

Pantheon Summary (Generated at Fri, 16 Jun 2017 07:10:22 +0000 with
pantheon version f1f579919e2382b18c1fb18b676e821e7efc0b62)

Repeated the test of 15 congestion control schemes 10 times.

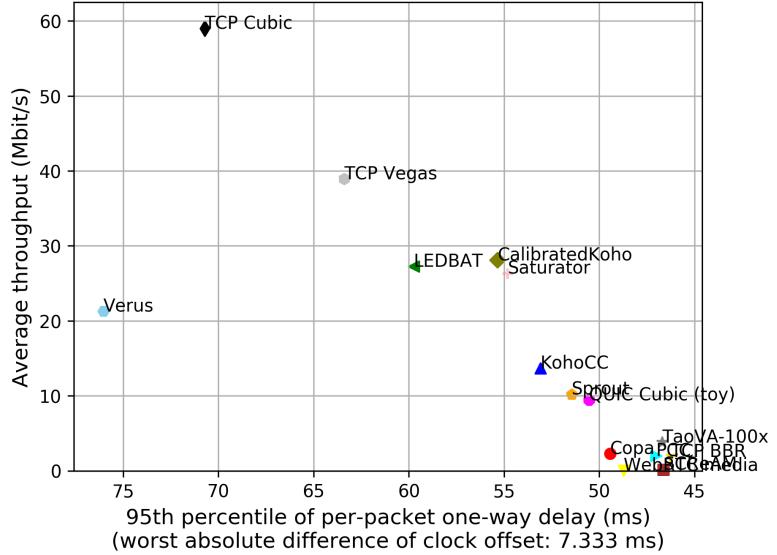
Each test lasted for 30 seconds running 1 flow.

Data path **from** AWS India 1 Ethernet **to** India Ethernet.

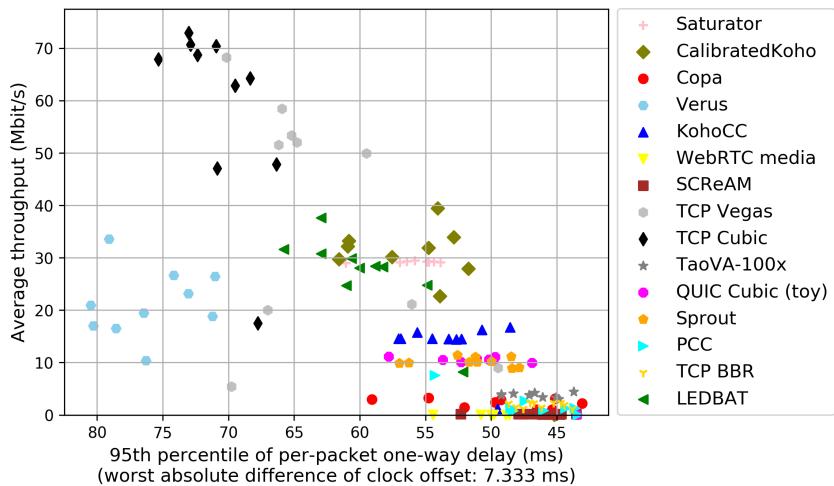
NTP offset measured against nets.org.sg.

```
git branch: master @ f1f579919e2382b18c1fb18b676e821e7efc0b62
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 @ 4893799ab83a43fa2d3236507d168f461e1243ed
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 @ 6f2efef6e088d91066a9f023df375eee2665089ce
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
```

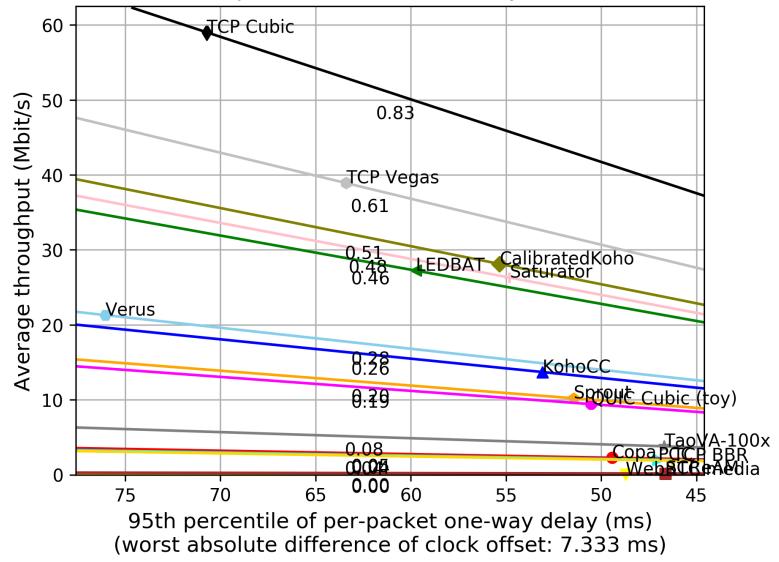
test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme



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



test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
mean power scores of all runs by scheme

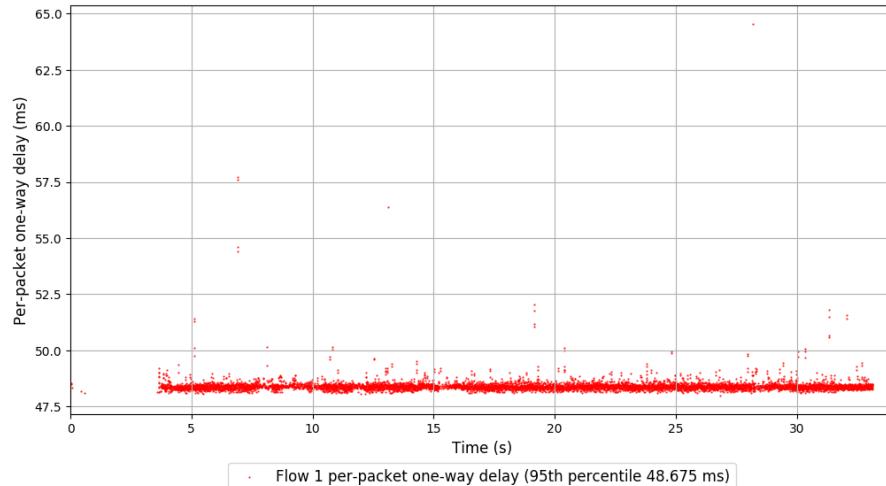
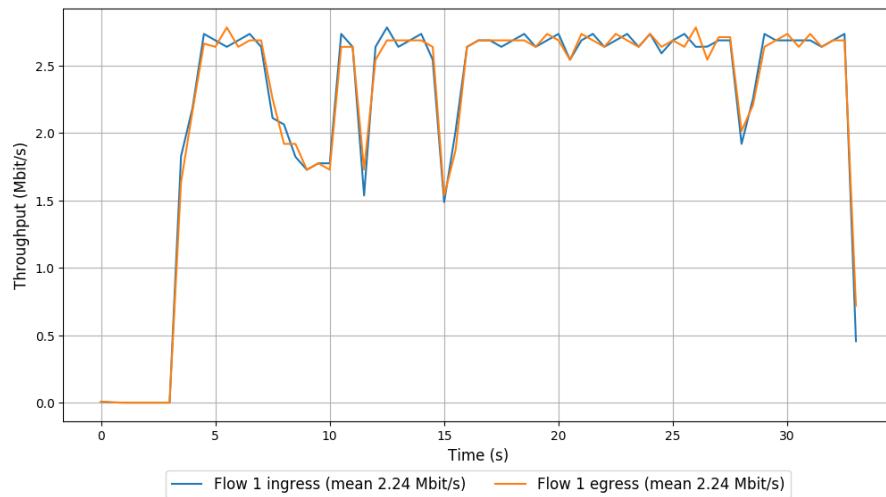


Run 1: Statistics of TCP BBR

```
Start at: Thu, 15 Jun 2017 23:23:24 +0000
End at: Thu, 15 Jun 2017 23:23:54 +0000
Local clock offset: 3.128 ms
Remote clock offset: -0.219 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 48.675 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 48.675 ms
Loss rate: 0.02%
```

Run 1: Report of TCP BBR — Data Link

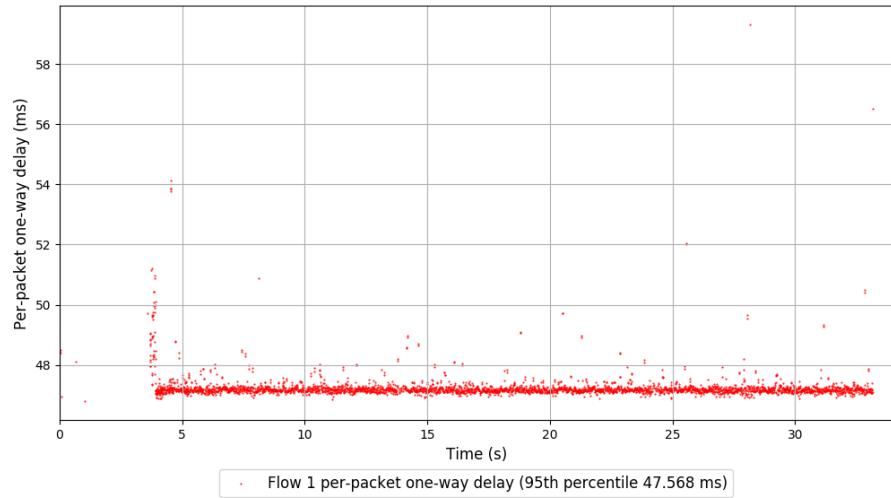
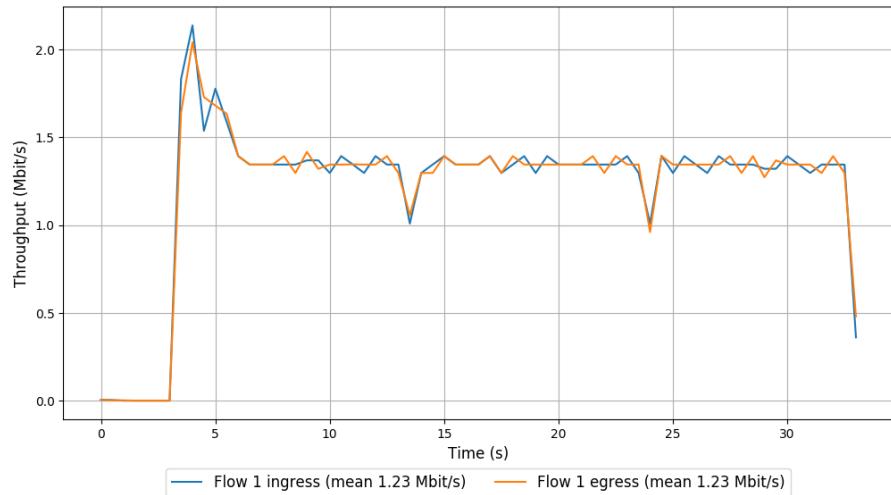


Run 2: Statistics of TCP BBR

```
Start at: Thu, 15 Jun 2017 23:42:08 +0000
End at: Thu, 15 Jun 2017 23:42:38 +0000
Local clock offset: 3.169 ms
Remote clock offset: 0.122 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 47.568 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 47.568 ms
Loss rate: 0.03%
```

Run 2: Report of TCP BBR — Data Link

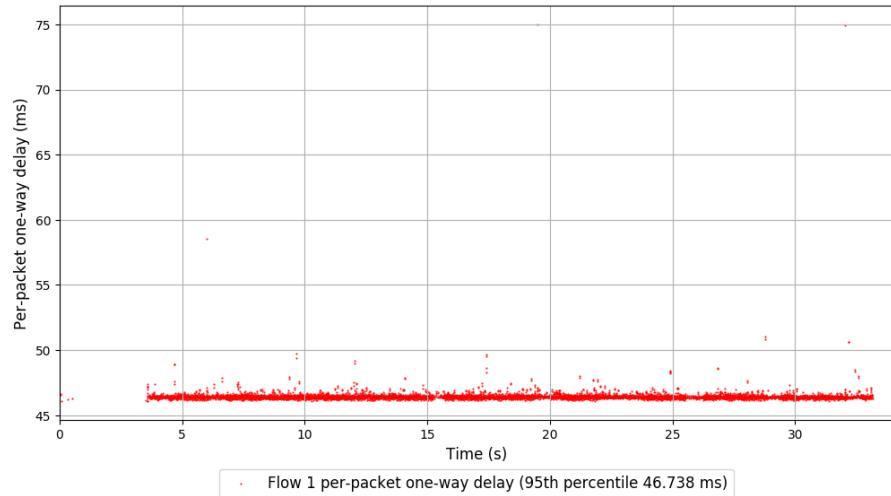
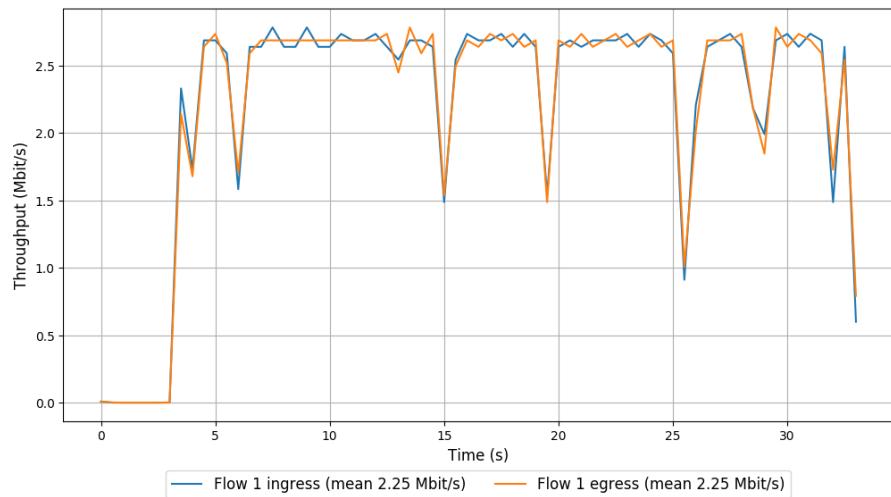


Run 3: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 00:00:51 +0000
End at: Fri, 16 Jun 2017 00:01:21 +0000
Local clock offset: 2.677 ms
Remote clock offset: 0.214 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 46.738 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 46.738 ms
Loss rate: 0.03%
```

Run 3: Report of TCP BBR — Data Link

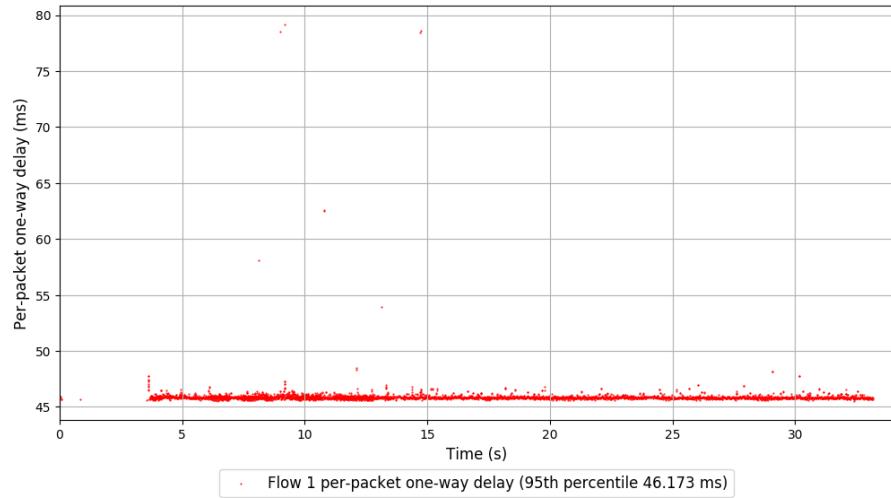
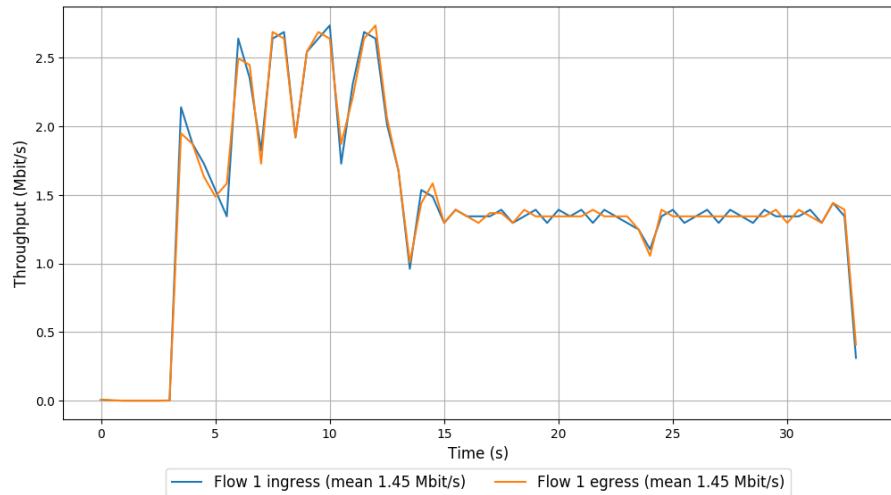


Run 4: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 00:19:43 +0000
End at: Fri, 16 Jun 2017 00:20:13 +0000
Local clock offset: 2.72 ms
Remote clock offset: 1.748 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 46.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 46.173 ms
Loss rate: 0.00%
```

Run 4: Report of TCP BBR — Data Link

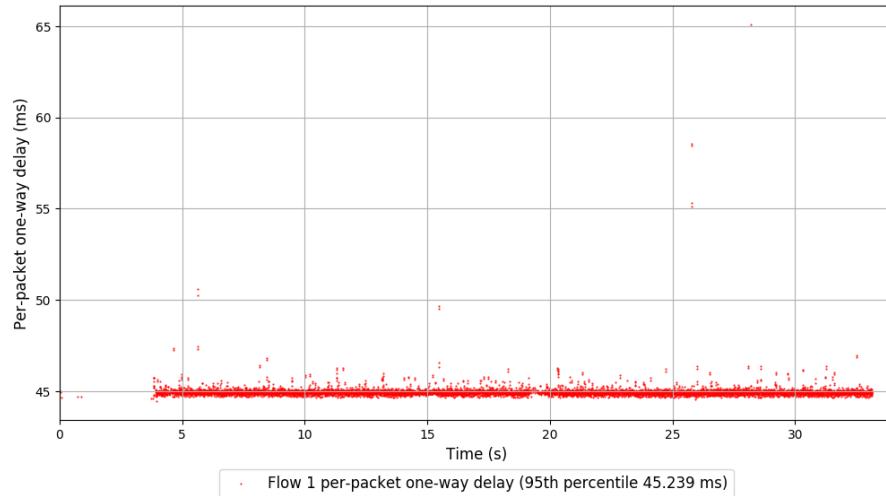
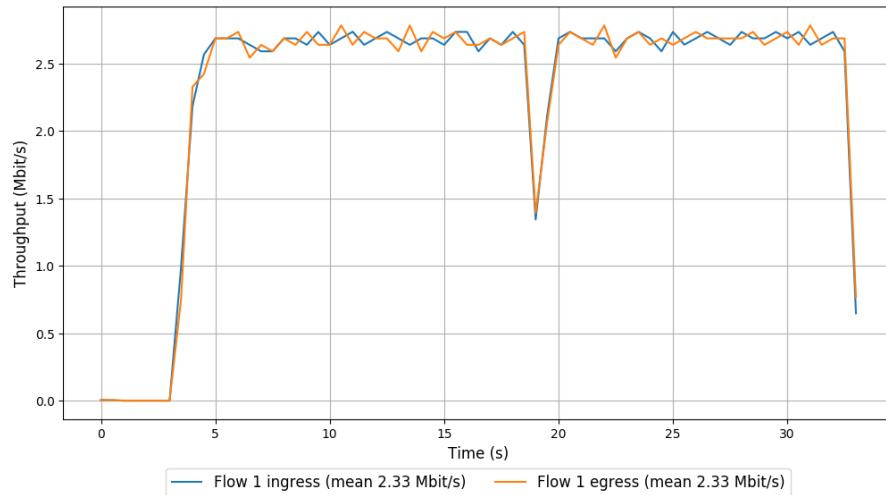


