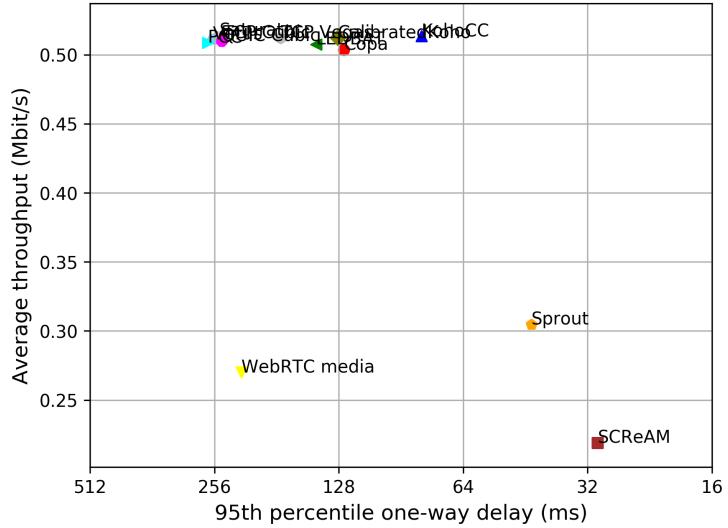


Pantheon Report

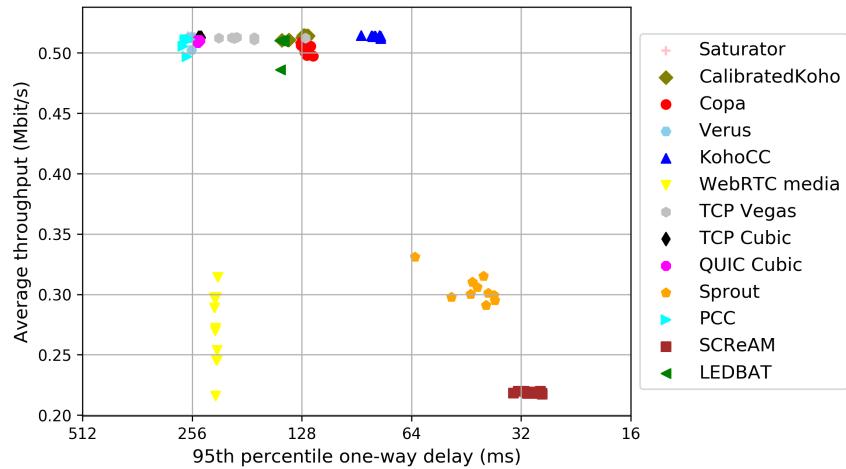
Generated at 2017-08-21 23:39:17 (UTC).
Data path: AWS India 2 Ethernet (*local*) → Nepal Ethernet (*remote*).
Repeated the test of 14 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

```
Git summary:  
branch: master @ e43be7582298d552838afcfc6382342bf187fbbd6  
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50  
  M datagrump/sender.cc  
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725  
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681  
  M datagrump/sender.cc  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7  
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4  
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885  
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681  
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce  
  M src/examples/cellsim.cc  
  M src/examples/sproutbt2.cc  
  M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
  M src/verus.hpp  
  M tools/plot.py  
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS India 2 Ethernet to Nepal Ethernet, 10 runs of 30s each per scheme



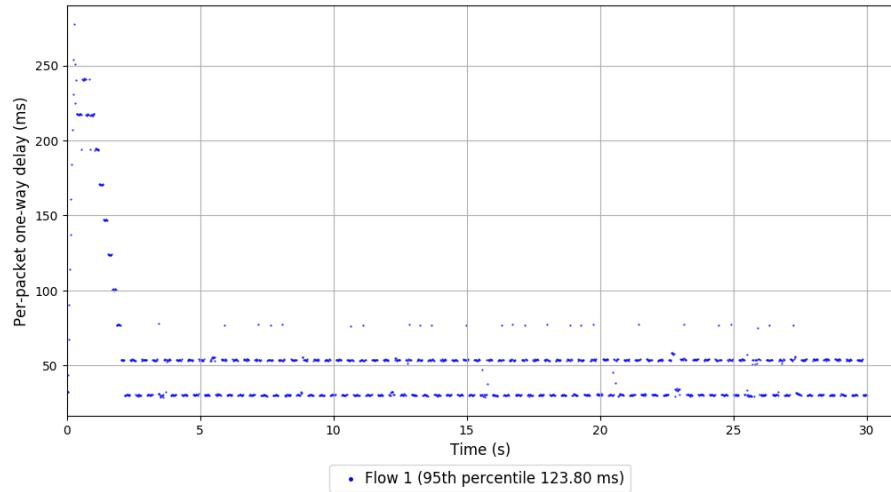
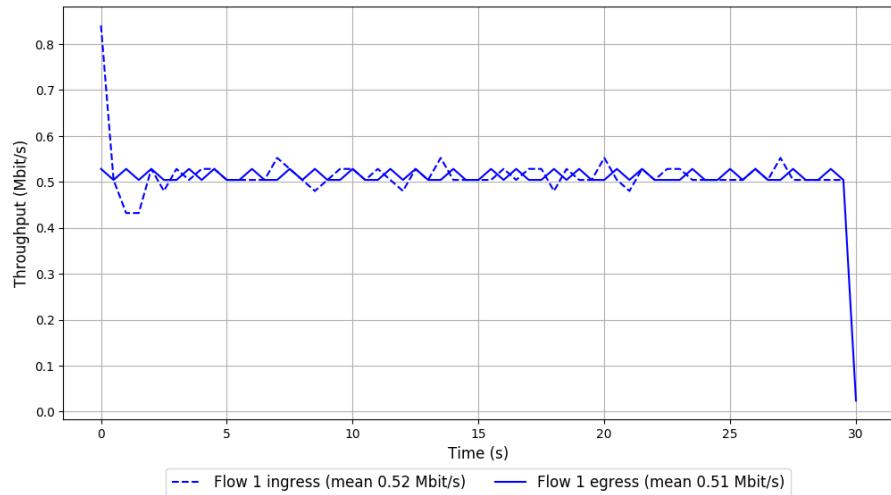
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
CalibratedKoho	10	0.51	128.70	0.31
Copa	10	0.51	124.48	0.79
TCP Cubic	4	0.51	243.90	2.70
KohoCC	10	0.51	80.73	0.32
LEDBAT	10	0.51	145.31	0.02
PCC	10	0.51	265.39	78.51
QUIC Cubic	10	0.51	245.99	15.09
Saturator	10	0.51	249.21	49.88
SCReAM	10	0.22	30.30	0.03
Sprout	10	0.31	43.81	0.18
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	10	0.51	176.89	1.01
Verus	10	0.51	258.23	20.21
WebRTC media	10	0.27	220.36	15.61

```
Run 1: Statistics of CalibratedKoho

Start at: 2017-08-21 20:43:18
End at: 2017-08-21 20:43:48
Local clock offset: 2.566 ms
Remote clock offset: 7.159 ms

# Below is generated by plot.py at 2017-08-21 23:37:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 123.797 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 123.797 ms
Loss rate: 0.31%
```

Run 1: Report of CalibratedKoho — Data Link

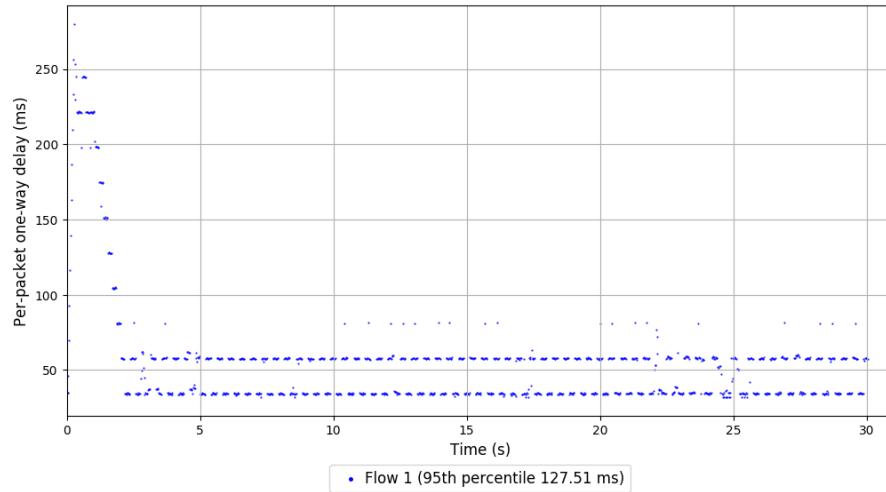
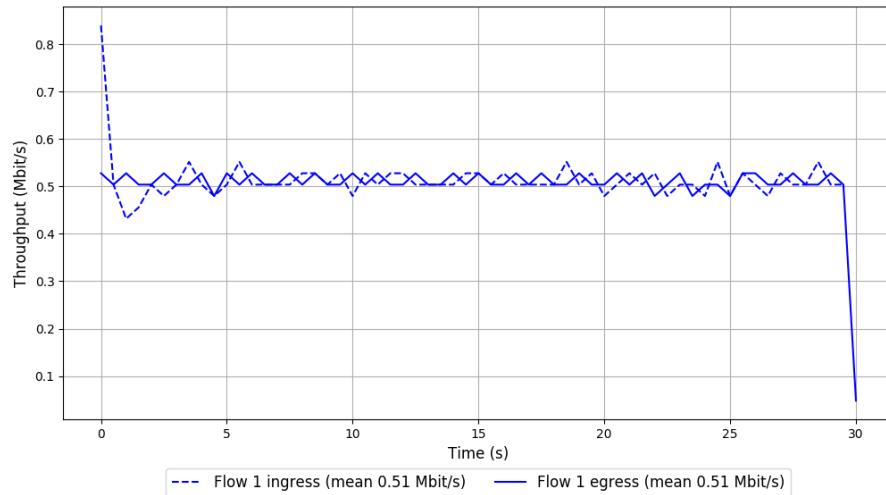


```
Run 2: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 21:00:41
End at: 2017-08-21 21:01:11
Local clock offset: -1.007 ms
Remote clock offset: 6.478 ms

# Below is generated by plot.py at 2017-08-21 23:37:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 127.507 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 127.507 ms
Loss rate: 0.31%
```

Run 2: Report of CalibratedKoho — Data Link

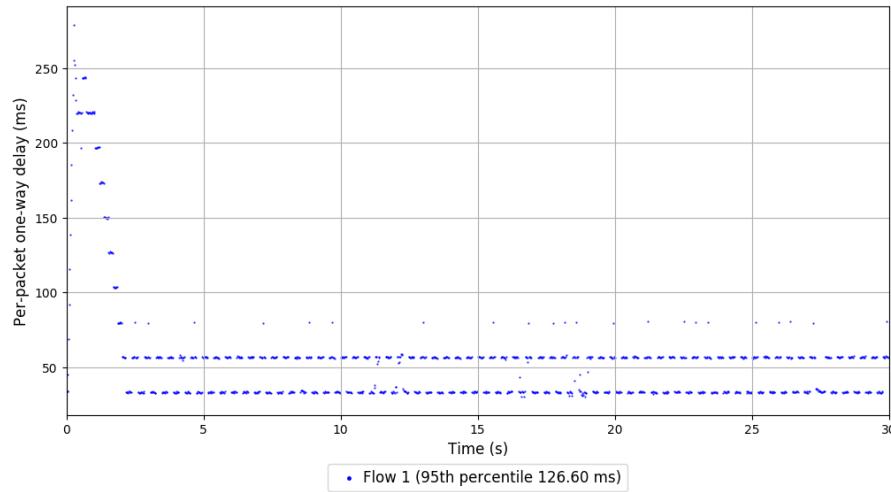
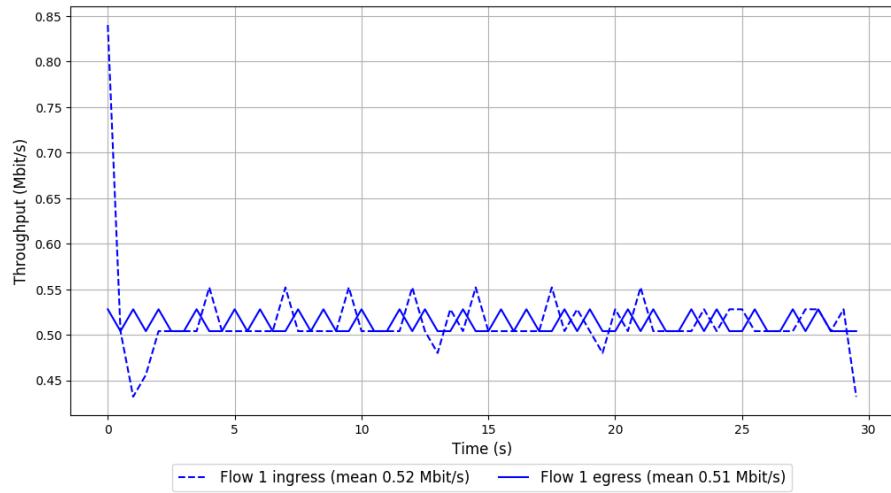


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 21:18:06
End at: 2017-08-21 21:18:36
Local clock offset: -1.569 ms
Remote clock offset: 7.063 ms

# Below is generated by plot.py at 2017-08-21 23:38:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 126.601 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 126.601 ms
Loss rate: 0.31%
```

Run 3: Report of CalibratedKoho — Data Link

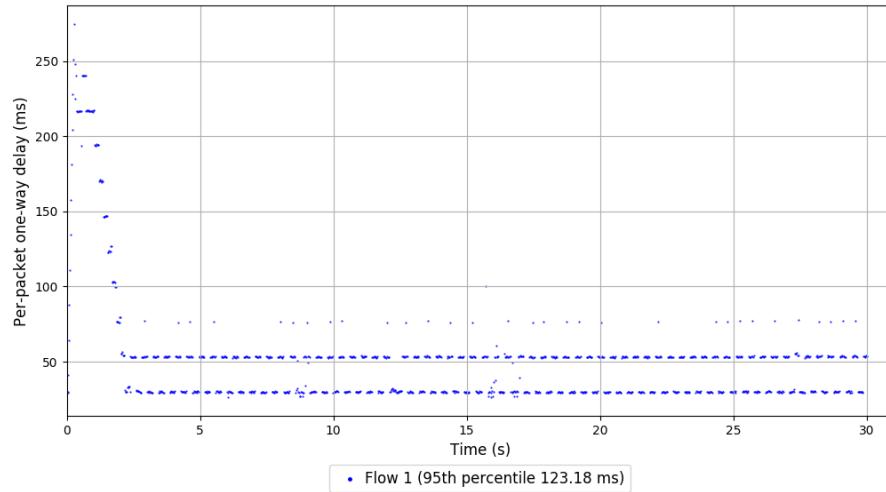
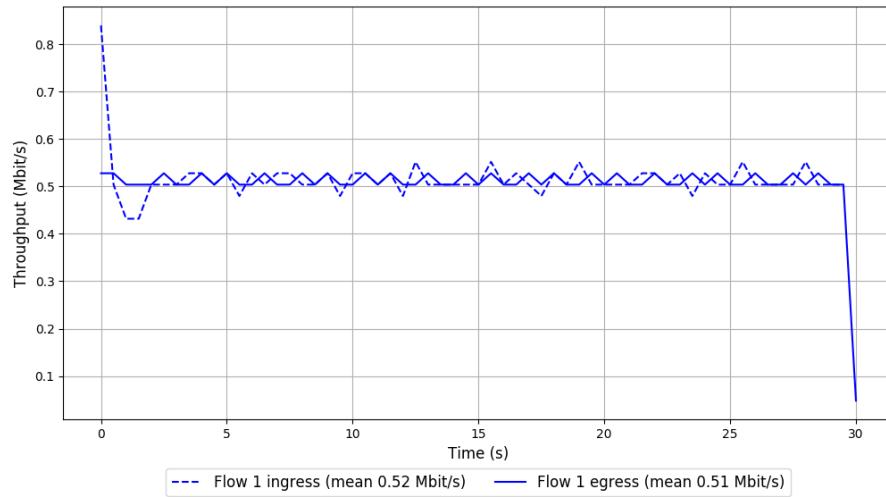


Run 4: Statistics of CalibratedKoho

```
Start at: 2017-08-21 21:35:28
End at: 2017-08-21 21:35:58
Local clock offset: 2.446 ms
Remote clock offset: 7.076 ms

# Below is generated by plot.py at 2017-08-21 23:38:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 123.177 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 123.177 ms
Loss rate: 0.31%
```

Run 4: Report of CalibratedKoho — Data Link

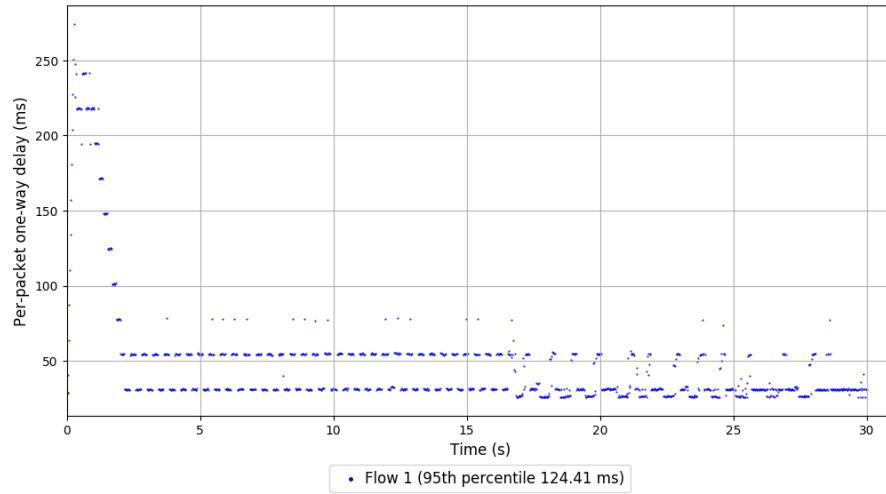
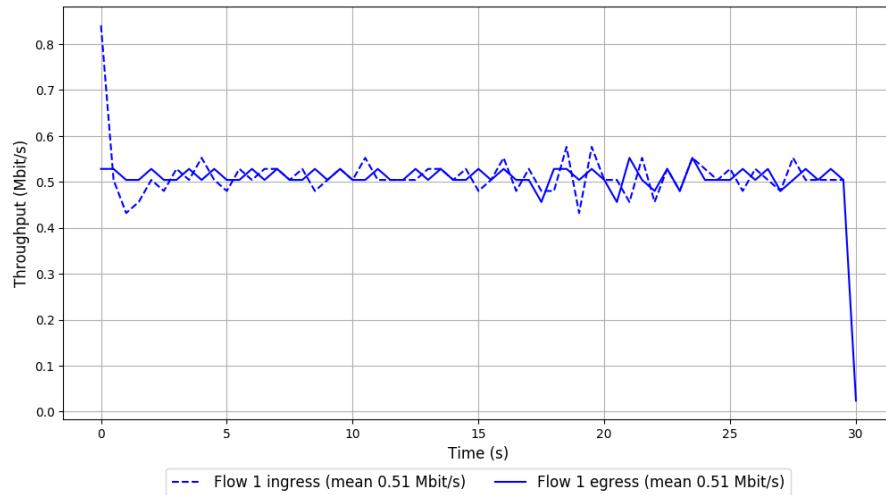


Run 5: Statistics of CalibratedKoho

```
Start at: 2017-08-21 21:52:53
End at: 2017-08-21 21:53:23
Local clock offset: 2.481 ms
Remote clock offset: 7.087 ms

# Below is generated by plot.py at 2017-08-21 23:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 124.405 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 124.405 ms
Loss rate: 0.31%
```

Run 5: Report of CalibratedKoho — Data Link

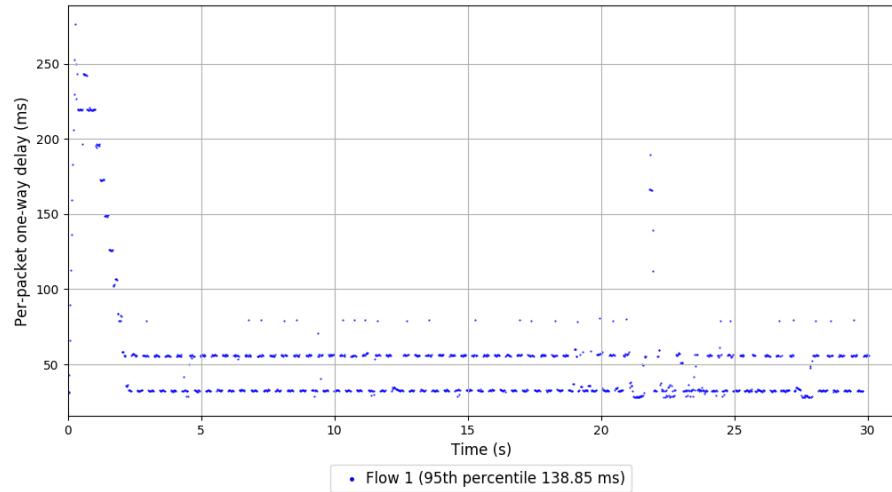
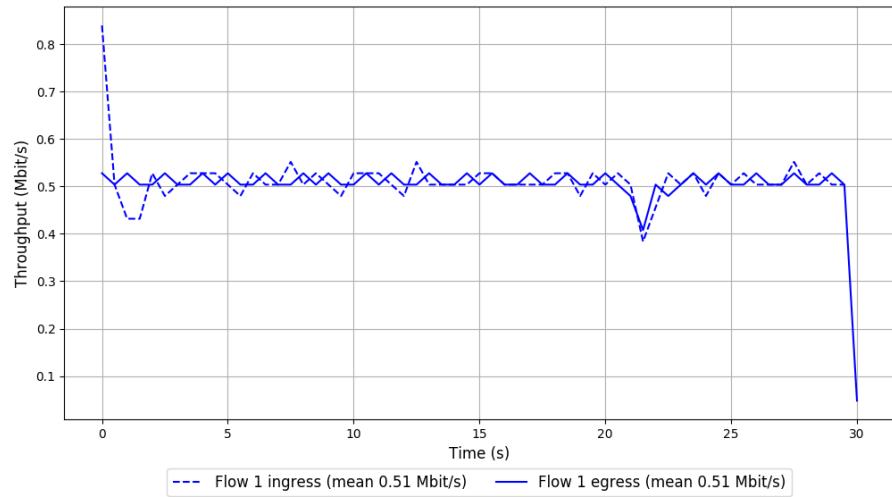


```
Run 6: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 22:10:16
End at: 2017-08-21 22:10:46
Local clock offset: 1.389 ms
Remote clock offset: 7.749 ms

# Below is generated by plot.py at 2017-08-21 23:38:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 138.849 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 138.849 ms
Loss rate: 0.31%
```

Run 6: Report of CalibratedKoho — Data Link



```
Run 7: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 22:27:41
```

```
End at: 2017-08-21 22:28:11
```

```
Local clock offset: 0.222 ms
```

```
Remote clock offset: 7.019 ms
```

```
# Below is generated by plot.py at 2017-08-21 23:38:02
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 0.51 Mbit/s
```

```
95th percentile per-packet one-way delay: 145.155 ms
```

```
Loss rate: 0.31%
```

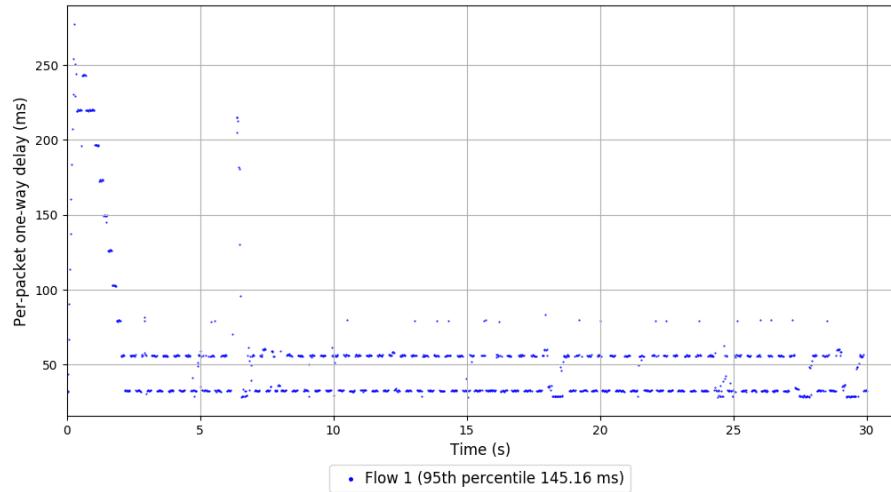
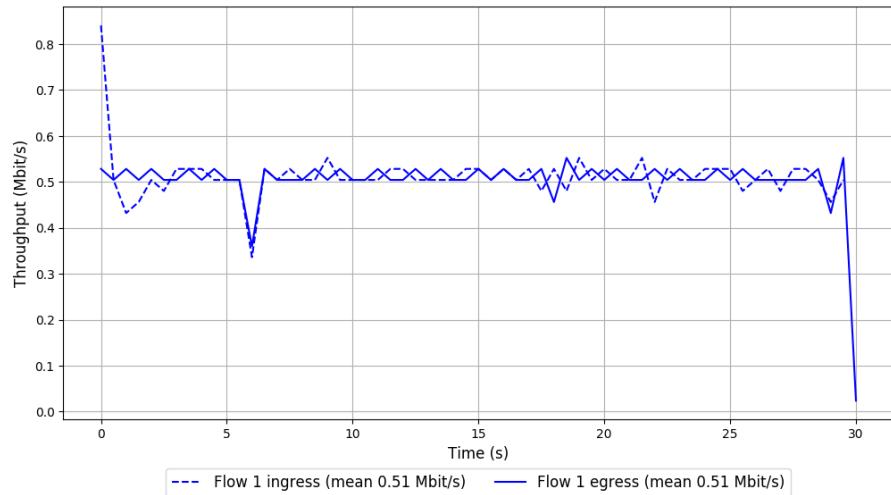
```
-- Flow 1:
```

```
Average throughput: 0.51 Mbit/s
```

```
95th percentile per-packet one-way delay: 145.155 ms
```

```
Loss rate: 0.31%
```

Run 7: Report of CalibratedKoho — Data Link

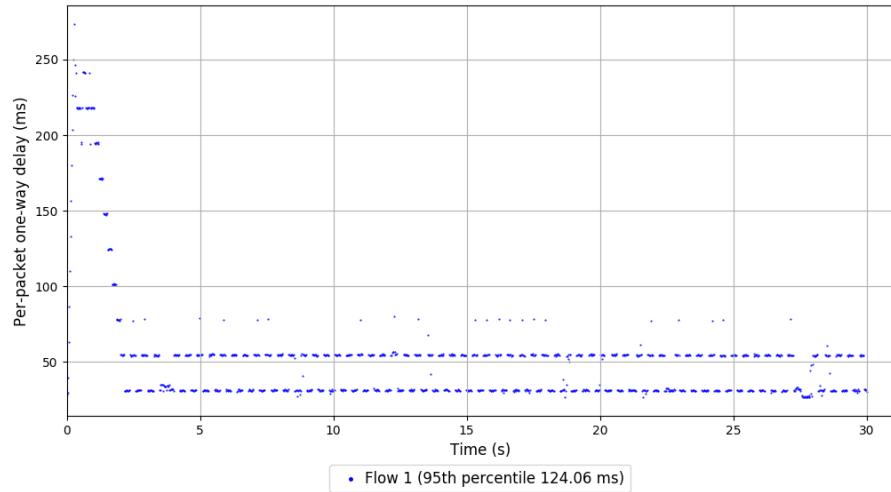
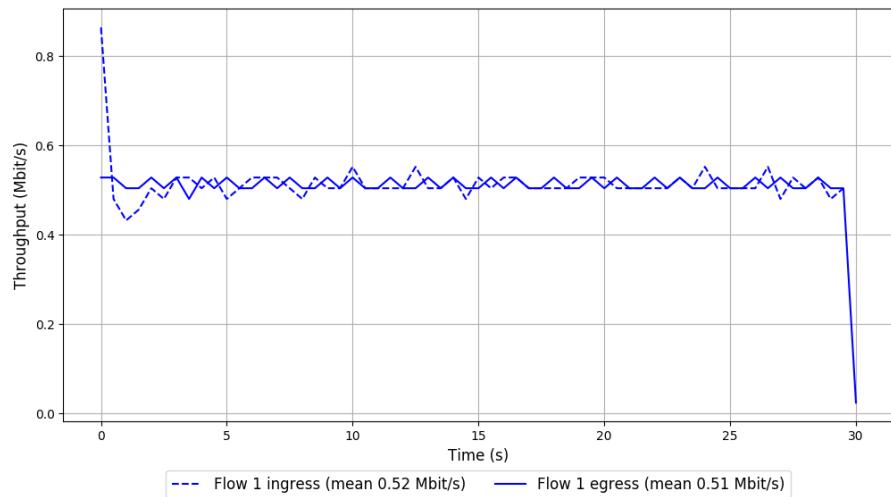


```
Run 8: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 22:45:11
End at: 2017-08-21 22:45:41
Local clock offset: 1.716 ms
Remote clock offset: 7.017 ms

# Below is generated by plot.py at 2017-08-21 23:38:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 124.062 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 124.062 ms
Loss rate: 0.31%
```

Run 8: Report of CalibratedKoho — Data Link

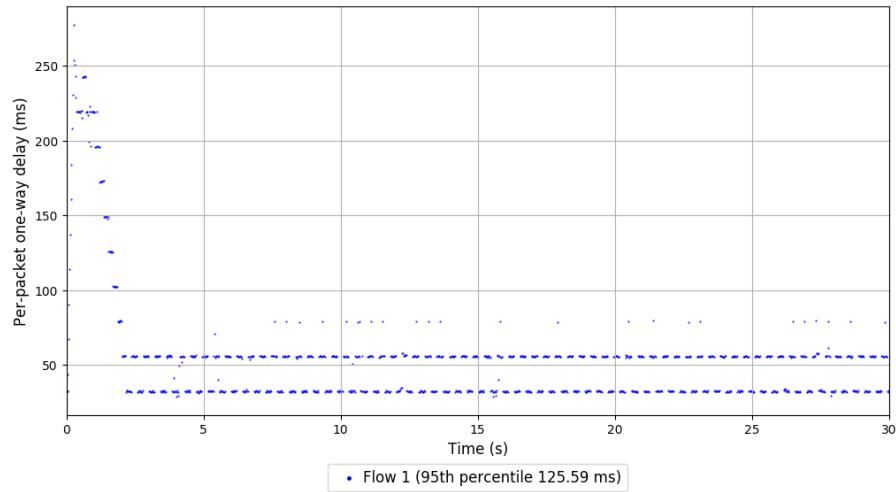
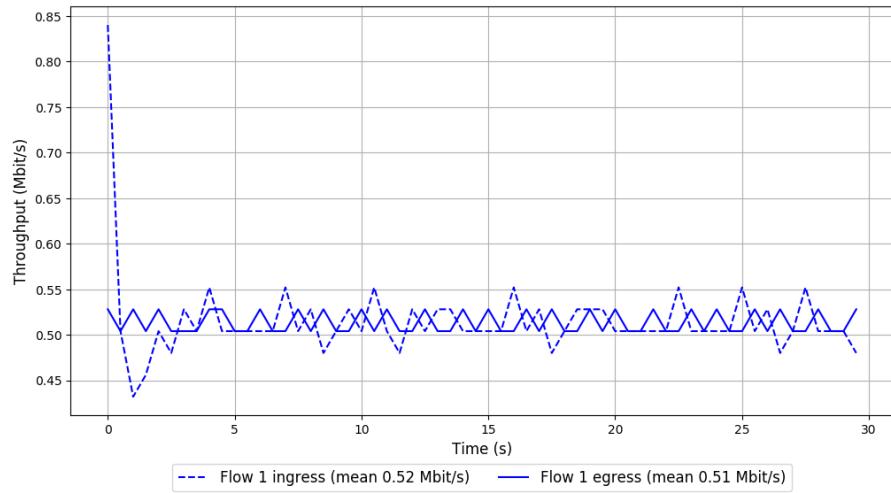


```
Run 9: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 23:02:46
End at: 2017-08-21 23:03:16
Local clock offset: -0.377 ms
Remote clock offset: 7.559 ms

# Below is generated by plot.py at 2017-08-21 23:38:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 125.589 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 125.589 ms
Loss rate: 0.31%
```

Run 9: Report of CalibratedKoho — Data Link



```
Run 10: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 23:20:12
```

```
End at: 2017-08-21 23:20:42
```

```
Local clock offset: -2.895 ms
```

```
Remote clock offset: 5.907 ms
```

```
# Below is generated by plot.py at 2017-08-21 23:38:04
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 0.51 Mbit/s
```

```
95th percentile per-packet one-way delay: 127.874 ms
```

```
Loss rate: 0.31%
```

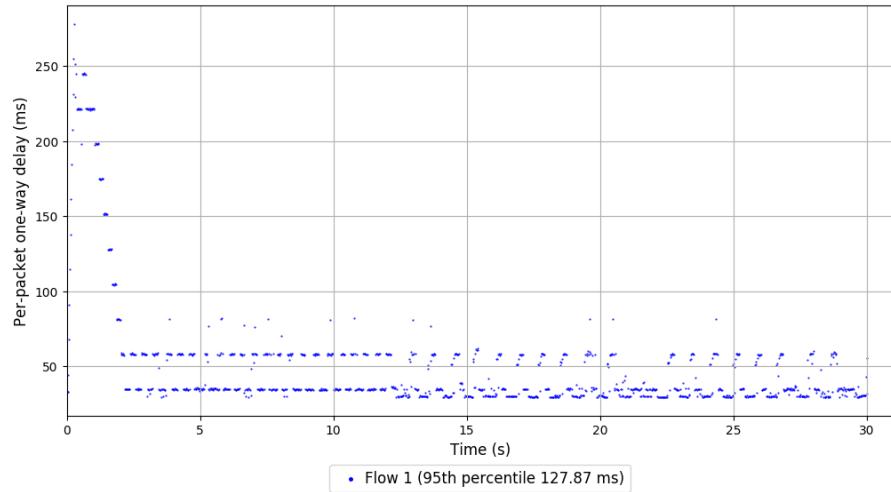
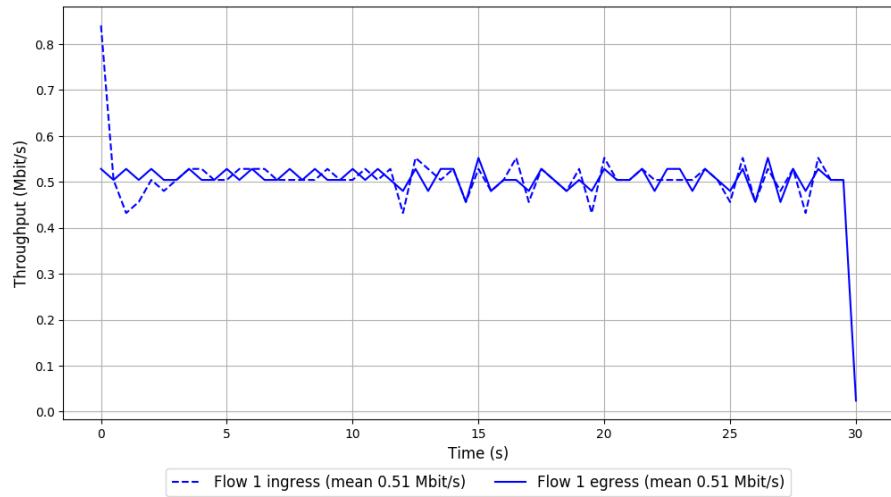
```
-- Flow 1:
```

```
Average throughput: 0.51 Mbit/s
```

```
95th percentile per-packet one-way delay: 127.874 ms
```

```
Loss rate: 0.31%
```

Run 10: Report of CalibratedKoho — Data Link

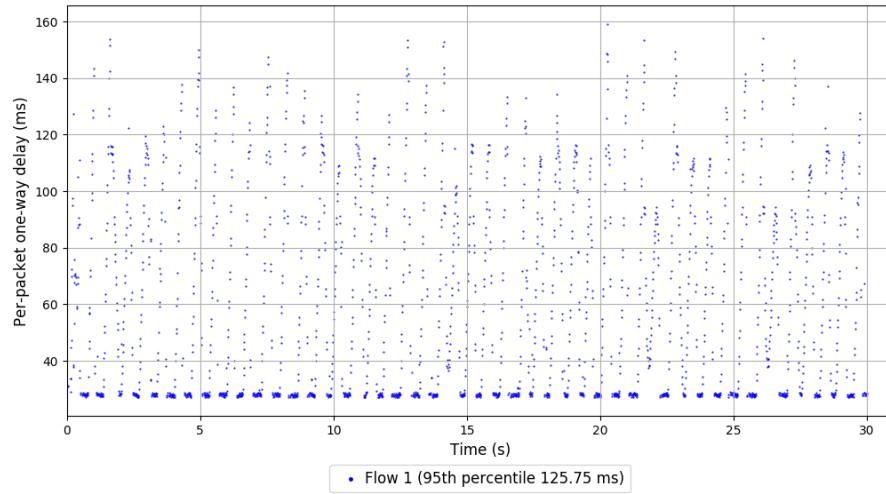
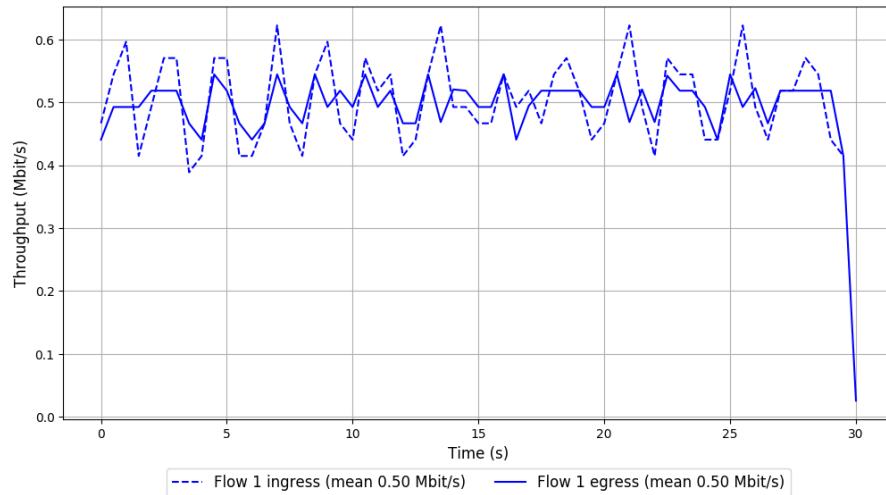


Run 1: Statistics of Copa

```
Start at: 2017-08-21 20:49:27
End at: 2017-08-21 20:49:57
Local clock offset: 2.328 ms
Remote clock offset: 7.89 ms

# Below is generated by plot.py at 2017-08-21 23:38:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 125.754 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 125.754 ms
Loss rate: 0.90%
```

Run 1: Report of Copa — Data Link

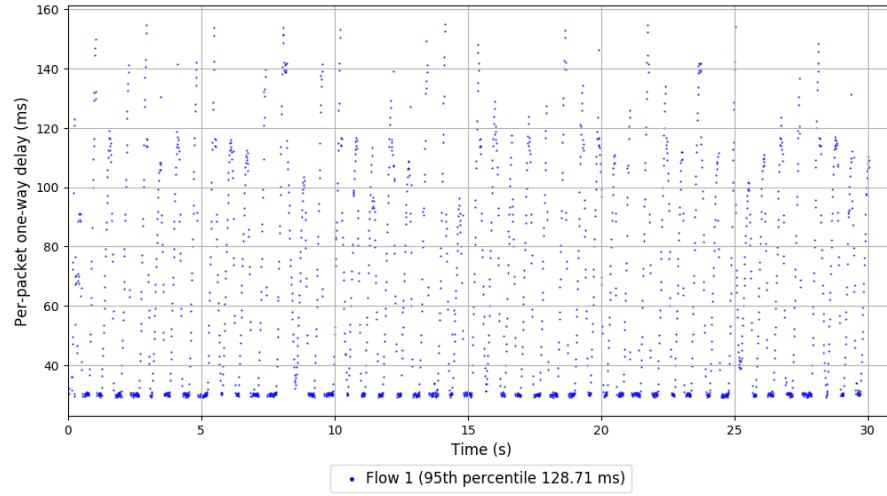
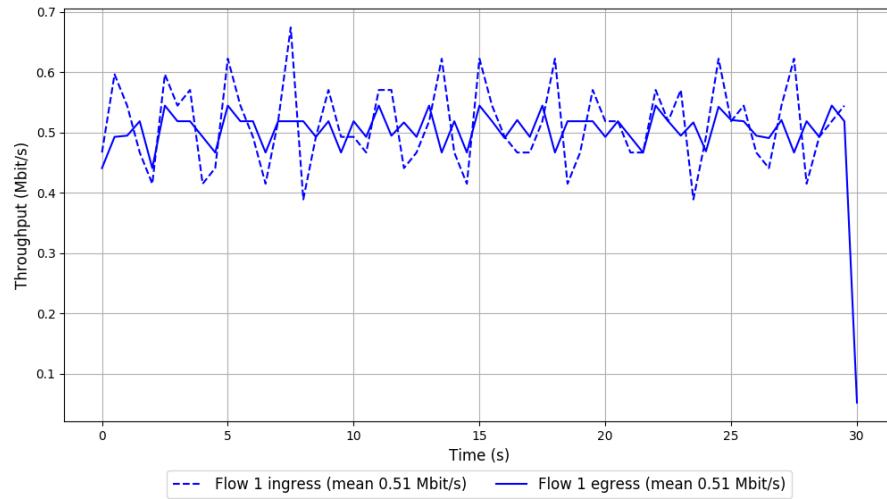


Run 2: Statistics of Copa

```
Start at: 2017-08-21 21:06:53
End at: 2017-08-21 21:07:23
Local clock offset: -0.504 ms
Remote clock offset: 7.841 ms

# Below is generated by plot.py at 2017-08-21 23:38:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 128.714 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 128.714 ms
Loss rate: 1.08%
```

Run 2: Report of Copa — Data Link

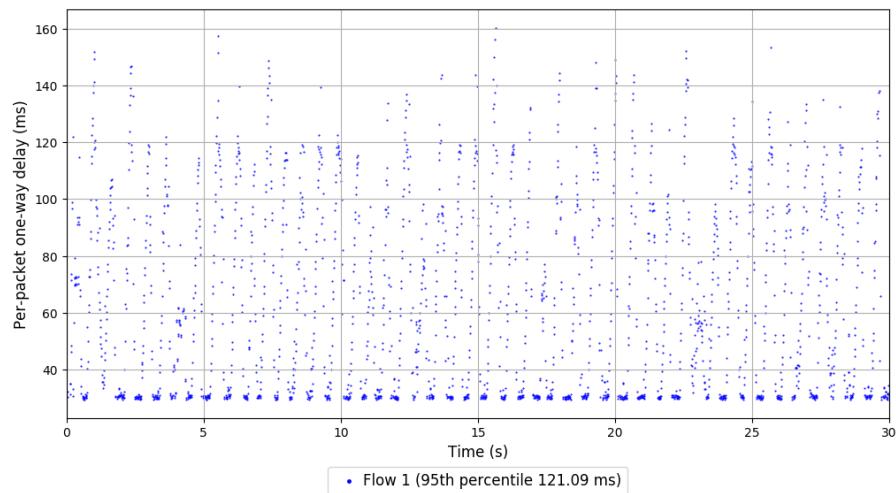
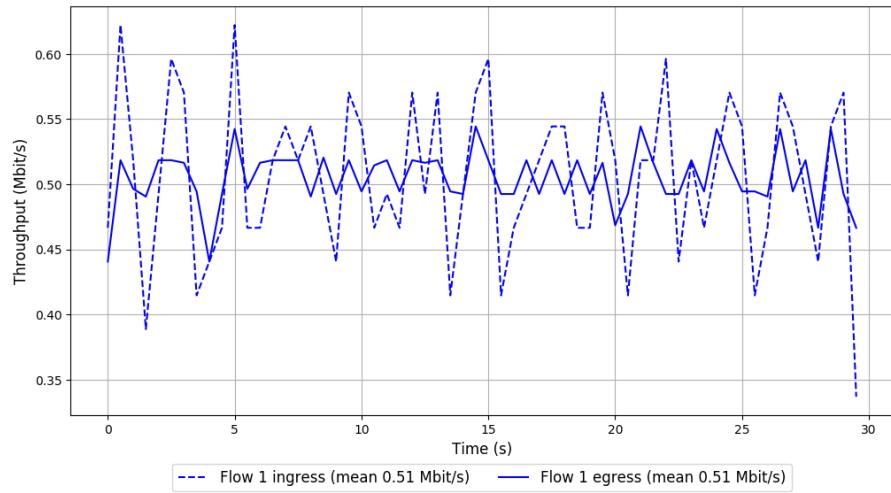


Run 3: Statistics of Copa

```
Start at: 2017-08-21 21:24:18
End at: 2017-08-21 21:24:48
Local clock offset: -0.849 ms
Remote clock offset: 7.903 ms

# Below is generated by plot.py at 2017-08-21 23:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 121.094 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 121.094 ms
Loss rate: 0.09%
```

Run 3: Report of Copa — Data Link

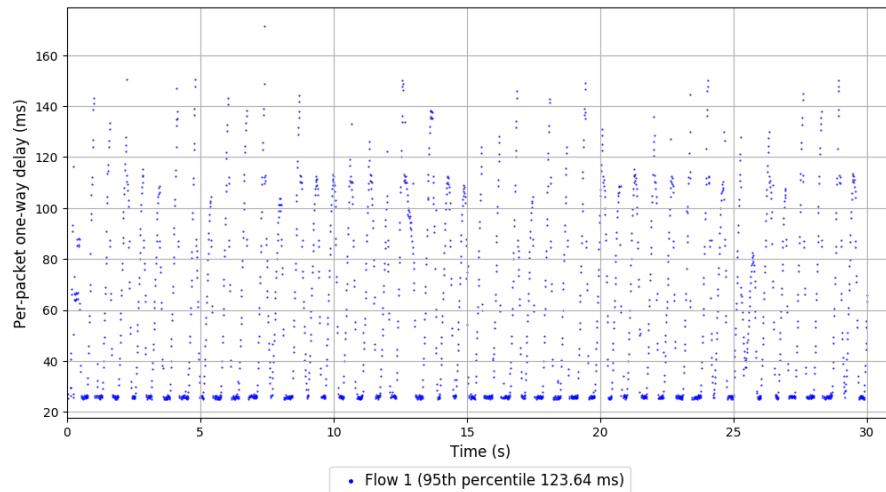
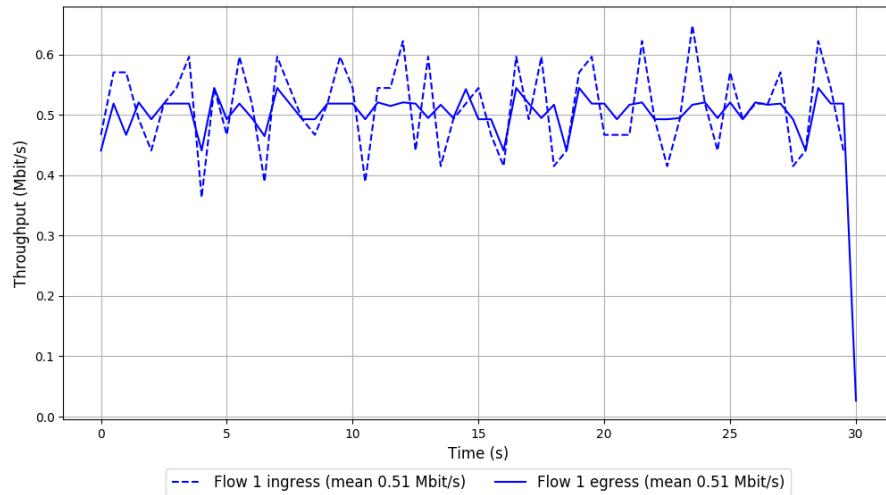


Run 4: Statistics of Copa

```
Start at: 2017-08-21 21:41:40
End at: 2017-08-21 21:42:10
Local clock offset: 2.476 ms
Remote clock offset: 6.765 ms

# Below is generated by plot.py at 2017-08-21 23:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 123.642 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 123.642 ms
Loss rate: 1.16%
```

Run 4: Report of Copa — Data Link

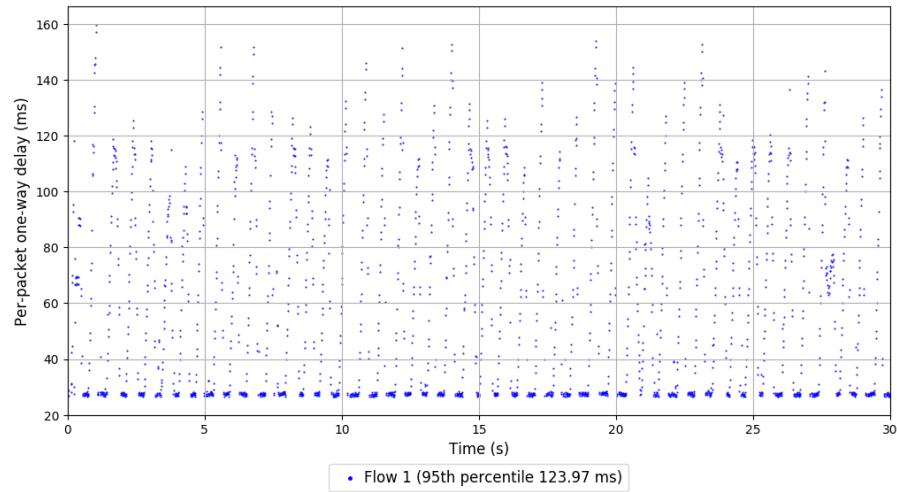
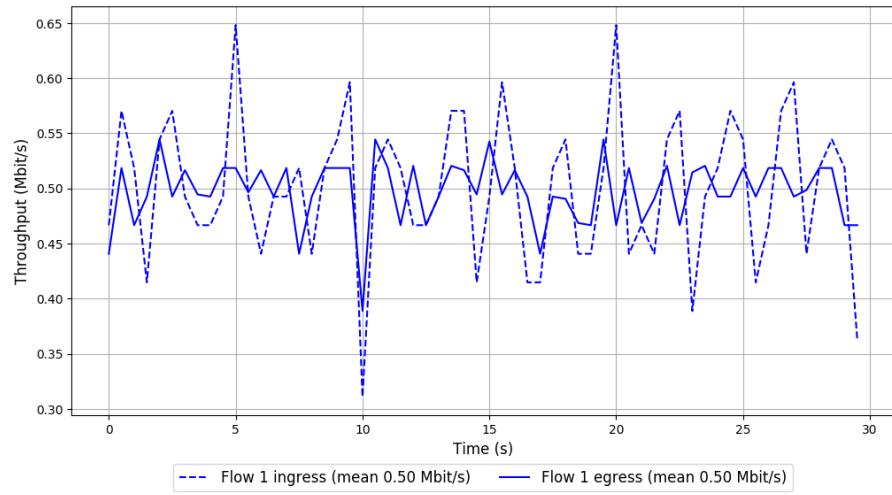


Run 5: Statistics of Copa

```
Start at: 2017-08-21 21:59:04
End at: 2017-08-21 21:59:34
Local clock offset: 1.398 ms
Remote clock offset: 7.246 ms

# Below is generated by plot.py at 2017-08-21 23:38:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 123.975 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 123.975 ms
Loss rate: 0.57%
```

Run 5: Report of Copa — Data Link

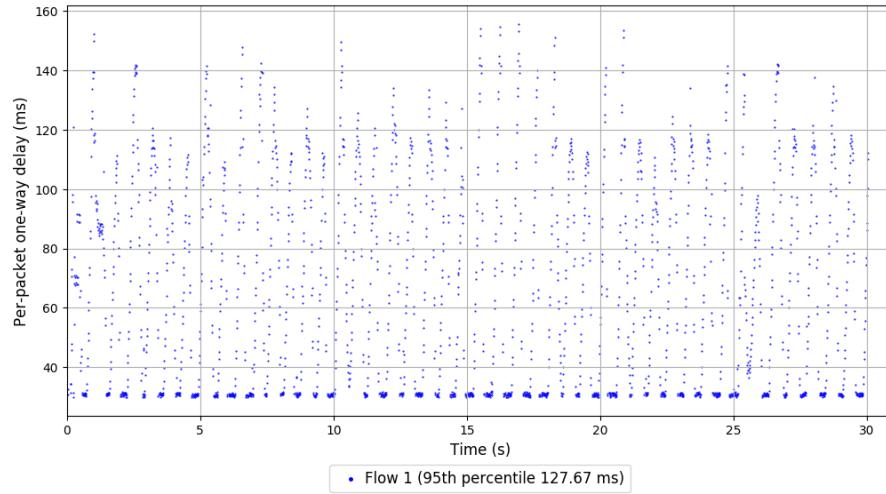
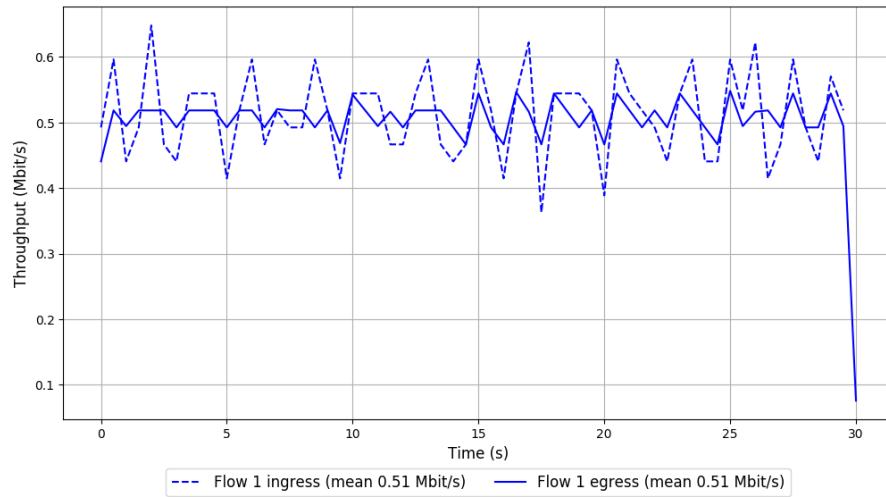


Run 6: Statistics of Copa

```
Start at: 2017-08-21 22:16:27
End at: 2017-08-21 22:16:57
Local clock offset: 0.961 ms
Remote clock offset: 8.351 ms

# Below is generated by plot.py at 2017-08-21 23:38:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 127.665 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 127.665 ms
Loss rate: 0.65%
```

