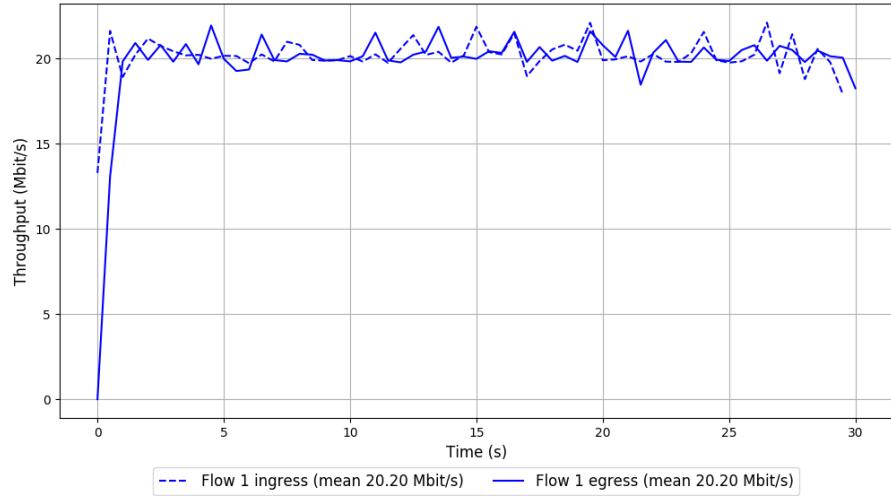


Run 5: Statistics of Sprout

```
Start at: 2018-05-21 23:28:32
End at: 2018-05-21 23:29:02
Local clock offset: -0.682 ms
Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 21.235 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 21.235 ms
Loss rate: 0.01%
```

Run 5: Report of Sprout — Data Link

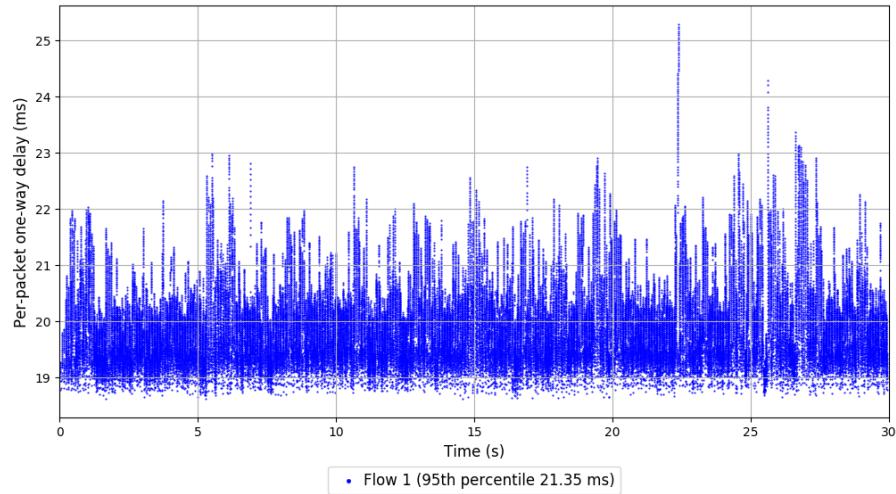
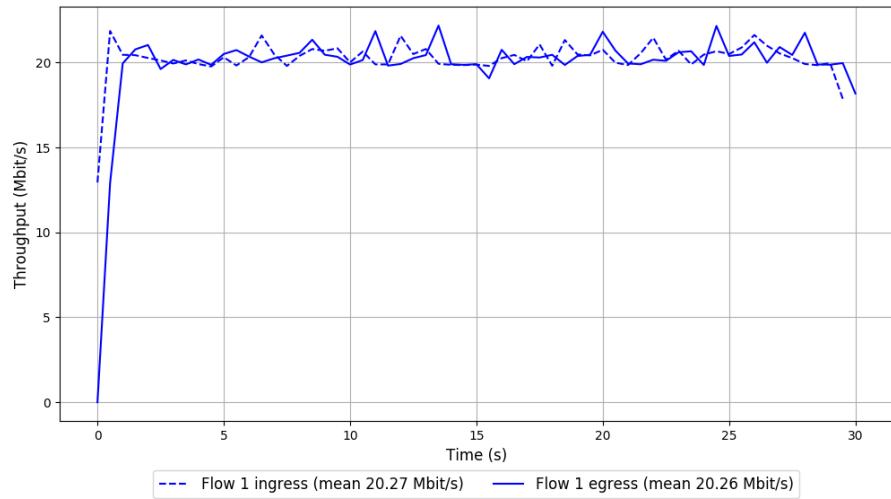


Run 6: Statistics of Sprout

```
Start at: 2018-05-21 23:52:29
End at: 2018-05-21 23:52:59
Local clock offset: -0.333 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 21.347 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 21.347 ms
Loss rate: 0.03%
```

Run 6: Report of Sprout — Data Link

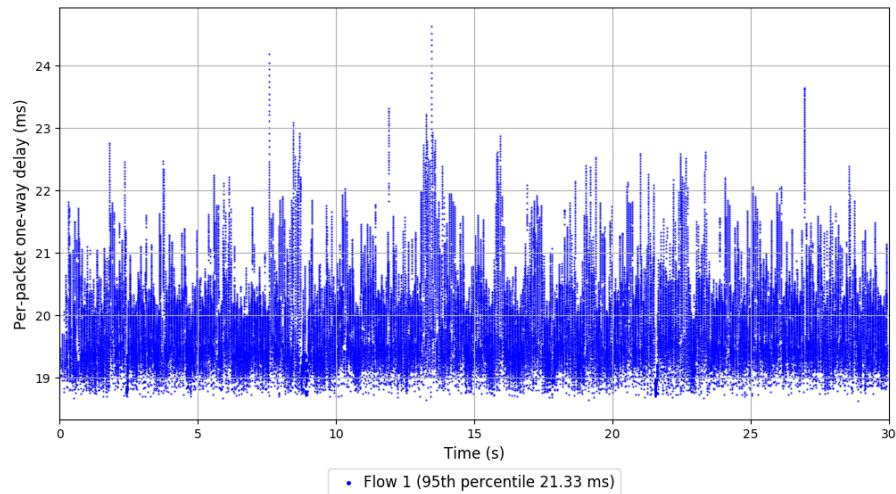
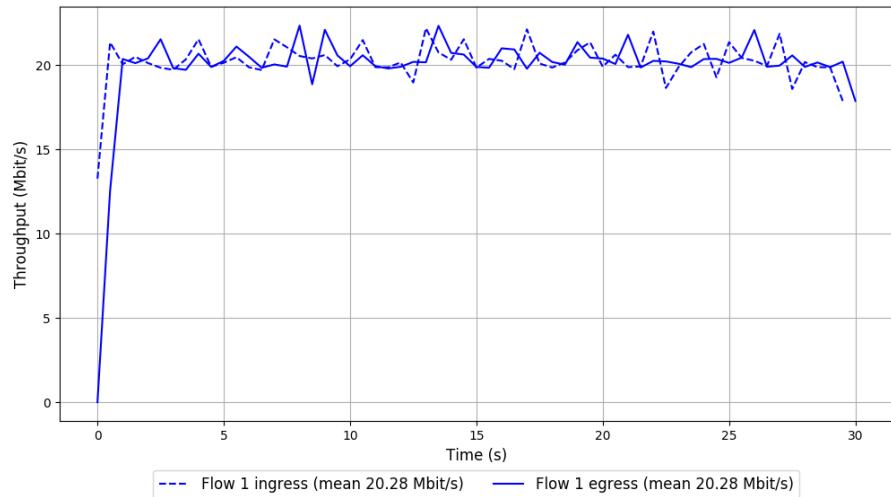


Run 7: Statistics of Sprout

```
Start at: 2018-05-22 00:16:21
End at: 2018-05-22 00:16:51
Local clock offset: 0.184 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 21.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 21.326 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

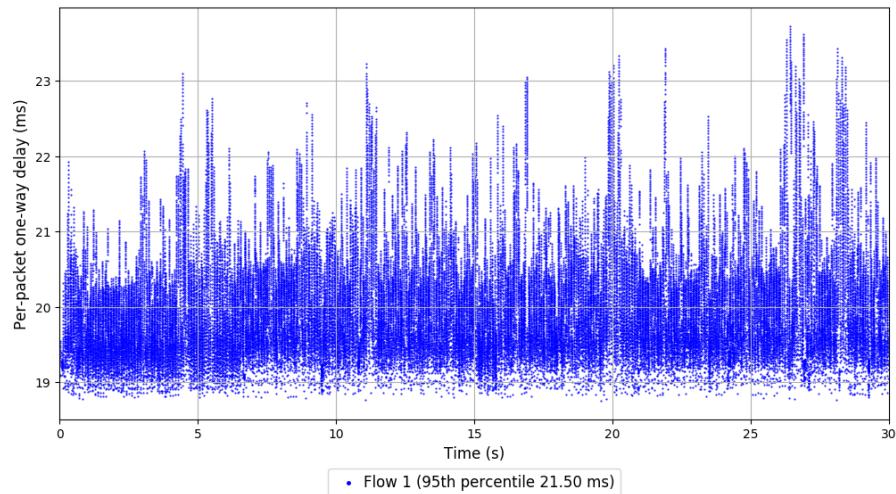
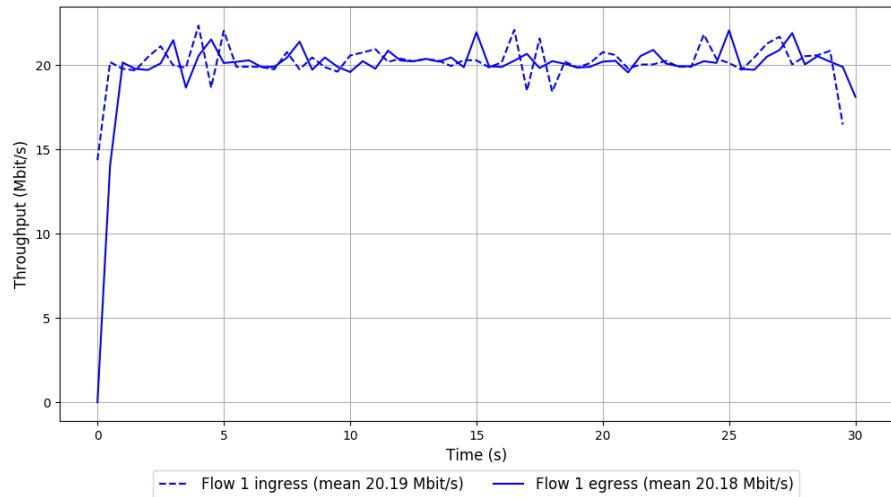


Run 8: Statistics of Sprout

```
Start at: 2018-05-22 00:40:07
End at: 2018-05-22 00:40:37
Local clock offset: 0.13 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 21.503 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 21.503 ms
Loss rate: 0.04%
```

Run 8: Report of Sprout — Data Link

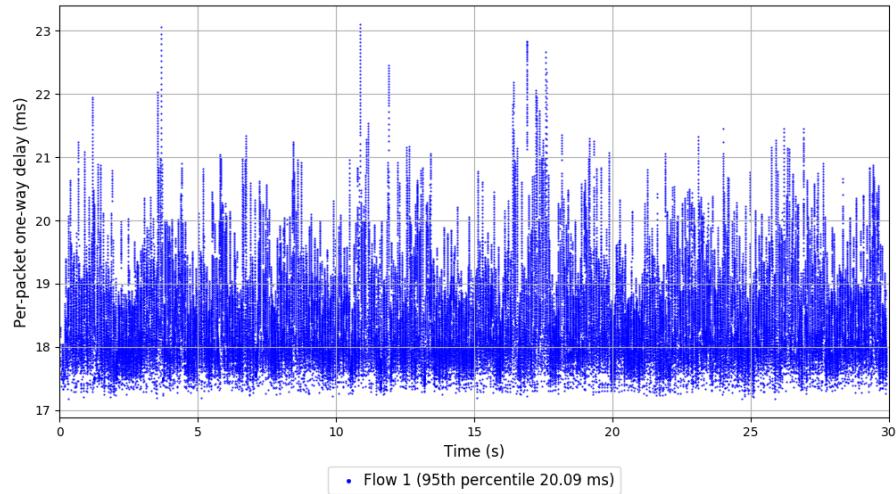
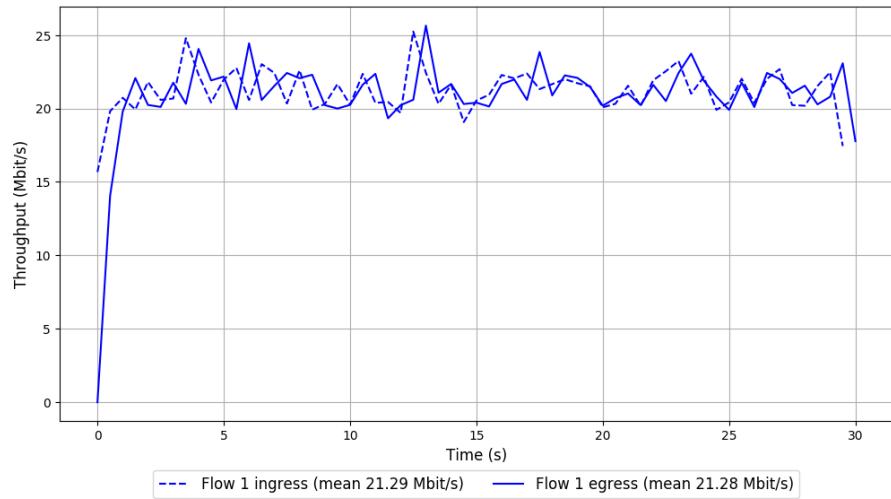


Run 9: Statistics of Sprout

```
Start at: 2018-05-22 01:03:46
End at: 2018-05-22 01:04:16
Local clock offset: 0.138 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.28 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 21.28 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.05%
```

Run 9: Report of Sprout — Data Link

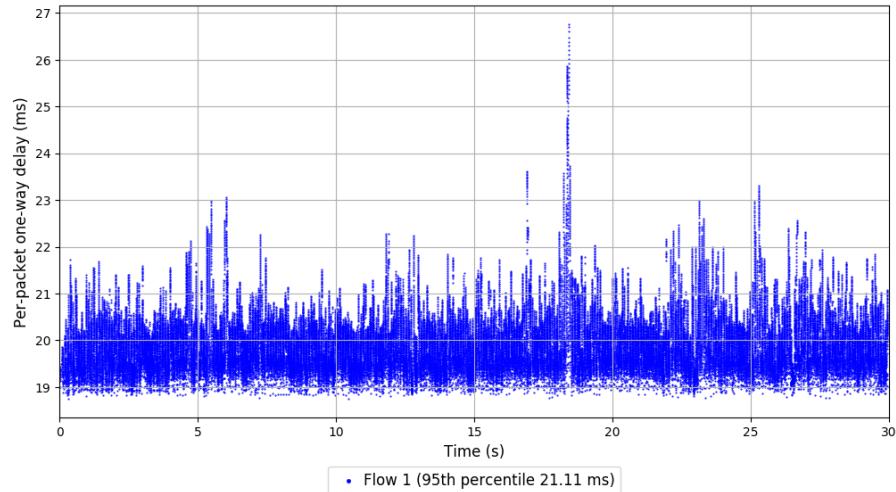
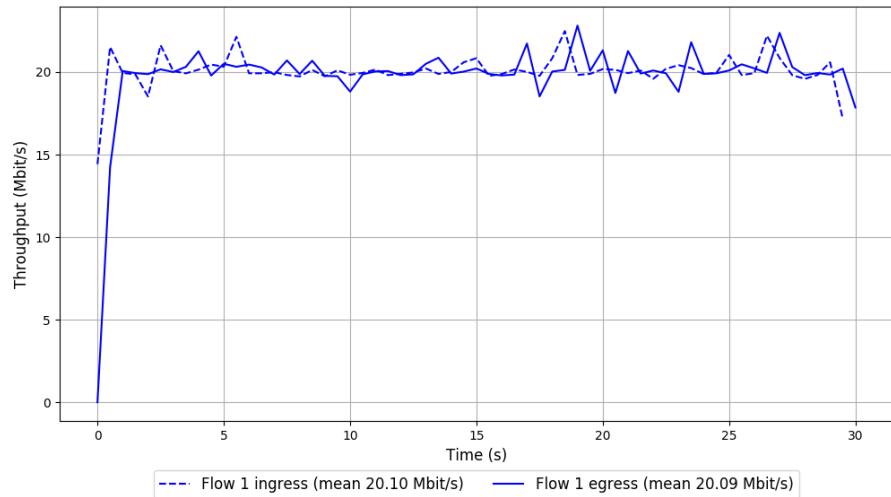


Run 10: Statistics of Sprout

```
Start at: 2018-05-22 01:27:20
End at: 2018-05-22 01:27:50
Local clock offset: -0.093 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2018-05-22 03:00:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 21.114 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 21.114 ms
Loss rate: 0.01%
```

Run 10: Report of Sprout — Data Link

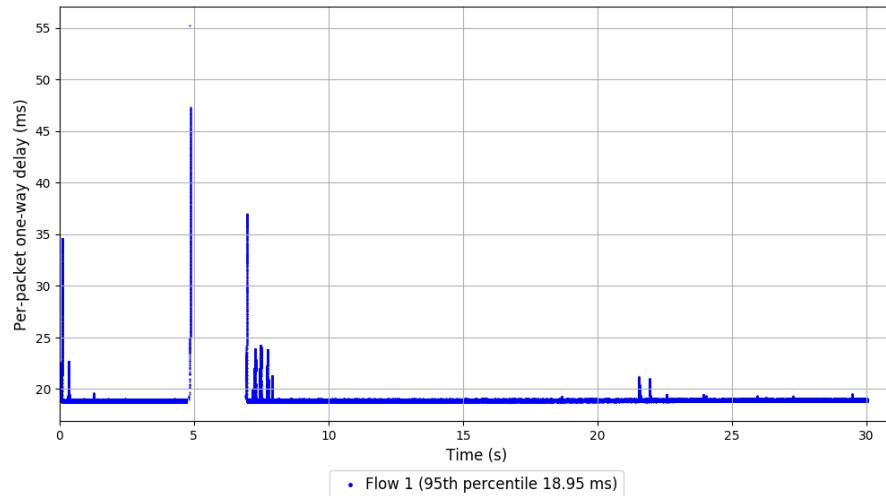
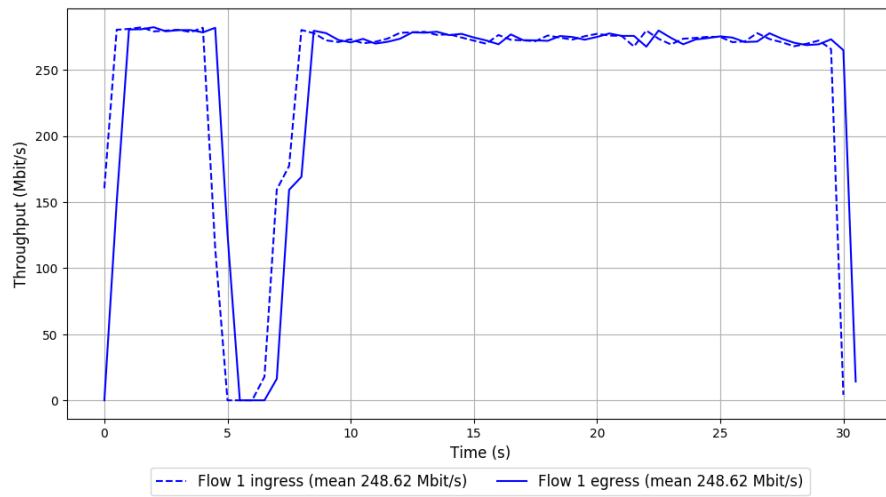


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-05-21 22:01:37
End at: 2018-05-21 22:02:07
Local clock offset: -1.728 ms
Remote clock offset: 2.036 ms

# Below is generated by plot.py at 2018-05-22 03:00:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.62 Mbit/s
95th percentile per-packet one-way delay: 18.952 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.62 Mbit/s
95th percentile per-packet one-way delay: 18.952 ms
Loss rate: 0.00%
```

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

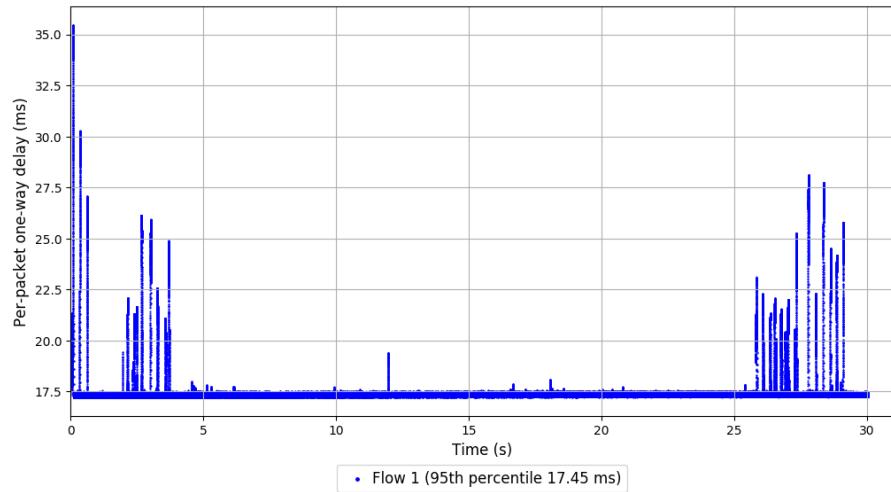
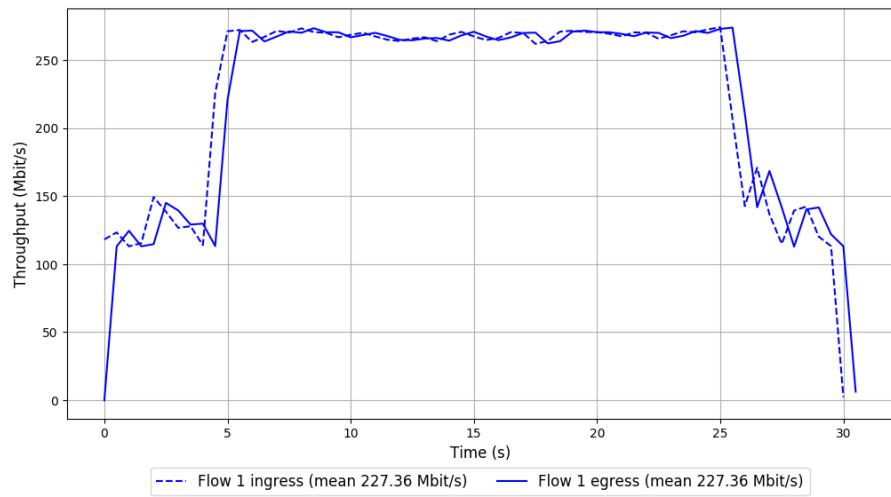