Run 5: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 00:38:47 +0000
End at: Fri, 16 Jun 2017 00:39:17 +0000
Local clock offset: -3.778 ms
Remote clock offset: 2.385 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 45.239 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 45.239 ms
Loss rate: 0.05%
```

Run 5: Report of TCP BBR — Data Link

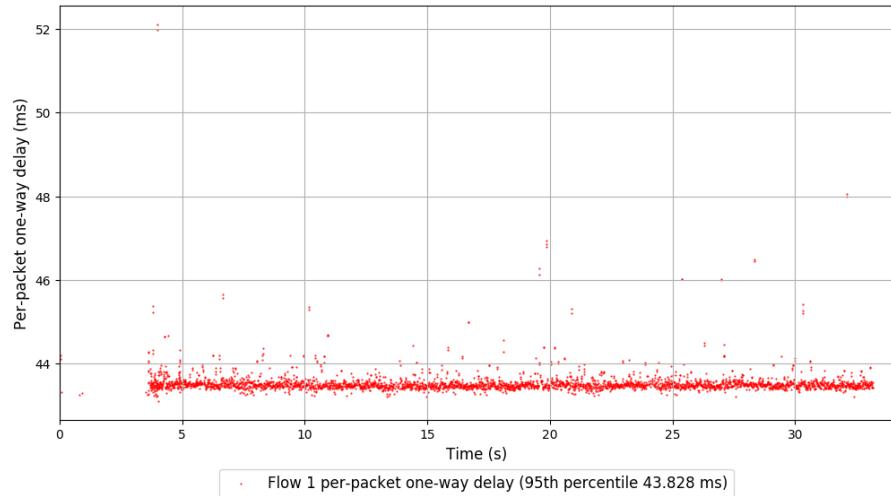
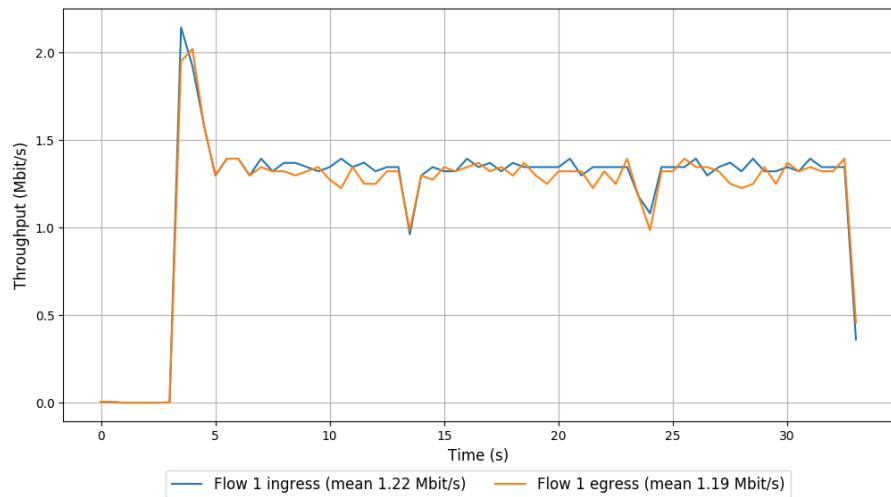


Run 6: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 00:57:09 +0000
End at: Fri, 16 Jun 2017 00:57:39 +0000
Local clock offset: 2.279 ms
Remote clock offset: 1.557 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 43.828 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 43.828 ms
Loss rate: 2.14%
```

Run 6: Report of TCP BBR — Data Link

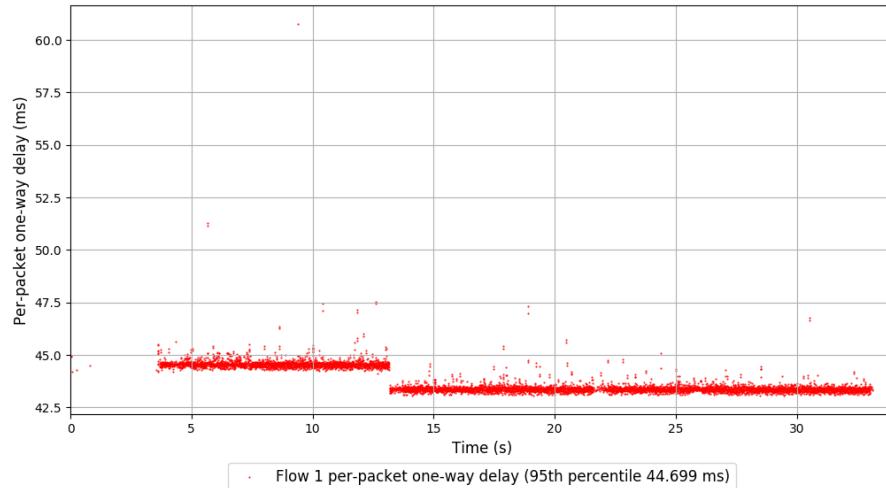
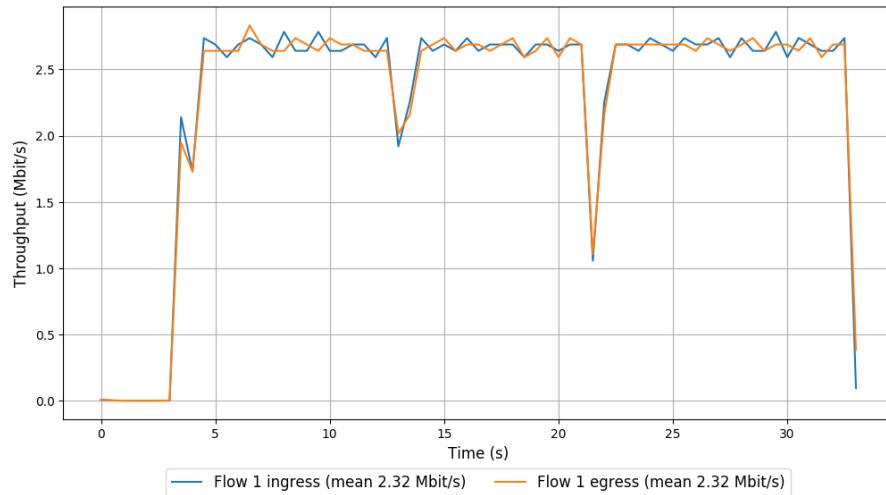


Run 7: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 01:15:22 +0000
End at: Fri, 16 Jun 2017 01:15:52 +0000
Local clock offset: 2.362 ms
Remote clock offset: 2.9 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 44.699 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 44.699 ms
Loss rate: 0.06%
```

Run 7: Report of TCP BBR — Data Link

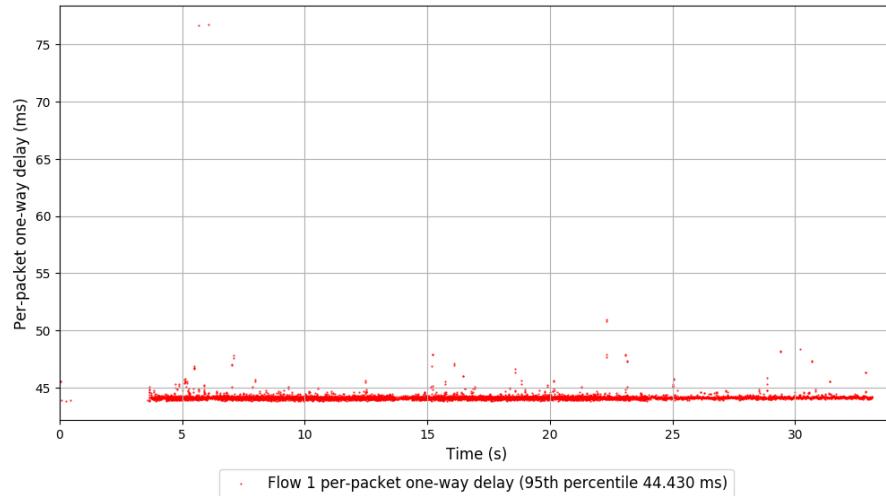
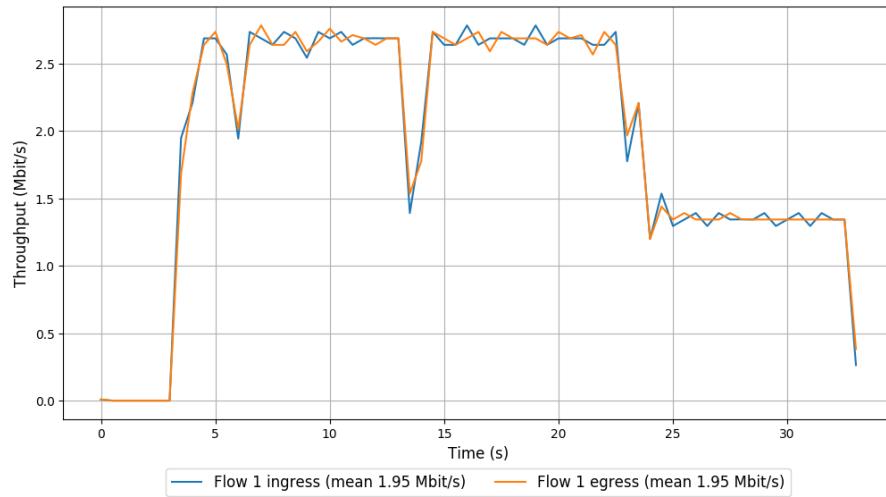


Run 8: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 01:34:05 +0000
End at: Fri, 16 Jun 2017 01:34:35 +0000
Local clock offset: 3.135 ms
Remote clock offset: 1.035 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 44.430 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 44.430 ms
Loss rate: 0.02%
```

Run 8: Report of TCP BBR — Data Link

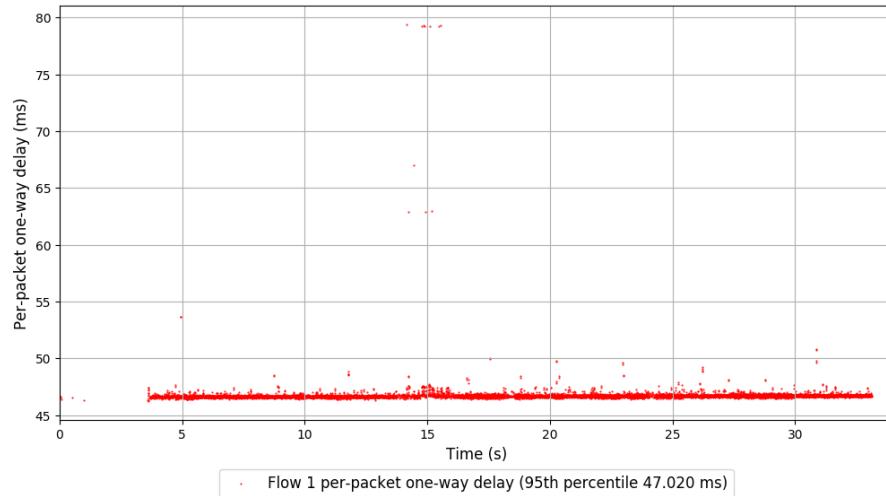
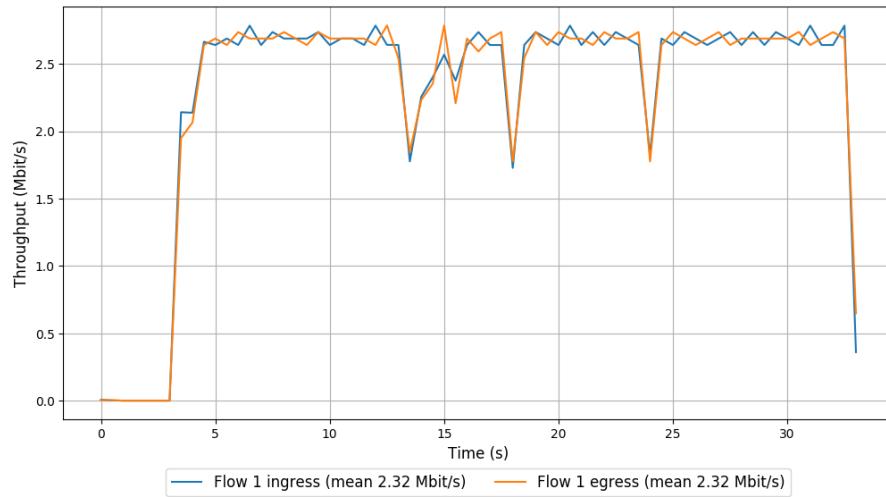


Run 9: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 01:53:02 +0000
End at: Fri, 16 Jun 2017 01:53:32 +0000
Local clock offset: -0.837 ms
Remote clock offset: 0.651 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 47.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 47.020 ms
Loss rate: 0.00%
```

Run 9: Report of TCP BBR — Data Link

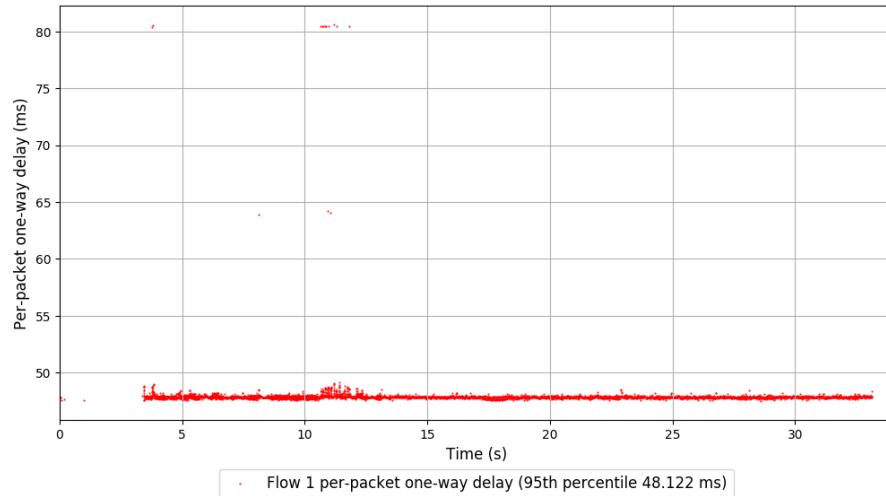
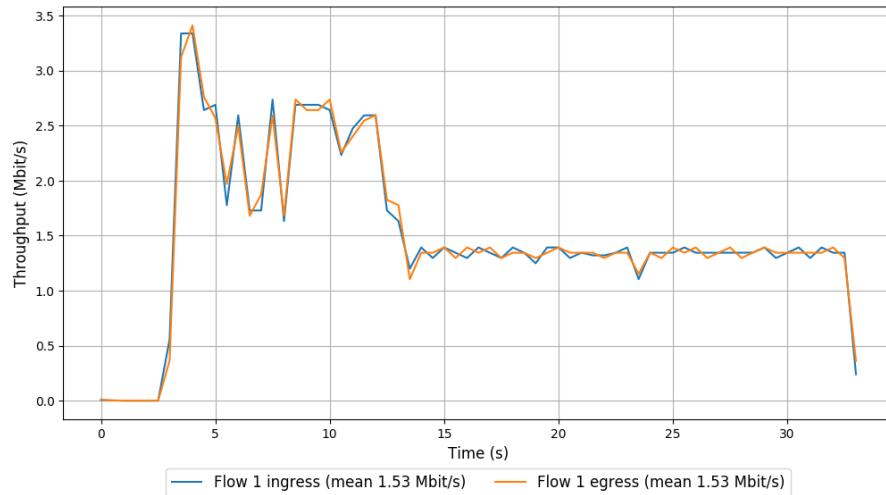


Run 10: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 02:12:07 +0000
End at: Fri, 16 Jun 2017 02:12:37 +0000
Local clock offset: 1.412 ms
Remote clock offset: -0.448 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:48:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 48.122 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 48.122 ms
Loss rate: 0.02%
```

Run 10: Report of TCP BBR — Data Link



```
Run 1: Statistics of CalibratedKoho
```

```
Start at: Thu, 15 Jun 2017 23:13:09 +0000
```

```
End at: Thu, 15 Jun 2017 23:13:39 +0000
```

```
Local clock offset: -4.414 ms
```

```
Remote clock offset: -0.353 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 06:49:10 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 32.17 Mbit/s
```

```
95th percentile per-packet one-way delay: 60.920 ms
```

```
Loss rate: 0.00%
```

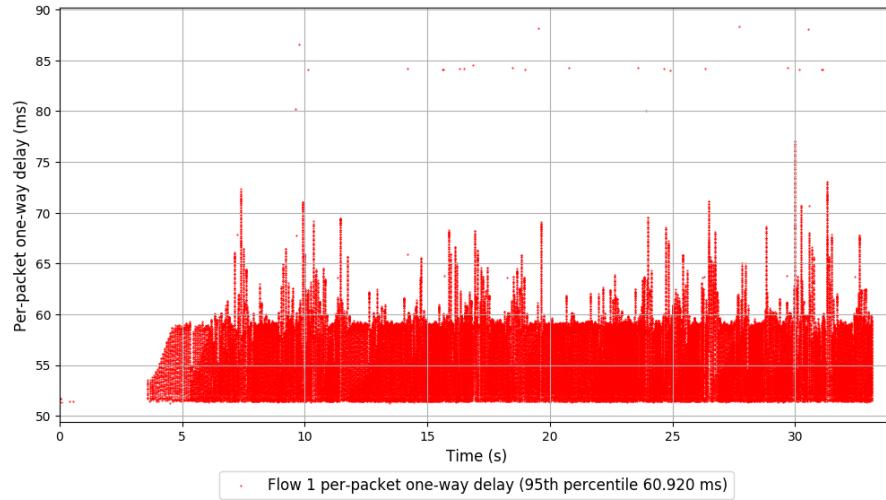
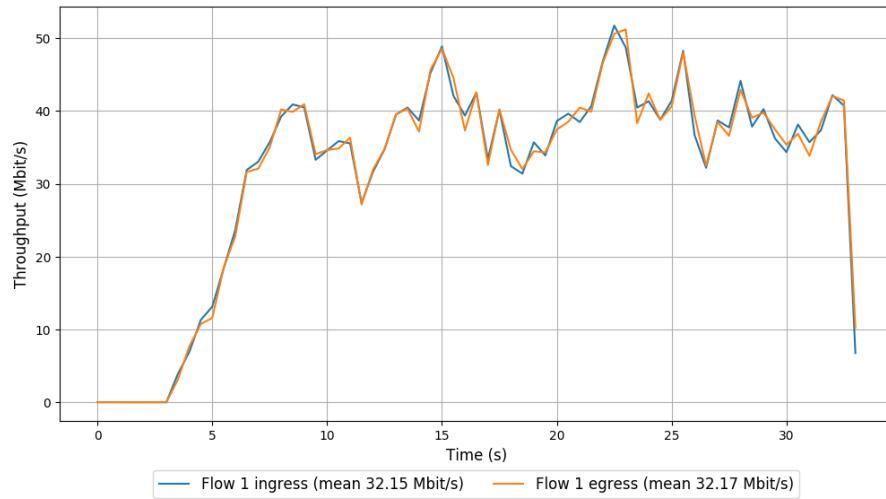
```
-- Flow 1:
```

```
Average throughput: 32.17 Mbit/s
```

```
95th percentile per-packet one-way delay: 60.920 ms
```

```
Loss rate: 0.00%
```

Run 1: Report of CalibratedKoho — Data Link

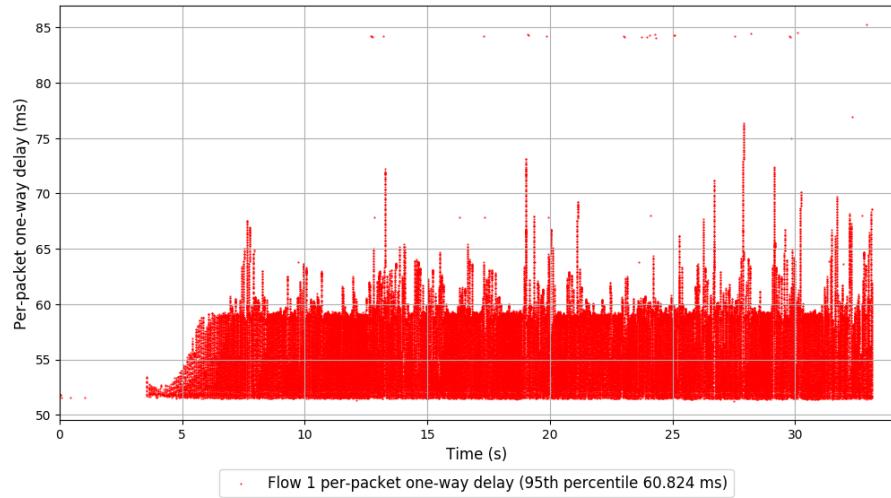
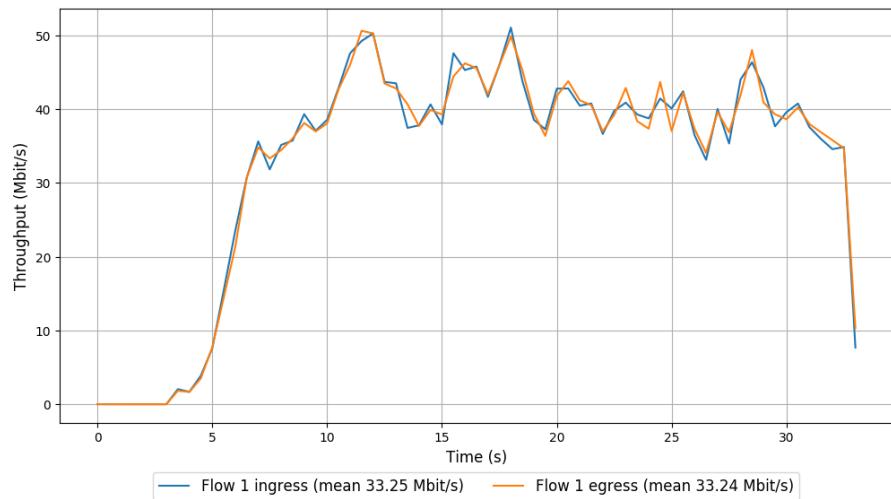


```
Run 2: Statistics of CalibratedKoho
```

```
Start at: Thu, 15 Jun 2017 23:31:51 +0000
End at: Thu, 15 Jun 2017 23:32:21 +0000
Local clock offset: 1.75 ms
Remote clock offset: -0.866 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:49:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 60.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 60.824 ms
Loss rate: 0.00%
```