Run 6: Report of Copa — Data Link

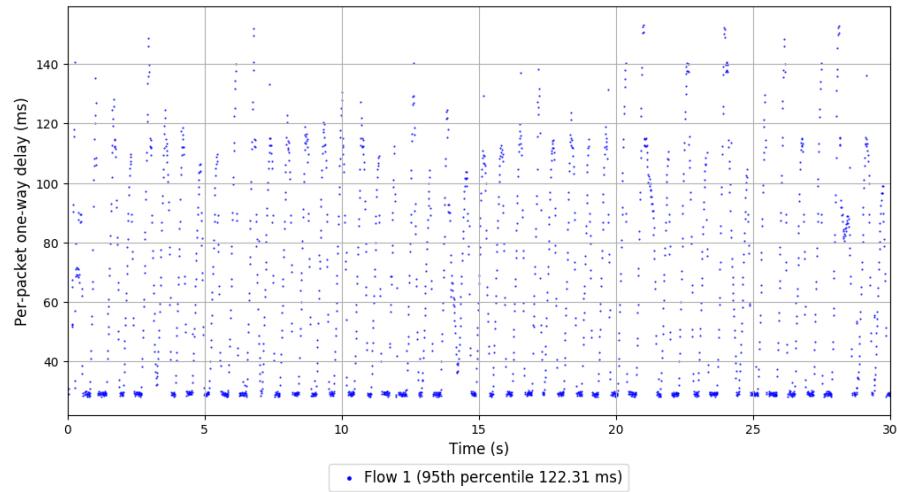
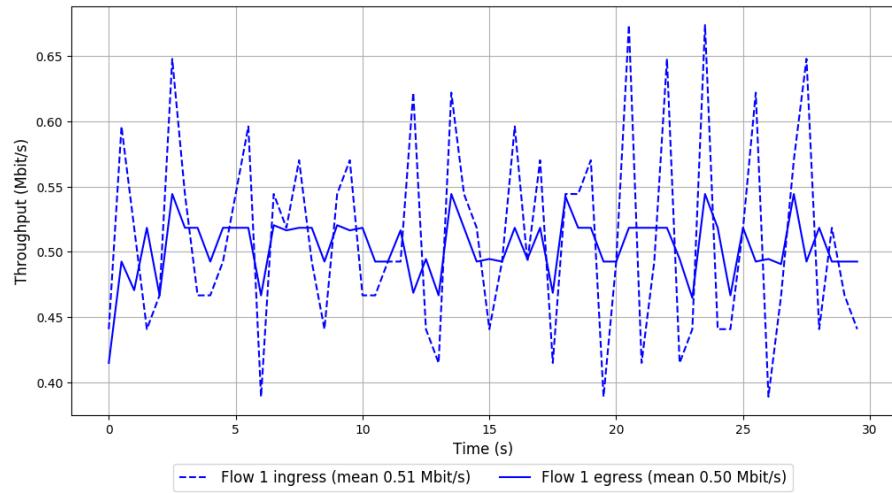


Run 7: Statistics of Copa

```
Start at: 2017-08-21 22:33:54
End at: 2017-08-21 22:34:24
Local clock offset: 1.288 ms
Remote clock offset: 7.228 ms

# Below is generated by plot.py at 2017-08-21 23:38:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 122.306 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 122.306 ms
Loss rate: 1.41%
```

Run 7: Report of Copa — Data Link

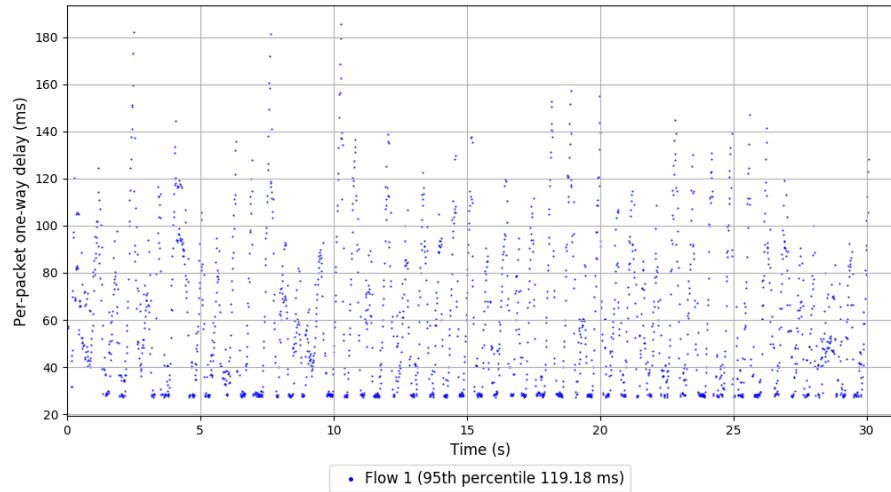
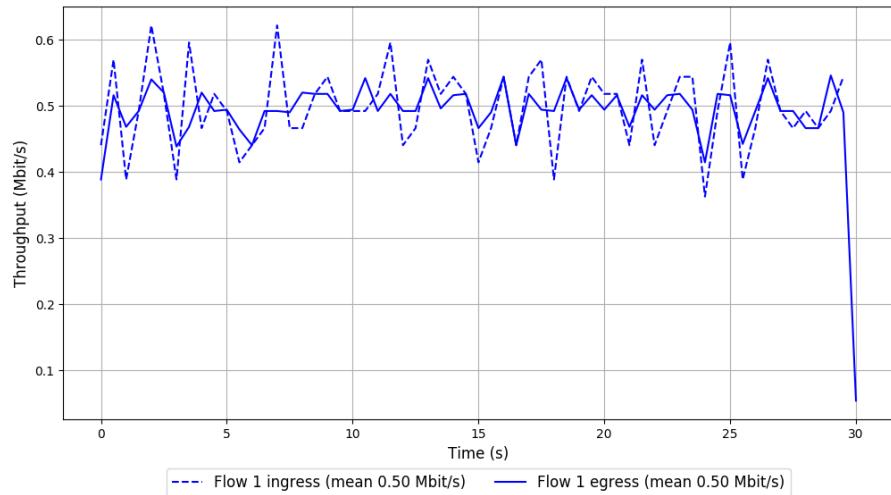


Run 8: Statistics of Copa

```
Start at: 2017-08-21 22:51:24
End at: 2017-08-21 22:51:54
Local clock offset: 0.587 ms
Remote clock offset: 7.512 ms

# Below is generated by plot.py at 2017-08-21 23:38:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 119.177 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 119.177 ms
Loss rate: 0.35%
```

Run 8: Report of Copa — Data Link

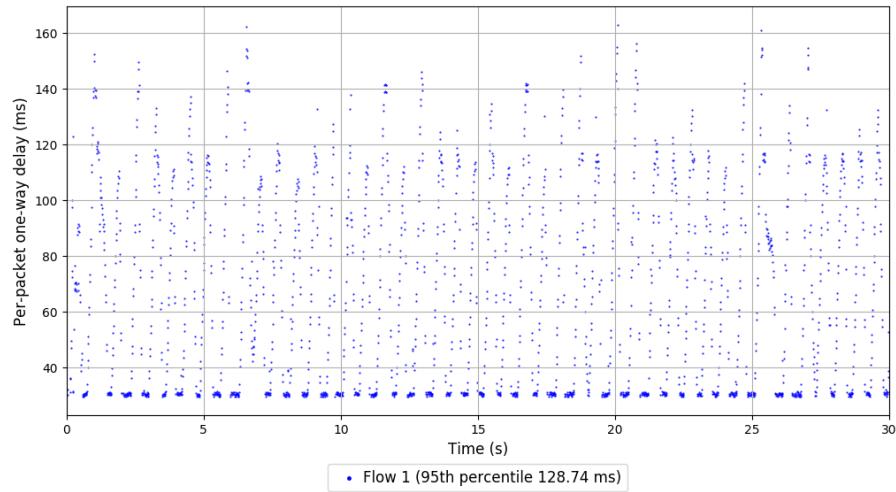
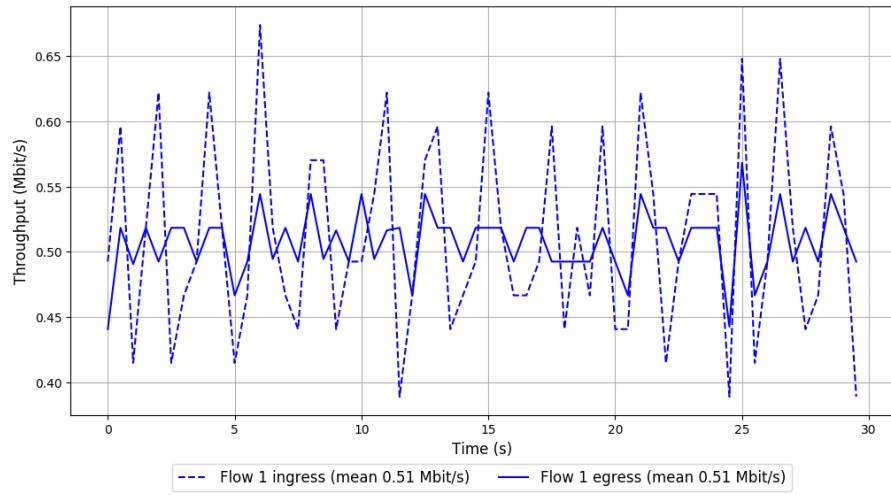


Run 9: Statistics of Copa

```
Start at: 2017-08-21 23:08:58
End at: 2017-08-21 23:09:28
Local clock offset: -0.912 ms
Remote clock offset: 6.969 ms

# Below is generated by plot.py at 2017-08-21 23:38:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 128.737 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 128.737 ms
Loss rate: 0.59%
```

Run 9: Report of Copa — Data Link

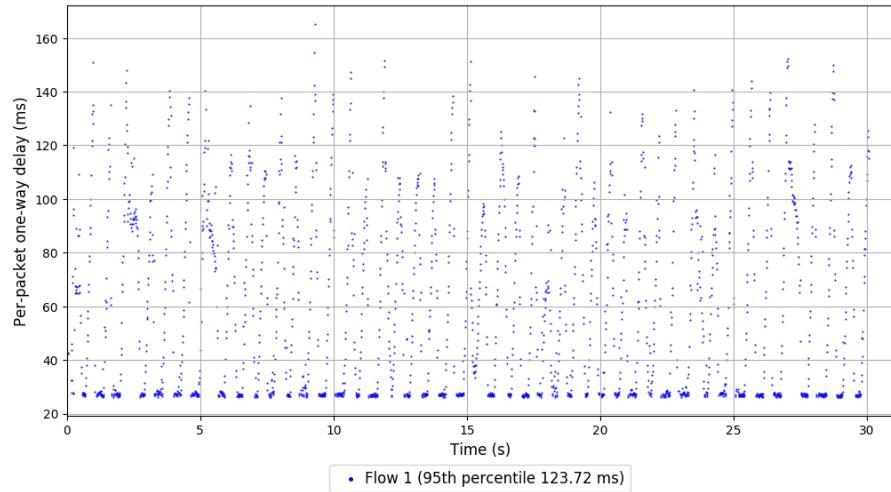
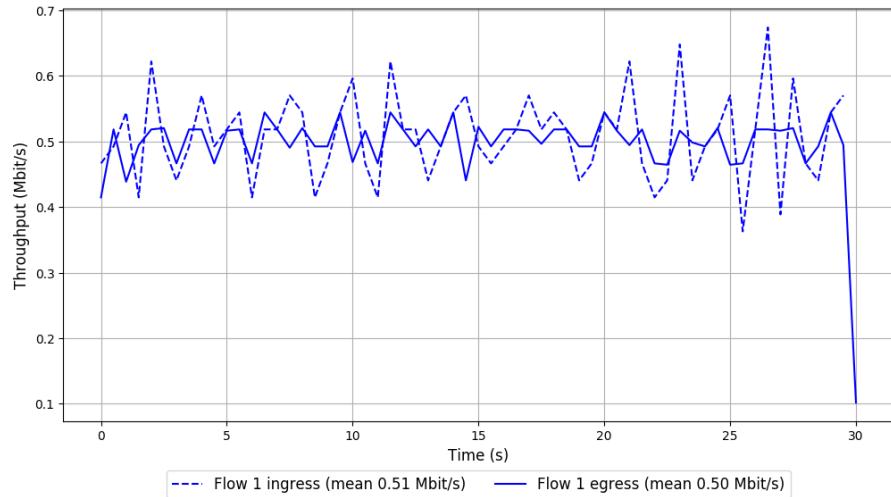


Run 10: Statistics of Copa

```
Start at: 2017-08-21 23:26:25
End at: 2017-08-21 23:26:55
Local clock offset: 1.394 ms
Remote clock offset: 7.413 ms

# Below is generated by plot.py at 2017-08-21 23:38:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 123.724 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 123.724 ms
Loss rate: 1.08%
```

Run 10: Report of Copa — Data Link

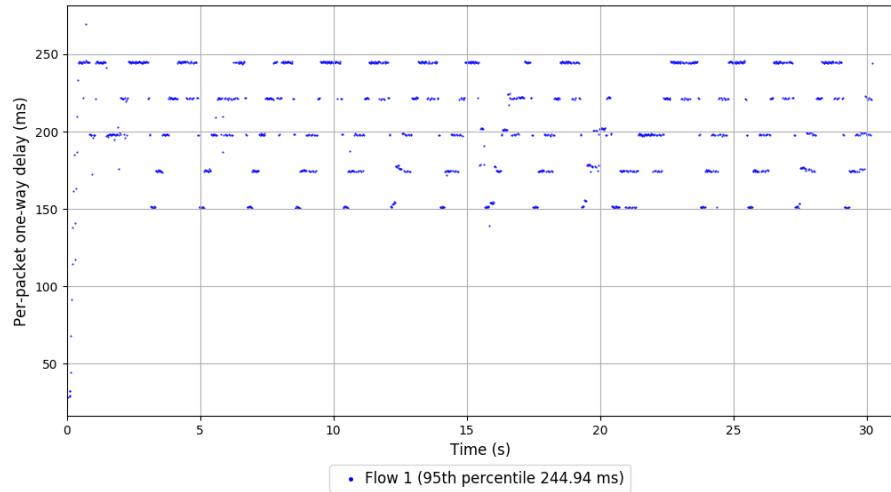
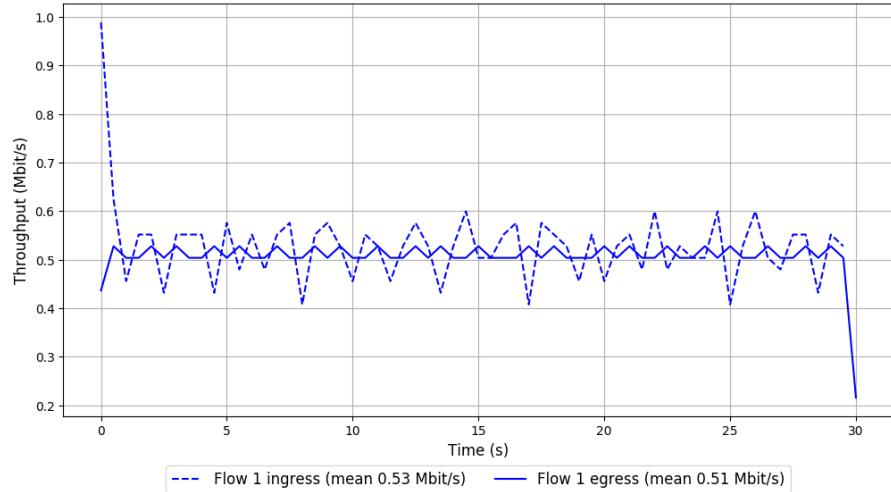


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-08-21 20:54:25
End at: 2017-08-21 20:54:55
Local clock offset: 0.051 ms
Remote clock offset: 7.027 ms

# Below is generated by plot.py at 2017-08-21 23:38:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 244.941 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 244.941 ms
Loss rate: 2.57%
```

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

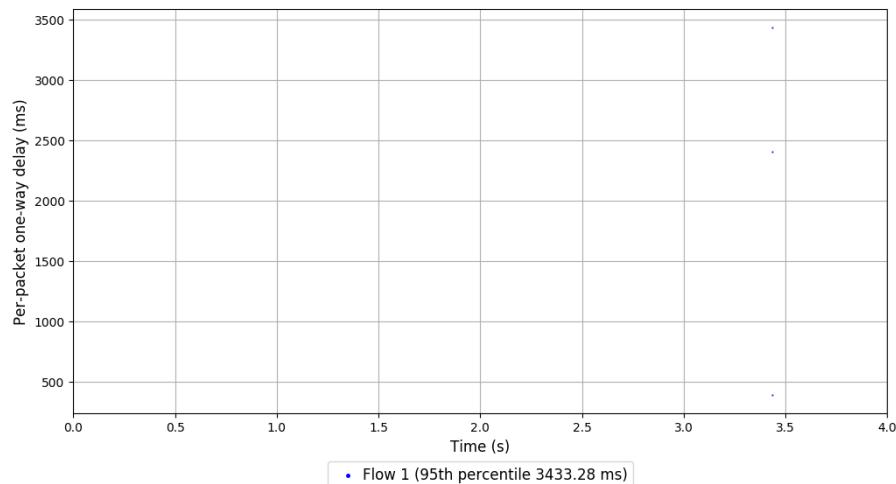
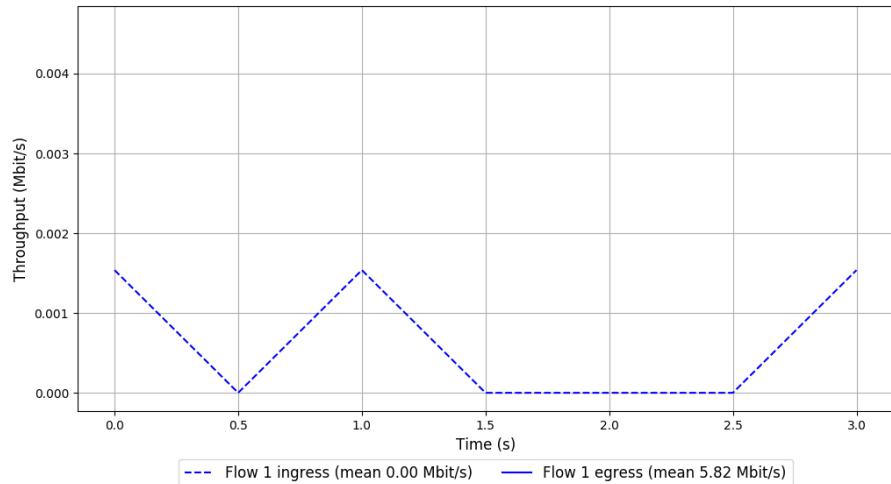
Start at: 2017-08-21 21:11:51

End at: 2017-08-21 21:12:21

Local clock offset: 0.497 ms

Remote clock offset: 6.634 ms

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

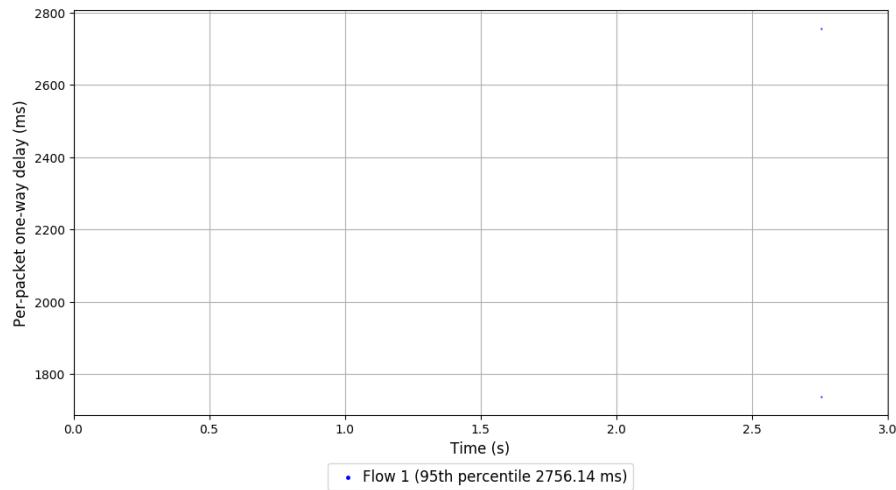
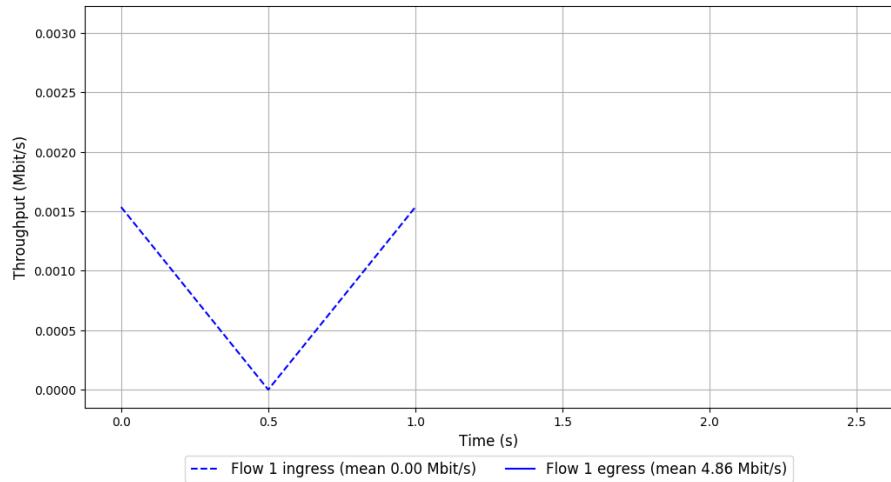
Start at: 2017-08-21 21:29:16

End at: 2017-08-21 21:29:46

Local clock offset: 1.006 ms

Remote clock offset: 7.619 ms

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-08-21 21:46:38

End at: 2017-08-21 21:47:08

Local clock offset: 0.05 ms

Remote clock offset: 8.097 ms

Run 4: Report of TCP Cubic — Data Link

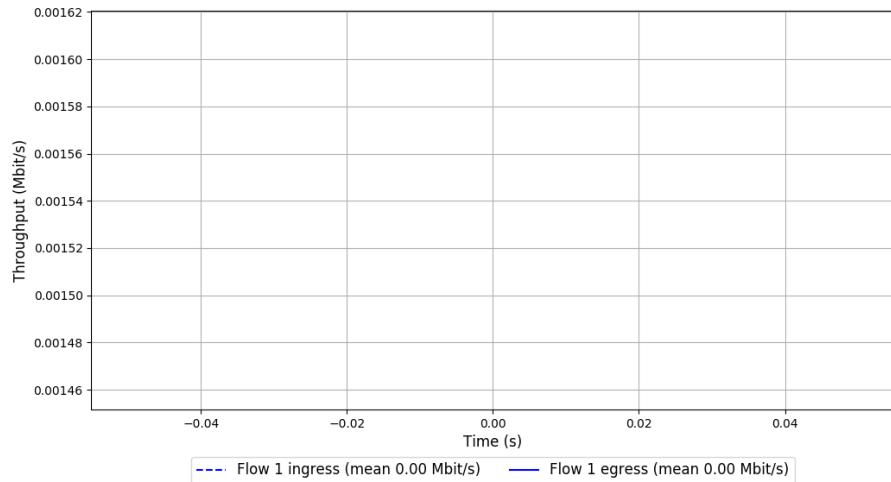


Figure is missing

Run 5: Statistics of TCP Cubic

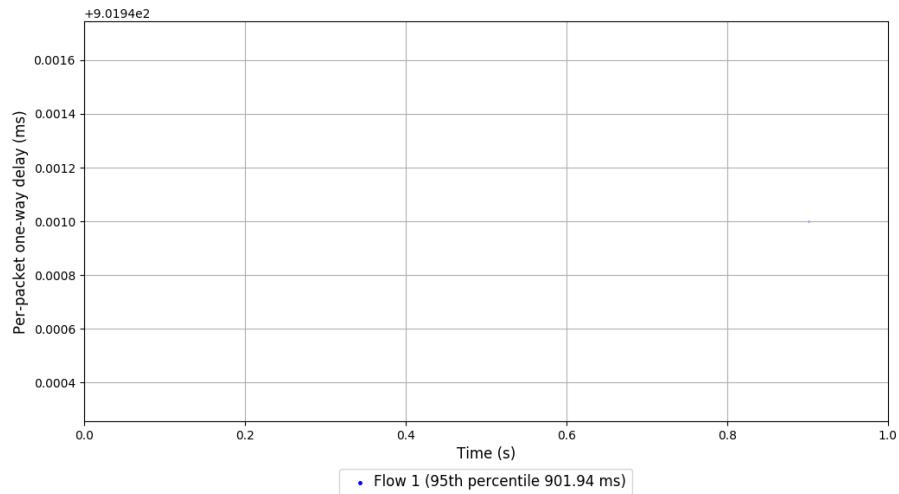
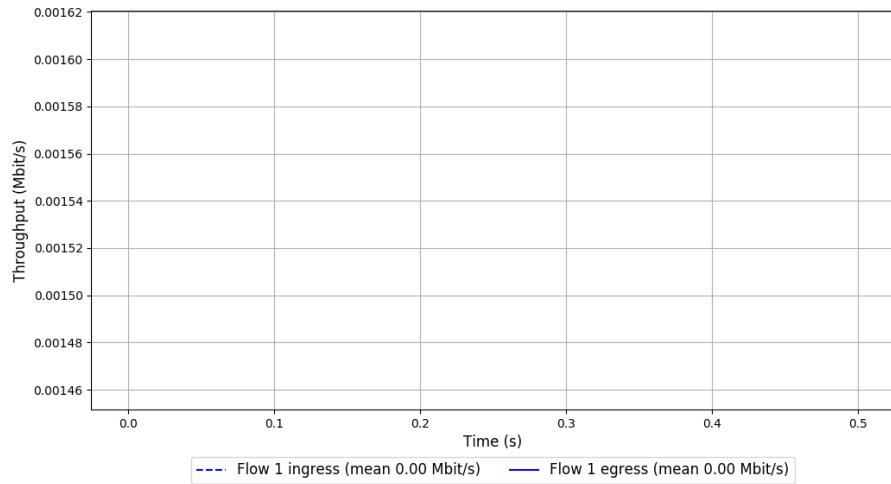
Start at: 2017-08-21 22:04:04

End at: 2017-08-21 22:04:34

Local clock offset: -2.283 ms

Remote clock offset: 7.02 ms

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

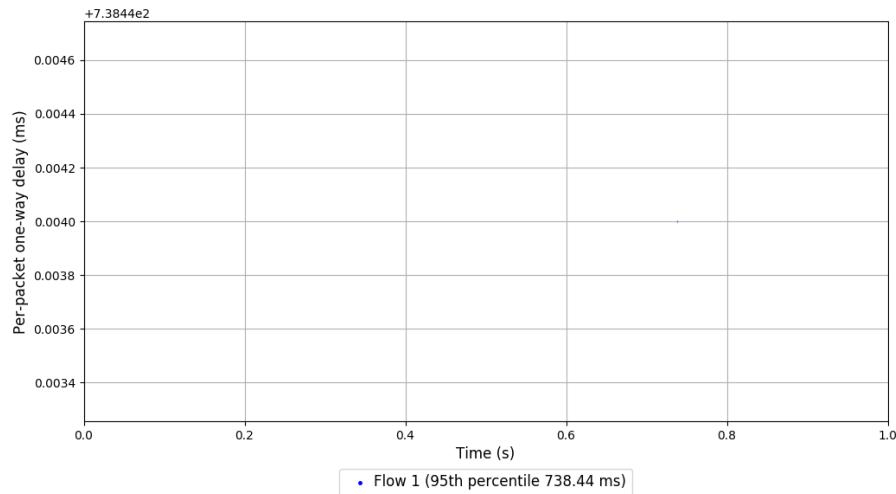
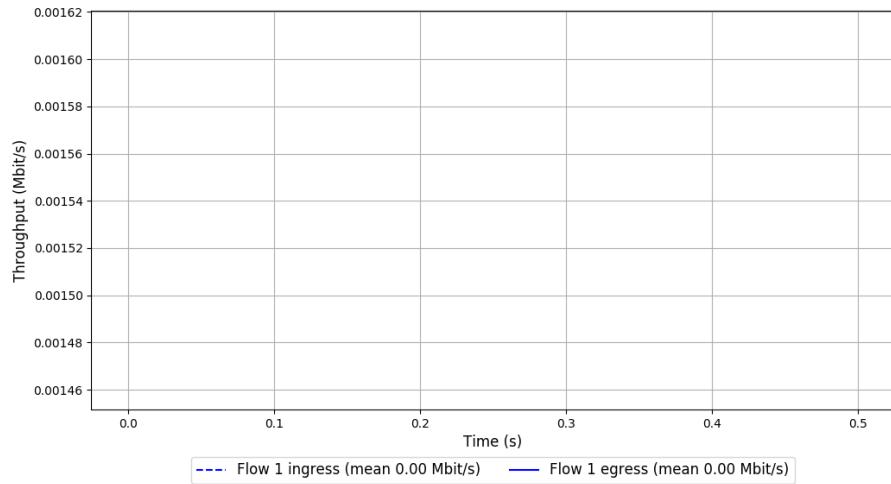
Start at: 2017-08-21 22:21:28

End at: 2017-08-21 22:21:58

Local clock offset: -1.032 ms

Remote clock offset: 6.24 ms

Run 6: Report of TCP Cubic — Data Link

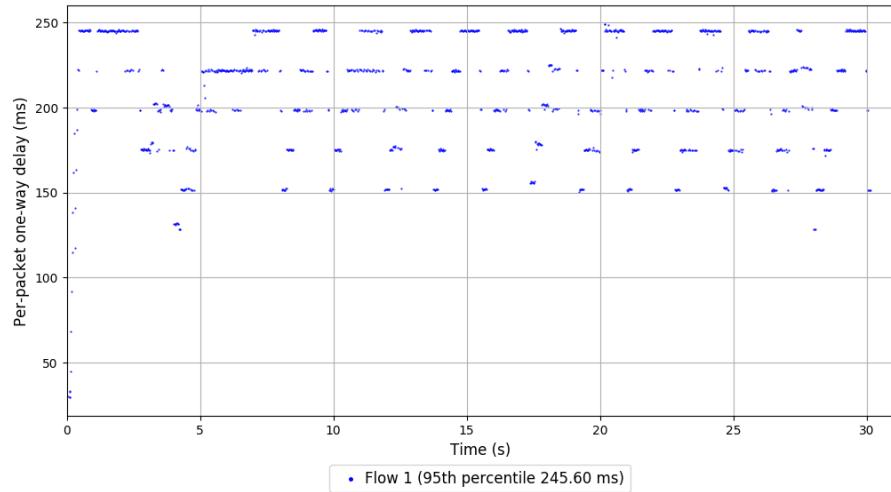
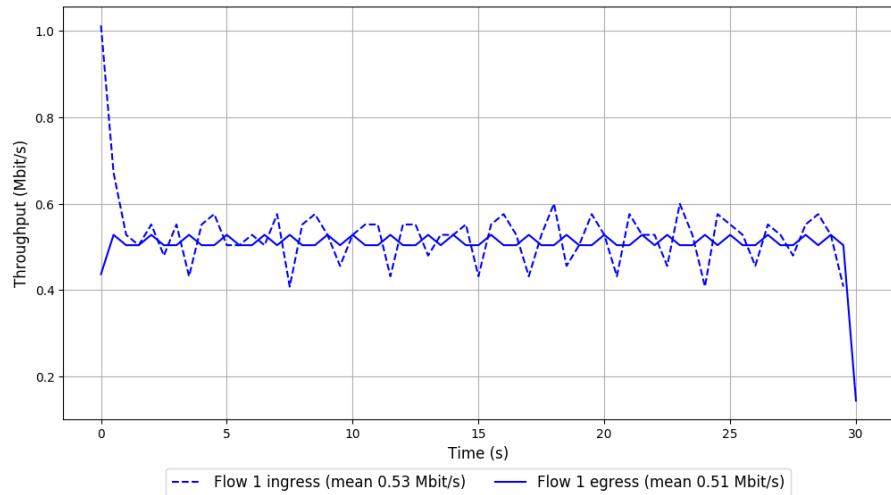


Run 7: Statistics of TCP Cubic

```
Start at: 2017-08-21 22:38:56
End at: 2017-08-21 22:39:26
Local clock offset: -1.732 ms
Remote clock offset: 6.841 ms

# Below is generated by plot.py at 2017-08-21 23:38:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 245.596 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 245.596 ms
Loss rate: 2.87%
```

Run 7: Report of TCP Cubic — Data Link

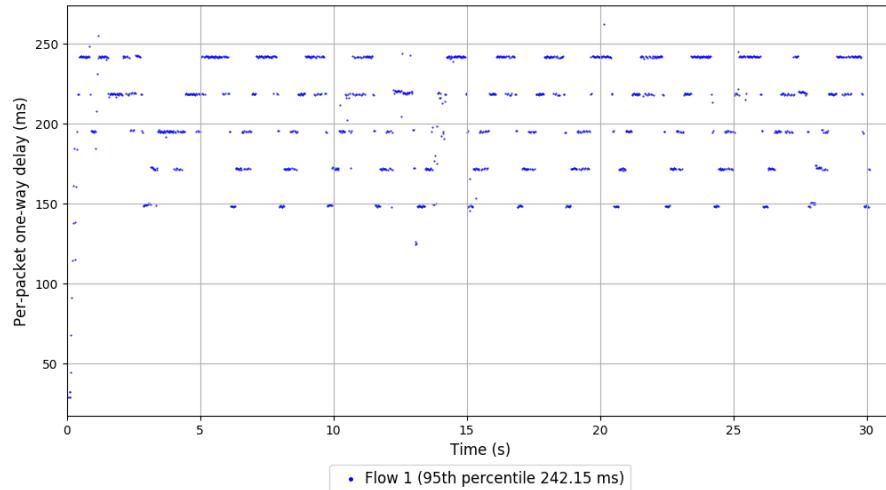
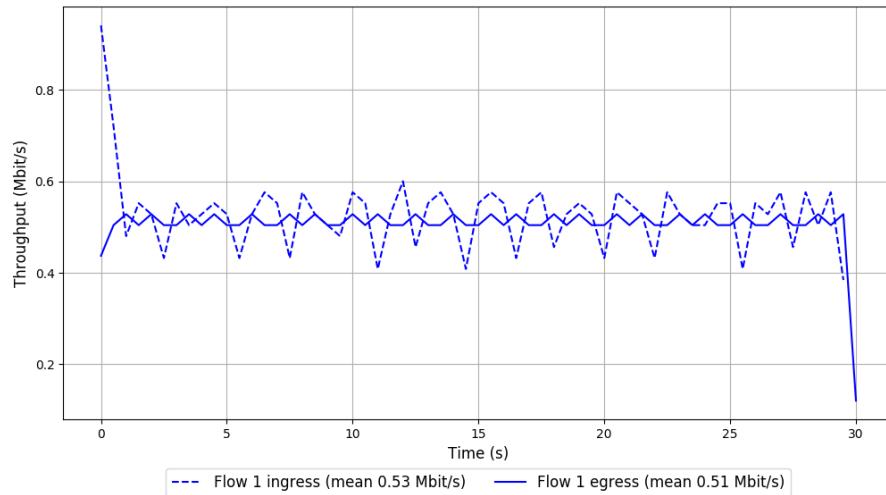


Run 8: Statistics of TCP Cubic

```
Start at: 2017-08-21 22:56:31
End at: 2017-08-21 22:57:01
Local clock offset: 0.699 ms
Remote clock offset: 6.483 ms

# Below is generated by plot.py at 2017-08-21 23:38:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.154 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.154 ms
Loss rate: 2.72%
```

Run 8: Report of TCP Cubic — Data Link

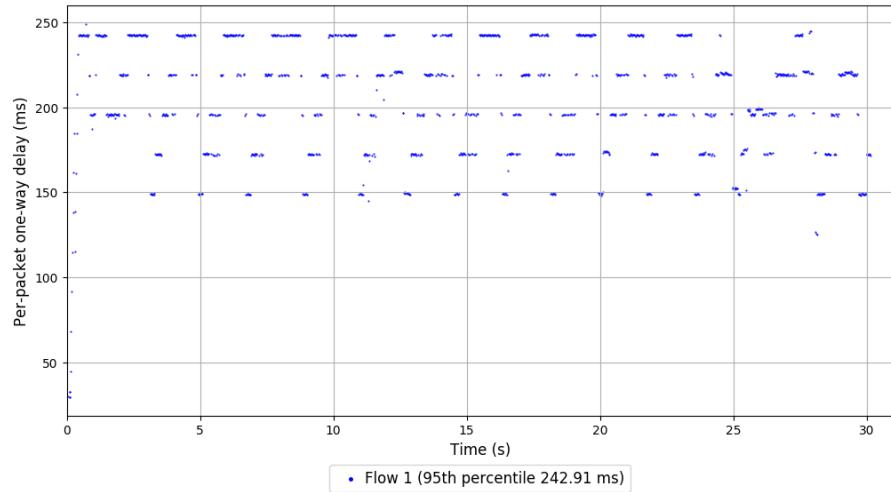
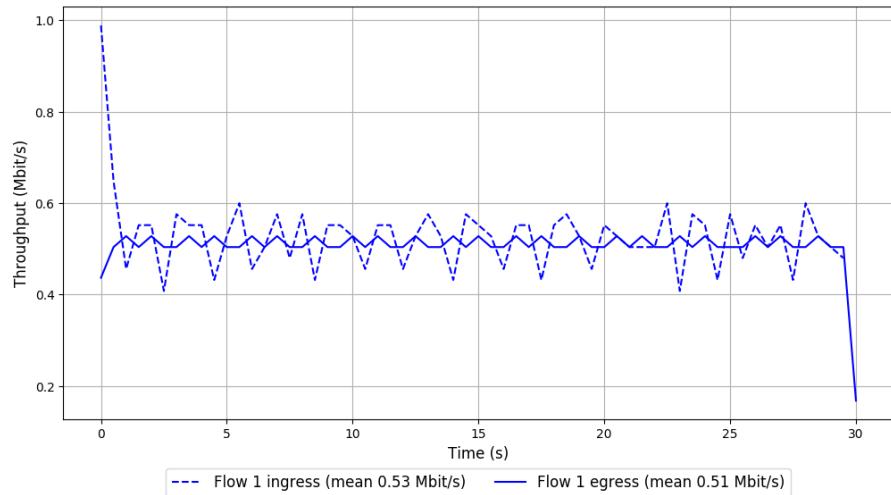


Run 9: Statistics of TCP Cubic

```
Start at: 2017-08-21 23:13:58
End at: 2017-08-21 23:14:28
Local clock offset: 1.211 ms
Remote clock offset: 7.782 ms

# Below is generated by plot.py at 2017-08-21 23:38:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.908 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.908 ms
Loss rate: 2.65%
```

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

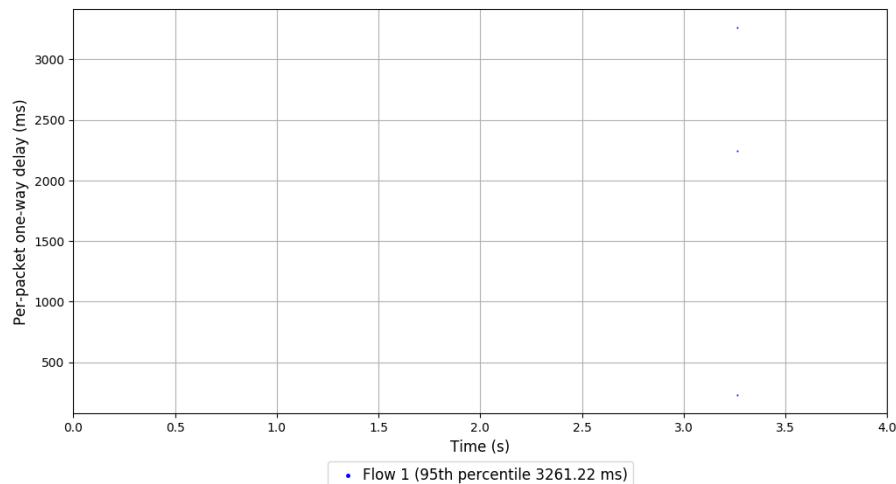
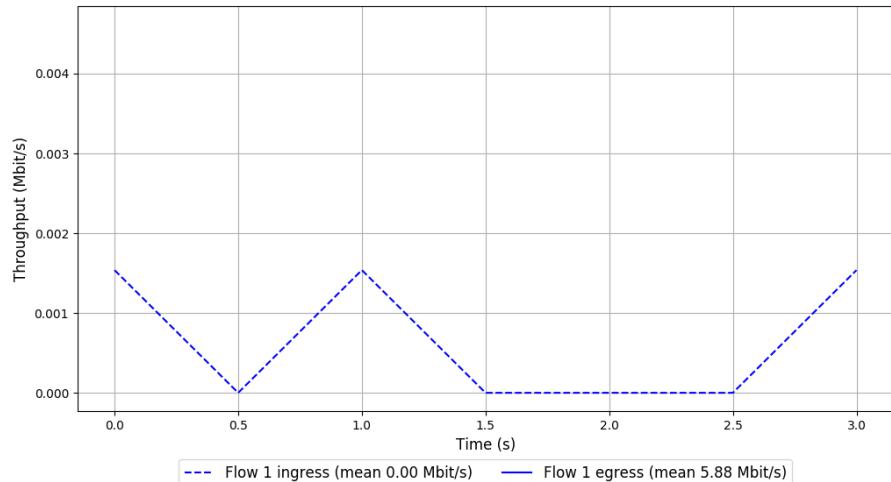
Start at: 2017-08-21 23:31:24

End at: 2017-08-21 23:31:54

Local clock offset: 0.933 ms

Remote clock offset: 7.08 ms

Run 10: Report of TCP Cubic — Data Link



```
Run 1: Statistics of KohoCC
```

```
Start at: 2017-08-21 20:56:54
```

```
End at: 2017-08-21 20:57:24
```

```
Local clock offset: 2.26 ms
```

```
Remote clock offset: 7.667 ms
```

```
# Below is generated by plot.py at 2017-08-21 23:38:16
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 0.51 Mbit/s
```

```
95th percentile per-packet one-way delay: 82.043 ms
```

```
Loss rate: 0.31%
```

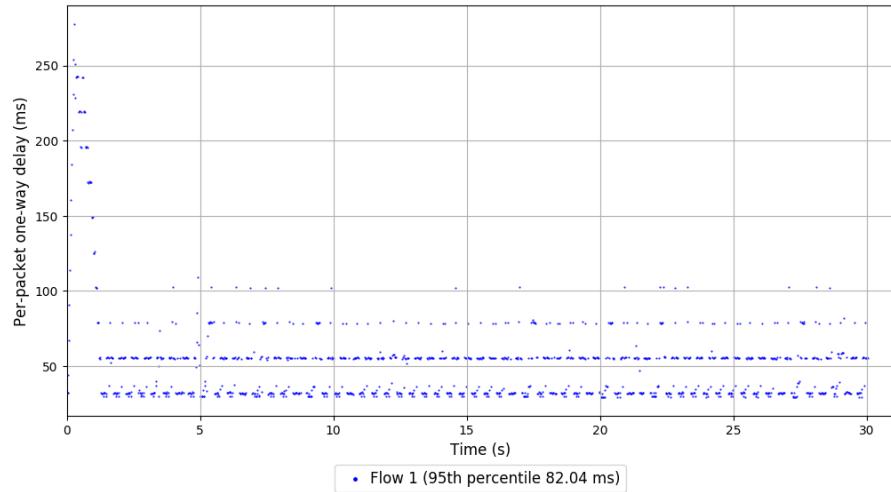
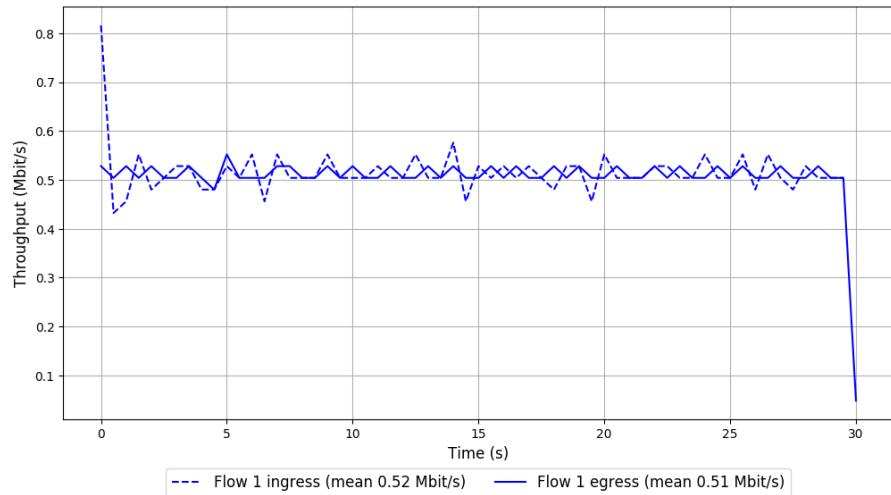
```
-- Flow 1:
```

```
Average throughput: 0.51 Mbit/s
```

```
95th percentile per-packet one-way delay: 82.043 ms
```

```
Loss rate: 0.31%
```

Run 1: Report of KohoCC — Data Link

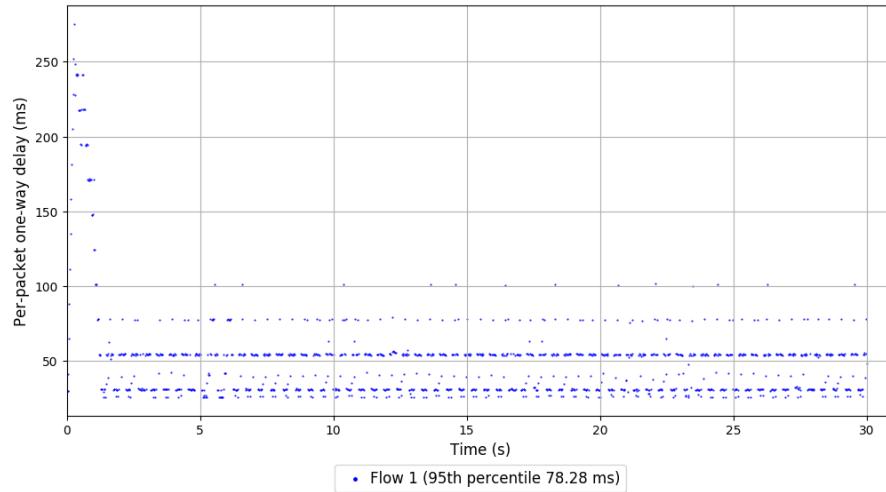
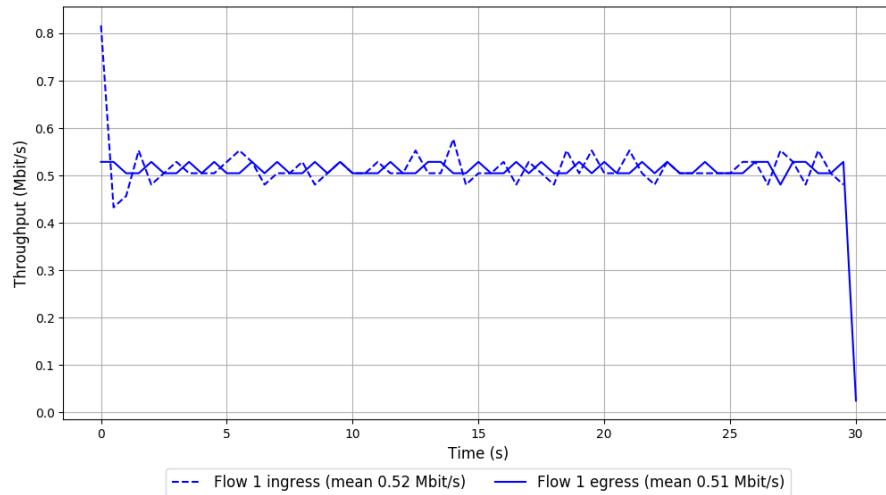


Run 2: Statistics of KohoCC

```
Start at: 2017-08-21 21:14:19
End at: 2017-08-21 21:14:49
Local clock offset: 2.463 ms
Remote clock offset: 6.872 ms

# Below is generated by plot.py at 2017-08-21 23:38:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 78.283 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 78.283 ms
Loss rate: 0.31%
```

Run 2: Report of KohoCC — Data Link

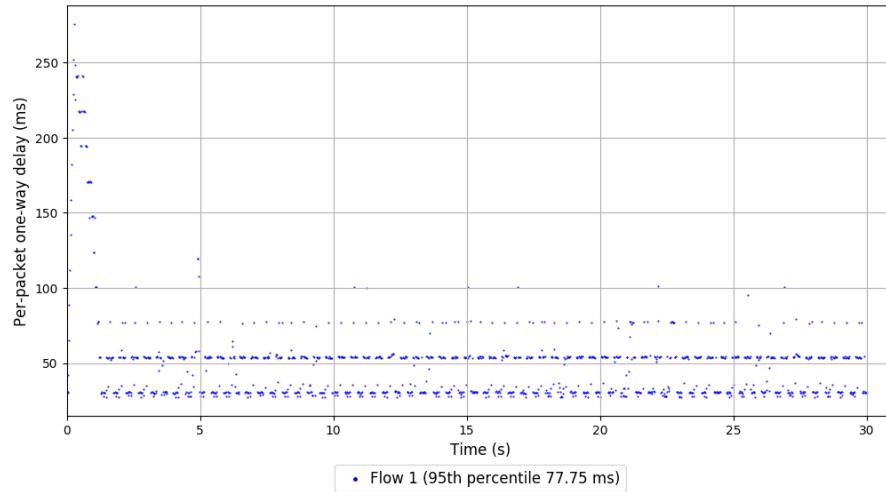
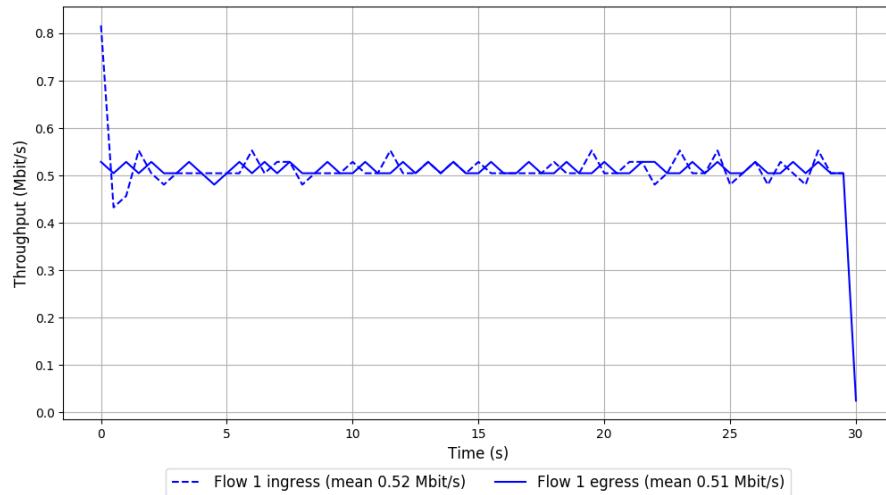


Run 3: Statistics of KohoCC

```
Start at: 2017-08-21 21:31:44
End at: 2017-08-21 21:32:14
Local clock offset: 2.631 ms
Remote clock offset: 6.904 ms

# Below is generated by plot.py at 2017-08-21 23:38:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 77.754 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 77.754 ms
Loss rate: 0.31%
```

Run 3: Report of KohoCC — Data Link

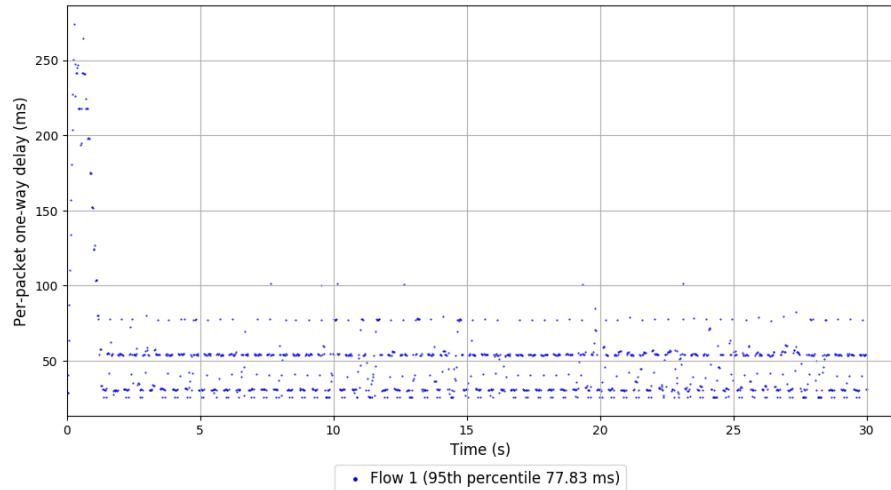
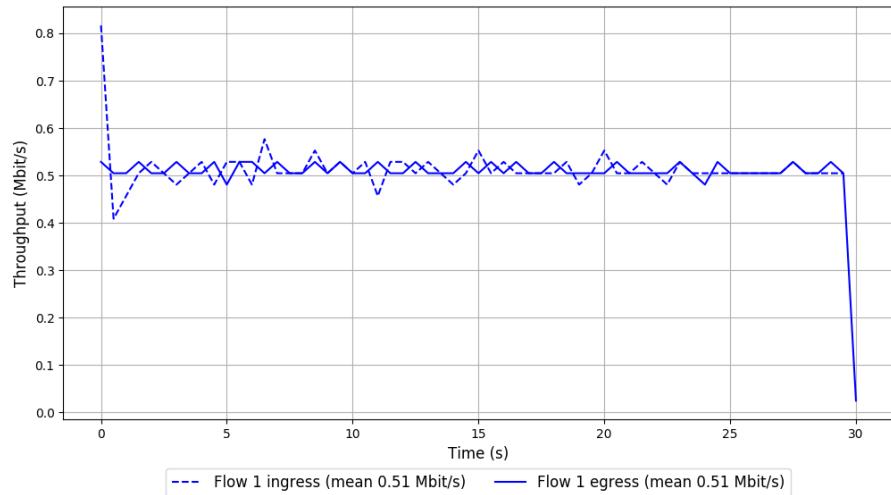


Run 4: Statistics of KohoCC

```
Start at: 2017-08-21 21:49:08
End at: 2017-08-21 21:49:38
Local clock offset: 2.317 ms
Remote clock offset: 6.851 ms