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-05-21 22:25:43
End at: 2018-05-21 22:26:13
Local clock offset: -1.254 ms
Remote clock offset: 1.483 ms

# Below is generated by plot.py at 2018-05-22 03:00:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.36 Mbit/s
95th percentile per-packet one-way delay: 17.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.36 Mbit/s
95th percentile per-packet one-way delay: 17.448 ms
Loss rate: 0.00%
```

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

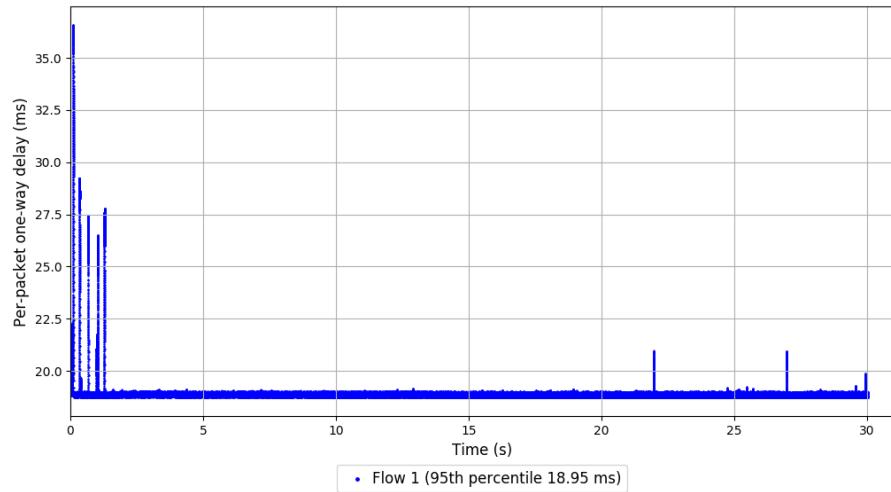
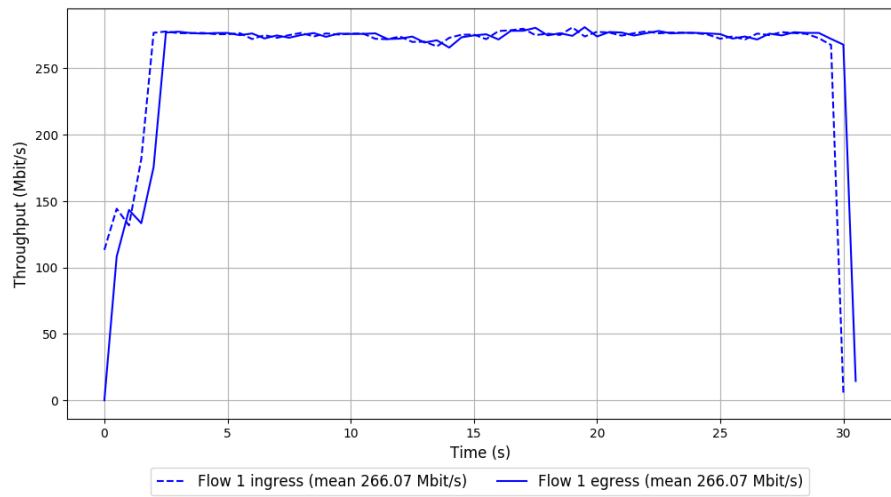


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-05-21 22:49:30
End at: 2018-05-21 22:50:00
Local clock offset: 1.754 ms
Remote clock offset: 1.385 ms

# Below is generated by plot.py at 2018-05-22 03:01:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.07 Mbit/s
95th percentile per-packet one-way delay: 18.953 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 266.07 Mbit/s
95th percentile per-packet one-way delay: 18.953 ms
Loss rate: 0.01%
```

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

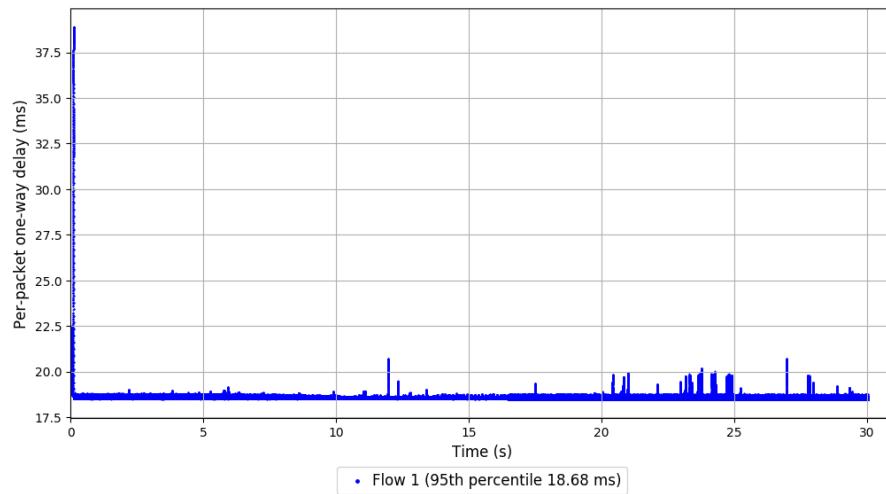
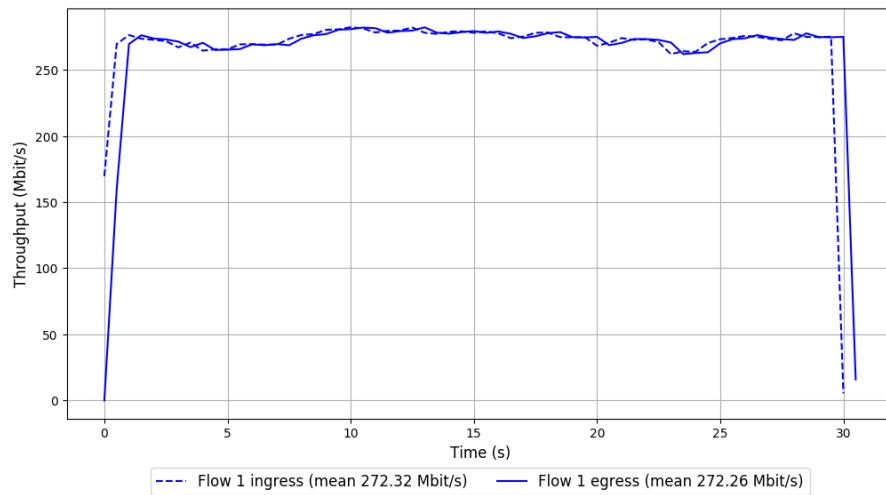


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:13:32
End at: 2018-05-21 23:14:02
Local clock offset: -0.125 ms
Remote clock offset: 0.235 ms

# Below is generated by plot.py at 2018-05-22 03:01:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.26 Mbit/s
95th percentile per-packet one-way delay: 18.679 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 272.26 Mbit/s
95th percentile per-packet one-way delay: 18.679 ms
Loss rate: 0.02%
```

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

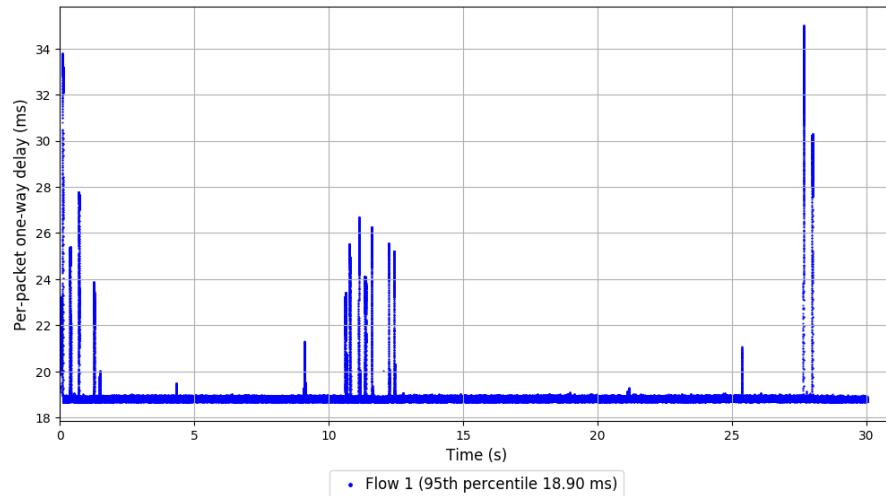
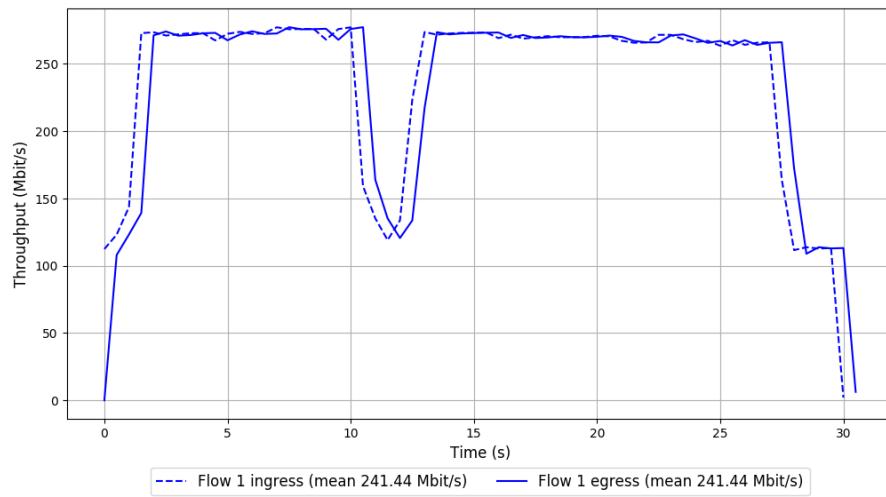


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-05-21 23:37:22
End at: 2018-05-21 23:37:52
Local clock offset: -0.296 ms
Remote clock offset: 0.088 ms

# Below is generated by plot.py at 2018-05-22 03:03:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.44 Mbit/s
95th percentile per-packet one-way delay: 18.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.44 Mbit/s
95th percentile per-packet one-way delay: 18.902 ms
Loss rate: 0.00%
```

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

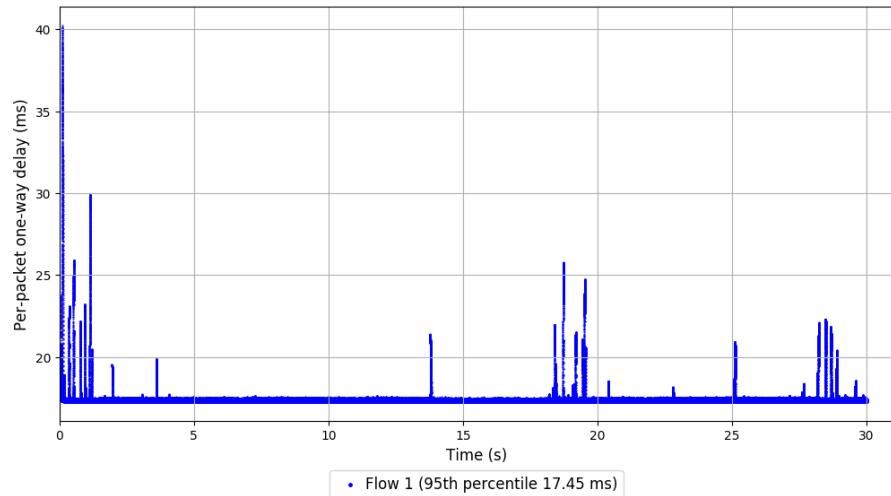
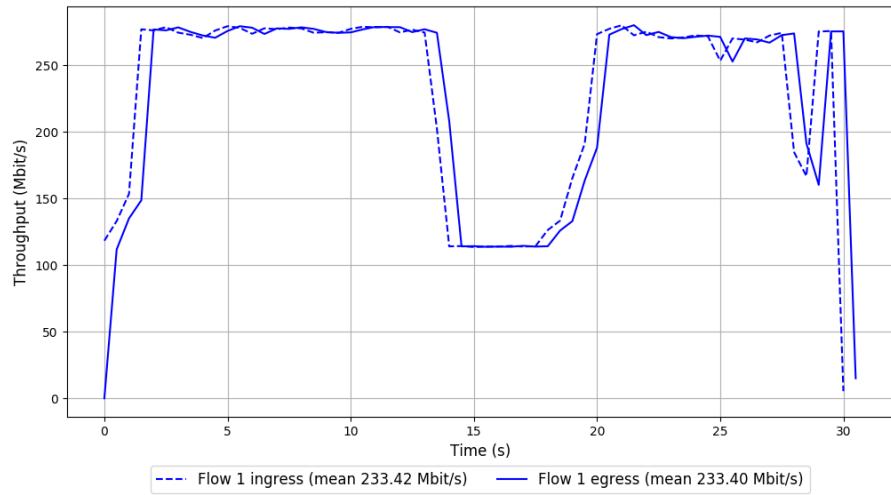


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-05-22 00:01:27
End at: 2018-05-22 00:01:57
Local clock offset: -0.169 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-05-22 03:04:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.40 Mbit/s
95th percentile per-packet one-way delay: 17.445 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 233.40 Mbit/s
95th percentile per-packet one-way delay: 17.445 ms
Loss rate: 0.01%
```

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

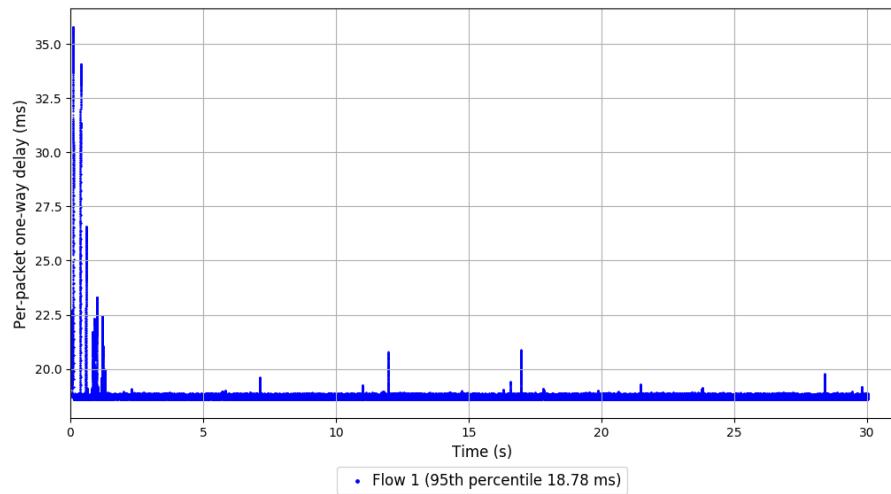
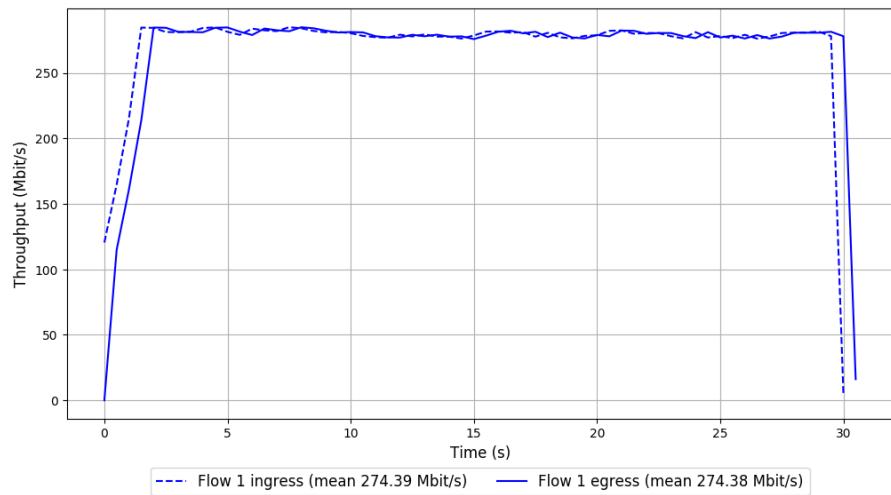


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-05-22 00:25:10
End at: 2018-05-22 00:25:40
Local clock offset: 0.149 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-05-22 03:05:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.38 Mbit/s
95th percentile per-packet one-way delay: 18.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 274.38 Mbit/s
95th percentile per-packet one-way delay: 18.784 ms
Loss rate: 0.00%
```

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

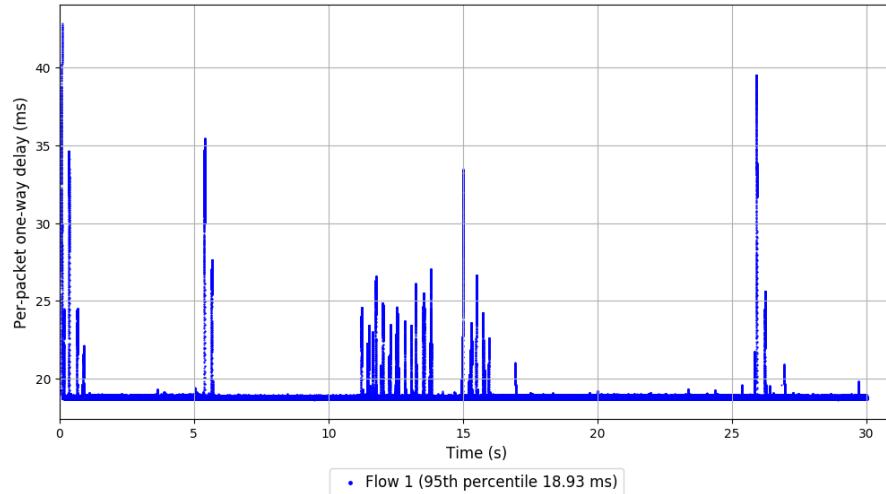
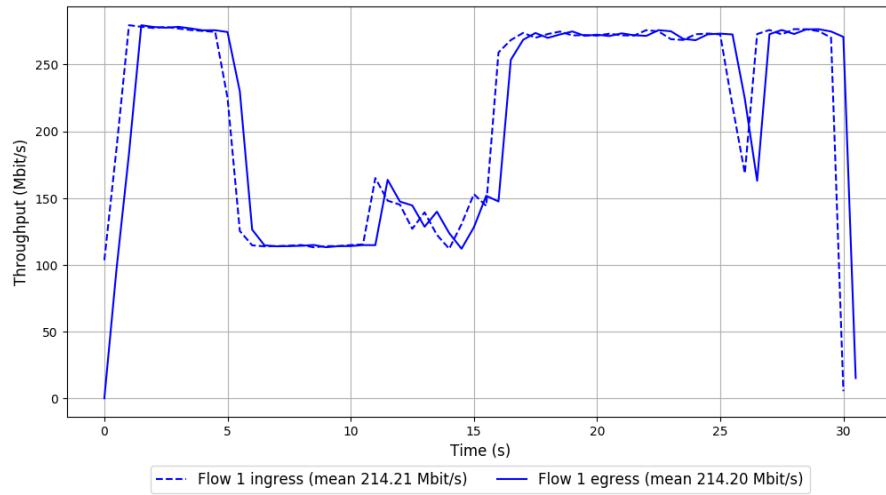