Run 2: Report of CalibratedKoho — Data Link



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

```
Start at: Thu, 15 Jun 2017 23:50:38 +0000
```

```
End at: Thu, 15 Jun 2017 23:51:08 +0000
```

```
Local clock offset: 2.566 ms
```

```
Remote clock offset: 0.021 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 06:49:29 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 22.71 Mbit/s
```

```
95th percentile per-packet one-way delay: 53.916 ms
```

```
Loss rate: 0.00%
```

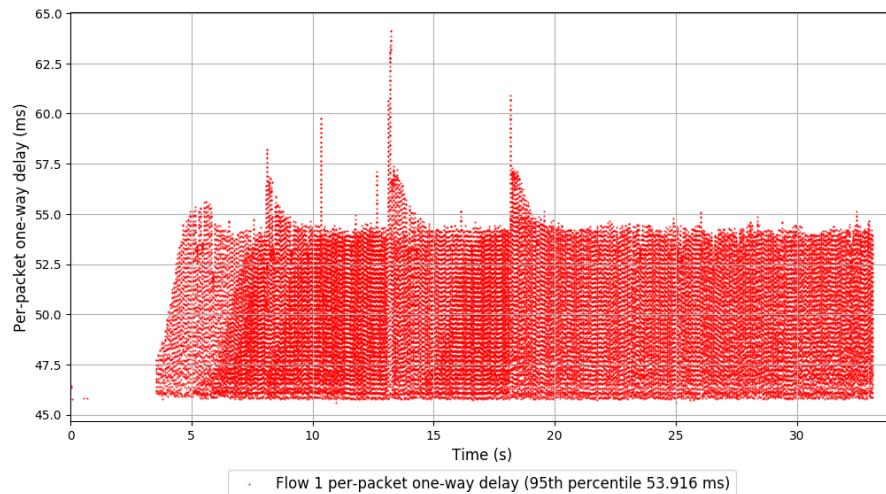
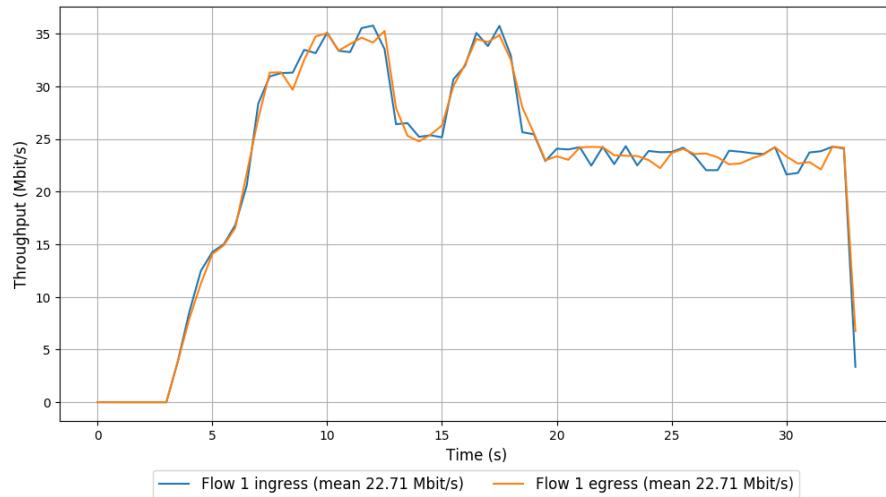
```
-- Flow 1:
```

```
Average throughput: 22.71 Mbit/s
```

```
95th percentile per-packet one-way delay: 53.916 ms
```

```
Loss rate: 0.00%
```

Run 3: Report of CalibratedKoho — Data Link



```
Run 4: Statistics of CalibratedKoho
```

```
Start at: Fri, 16 Jun 2017 00:09:11 +0000
```

```
End at: Fri, 16 Jun 2017 00:09:41 +0000
```

```
Local clock offset: 2.31 ms
```

```
Remote clock offset: 0.957 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 06:49:44 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 39.47 Mbit/s
```

```
95th percentile per-packet one-way delay: 54.083 ms
```

```
Loss rate: 0.00%
```

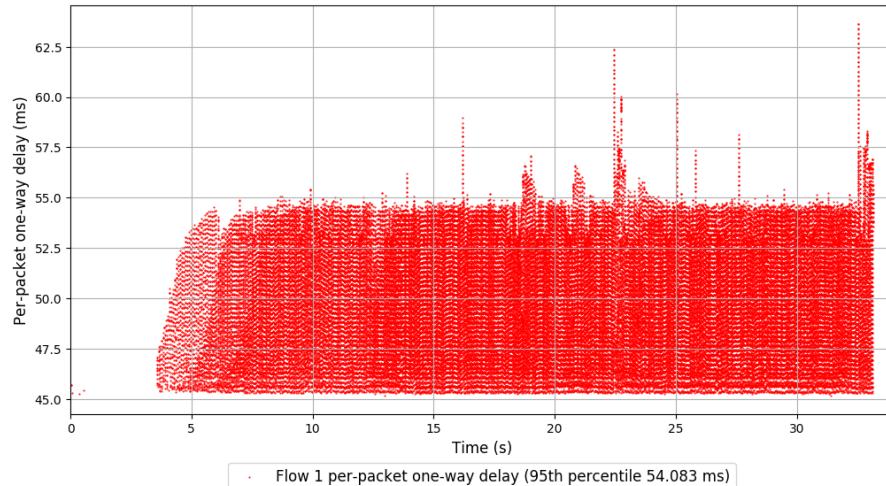
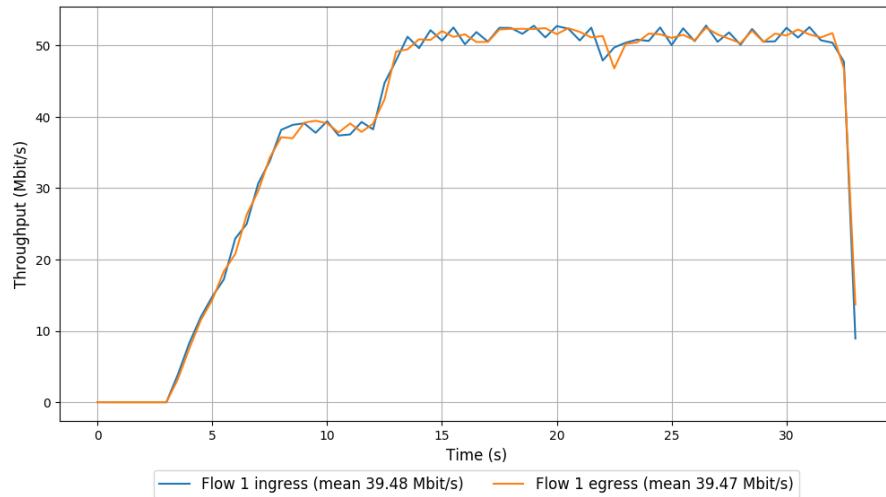
```
-- Flow 1:
```

```
Average throughput: 39.47 Mbit/s
```

```
95th percentile per-packet one-way delay: 54.083 ms
```

```
Loss rate: 0.00%
```

Run 4: Report of CalibratedKoho — Data Link

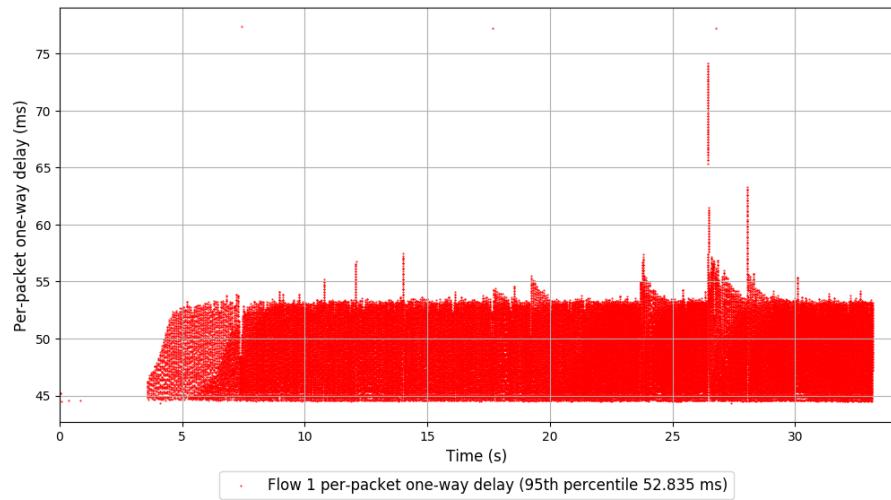
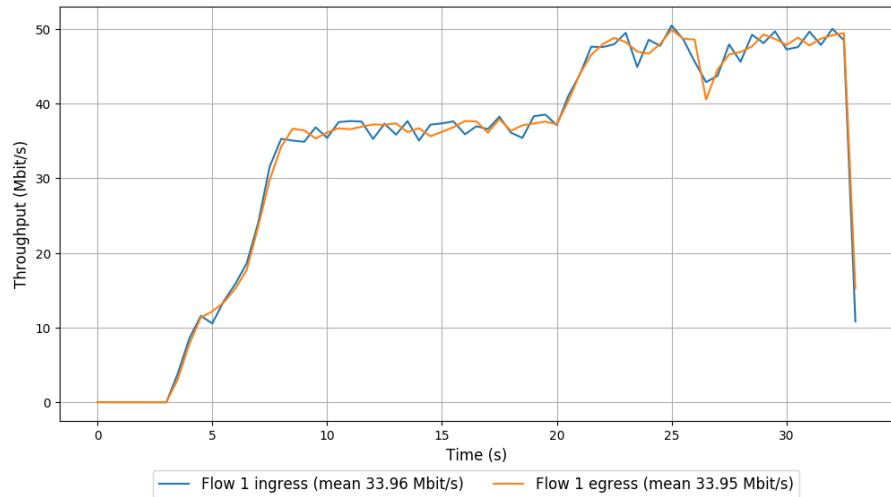


Run 5: Statistics of CalibratedKoho

```
Start at: Fri, 16 Jun 2017 00:28:14 +0000
End at: Fri, 16 Jun 2017 00:28:44 +0000
Local clock offset: -1.664 ms
Remote clock offset: 1.965 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:50:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 52.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 52.835 ms
Loss rate: 0.00%
```

Run 5: Report of CalibratedKoho — Data Link

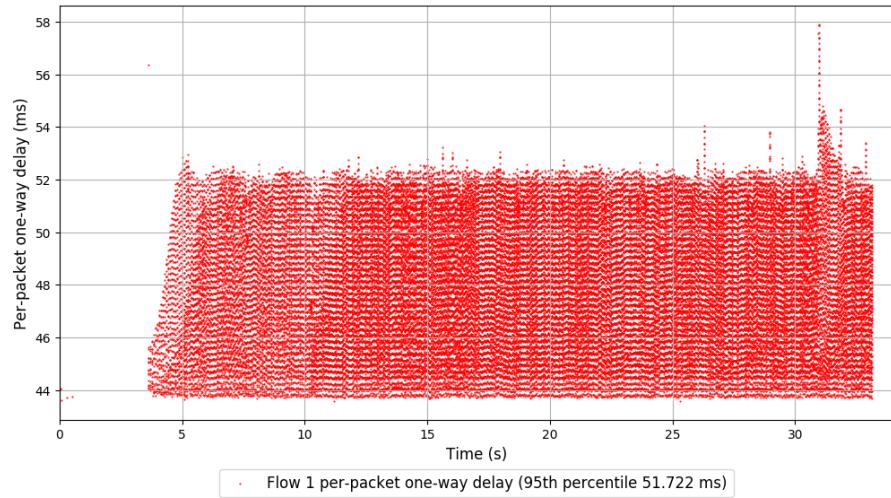
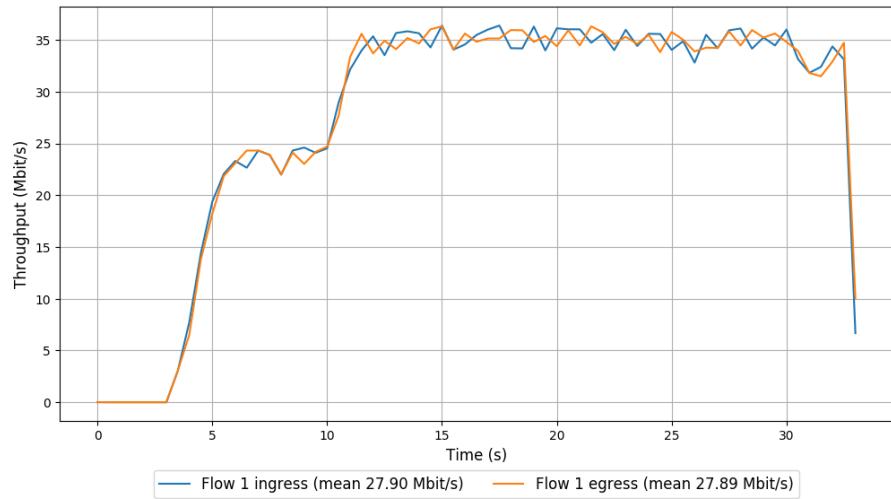


Run 6: Statistics of CalibratedKoho

```
Start at: Fri, 16 Jun 2017 00:47:13 +0000
End at: Fri, 16 Jun 2017 00:47:43 +0000
Local clock offset: -0.472 ms
Remote clock offset: 2.454 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:50:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 51.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.89 Mbit/s
95th percentile per-packet one-way delay: 51.722 ms
Loss rate: 0.00%
```

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 01:05:30 +0000

End at: Fri, 16 Jun 2017 01:06:00 +0000

Local clock offset: 2.265 ms

Remote clock offset: 2.937 ms

Below is generated by plot.py at Fri, 16 Jun 2017 06:50:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 45.204 ms

Loss rate: 97.59%

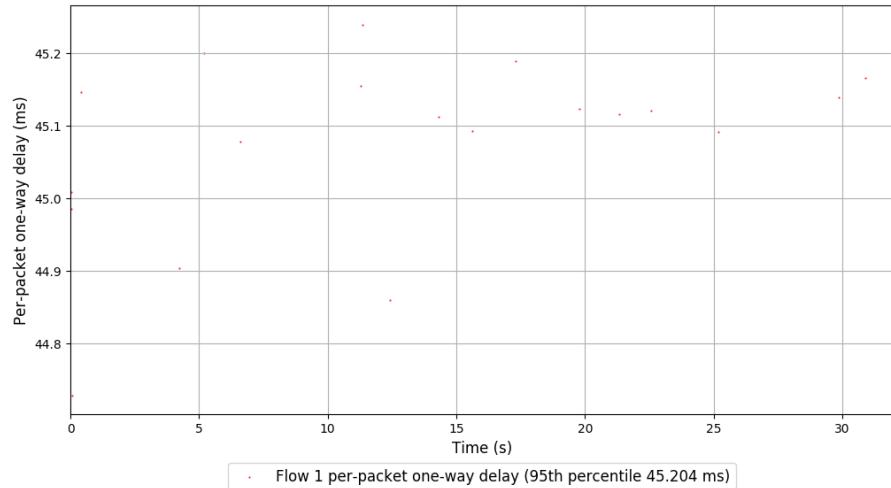
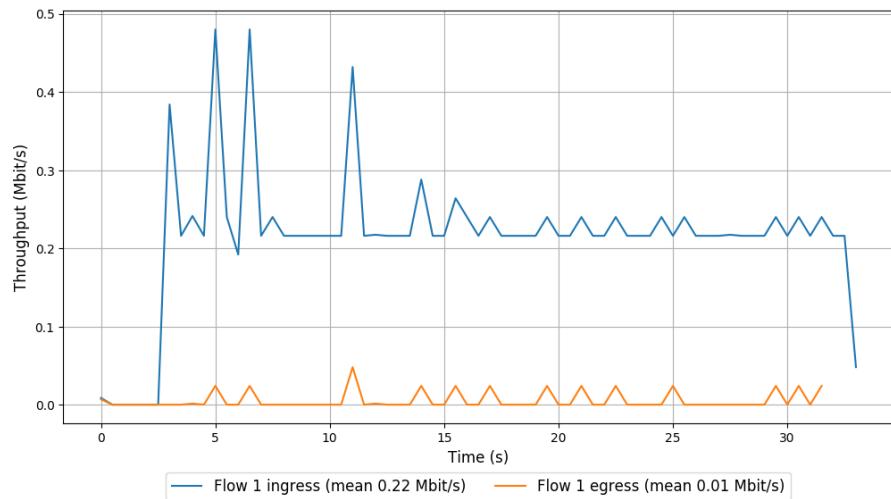
-- Flow 1:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 45.204 ms

Loss rate: 97.59%

Run 7: Report of CalibratedKoho — Data Link

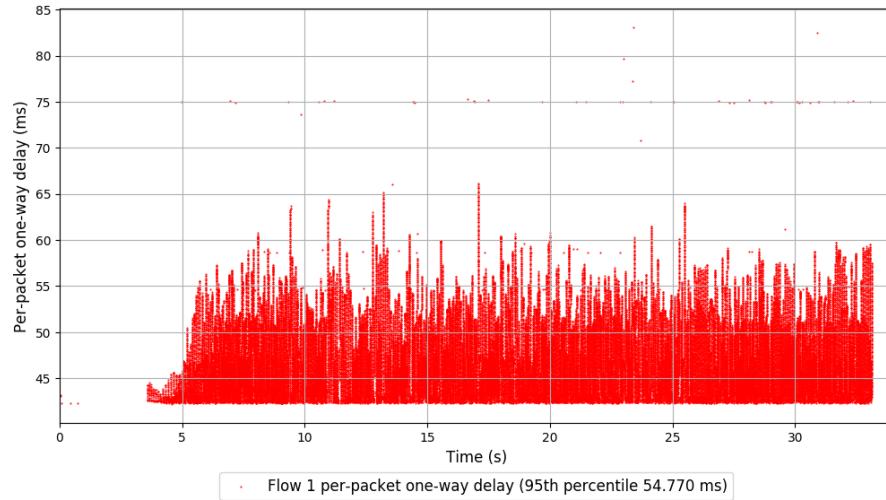
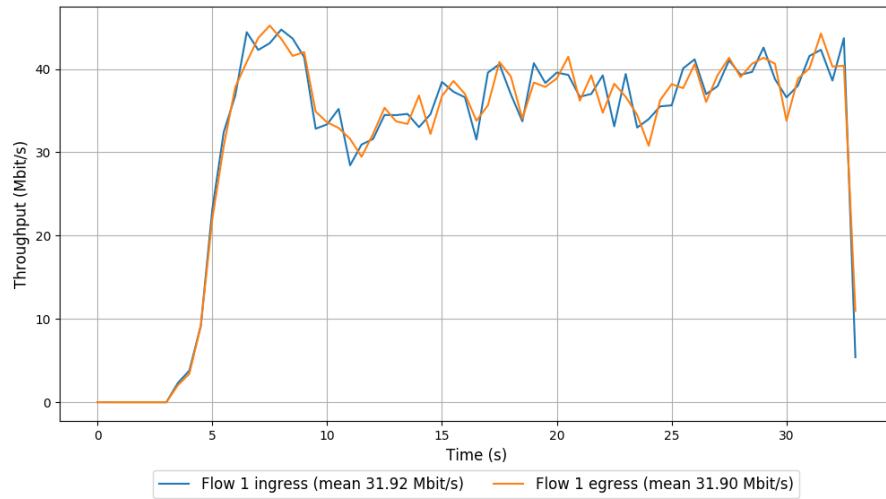


Run 8: Statistics of CalibratedKoho

```
Start at: Fri, 16 Jun 2017 01:23:41 +0000
End at: Fri, 16 Jun 2017 01:24:11 +0000
Local clock offset: 0.822 ms
Remote clock offset: 1.789 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:50:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 54.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 54.770 ms
Loss rate: 0.00%
```

Run 8: Report of CalibratedKoho — Data Link

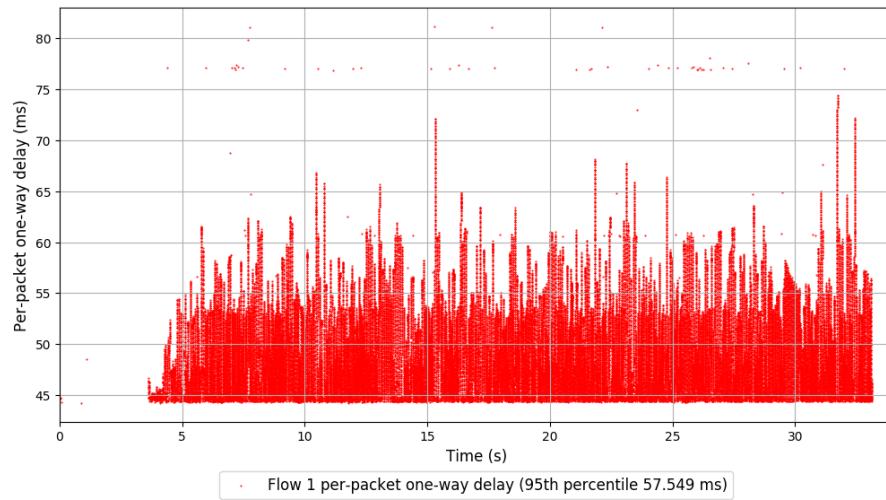
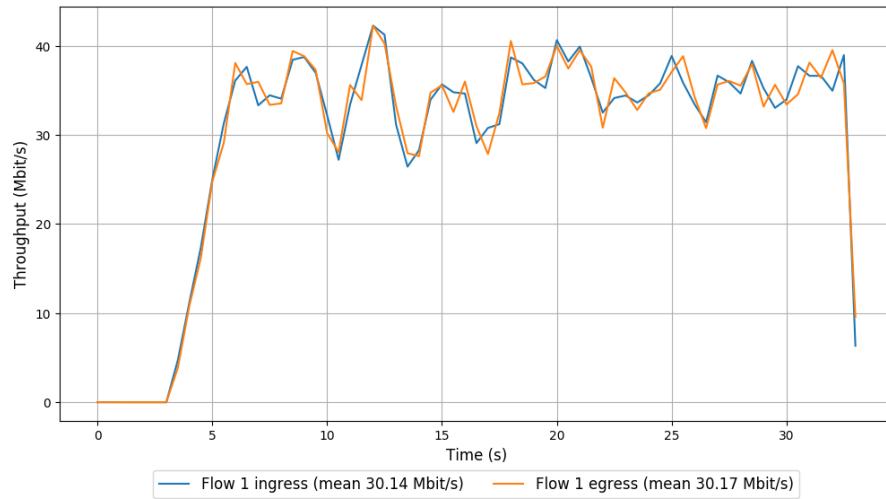