# Below is generated by plot.py at 2017-08-21 23:38:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 77.832 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 77.832 ms
Loss rate: 0.23%
```

Run 4: Report of KohoCC — Data Link

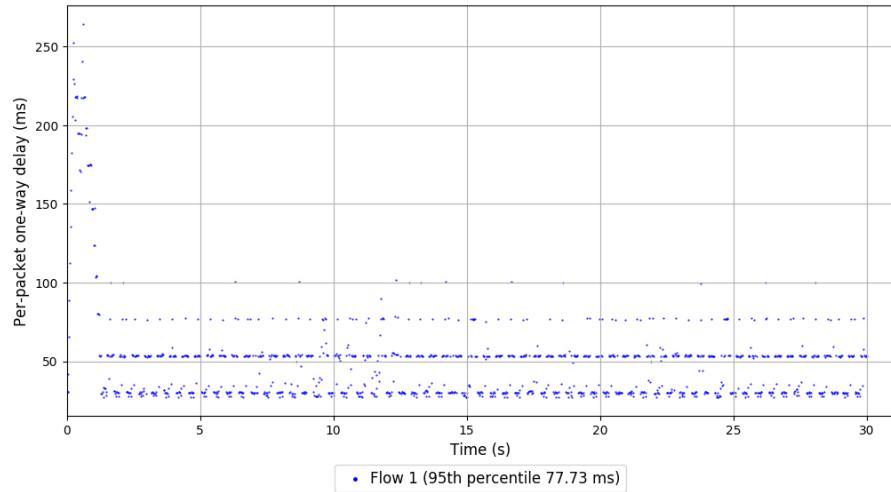
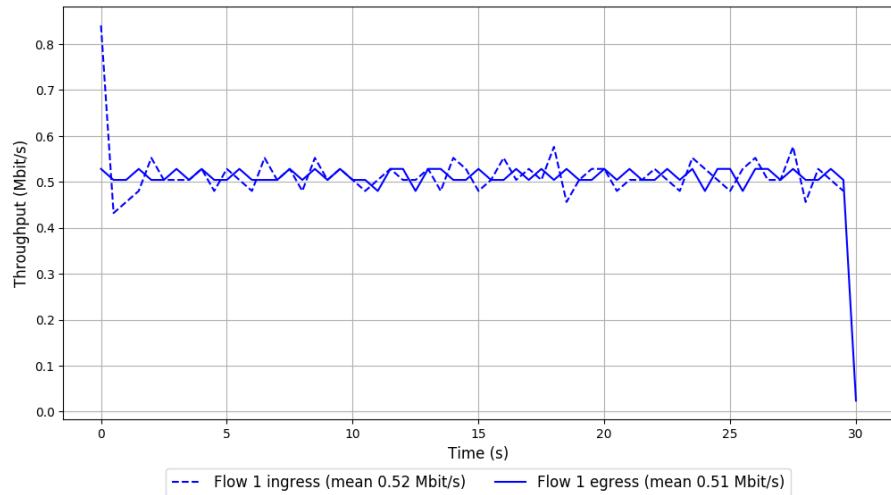


Run 5: Statistics of KohoCC

```
Start at: 2017-08-21 22:06:32
End at: 2017-08-21 22:07:02
Local clock offset: 1.117 ms
Remote clock offset: 6.764 ms

# Below is generated by plot.py at 2017-08-21 23:38:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 77.727 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 77.727 ms
Loss rate: 0.39%
```

Run 5: Report of KohoCC — Data Link

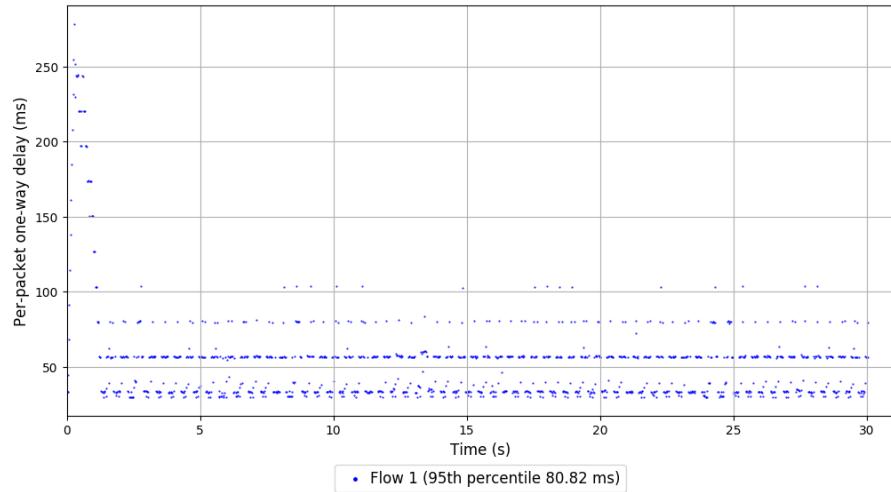
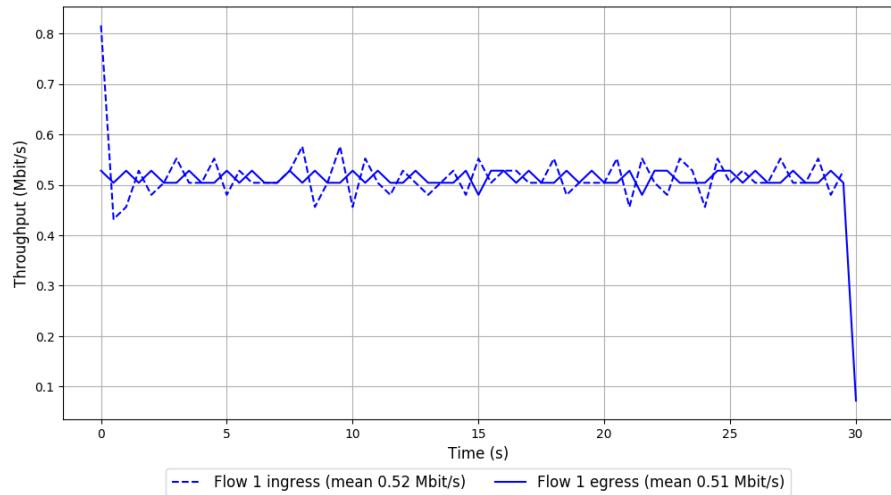


Run 6: Statistics of KohoCC

```
Start at: 2017-08-21 22:23:56
End at: 2017-08-21 22:24:26
Local clock offset: -1.484 ms
Remote clock offset: 6.933 ms

# Below is generated by plot.py at 2017-08-21 23:38:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 80.816 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 80.816 ms
Loss rate: 0.31%
```

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: 2017-08-21 22:41:26

End at: 2017-08-21 22:41:56

Local clock offset: -1.536 ms

Remote clock offset: 7.768 ms

Below is generated by plot.py at 2017-08-21 23:38:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 82.551 ms

Loss rate: 0.31%

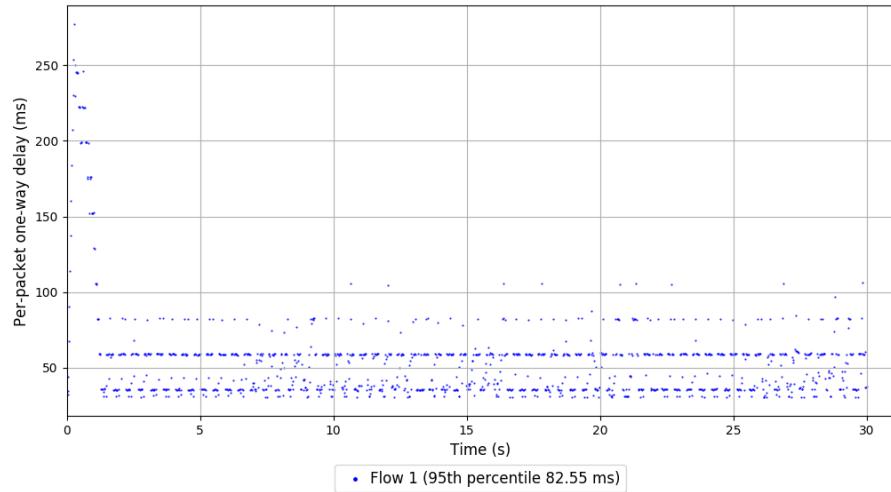
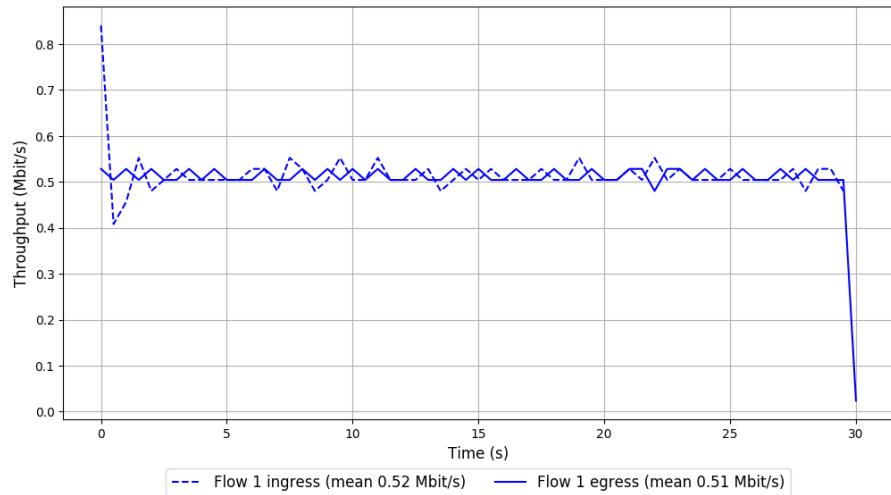
-- Flow 1:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 82.551 ms

Loss rate: 0.31%

Run 7: Report of KohoCC — Data Link

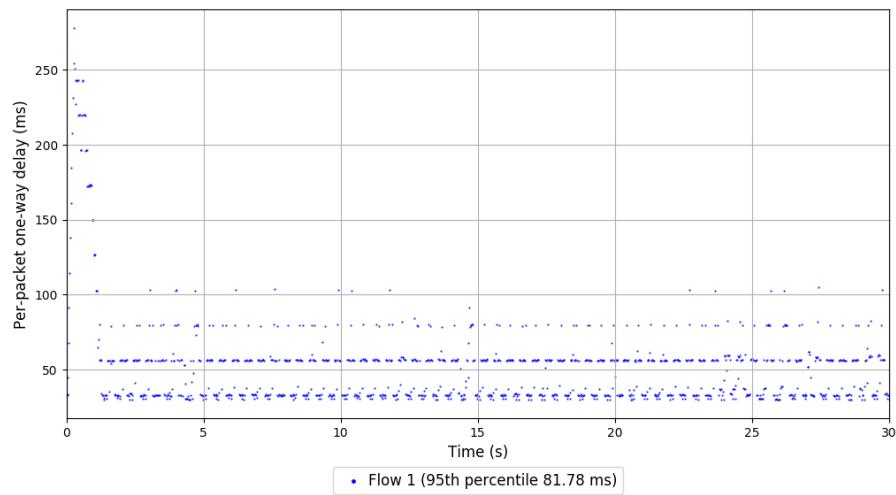
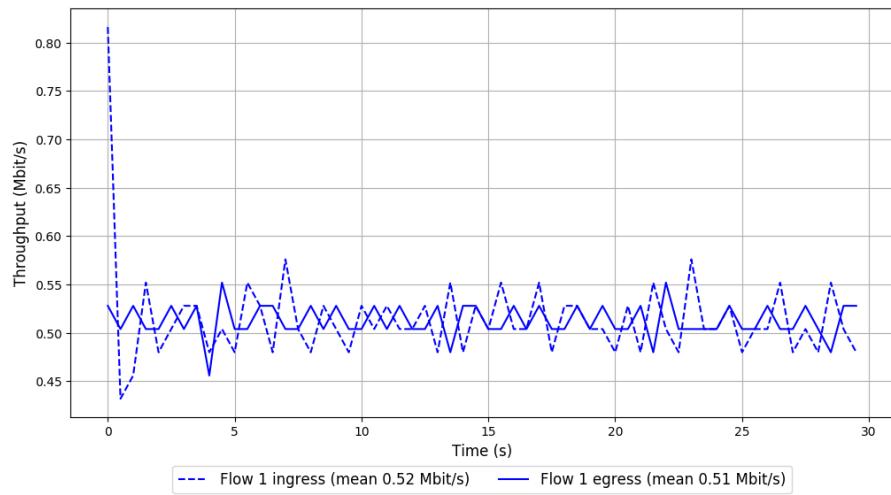


Run 8: Statistics of KohoCC

```
Start at: 2017-08-21 22:59:00
End at: 2017-08-21 22:59:30
Local clock offset: -0.162 ms
Remote clock offset: 7.016 ms

# Below is generated by plot.py at 2017-08-21 23:38:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 81.778 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 81.778 ms
Loss rate: 0.31%
```

Run 8: Report of KohoCC — Data Link

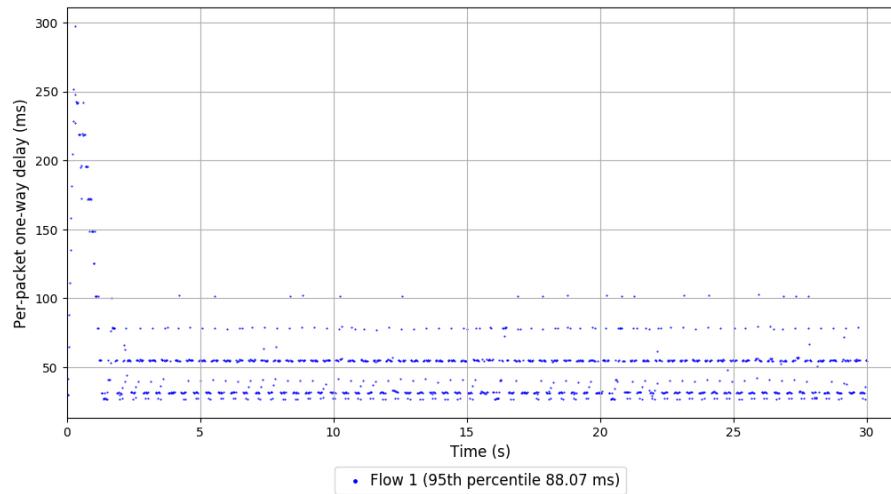
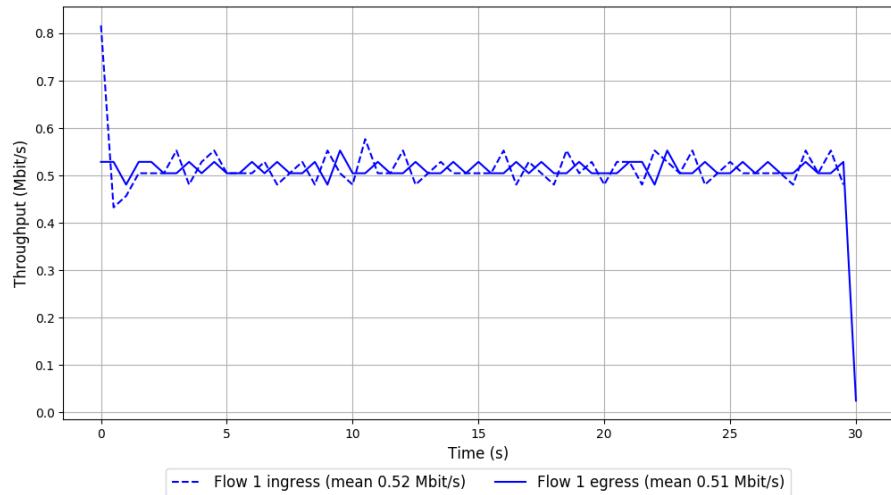


Run 9: Statistics of KohoCC

```
Start at: 2017-08-21 23:16:27
End at: 2017-08-21 23:16:58
Local clock offset: 0.891 ms
Remote clock offset: 6.658 ms

# Below is generated by plot.py at 2017-08-21 23:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 88.069 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 88.069 ms
Loss rate: 0.31%
```

Run 9: Report of KohoCC — Data Link

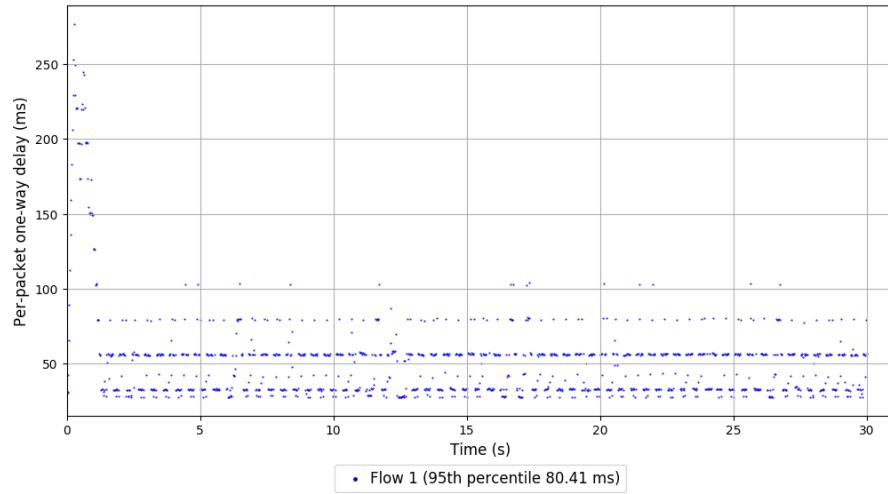
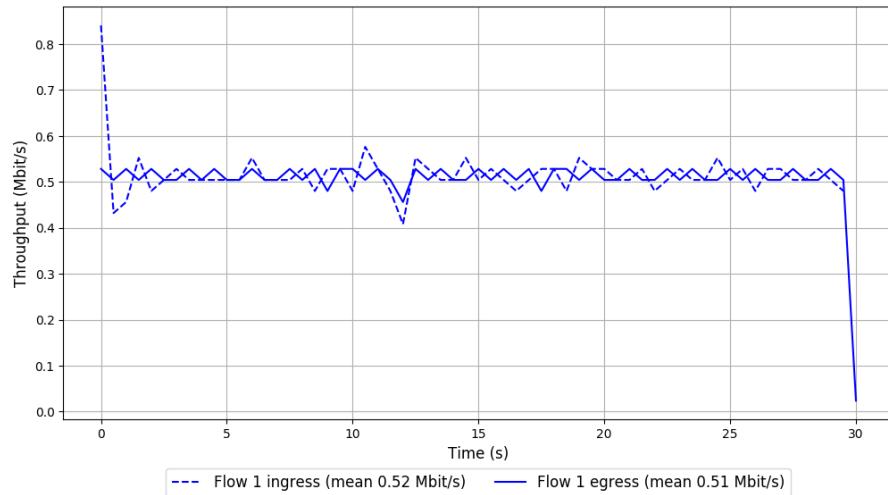


Run 10: Statistics of KohoCC

```
Start at: 2017-08-21 23:33:51
End at: 2017-08-21 23:34:21
Local clock offset: -0.139 ms
Remote clock offset: 6.89 ms

# Below is generated by plot.py at 2017-08-21 23:38:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 80.411 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 80.411 ms
Loss rate: 0.39%
```

Run 10: Report of KohoCC — Data Link

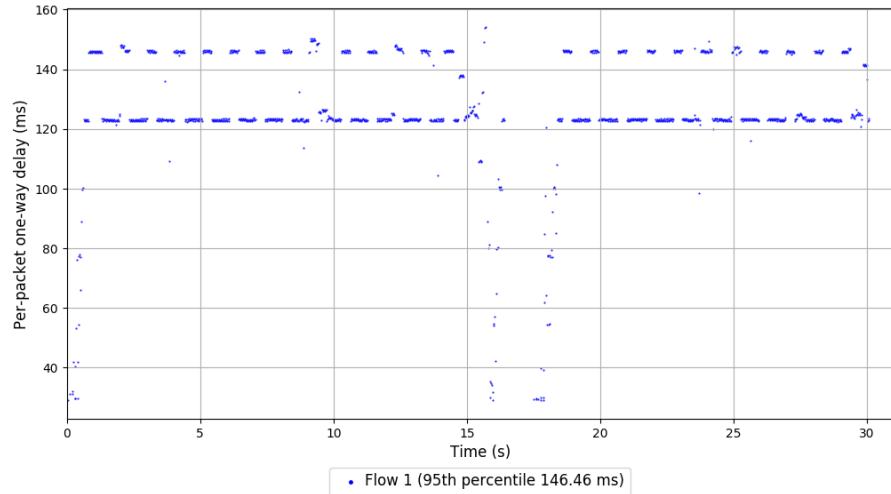
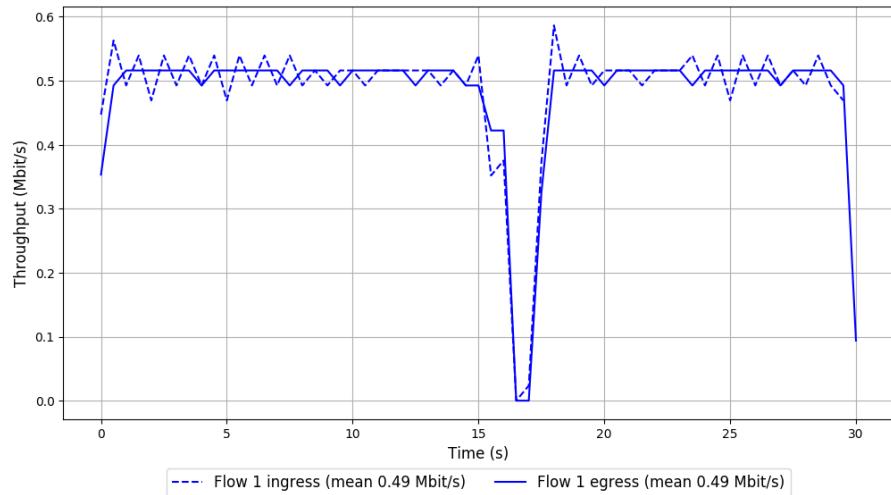


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2017-08-21 20:44:32
End at: 2017-08-21 20:45:02
Local clock offset: 0.878 ms
Remote clock offset: 7.685 ms

# Below is generated by plot.py at 2017-08-21 23:38:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 146.461 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 146.461 ms
Loss rate: 0.16%
```

Run 1: Report of LEDBAT — Data Link

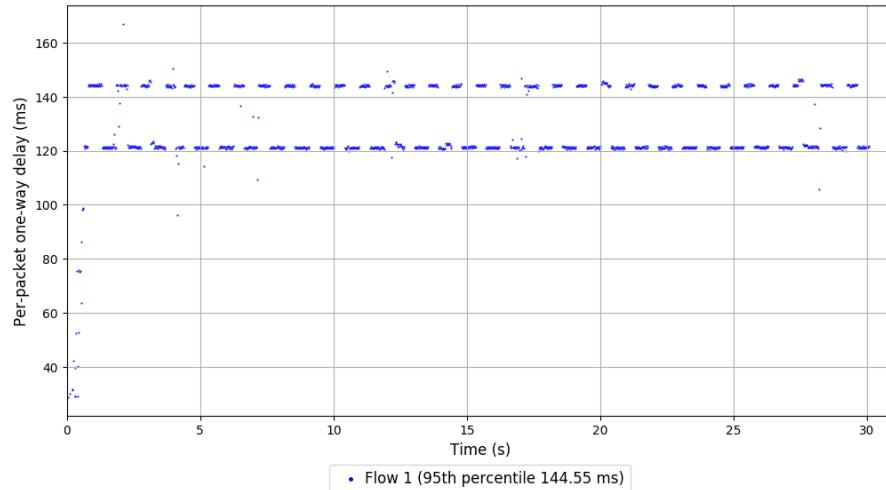
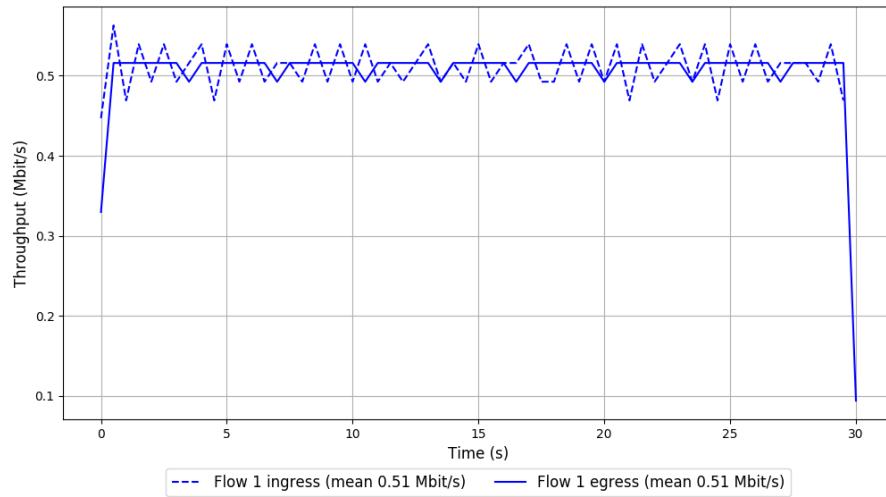


Run 2: Statistics of LEDBAT

```
Start at: 2017-08-21 21:01:56
End at: 2017-08-21 21:02:26
Local clock offset: 3.021 ms
Remote clock offset: 7.857 ms

# Below is generated by plot.py at 2017-08-21 23:38:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 144.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 144.554 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

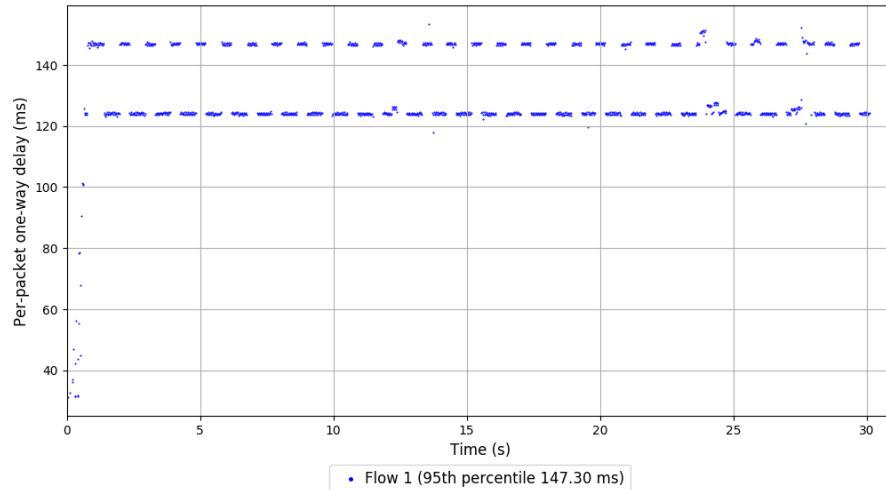
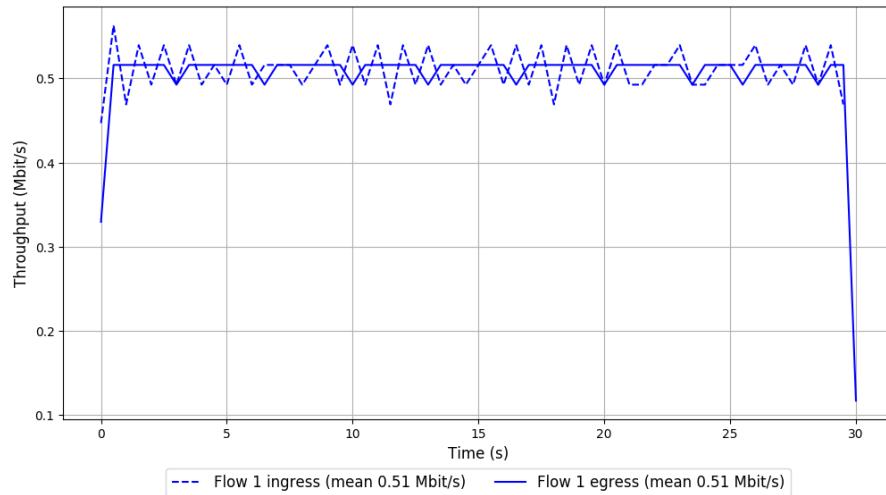


Run 3: Statistics of LEDBAT

```
Start at: 2017-08-21 21:19:21
End at: 2017-08-21 21:19:51
Local clock offset: -0.954 ms
Remote clock offset: 6.996 ms

# Below is generated by plot.py at 2017-08-21 23:38:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 147.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 147.302 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

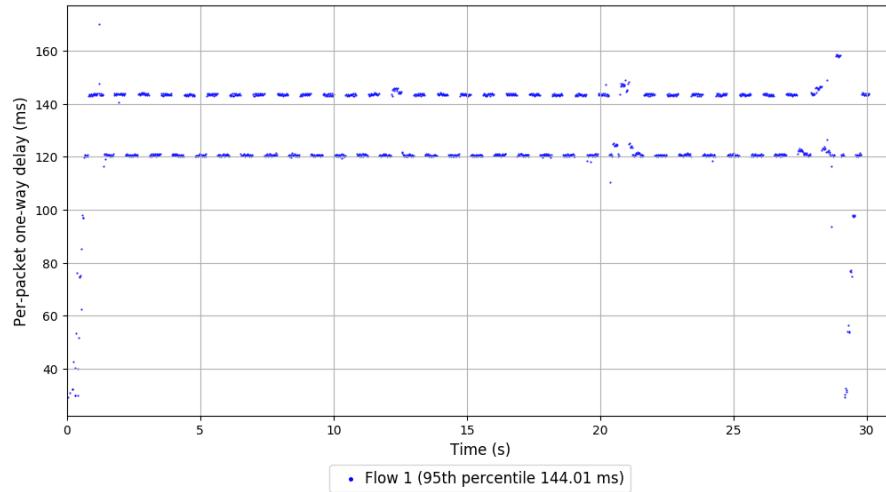
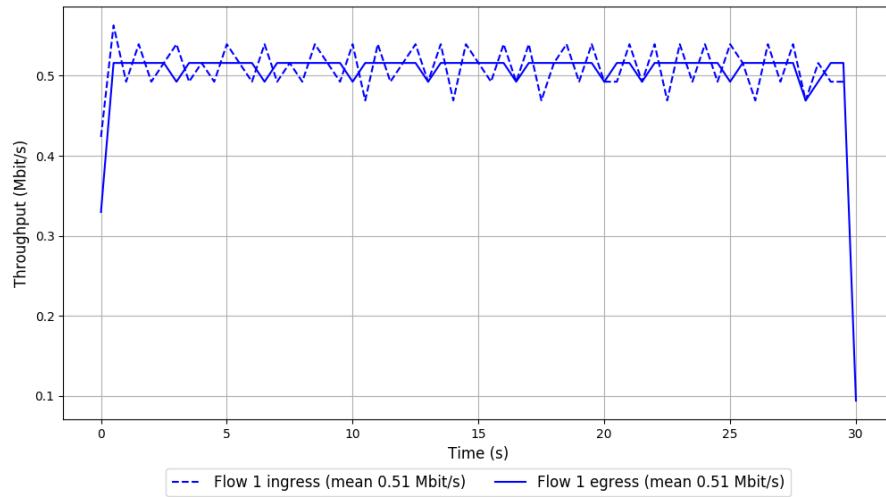


Run 4: Statistics of LEDBAT

```
Start at: 2017-08-21 21:36:43
End at: 2017-08-21 21:37:13
Local clock offset: 1.833 ms
Remote clock offset: 7.833 ms

# Below is generated by plot.py at 2017-08-21 23:38:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 144.014 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 144.014 ms
Loss rate: 0.08%
```

Run 4: Report of LEDBAT — Data Link

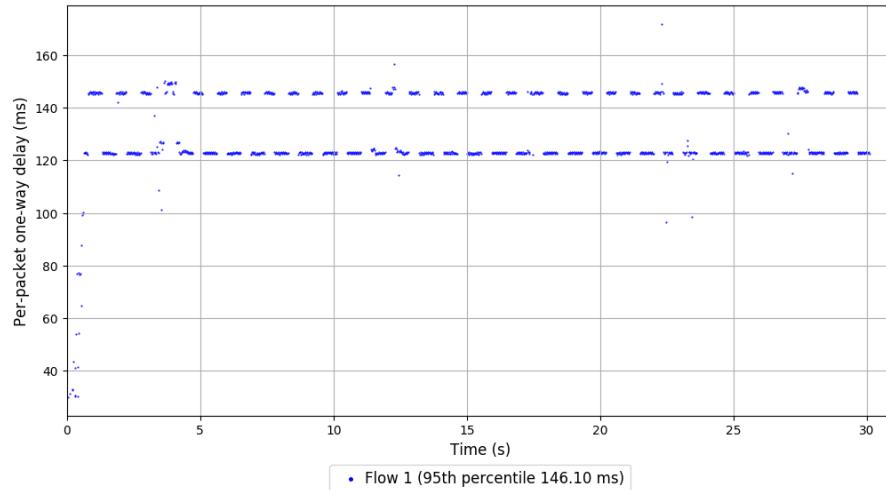
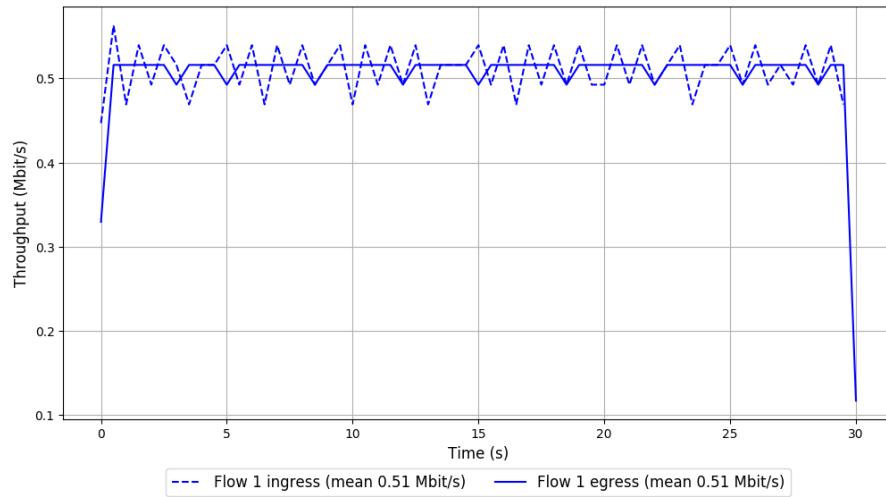


Run 5: Statistics of LEDBAT

```
Start at: 2017-08-21 21:54:07
End at: 2017-08-21 21:54:37
Local clock offset: -0.536 ms
Remote clock offset: 7.795 ms

# Below is generated by plot.py at 2017-08-21 23:38:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 146.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 146.105 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

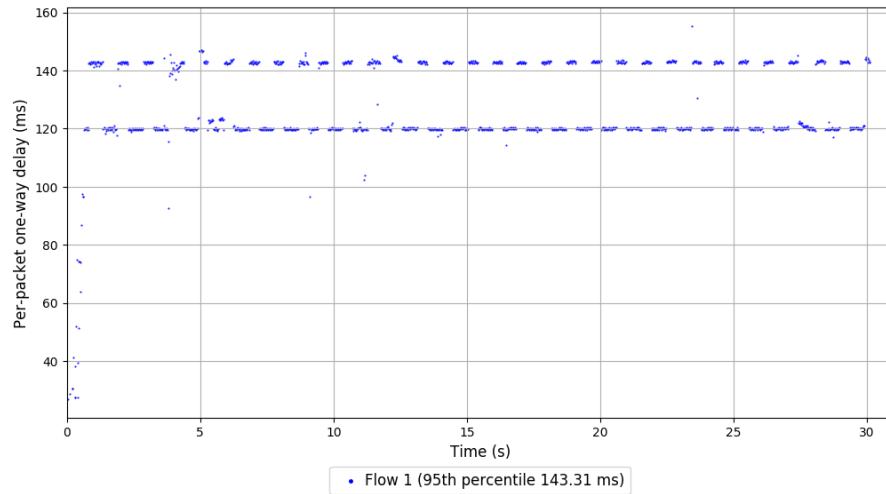
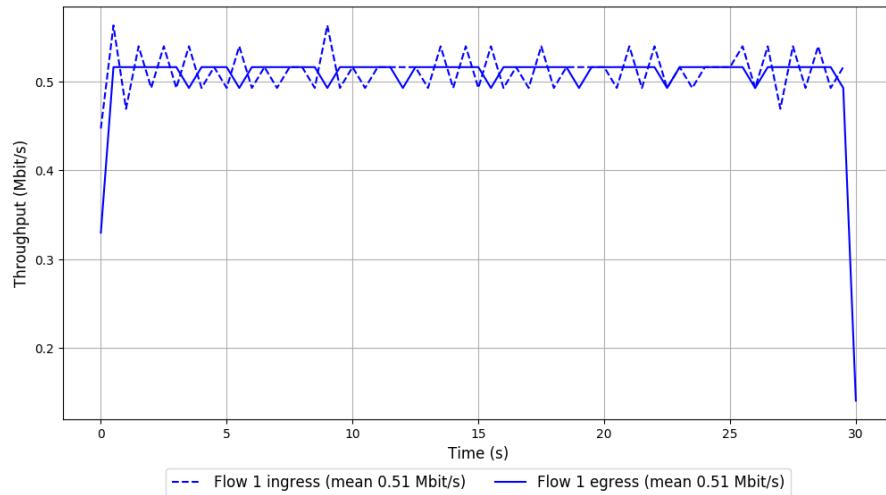


Run 6: Statistics of LEDBAT

```
Start at: 2017-08-21 22:11:31
End at: 2017-08-21 22:12:01
Local clock offset: 2.815 ms
Remote clock offset: 6.764 ms

# Below is generated by plot.py at 2017-08-21 23:38:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 143.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 143.309 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

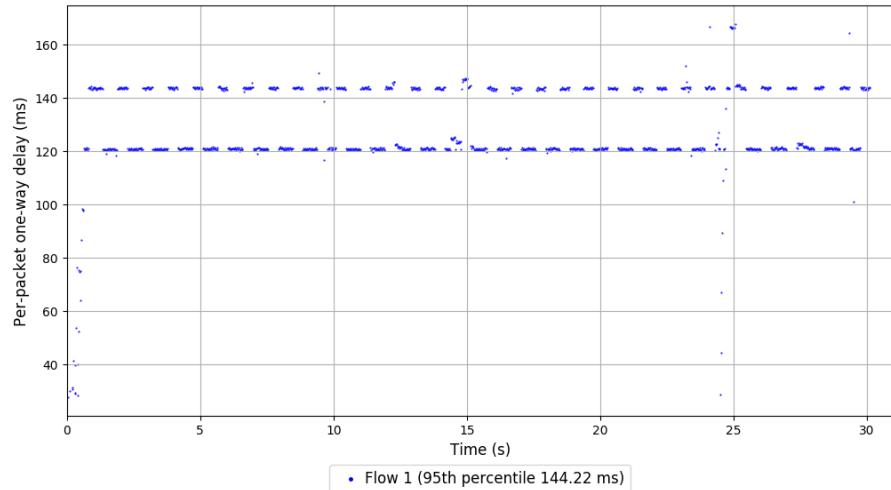
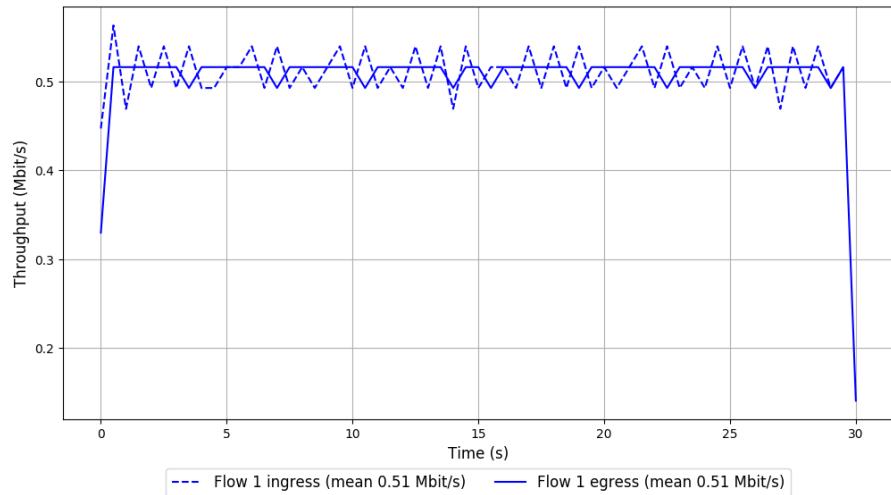


Run 7: Statistics of LEDBAT

```
Start at: 2017-08-21 22:28:55
End at: 2017-08-21 22:29:26
Local clock offset: 2.083 ms
Remote clock offset: 7.09 ms

# Below is generated by plot.py at 2017-08-21 23:38:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 144.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 144.216 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

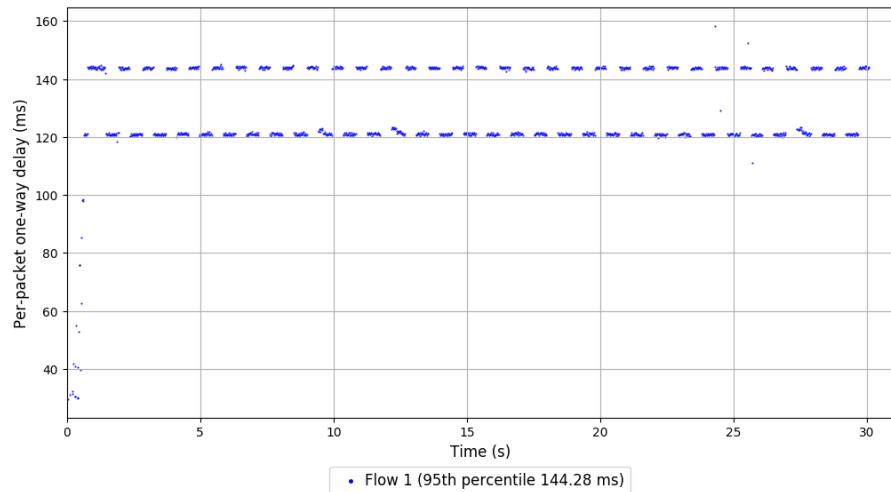
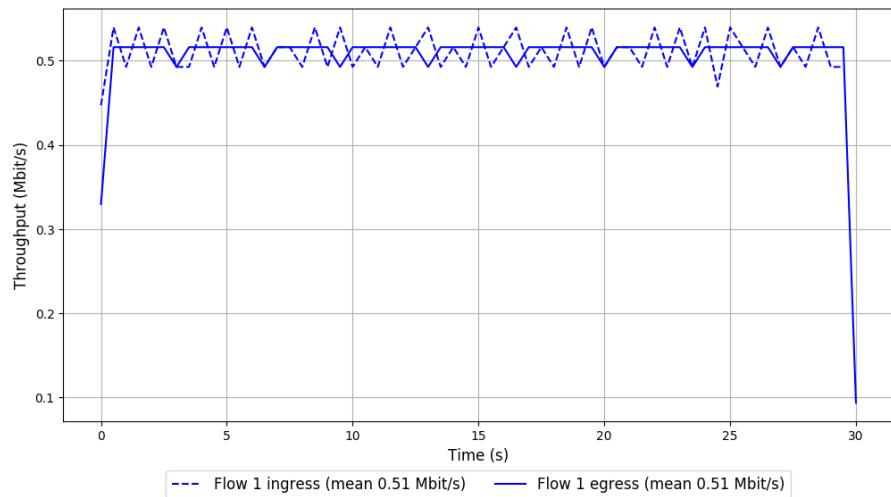


Run 8: Statistics of LEDBAT

```
Start at: 2017-08-21 22:46:26
End at: 2017-08-21 22:46:56
Local clock offset: -0.329 ms
Remote clock offset: 6.564 ms

# Below is generated by plot.py at 2017-08-21 23:38:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 144.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 144.277 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

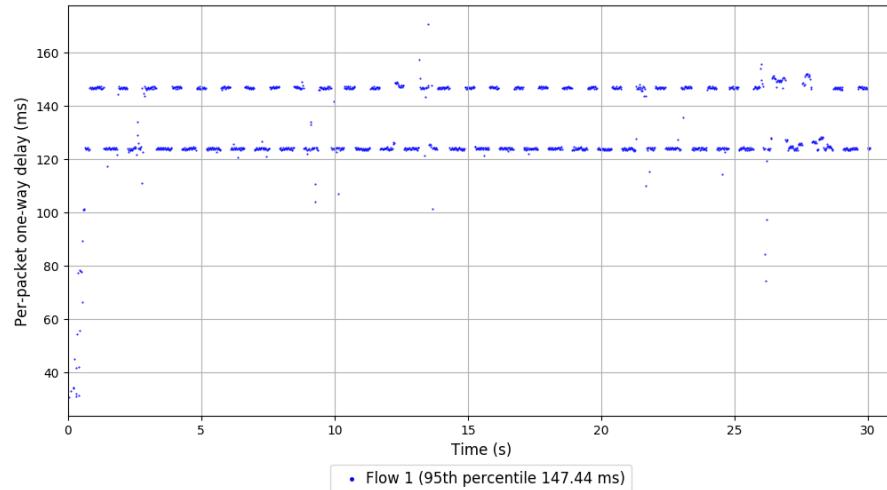
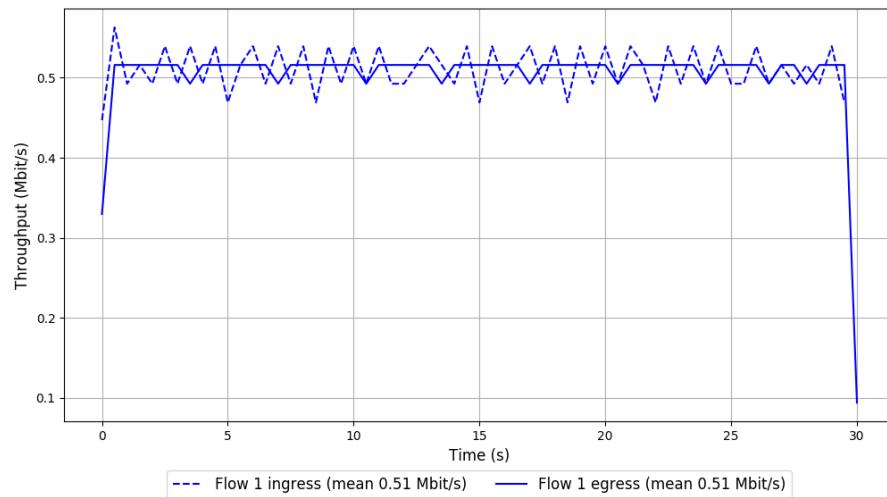


Run 9: Statistics of LEDBAT

```
Start at: 2017-08-21 23:04:01
End at: 2017-08-21 23:04:31
Local clock offset: -1.724 ms
Remote clock offset: 6.831 ms

# Below is generated by plot.py at 2017-08-21 23:38:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 147.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 147.441 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

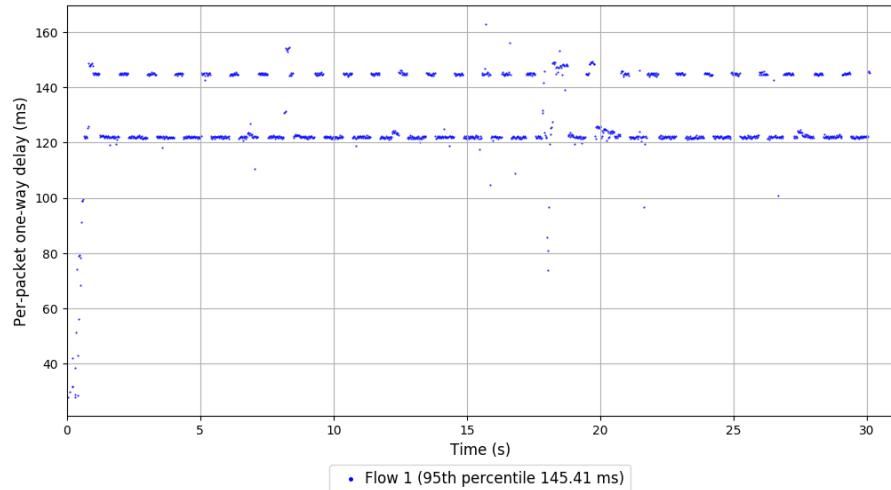
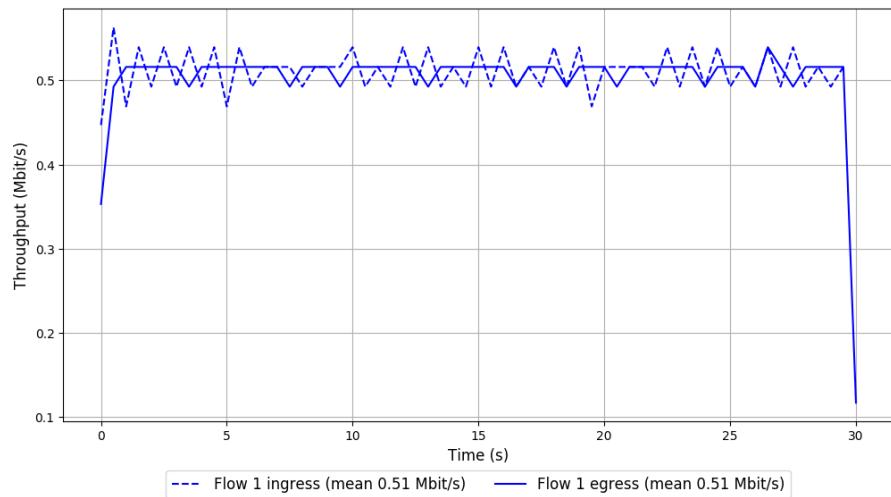


Run 10: Statistics of LEDBAT

```
Start at: 2017-08-21 23:21:27
End at: 2017-08-21 23:21:57
Local clock offset: 0.068 ms
Remote clock offset: 7.164 ms

# Below is generated by plot.py at 2017-08-21 23:38:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 145.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 145.414 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

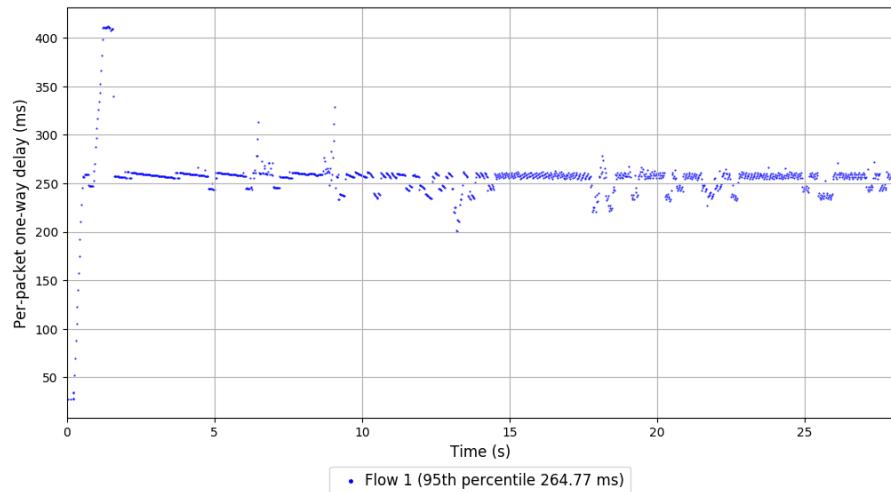
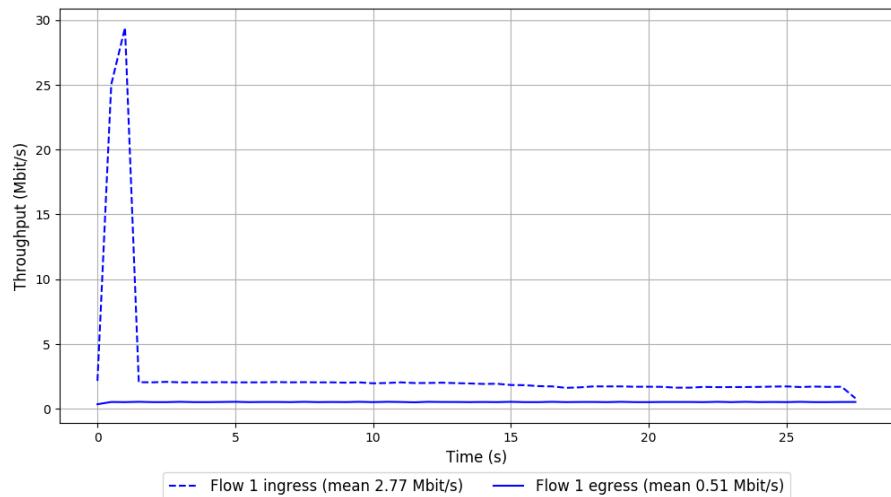


Run 1: Statistics of PCC

```
Start at: 2017-08-21 20:51:55
End at: 2017-08-21 20:52:25
Local clock offset: 3.943 ms
Remote clock offset: 7.043 ms

# Below is generated by plot.py at 2017-08-21 23:38:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 264.769 ms
Loss rate: 81.45%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 264.769 ms
Loss rate: 81.45%
```

Run 1: Report of PCC — Data Link

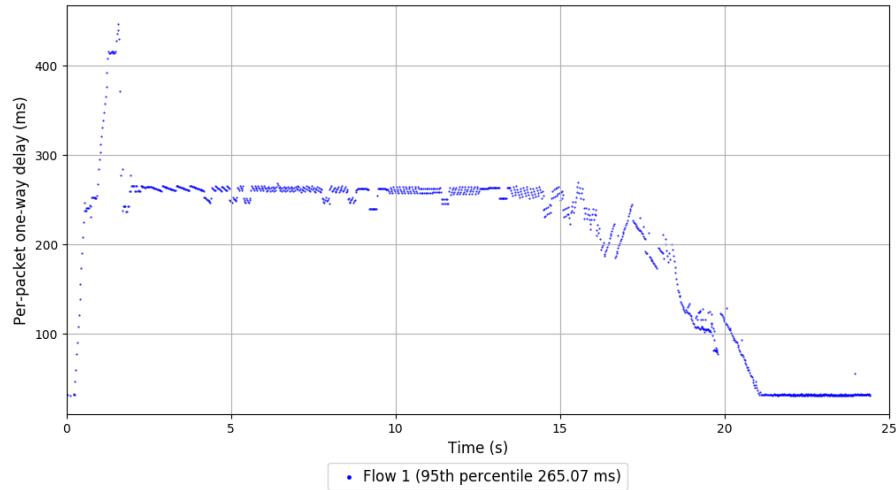
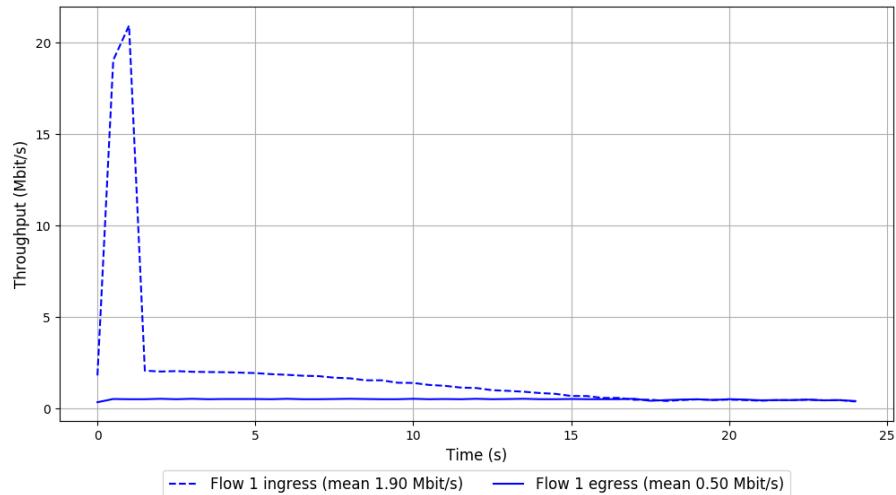