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-05-22 00:48:56
End at: 2018-05-22 00:49:26
Local clock offset: 0.199 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-05-22 03:05:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.20 Mbit/s
95th percentile per-packet one-way delay: 18.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.20 Mbit/s
95th percentile per-packet one-way delay: 18.926 ms
Loss rate: 0.00%
```

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

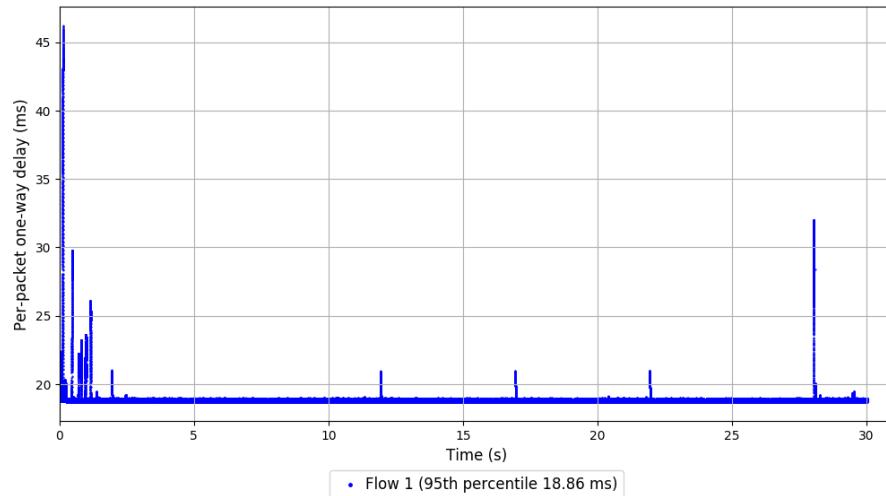
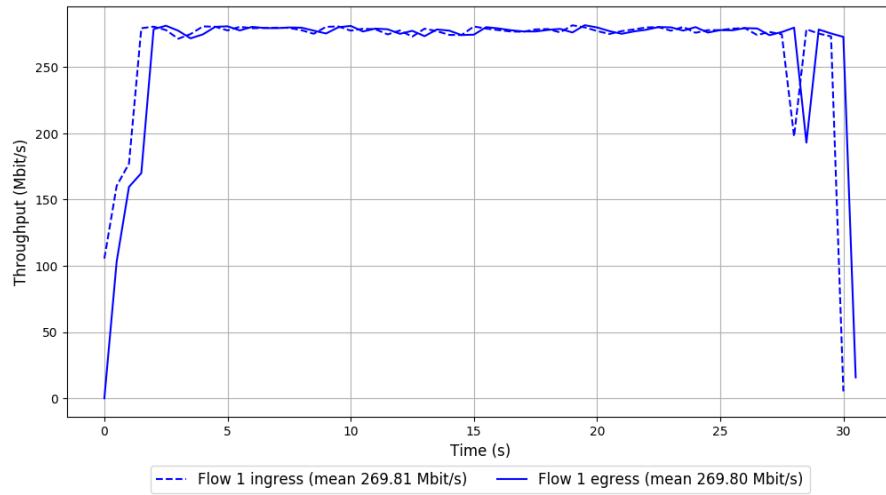


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-05-22 01:12:31
End at: 2018-05-22 01:13:01
Local clock offset: -0.002 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-05-22 03:06:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.80 Mbit/s
95th percentile per-packet one-way delay: 18.863 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 269.80 Mbit/s
95th percentile per-packet one-way delay: 18.863 ms
Loss rate: 0.01%
```

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

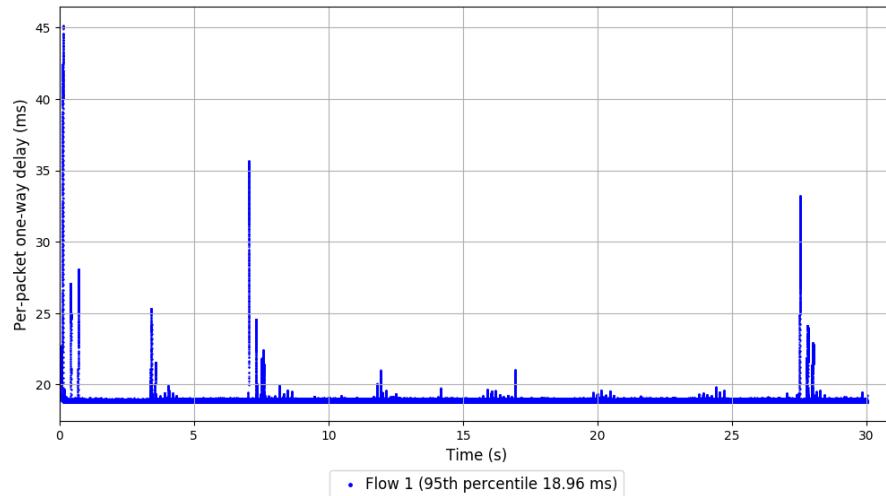
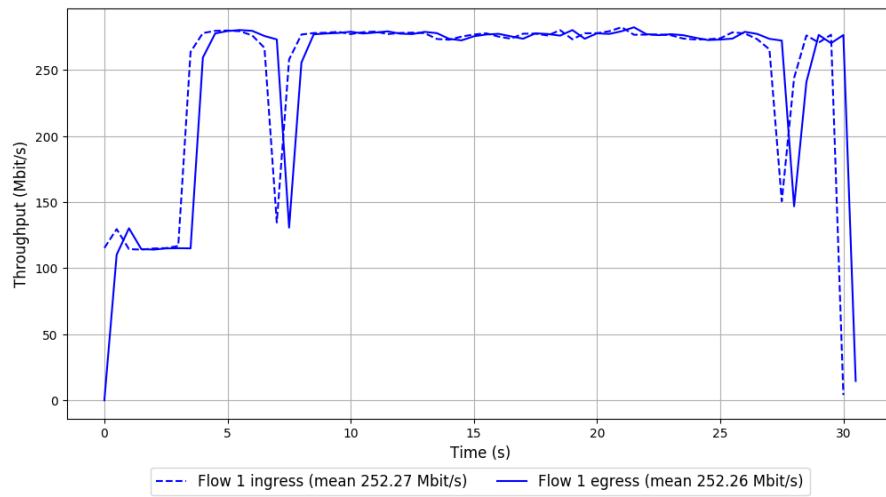


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-05-22 01:36:07
End at: 2018-05-22 01:36:37
Local clock offset: 0.061 ms
Remote clock offset: 0.177 ms

# Below is generated by plot.py at 2018-05-22 03:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.26 Mbit/s
95th percentile per-packet one-way delay: 18.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 252.26 Mbit/s
95th percentile per-packet one-way delay: 18.961 ms
Loss rate: 0.00%
```

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

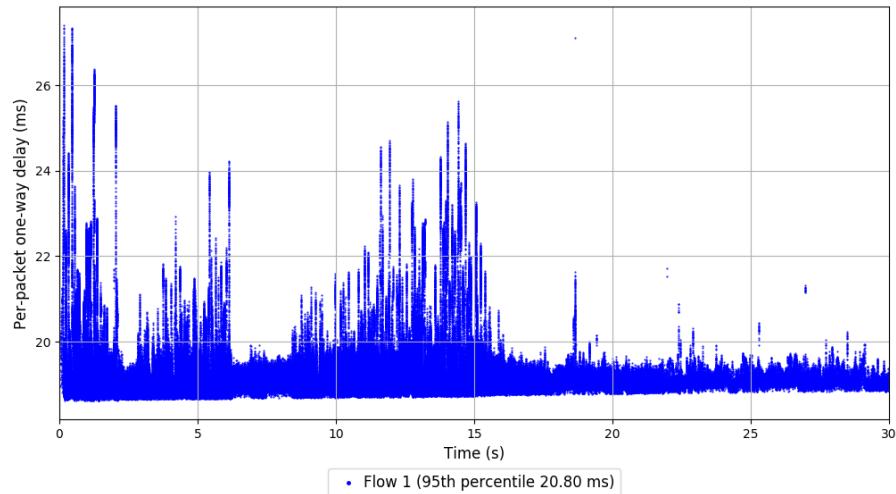
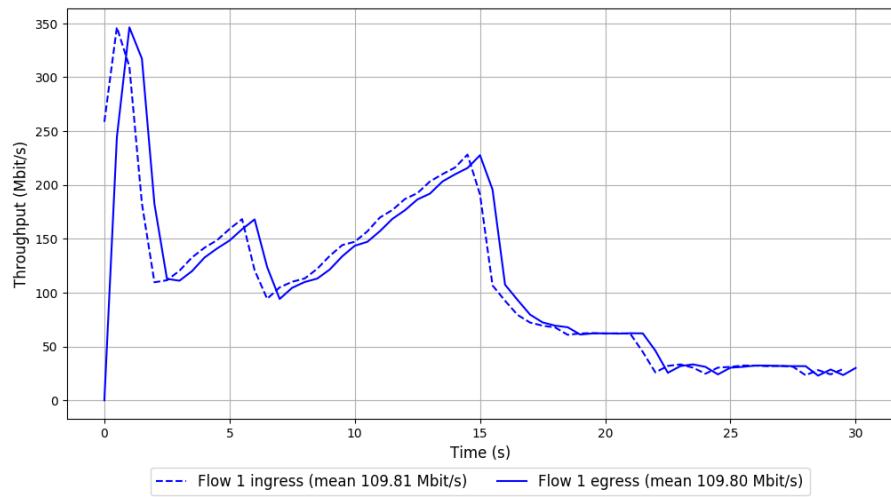


Run 1: Statistics of TCP Vegas

```
Start at: 2018-05-21 21:43:46
End at: 2018-05-21 21:44:16
Local clock offset: -1.743 ms
Remote clock offset: 5.074 ms

# Below is generated by plot.py at 2018-05-22 03:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.80 Mbit/s
95th percentile per-packet one-way delay: 20.800 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 109.80 Mbit/s
95th percentile per-packet one-way delay: 20.800 ms
Loss rate: 0.01%
```

Run 1: Report of TCP Vegas — Data Link

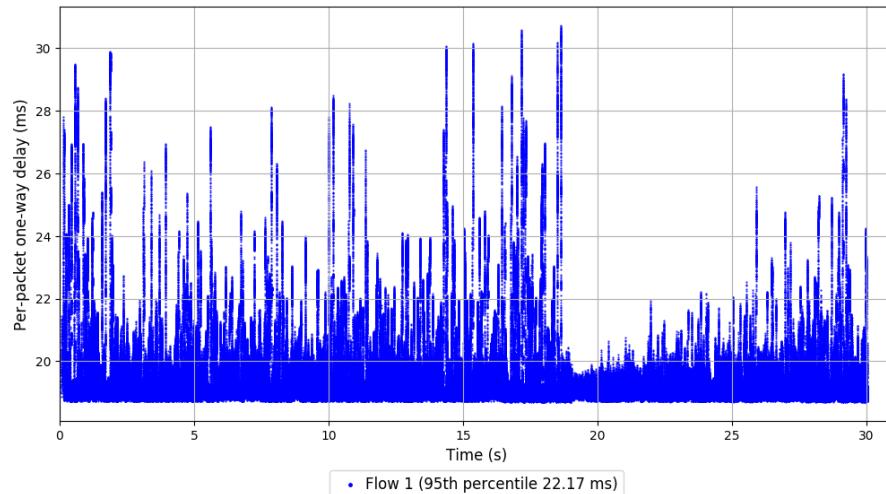
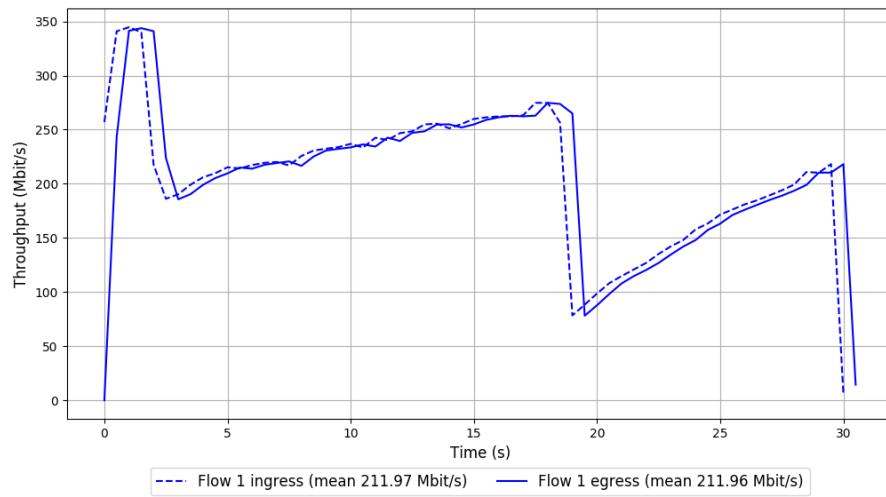


Run 2: Statistics of TCP Vegas

```
Start at: 2018-05-21 22:07:48
End at: 2018-05-21 22:08:18
Local clock offset: -1.186 ms
Remote clock offset: 2.259 ms

# Below is generated by plot.py at 2018-05-22 03:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.96 Mbit/s
95th percentile per-packet one-way delay: 22.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 211.96 Mbit/s
95th percentile per-packet one-way delay: 22.171 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

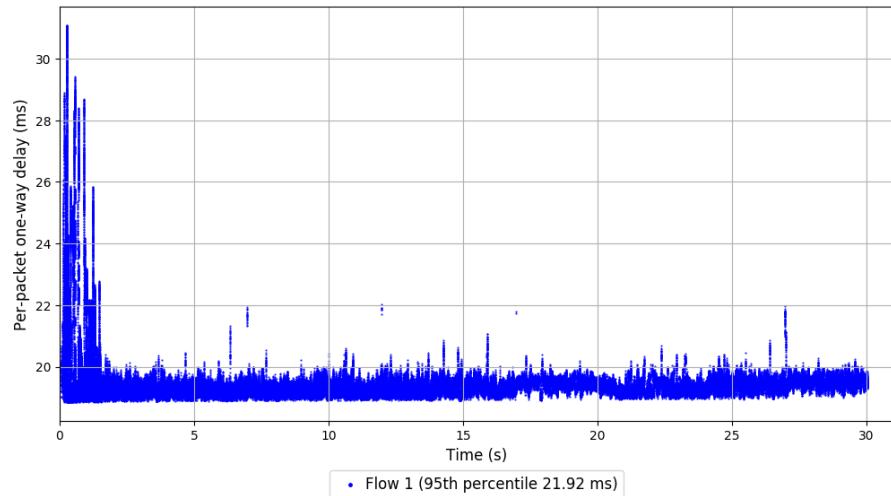
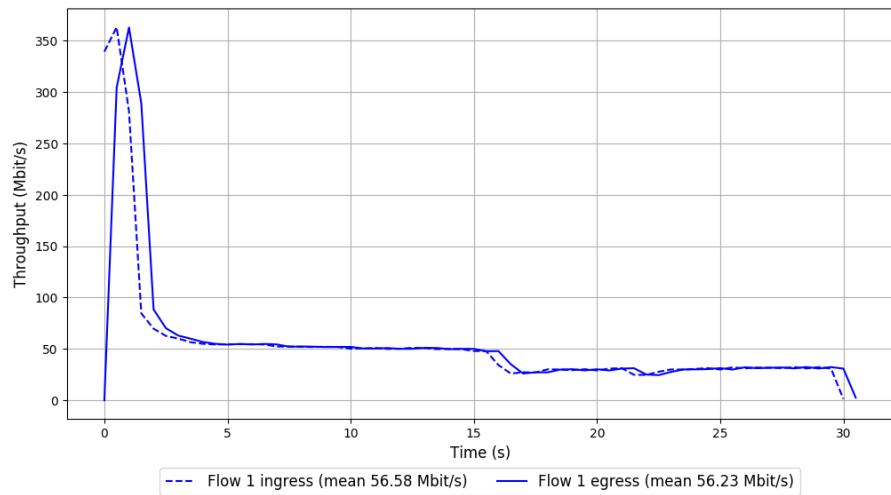


Run 3: Statistics of TCP Vegas

```
Start at: 2018-05-21 22:31:42
End at: 2018-05-21 22:32:12
Local clock offset: 0.048 ms
Remote clock offset: 1.064 ms

# Below is generated by plot.py at 2018-05-22 03:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 21.924 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 21.924 ms
Loss rate: 0.61%
```

Run 3: Report of TCP Vegas — Data Link

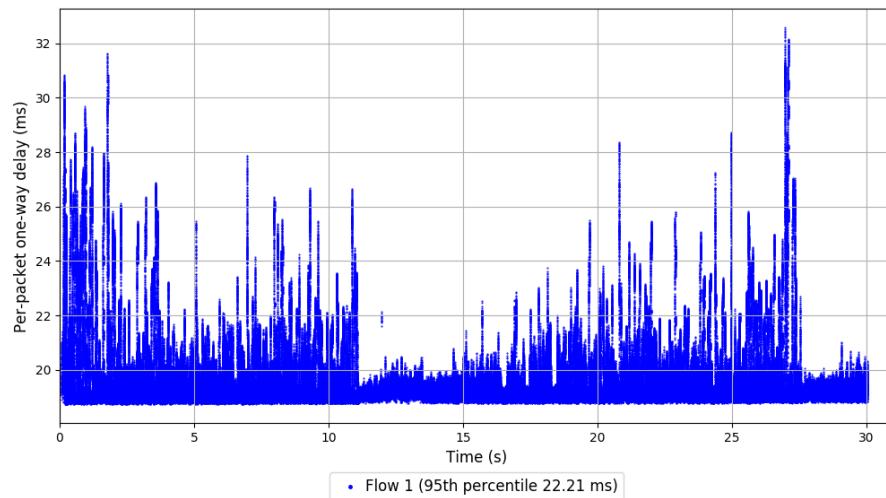
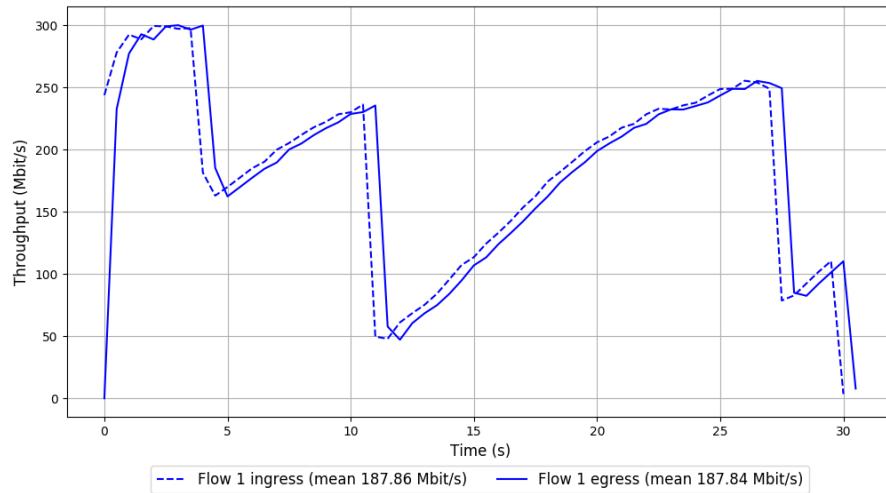


Run 4: Statistics of TCP Vegas

```
Start at: 2018-05-21 22:55:34
End at: 2018-05-21 22:56:04
Local clock offset: 1.952 ms
Remote clock offset: 1.059 ms

# Below is generated by plot.py at 2018-05-22 03:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.84 Mbit/s
95th percentile per-packet one-way delay: 22.212 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.84 Mbit/s
95th percentile per-packet one-way delay: 22.212 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

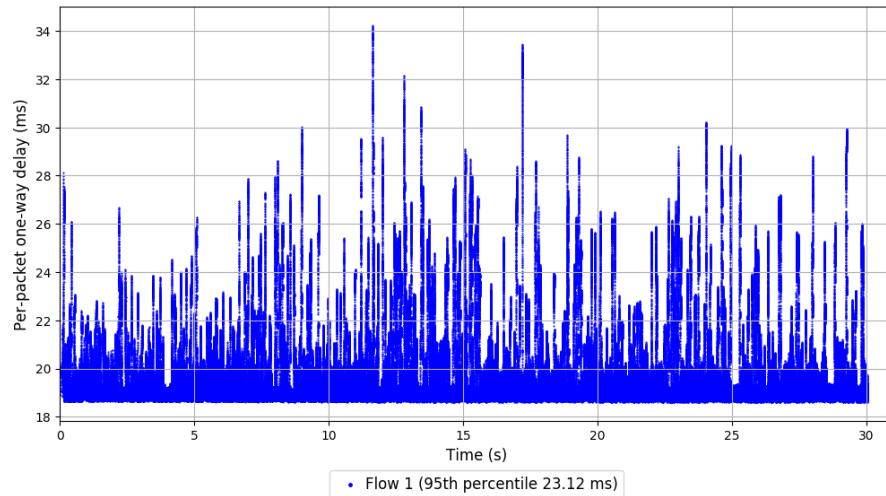
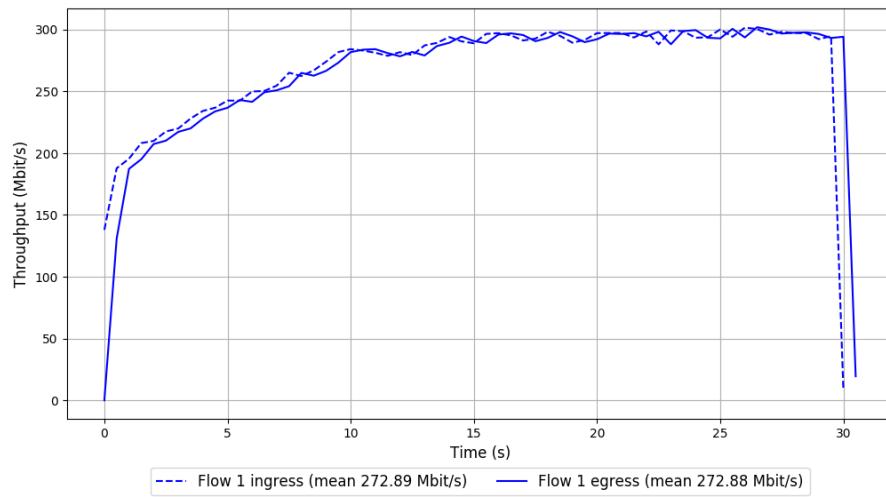


Run 5: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:19:29
End at: 2018-05-21 23:19:59
Local clock offset: -0.454 ms
Remote clock offset: 0.324 ms

# Below is generated by plot.py at 2018-05-22 03:07:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.88 Mbit/s
95th percentile per-packet one-way delay: 23.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.88 Mbit/s
95th percentile per-packet one-way delay: 23.122 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

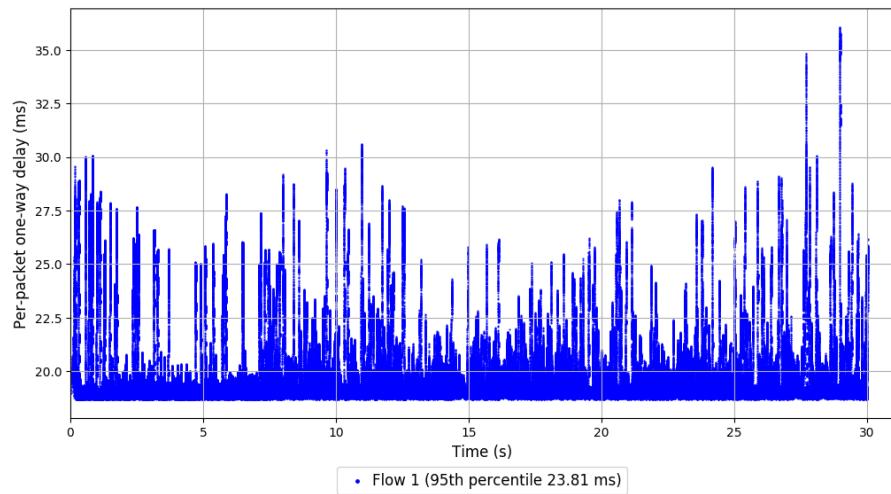
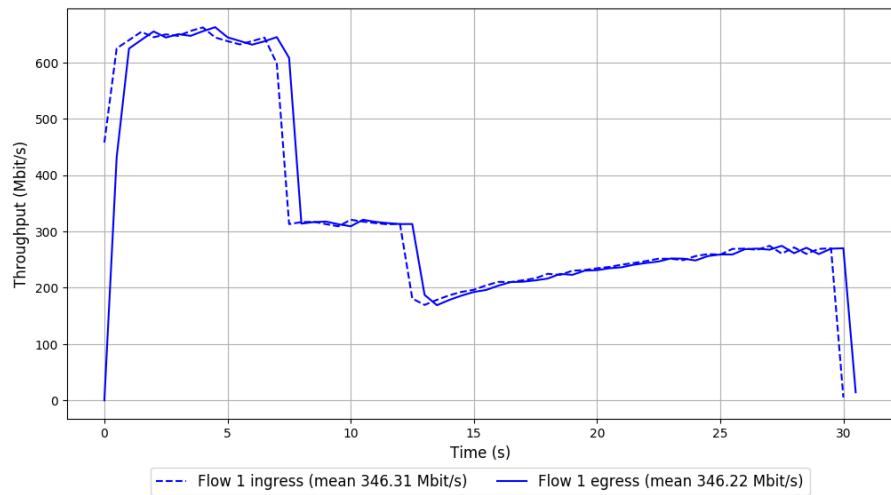


Run 6: Statistics of TCP Vegas