Run 9: Statistics of CalibratedKoho

```
Start at: Fri, 16 Jun 2017 01:42:28 +0000
End at: Fri, 16 Jun 2017 01:42:58 +0000
Local clock offset: 1.357 ms
Remote clock offset: 1.379 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:50:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 57.549 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 57.549 ms
Loss rate: 0.01%
```

Run 9: Report of CalibratedKoho — Data Link



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

```
Start at: Fri, 16 Jun 2017 02:01:33 +0000
```

```
End at: Fri, 16 Jun 2017 02:02:03 +0000
```

```
Local clock offset: 5.389 ms
```

```
Remote clock offset: 0.213 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:01 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 29.74 Mbit/s
```

```
95th percentile per-packet one-way delay: 61.582 ms
```

```
Loss rate: 0.00%
```

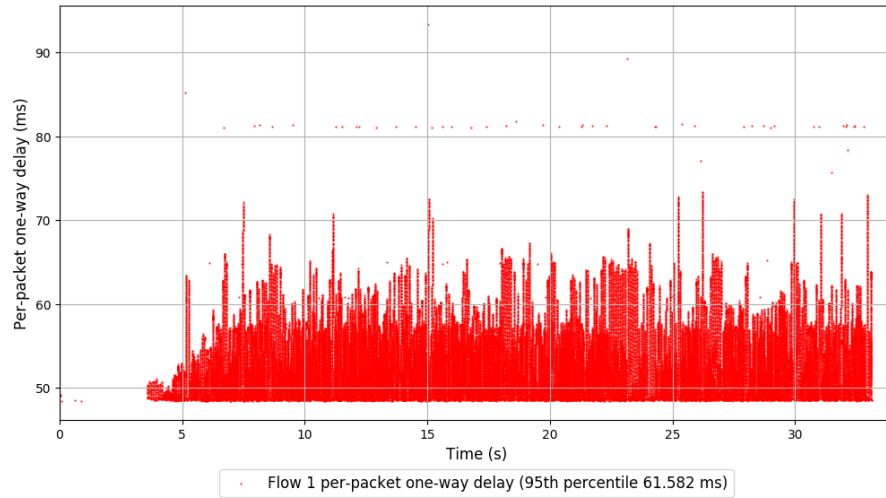
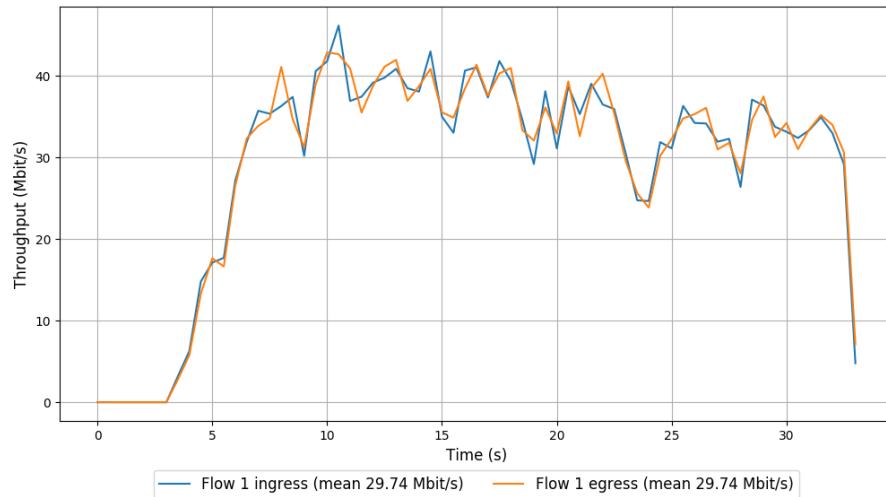
```
-- Flow 1:
```

```
Average throughput: 29.74 Mbit/s
```

```
95th percentile per-packet one-way delay: 61.582 ms
```

```
Loss rate: 0.00%
```

Run 10: Report of CalibratedKoho — Data Link

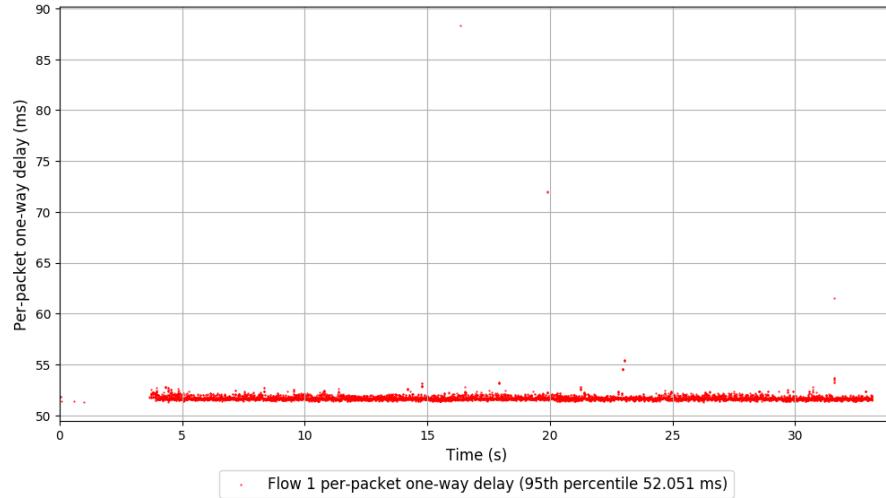
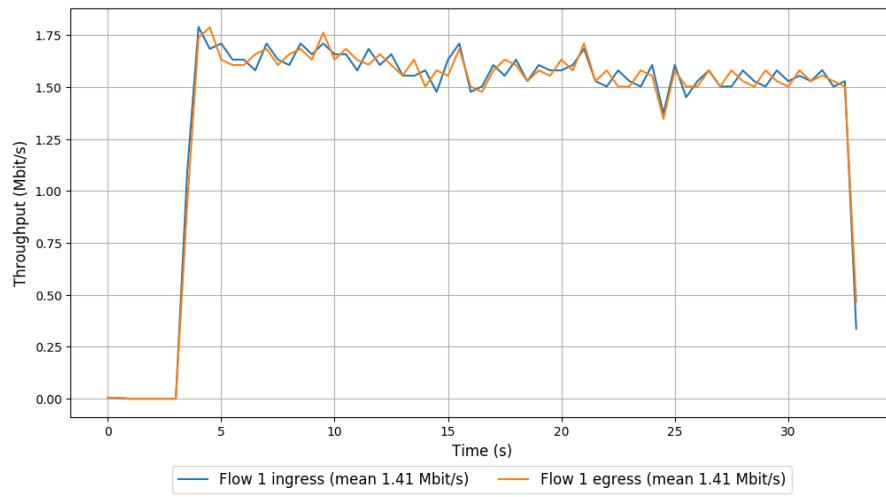


Run 1: Statistics of Copa

```
Start at: Thu, 15 Jun 2017 23:12:00 +0000
End at: Thu, 15 Jun 2017 23:12:30 +0000
Local clock offset: -1.334 ms
Remote clock offset: 0.399 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 52.051 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 52.051 ms
Loss rate: 0.06%
```

Run 1: Report of Copa — Data Link

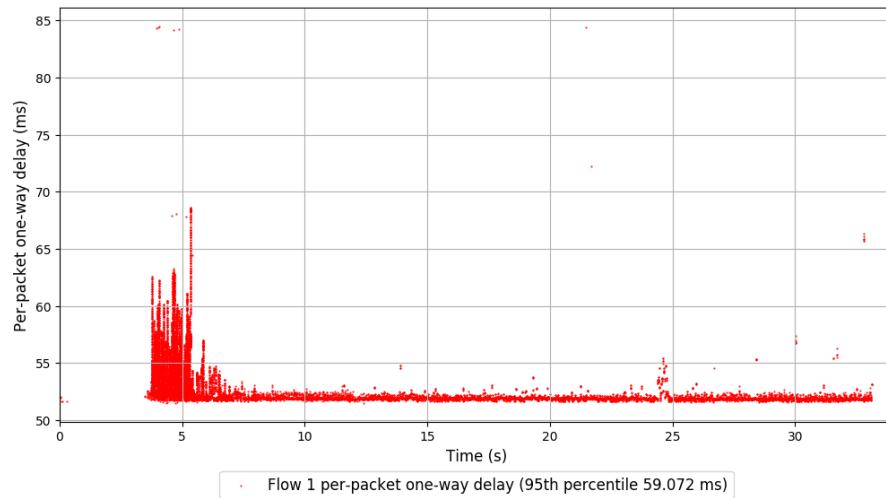
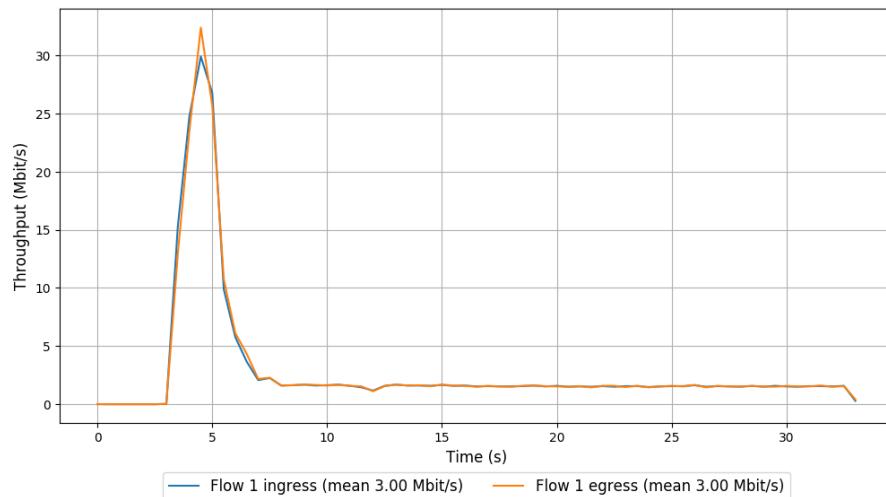


Run 2: Statistics of Copa

```
Start at: Thu, 15 Jun 2017 23:30:41 +0000
End at: Thu, 15 Jun 2017 23:31:11 +0000
Local clock offset: 0.726 ms
Remote clock offset: 0.194 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 59.072 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 59.072 ms
Loss rate: 0.03%
```

Run 2: Report of Copa — Data Link

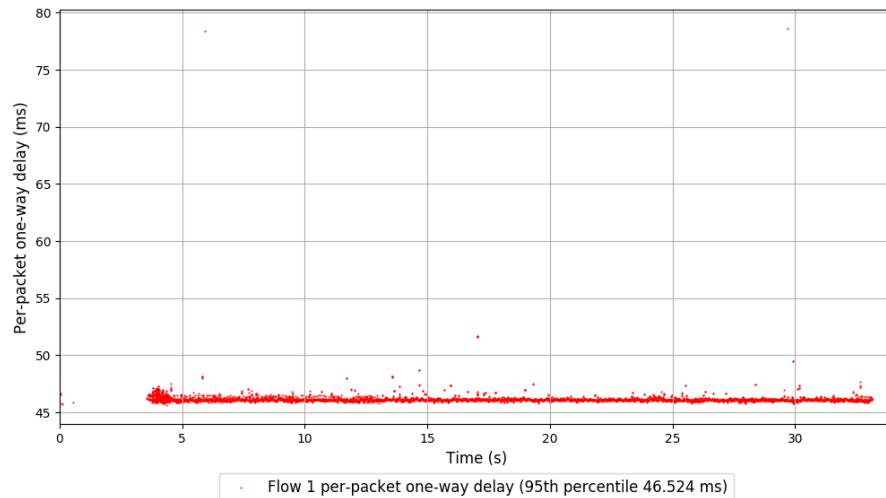
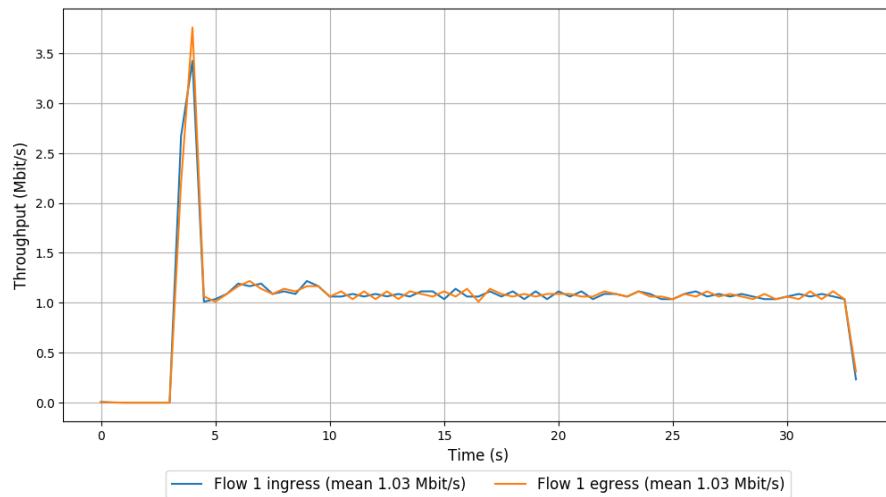