Run 2: Statistics of PCC

```
Start at: 2017-08-21 21:09:23
End at: 2017-08-21 21:09:53
Local clock offset: -0.125 ms
Remote clock offset: 7.754 ms

# Below is generated by plot.py at 2017-08-21 23:38:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 265.071 ms
Loss rate: 73.89%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 265.071 ms
Loss rate: 73.89%
```

Run 2: Report of PCC — Data Link

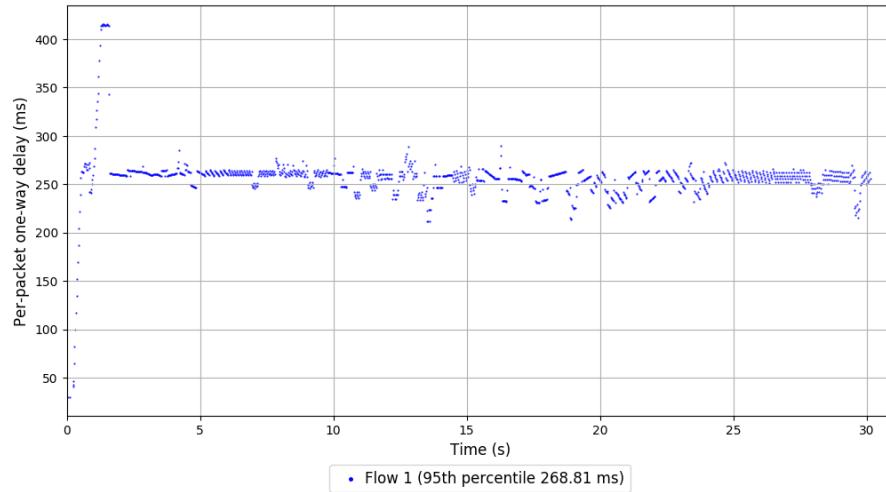
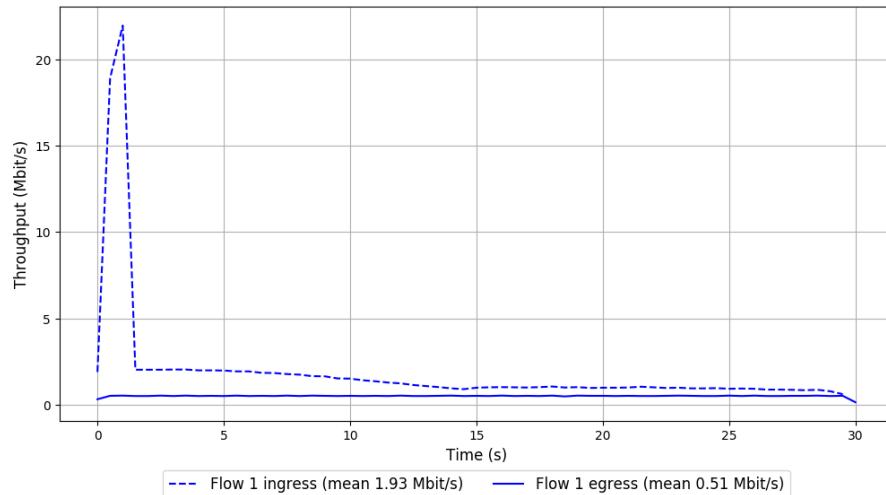


Run 3: Statistics of PCC

```
Start at: 2017-08-21 21:26:46
End at: 2017-08-21 21:27:16
Local clock offset: -1.534 ms
Remote clock offset: 7.235 ms

# Below is generated by plot.py at 2017-08-21 23:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 268.810 ms
Loss rate: 73.31%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 268.810 ms
Loss rate: 73.31%
```

Run 3: Report of PCC — Data Link

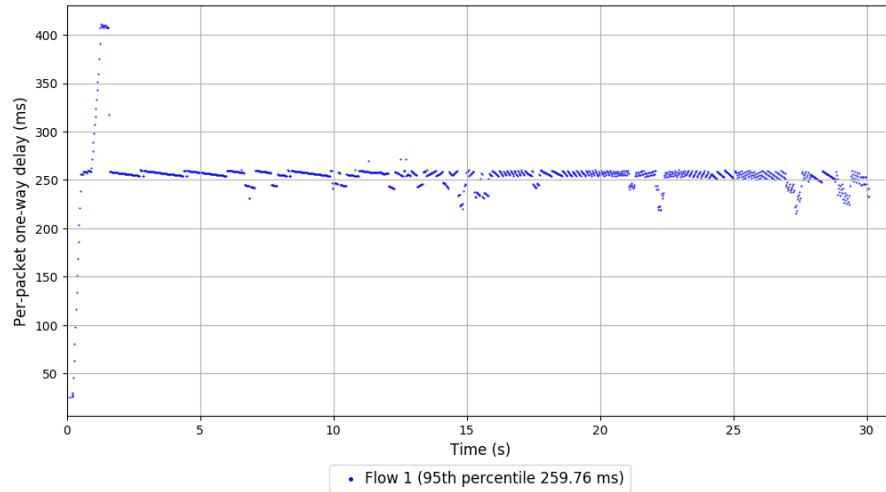
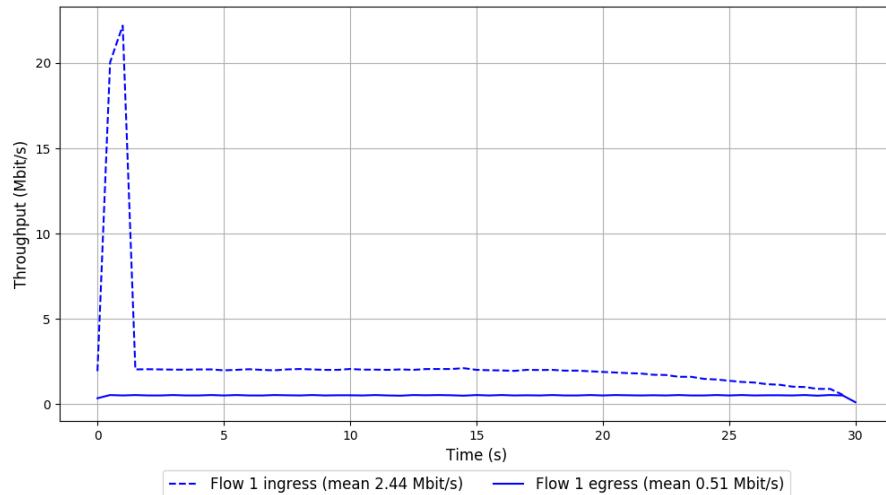


Run 4: Statistics of PCC

```
Start at: 2017-08-21 21:44:09
End at: 2017-08-21 21:44:39
Local clock offset: 2.782 ms
Remote clock offset: 7.048 ms

# Below is generated by plot.py at 2017-08-21 23:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 259.761 ms
Loss rate: 78.95%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 259.761 ms
Loss rate: 78.95%
```

Run 4: Report of PCC — Data Link

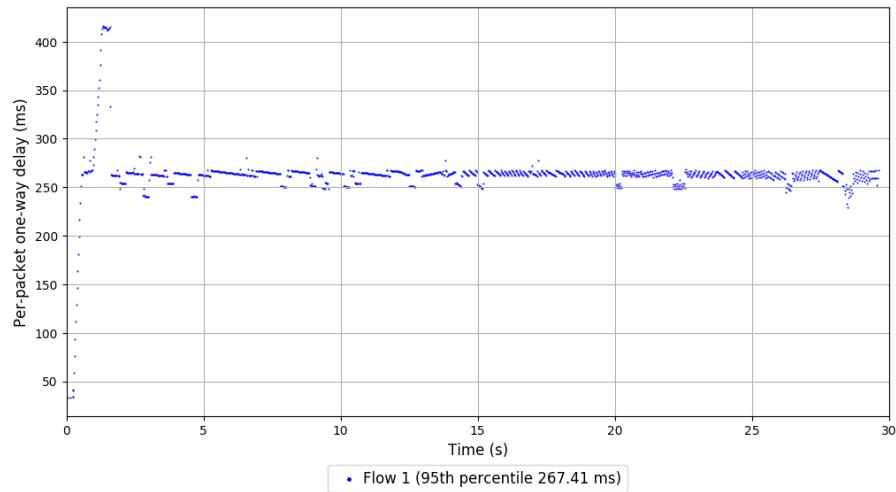
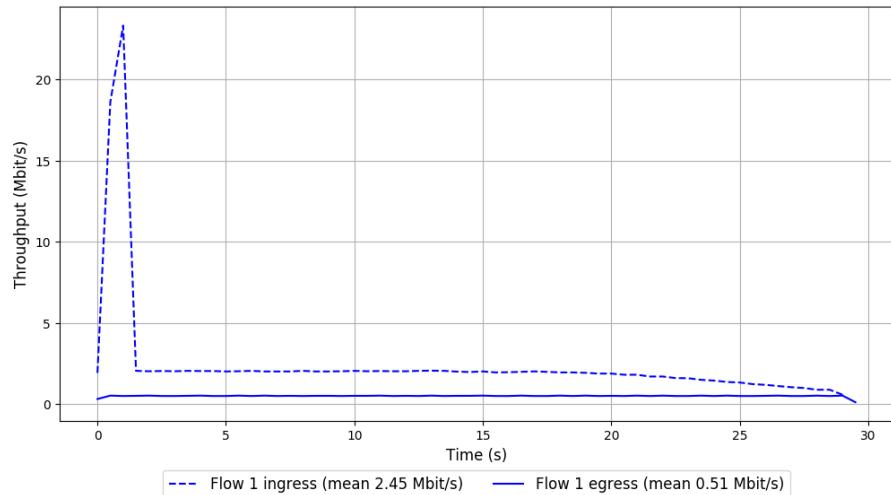


Run 5: Statistics of PCC

```
Start at: 2017-08-21 22:01:33
End at: 2017-08-21 22:02:03
Local clock offset: -1.388 ms
Remote clock offset: 8.562 ms

# Below is generated by plot.py at 2017-08-21 23:38:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 267.412 ms
Loss rate: 79.02%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 267.412 ms
Loss rate: 79.02%
```

Run 5: Report of PCC — Data Link

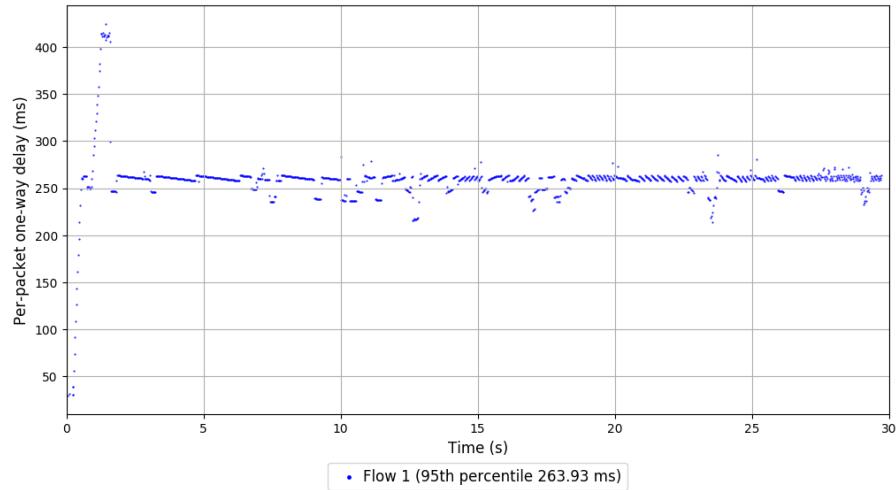
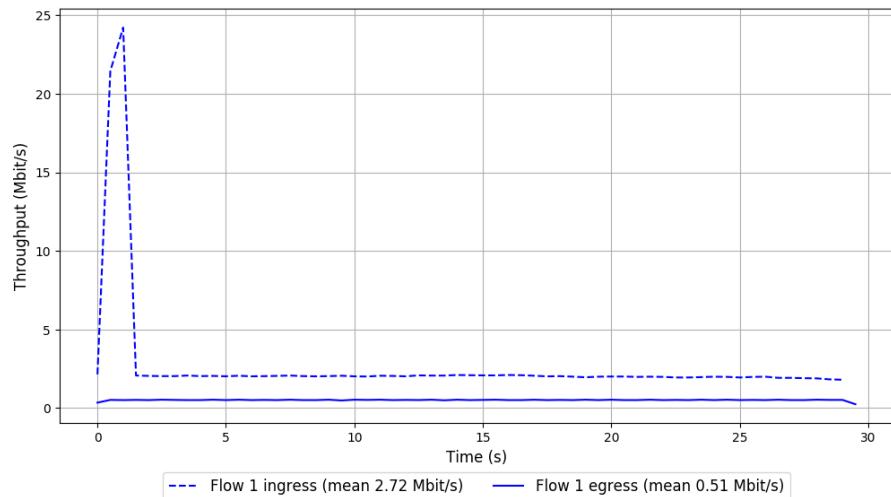


Run 6: Statistics of PCC

```
Start at: 2017-08-21 22:18:57
End at: 2017-08-21 22:19:27
Local clock offset: 0.886 ms
Remote clock offset: 7.21 ms

# Below is generated by plot.py at 2017-08-21 23:38:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 263.925 ms
Loss rate: 81.07%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 263.925 ms
Loss rate: 81.07%
```

Run 6: Report of PCC — Data Link

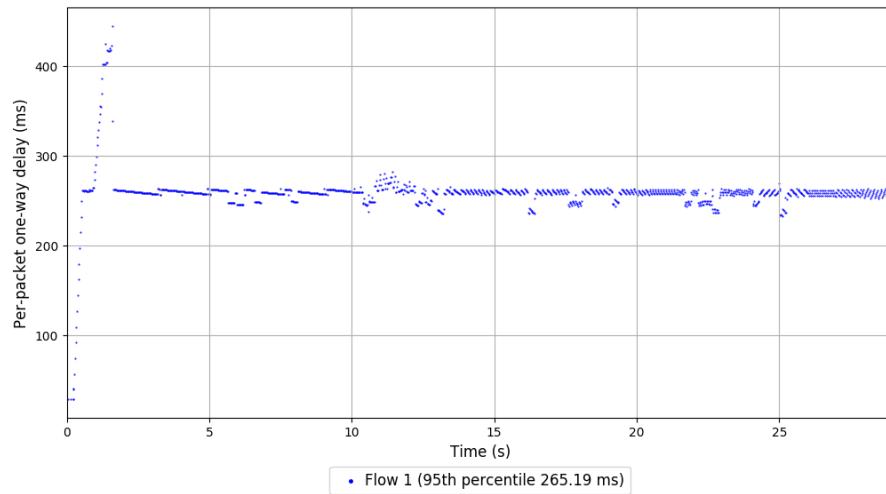
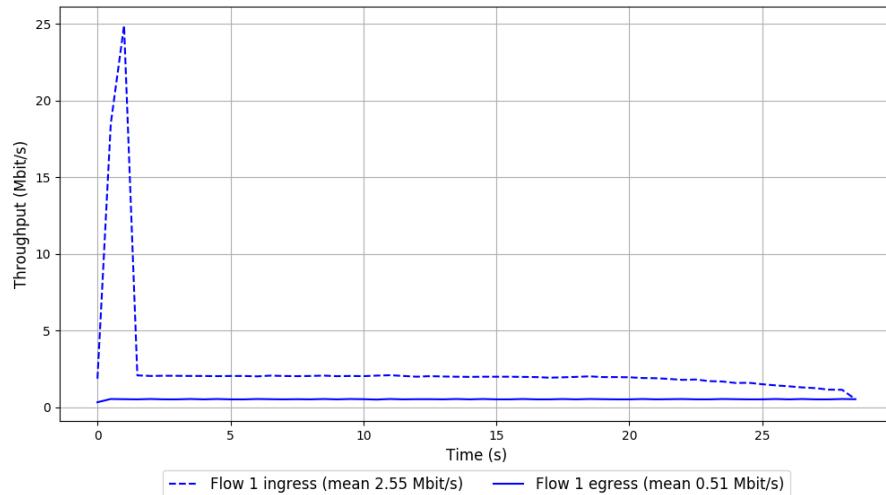


Run 7: Statistics of PCC

```
Start at: 2017-08-21 22:36:24
End at: 2017-08-21 22:36:54
Local clock offset: 1.719 ms
Remote clock offset: 7.669 ms

# Below is generated by plot.py at 2017-08-21 23:38:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 265.191 ms
Loss rate: 79.83%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 265.191 ms
Loss rate: 79.83%
```

Run 7: Report of PCC — Data Link

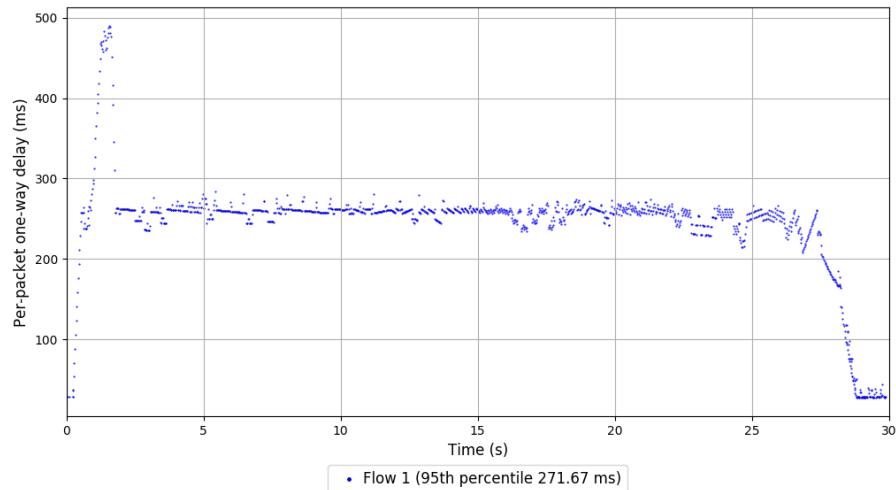
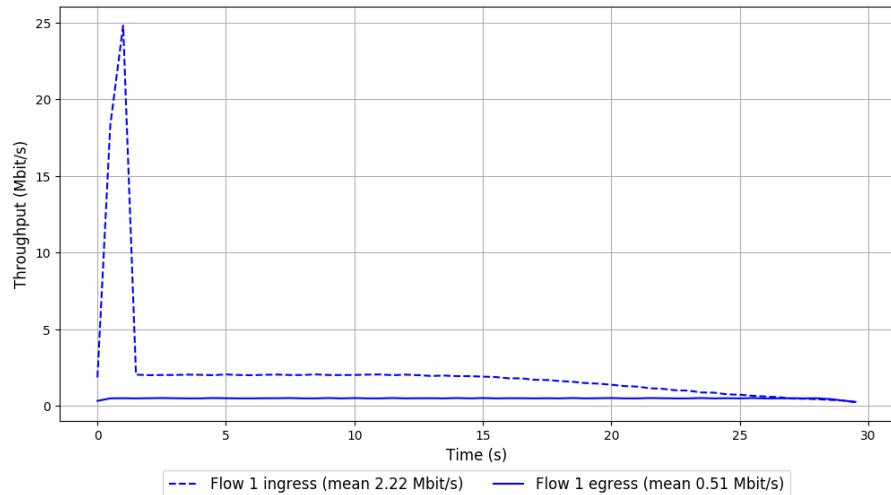


Run 8: Statistics of PCC

```
Start at: 2017-08-21 22:53:54
End at: 2017-08-21 22:54:24
Local clock offset: 2.146 ms
Remote clock offset: 7.659 ms

# Below is generated by plot.py at 2017-08-21 23:38:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 271.668 ms
Loss rate: 77.26%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 271.668 ms
Loss rate: 77.26%
```

Run 8: Report of PCC — Data Link

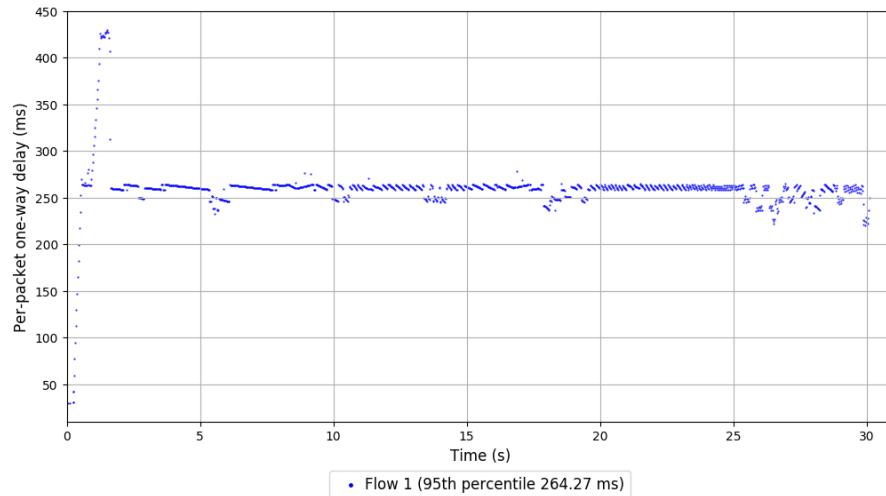
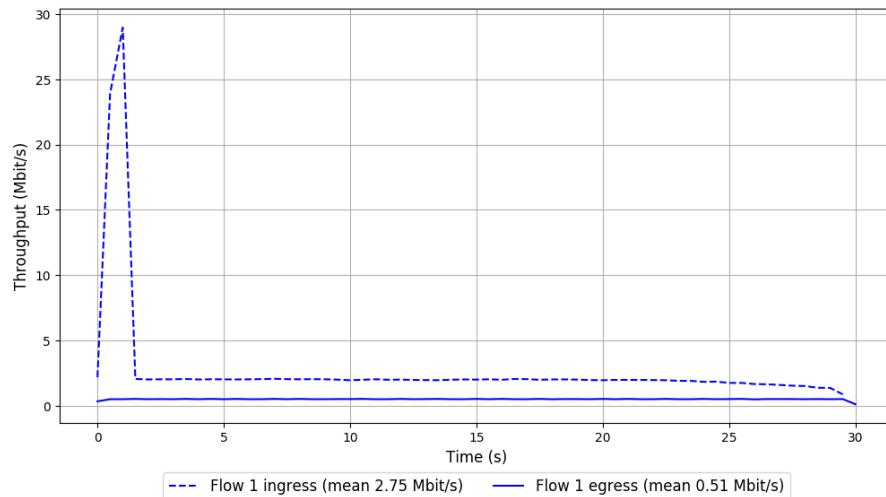


Run 9: Statistics of PCC

```
Start at: 2017-08-21 23:11:27
End at: 2017-08-21 23:11:57
Local clock offset: 0.289 ms
Remote clock offset: 7.651 ms

# Below is generated by plot.py at 2017-08-21 23:38:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 264.269 ms
Loss rate: 81.28%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 264.269 ms
Loss rate: 81.28%
```

Run 9: Report of PCC — Data Link

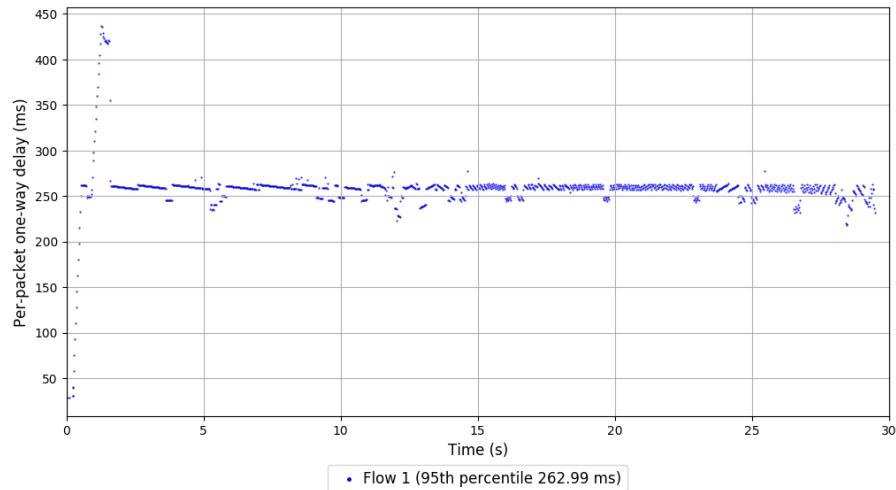
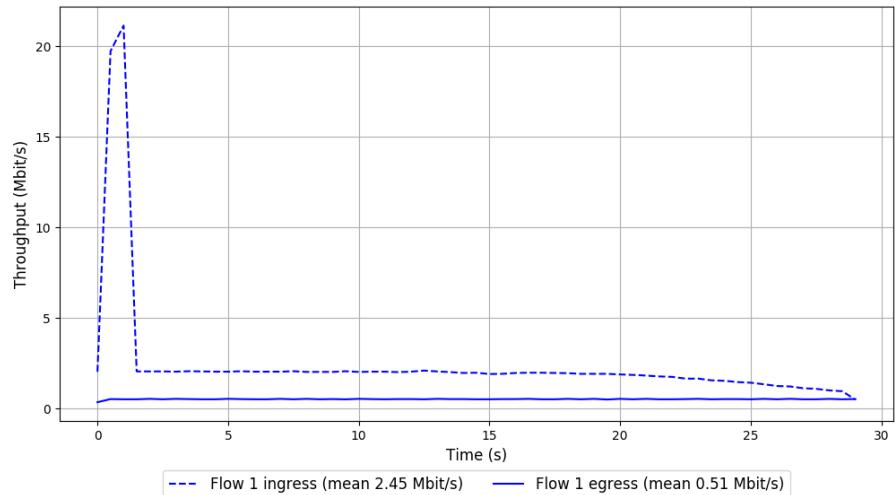


Run 10: Statistics of PCC

```
Start at: 2017-08-21 23:28:53
End at: 2017-08-21 23:29:23
Local clock offset: -0.946 ms
Remote clock offset: 7.062 ms

# Below is generated by plot.py at 2017-08-21 23:38:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 262.993 ms
Loss rate: 79.04%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 262.993 ms
Loss rate: 79.04%
```

Run 10: Report of PCC — Data Link

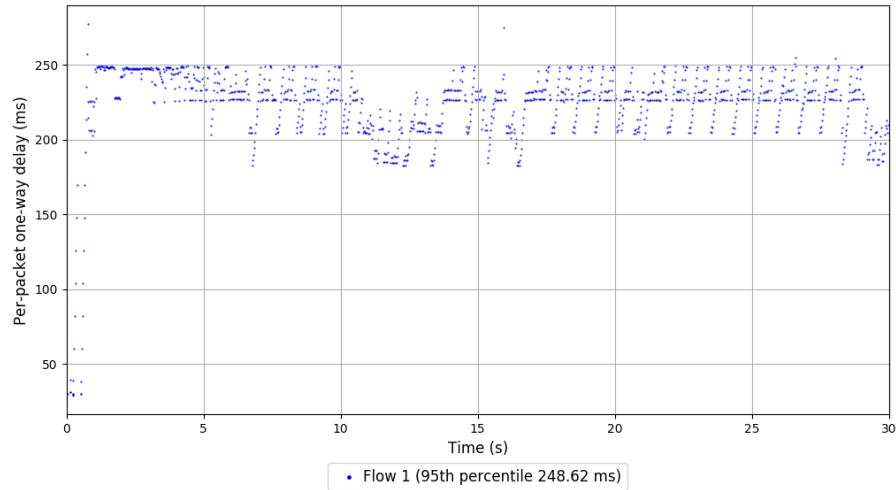
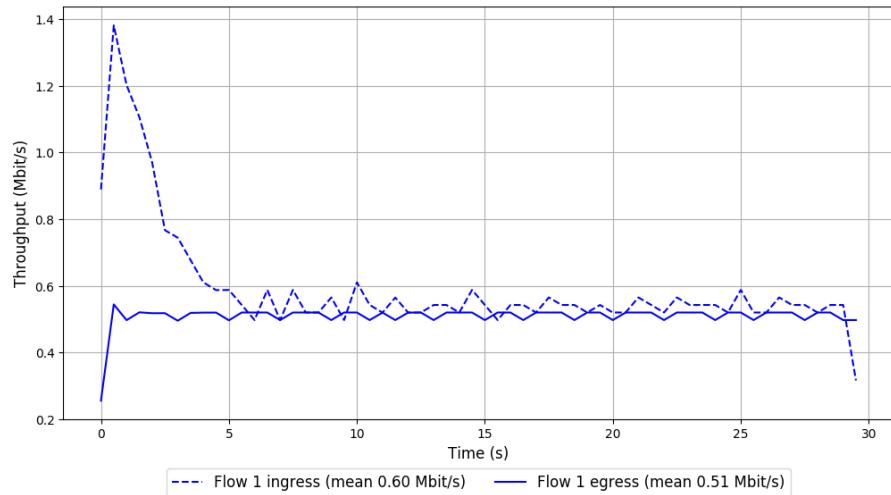


Run 1: Statistics of QUIC Cubic

```
Start at: 2017-08-21 20:53:10
End at: 2017-08-21 20:53:40
Local clock offset: -0.852 ms
Remote clock offset: 6.772 ms

# Below is generated by plot.py at 2017-08-21 23:38:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 248.616 ms
Loss rate: 14.55%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 248.616 ms
Loss rate: 14.55%
```

Run 1: Report of QUIC Cubic — Data Link

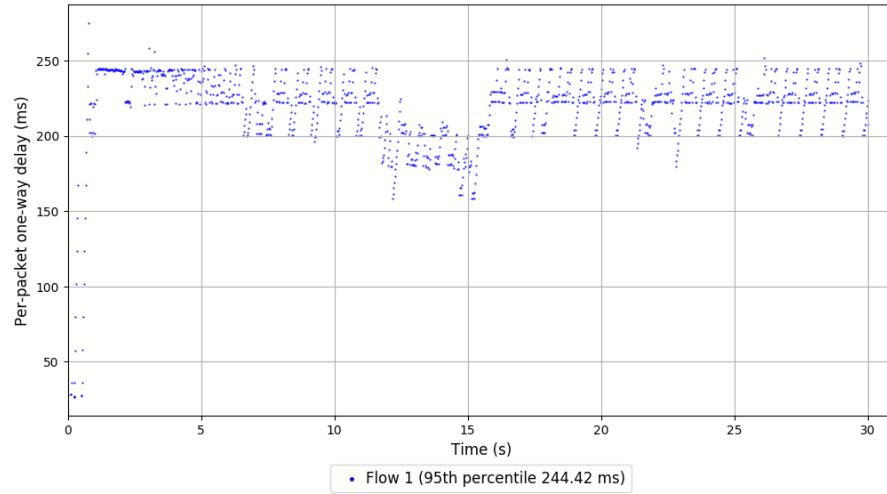
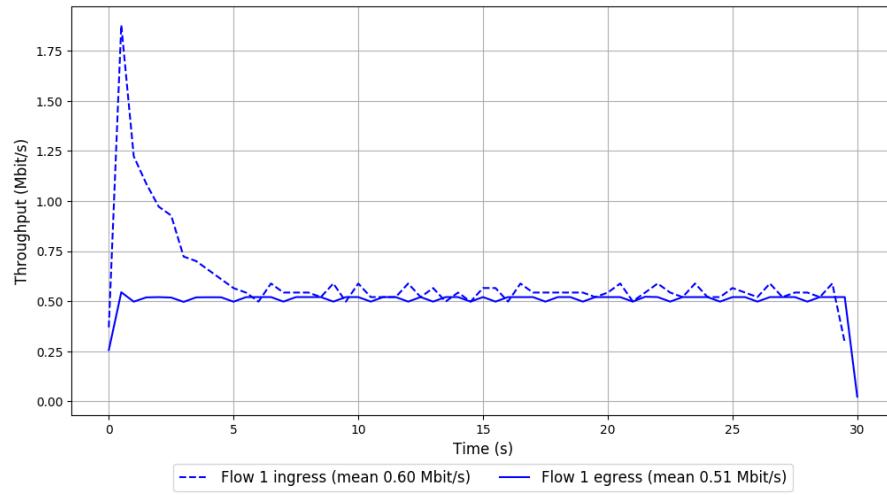


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-08-21 21:10:36
End at: 2017-08-21 21:11:06
Local clock offset: 2.468 ms
Remote clock offset: 7.305 ms

# Below is generated by plot.py at 2017-08-21 23:38:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 244.416 ms
Loss rate: 15.14%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 244.416 ms
Loss rate: 15.14%
```

Run 2: Report of QUIC Cubic — Data Link

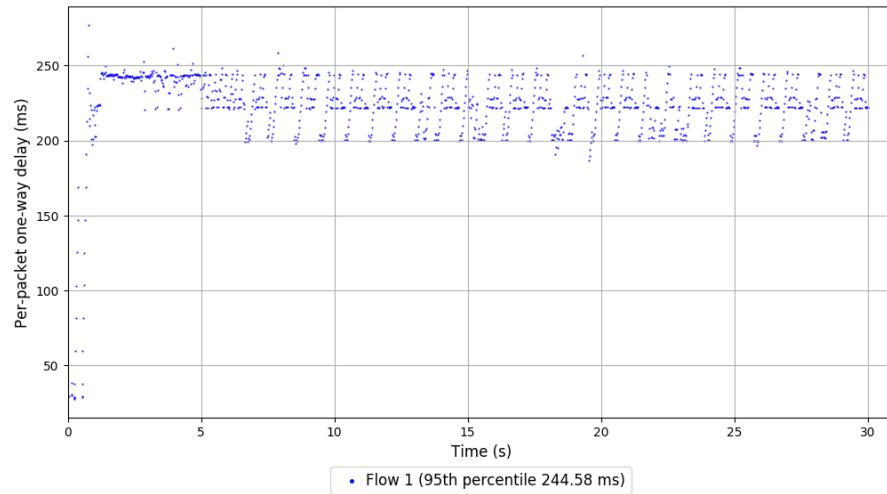
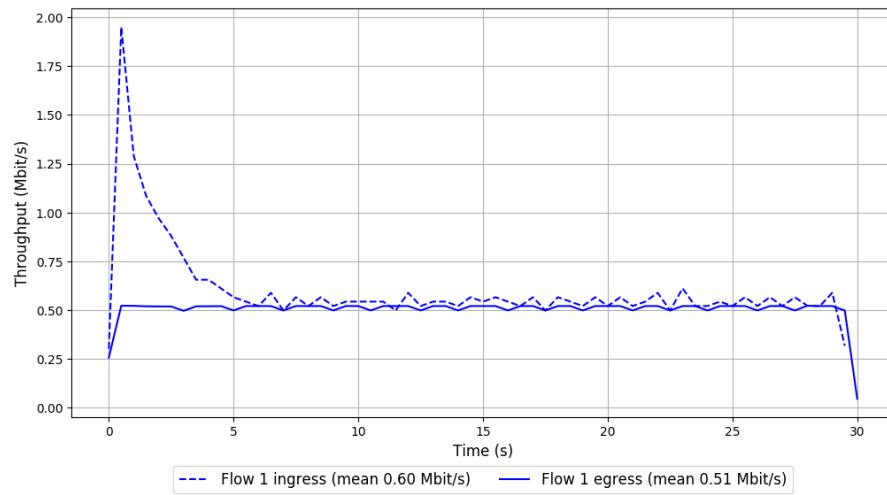


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-08-21 21:28:01
End at: 2017-08-21 21:28:31
Local clock offset: 2.631 ms
Remote clock offset: 7.611 ms

# Below is generated by plot.py at 2017-08-21 23:38:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 244.577 ms
Loss rate: 15.06%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 244.577 ms
Loss rate: 15.06%
```

Run 3: Report of QUIC Cubic — Data Link

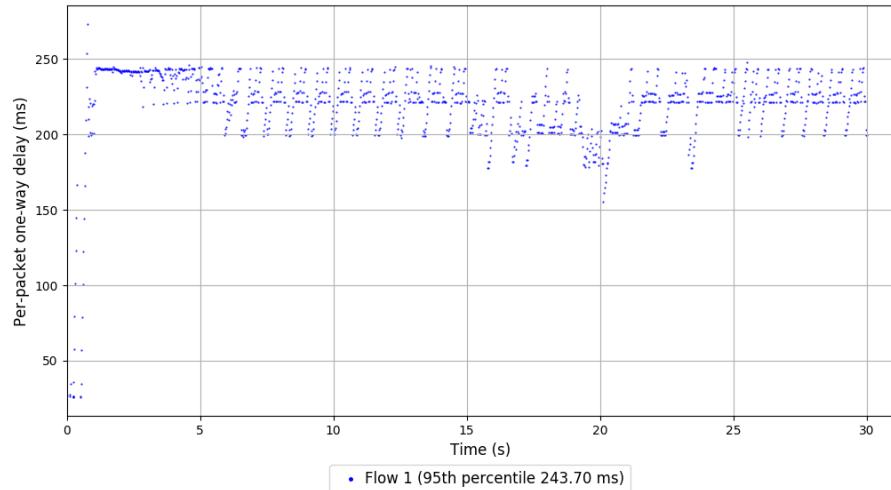
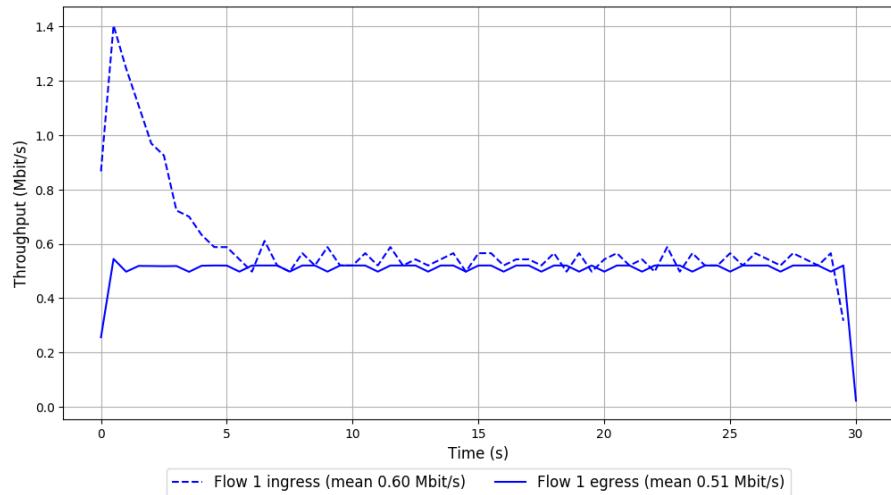


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-08-21 21:45:24
End at: 2017-08-21 21:45:54
Local clock offset: 2.63 ms
Remote clock offset: 6.901 ms

# Below is generated by plot.py at 2017-08-21 23:38:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 243.702 ms
Loss rate: 14.91%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 243.702 ms
Loss rate: 14.91%
```

Run 4: Report of QUIC Cubic — Data Link

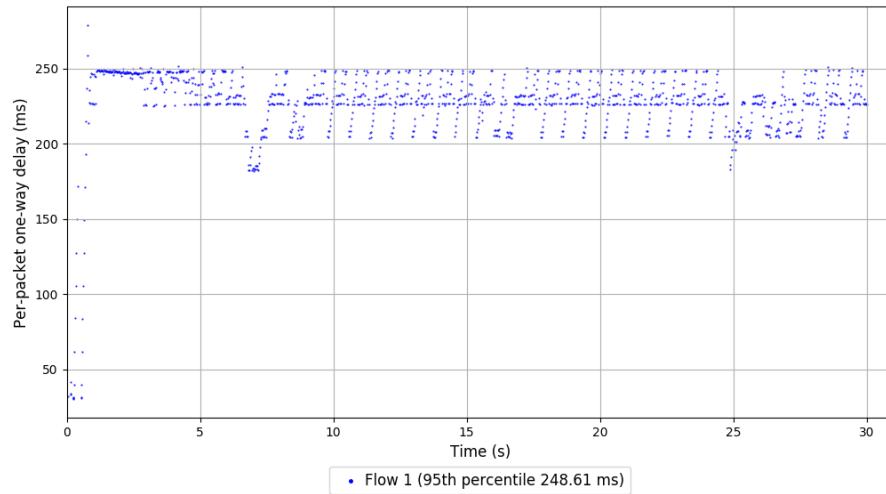
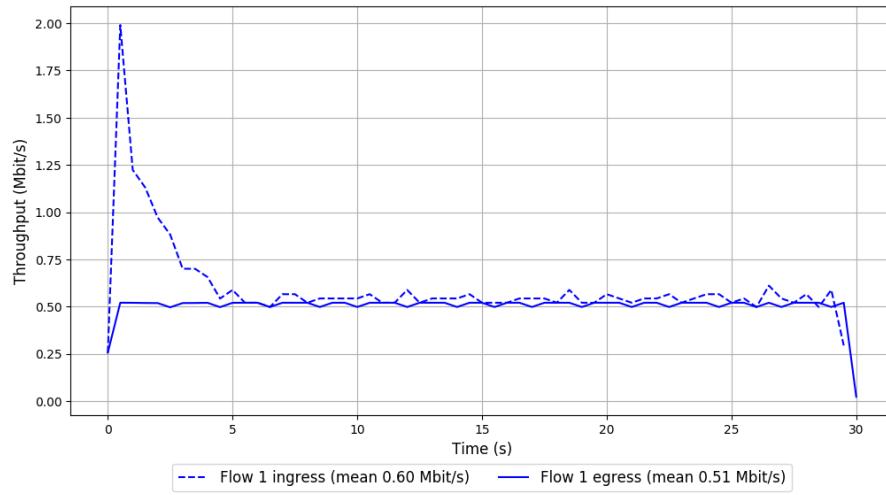


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-08-21 22:02:49
End at: 2017-08-21 22:03:19
Local clock offset: -0.659 ms
Remote clock offset: 7.348 ms

# Below is generated by plot.py at 2017-08-21 23:38:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 248.612 ms
Loss rate: 14.76%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 248.612 ms
Loss rate: 14.76%
```

Run 5: Report of QUIC Cubic — Data Link

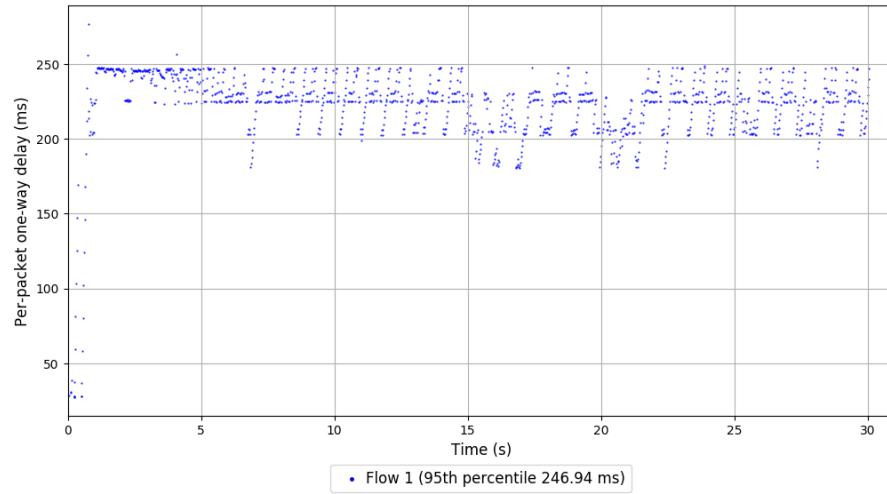
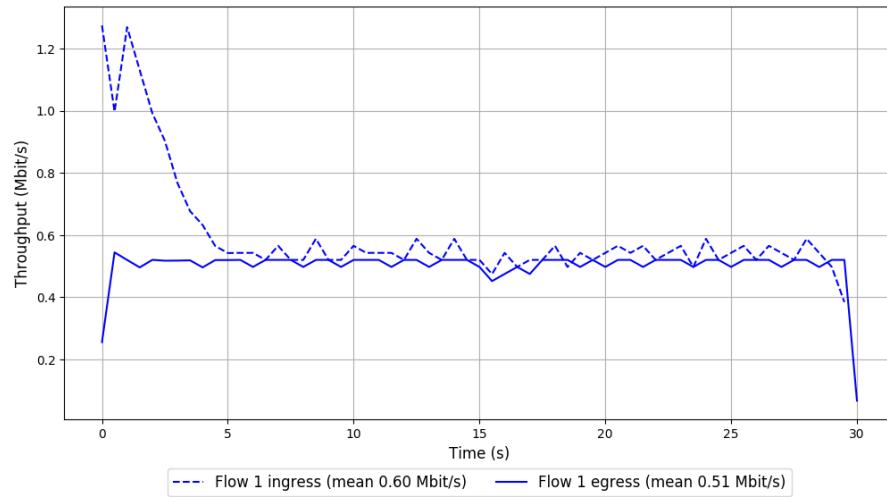


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-08-21 22:20:14
End at: 2017-08-21 22:20:44
Local clock offset: 0.848 ms
Remote clock offset: 7.131 ms

# Below is generated by plot.py at 2017-08-21 23:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 246.941 ms
Loss rate: 15.21%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 246.941 ms
Loss rate: 15.21%
```

Run 6: Report of QUIC Cubic — Data Link

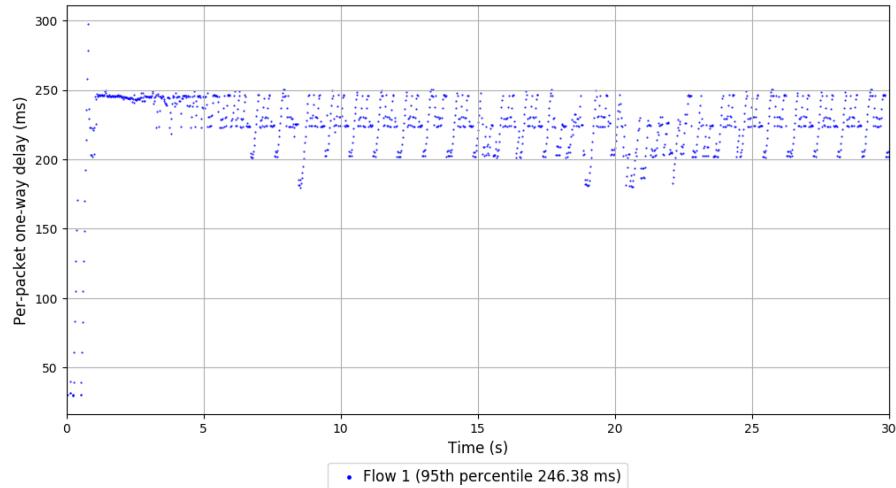
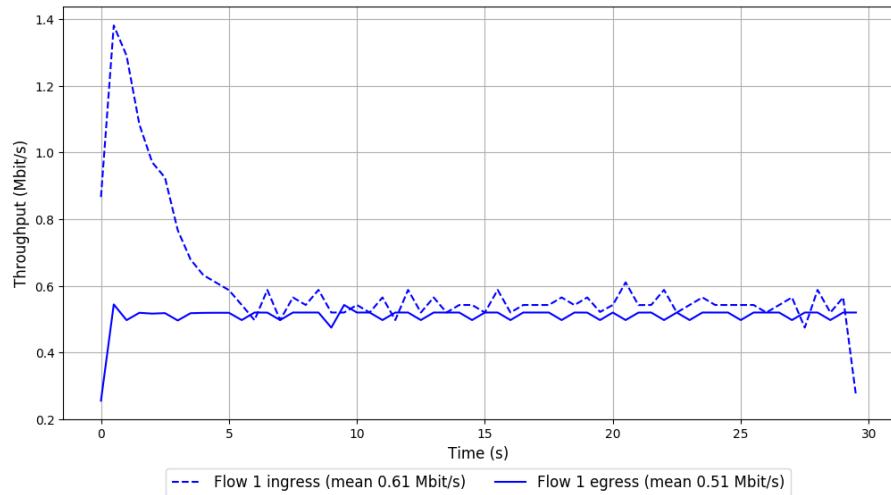


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-08-21 22:37:38
End at: 2017-08-21 22:38:08
Local clock offset: 0.315 ms
Remote clock offset: 7.327 ms

# Below is generated by plot.py at 2017-08-21 23:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 246.377 ms
Loss rate: 15.51%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 246.377 ms
Loss rate: 15.51%
```

Run 7: Report of QUIC Cubic — Data Link

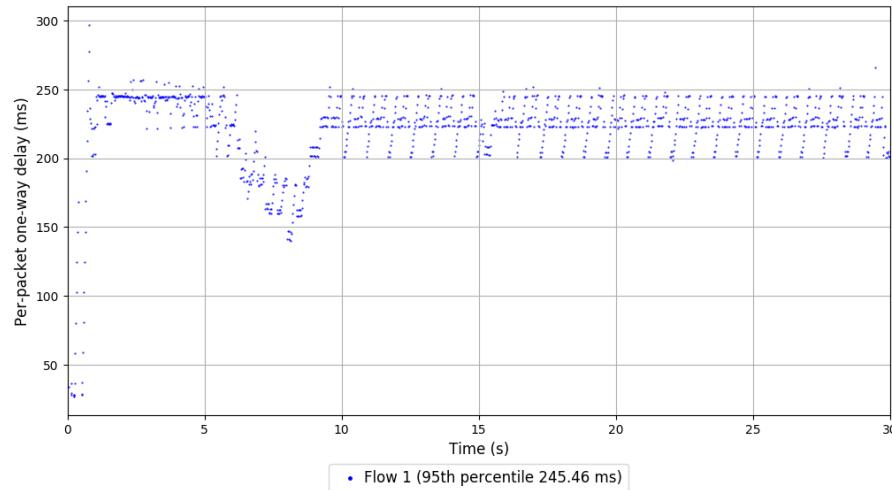
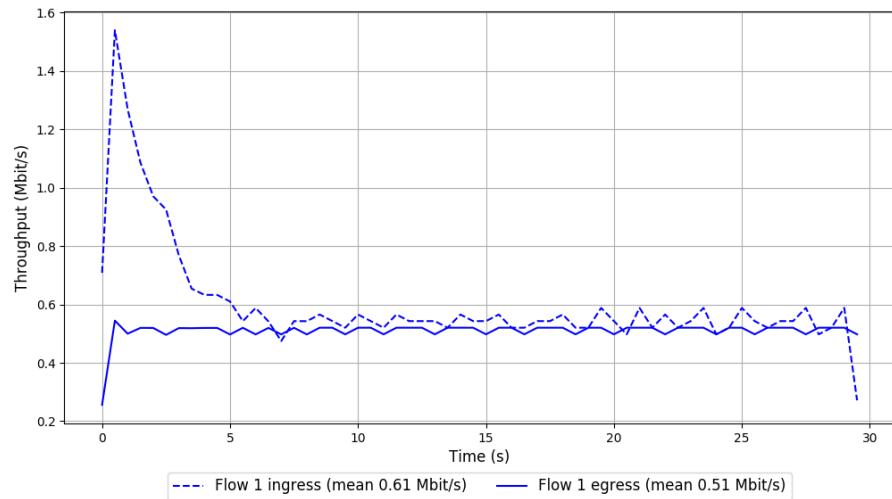


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-08-21 22:55:17
End at: 2017-08-21 22:55:47
Local clock offset: 1.763 ms
Remote clock offset: 7.018 ms

# Below is generated by plot.py at 2017-08-21 23:38:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 245.462 ms
Loss rate: 15.40%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 245.462 ms
Loss rate: 15.40%
```

Run 8: Report of QUIC Cubic — Data Link

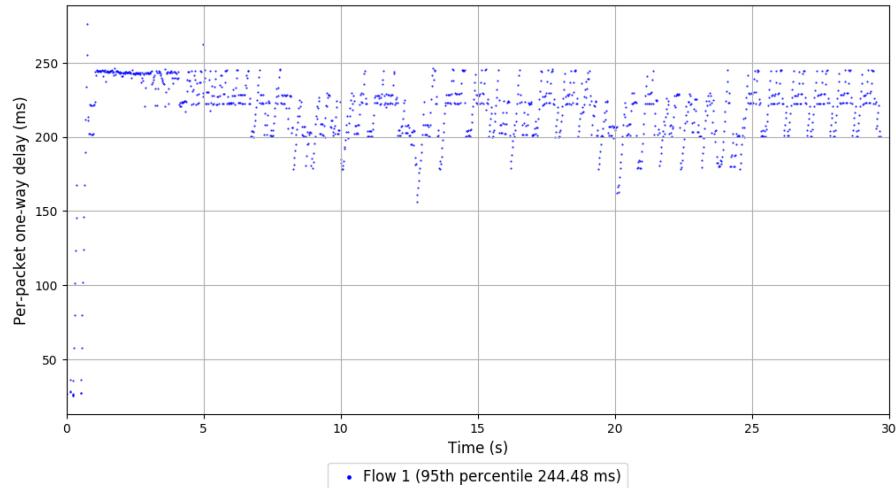
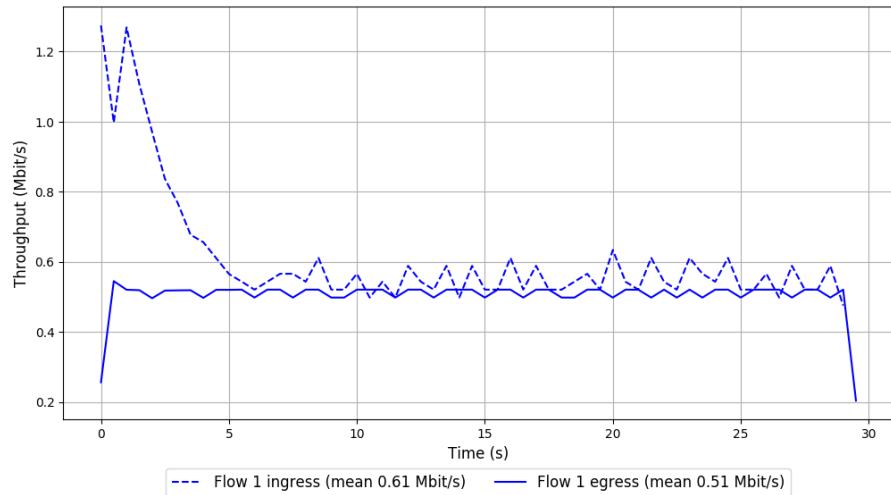


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-08-21 23:12:44
End at: 2017-08-21 23:13:14
Local clock offset: 1.217 ms
Remote clock offset: 6.943 ms

# Below is generated by plot.py at 2017-08-21 23:38:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 244.482 ms
Loss rate: 16.09%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 244.482 ms
Loss rate: 16.09%
```