```
Start at: 2018-05-21 23:43:22
End at: 2018-05-21 23:43:52
Local clock offset: -0.259 ms
Remote clock offset: 0.112 ms

# Below is generated by plot.py at 2018-05-22 03:08:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.22 Mbit/s
95th percentile per-packet one-way delay: 23.814 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 346.22 Mbit/s
95th percentile per-packet one-way delay: 23.814 ms
Loss rate: 0.01%
```

Run 6: Report of TCP Vegas — Data Link

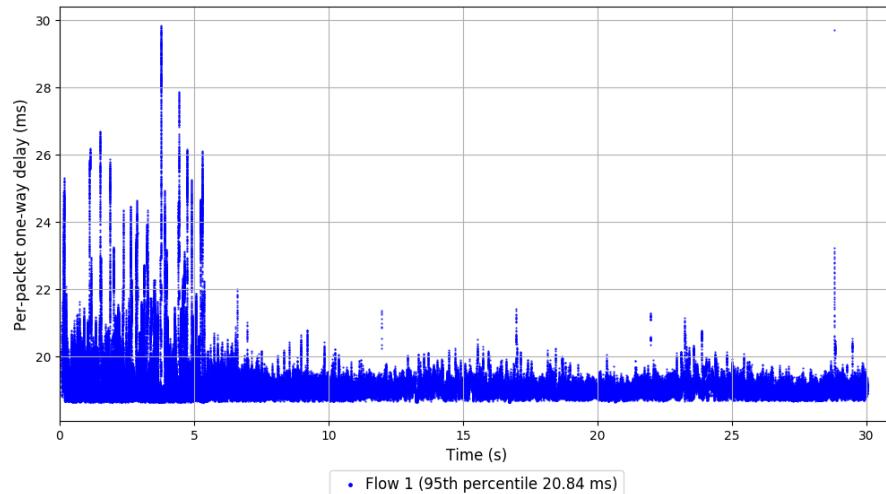
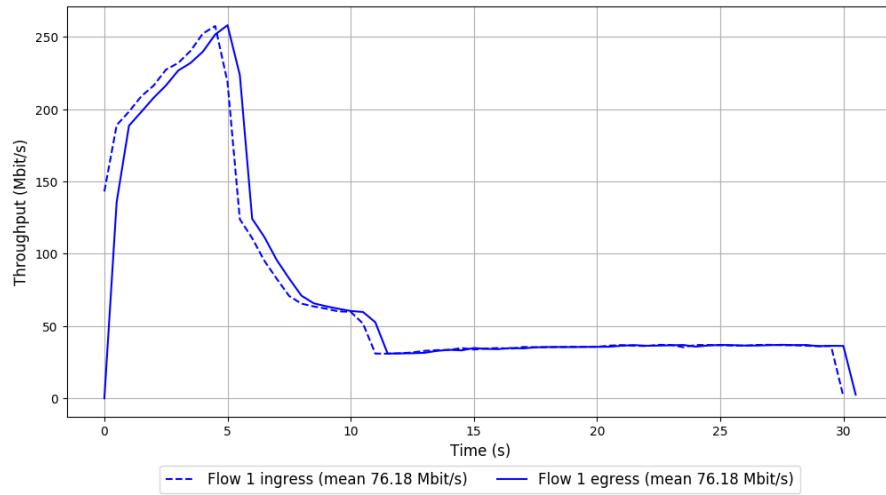


Run 7: Statistics of TCP Vegas

```
Start at: 2018-05-22 00:07:25
End at: 2018-05-22 00:07:55
Local clock offset: 0.048 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-05-22 03:08:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.18 Mbit/s
95th percentile per-packet one-way delay: 20.841 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 76.18 Mbit/s
95th percentile per-packet one-way delay: 20.841 ms
Loss rate: 0.01%
```

Run 7: Report of TCP Vegas — Data Link

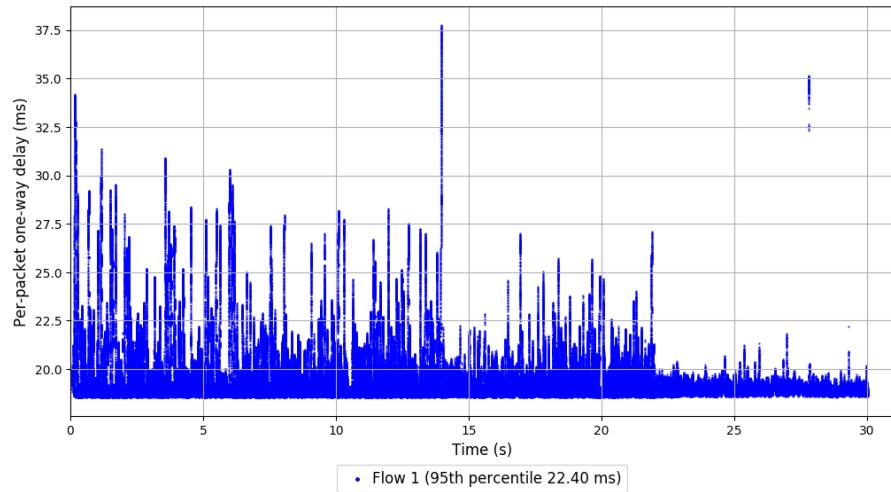
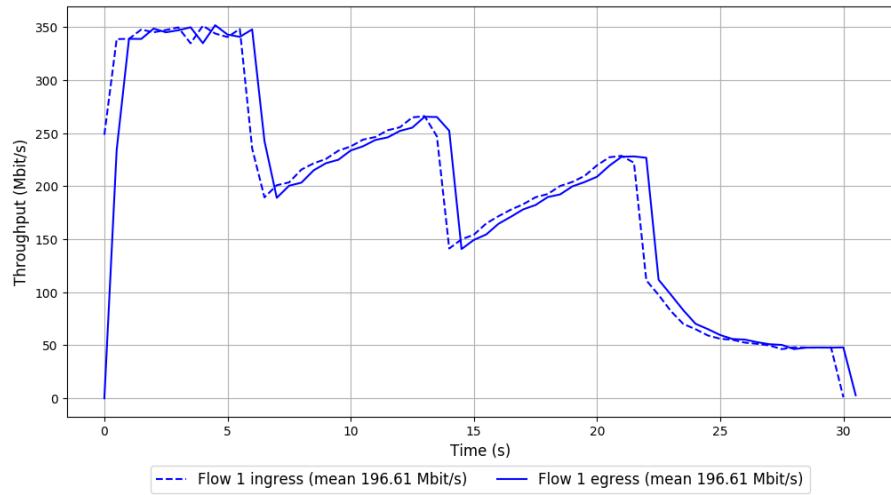


Run 8: Statistics of TCP Vegas

```
Start at: 2018-05-22 00:31:10
End at: 2018-05-22 00:31:40
Local clock offset: 0.166 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-05-22 03:08:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.61 Mbit/s
95th percentile per-packet one-way delay: 22.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.61 Mbit/s
95th percentile per-packet one-way delay: 22.396 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

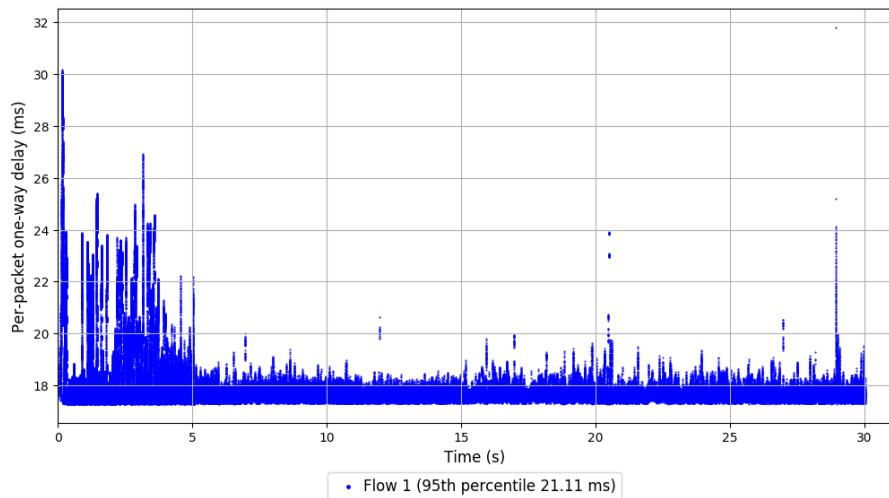
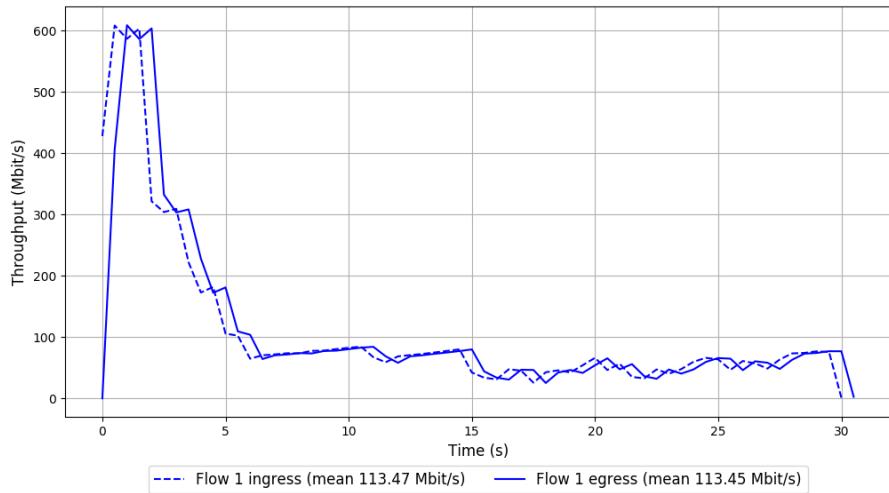


Run 9: Statistics of TCP Vegas

```
Start at: 2018-05-22 00:54:53
End at: 2018-05-22 00:55:23
Local clock offset: 0.04 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-05-22 03:08:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 113.45 Mbit/s
95th percentile per-packet one-way delay: 21.109 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.45 Mbit/s
95th percentile per-packet one-way delay: 21.109 ms
Loss rate: 0.01%
```

Run 9: Report of TCP Vegas — Data Link

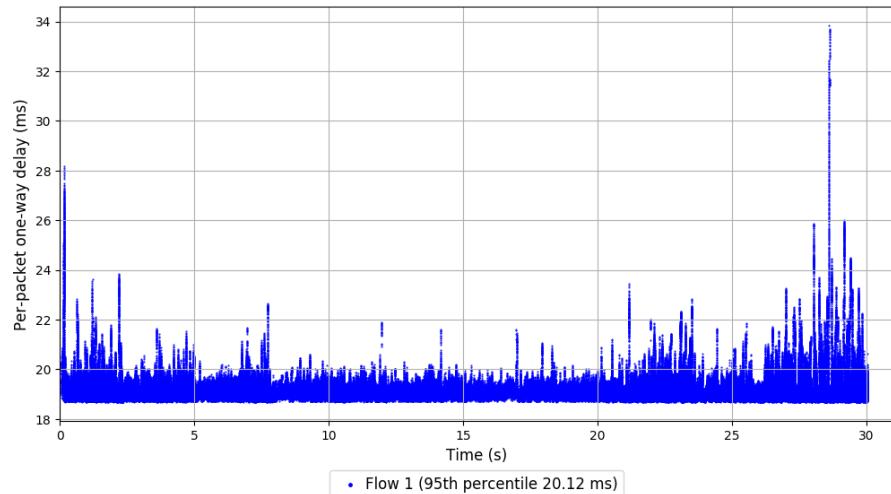
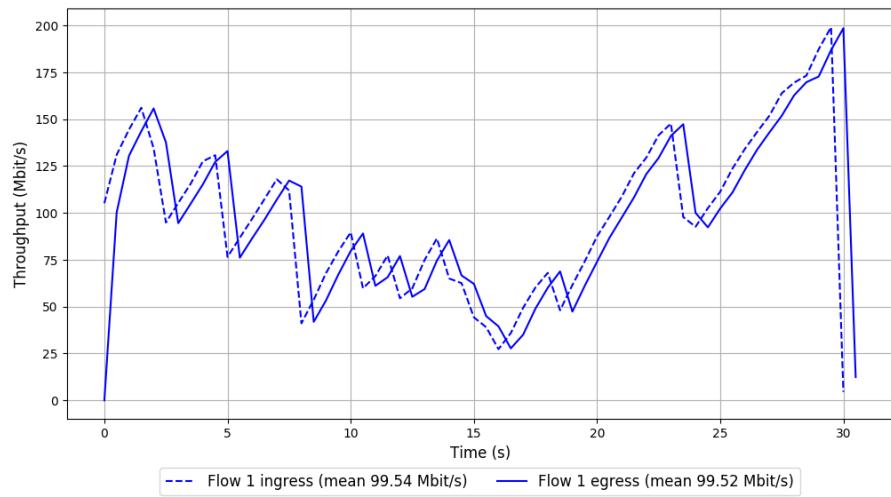


Run 10: Statistics of TCP Vegas

```
Start at: 2018-05-22 01:18:26
End at: 2018-05-22 01:18:56
Local clock offset: 0.055 ms
Remote clock offset: 0.131 ms

# Below is generated by plot.py at 2018-05-22 03:08:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.52 Mbit/s
95th percentile per-packet one-way delay: 20.120 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.52 Mbit/s
95th percentile per-packet one-way delay: 20.120 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Vegas — Data Link

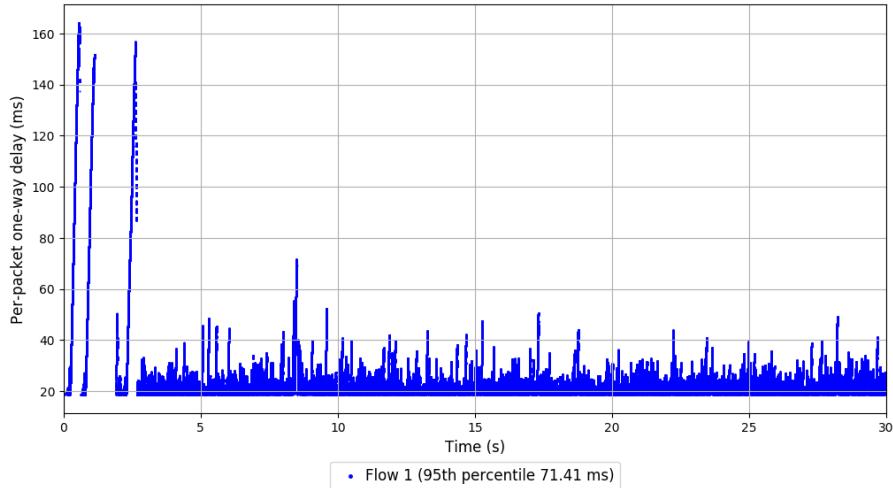
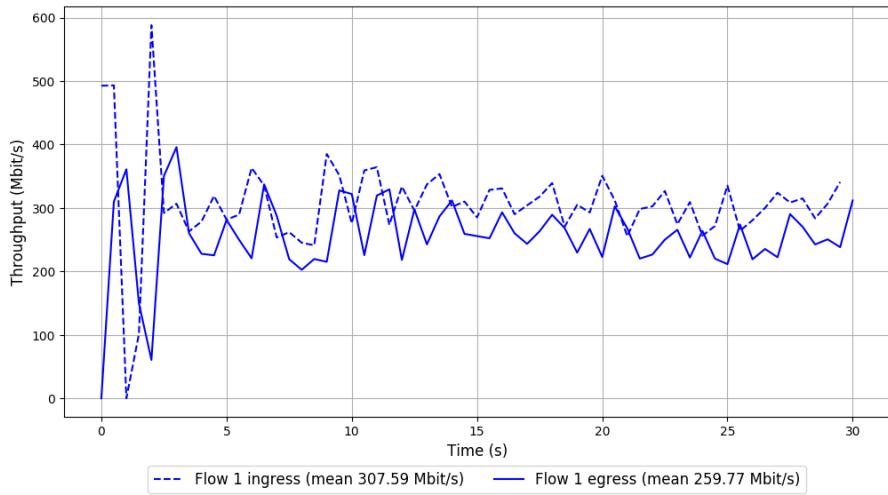


Run 1: Statistics of Verus

```
Start at: 2018-05-21 21:54:09
End at: 2018-05-21 21:54:39
Local clock offset: -2.579 ms
Remote clock offset: 2.311 ms

# Below is generated by plot.py at 2018-05-22 03:09:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.77 Mbit/s
95th percentile per-packet one-way delay: 71.405 ms
Loss rate: 15.54%
-- Flow 1:
Average throughput: 259.77 Mbit/s
95th percentile per-packet one-way delay: 71.405 ms
Loss rate: 15.54%
```

Run 1: Report of Verus — Data Link

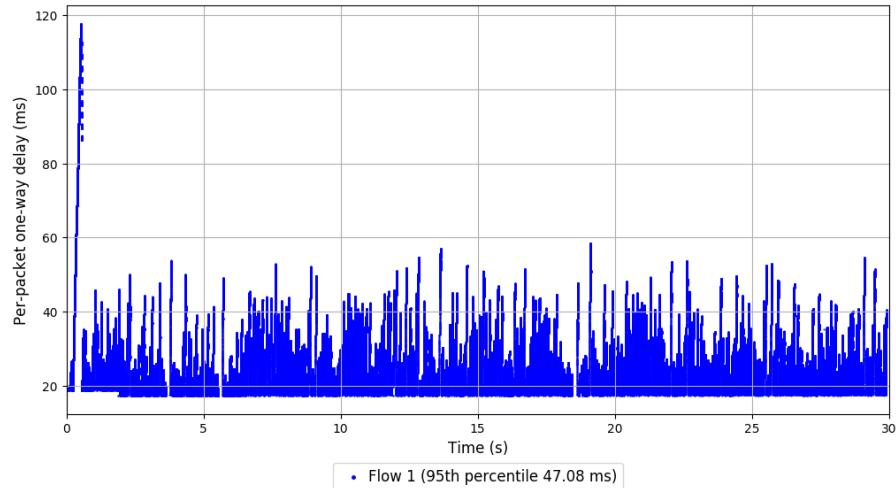
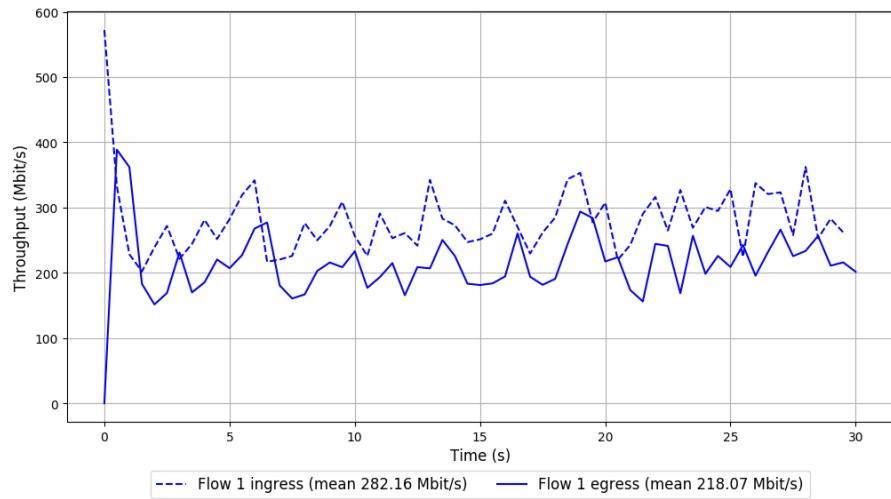


Run 2: Statistics of Verus