Run 3: Statistics of Copa

```
Start at: Thu, 15 Jun 2017 23:49:30 +0000
End at: Thu, 15 Jun 2017 23:50:00 +0000
Local clock offset: 5.37 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 46.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 46.524 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

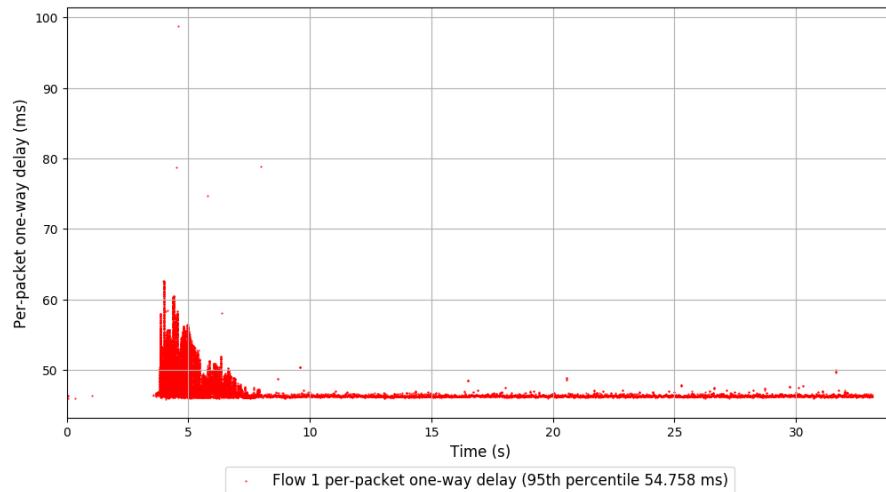
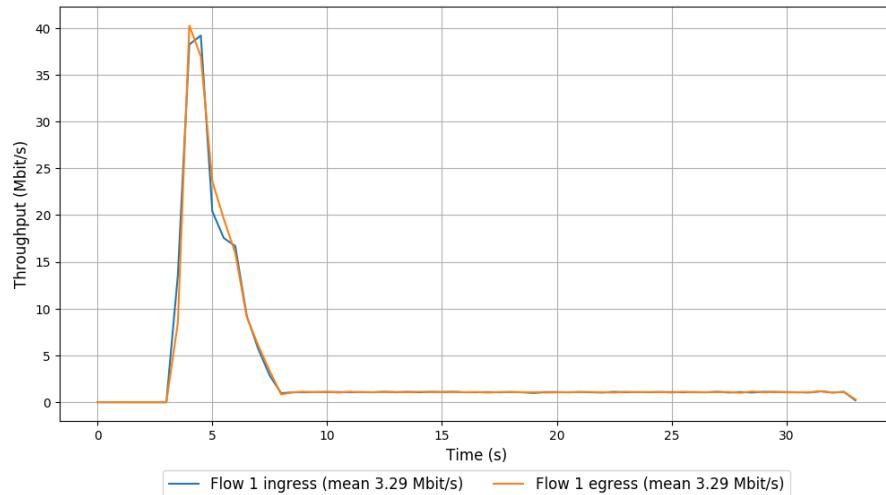


Run 4: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 00:08:02 +0000
End at: Fri, 16 Jun 2017 00:08:32 +0000
Local clock offset: 2.26 ms
Remote clock offset: 1.194 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 54.758 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 54.758 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

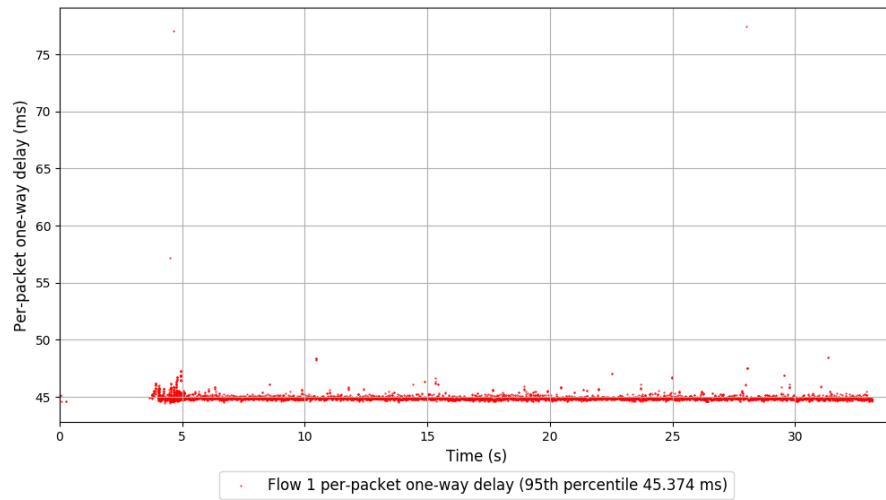
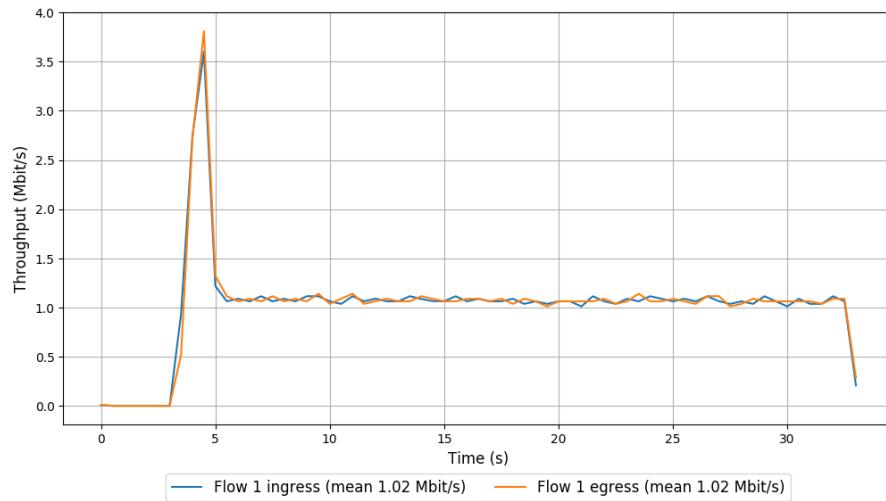


Run 5: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 00:27:06 +0000
End at: Fri, 16 Jun 2017 00:27:37 +0000
Local clock offset: 1.598 ms
Remote clock offset: 2.255 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 45.374 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 45.374 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

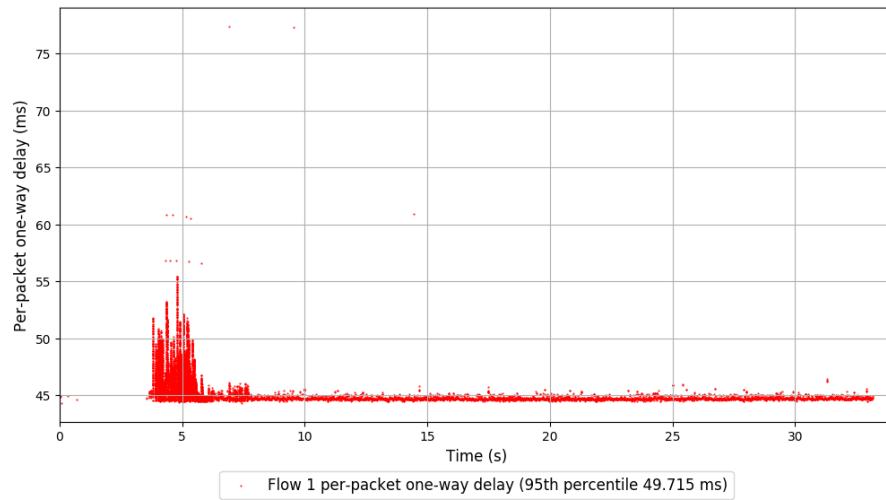
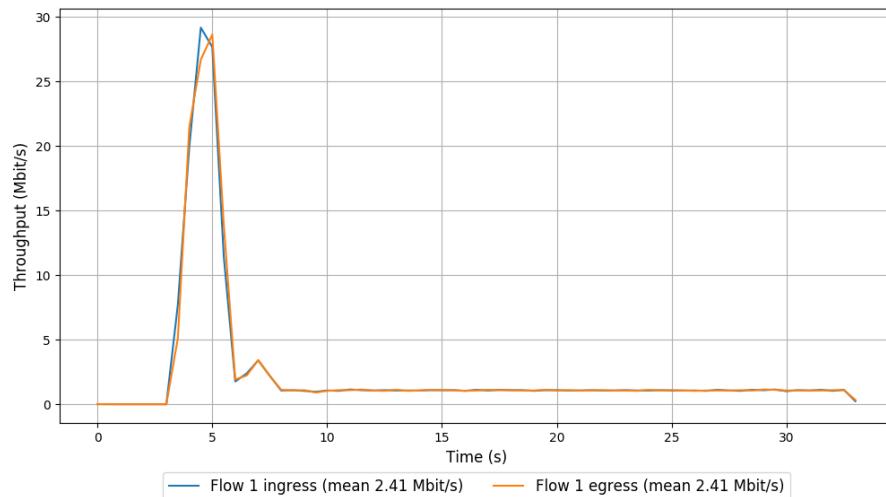


Run 6: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 00:46:04 +0000
End at: Fri, 16 Jun 2017 00:46:34 +0000
Local clock offset: 2.871 ms
Remote clock offset: 2.18 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 49.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 49.715 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

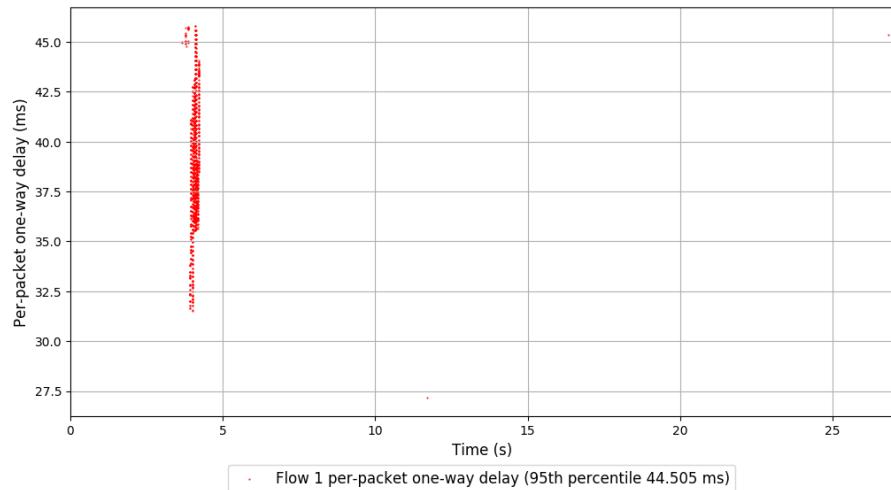
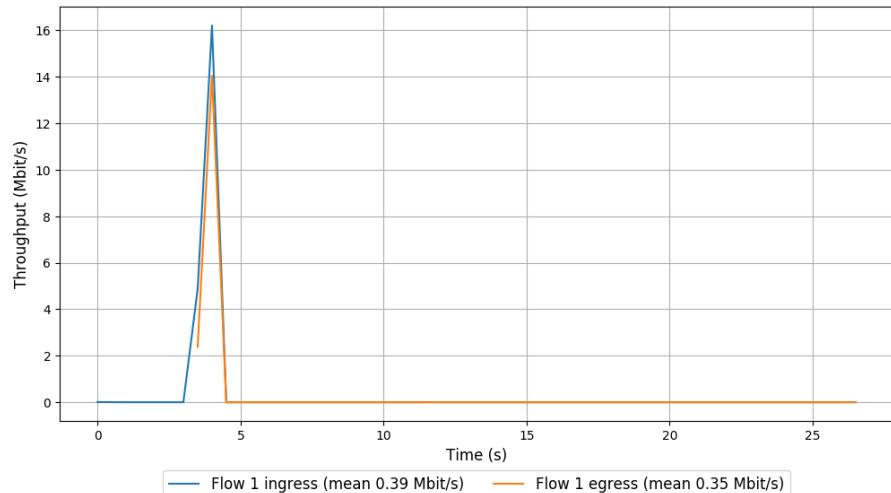
Start at: Fri, 16 Jun 2017 01:04:18 +0000

End at: Fri, 16 Jun 2017 01:04:48 +0000

Local clock offset: 0.956 ms

Remote clock offset: 2.343 ms

Run 7: Report of Copa — Data Link

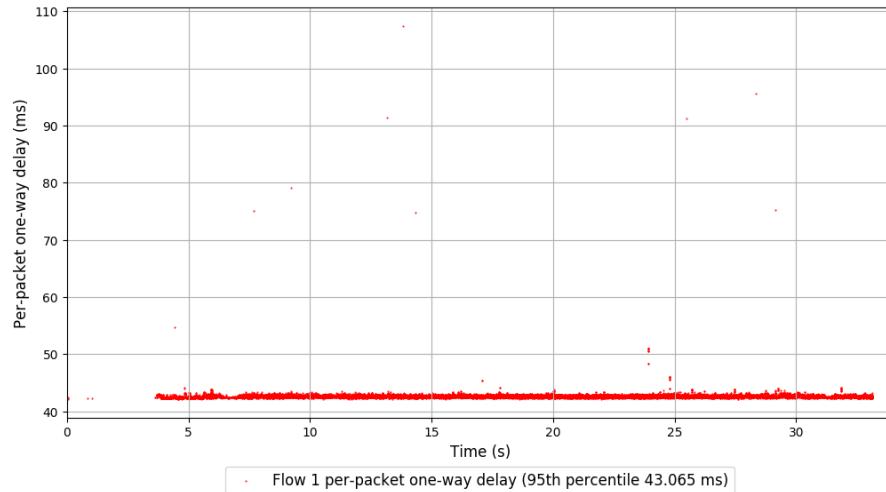
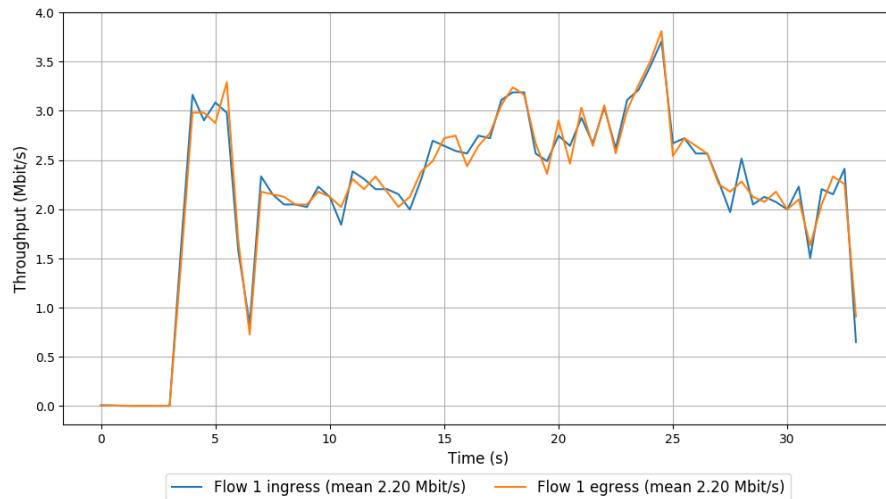


Run 8: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 01:22:33 +0000
End at: Fri, 16 Jun 2017 01:23:03 +0000
Local clock offset: 1.296 ms
Remote clock offset: 3.318 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 43.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 43.065 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

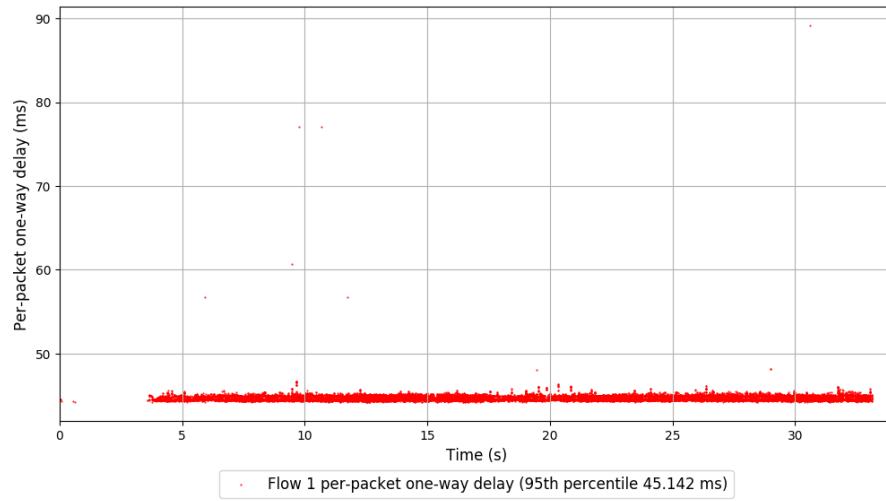
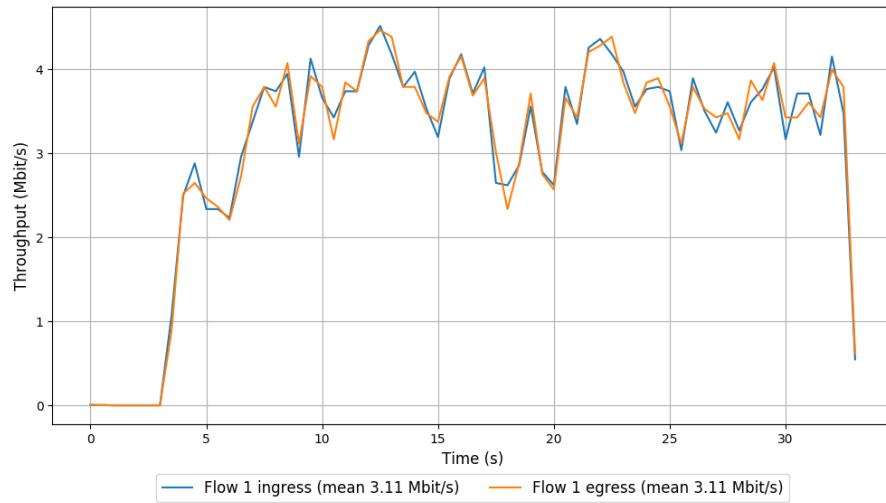


Run 9: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 01:41:19 +0000
End at: Fri, 16 Jun 2017 01:41:49 +0000
Local clock offset: 1.239 ms
Remote clock offset: 1.709 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 45.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 45.142 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

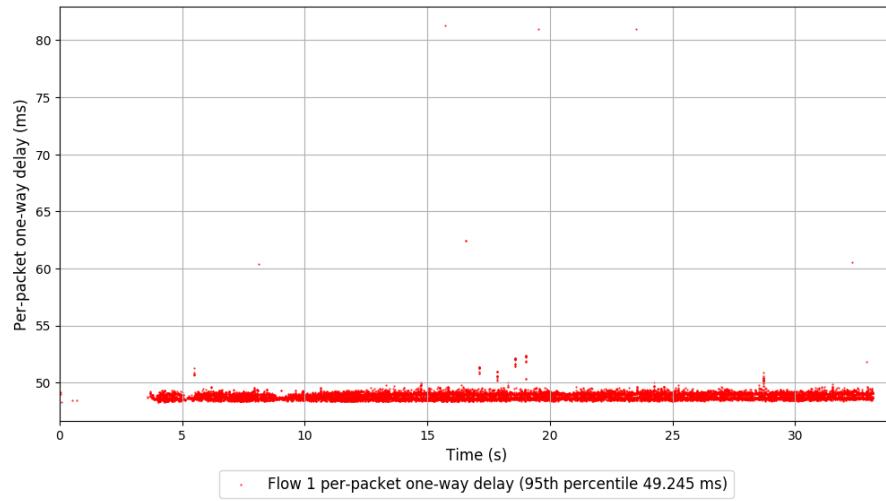
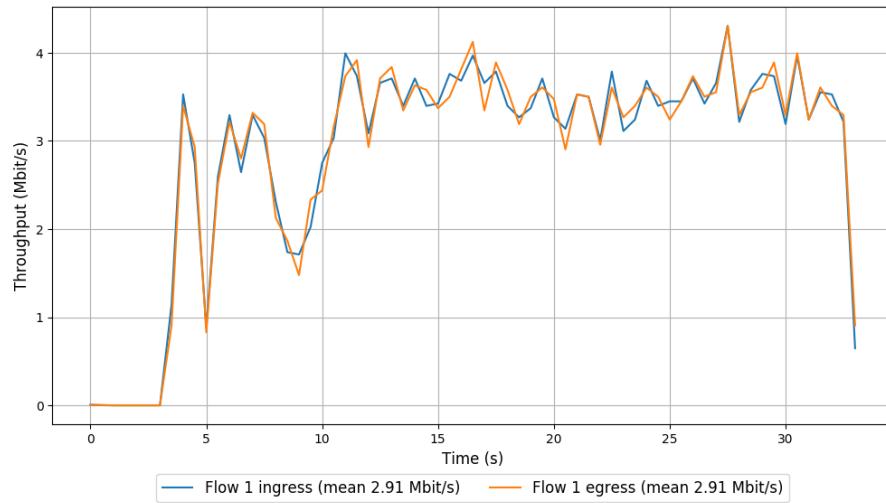


Run 10: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 02:00:24 +0000
End at: Fri, 16 Jun 2017 02:00:54 +0000
Local clock offset: 3.974 ms
Remote clock offset: 0.146 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:51:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 49.245 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 49.245 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link



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

```
Start at: Thu, 15 Jun 2017 23:24:32 +0000
```

```
End at: Thu, 15 Jun 2017 23:25:02 +0000
```

```
Local clock offset: 2.886 ms
```

```
Remote clock offset: 0.344 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 06:52:18 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 67.91 Mbit/s
```

```
95th percentile per-packet one-way delay: 75.325 ms
```

```
Loss rate: 0.35%
```

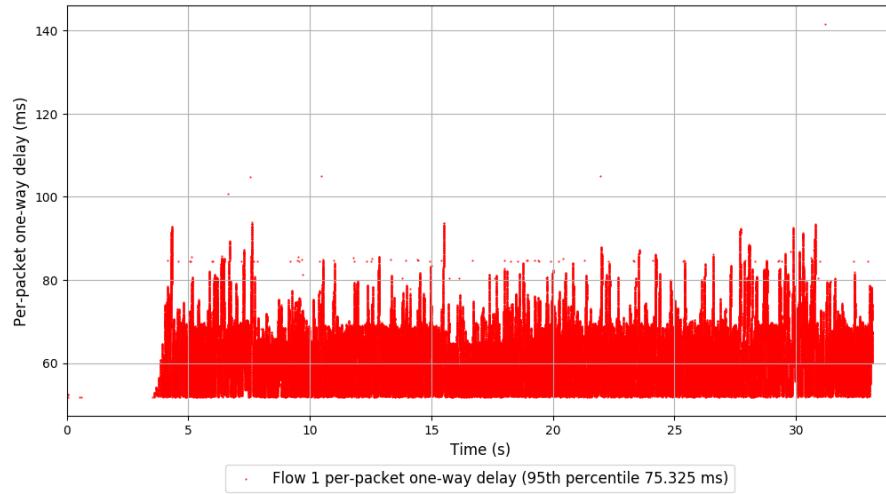
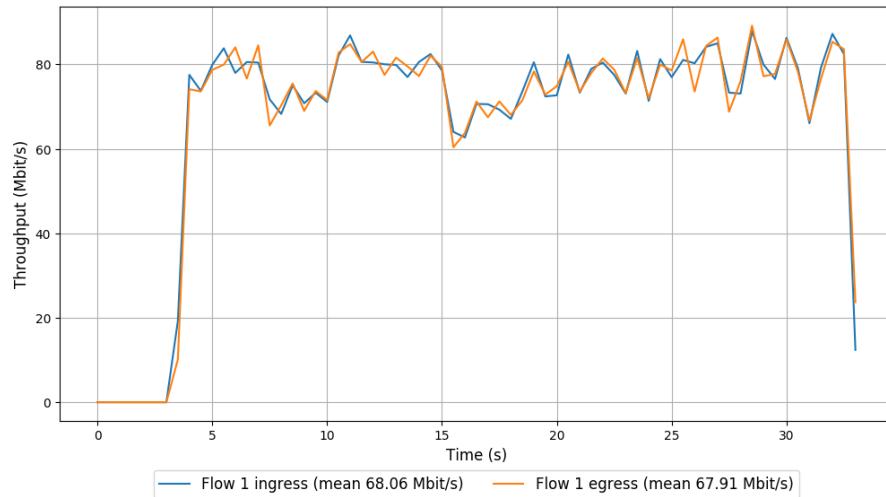
```
-- Flow 1:
```

```
Average throughput: 67.91 Mbit/s
```

```
95th percentile per-packet one-way delay: 75.325 ms
```

```
Loss rate: 0.35%
```

Run 1: Report of TCP Cubic — Data Link

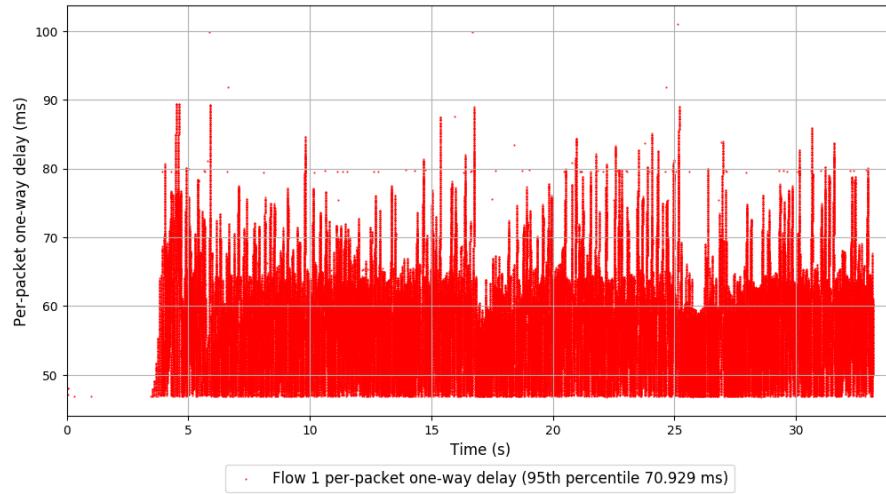
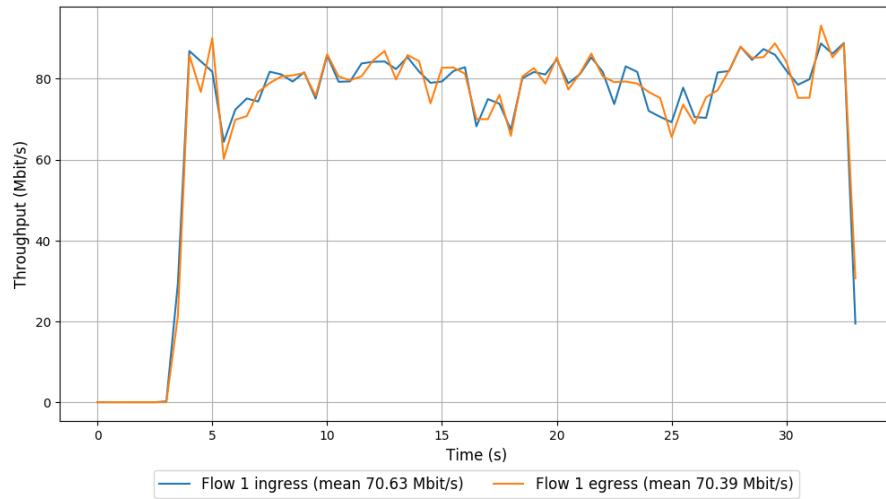


Run 2: Statistics of TCP Cubic