Run 9: Report of QUIC Cubic — Data Link

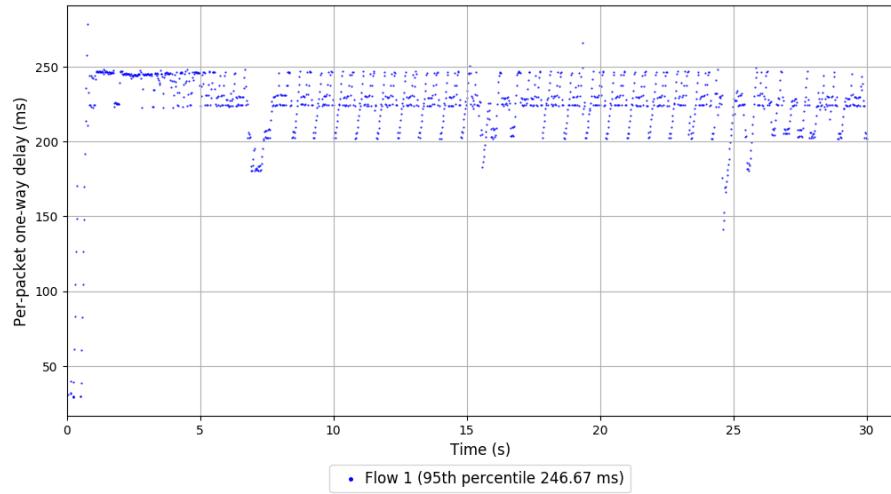
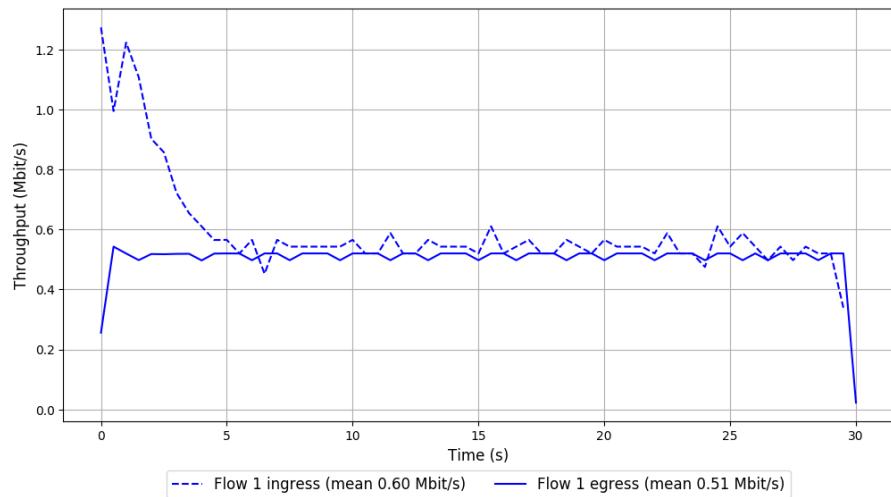


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-08-21 23:30:08
End at: 2017-08-21 23:30:38
Local clock offset: -0.335 ms
Remote clock offset: 6.39 ms

# Below is generated by plot.py at 2017-08-21 23:38:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 246.672 ms
Loss rate: 14.25%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 246.672 ms
Loss rate: 14.25%
```

Run 10: Report of QUIC Cubic — Data Link

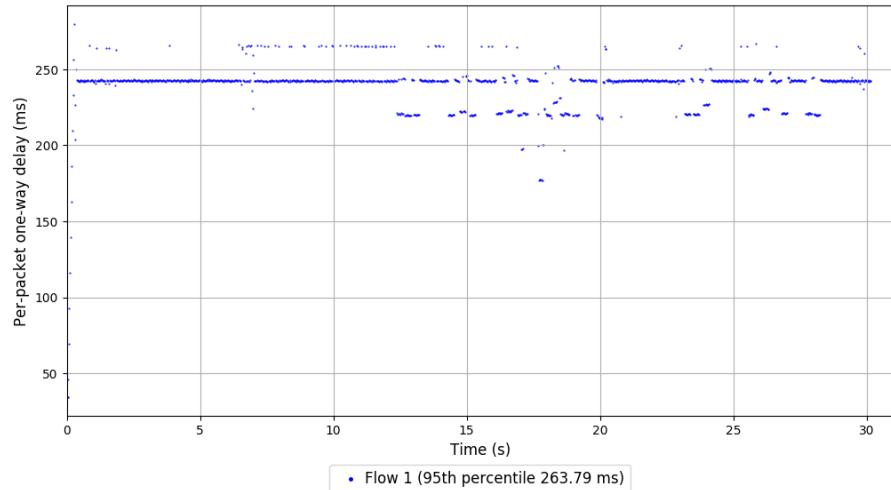
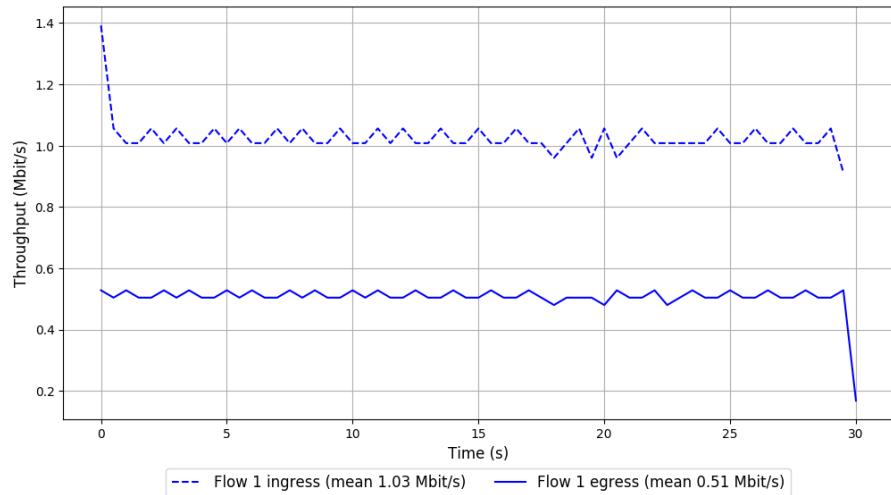


```
Run 1: Statistics of Saturator
```

```
Start at: 2017-08-21 20:58:09
End at: 2017-08-21 20:58:39
Local clock offset: 0.231 ms
Remote clock offset: 7.112 ms

# Below is generated by plot.py at 2017-08-21 23:38:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 263.786 ms
Loss rate: 49.92%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 263.786 ms
Loss rate: 49.92%
```

Run 1: Report of Saturator — Data Link

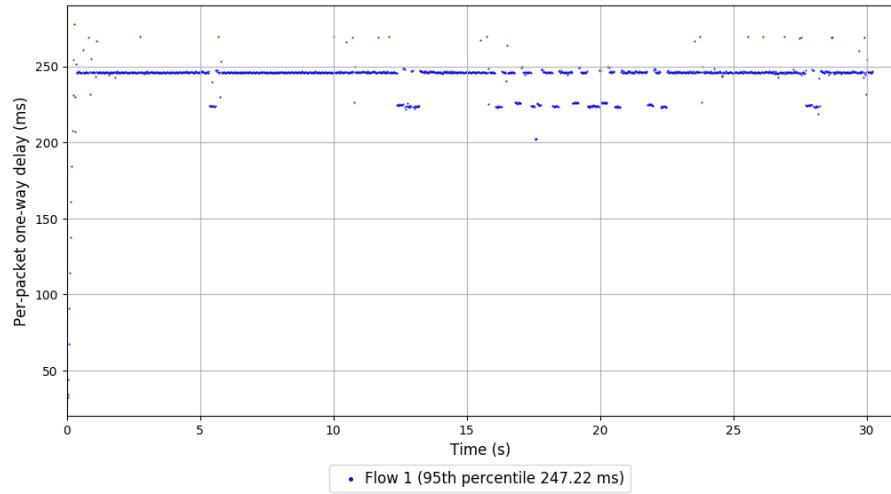
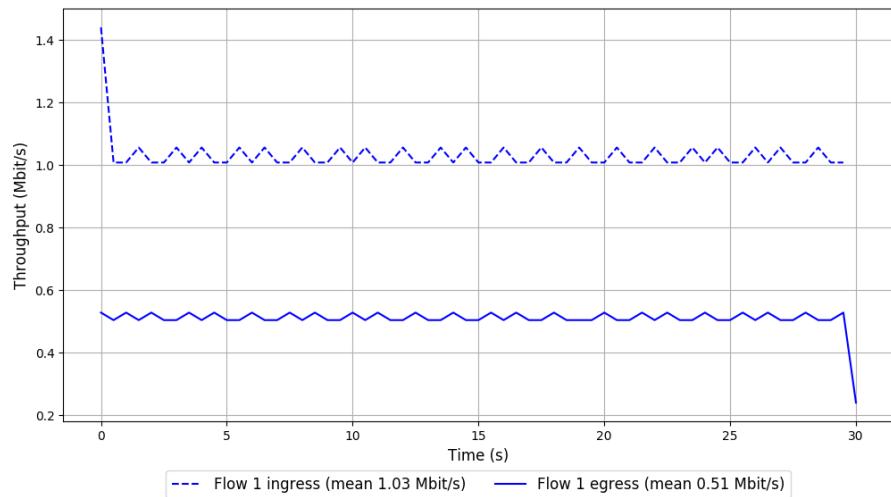


Run 2: Statistics of Saturator

```
Start at: 2017-08-21 21:15:34
End at: 2017-08-21 21:16:04
Local clock offset: -1.78 ms
Remote clock offset: 7.727 ms

# Below is generated by plot.py at 2017-08-21 23:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 247.220 ms
Loss rate: 49.88%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 247.220 ms
Loss rate: 49.88%
```

Run 2: Report of Saturator — Data Link

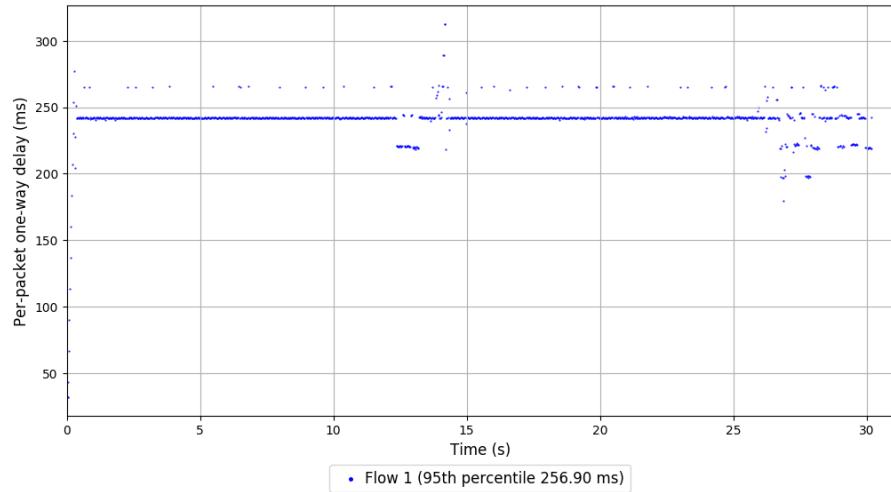
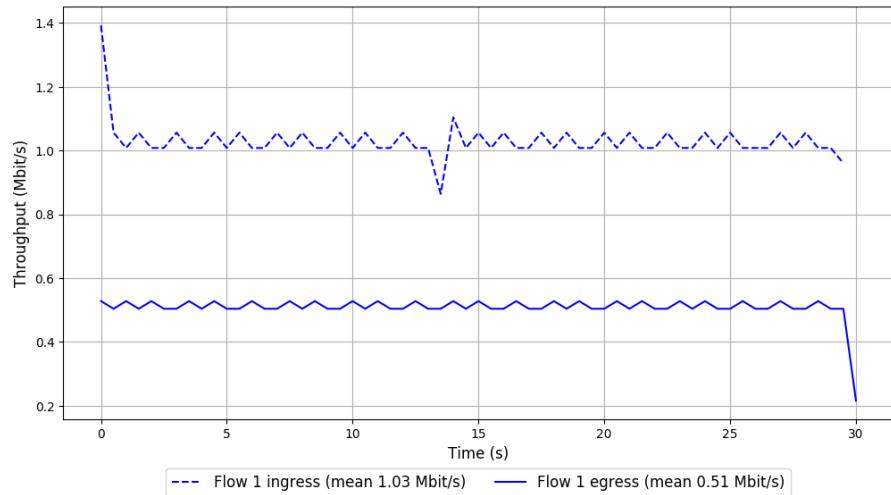


Run 3: Statistics of Saturator

```
Start at: 2017-08-21 21:32:59
End at: 2017-08-21 21:33:29
Local clock offset: 2.164 ms
Remote clock offset: 7.709 ms

# Below is generated by plot.py at 2017-08-21 23:38:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 256.901 ms
Loss rate: 49.81%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 256.901 ms
Loss rate: 49.81%
```

Run 3: Report of Saturator — Data Link

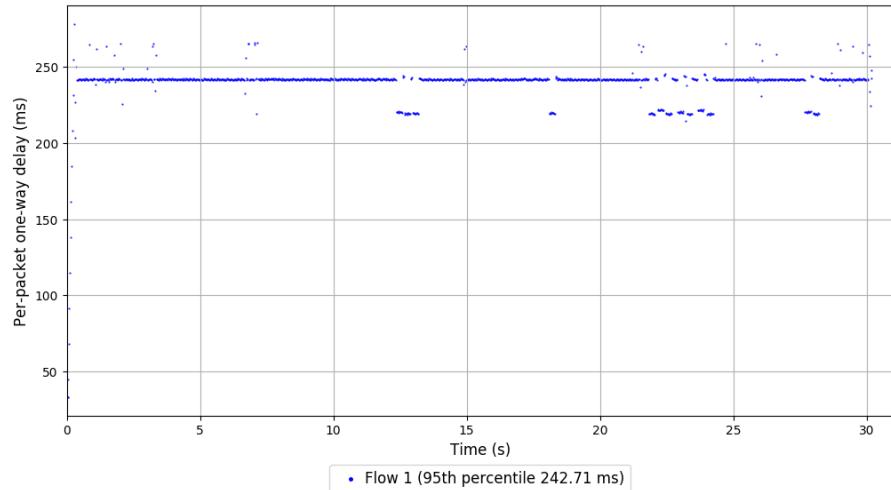
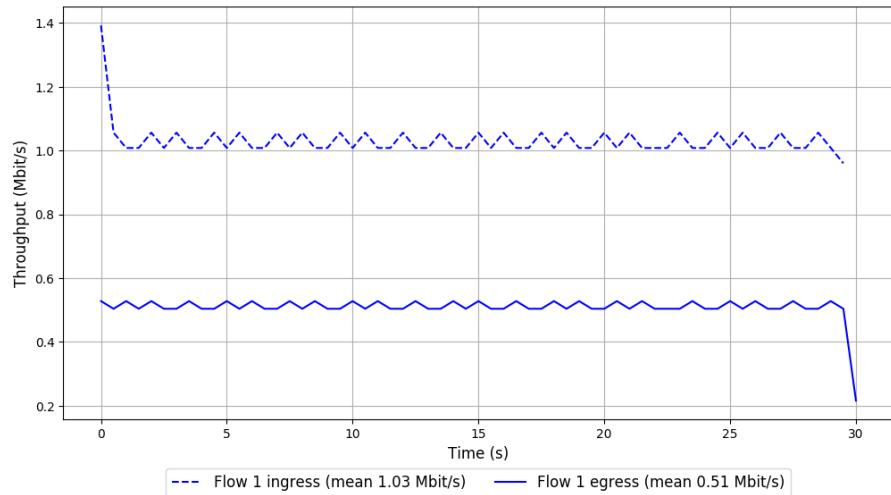


Run 4: Statistics of Saturator

```
Start at: 2017-08-21 21:50:23
End at: 2017-08-21 21:50:53
Local clock offset: 1.295 ms
Remote clock offset: 7.894 ms

# Below is generated by plot.py at 2017-08-21 23:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.705 ms
Loss rate: 49.88%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.705 ms
Loss rate: 49.88%
```

Run 4: Report of Saturator — Data Link

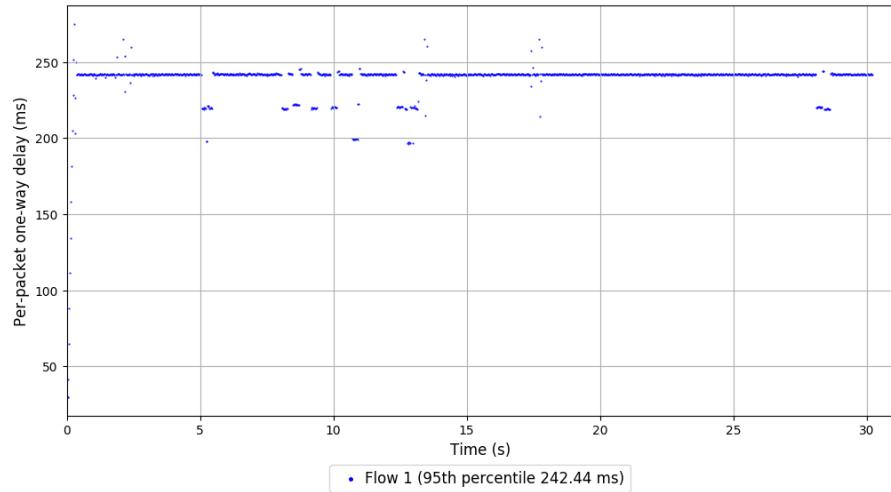
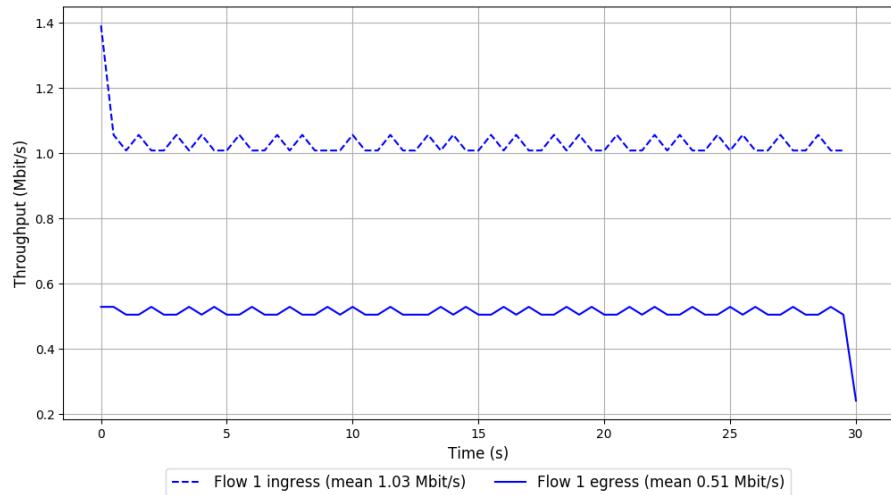


Run 5: Statistics of Saturator

```
Start at: 2017-08-21 22:07:47
End at: 2017-08-21 22:08:17
Local clock offset: 2.561 ms
Remote clock offset: 7.727 ms

# Below is generated by plot.py at 2017-08-21 23:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.445 ms
Loss rate: 49.88%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.445 ms
Loss rate: 49.88%
```

Run 5: Report of Saturator — Data Link

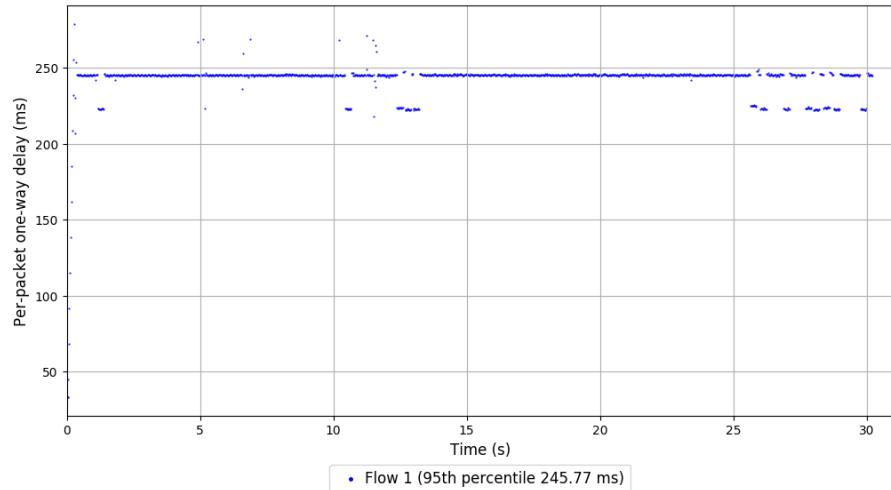
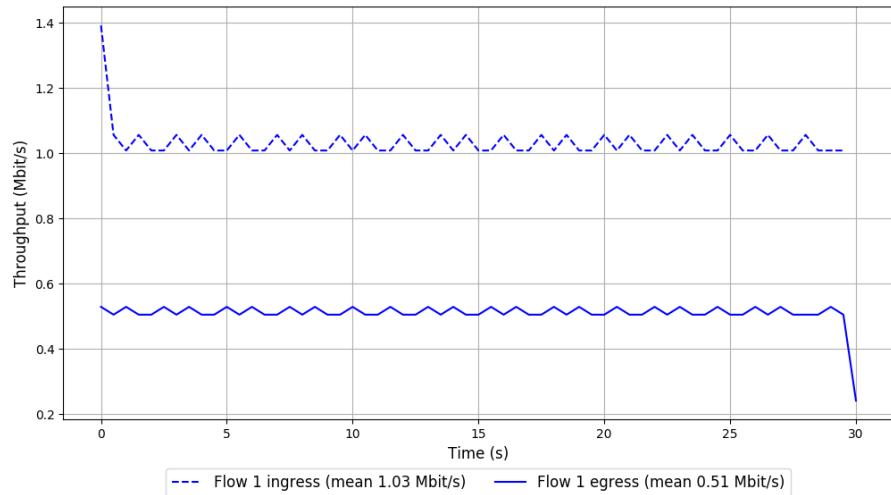


Run 6: Statistics of Saturator

```
Start at: 2017-08-21 22:25:10
End at: 2017-08-21 22:25:40
Local clock offset: -1.391 ms
Remote clock offset: 7.391 ms

# Below is generated by plot.py at 2017-08-21 23:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 245.769 ms
Loss rate: 49.88%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 245.769 ms
Loss rate: 49.88%
```

Run 6: Report of Saturator — Data Link

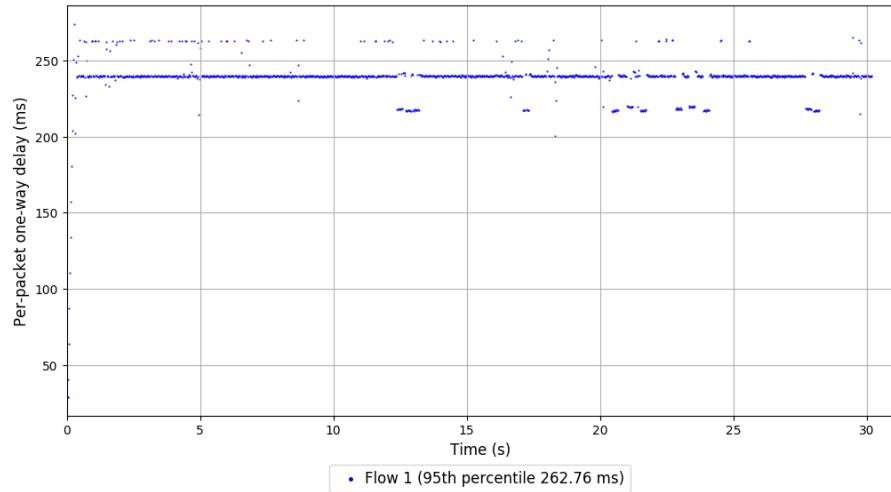
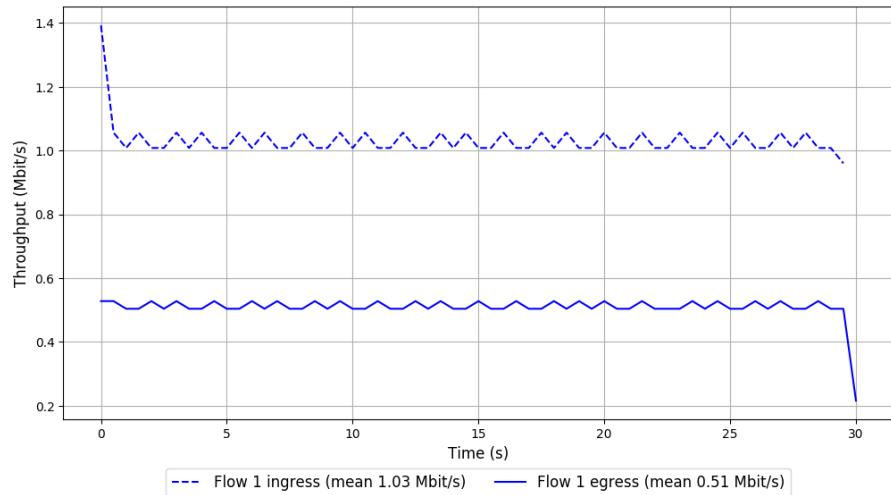


Run 7: Statistics of Saturator

```
Start at: 2017-08-21 22:42:41
End at: 2017-08-21 22:43:11
Local clock offset: 2.729 ms
Remote clock offset: 7.522 ms

# Below is generated by plot.py at 2017-08-21 23:38:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 262.765 ms
Loss rate: 49.88%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 262.765 ms
Loss rate: 49.88%
```

Run 7: Report of Saturator — Data Link

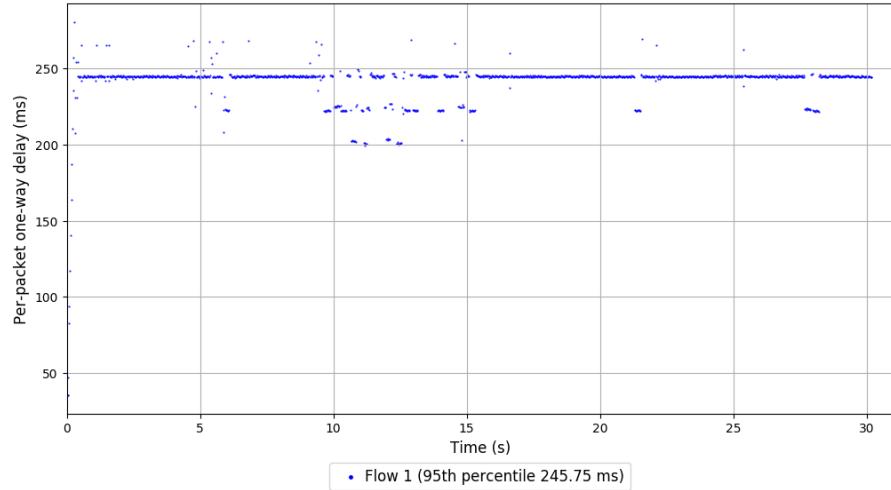
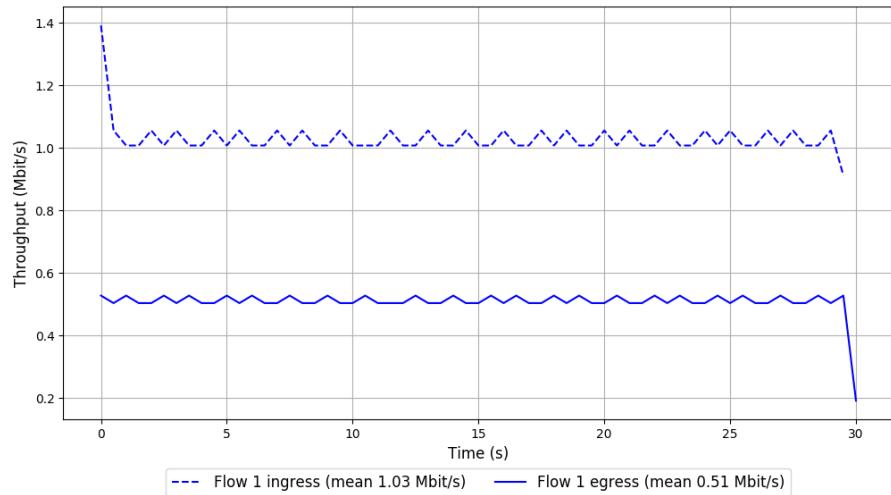


Run 8: Statistics of Saturator

```
Start at: 2017-08-21 23:00:15
End at: 2017-08-21 23:00:45
Local clock offset: -2.079 ms
Remote clock offset: 6.977 ms

# Below is generated by plot.py at 2017-08-21 23:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 245.749 ms
Loss rate: 49.88%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 245.749 ms
Loss rate: 49.88%
```

Run 8: Report of Saturator — Data Link

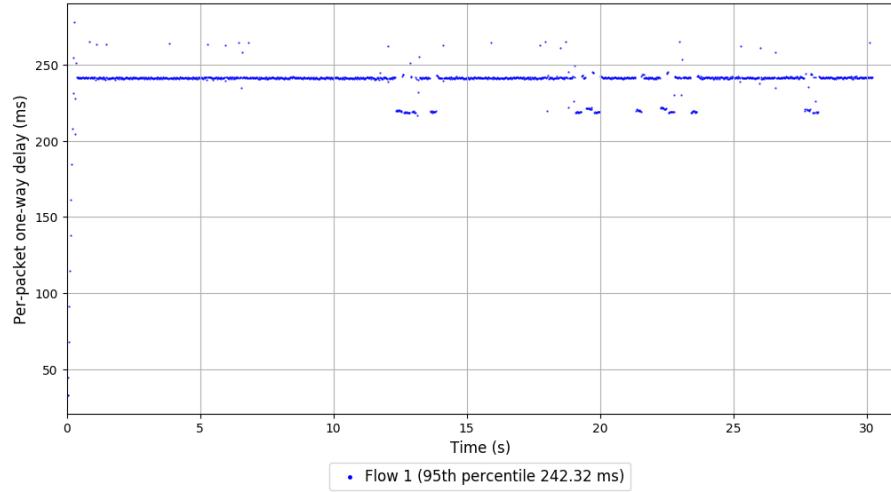
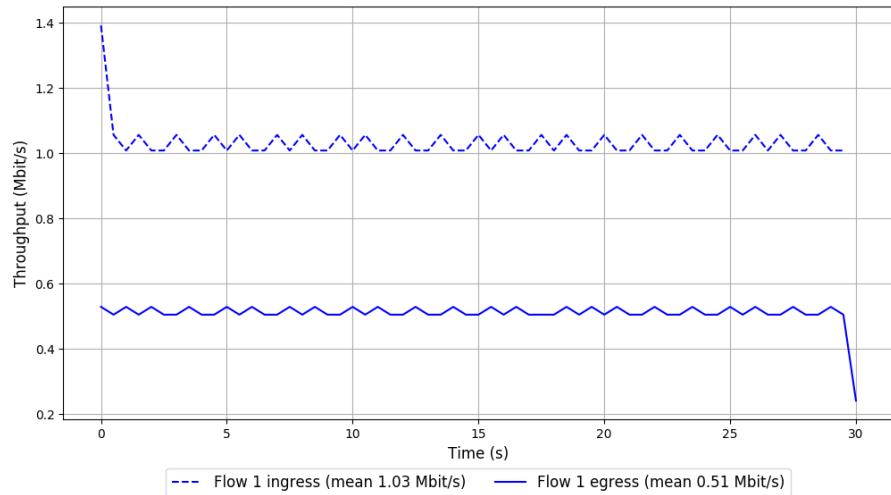


Run 9: Statistics of Saturator

```
Start at: 2017-08-21 23:17:42
End at: 2017-08-21 23:18:12
Local clock offset: -0.43 ms
Remote clock offset: 6.192 ms

# Below is generated by plot.py at 2017-08-21 23:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.321 ms
Loss rate: 49.88%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.321 ms
Loss rate: 49.88%
```

Run 9: Report of Saturator — Data Link

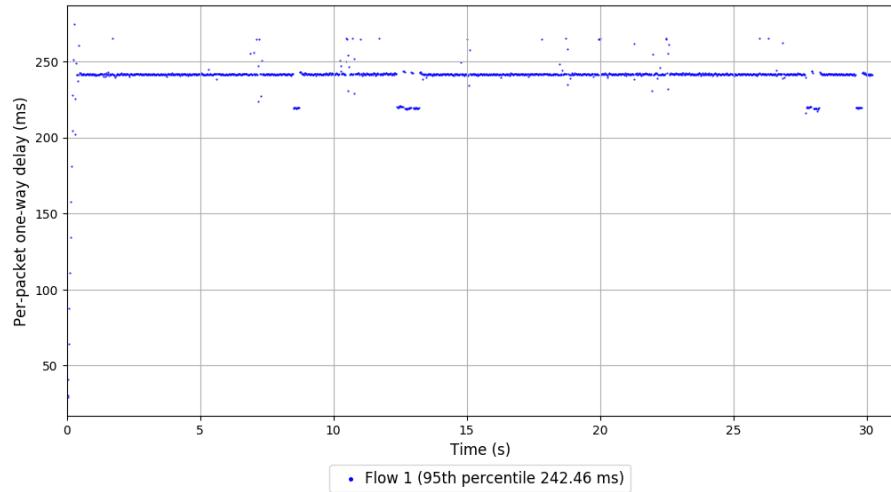
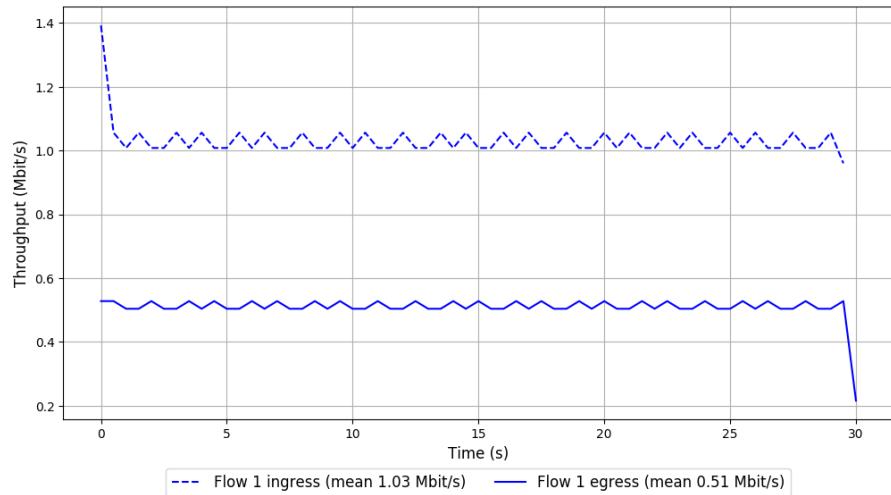


Run 10: Statistics of Saturator

```
Start at: 2017-08-21 23:35:06
End at: 2017-08-21 23:35:36
Local clock offset: -0.335 ms
Remote clock offset: 6.521 ms

# Below is generated by plot.py at 2017-08-21 23:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.459 ms
Loss rate: 49.88%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 242.459 ms
Loss rate: 49.88%
```

Run 10: Report of Saturator — Data Link

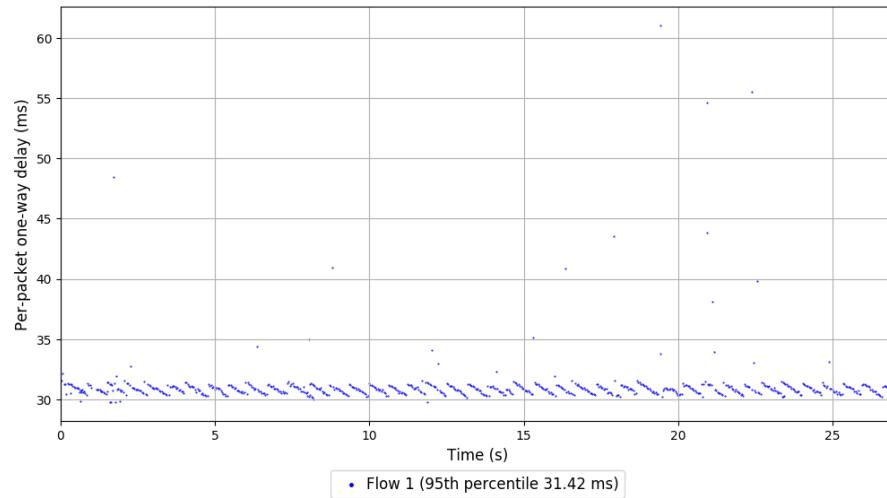
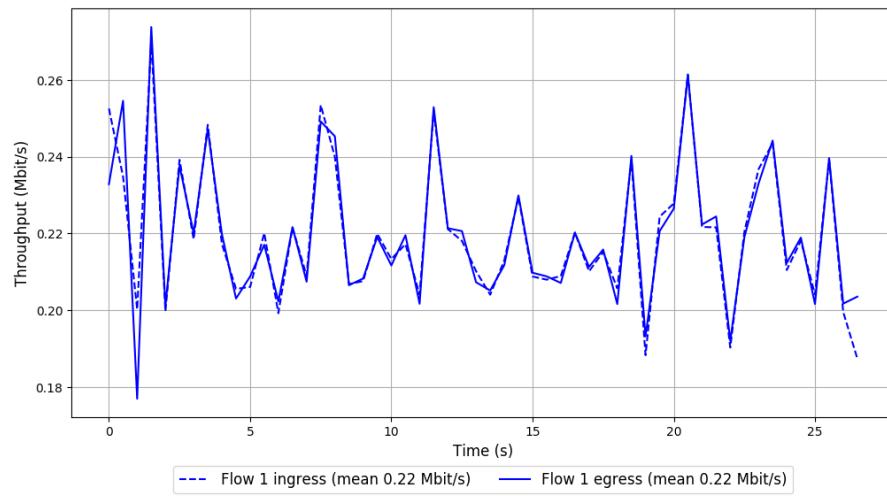


Run 1: Statistics of SCReAM

```
Start at: 2017-08-21 20:45:46
End at: 2017-08-21 20:46:16
Local clock offset: 0.705 ms
Remote clock offset: 7.245 ms

# Below is generated by plot.py at 2017-08-21 23:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.420 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

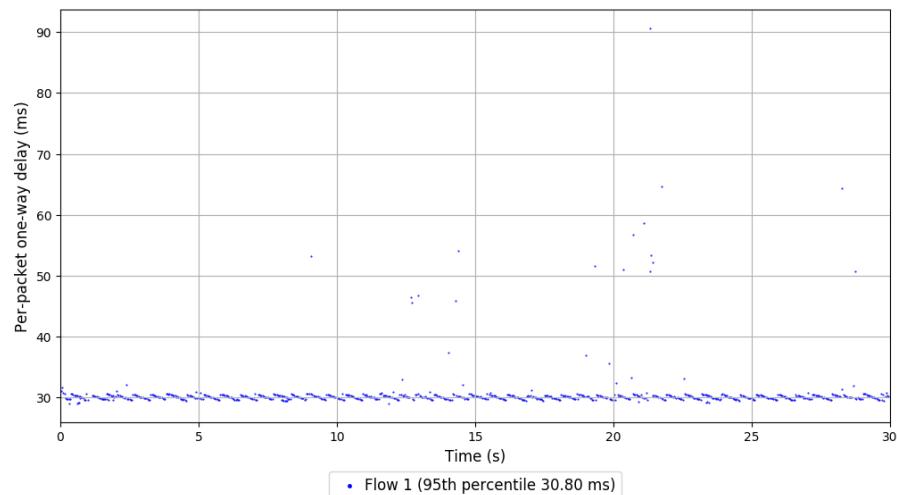
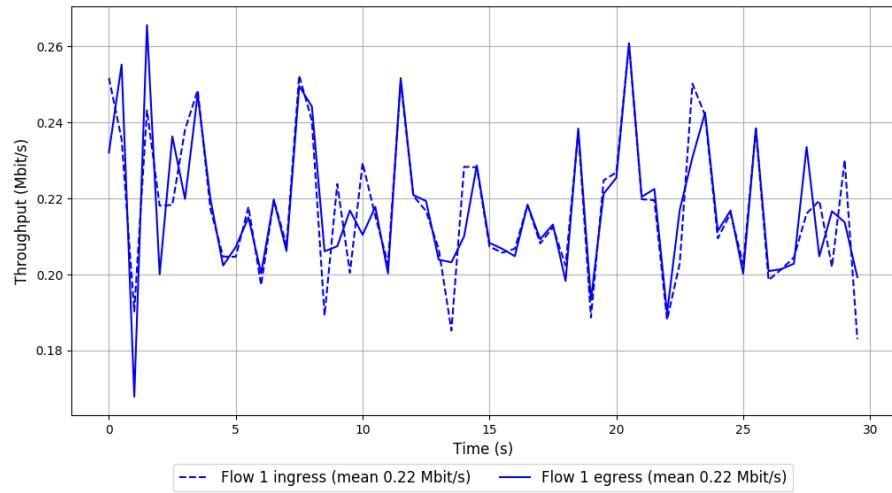


Run 2: Statistics of SCReAM

```
Start at: 2017-08-21 21:03:11
End at: 2017-08-21 21:03:41
Local clock offset: -0.593 ms
Remote clock offset: 7.474 ms

# Below is generated by plot.py at 2017-08-21 23:38:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.805 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.805 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

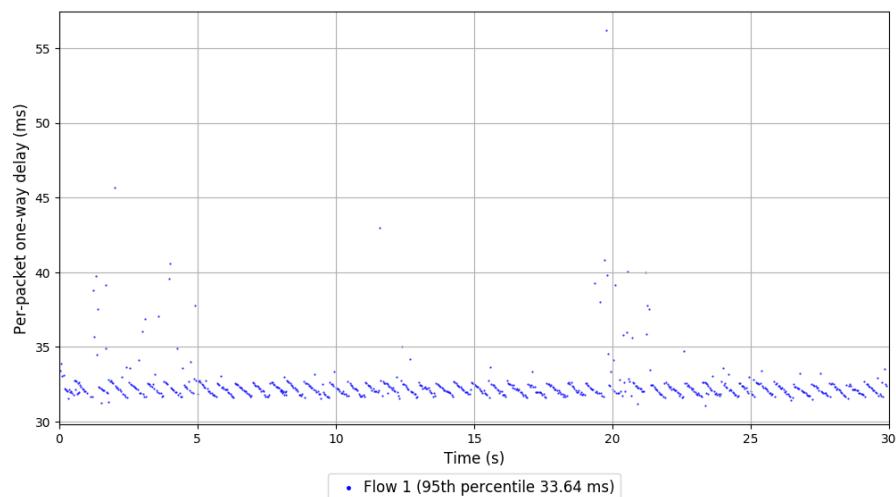
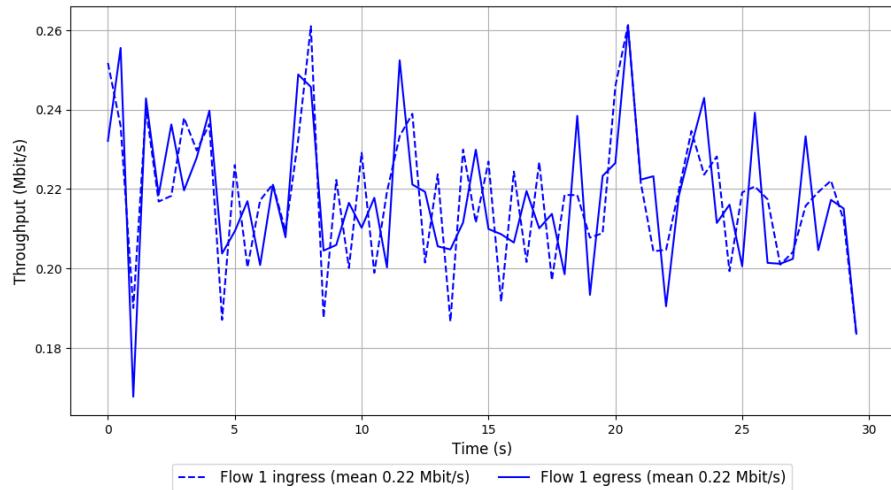


Run 3: Statistics of SCReAM

```
Start at: 2017-08-21 21:20:35
End at: 2017-08-21 21:21:05
Local clock offset: -1.052 ms
Remote clock offset: 7.694 ms

# Below is generated by plot.py at 2017-08-21 23:38:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.643 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.643 ms
Loss rate: 0.13%
```

Run 3: Report of SCReAM — Data Link

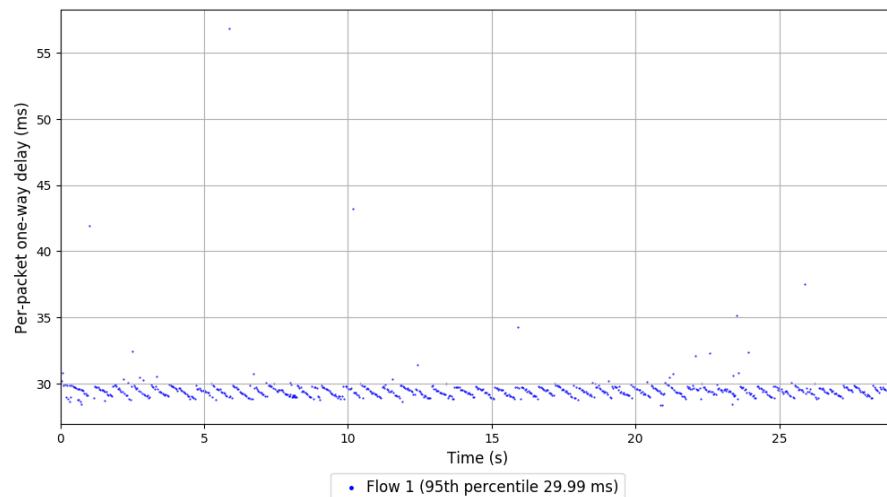
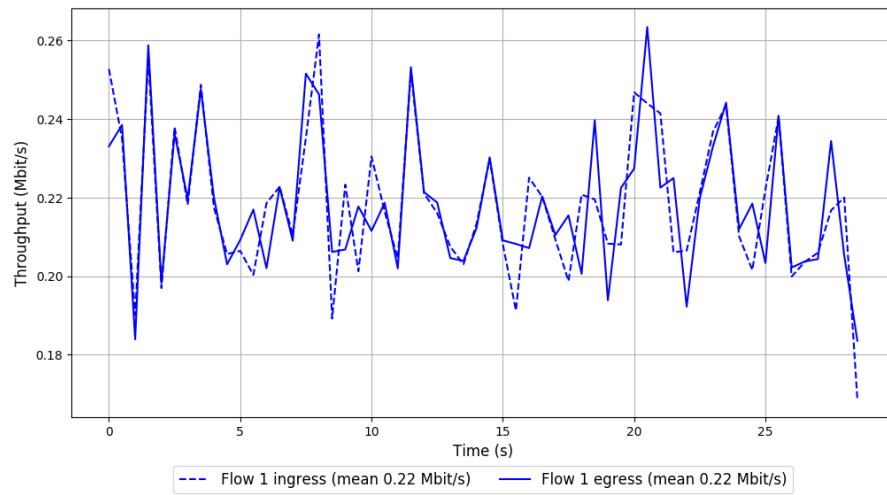


Run 4: Statistics of SCReAM

```
Start at: 2017-08-21 21:37:57
End at: 2017-08-21 21:38:27
Local clock offset: 1.349 ms
Remote clock offset: 7.135 ms

# Below is generated by plot.py at 2017-08-21 23:38:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

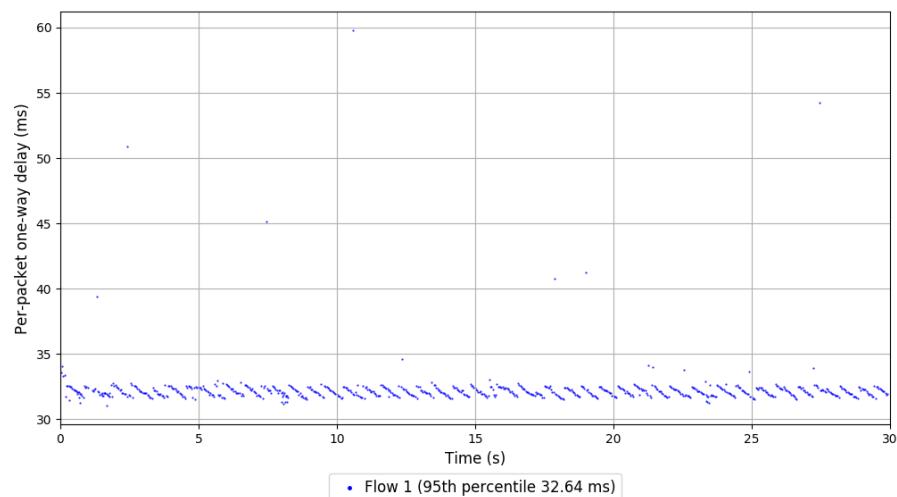
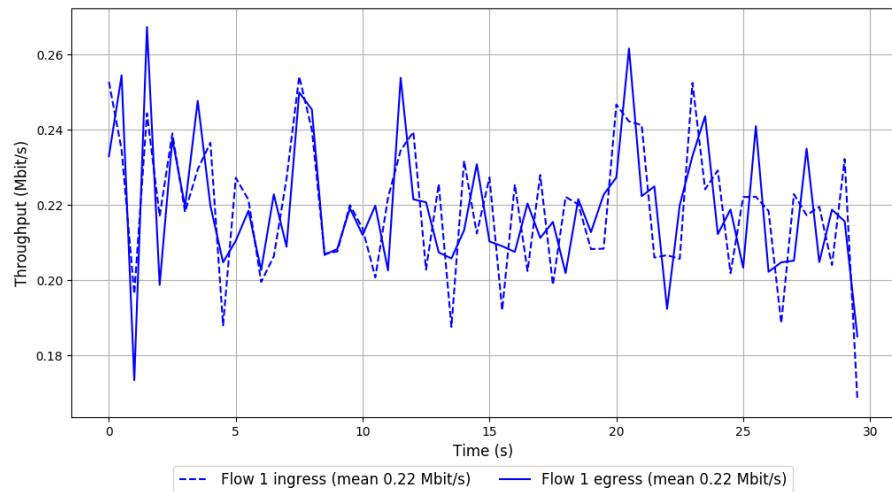


Run 5: Statistics of SCReAM

```
Start at: 2017-08-21 21:55:22
End at: 2017-08-21 21:55:52
Local clock offset: -1.425 ms
Remote clock offset: 7.088 ms

# Below is generated by plot.py at 2017-08-21 23:38:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.641 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

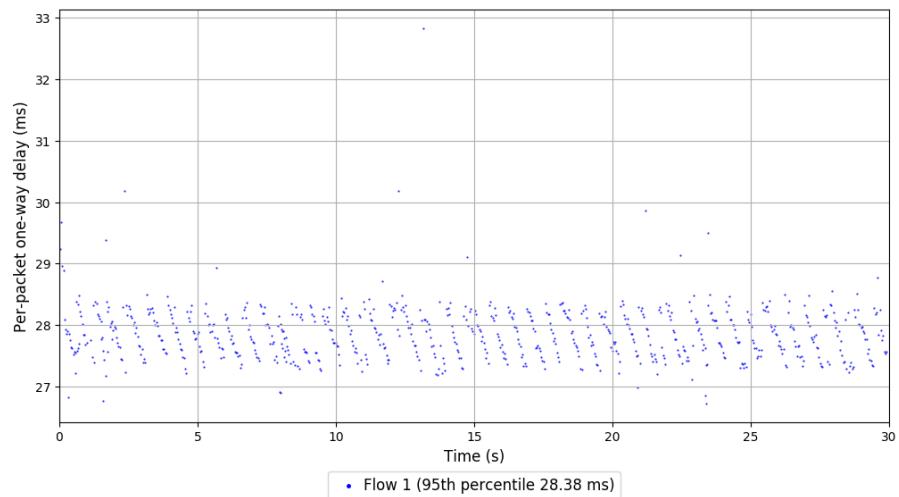
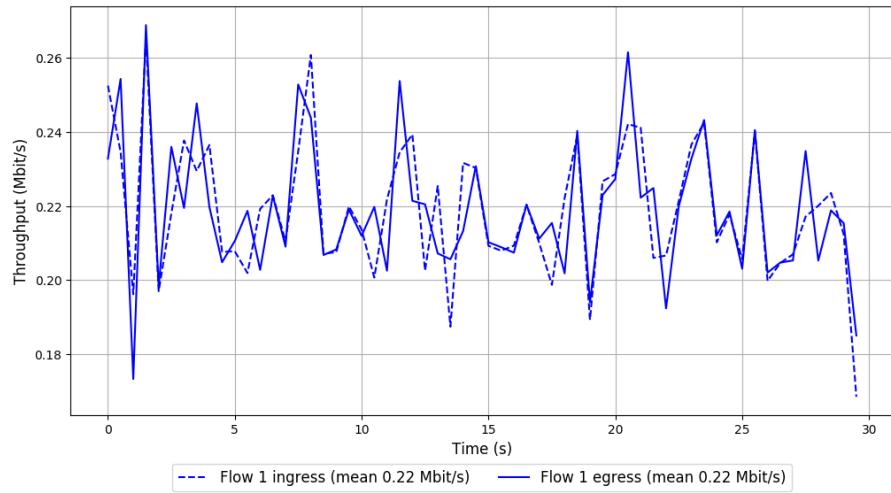


Run 6: Statistics of SCReAM

```
Start at: 2017-08-21 22:12:45
End at: 2017-08-21 22:13:15
Local clock offset: 2.874 ms
Remote clock offset: 7.187 ms

# Below is generated by plot.py at 2017-08-21 23:38:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.376 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

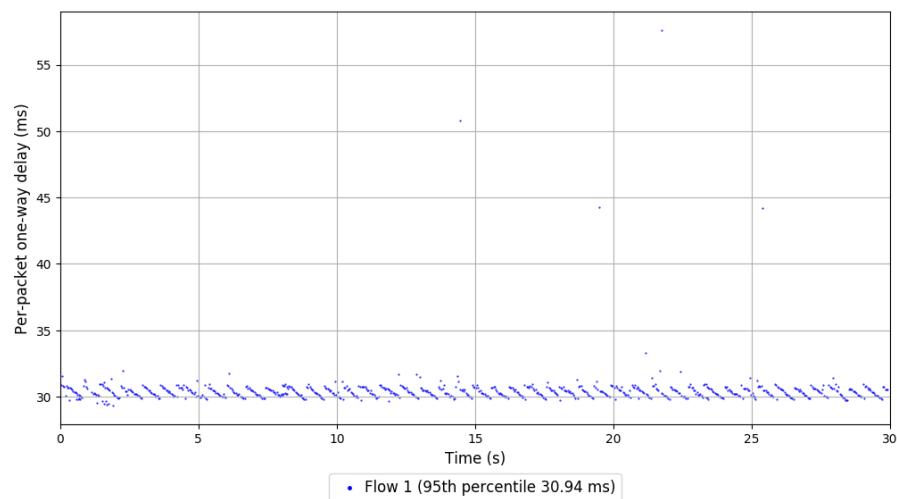
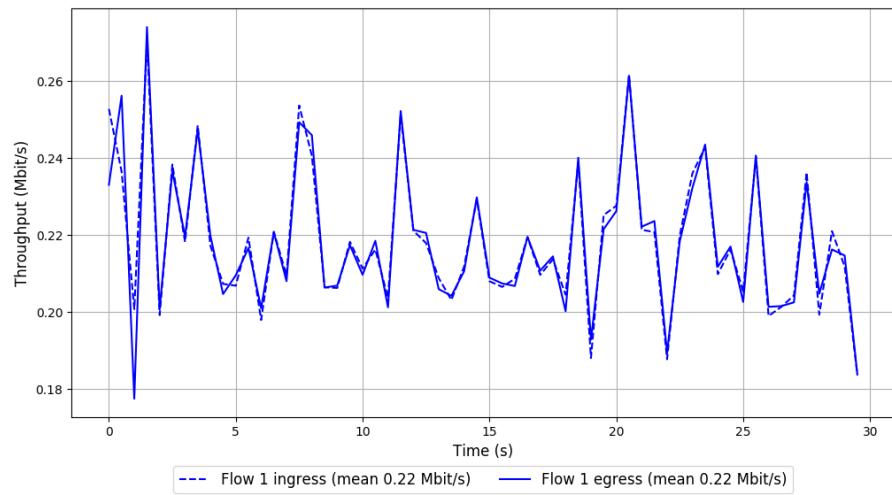