```
Start at: 2018-05-21 22:18:10
End at: 2018-05-21 22:18:40
Local clock offset: -1.021 ms
Remote clock offset: 2.967 ms

# Below is generated by plot.py at 2018-05-22 03:09:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.07 Mbit/s
95th percentile per-packet one-way delay: 47.083 ms
Loss rate: 22.66%
-- Flow 1:
Average throughput: 218.07 Mbit/s
95th percentile per-packet one-way delay: 47.083 ms
Loss rate: 22.66%
```

Run 2: Report of Verus — Data Link

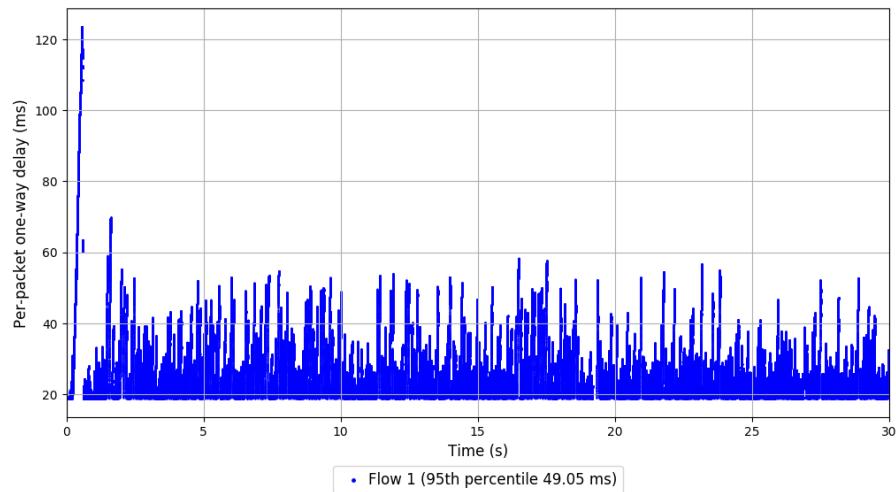
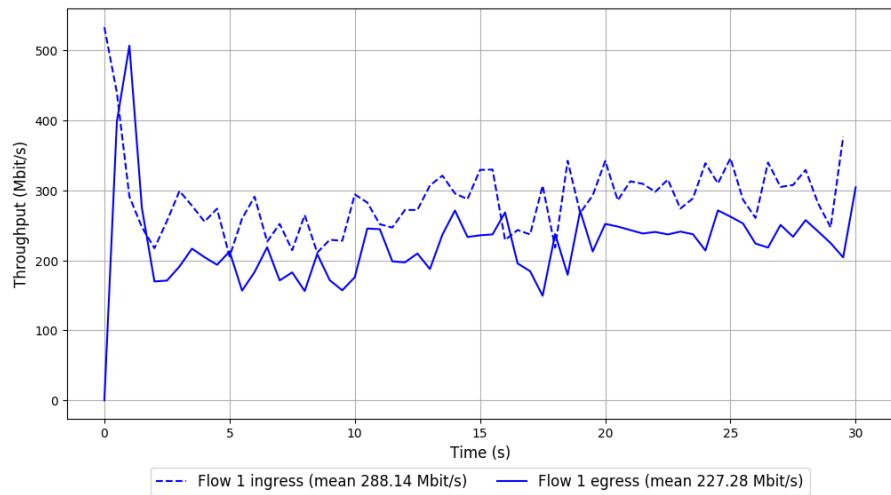


Run 3: Statistics of Verus

```
Start at: 2018-05-21 22:41:59
End at: 2018-05-21 22:42:29
Local clock offset: 1.506 ms
Remote clock offset: 1.178 ms

# Below is generated by plot.py at 2018-05-22 03:10:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.28 Mbit/s
95th percentile per-packet one-way delay: 49.054 ms
Loss rate: 21.10%
-- Flow 1:
Average throughput: 227.28 Mbit/s
95th percentile per-packet one-way delay: 49.054 ms
Loss rate: 21.10%
```

Run 3: Report of Verus — Data Link

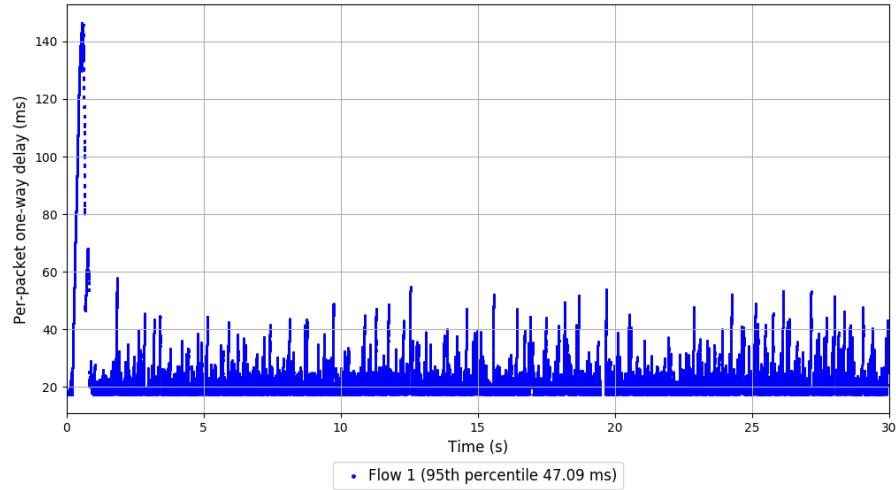
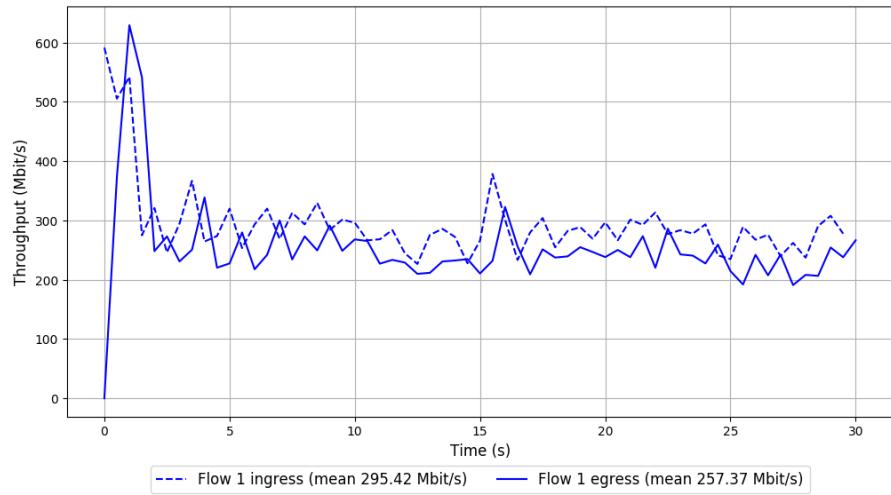


Run 4: Statistics of Verus

```
Start at: 2018-05-21 23:05:49
End at: 2018-05-21 23:06:19
Local clock offset: 0.477 ms
Remote clock offset: 0.438 ms

# Below is generated by plot.py at 2018-05-22 03:10:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 257.37 Mbit/s
95th percentile per-packet one-way delay: 47.090 ms
Loss rate: 12.87%
-- Flow 1:
Average throughput: 257.37 Mbit/s
95th percentile per-packet one-way delay: 47.090 ms
Loss rate: 12.87%
```

Run 4: Report of Verus — Data Link

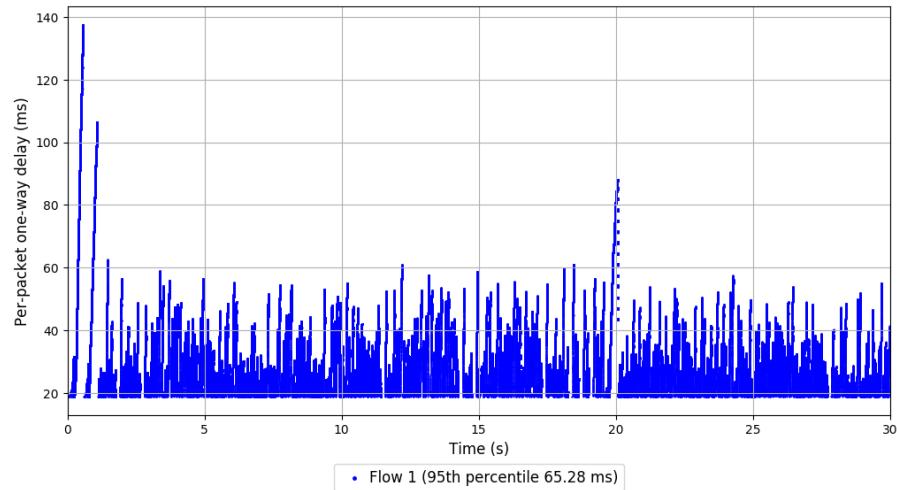
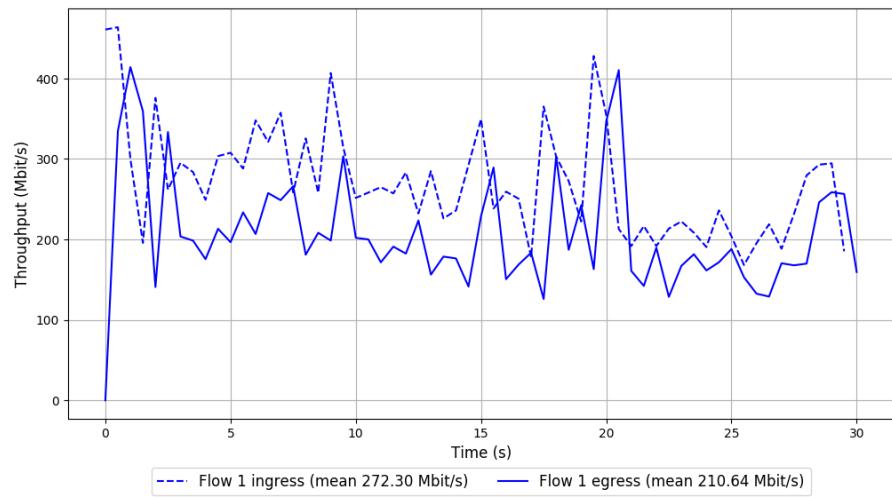


Run 5: Statistics of Verus

```
Start at: 2018-05-21 23:29:50
End at: 2018-05-21 23:30:20
Local clock offset: -0.546 ms
Remote clock offset: 0.289 ms

# Below is generated by plot.py at 2018-05-22 03:10:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.64 Mbit/s
95th percentile per-packet one-way delay: 65.282 ms
Loss rate: 22.64%
-- Flow 1:
Average throughput: 210.64 Mbit/s
95th percentile per-packet one-way delay: 65.282 ms
Loss rate: 22.64%
```

Run 5: Report of Verus — Data Link

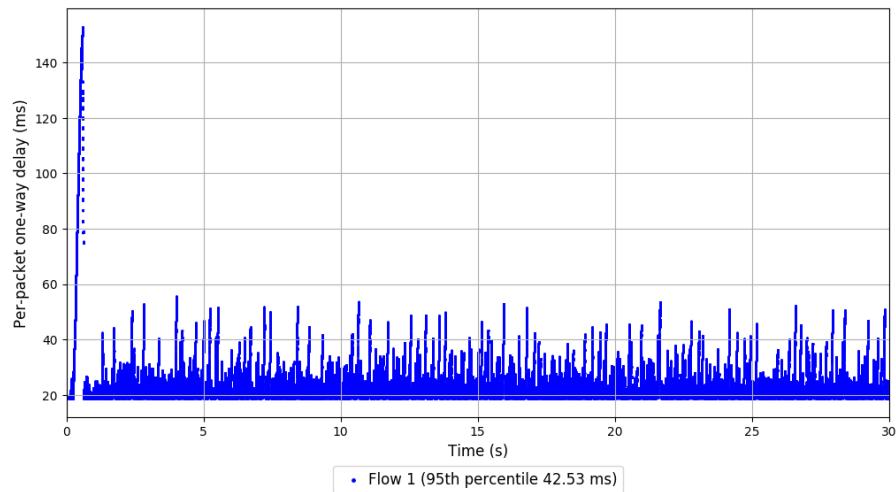
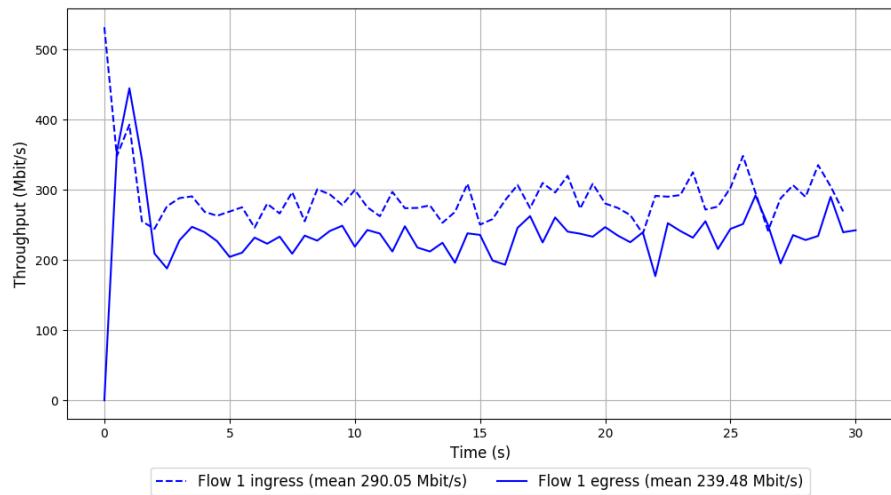


Run 6: Statistics of Verus

```
Start at: 2018-05-21 23:53:48
End at: 2018-05-21 23:54:18
Local clock offset: -0.332 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-05-22 03:10:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.48 Mbit/s
95th percentile per-packet one-way delay: 42.534 ms
Loss rate: 17.43%
-- Flow 1:
Average throughput: 239.48 Mbit/s
95th percentile per-packet one-way delay: 42.534 ms
Loss rate: 17.43%
```

Run 6: Report of Verus — Data Link

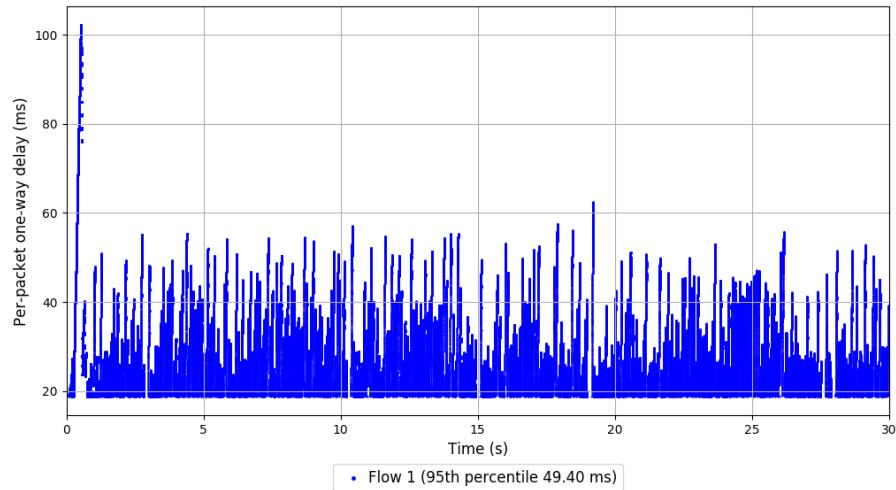
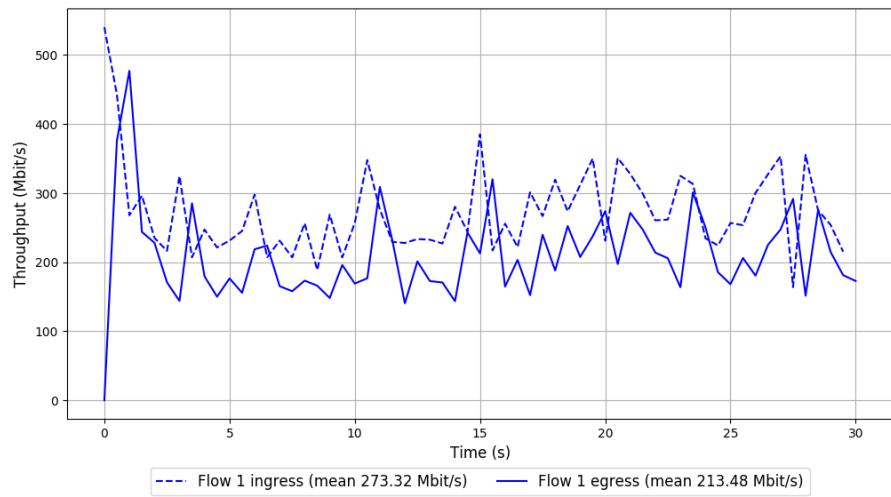


Run 7: Statistics of Verus

```
Start at: 2018-05-22 00:17:40
End at: 2018-05-22 00:18:10
Local clock offset: 0.091 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-05-22 03:10:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.48 Mbit/s
95th percentile per-packet one-way delay: 49.400 ms
Loss rate: 21.89%
-- Flow 1:
Average throughput: 213.48 Mbit/s
95th percentile per-packet one-way delay: 49.400 ms
Loss rate: 21.89%
```

Run 7: Report of Verus — Data Link

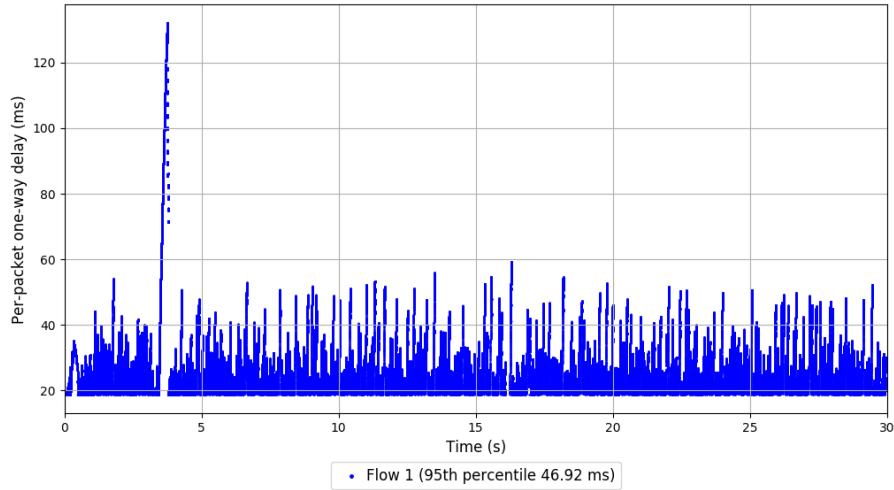
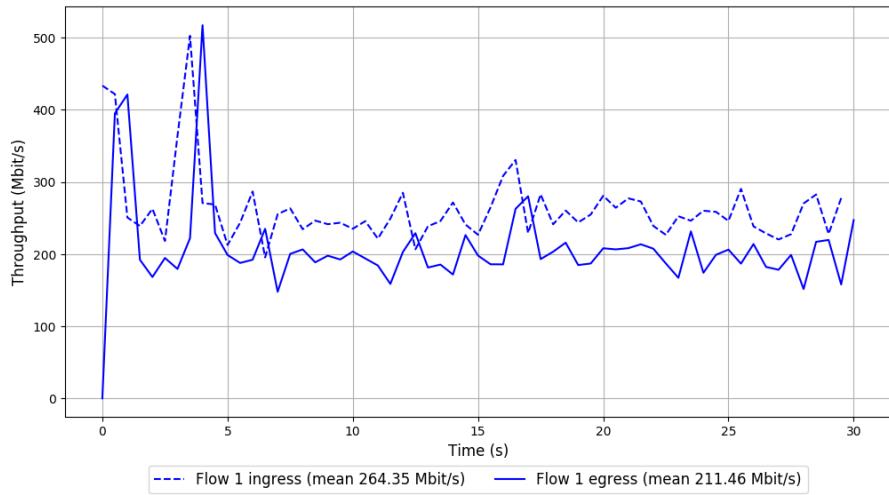


Run 8: Statistics of Verus