```
Start at: Thu, 15 Jun 2017 23:43:16 +0000
End at: Thu, 15 Jun 2017 23:43:46 +0000
Local clock offset: 2.923 ms
Remote clock offset: 0.521 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:52:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 70.929 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 70.929 ms
Loss rate: 0.29%
```

Run 2: Report of TCP Cubic — Data Link

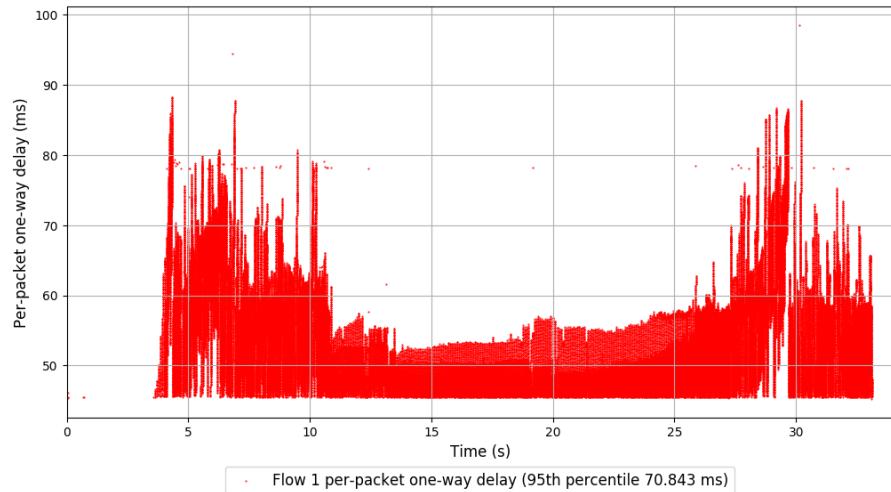
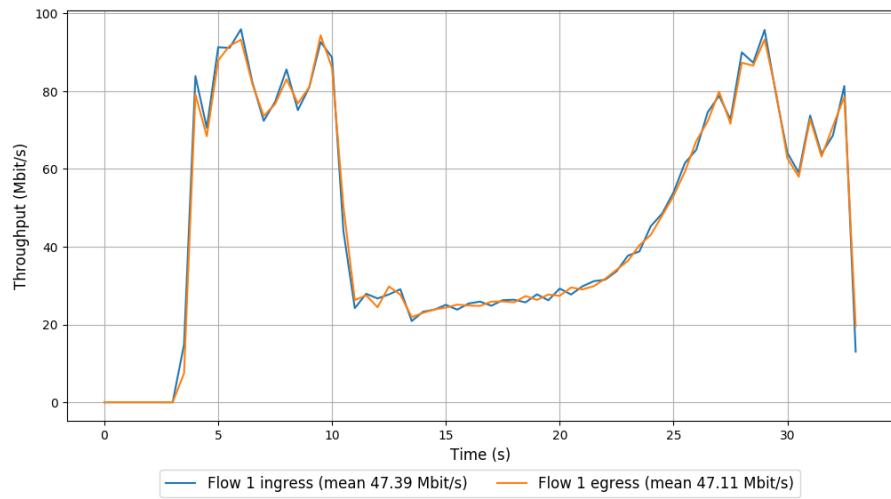


Run 3: Statistics of TCP Cubic

```
Start at: Fri, 16 Jun 2017 00:01:59 +0000
End at: Fri, 16 Jun 2017 00:02:29 +0000
Local clock offset: 7.059 ms
Remote clock offset: 0.627 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:52:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 70.843 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 47.11 Mbit/s
95th percentile per-packet one-way delay: 70.843 ms
Loss rate: 0.76%
```

Run 3: Report of TCP Cubic — Data Link

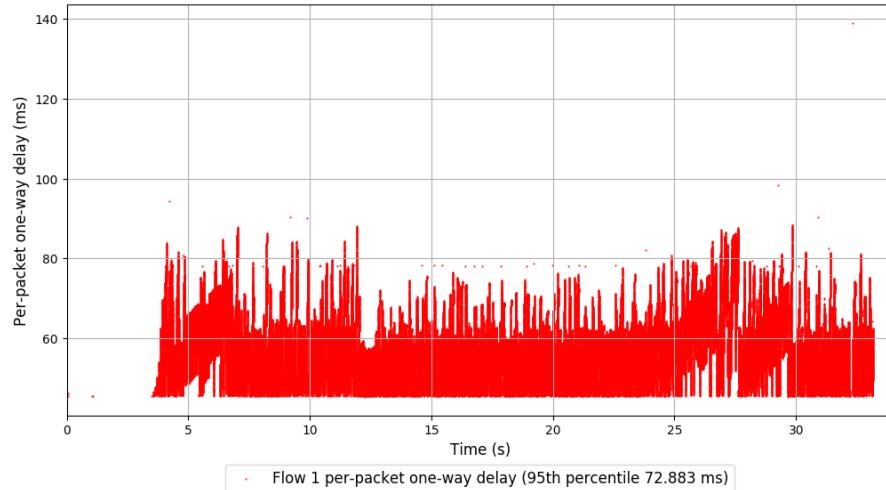
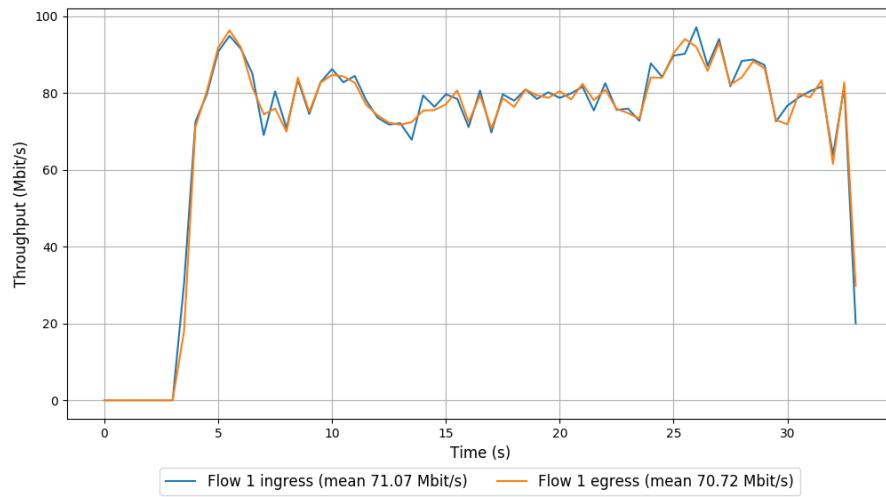


Run 4: Statistics of TCP Cubic

```
Start at: Fri, 16 Jun 2017 00:20:51 +0000
End at: Fri, 16 Jun 2017 00:21:21 +0000
Local clock offset: 2.183 ms
Remote clock offset: 1.427 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:53:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 72.883 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 72.883 ms
Loss rate: 0.48%
```

Run 4: Report of TCP Cubic — Data Link

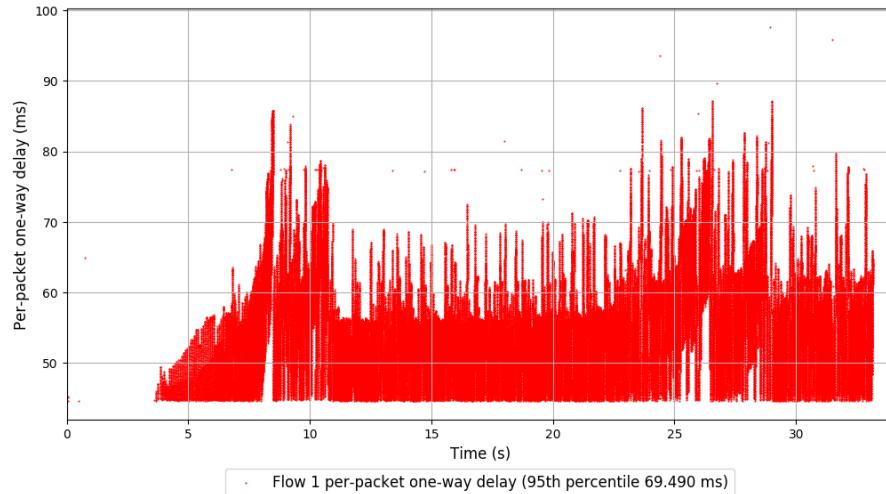
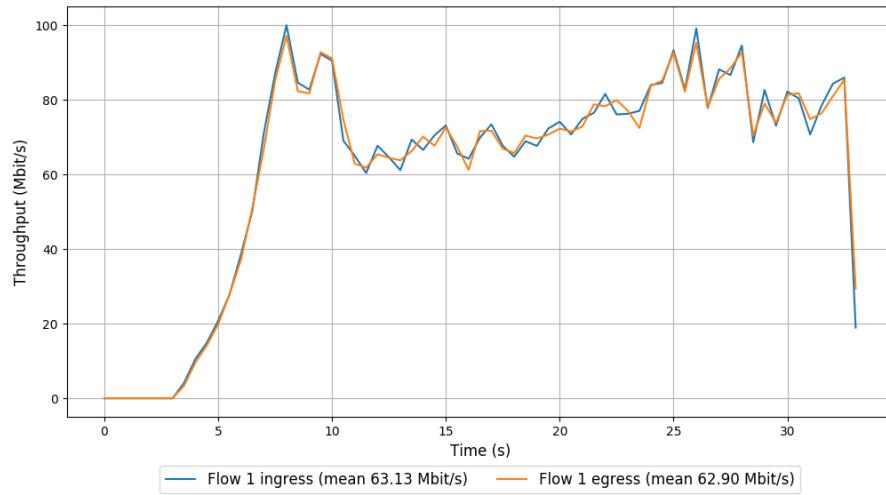


Run 5: Statistics of TCP Cubic

```
Start at: Fri, 16 Jun 2017 00:39:55 +0000
End at: Fri, 16 Jun 2017 00:40:25 +0000
Local clock offset: 2.326 ms
Remote clock offset: 2.669 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:53:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 69.490 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 69.490 ms
Loss rate: 0.36%
```

Run 5: Report of TCP Cubic — Data Link

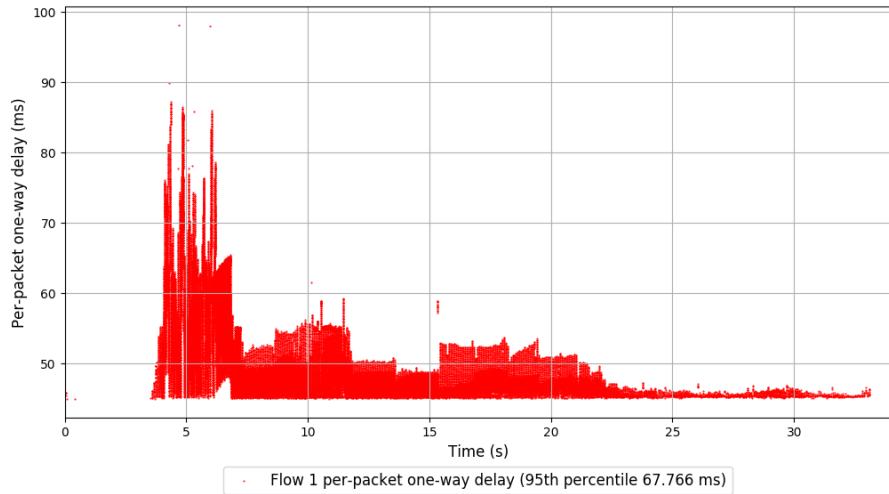
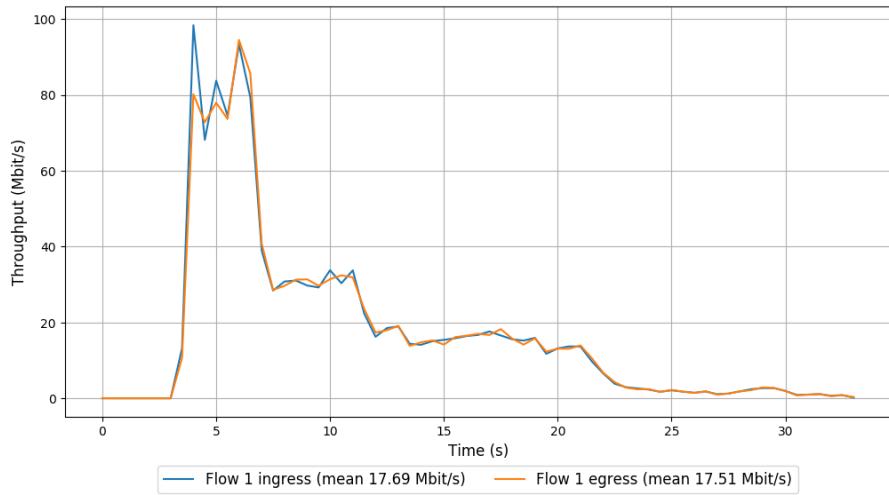


Run 6: Statistics of TCP Cubic

```
Start at: Fri, 16 Jun 2017 00:58:17 +0000
End at: Fri, 16 Jun 2017 00:58:47 +0000
Local clock offset: 2.521 ms
Remote clock offset: 3.103 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:53:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 67.766 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 67.766 ms
Loss rate: 1.00%
```

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 01:16:31 +0000

End at: Fri, 16 Jun 2017 01:17:01 +0000

Local clock offset: 0.837 ms

Remote clock offset: 2.092 ms

Below is generated by plot.py at Fri, 16 Jun 2017 06:54:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.85 Mbit/s

95th percentile per-packet one-way delay: 66.339 ms

Loss rate: 0.35%

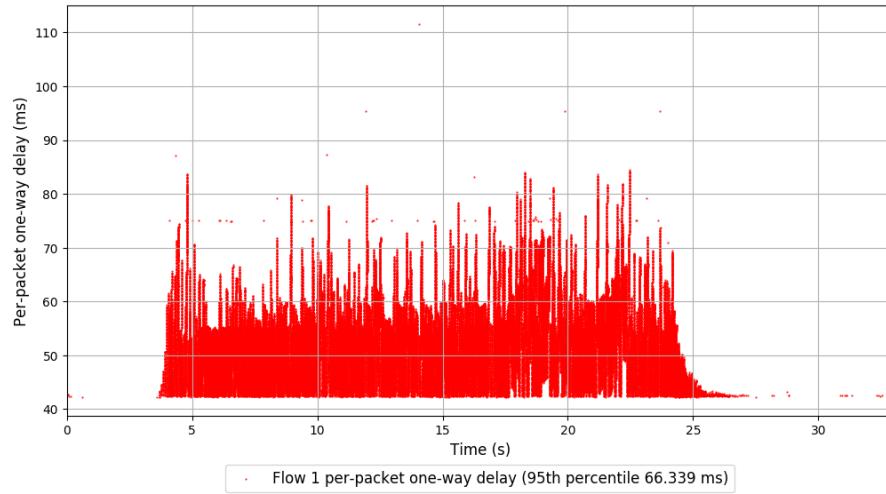
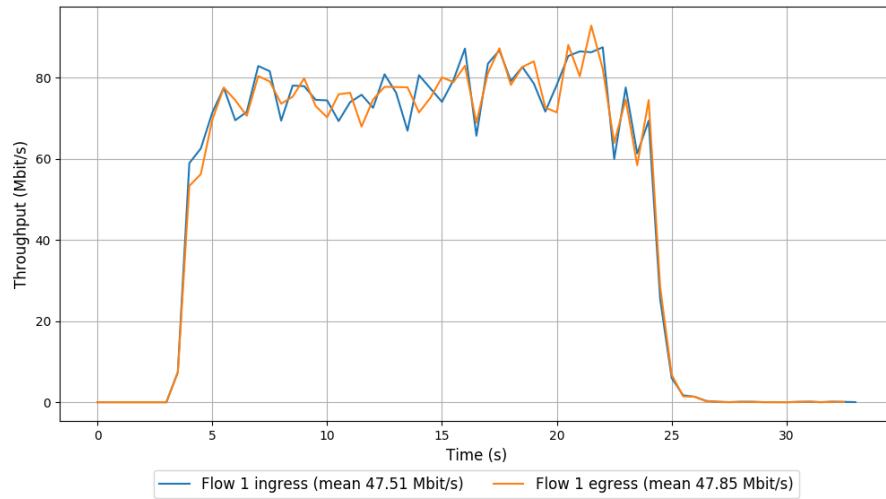
-- Flow 1:

Average throughput: 47.85 Mbit/s

95th percentile per-packet one-way delay: 66.339 ms

Loss rate: 0.35%

Run 7: Report of TCP Cubic — Data Link

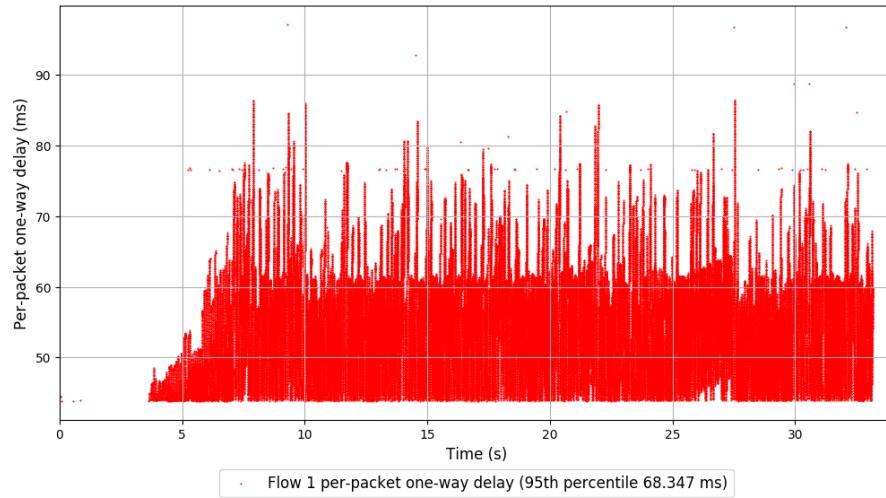
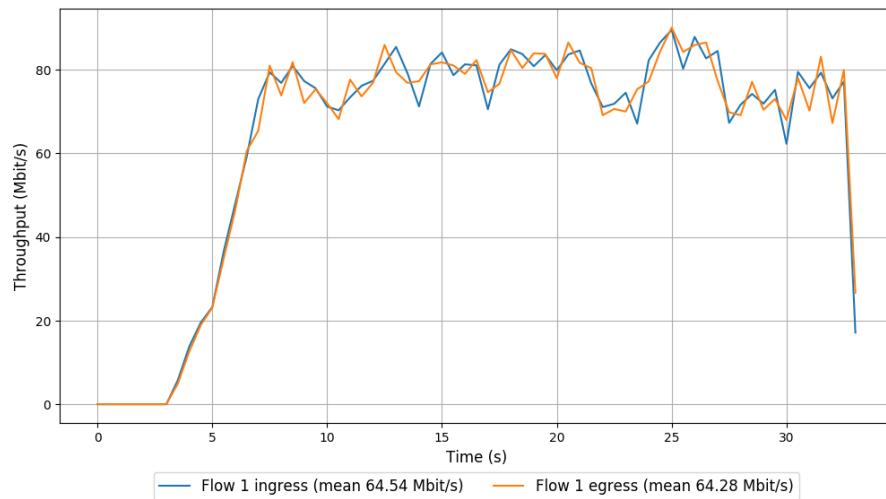


Run 8: Statistics of TCP Cubic

```
Start at: Fri, 16 Jun 2017 01:35:13 +0000
End at: Fri, 16 Jun 2017 01:35:43 +0000
Local clock offset: 3.939 ms
Remote clock offset: 1.835 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:54:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 68.347 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 68.347 ms
Loss rate: 0.36%
```

Run 8: Report of TCP Cubic — Data Link

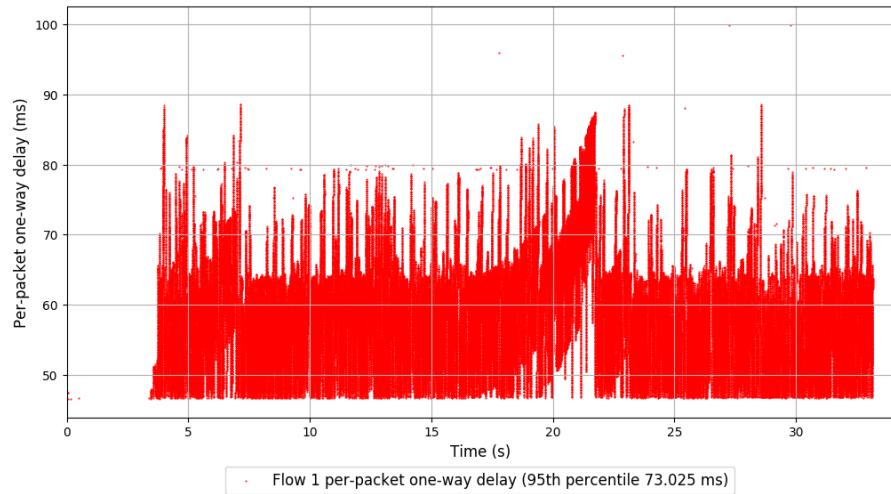
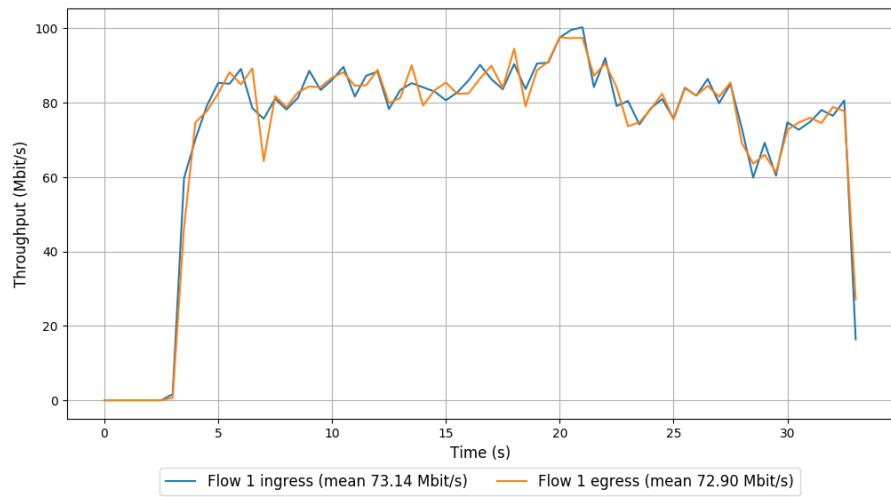


Run 9: Statistics of TCP Cubic