Run 7: Statistics of SCReAM

```
Start at: 2017-08-21 22:30:10
End at: 2017-08-21 22:30:40
Local clock offset: -0.974 ms
Remote clock offset: 7.667 ms

# Below is generated by plot.py at 2017-08-21 23:38:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.939 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.939 ms
Loss rate: 0.13%
```

Run 7: Report of SCReAM — Data Link

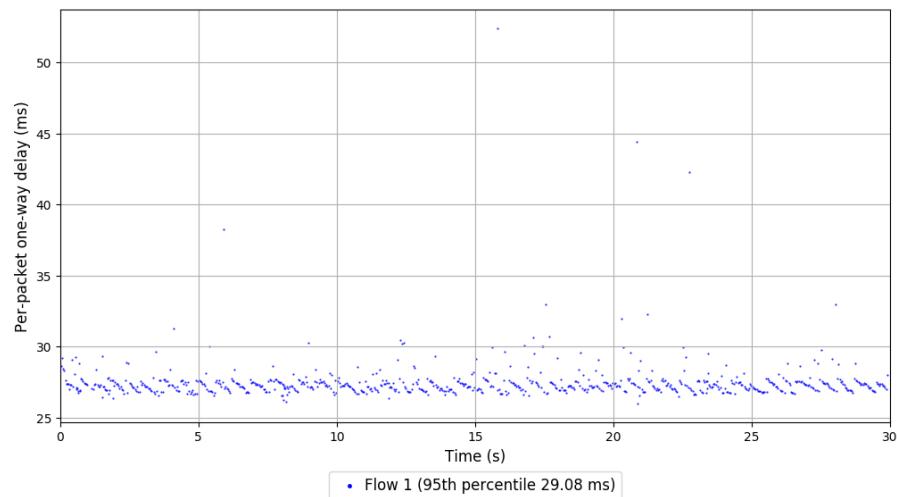
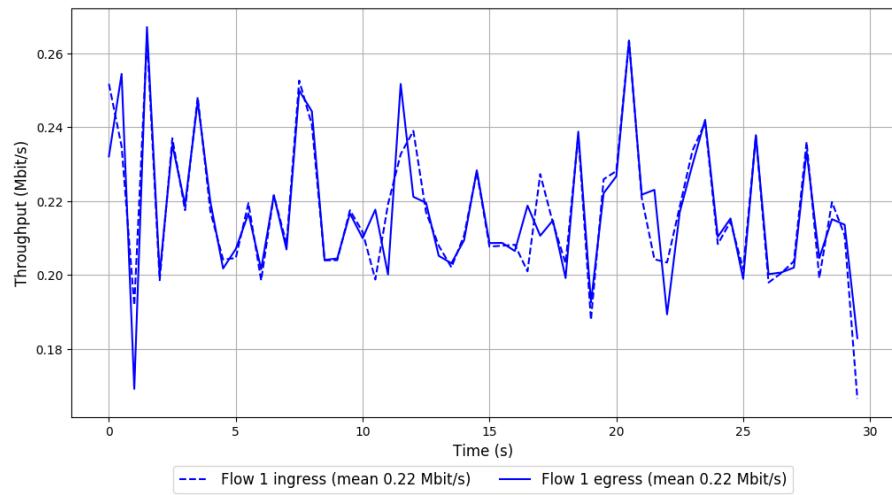


Run 8: Statistics of SCReAM

```
Start at: 2017-08-21 22:47:41
End at: 2017-08-21 22:48:11
Local clock offset: 1.487 ms
Remote clock offset: 7.548 ms

# Below is generated by plot.py at 2017-08-21 23:38:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.081 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

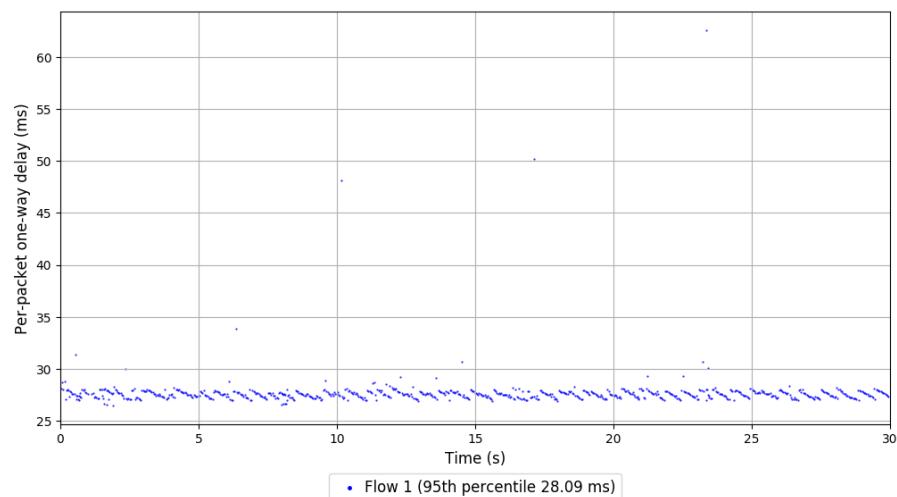
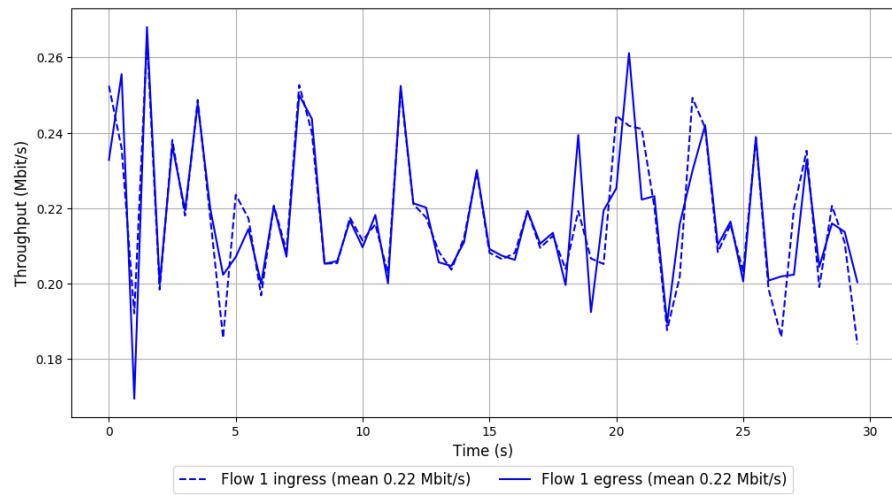


Run 9: Statistics of SCReAM

```
Start at: 2017-08-21 23:05:16
End at: 2017-08-21 23:05:46
Local clock offset: 1.032 ms
Remote clock offset: 7.527 ms

# Below is generated by plot.py at 2017-08-21 23:38:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.089 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

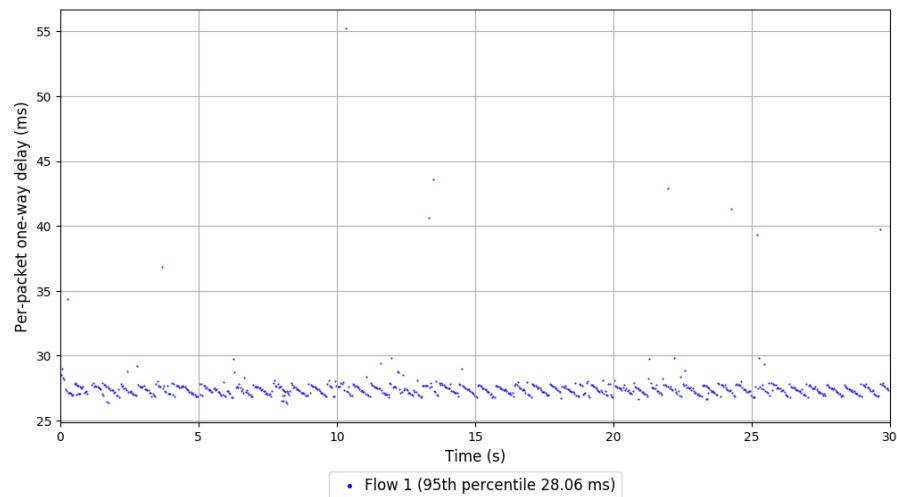
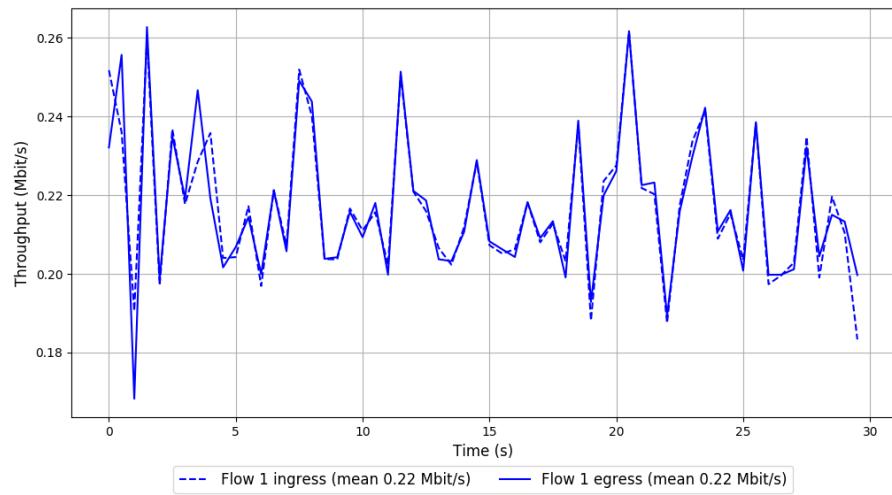


Run 10: Statistics of SCReAM

```
Start at: 2017-08-21 23:22:42
End at: 2017-08-21 23:23:12
Local clock offset: 1.01 ms
Remote clock offset: 7.231 ms

# Below is generated by plot.py at 2017-08-21 23:38:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.060 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

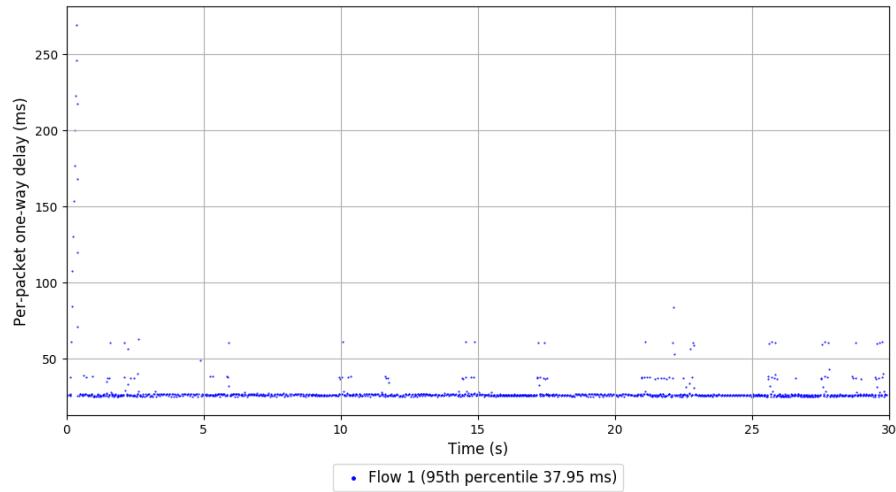
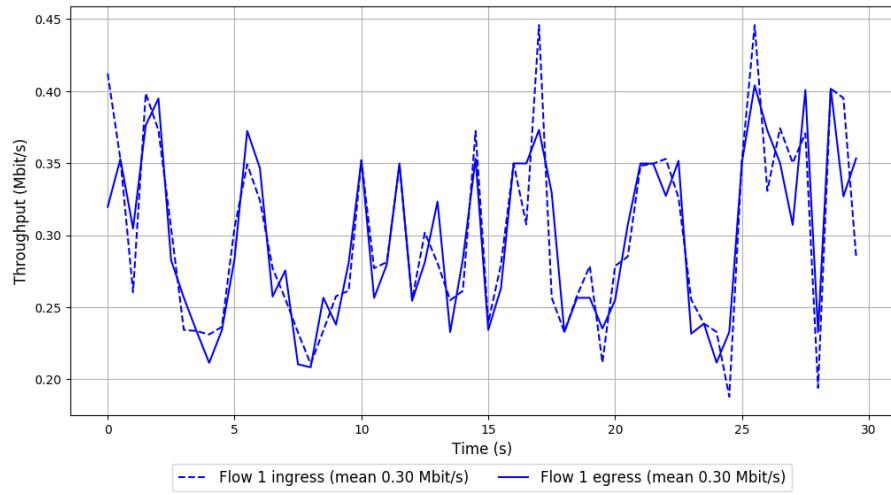


Run 1: Statistics of Sprout

```
Start at: 2017-08-21 20:55:39
End at: 2017-08-21 20:56:09
Local clock offset: 3.663 ms
Remote clock offset: 7.516 ms

# Below is generated by plot.py at 2017-08-21 23:38:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 37.951 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 37.951 ms
Loss rate: 0.26%
```

Run 1: Report of Sprout — Data Link

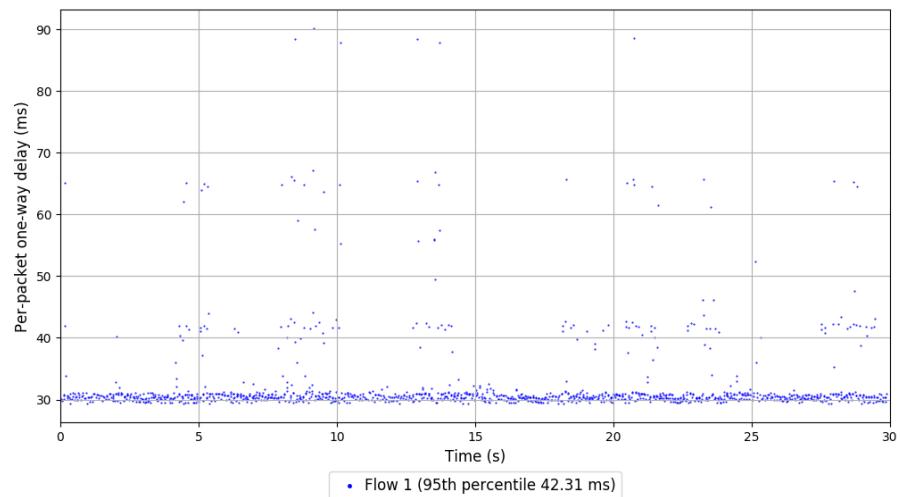
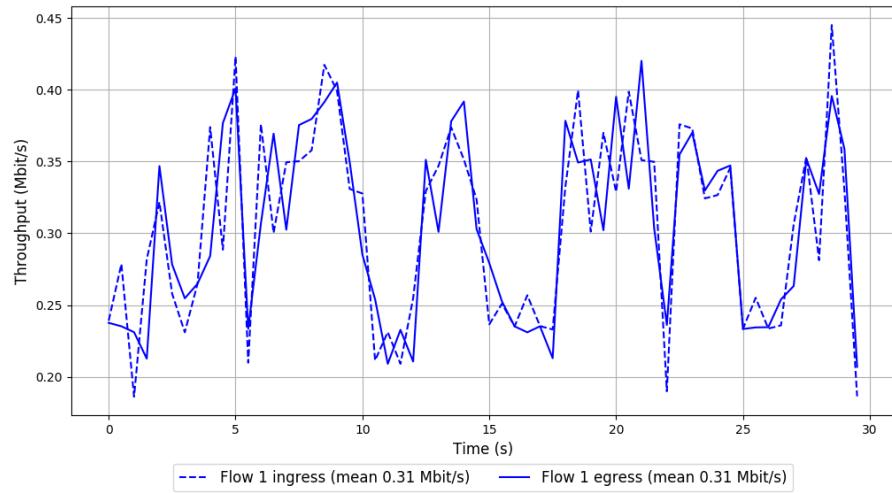


Run 2: Statistics of Sprout

```
Start at: 2017-08-21 21:13:04
End at: 2017-08-21 21:13:34
Local clock offset: 0.753 ms
Remote clock offset: 7.69 ms

# Below is generated by plot.py at 2017-08-21 23:38:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 42.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 42.310 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

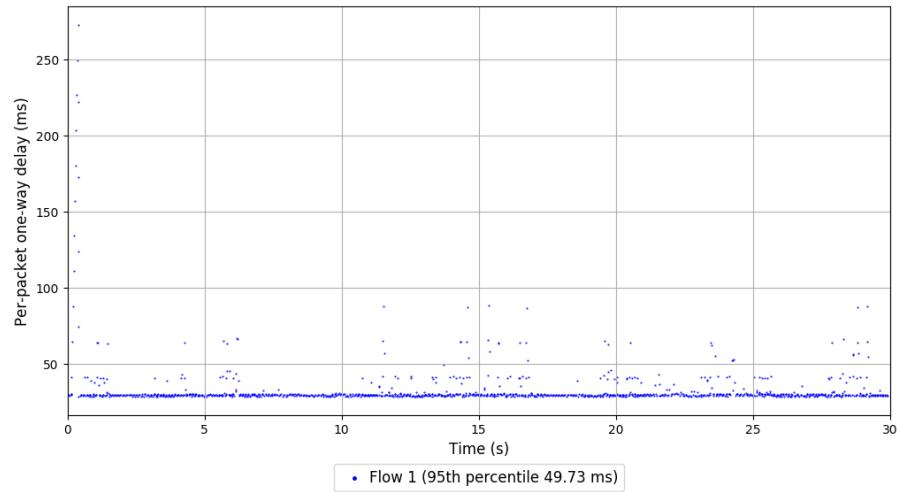
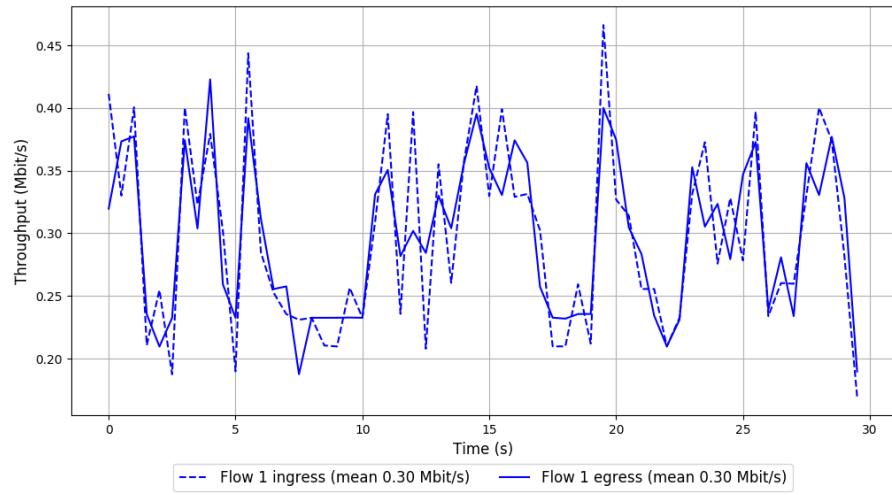


Run 3: Statistics of Sprout

```
Start at: 2017-08-21 21:30:29
End at: 2017-08-21 21:30:59
Local clock offset: -0.012 ms
Remote clock offset: 7.678 ms

# Below is generated by plot.py at 2017-08-21 23:38:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 49.734 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 49.734 ms
Loss rate: 0.26%
```

Run 3: Report of Sprout — Data Link

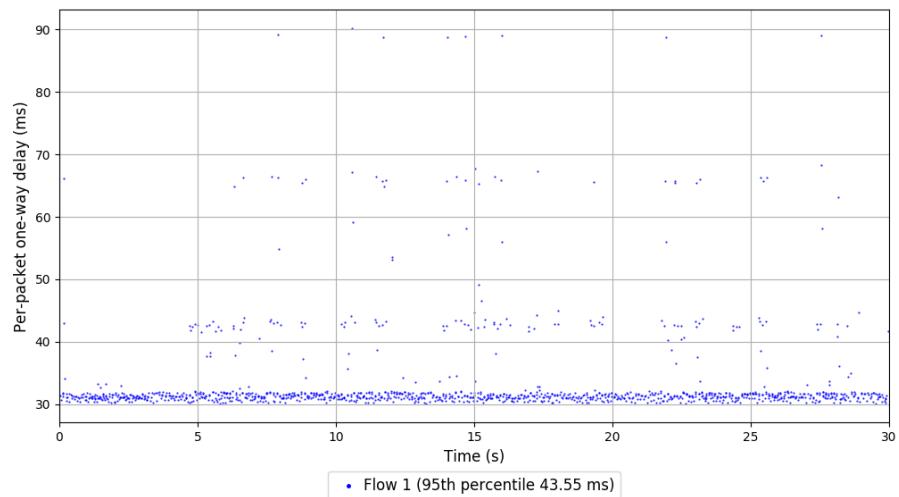
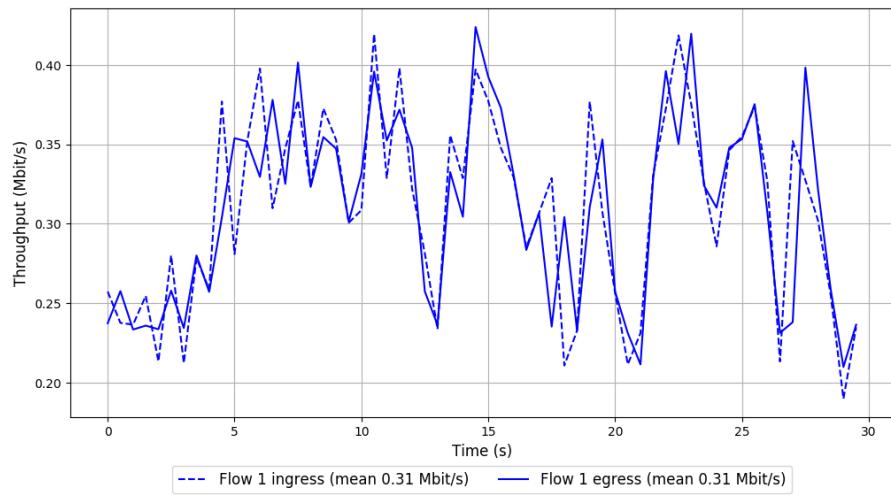


Run 4: Statistics of Sprout

```
Start at: 2017-08-21 21:47:53
End at: 2017-08-21 21:48:23
Local clock offset: -1.685 ms
Remote clock offset: 7.933 ms

# Below is generated by plot.py at 2017-08-21 23:38:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 43.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 43.545 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

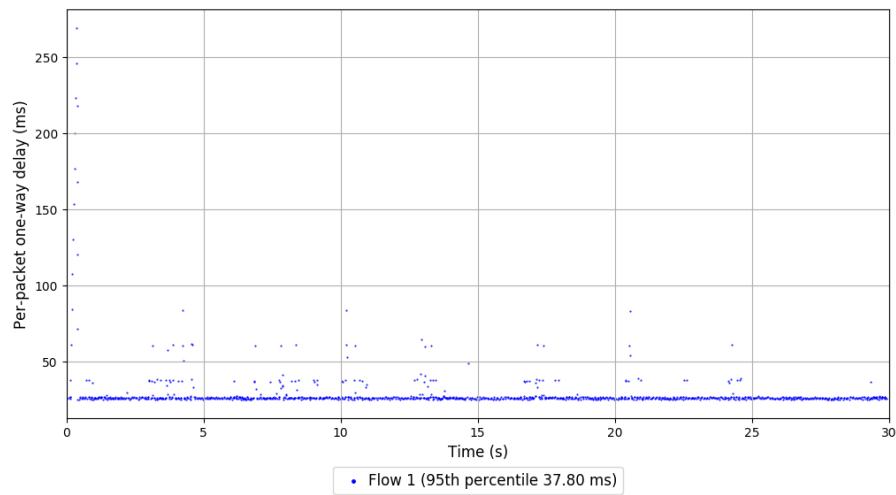
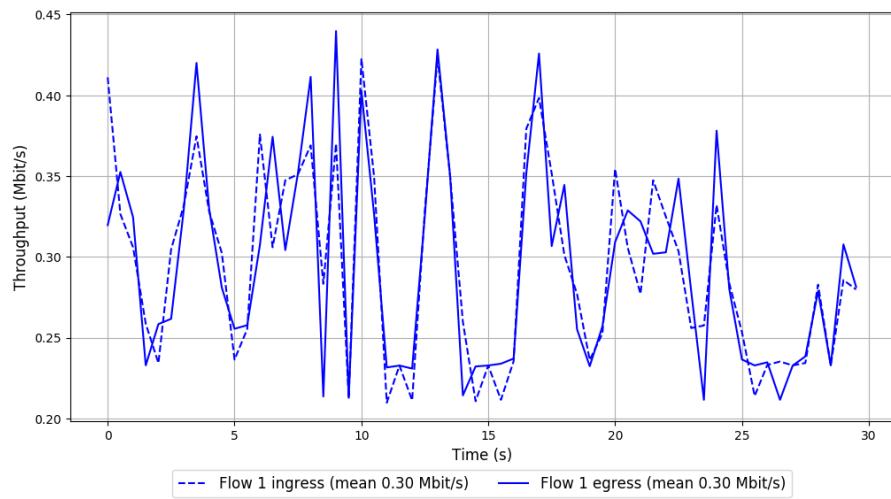


Run 5: Statistics of Sprout

```
Start at: 2017-08-21 22:05:17
End at: 2017-08-21 22:05:47
Local clock offset: 2.389 ms
Remote clock offset: 6.603 ms

# Below is generated by plot.py at 2017-08-21 23:38:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 37.804 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 37.804 ms
Loss rate: 0.26%
```

Run 5: Report of Sprout — Data Link

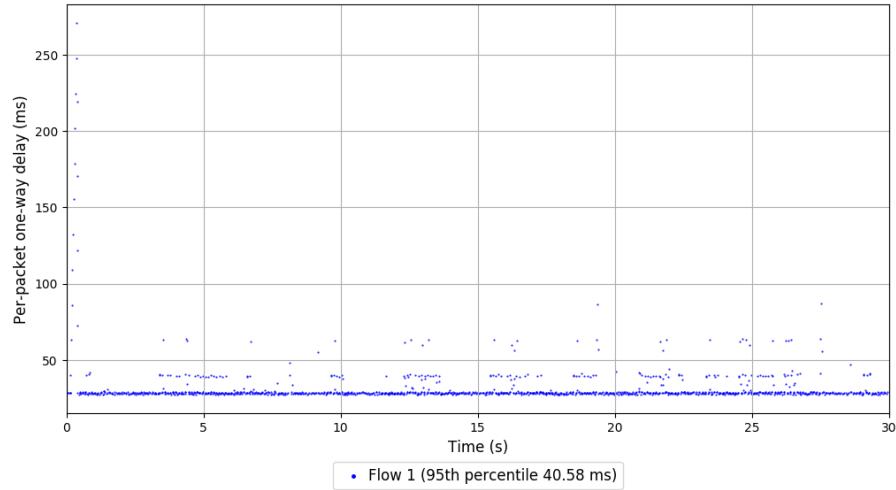
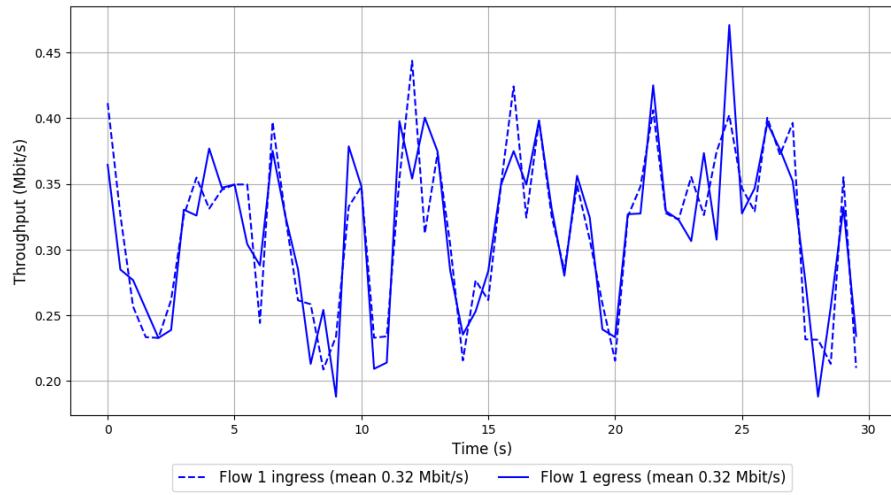


Run 6: Statistics of Sprout

```
Start at: 2017-08-21 22:22:41
End at: 2017-08-21 22:23:11
Local clock offset: 0.924 ms
Remote clock offset: 7.576 ms

# Below is generated by plot.py at 2017-08-21 23:38:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 40.583 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 40.583 ms
Loss rate: 0.25%
```

Run 6: Report of Sprout — Data Link

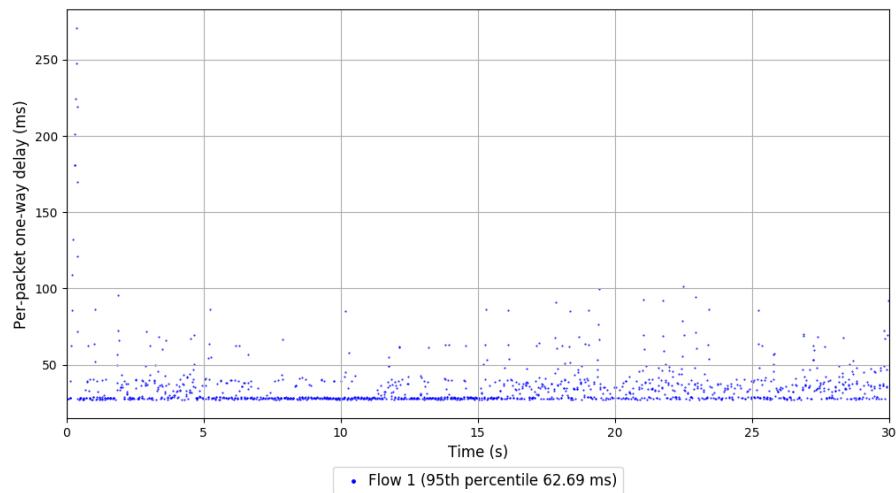
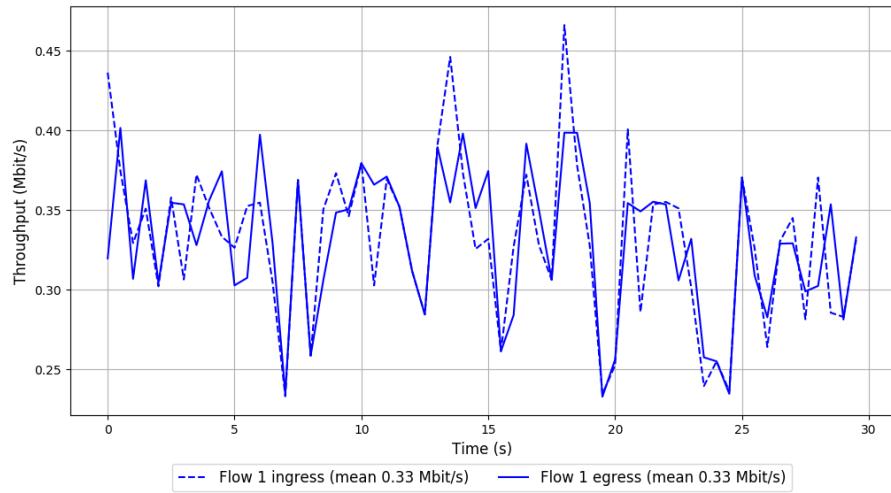


Run 7: Statistics of Sprout

```
Start at: 2017-08-21 22:40:10
End at: 2017-08-21 22:40:40
Local clock offset: 1.722 ms
Remote clock offset: 7.0 ms

# Below is generated by plot.py at 2017-08-21 23:38:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 62.687 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 62.687 ms
Loss rate: 0.24%
```

Run 7: Report of Sprout — Data Link

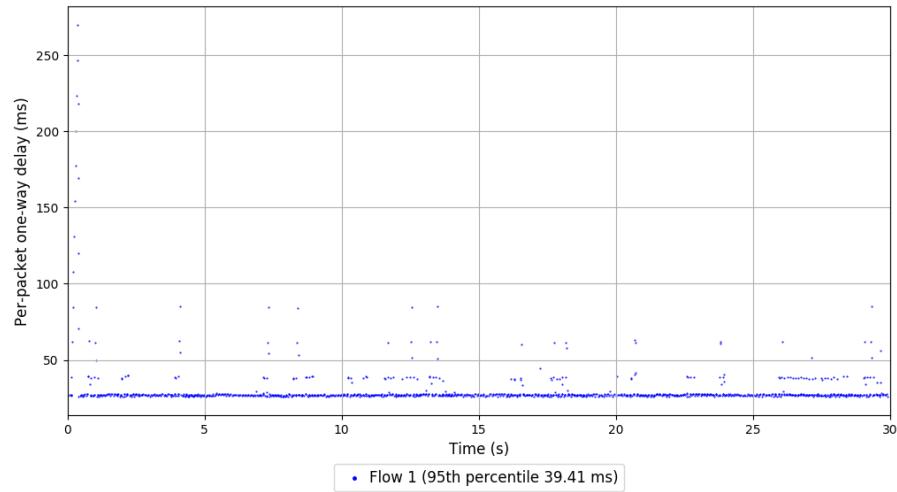
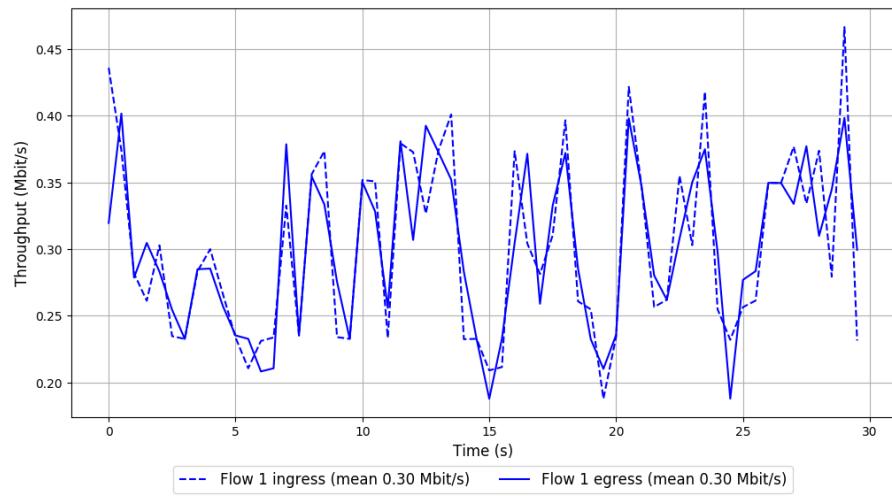


Run 8: Statistics of Sprout

```
Start at: 2017-08-21 22:57:46
End at: 2017-08-21 22:58:16
Local clock offset: -5.8 ms
Remote clock offset: 0.139 ms

# Below is generated by plot.py at 2017-08-21 23:38:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 39.408 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 39.408 ms
Loss rate: 0.26%
```

Run 8: Report of Sprout — Data Link

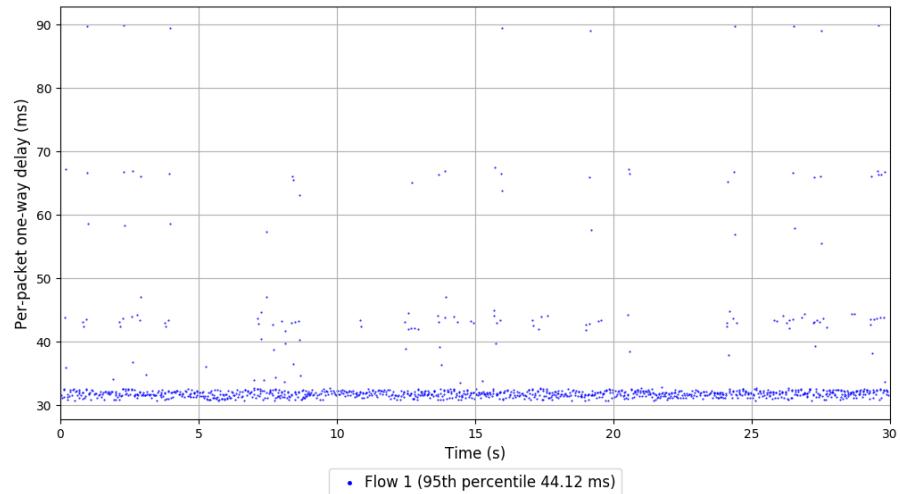
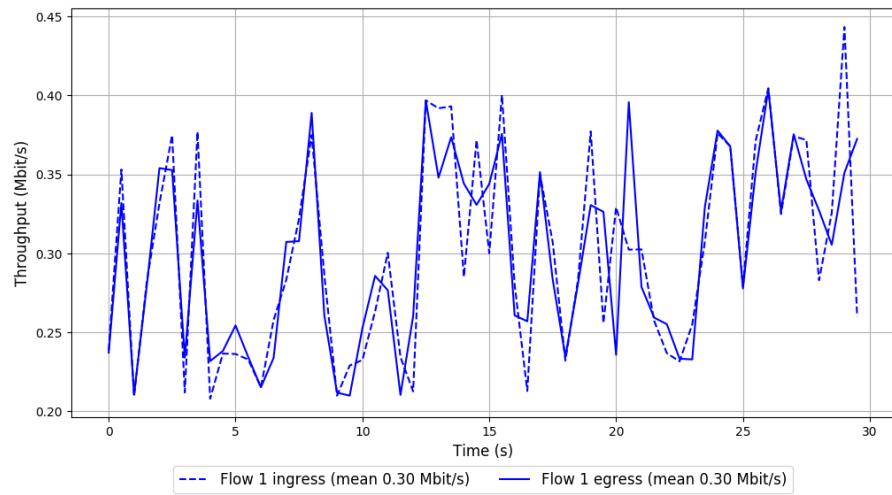


Run 9: Statistics of Sprout

```
Start at: 2017-08-21 23:15:12
End at: 2017-08-21 23:15:42
Local clock offset: -1.954 ms
Remote clock offset: 6.924 ms

# Below is generated by plot.py at 2017-08-21 23:38:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 44.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 44.115 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

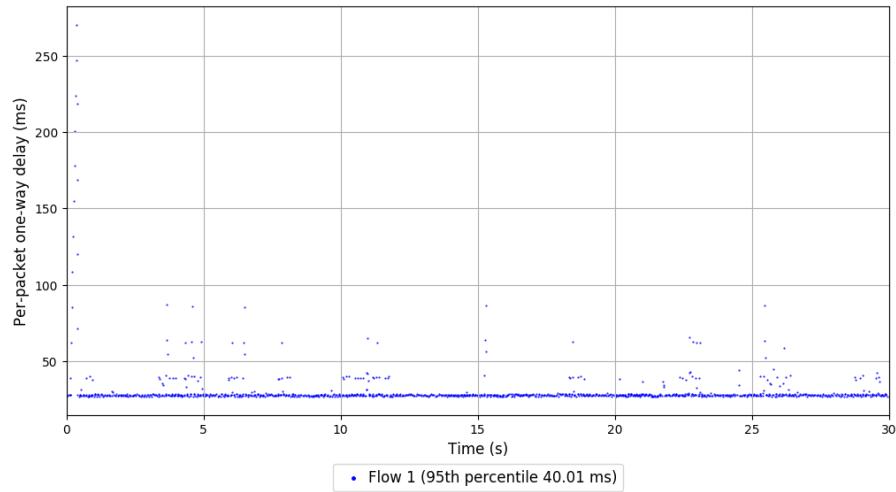
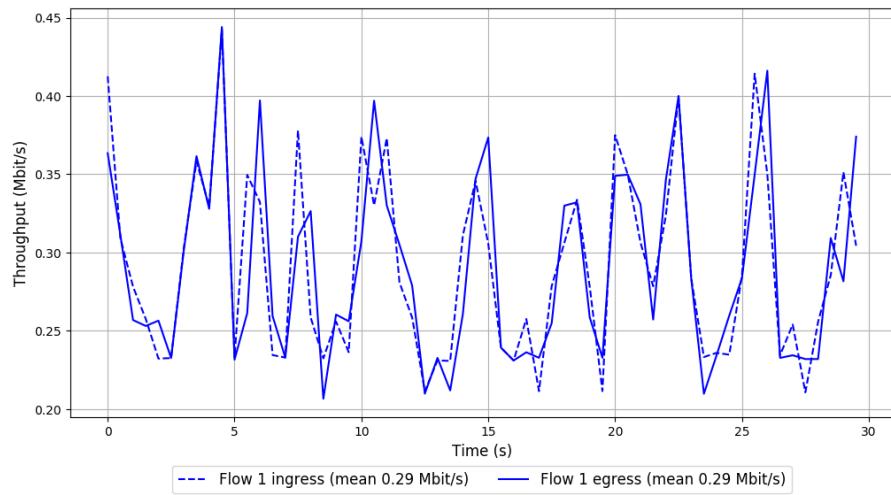


Run 10: Statistics of Sprout

```
Start at: 2017-08-21 23:32:37
End at: 2017-08-21 23:33:07
Local clock offset: 0.923 ms
Remote clock offset: 7.669 ms

# Below is generated by plot.py at 2017-08-21 23:38:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 40.007 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 40.007 ms
Loss rate: 0.27%
```

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

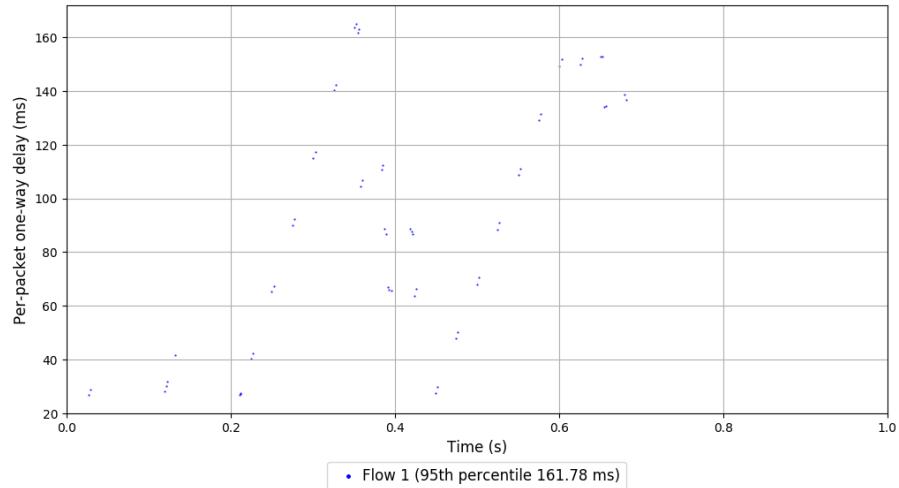
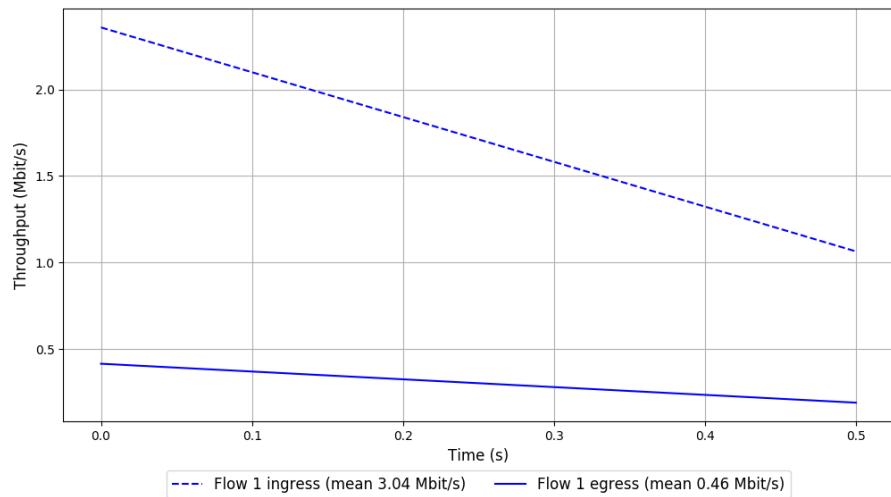
Start at: 2017-08-21 20:46:59

End at: 2017-08-21 20:47:29

Local clock offset: 2.553 ms

Remote clock offset: 7.631 ms

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



Run 2: Statistics of TaoVA-100x

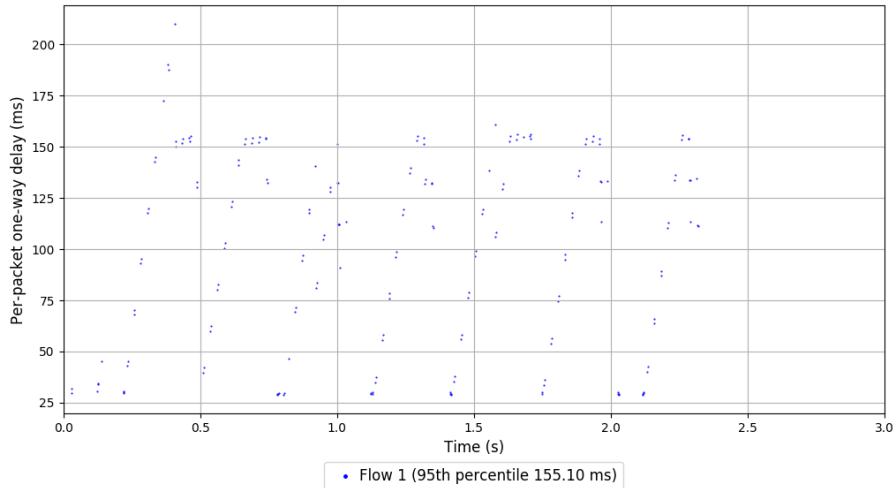
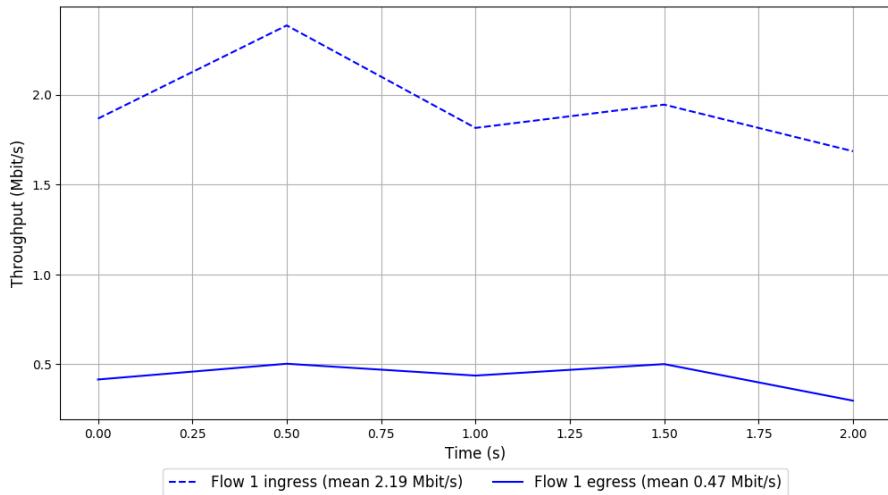
Start at: 2017-08-21 21:04:24

End at: 2017-08-21 21:04:54

Local clock offset: 0.353 ms

Remote clock offset: 7.762 ms

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



Run 3: Statistics of TaoVA-100x

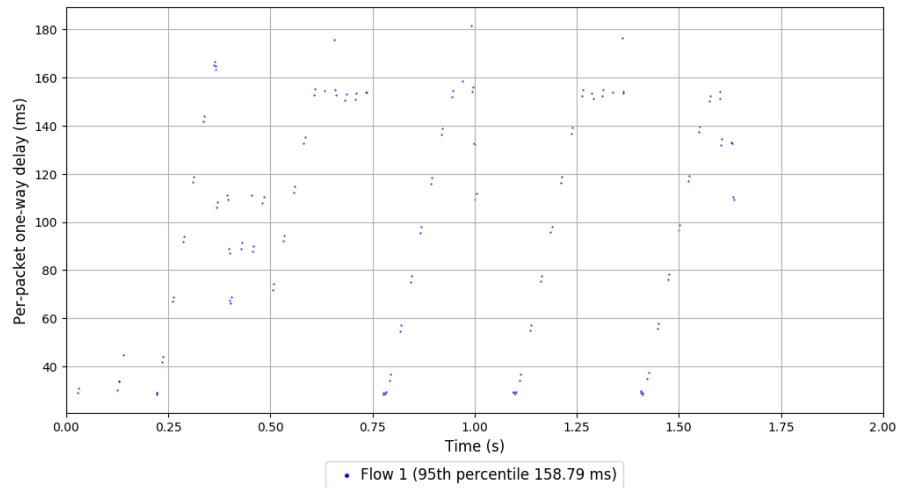
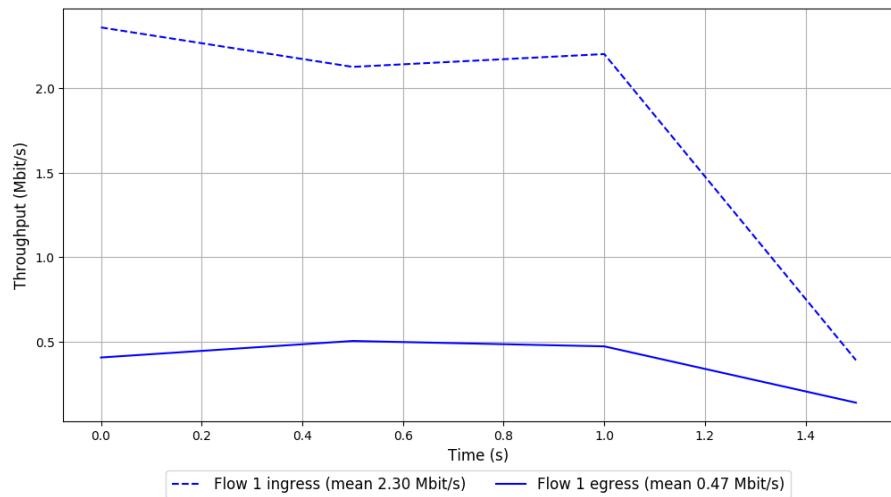
Start at: 2017-08-21 21:21:49

End at: 2017-08-21 21:22:19

Local clock offset: 1.862 ms

Remote clock offset: 7.726 ms

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



Run 4: Statistics of TaoVA-100x

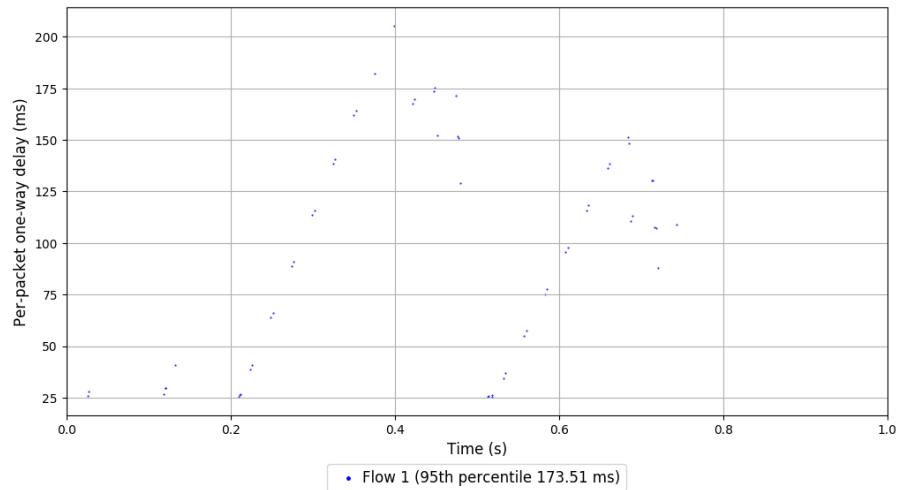
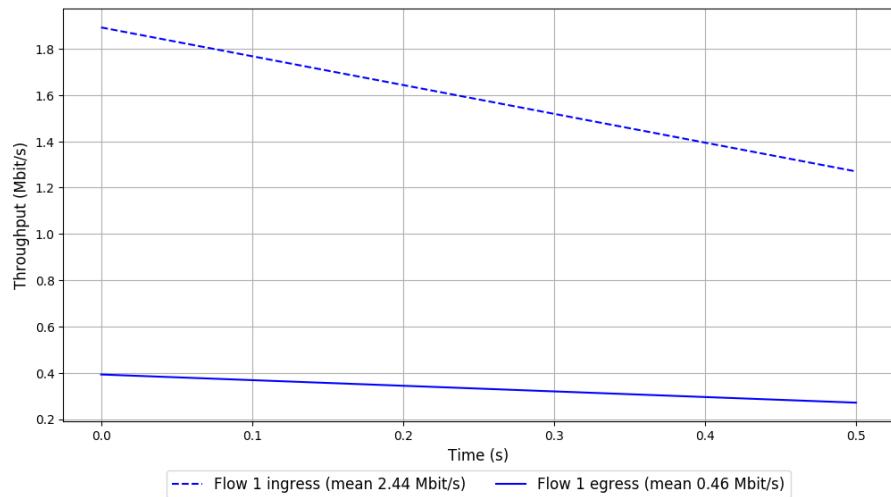
Start at: 2017-08-21 21:39:12