```
Start at: 2018-05-22 00:41:25
End at: 2018-05-22 00:41:55
Local clock offset: 0.24 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-05-22 03:11:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.46 Mbit/s
95th percentile per-packet one-way delay: 46.916 ms
Loss rate: 20.00%
-- Flow 1:
Average throughput: 211.46 Mbit/s
95th percentile per-packet one-way delay: 46.916 ms
Loss rate: 20.00%
```

Run 8: Report of Verus — Data Link

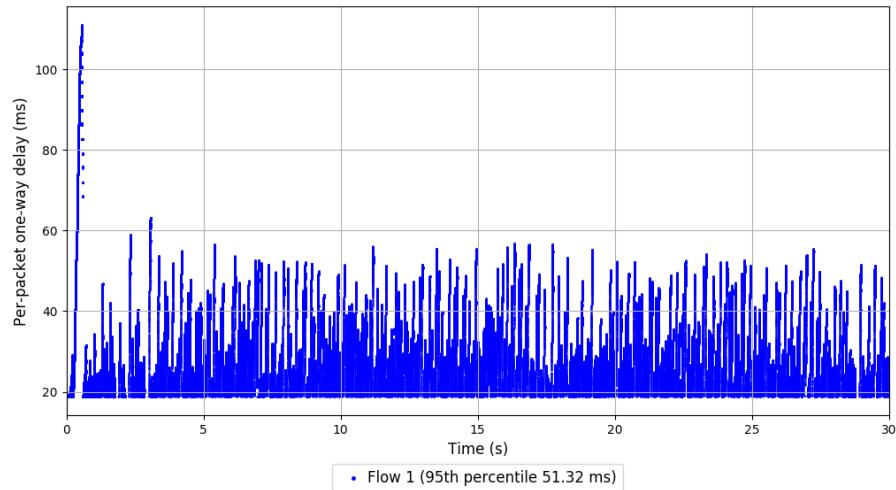
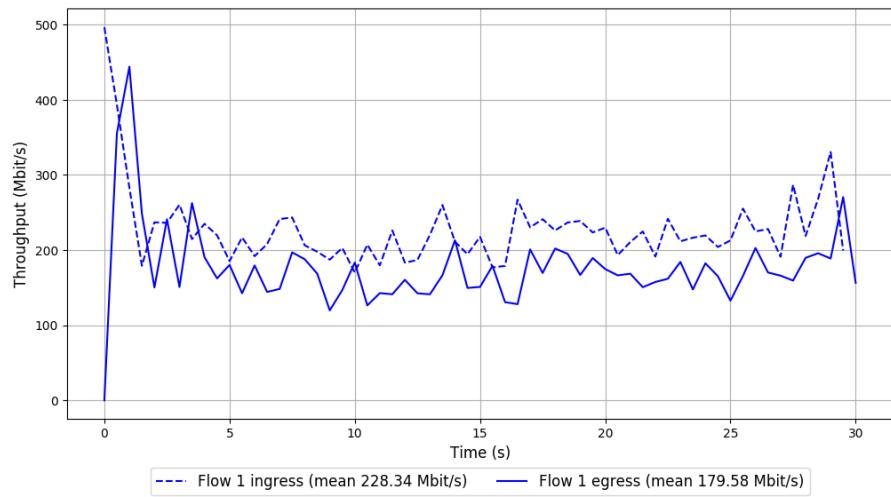


Run 9: Statistics of Verus

```
Start at: 2018-05-22 01:05:05
End at: 2018-05-22 01:05:35
Local clock offset: 0.054 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-05-22 03:11:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.58 Mbit/s
95th percentile per-packet one-way delay: 51.323 ms
Loss rate: 21.33%
-- Flow 1:
Average throughput: 179.58 Mbit/s
95th percentile per-packet one-way delay: 51.323 ms
Loss rate: 21.33%
```

Run 9: Report of Verus — Data Link

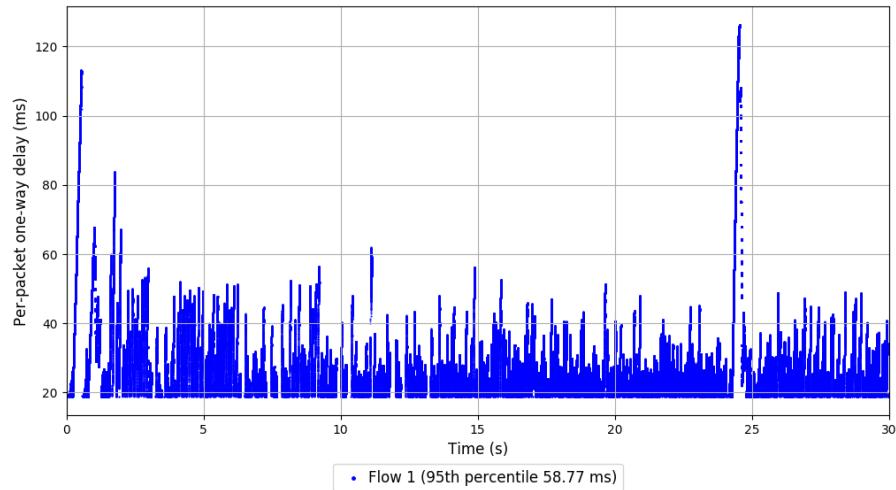
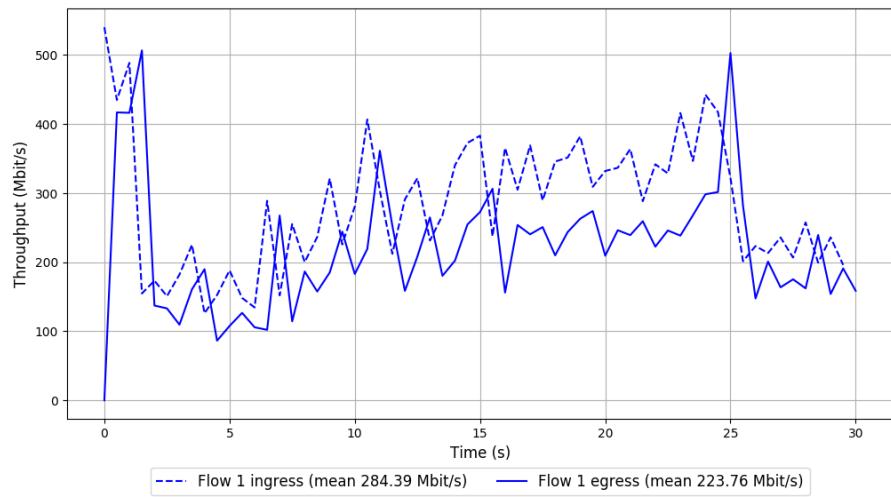


Run 10: Statistics of Verus

```
Start at: 2018-05-22 01:28:38
End at: 2018-05-22 01:29:08
Local clock offset: -0.036 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2018-05-22 03:12:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.76 Mbit/s
95th percentile per-packet one-way delay: 58.772 ms
Loss rate: 21.32%
-- Flow 1:
Average throughput: 223.76 Mbit/s
95th percentile per-packet one-way delay: 58.772 ms
Loss rate: 21.32%
```

Run 10: Report of Verus — Data Link

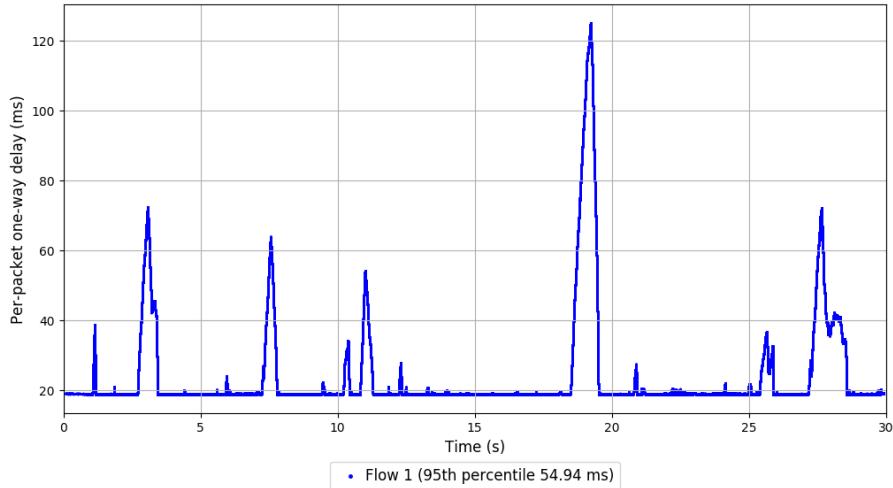
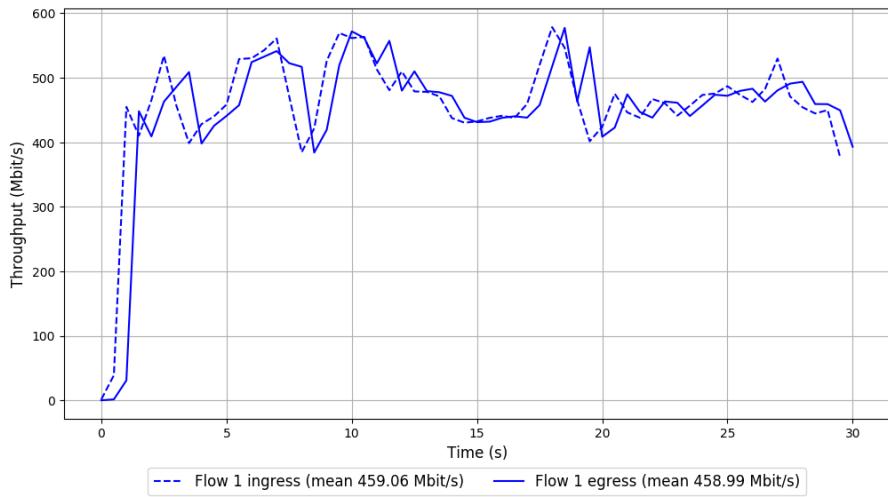


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-05-21 21:49:30
End at: 2018-05-21 21:50:00
Local clock offset: -2.132 ms
Remote clock offset: 3.154 ms

# Below is generated by plot.py at 2018-05-22 03:15:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 458.99 Mbit/s
95th percentile per-packet one-way delay: 54.940 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 458.99 Mbit/s
95th percentile per-packet one-way delay: 54.940 ms
Loss rate: 0.02%
```

Run 1: Report of PCC-Vivace — Data Link

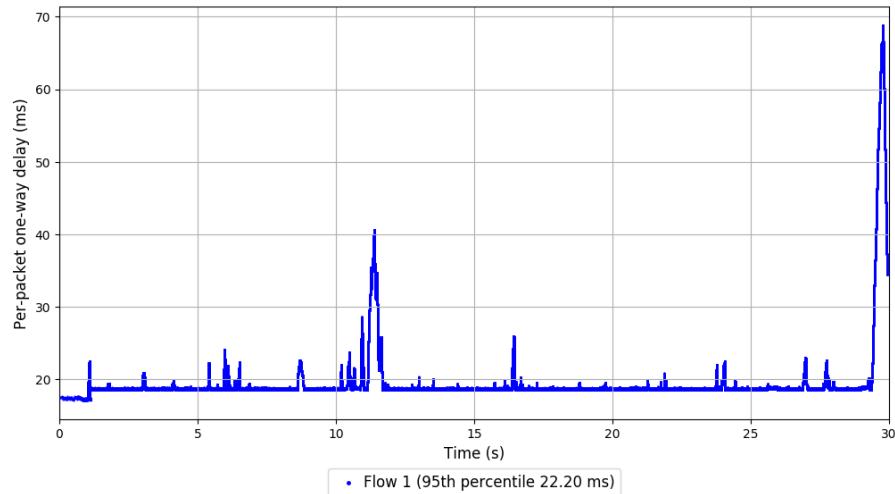
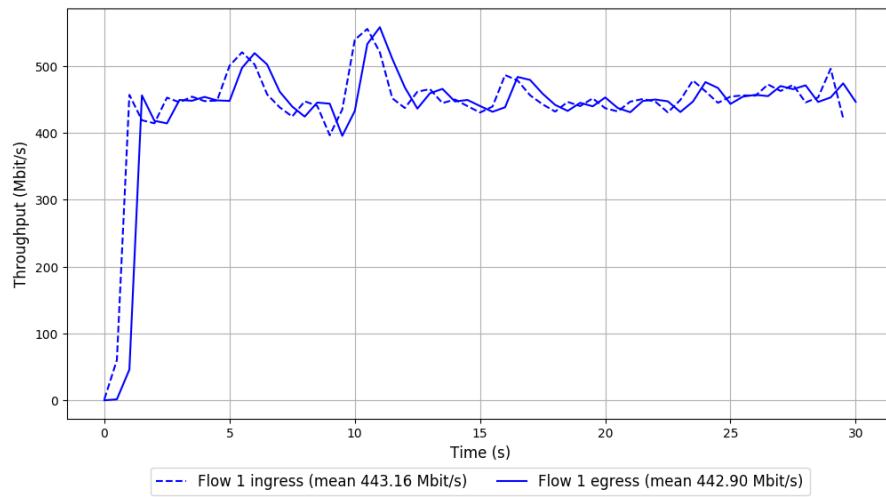


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-05-21 22:13:34
End at: 2018-05-21 22:14:04
Local clock offset: -0.981 ms
Remote clock offset: 2.582 ms

# Below is generated by plot.py at 2018-05-22 03:15:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 442.90 Mbit/s
95th percentile per-packet one-way delay: 22.196 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 442.90 Mbit/s
95th percentile per-packet one-way delay: 22.196 ms
Loss rate: 0.06%
```

Run 2: Report of PCC-Vivace — Data Link

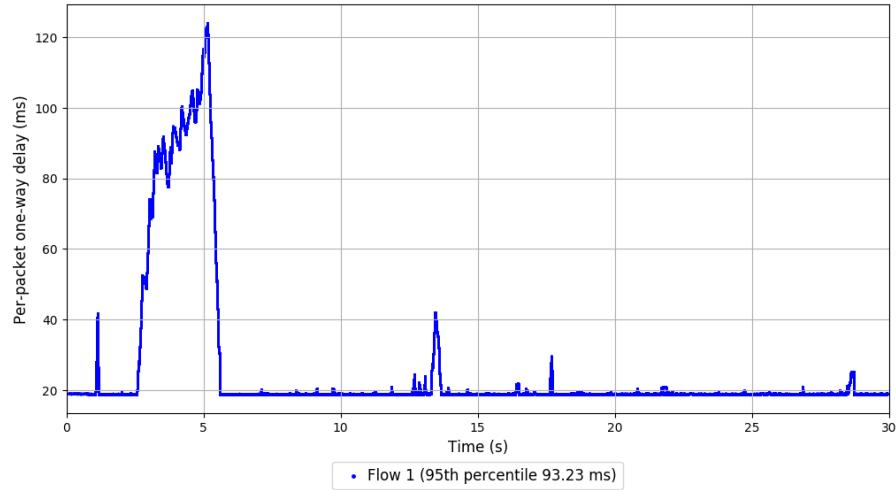
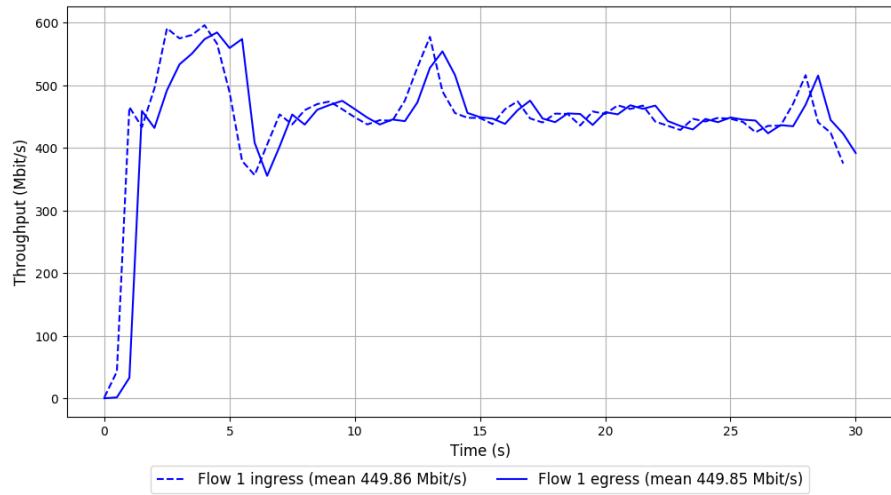


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-05-21 22:37:23
End at: 2018-05-21 22:37:53
Local clock offset: 1.101 ms
Remote clock offset: 1.116 ms

# Below is generated by plot.py at 2018-05-22 03:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 449.85 Mbit/s
95th percentile per-packet one-way delay: 93.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 449.85 Mbit/s
95th percentile per-packet one-way delay: 93.229 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

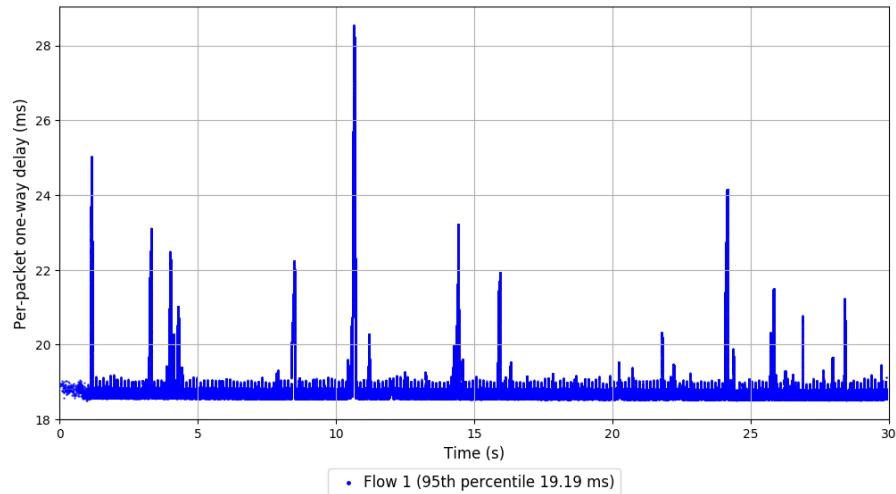
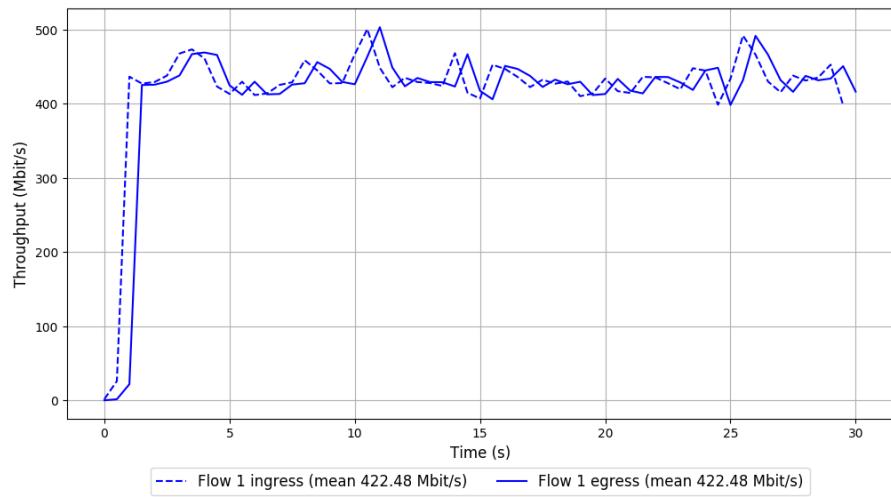


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-05-21 23:01:21
End at: 2018-05-21 23:01:51
Local clock offset: 1.076 ms
Remote clock offset: 0.604 ms

# Below is generated by plot.py at 2018-05-22 03:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 422.48 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 422.48 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

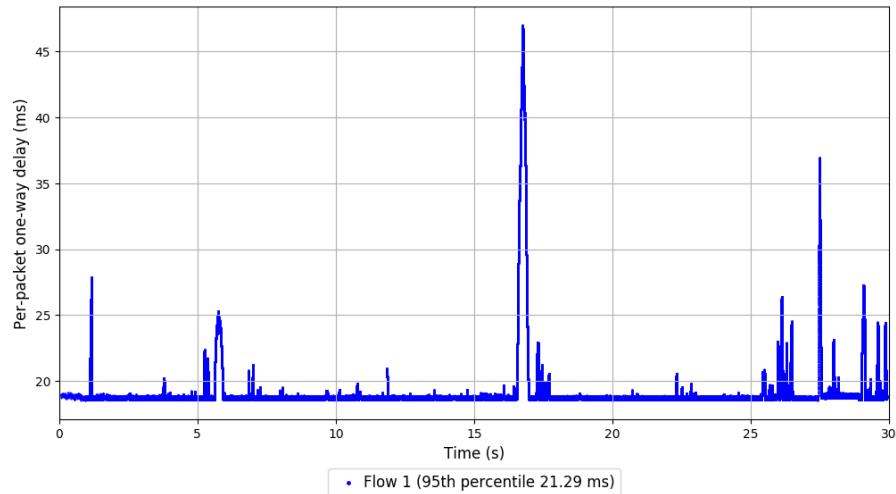
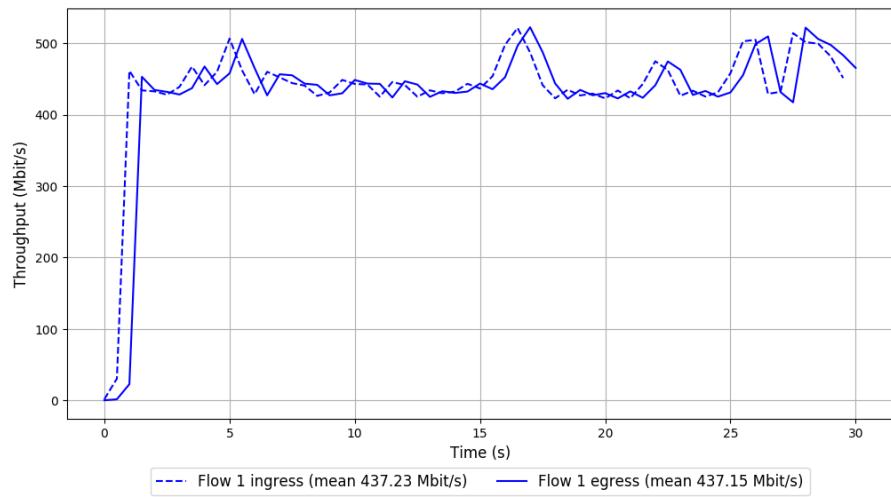


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-05-21 23:25:16
End at: 2018-05-21 23:25:46
Local clock offset: -0.7 ms
Remote clock offset: 0.26 ms

# Below is generated by plot.py at 2018-05-22 03:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 437.15 Mbit/s
95th percentile per-packet one-way delay: 21.288 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 437.15 Mbit/s
95th percentile per-packet one-way delay: 21.288 ms
Loss rate: 0.03%
```