```
Start at: Fri, 16 Jun 2017 01:54:10 +0000
End at: Fri, 16 Jun 2017 01:54:40 +0000
Local clock offset: 3.983 ms
Remote clock offset: 0.469 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:54:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.90 Mbit/s
95th percentile per-packet one-way delay: 73.025 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 72.90 Mbit/s
95th percentile per-packet one-way delay: 73.025 ms
Loss rate: 0.32%
```

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 02:13:15 +0000

End at: Fri, 16 Jun 2017 02:13:45 +0000

Local clock offset: 5.898 ms

Remote clock offset: 0.466 ms

Below is generated by plot.py at Fri, 16 Jun 2017 06:55:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.77 Mbit/s

95th percentile per-packet one-way delay: 72.354 ms

Loss rate: 0.52%

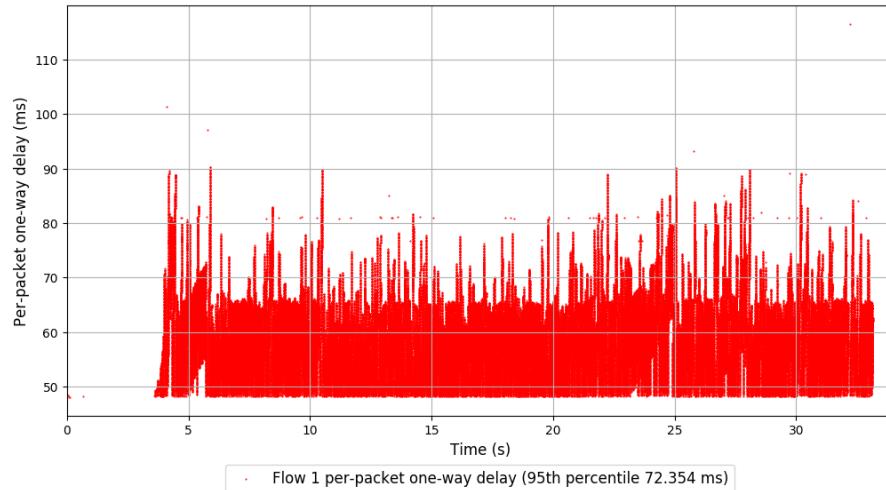
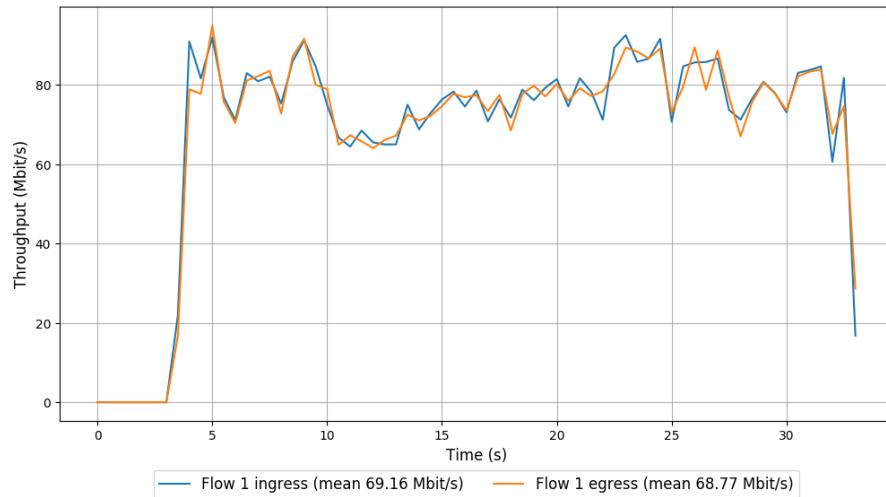
-- Flow 1:

Average throughput: 68.77 Mbit/s

95th percentile per-packet one-way delay: 72.354 ms

Loss rate: 0.52%

Run 10: Report of TCP Cubic — Data Link



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

```
Start at: Thu, 15 Jun 2017 23:15:54 +0000
```

```
End at: Thu, 15 Jun 2017 23:16:24 +0000
```

```
Local clock offset: 2.265 ms
```

```
Remote clock offset: -0.078 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 06:55:05 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 14.57 Mbit/s
```

```
95th percentile per-packet one-way delay: 57.044 ms
```

```
Loss rate: 0.00%
```

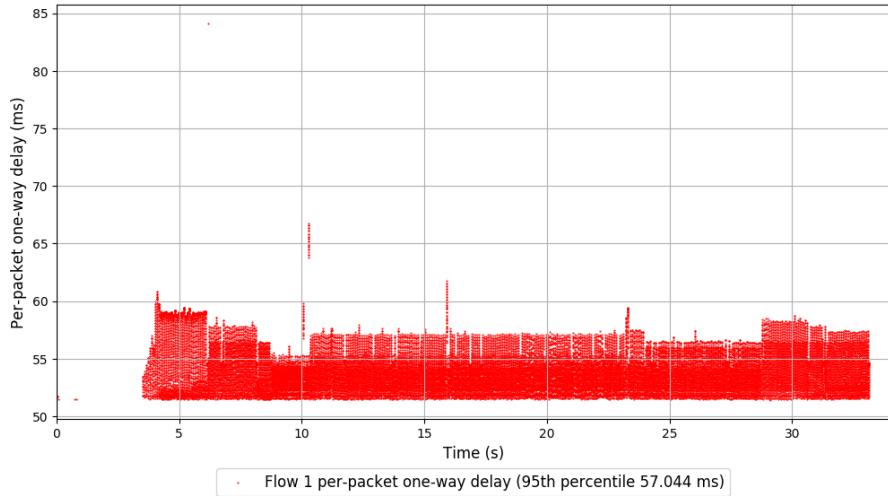
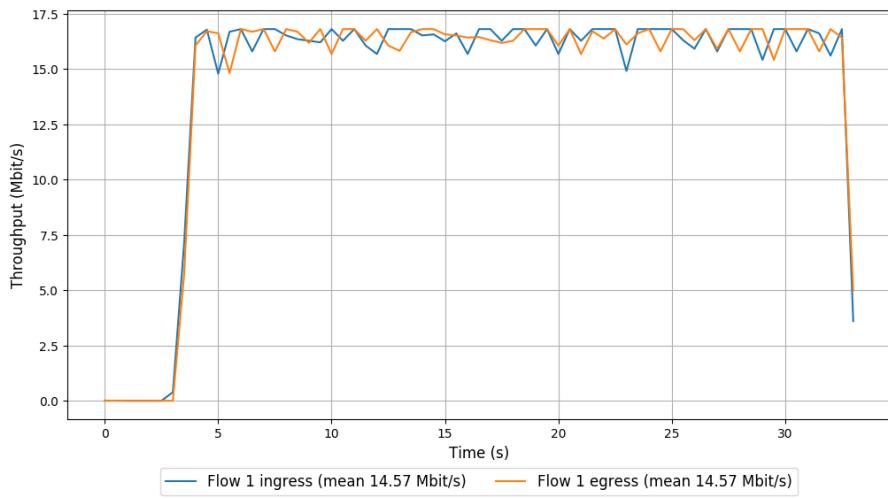
```
-- Flow 1:
```

```
Average throughput: 14.57 Mbit/s
```

```
95th percentile per-packet one-way delay: 57.044 ms
```

```
Loss rate: 0.00%
```

Run 1: Report of KohoCC — Data Link

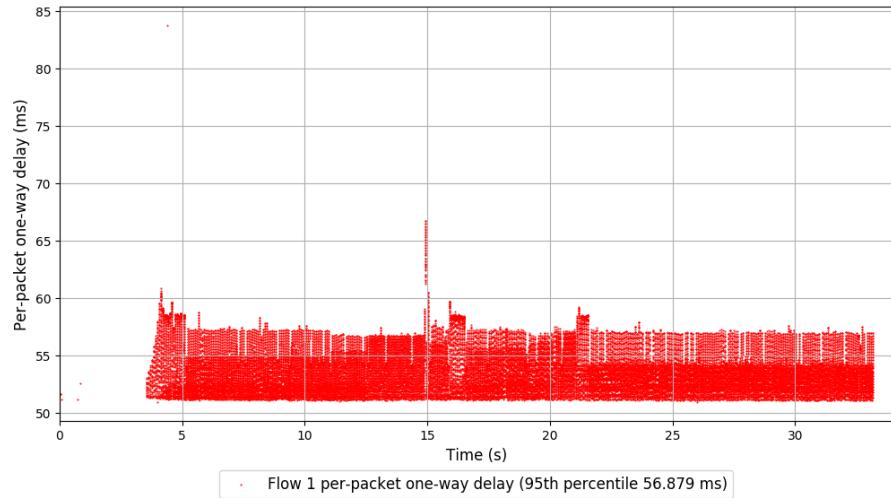
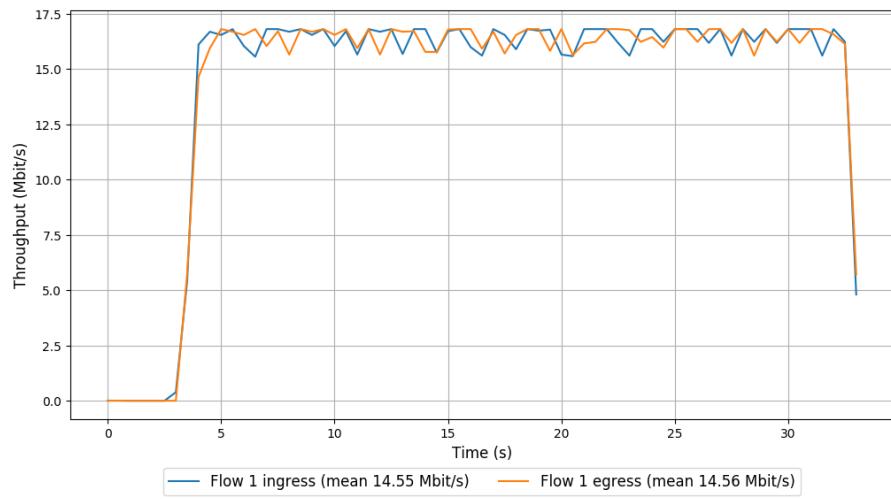


Run 2: Statistics of KohoCC

```
Start at: Thu, 15 Jun 2017 23:34:41 +0000
End at: Thu, 15 Jun 2017 23:35:11 +0000
Local clock offset: 2.828 ms
Remote clock offset: -0.476 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:55:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.56 Mbit/s
95th percentile per-packet one-way delay: 56.879 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 14.56 Mbit/s
95th percentile per-packet one-way delay: 56.879 ms
Loss rate: 0.06%
```

Run 2: Report of KohoCC — Data Link

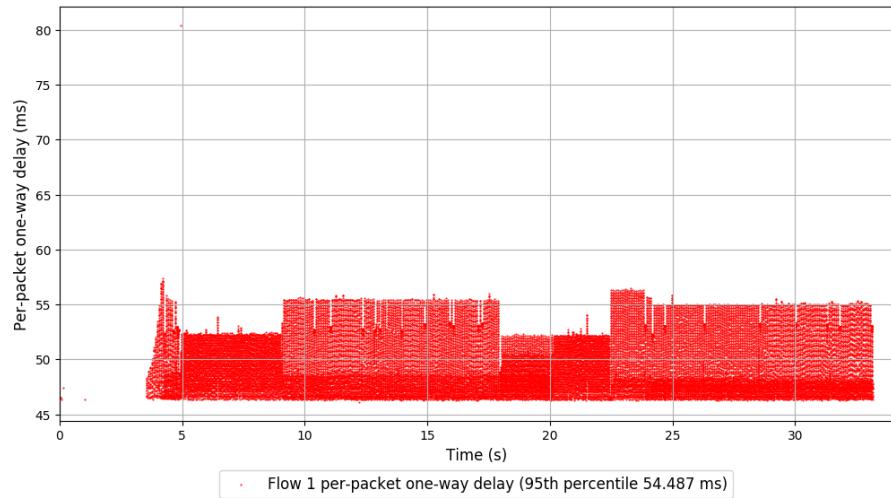
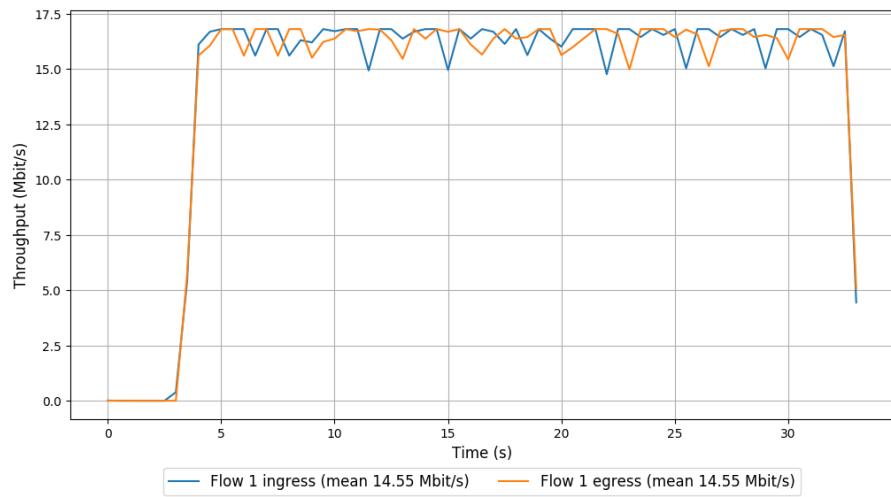


Run 3: Statistics of KohoCC

```
Start at: Thu, 15 Jun 2017 23:53:19 +0000
End at: Thu, 15 Jun 2017 23:53:49 +0000
Local clock offset: -0.042 ms
Remote clock offset: -0.317 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:55:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.55 Mbit/s
95th percentile per-packet one-way delay: 54.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.55 Mbit/s
95th percentile per-packet one-way delay: 54.487 ms
Loss rate: 0.00%
```

Run 3: Report of KohoCC — Data Link

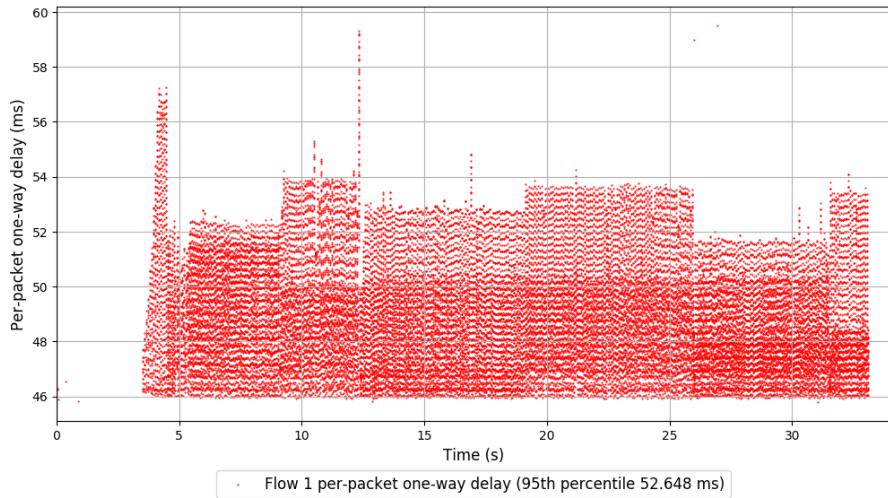
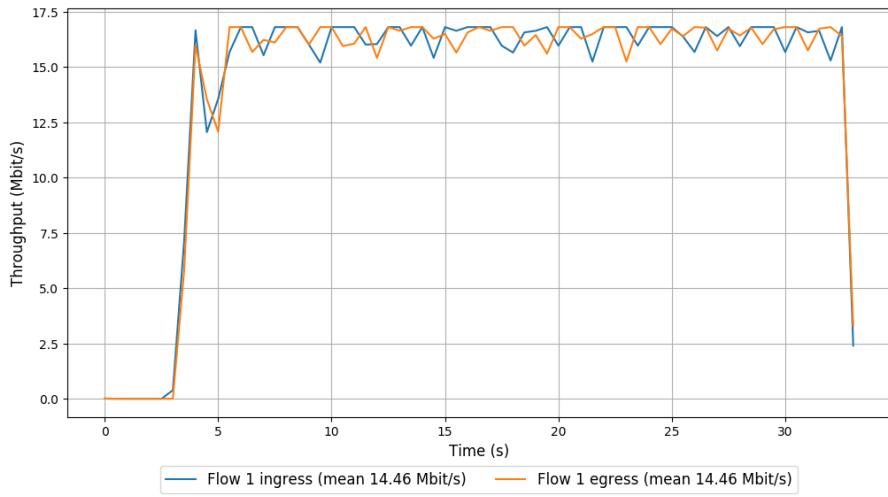


Run 4: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 00:12:01 +0000
End at: Fri, 16 Jun 2017 00:12:31 +0000
Local clock offset: 2.367 ms
Remote clock offset: 0.448 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:55:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 52.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 52.648 ms
Loss rate: 0.00%
```

Run 4: Report of KohoCC — Data Link

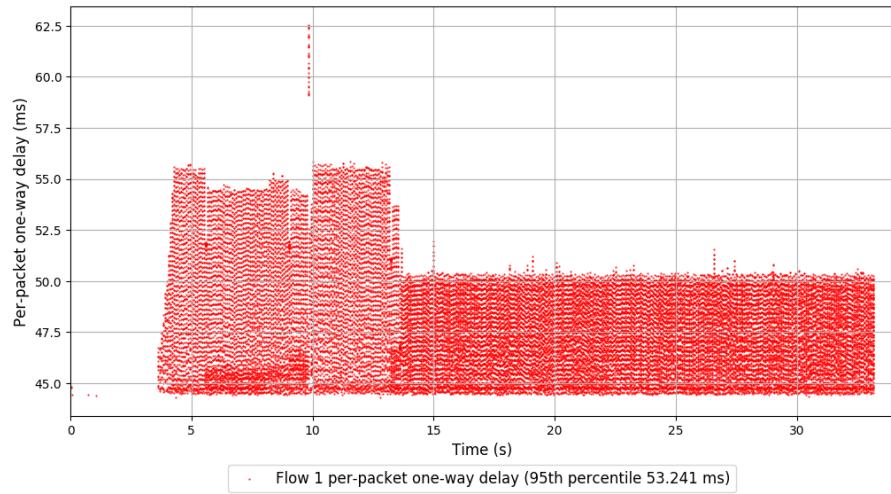
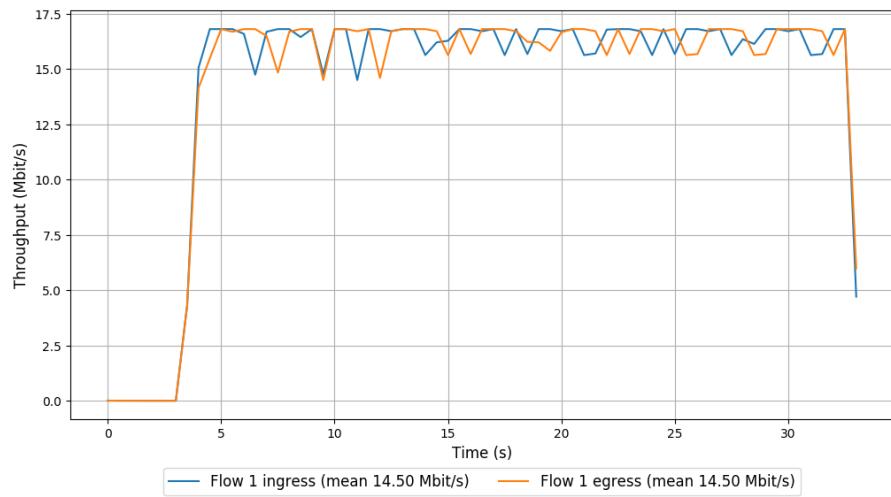