End at: 2017-08-21 21:39:42

Local clock offset: 3.184 ms

Remote clock offset: 7.819 ms

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



Run 5: Statistics of TaoVA-100x

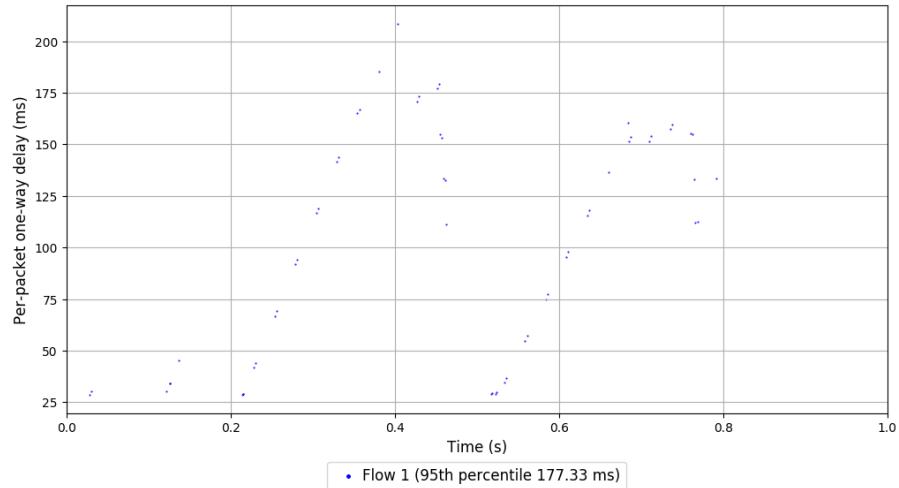
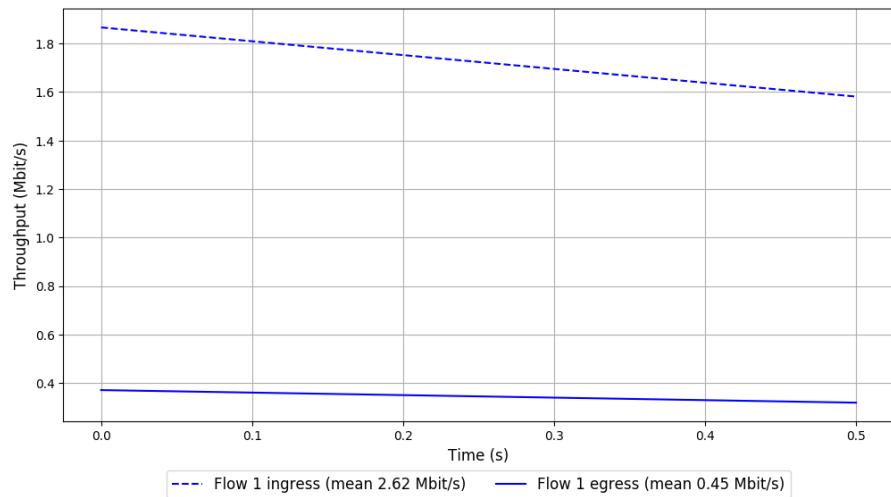
Start at: 2017-08-21 21:56:36

End at: 2017-08-21 21:57:06

Local clock offset: -0.006 ms

Remote clock offset: 7.544 ms

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



Run 6: Statistics of TaoVA-100x

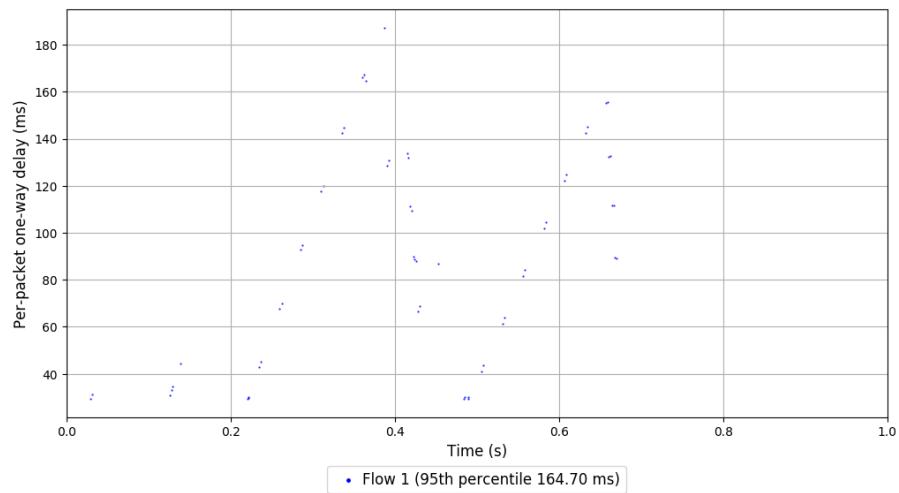
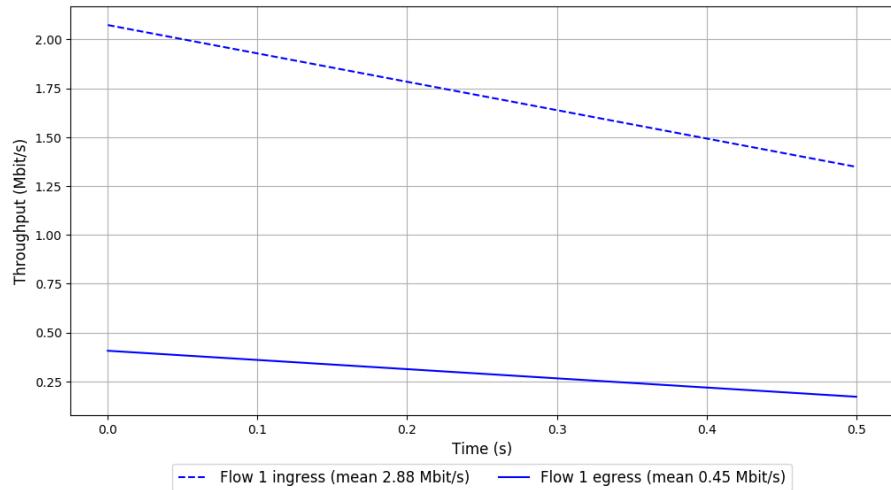
Start at: 2017-08-21 22:14:00

End at: 2017-08-21 22:14:30

Local clock offset: 1.023 ms

Remote clock offset: 7.18 ms

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



Run 7: Statistics of TaoVA-100x

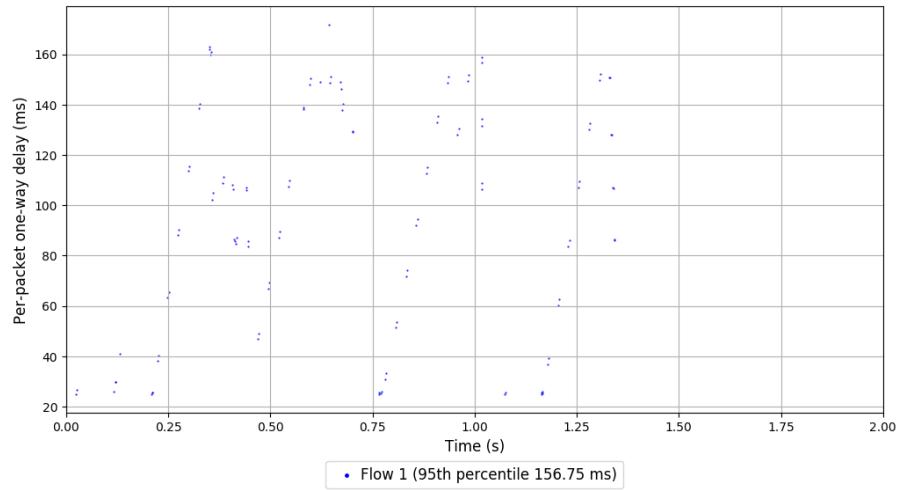
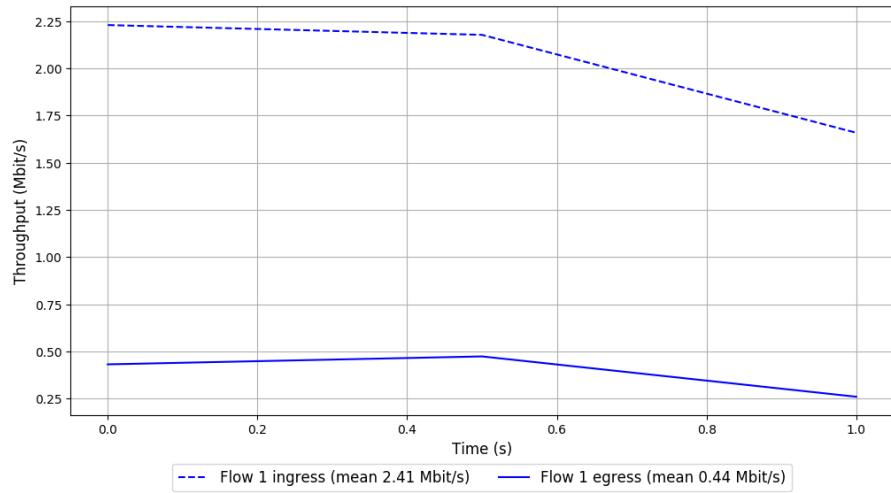
Start at: 2017-08-21 22:31:24

End at: 2017-08-21 22:31:54

Local clock offset: 2.872 ms

Remote clock offset: 7.013 ms

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



Run 8: Statistics of TaoVA-100x

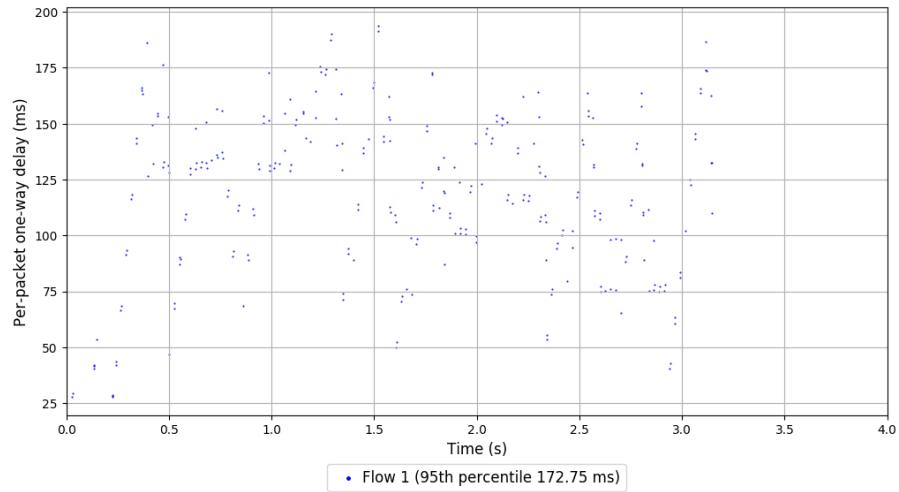
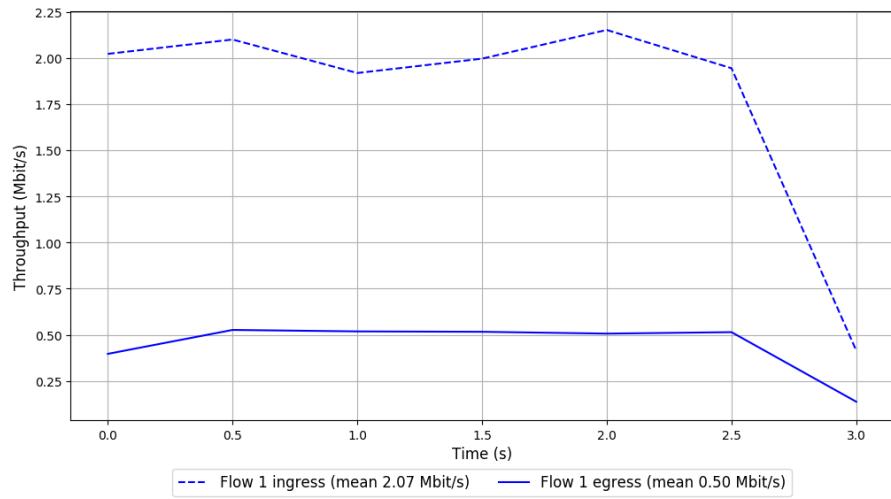
Start at: 2017-08-21 22:48:55

End at: 2017-08-21 22:49:25

Local clock offset: 0.666 ms

Remote clock offset: 7.664 ms

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



Run 9: Statistics of TaoVA-100x

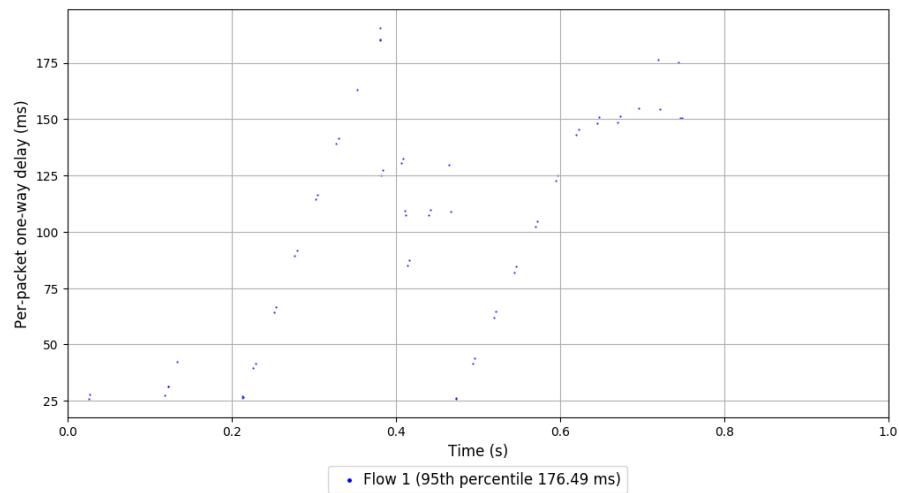
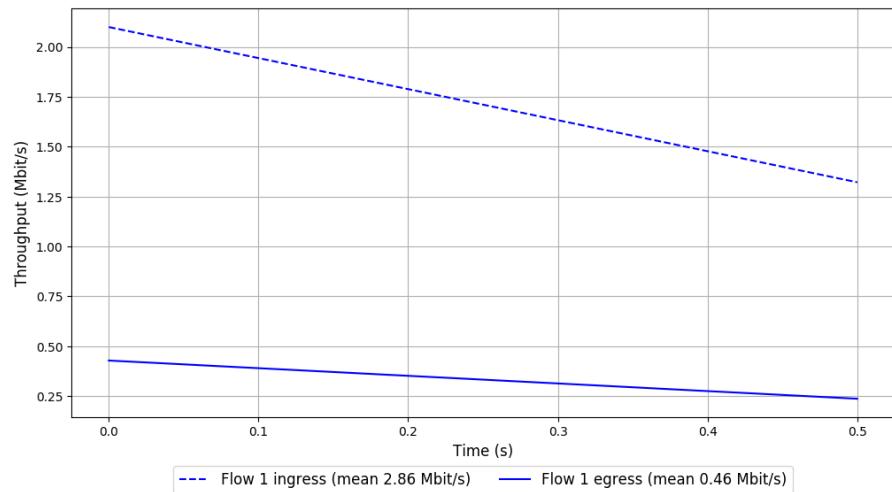
Start at: 2017-08-21 23:06:29

End at: 2017-08-21 23:06:59

Local clock offset: 2.21 ms

Remote clock offset: 7.468 ms

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



Run 10: Statistics of TaoVA-100x

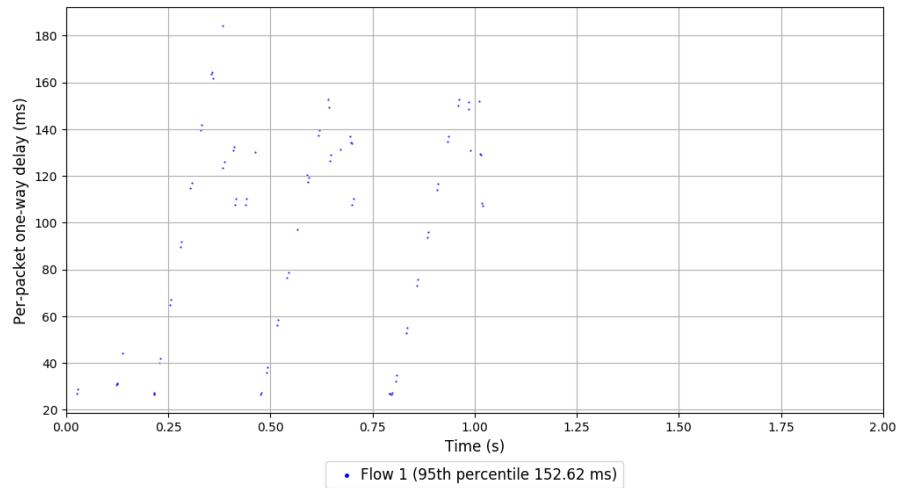
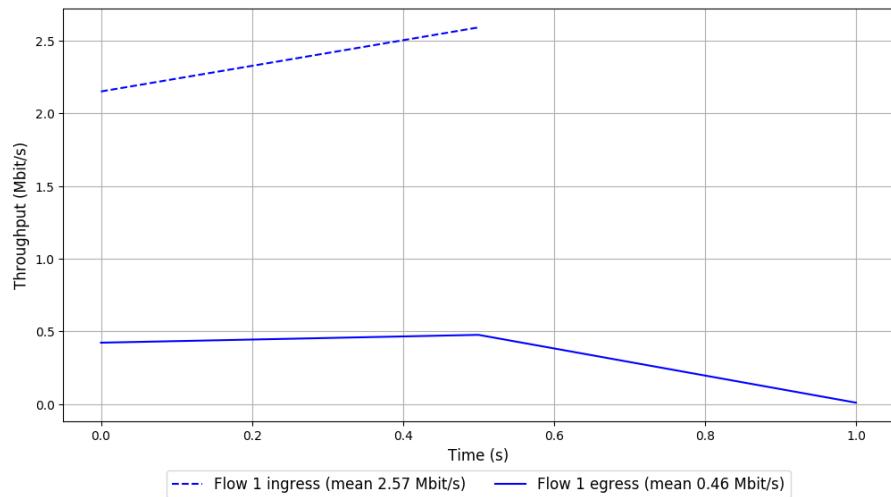
Start at: 2017-08-21 23:23:58

End at: 2017-08-21 23:24:28

Local clock offset: 1.321 ms

Remote clock offset: 7.32 ms

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

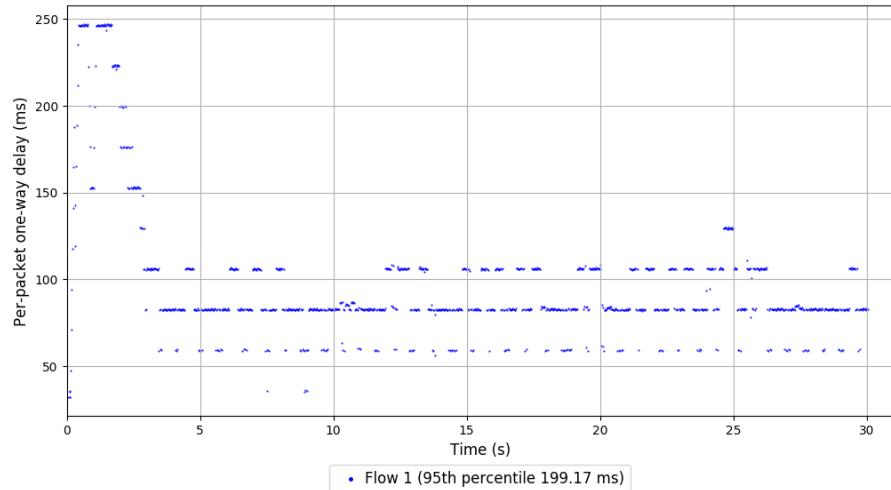
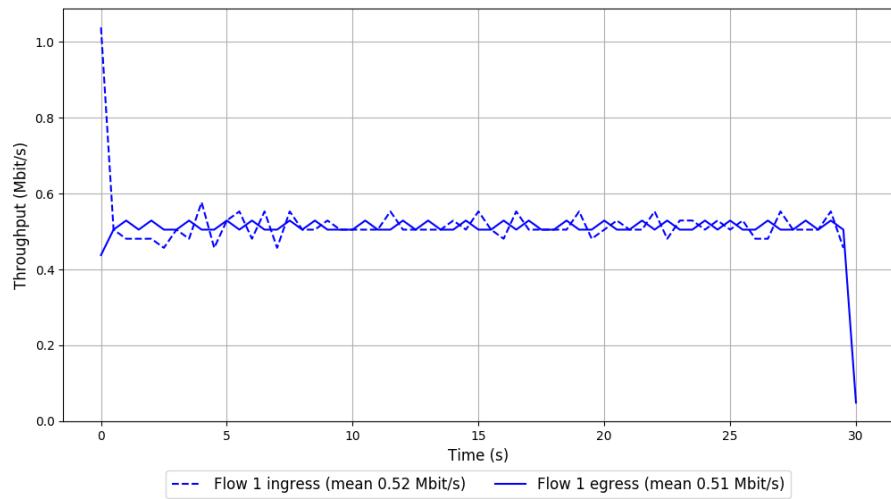


Run 1: Statistics of TCP Vegas

```
Start at: 2017-08-21 20:42:03
End at: 2017-08-21 20:42:33
Local clock offset: -1.685 ms
Remote clock offset: 8.321 ms

# Below is generated by plot.py at 2017-08-21 23:38:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 199.173 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 199.173 ms
Loss rate: 1.08%
```

Run 1: Report of TCP Vegas — Data Link

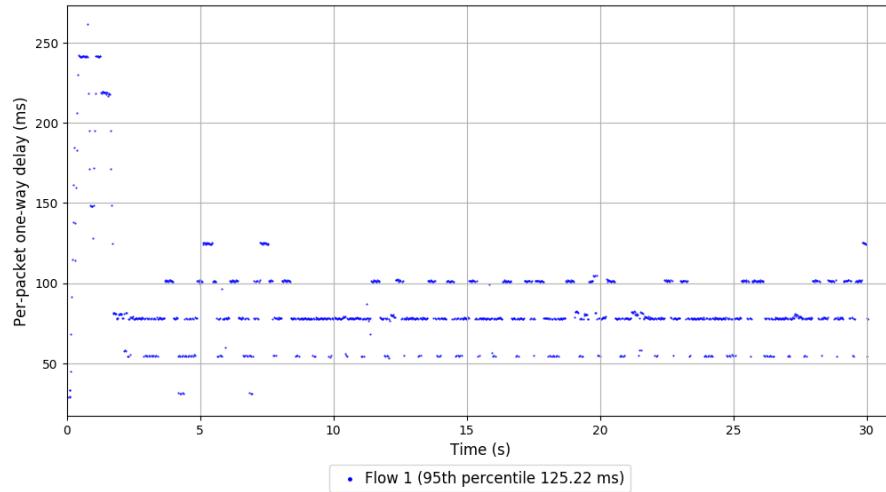
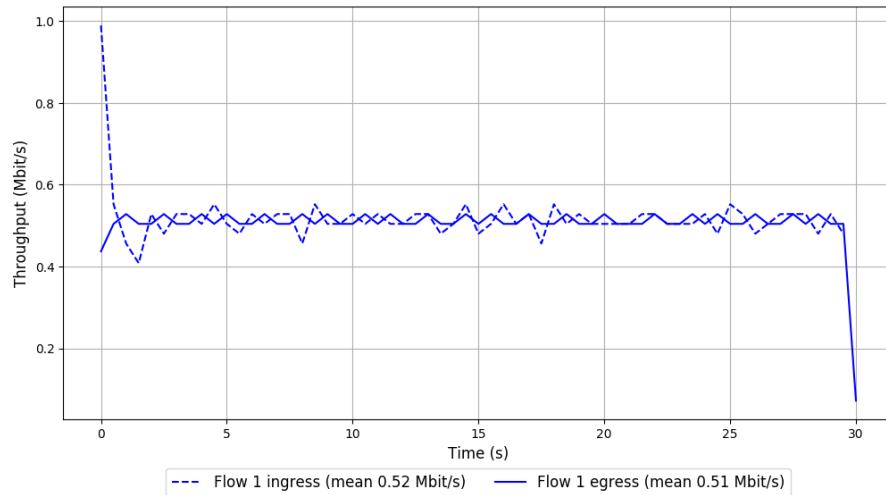


Run 2: Statistics of TCP Vegas

```
Start at: 2017-08-21 20:59:24
End at: 2017-08-21 20:59:54
Local clock offset: 1.723 ms
Remote clock offset: 7.36 ms

# Below is generated by plot.py at 2017-08-21 23:39:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 125.216 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 125.216 ms
Loss rate: 1.16%
```

Run 2: Report of TCP Vegas — Data Link

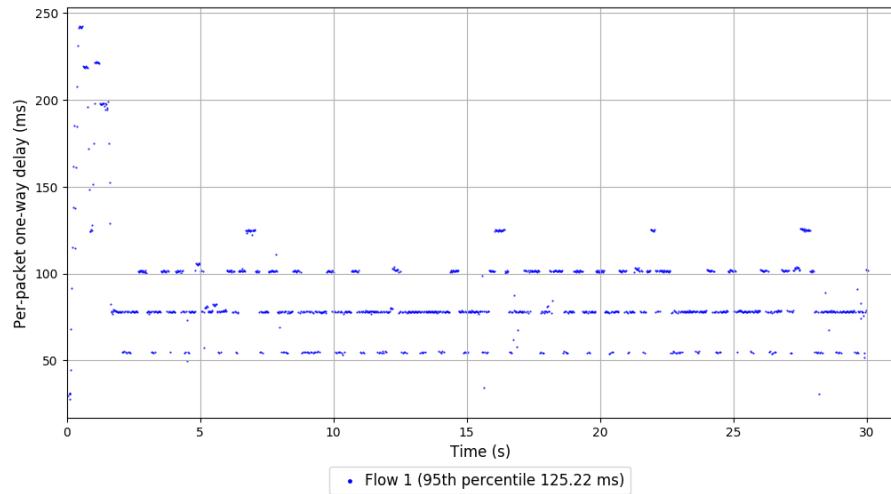
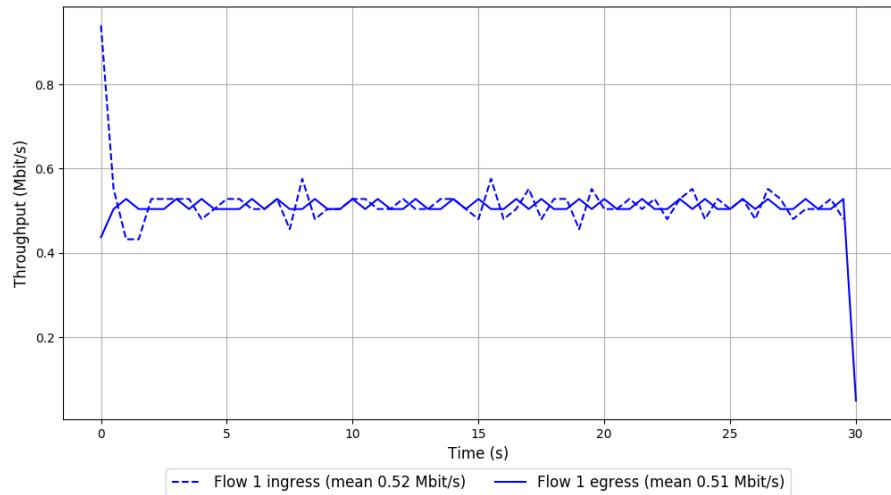


Run 3: Statistics of TCP Vegas

```
Start at: 2017-08-21 21:16:51
End at: 2017-08-21 21:17:21
Local clock offset: 2.711 ms
Remote clock offset: 7.302 ms

# Below is generated by plot.py at 2017-08-21 23:39:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 125.225 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 125.225 ms
Loss rate: 1.08%
```

Run 3: Report of TCP Vegas — Data Link

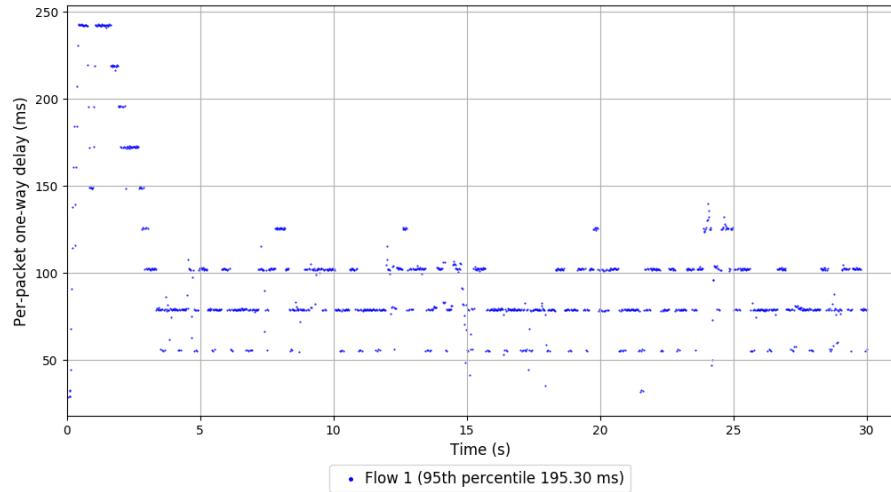
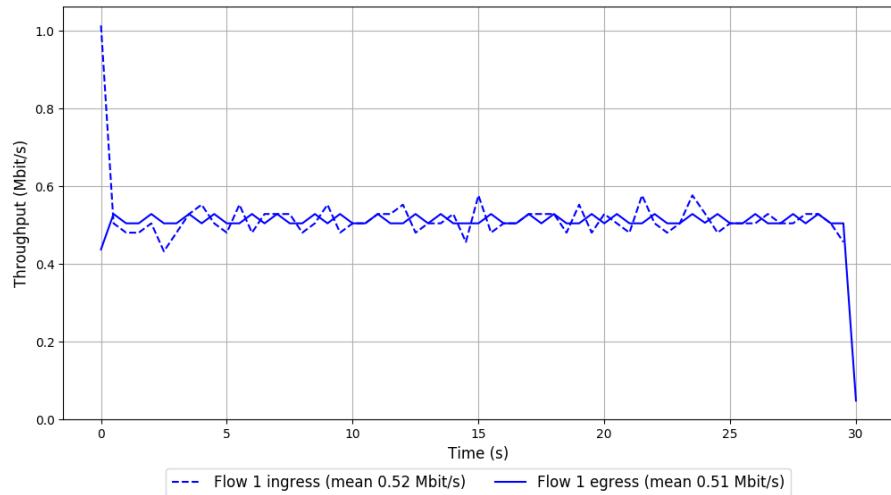


Run 4: Statistics of TCP Vegas

```
Start at: 2017-08-21 21:34:14
End at: 2017-08-21 21:34:44
Local clock offset: 1.469 ms
Remote clock offset: 6.826 ms

# Below is generated by plot.py at 2017-08-21 23:39:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 195.300 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 195.300 ms
Loss rate: 1.00%
```

Run 4: Report of TCP Vegas — Data Link

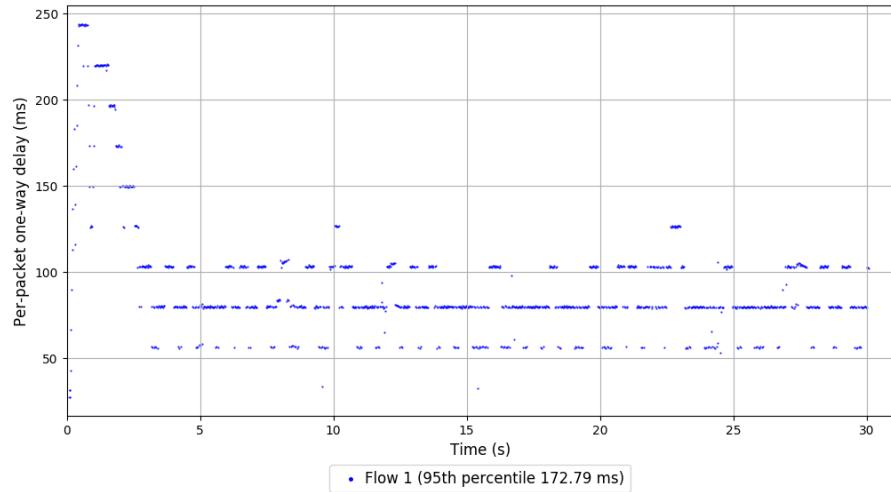
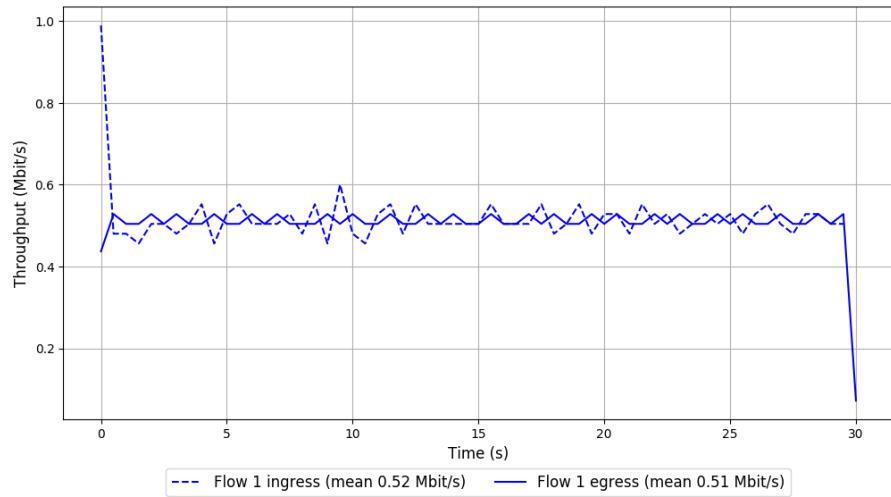


Run 5: Statistics of TCP Vegas

```
Start at: 2017-08-21 21:51:38
End at: 2017-08-21 21:52:08
Local clock offset: 0.802 ms
Remote clock offset: 7.086 ms

# Below is generated by plot.py at 2017-08-21 23:39:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 172.794 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 172.794 ms
Loss rate: 0.93%
```

Run 5: Report of TCP Vegas — Data Link

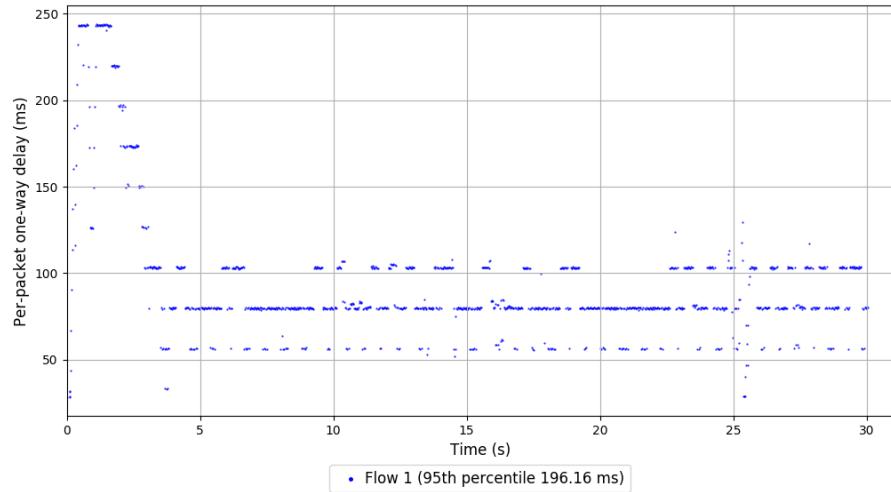
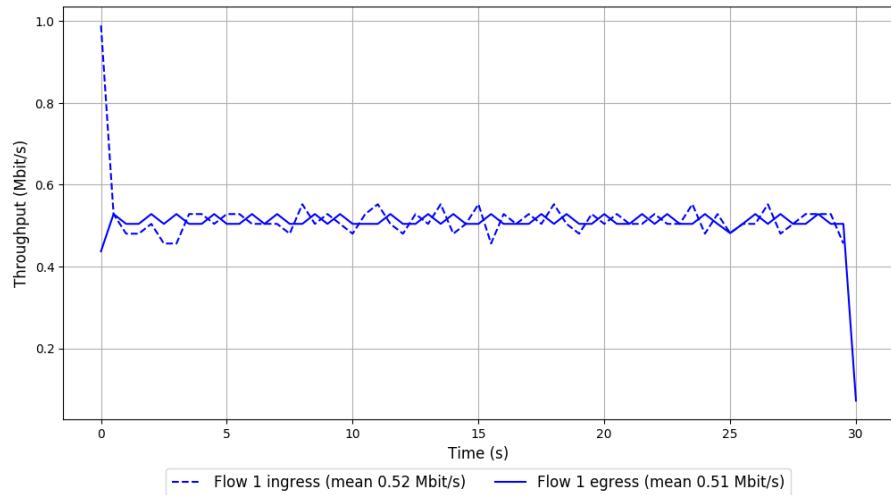


Run 6: Statistics of TCP Vegas

```
Start at: 2017-08-21 22:09:02
End at: 2017-08-21 22:09:32
Local clock offset: 0.669 ms
Remote clock offset: 7.53 ms

# Below is generated by plot.py at 2017-08-21 23:39:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 196.155 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 196.155 ms
Loss rate: 1.01%
```

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-08-21 22:26:26

End at: 2017-08-21 22:26:56

Local clock offset: 1.004 ms

Remote clock offset: 7.594 ms

Below is generated by plot.py at 2017-08-21 23:39:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 172.926 ms

Loss rate: 0.93%

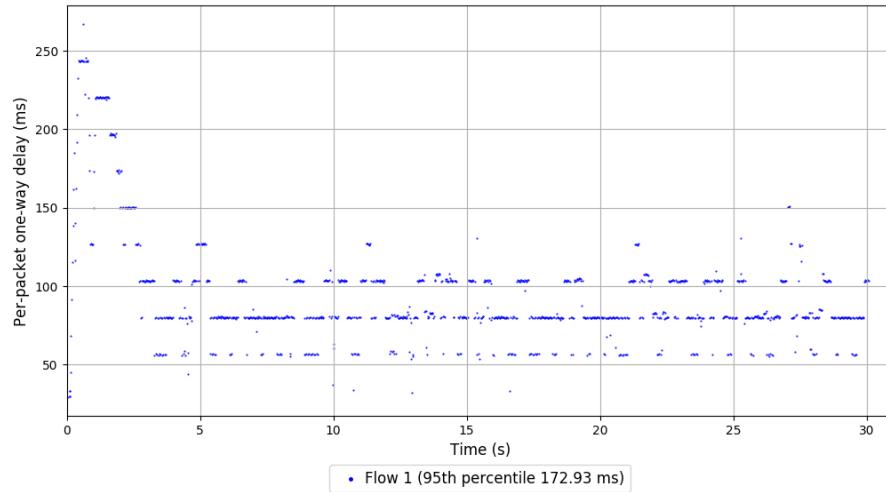
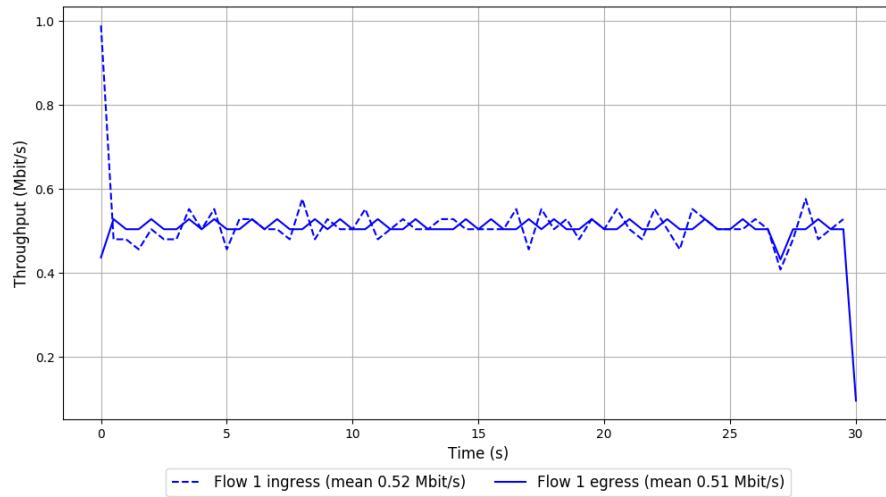
-- Flow 1:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 172.926 ms

Loss rate: 0.93%

Run 7: Report of TCP Vegas — Data Link

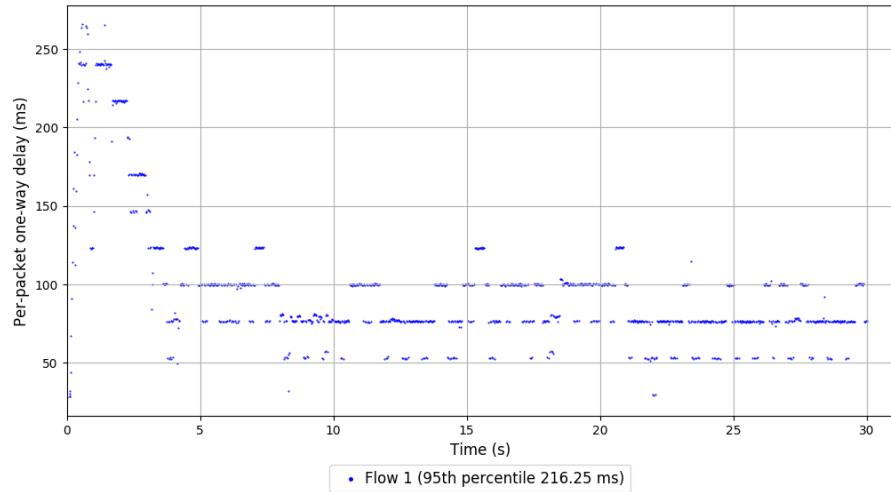
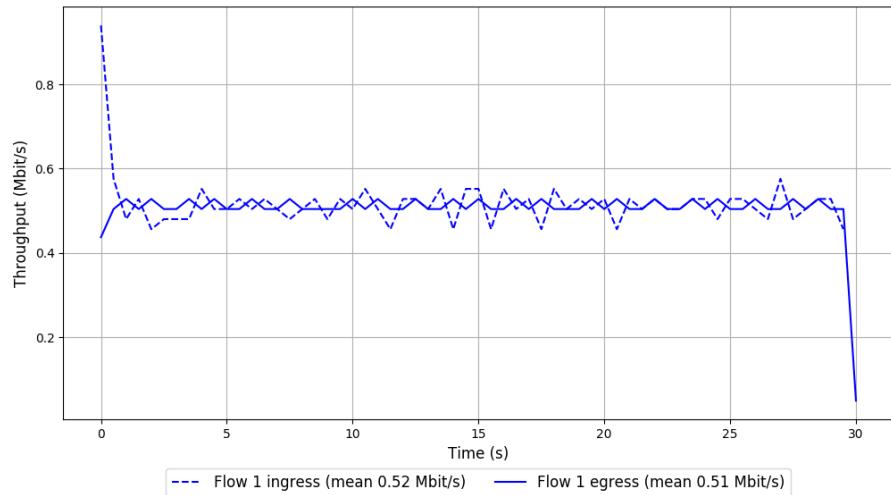


Run 8: Statistics of TCP Vegas

```
Start at: 2017-08-21 22:43:56
End at: 2017-08-21 22:44:26
Local clock offset: 1.634 ms
Remote clock offset: 7.034 ms

# Below is generated by plot.py at 2017-08-21 23:39:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 216.251 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 216.251 ms
Loss rate: 1.01%
```

Run 8: Report of TCP Vegas — Data Link

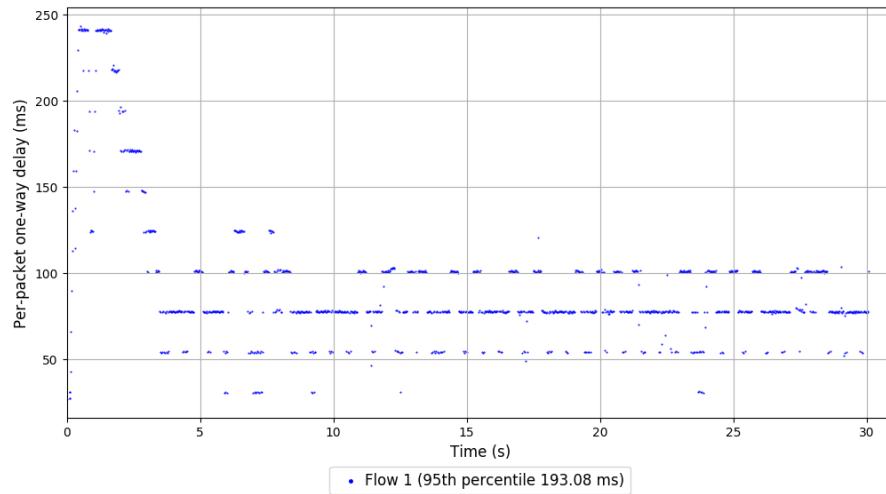
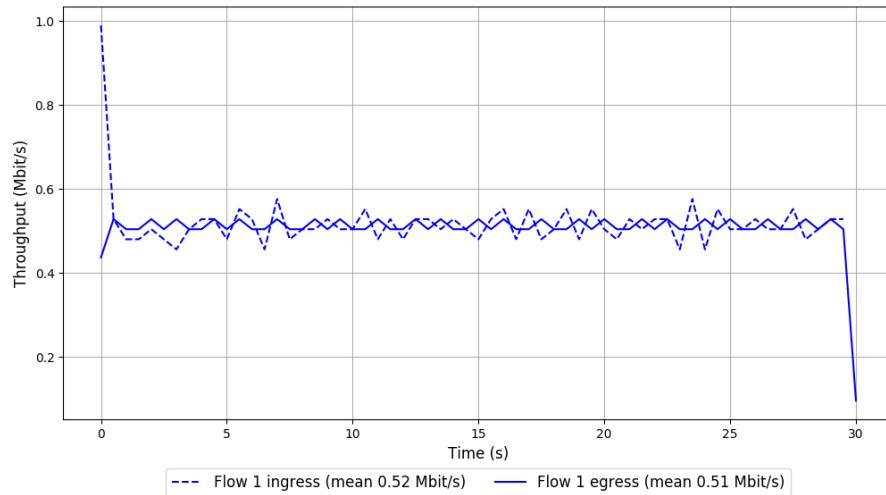


Run 9: Statistics of TCP Vegas

```
Start at: 2017-08-21 23:01:31
End at: 2017-08-21 23:02:01
Local clock offset: 0.943 ms
Remote clock offset: 7.26 ms

# Below is generated by plot.py at 2017-08-21 23:39:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 193.081 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 193.081 ms
Loss rate: 1.00%
```

Run 9: Report of TCP Vegas — Data Link

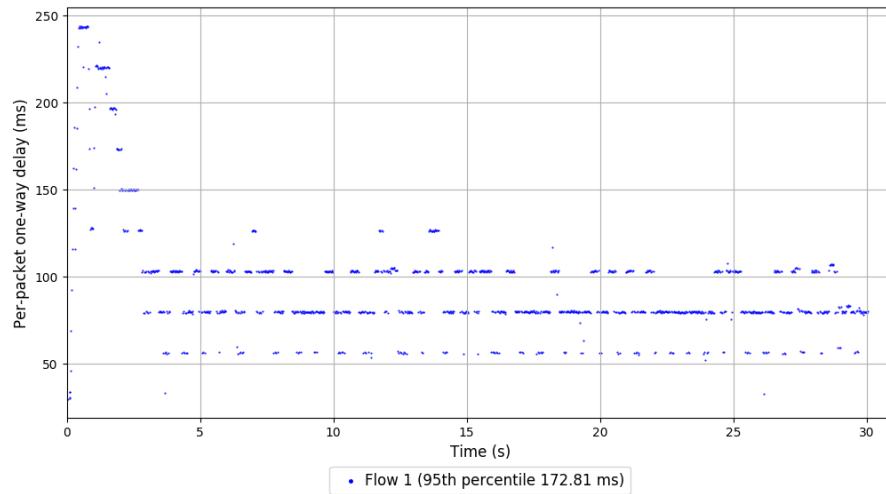
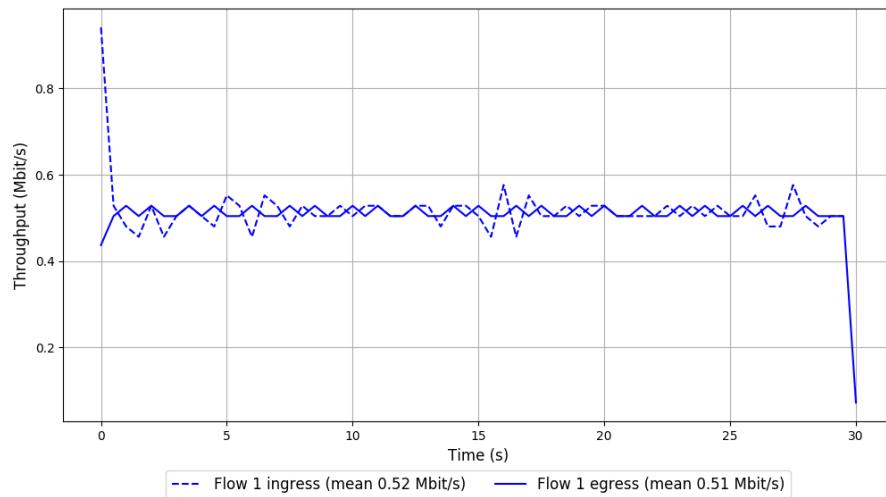


Run 10: Statistics of TCP Vegas

```
Start at: 2017-08-21 23:18:57
End at: 2017-08-21 23:19:27
Local clock offset: -1.723 ms
Remote clock offset: 7.001 ms

# Below is generated by plot.py at 2017-08-21 23:39:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 172.807 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 172.807 ms
Loss rate: 0.93%
```

Run 10: Report of TCP Vegas — Data Link

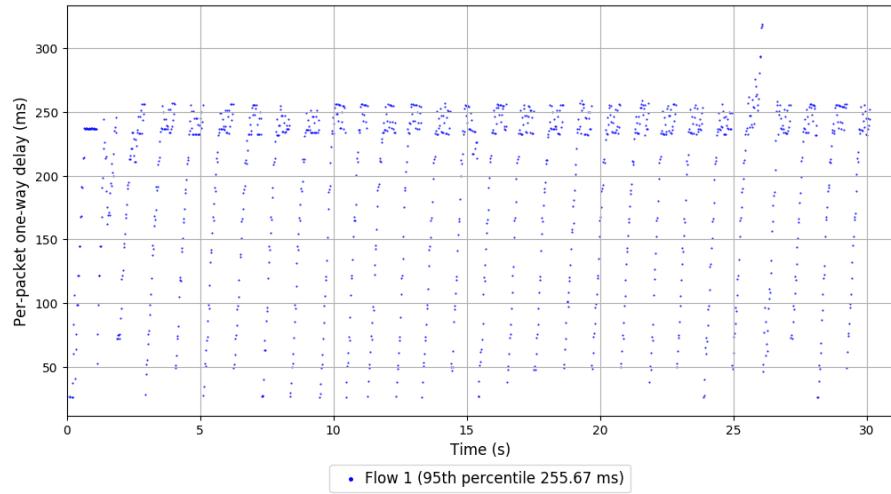
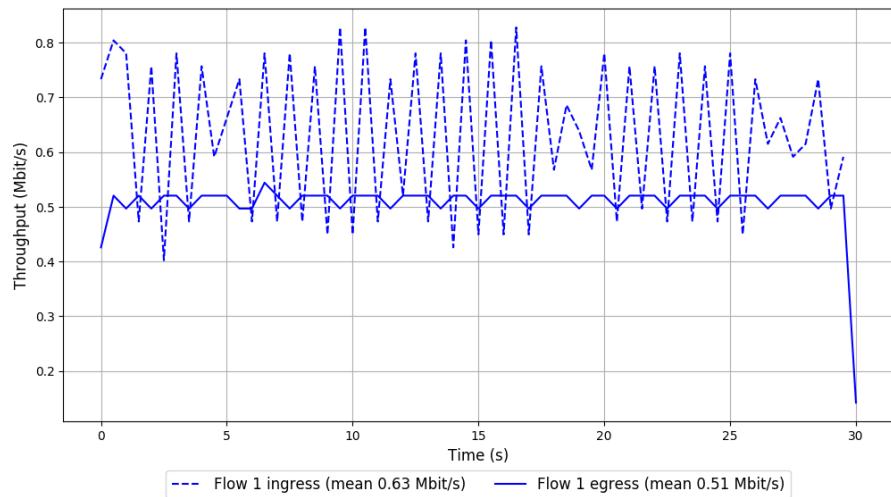


Run 1: Statistics of Verus

```
Start at: 2017-08-21 20:50:41
End at: 2017-08-21 20:51:11
Local clock offset: 2.72 ms
Remote clock offset: 6.944 ms

# Below is generated by plot.py at 2017-08-21 23:39:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 255.670 ms
Loss rate: 18.53%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 255.670 ms
Loss rate: 18.53%
```

Run 1: Report of Verus — Data Link

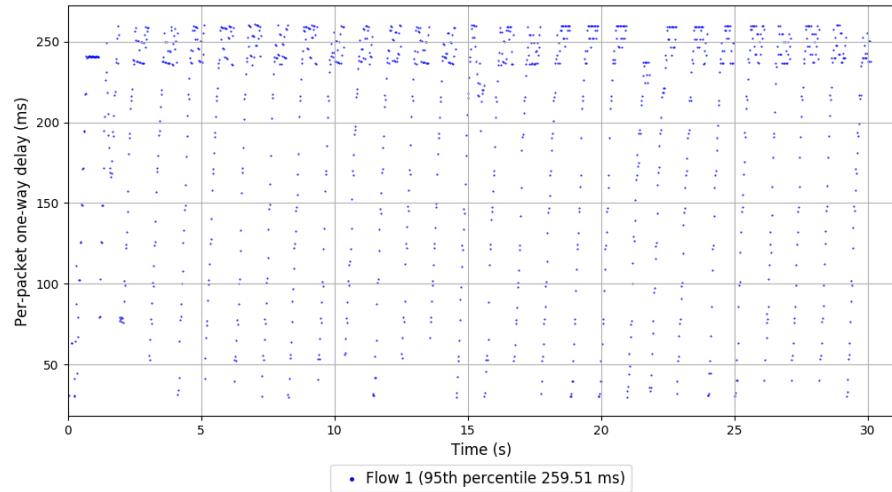
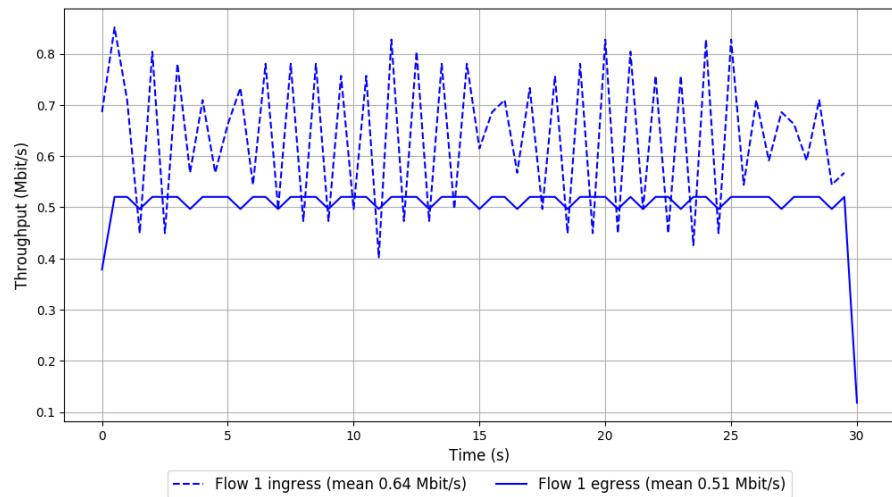