Run 5: Report of PCC-Vivace — Data Link

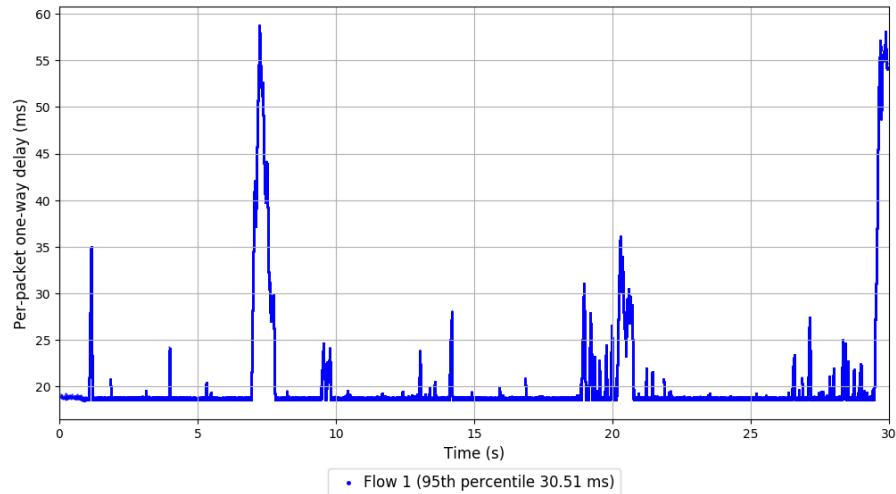
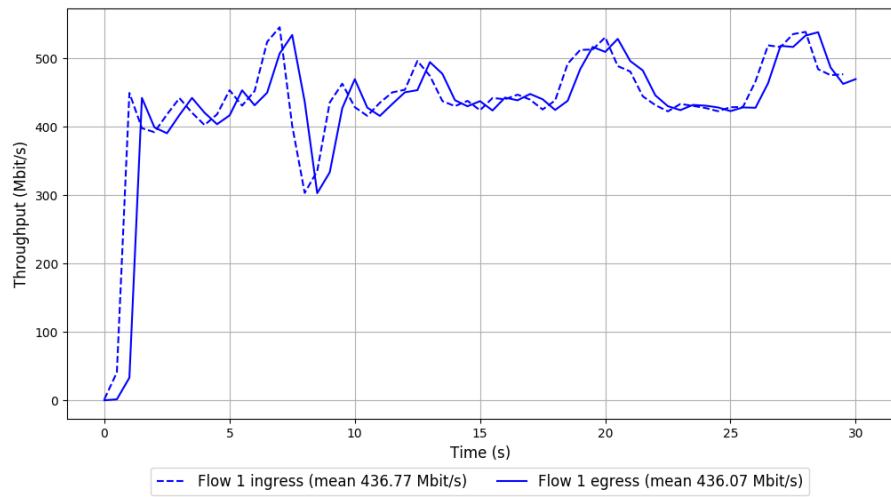


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-05-21 23:49:13
End at: 2018-05-21 23:49:43
Local clock offset: -0.275 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2018-05-22 03:17:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.07 Mbit/s
95th percentile per-packet one-way delay: 30.510 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 436.07 Mbit/s
95th percentile per-packet one-way delay: 30.510 ms
Loss rate: 0.16%
```

Run 6: Report of PCC-Vivace — Data Link

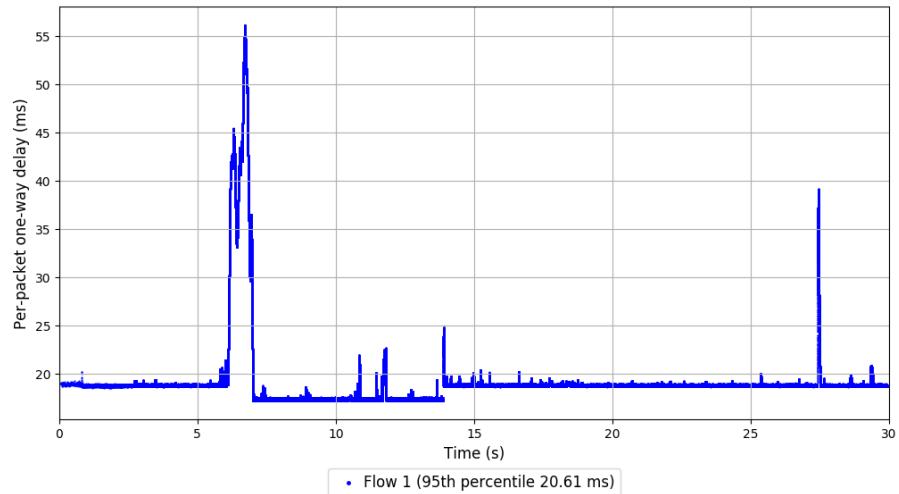
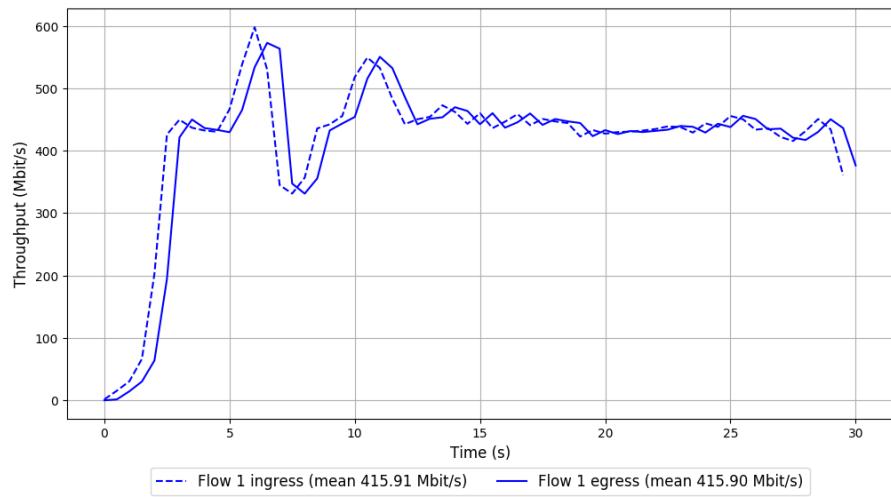


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-05-22 00:13:06
End at: 2018-05-22 00:13:36
Local clock offset: 0.133 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-05-22 03:17:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 415.90 Mbit/s
95th percentile per-packet one-way delay: 20.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 415.90 Mbit/s
95th percentile per-packet one-way delay: 20.609 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Vivace — Data Link

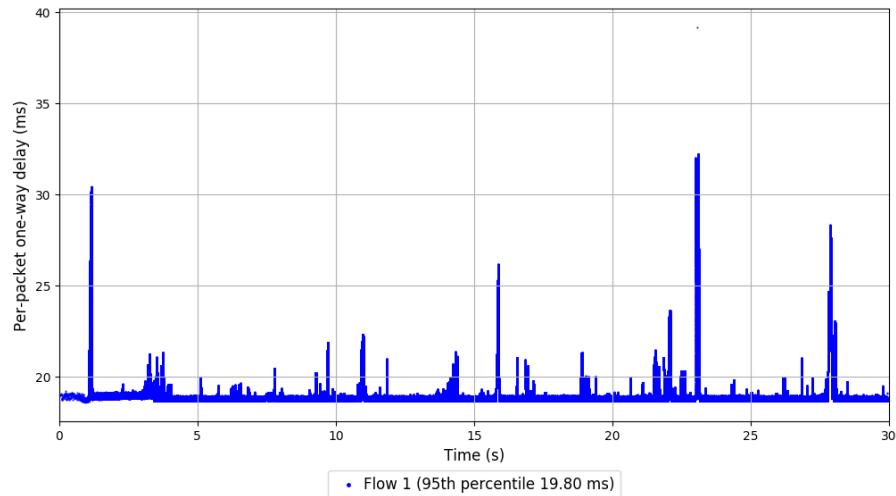
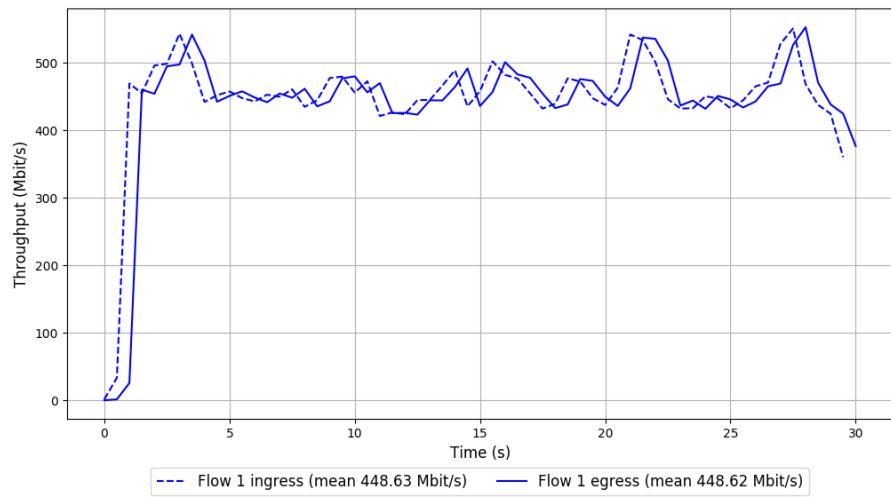


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-05-22 00:36:51
End at: 2018-05-22 00:37:21
Local clock offset: 0.202 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2018-05-22 03:17:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 448.62 Mbit/s
95th percentile per-packet one-way delay: 19.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 448.62 Mbit/s
95th percentile per-packet one-way delay: 19.804 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Vivace — Data Link

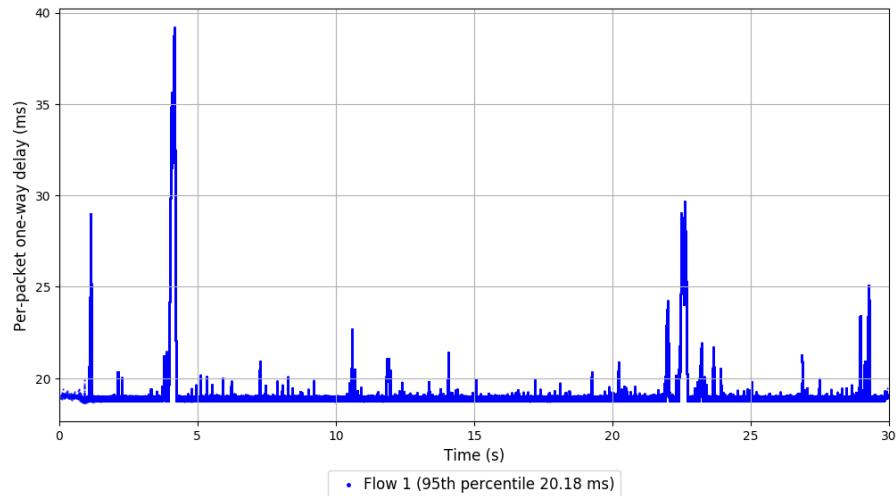
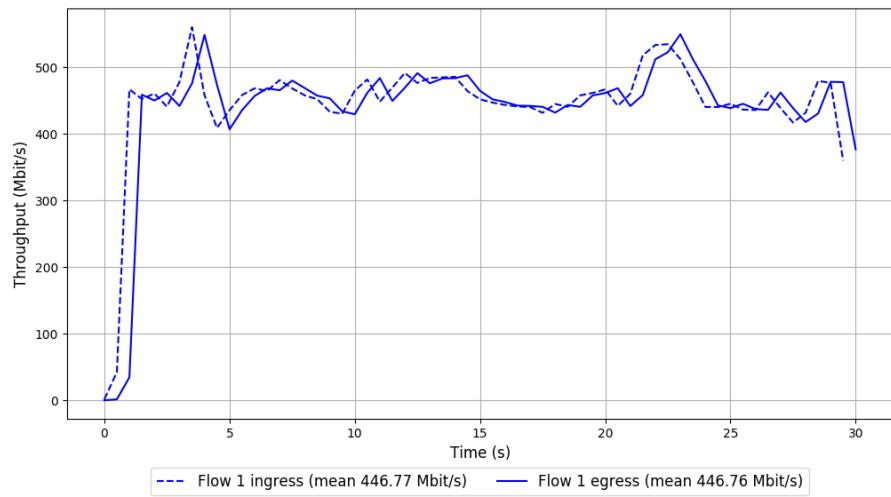


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-05-22 01:00:31
End at: 2018-05-22 01:01:01
Local clock offset: 0.042 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 446.76 Mbit/s
95th percentile per-packet one-way delay: 20.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 446.76 Mbit/s
95th percentile per-packet one-way delay: 20.180 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

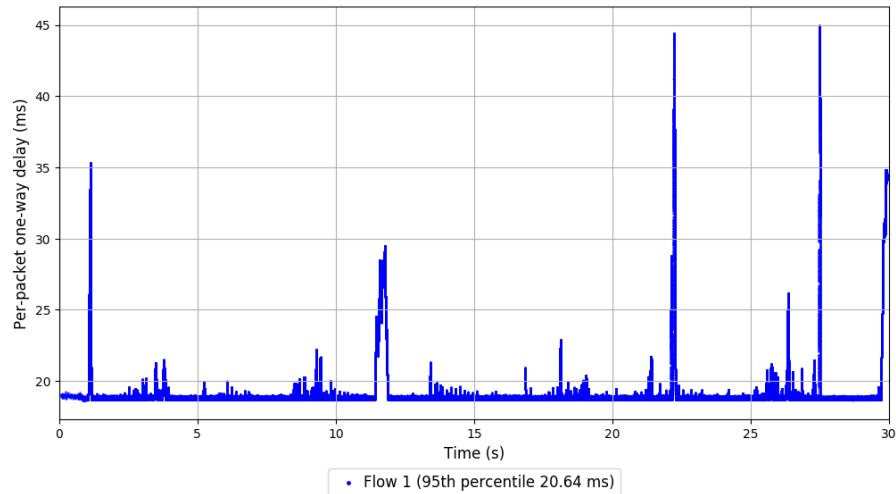
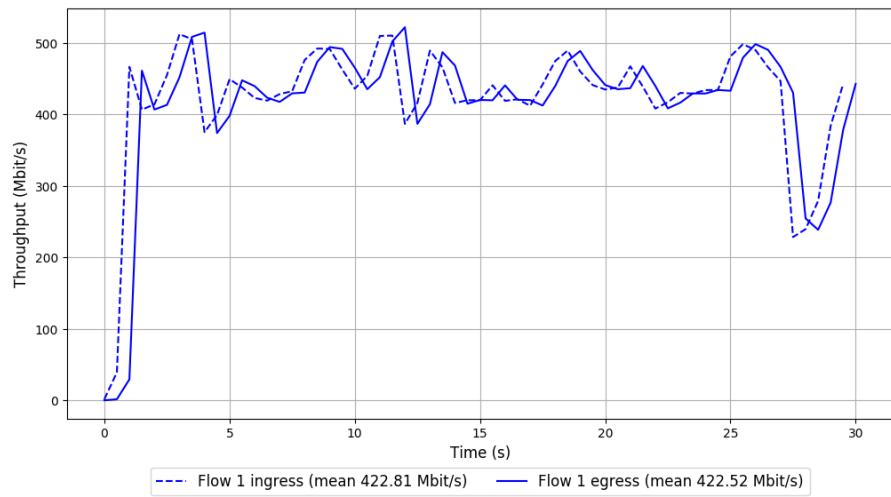


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-05-22 01:24:04
End at: 2018-05-22 01:24:34
Local clock offset: -0.073 ms
Remote clock offset: 0.118 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 422.52 Mbit/s
95th percentile per-packet one-way delay: 20.638 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 422.52 Mbit/s
95th percentile per-packet one-way delay: 20.638 ms
Loss rate: 0.07%
```

Run 10: Report of PCC-Vivace — Data Link

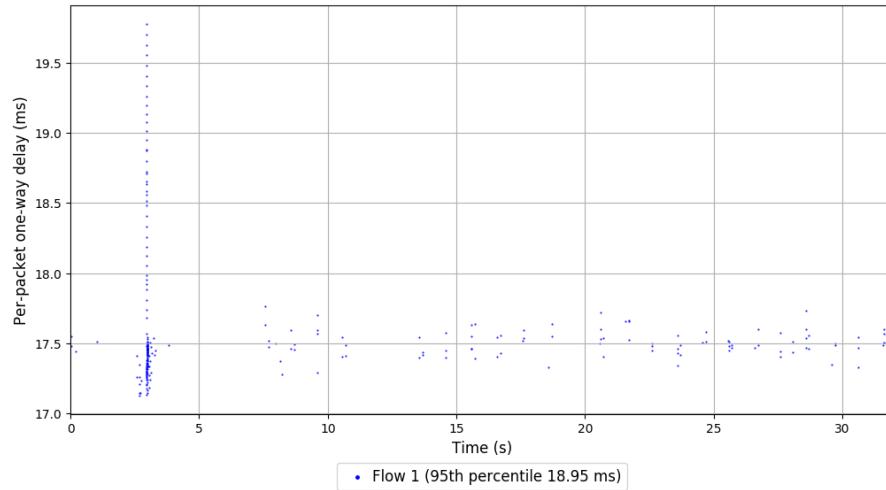
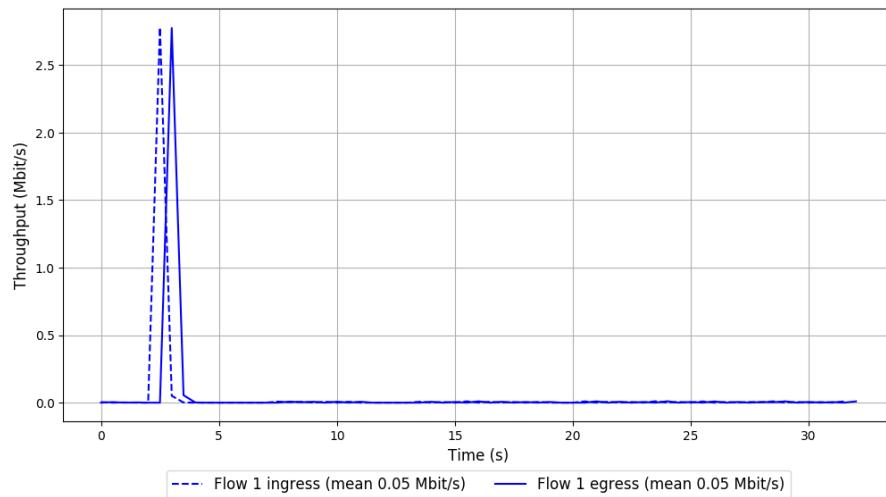


```
Run 1: Statistics of WebRTC media

Start at: 2018-05-21 21:48:12
End at: 2018-05-21 21:48:42
Local clock offset: -2.0 ms
Remote clock offset: 3.409 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.947 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

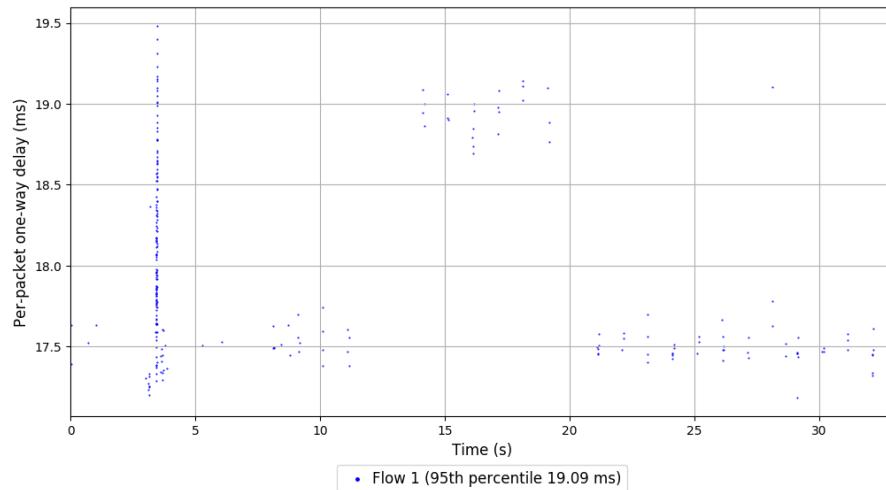
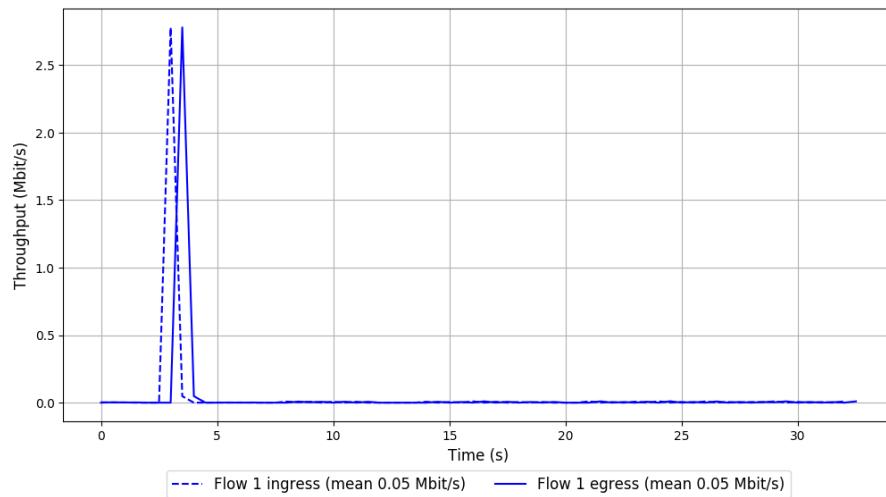


Run 2: Statistics of WebRTC media