Run 2: Statistics of Verus

```
Start at: 2017-08-21 21:08:08
End at: 2017-08-21 21:08:38
Local clock offset: -0.743 ms
Remote clock offset: 7.488 ms

# Below is generated by plot.py at 2017-08-21 23:39:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 259.507 ms
Loss rate: 19.47%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 259.507 ms
Loss rate: 19.47%
```

Run 2: Report of Verus — Data Link

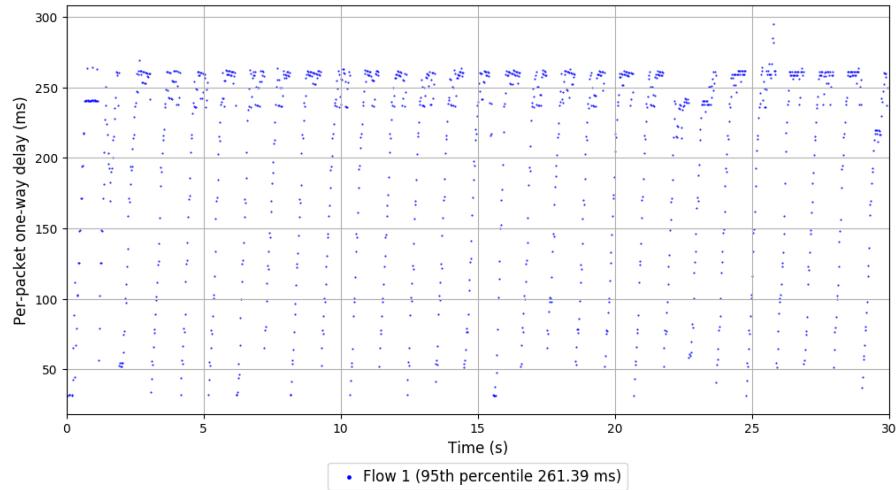
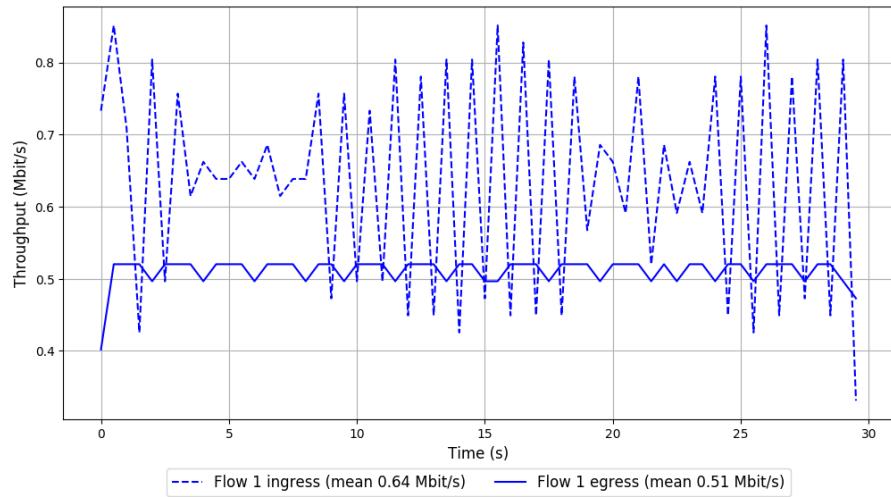


Run 3: Statistics of Verus

```
Start at: 2017-08-21 21:25:32
End at: 2017-08-21 21:26:02
Local clock offset: -0.361 ms
Remote clock offset: 7.781 ms

# Below is generated by plot.py at 2017-08-21 23:39:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 261.392 ms
Loss rate: 19.85%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 261.392 ms
Loss rate: 19.85%
```

Run 3: Report of Verus — Data Link

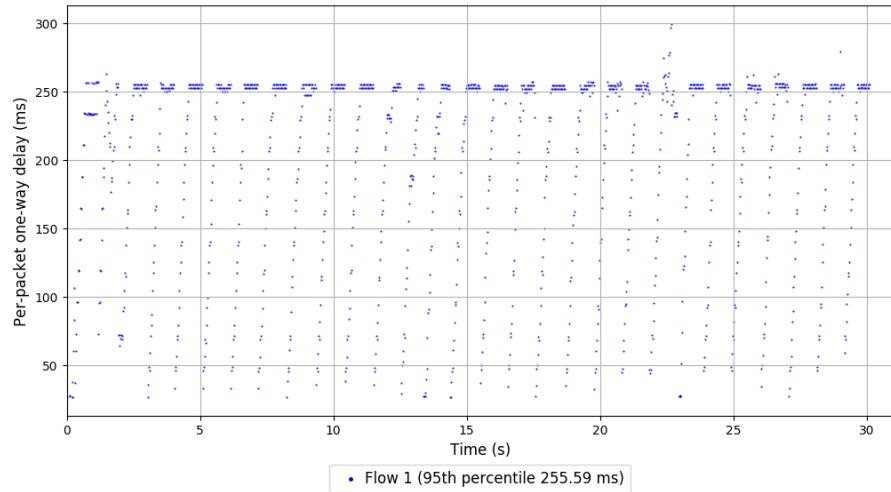
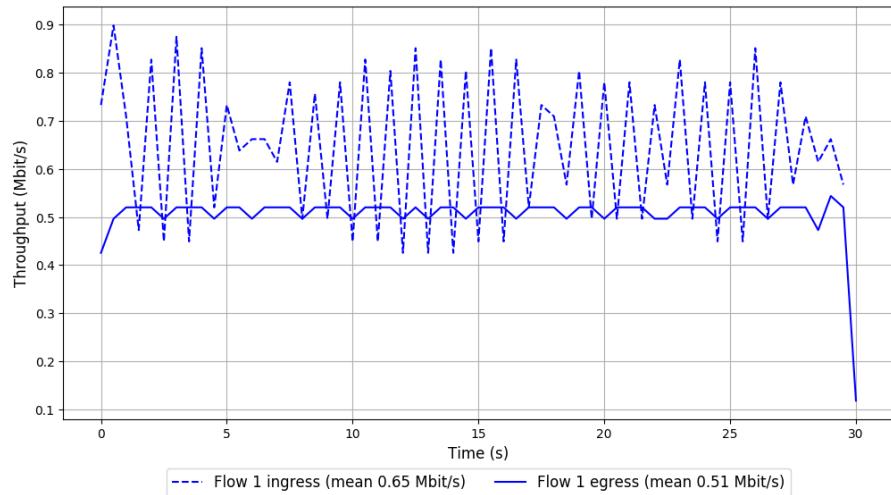


Run 4: Statistics of Verus

```
Start at: 2017-08-21 21:42:54
End at: 2017-08-21 21:43:24
Local clock offset: 2.27 ms
Remote clock offset: 5.689 ms

# Below is generated by plot.py at 2017-08-21 23:39:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 255.585 ms
Loss rate: 20.92%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 255.585 ms
Loss rate: 20.92%
```

Run 4: Report of Verus — Data Link

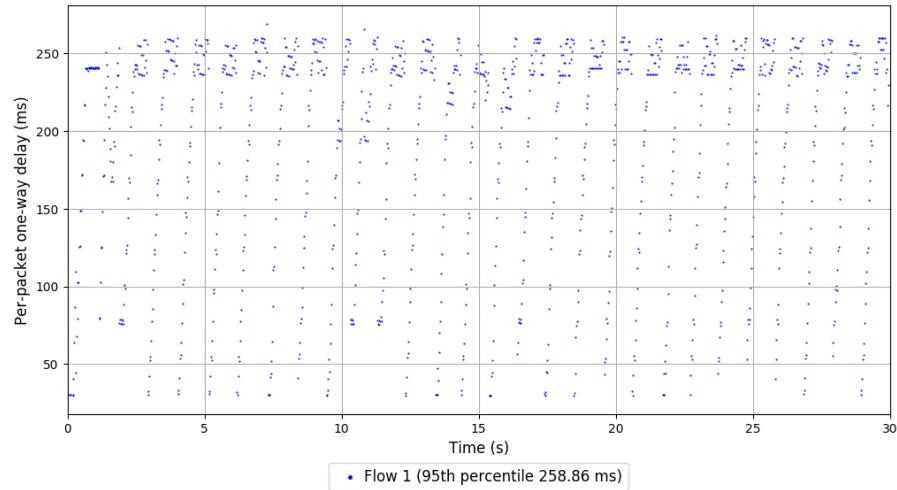
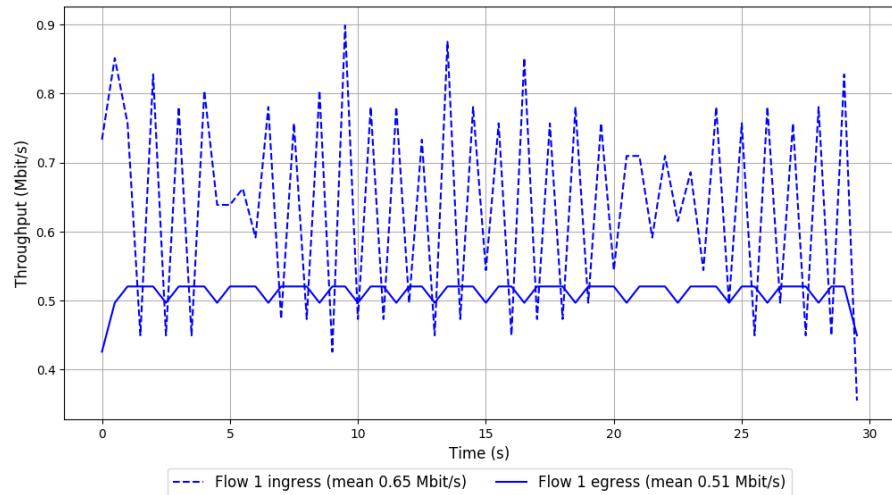


Run 5: Statistics of Verus

```
Start at: 2017-08-21 22:00:18
End at: 2017-08-21 22:00:48
Local clock offset: -1.451 ms
Remote clock offset: 6.867 ms

# Below is generated by plot.py at 2017-08-21 23:39:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 258.855 ms
Loss rate: 20.09%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 258.855 ms
Loss rate: 20.09%
```

Run 5: Report of Verus — Data Link

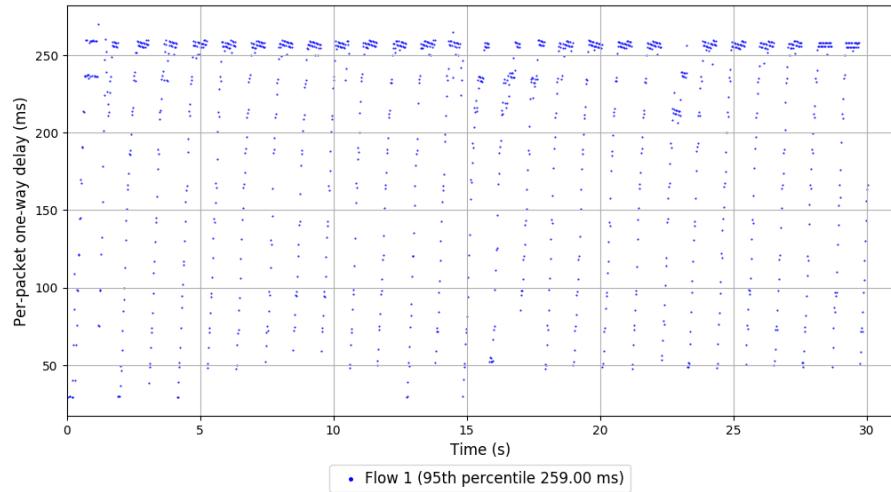
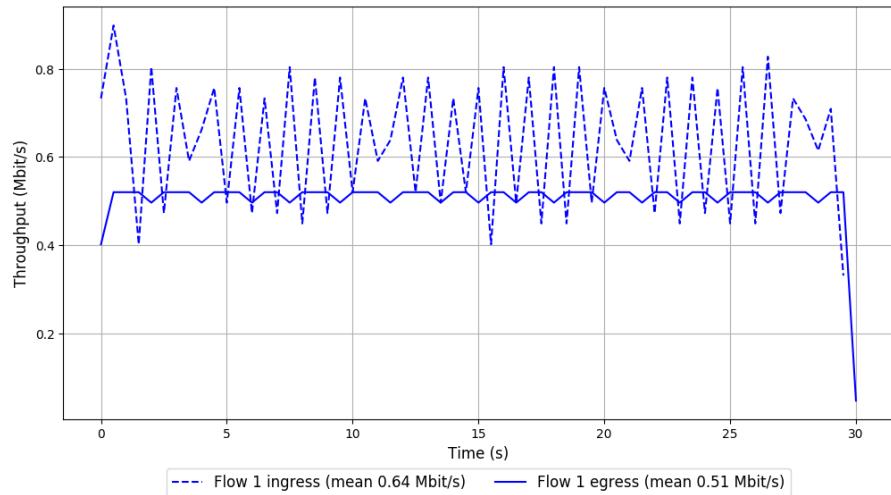


Run 6: Statistics of Verus

```
Start at: 2017-08-21 22:17:42
End at: 2017-08-21 22:18:12
Local clock offset: 1.165 ms
Remote clock offset: 7.227 ms

# Below is generated by plot.py at 2017-08-21 23:39:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 259.004 ms
Loss rate: 19.29%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 259.004 ms
Loss rate: 19.29%
```

Run 6: Report of Verus — Data Link

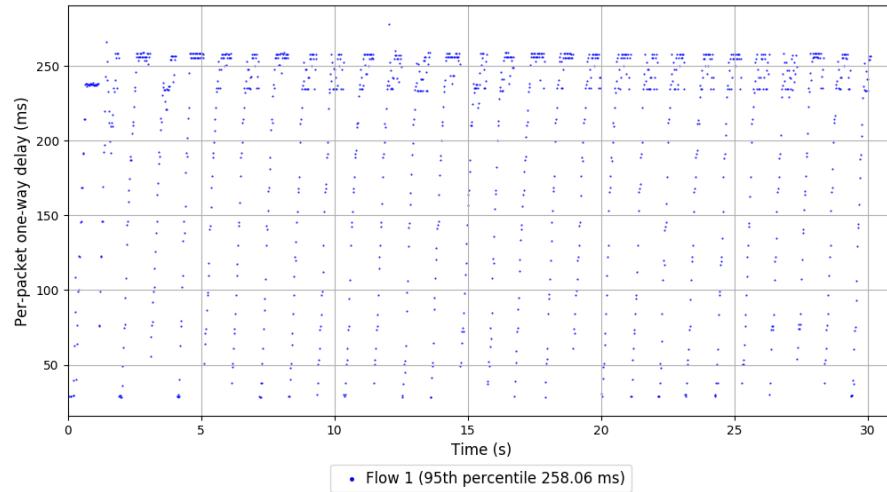
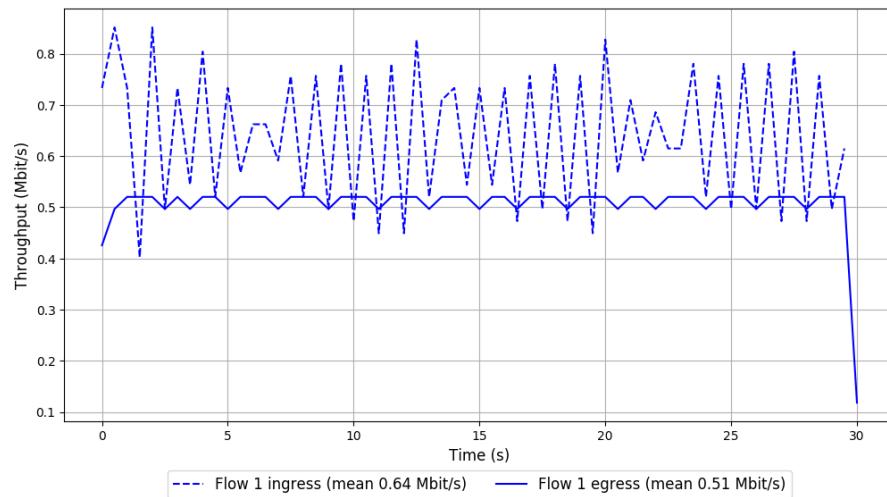


Run 7: Statistics of Verus

```
Start at: 2017-08-21 22:35:08
End at: 2017-08-21 22:35:39
Local clock offset: 0.878 ms
Remote clock offset: 6.475 ms

# Below is generated by plot.py at 2017-08-21 23:39:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 258.065 ms
Loss rate: 19.79%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 258.065 ms
Loss rate: 19.79%
```

Run 7: Report of Verus — Data Link

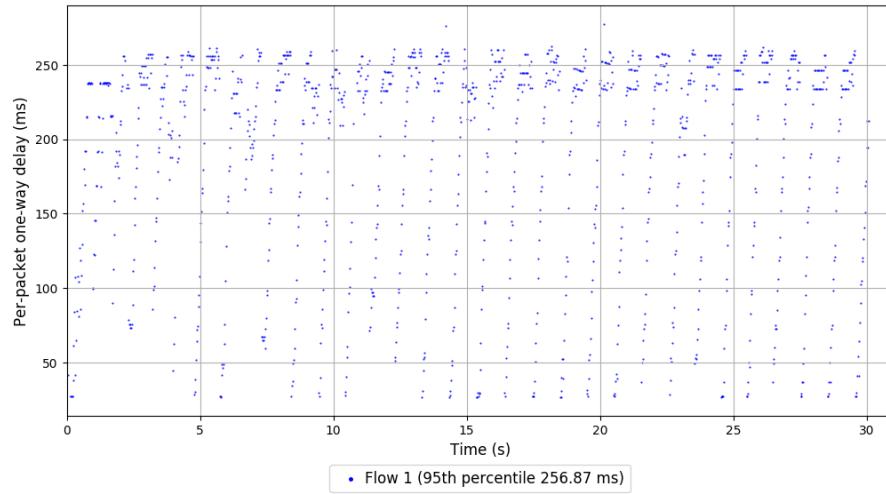
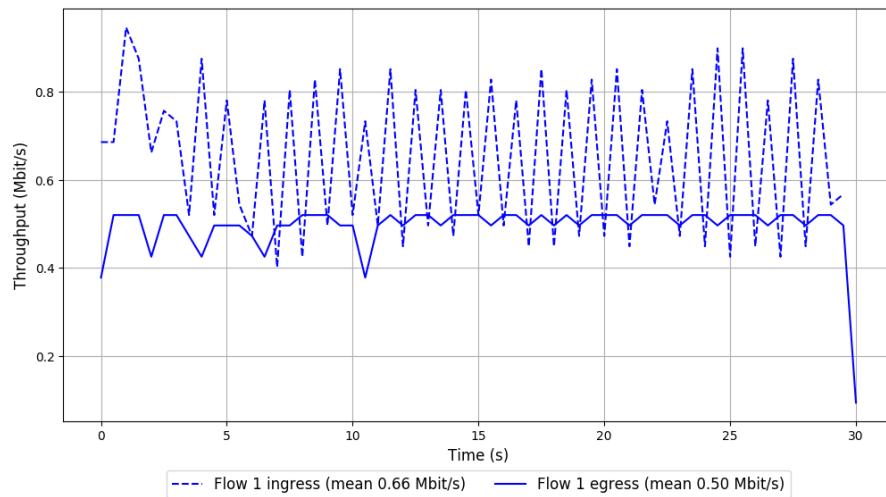


Run 8: Statistics of Verus

```
Start at: 2017-08-21 22:52:39
End at: 2017-08-21 22:53:09
Local clock offset: 1.564 ms
Remote clock offset: 7.478 ms

# Below is generated by plot.py at 2017-08-21 23:39:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 256.866 ms
Loss rate: 23.27%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 256.866 ms
Loss rate: 23.27%
```

Run 8: Report of Verus — Data Link

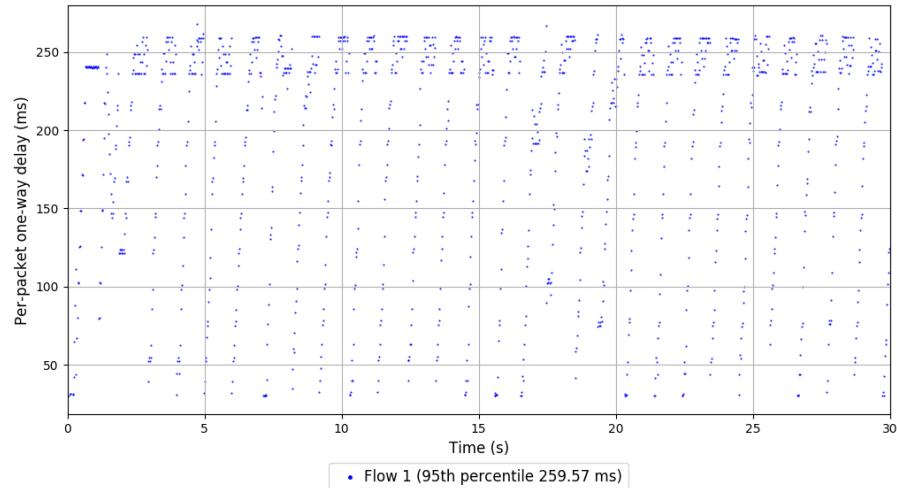
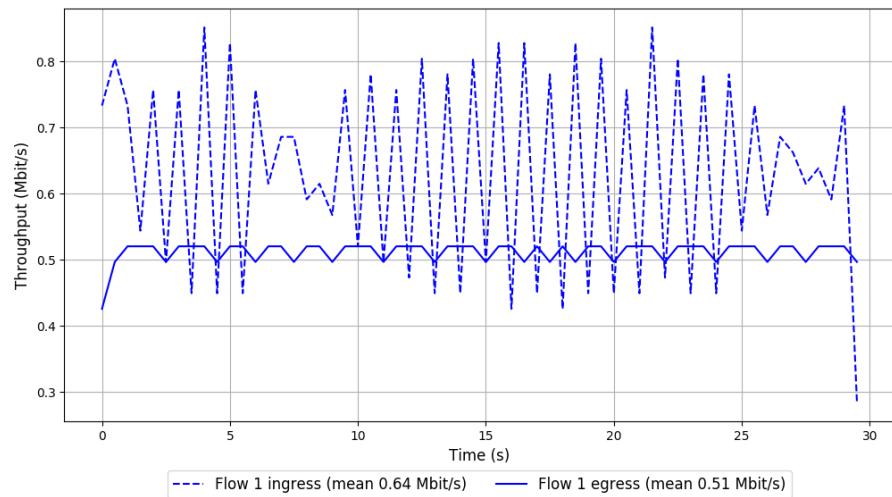


Run 9: Statistics of Verus

```
Start at: 2017-08-21 23:10:12
End at: 2017-08-21 23:10:42
Local clock offset: -2.416 ms
Remote clock offset: 6.668 ms

# Below is generated by plot.py at 2017-08-21 23:39:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 259.569 ms
Loss rate: 19.33%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 259.569 ms
Loss rate: 19.33%
```

Run 9: Report of Verus — Data Link

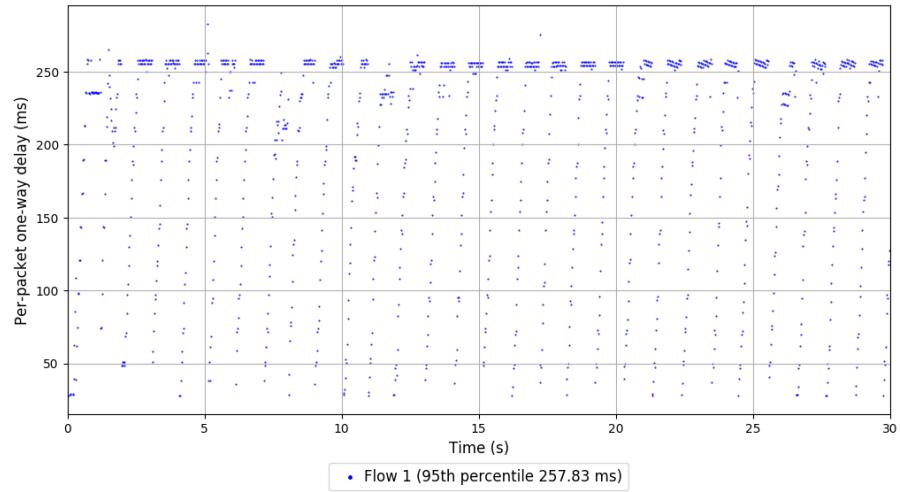
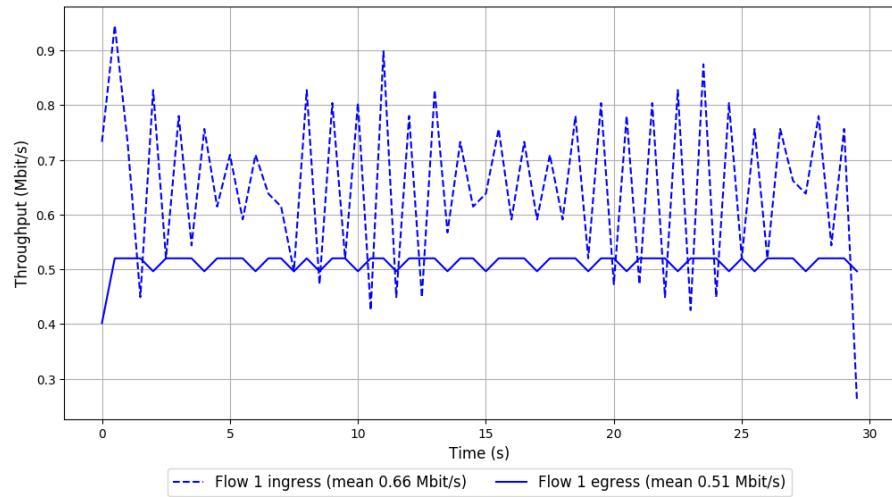


Run 10: Statistics of Verus

```
Start at: 2017-08-21 23:27:39
End at: 2017-08-21 23:28:09
Local clock offset: 1.551 ms
Remote clock offset: 6.883 ms

# Below is generated by plot.py at 2017-08-21 23:39:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 257.831 ms
Loss rate: 21.52%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 257.831 ms
Loss rate: 21.52%
```

Run 10: Report of Verus — Data Link

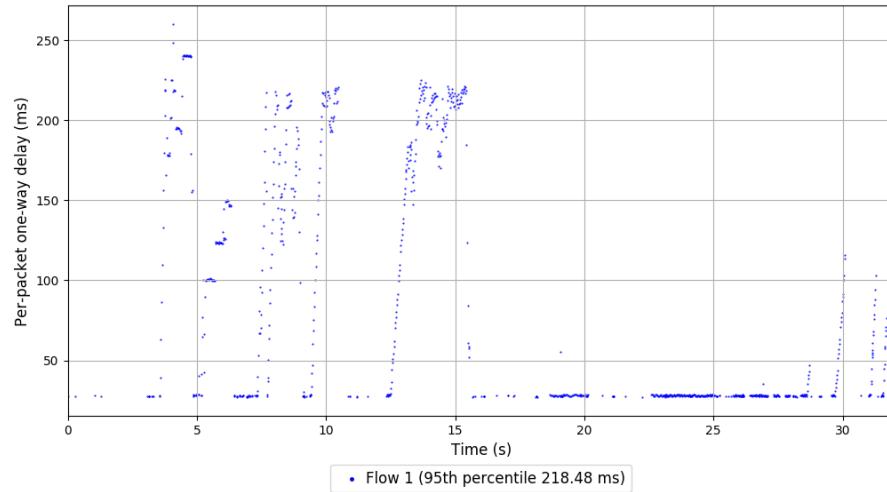
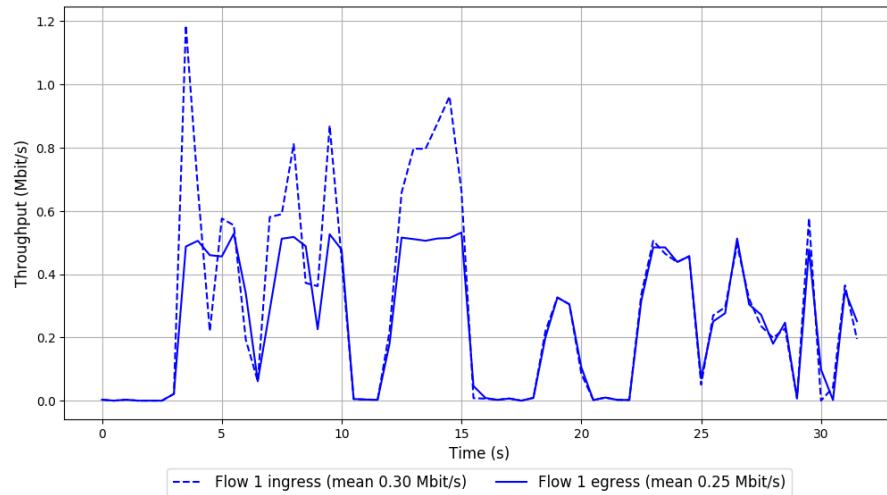


Run 1: Statistics of WebRTC media

```
Start at: 2017-08-21 20:48:13
End at: 2017-08-21 20:48:43
Local clock offset: 2.564 ms
Remote clock offset: 6.518 ms

# Below is generated by plot.py at 2017-08-21 23:39:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 218.484 ms
Loss rate: 17.31%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 218.484 ms
Loss rate: 17.31%
```

Run 1: Report of WebRTC media — Data Link

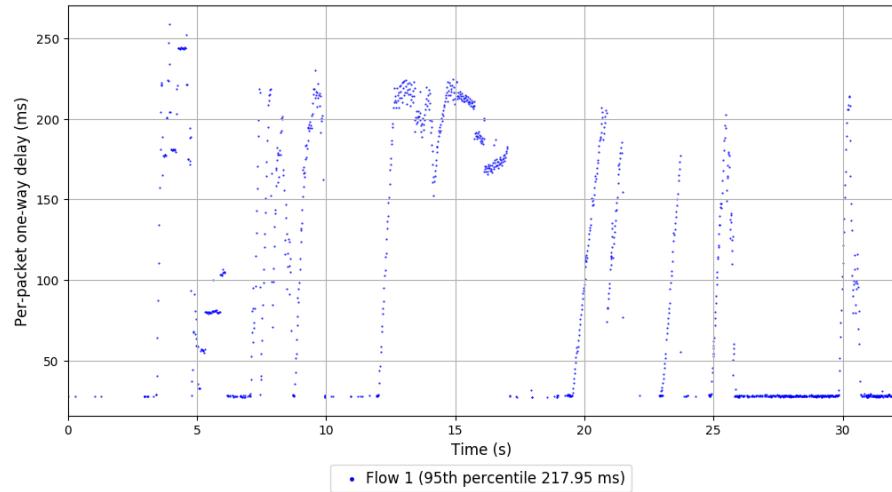
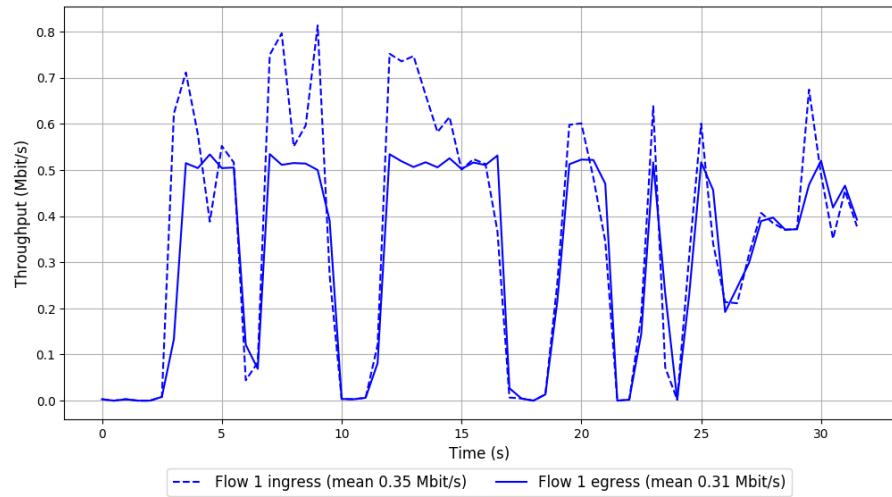


Run 2: Statistics of WebRTC media

```
Start at: 2017-08-21 21:05:39
End at: 2017-08-21 21:06:09
Local clock offset: 1.202 ms
Remote clock offset: 7.555 ms

# Below is generated by plot.py at 2017-08-21 23:39:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 217.946 ms
Loss rate: 10.94%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 217.946 ms
Loss rate: 10.94%
```

Run 2: Report of WebRTC media — Data Link

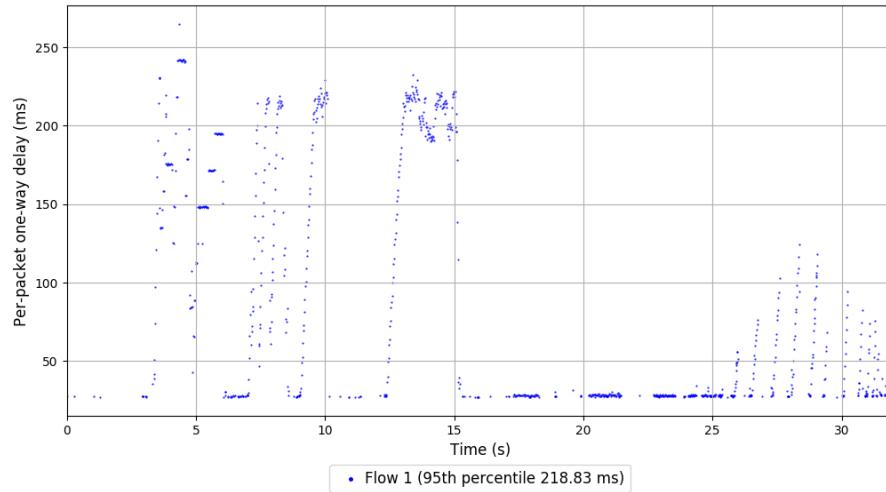
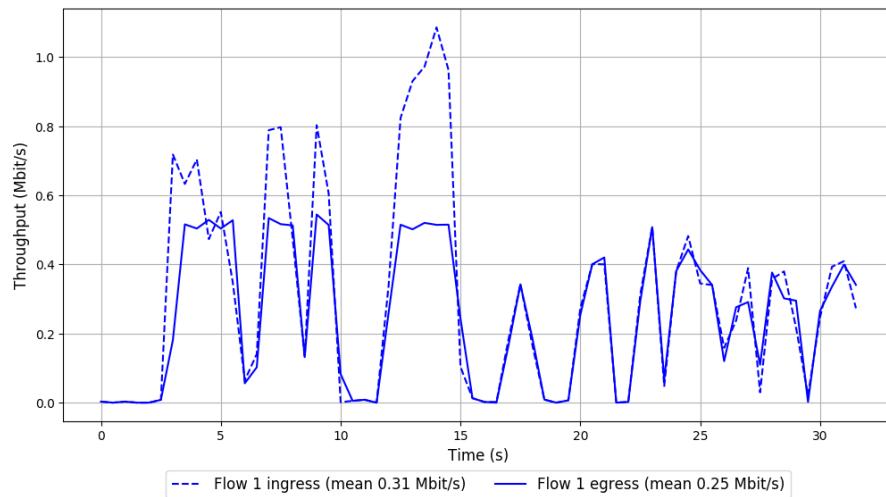


Run 3: Statistics of WebRTC media

```
Start at: 2017-08-21 21:23:03
End at: 2017-08-21 21:23:33
Local clock offset: 1.669 ms
Remote clock offset: 7.523 ms

# Below is generated by plot.py at 2017-08-21 23:39:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 218.830 ms
Loss rate: 18.30%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 218.830 ms
Loss rate: 18.30%
```

Run 3: Report of WebRTC media — Data Link

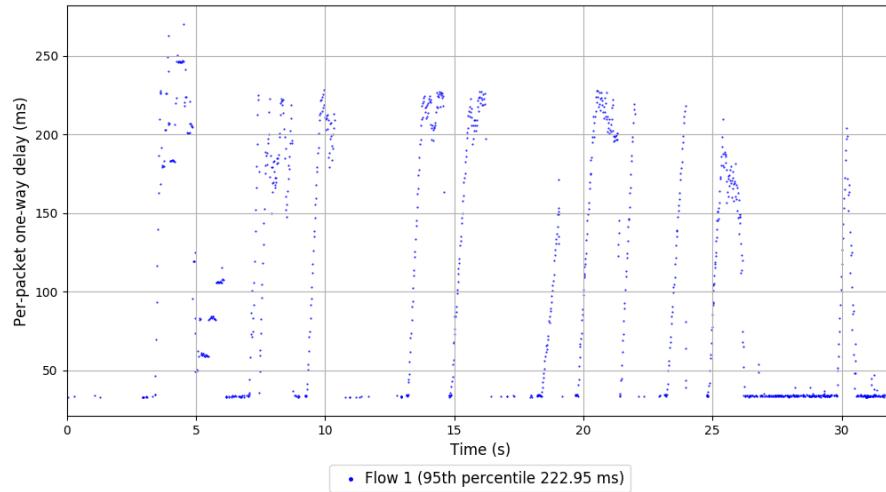
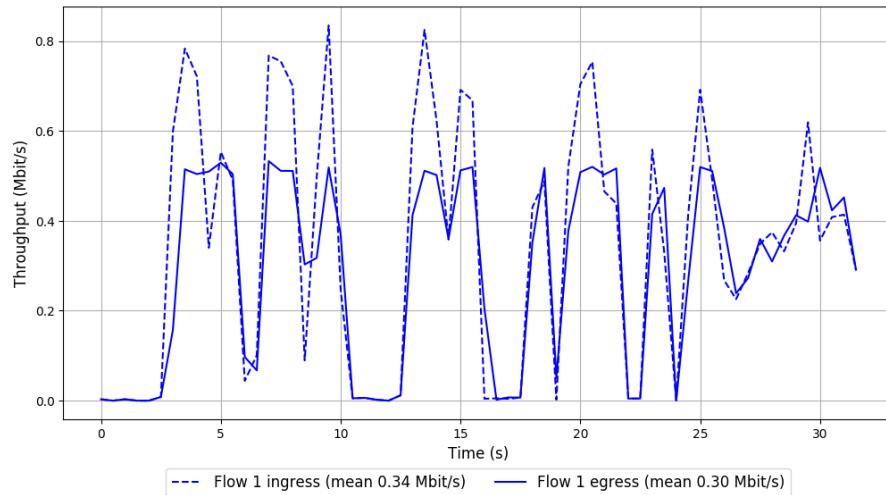


Run 4: Statistics of WebRTC media

```
Start at: 2017-08-21 21:40:25
End at: 2017-08-21 21:40:55
Local clock offset: -2.063 ms
Remote clock offset: 8.285 ms

# Below is generated by plot.py at 2017-08-21 23:39:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 222.948 ms
Loss rate: 13.55%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 222.948 ms
Loss rate: 13.55%
```

Run 4: Report of WebRTC media — Data Link

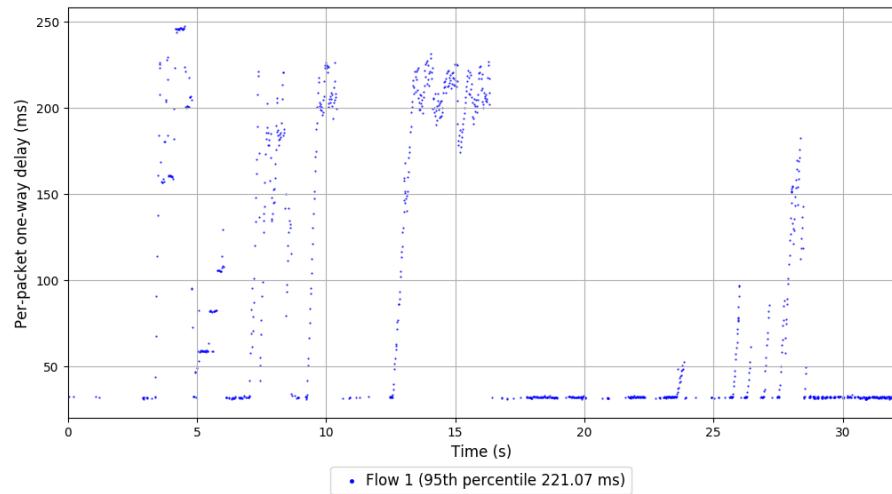
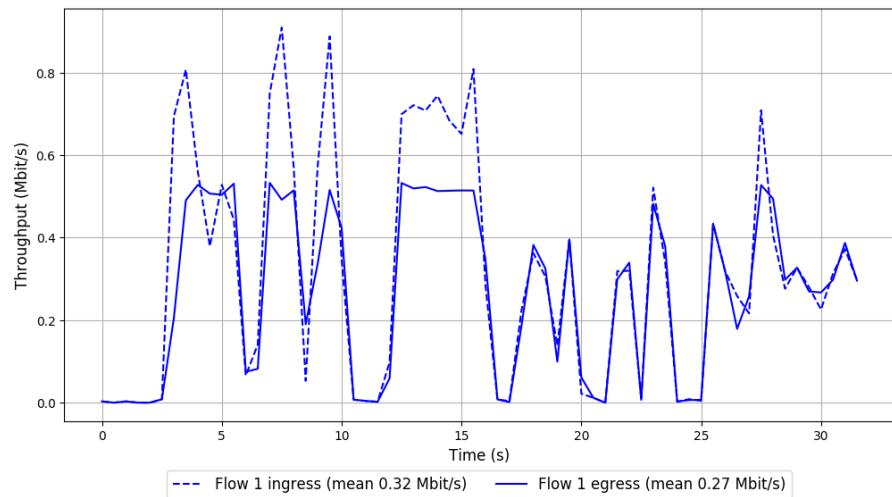


Run 5: Statistics of WebRTC media

```
Start at: 2017-08-21 21:57:49
End at: 2017-08-21 21:58:19
Local clock offset: -1.524 ms
Remote clock offset: 7.053 ms

# Below is generated by plot.py at 2017-08-21 23:39:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 221.071 ms
Loss rate: 15.68%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 221.071 ms
Loss rate: 15.68%
```

Run 5: Report of WebRTC media — Data Link

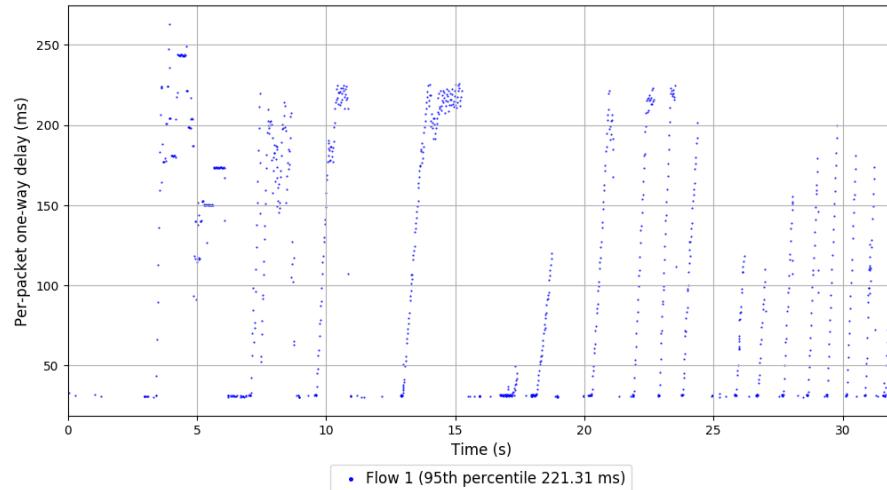
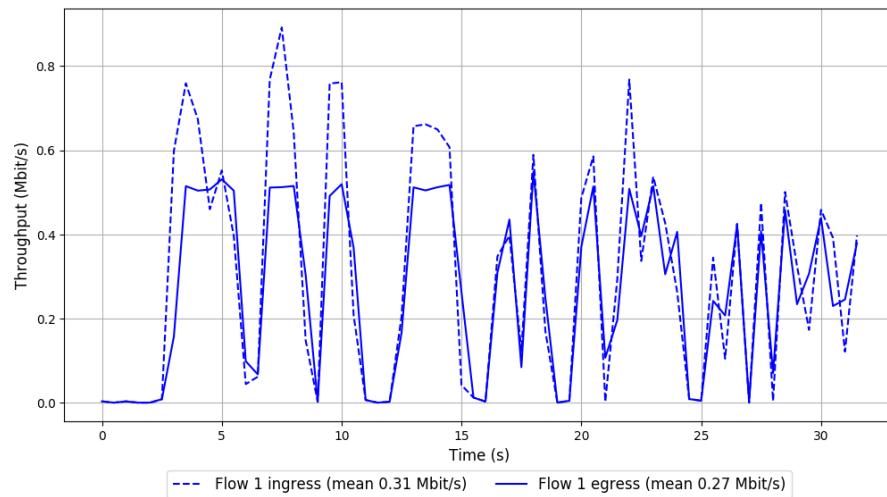


```
Run 6: Statistics of WebRTC media

Start at: 2017-08-21 22:15:13
End at: 2017-08-21 22:15:43
Local clock offset: -0.698 ms
Remote clock offset: 7.195 ms

# Below is generated by plot.py at 2017-08-21 23:39:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 221.307 ms
Loss rate: 12.35%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 221.307 ms
Loss rate: 12.35%
```

Run 6: Report of WebRTC media — Data Link

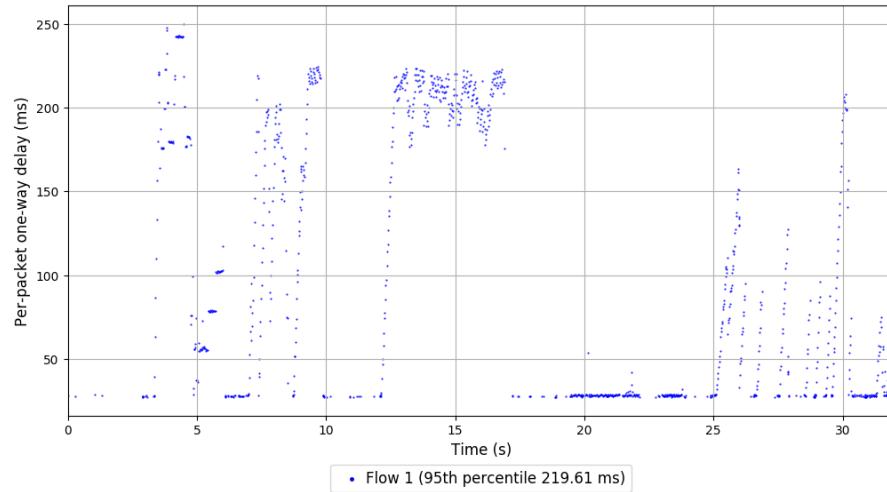
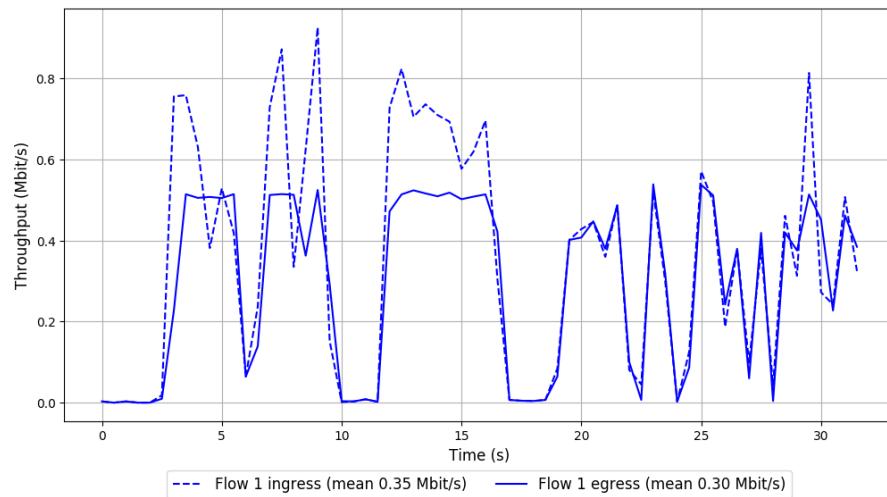


Run 7: Statistics of WebRTC media

```
Start at: 2017-08-21 22:32:39
End at: 2017-08-21 22:33:09
Local clock offset: -0.078 ms
Remote clock offset: 6.877 ms

# Below is generated by plot.py at 2017-08-21 23:39:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 219.613 ms
Loss rate: 15.41%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 219.613 ms
Loss rate: 15.41%
```

Run 7: Report of WebRTC media — Data Link

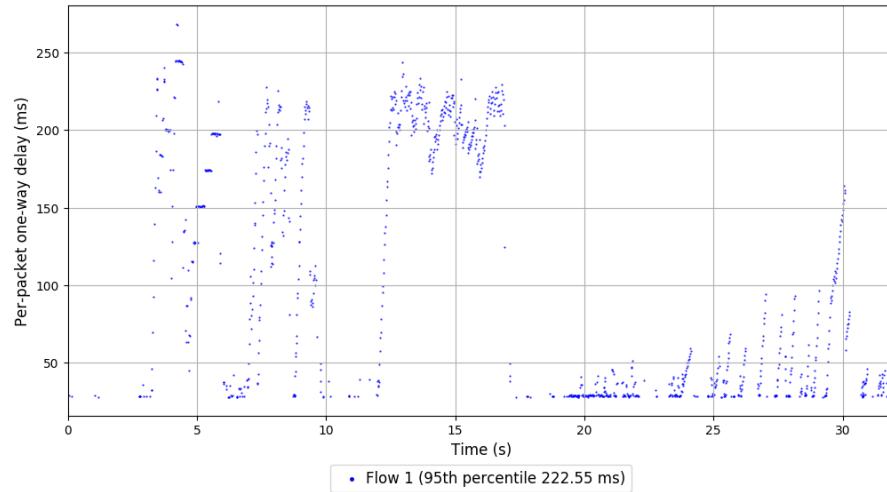
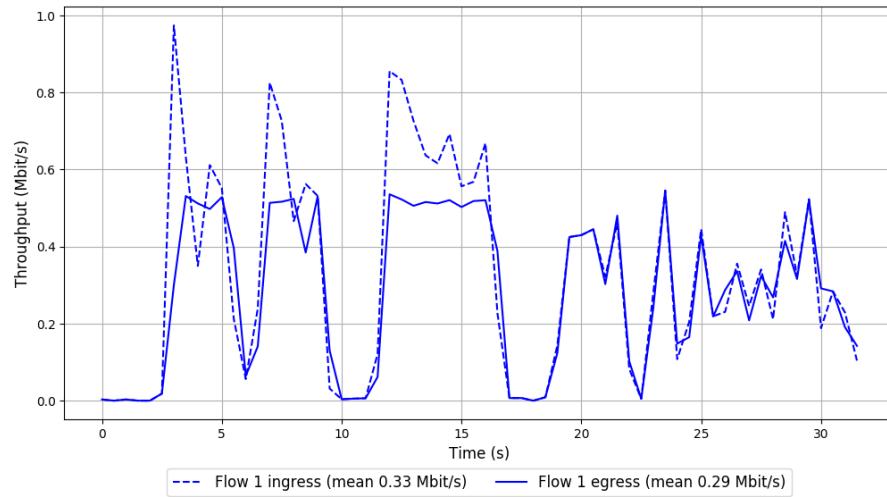


Run 8: Statistics of WebRTC media

```
Start at: 2017-08-21 22:50:09
End at: 2017-08-21 22:50:39
Local clock offset: -0.324 ms
Remote clock offset: 7.507 ms

# Below is generated by plot.py at 2017-08-21 23:39:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 222.550 ms
Loss rate: 12.39%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 222.550 ms
Loss rate: 12.39%
```

Run 8: Report of WebRTC media — Data Link

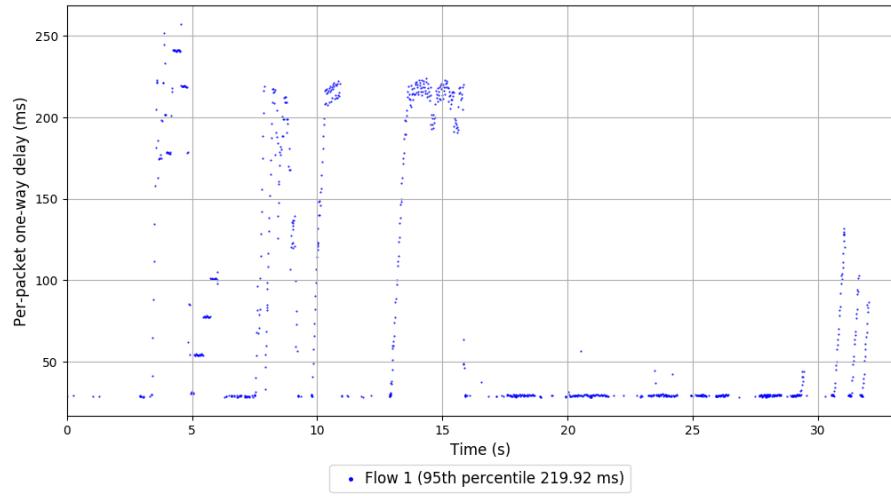
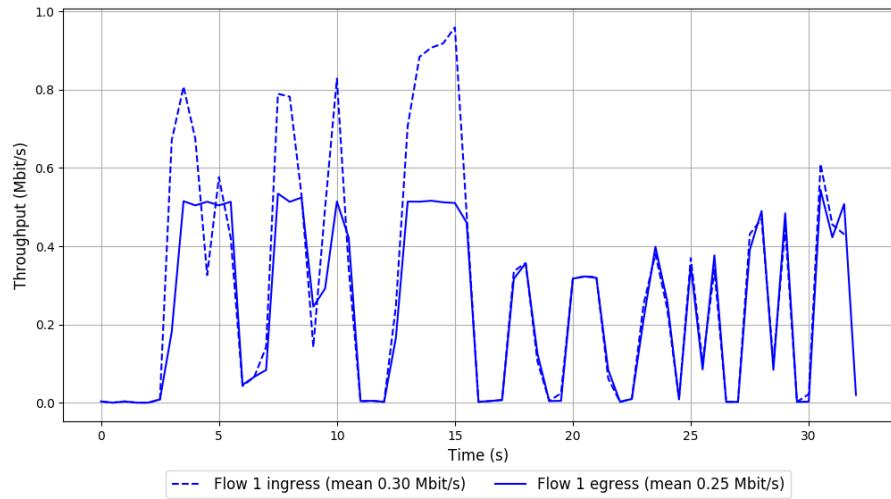


Run 9: Statistics of WebRTC media

```
Start at: 2017-08-21 23:07:43
End at: 2017-08-21 23:08:13
Local clock offset: 0.662 ms
Remote clock offset: 6.751 ms

# Below is generated by plot.py at 2017-08-21 23:39:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 219.923 ms
Loss rate: 18.65%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 219.923 ms
Loss rate: 18.65%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2017-08-21 23:25:11
End at: 2017-08-21 23:25:41
Local clock offset: 0.914 ms
Remote clock offset: 7.194 ms

# Below is generated by plot.py at 2017-08-21 23:39:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 220.923 ms
Loss rate: 21.47%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 220.923 ms
Loss rate: 21.47%
```

Run 10: Report of WebRTC media — Data Link