```
Start at: 2018-05-21 22:12:16
End at: 2018-05-21 22:12:46
Local clock offset: -0.986 ms
Remote clock offset: 2.603 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

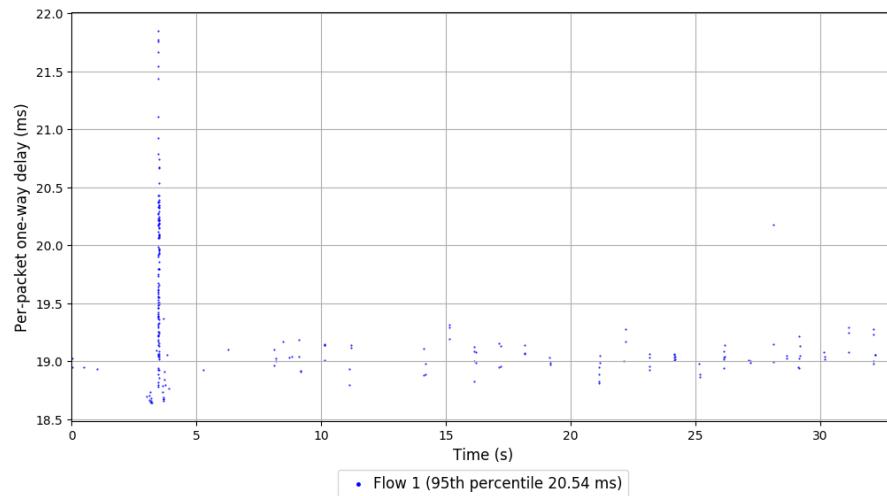
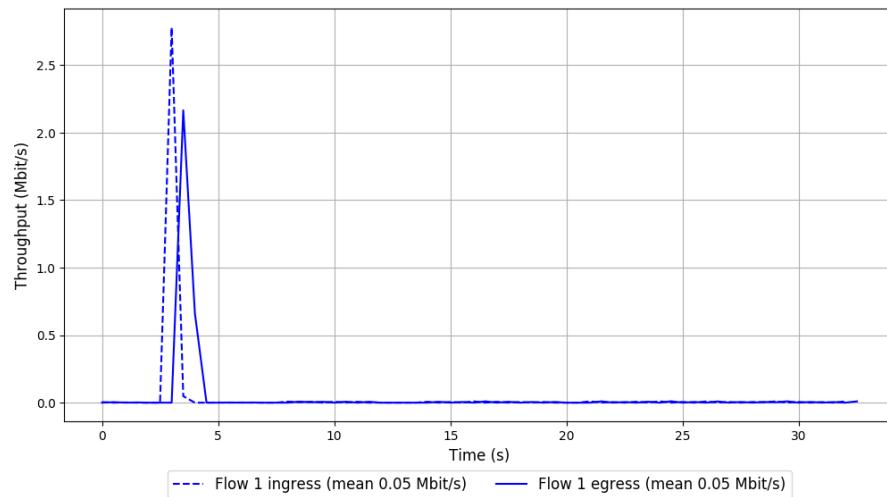


Run 3: Statistics of WebRTC media

```
Start at: 2018-05-21 22:36:05
End at: 2018-05-21 22:36:35
Local clock offset: 0.917 ms
Remote clock offset: 1.047 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.537 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

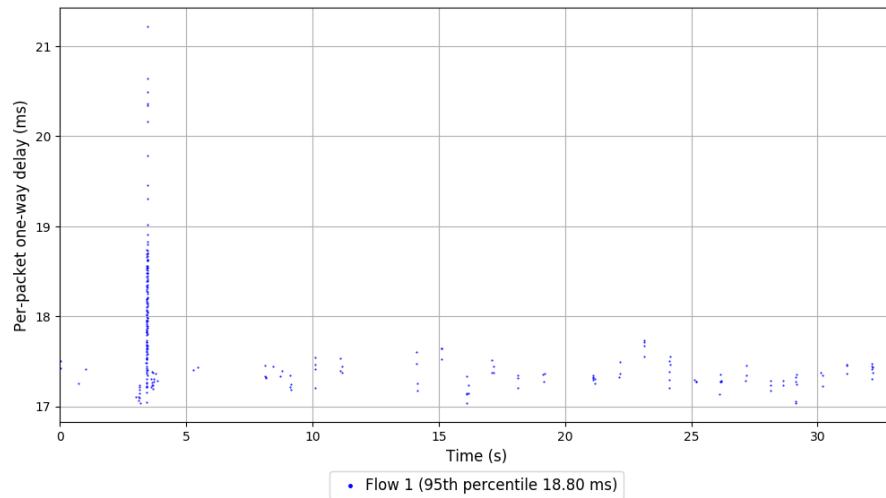
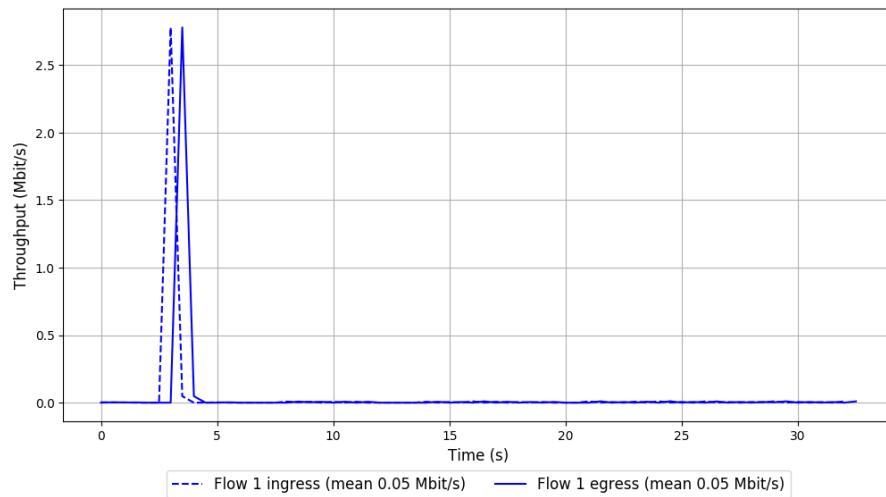


Run 4: Statistics of WebRTC media

```
Start at: 2018-05-21 23:00:03
End at: 2018-05-21 23:00:33
Local clock offset: 1.278 ms
Remote clock offset: 0.656 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.795 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

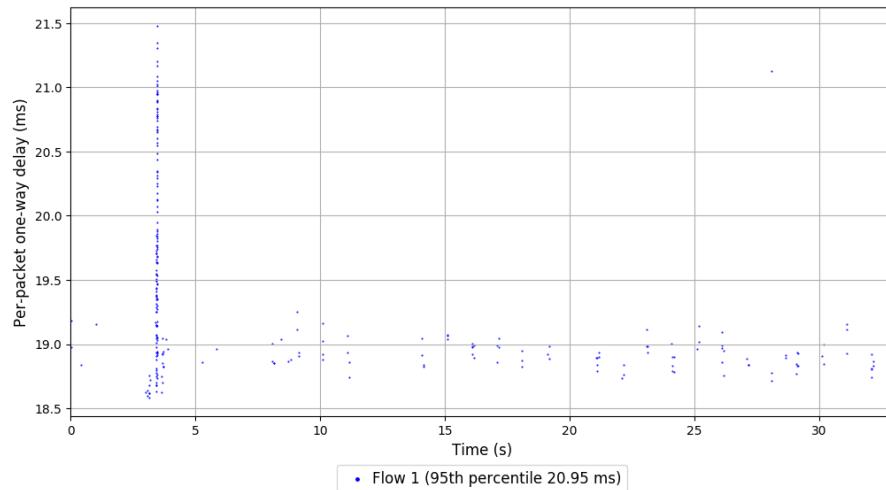
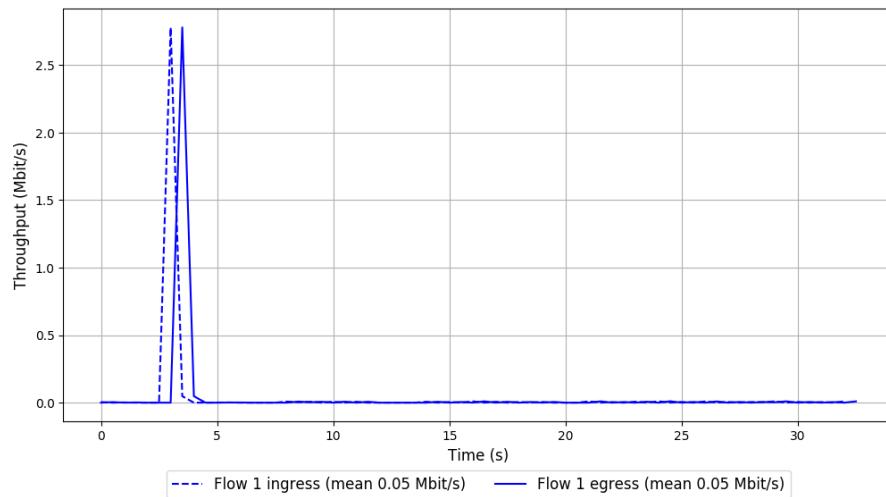


```
Run 5: Statistics of WebRTC media

Start at: 2018-05-21 23:23:59
End at: 2018-05-21 23:24:29
Local clock offset: -0.627 ms
Remote clock offset: 0.365 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.951 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

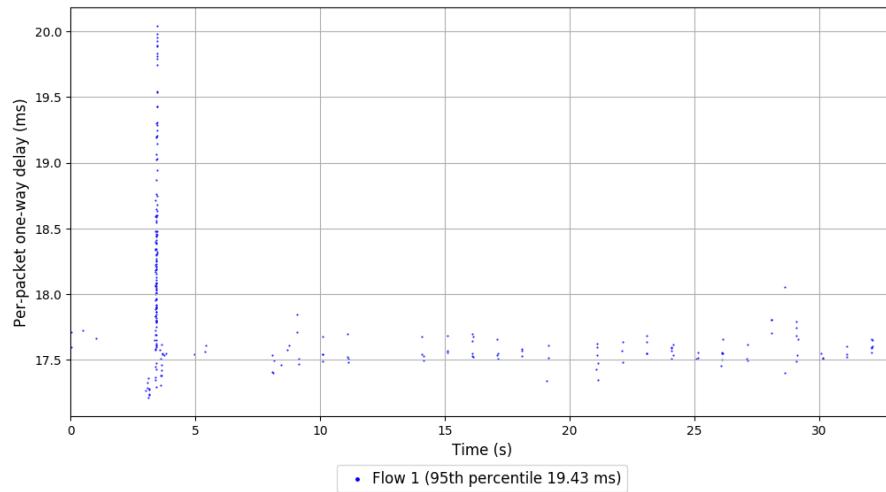
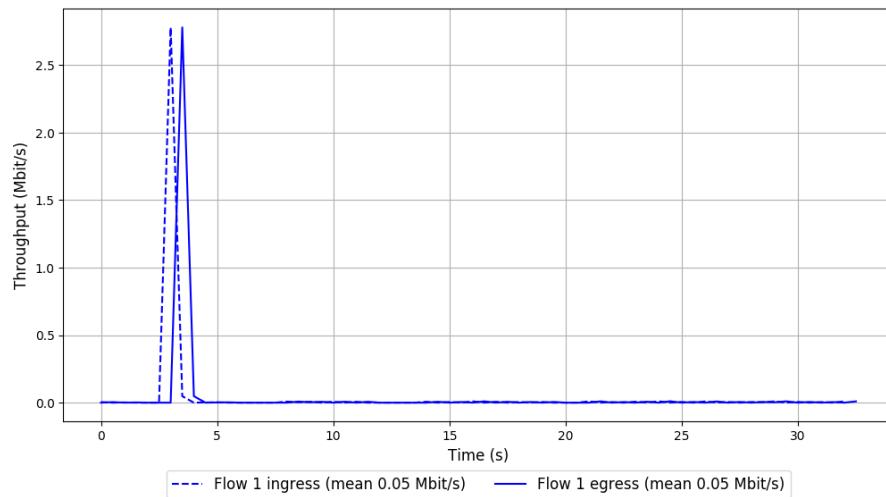


Run 6: Statistics of WebRTC media

```
Start at: 2018-05-21 23:47:55
End at: 2018-05-21 23:48:25
Local clock offset: -0.369 ms
Remote clock offset: 0.062 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

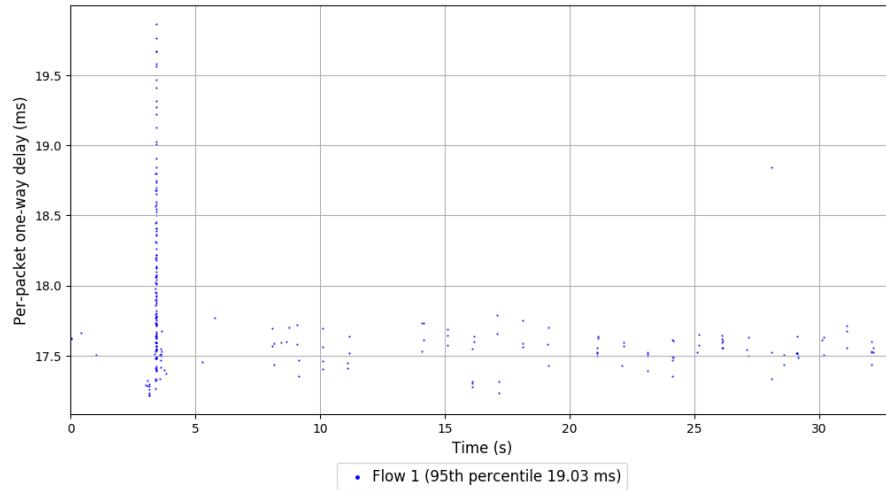
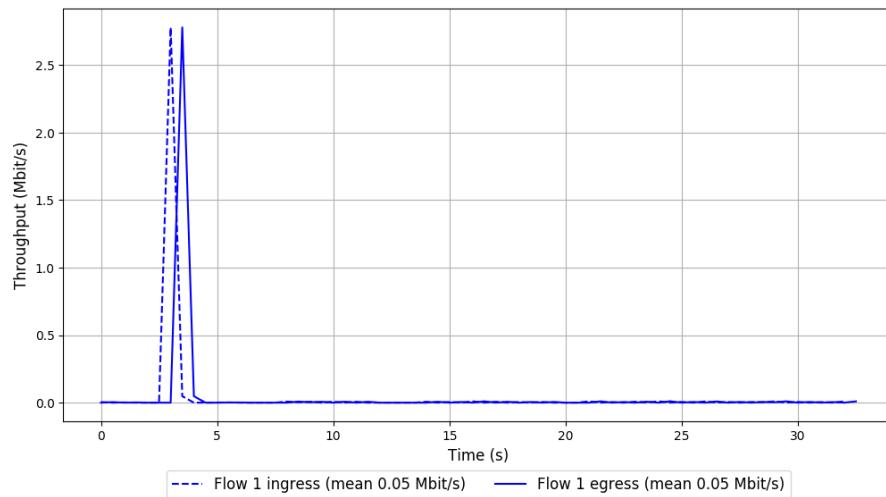


Run 7: Statistics of WebRTC media

```
Start at: 2018-05-22 00:11:49
End at: 2018-05-22 00:12:19
Local clock offset: 0.033 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

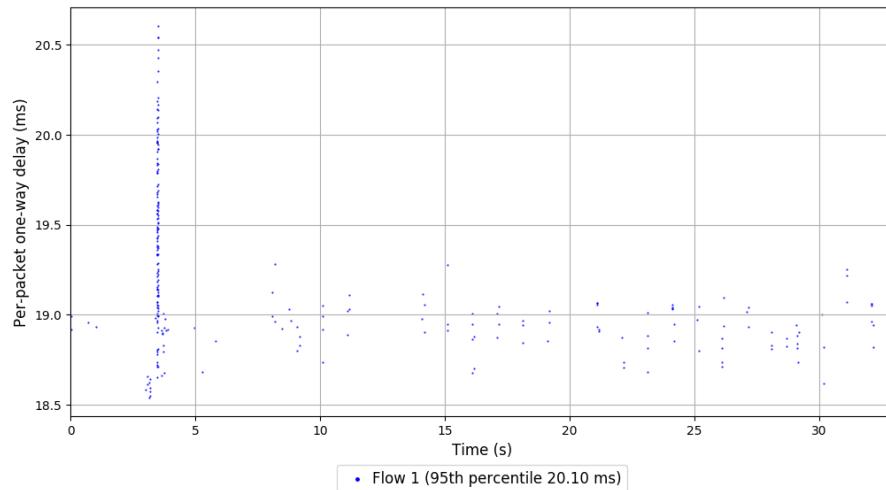
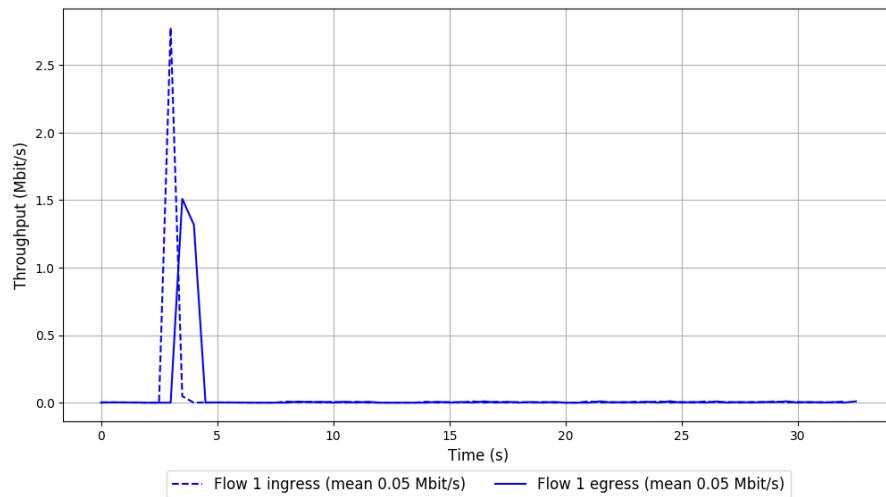


Run 8: Statistics of WebRTC media

```
Start at: 2018-05-22 00:35:34
End at: 2018-05-22 00:36:04
Local clock offset: 0.197 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.099 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

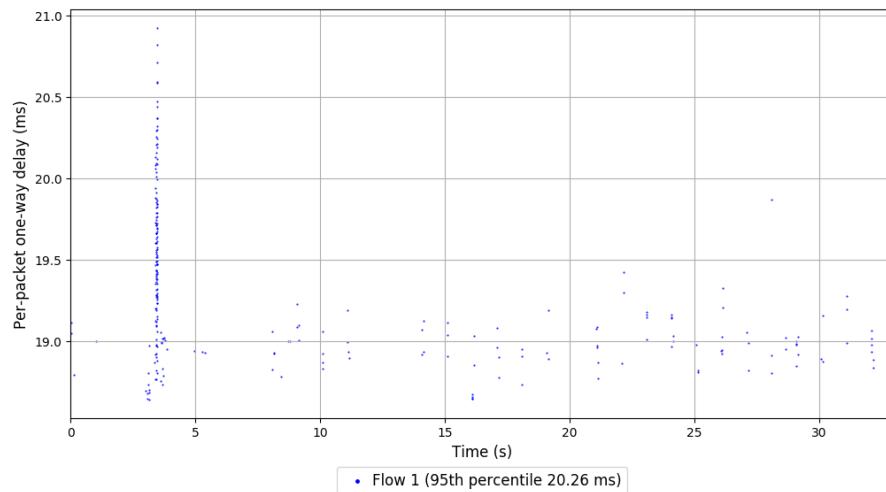
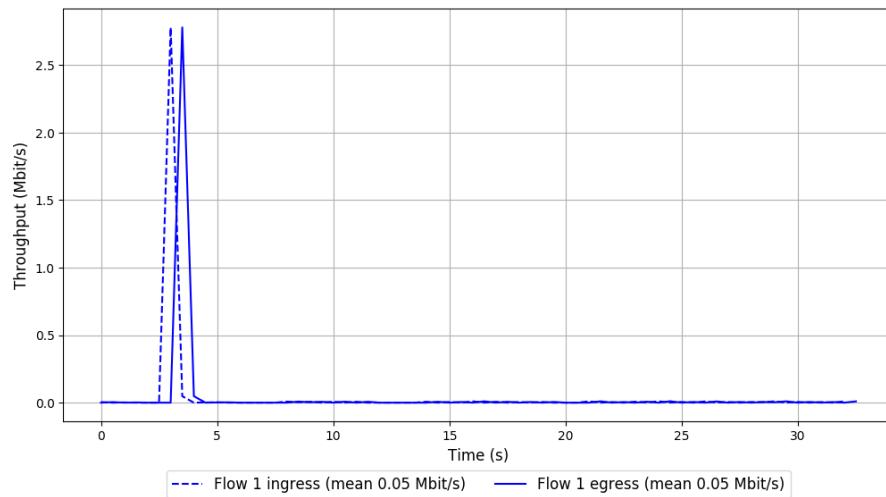


```
Run 9: Statistics of WebRTC media

Start at: 2018-05-22 00:59:14
End at: 2018-05-22 00:59:44
Local clock offset: 0.056 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.258 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-05-22 01:22:47
End at: 2018-05-22 01:23:17
Local clock offset: 0.018 ms
Remote clock offset: 0.171 ms

# Below is generated by plot.py at 2018-05-22 03:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.057 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