Run 5: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 00:31:05 +0000
End at: Fri, 16 Jun 2017 00:31:35 +0000
Local clock offset: 5.165 ms
Remote clock offset: 2.652 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:55:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.50 Mbit/s
95th percentile per-packet one-way delay: 53.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.50 Mbit/s
95th percentile per-packet one-way delay: 53.241 ms
Loss rate: 0.00%
```

Run 5: Report of KohoCC — Data Link

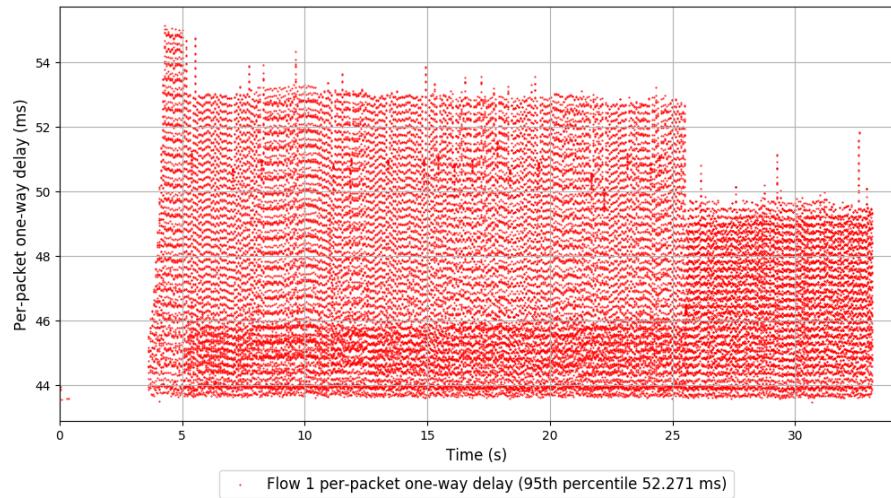
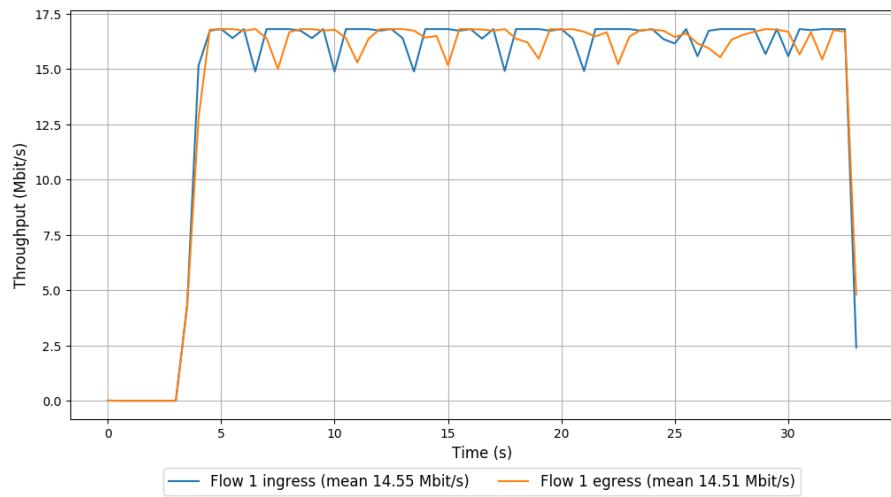


Run 6: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 00:50:01 +0000
End at: Fri, 16 Jun 2017 00:50:31 +0000
Local clock offset: 5.333 ms
Remote clock offset: 2.649 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:55:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.51 Mbit/s
95th percentile per-packet one-way delay: 52.271 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 14.51 Mbit/s
95th percentile per-packet one-way delay: 52.271 ms
Loss rate: 0.29%
```

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 01:07:52 +0000

End at: Fri, 16 Jun 2017 01:08:22 +0000

Local clock offset: 1.456 ms

Remote clock offset: 2.22 ms

Below is generated by plot.py at Fri, 16 Jun 2017 06:55:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 49.514 ms

Loss rate: 16.90%

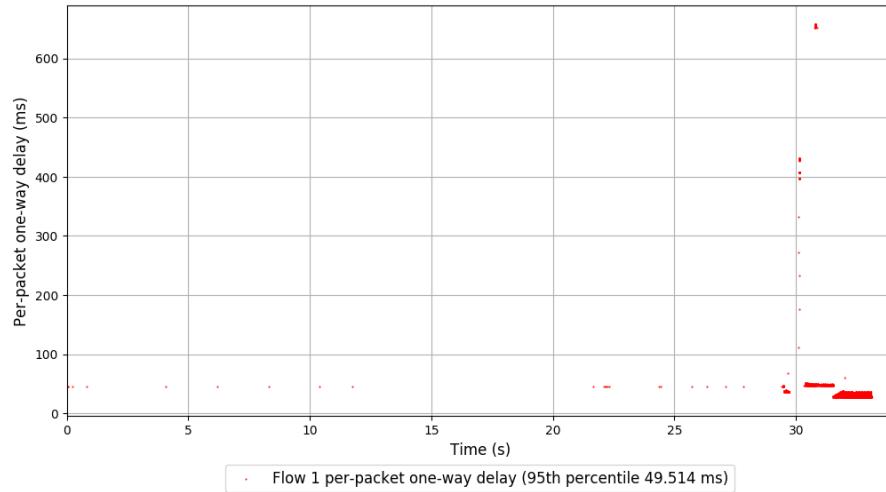
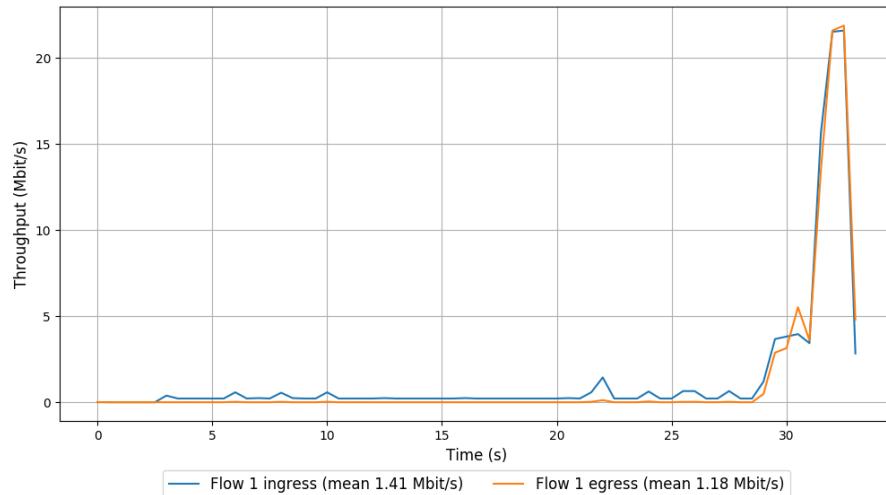
-- Flow 1:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 49.514 ms

Loss rate: 16.90%

Run 7: Report of KohoCC — Data Link

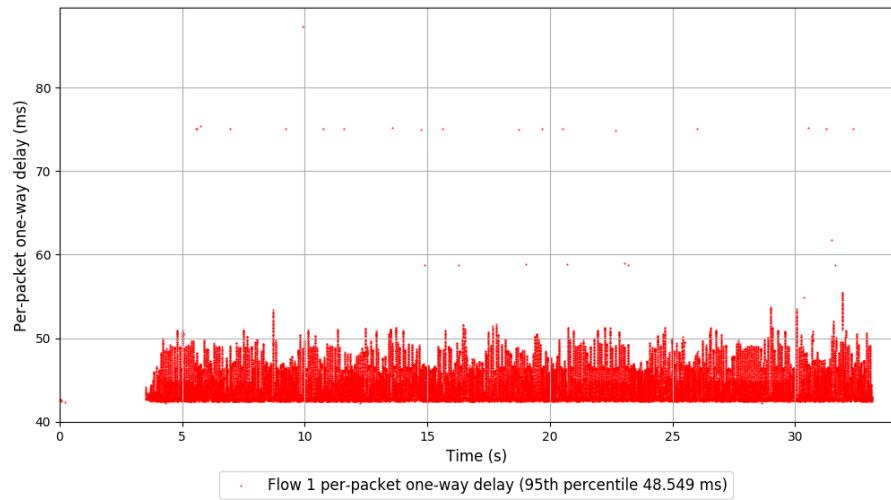
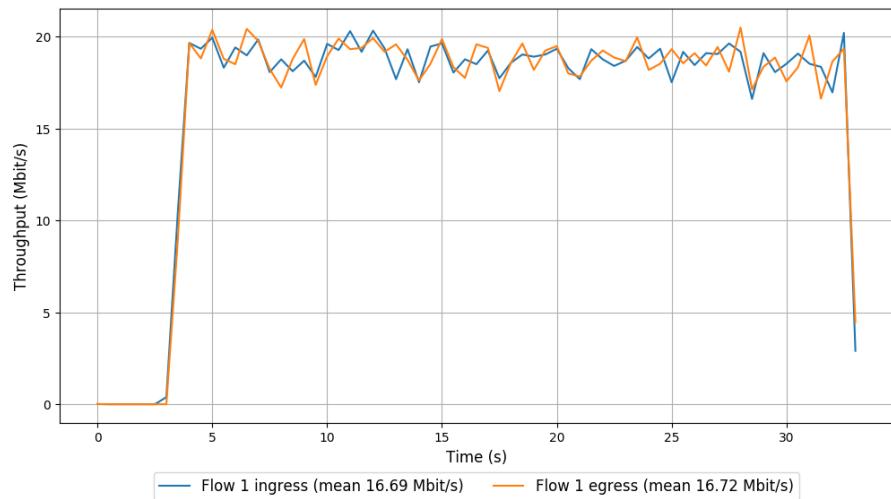


Run 8: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 01:26:28 +0000
End at: Fri, 16 Jun 2017 01:26:58 +0000
Local clock offset: 3.183 ms
Remote clock offset: 1.999 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:56:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.72 Mbit/s
95th percentile per-packet one-way delay: 48.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.72 Mbit/s
95th percentile per-packet one-way delay: 48.549 ms
Loss rate: 0.00%
```

Run 8: Report of KohoCC — Data Link

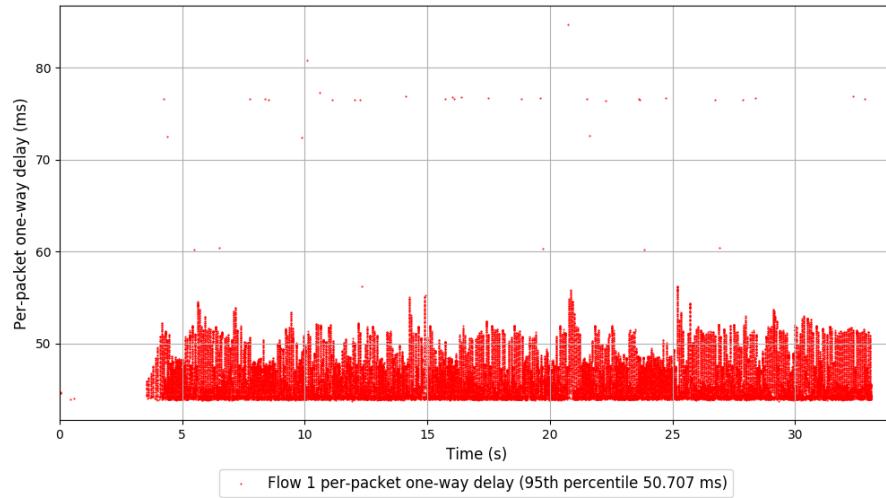
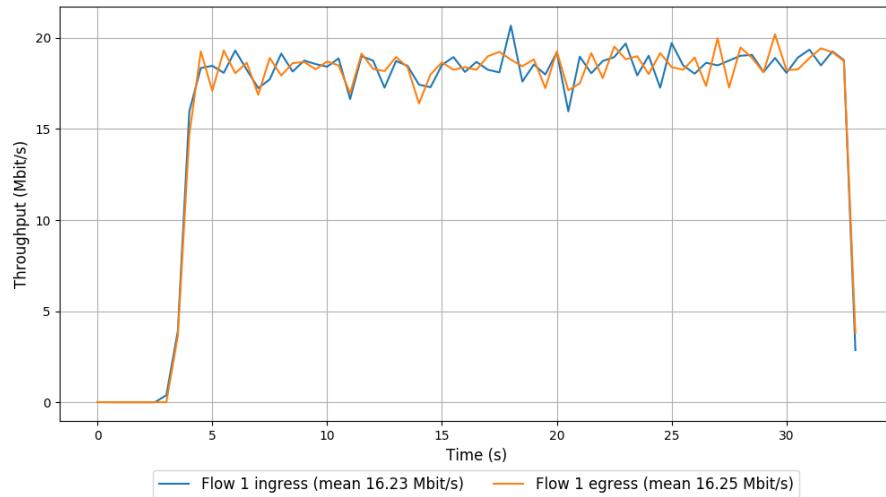


Run 9: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 01:45:14 +0000
End at: Fri, 16 Jun 2017 01:45:44 +0000
Local clock offset: 0.828 ms
Remote clock offset: 0.497 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:56:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 50.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 50.707 ms
Loss rate: 0.00%
```

Run 9: Report of KohoCC — Data Link

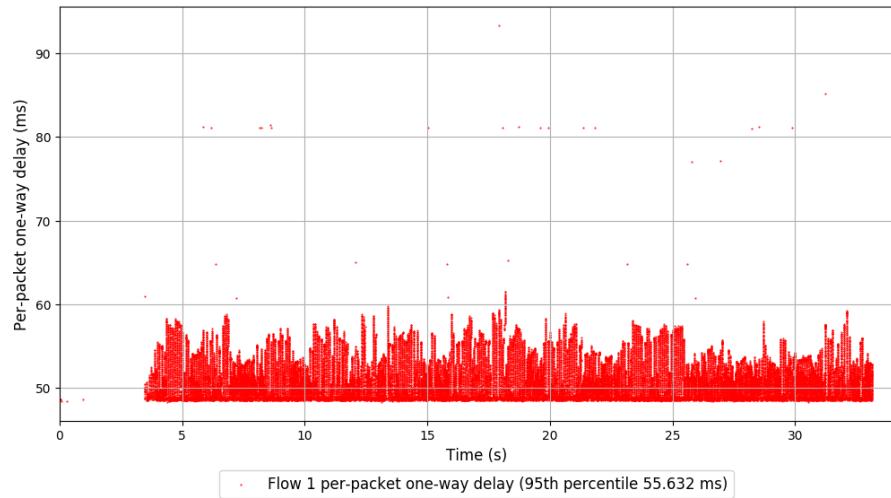
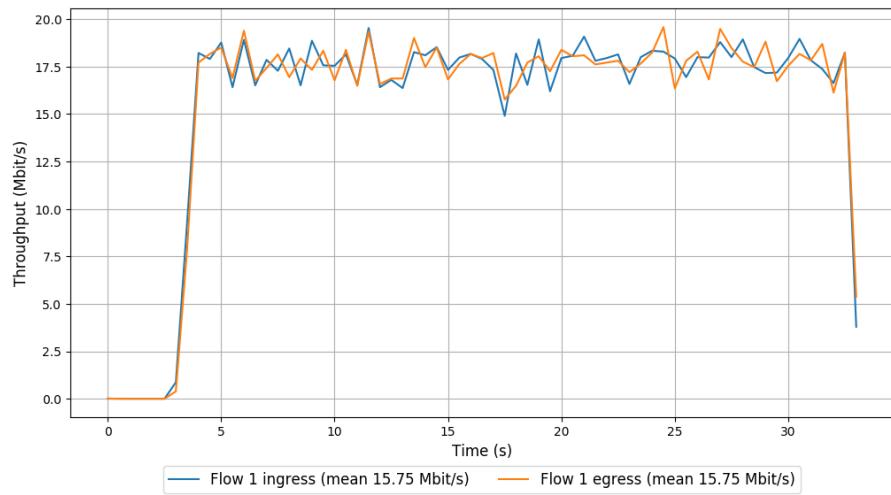


Run 10: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 02:04:18 +0000
End at: Fri, 16 Jun 2017 02:04:48 +0000
Local clock offset: 4.495 ms
Remote clock offset: -0.354 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:56:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 55.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 55.632 ms
Loss rate: 0.00%
```

Run 10: Report of KohoCC — Data Link

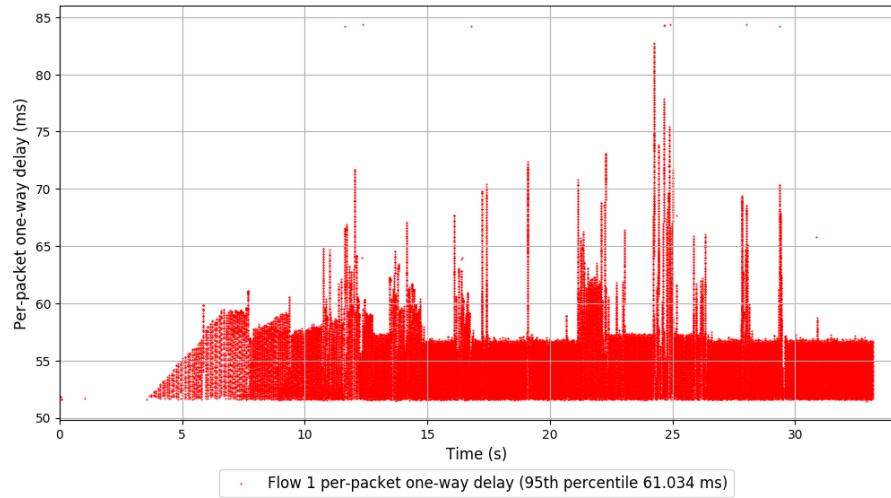
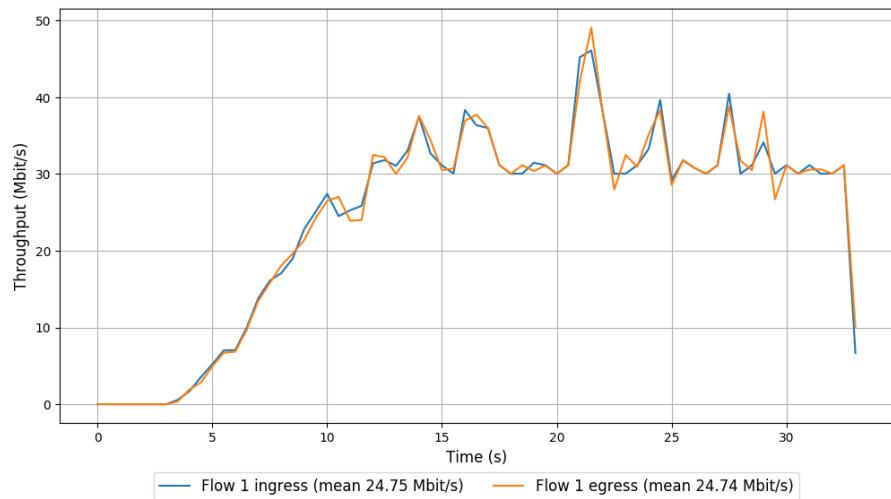


Run 1: Statistics of LEDBAT

```
Start at: Thu, 15 Jun 2017 23:18:24 +0000
End at: Thu, 15 Jun 2017 23:18:54 +0000
Local clock offset: 1.62 ms
Remote clock offset: 0.398 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:56:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 61.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 61.034 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

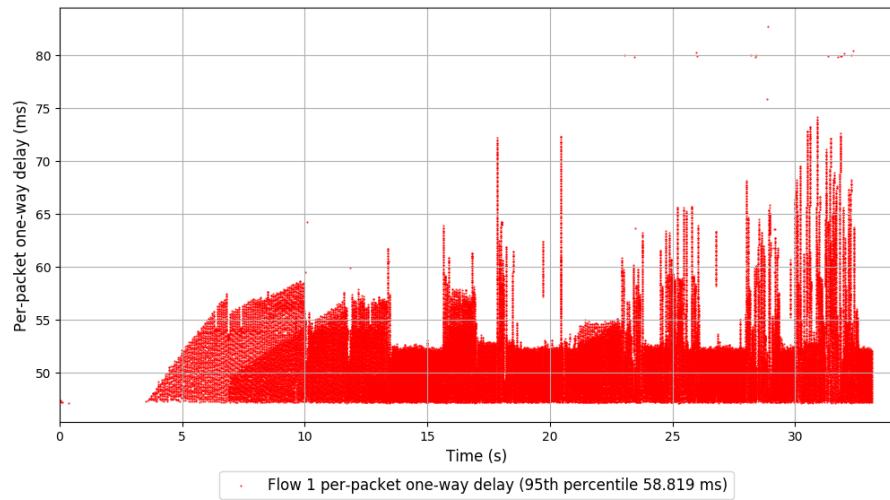
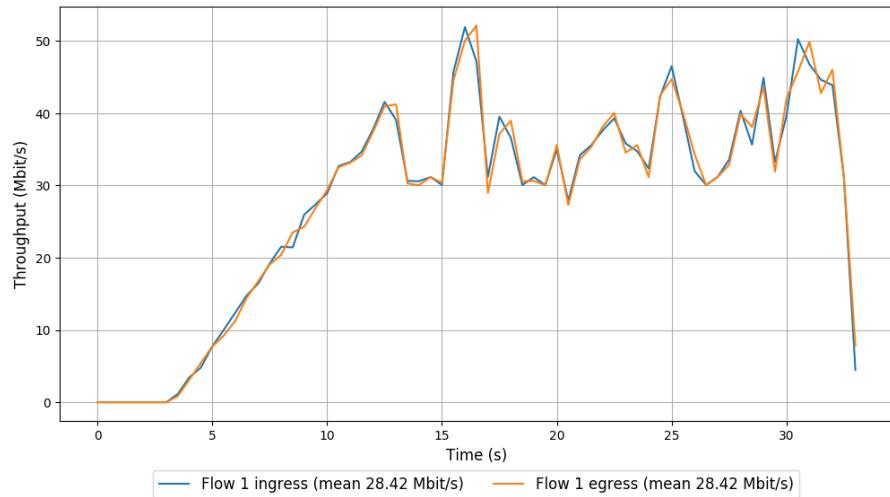


Run 2: Statistics of LEDBAT

```
Start at: Thu, 15 Jun 2017 23:37:13 +0000
End at: Thu, 15 Jun 2017 23:37:43 +0000
Local clock offset: -0.85 ms
Remote clock offset: -0.162 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:56:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: 58.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: 58.819 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

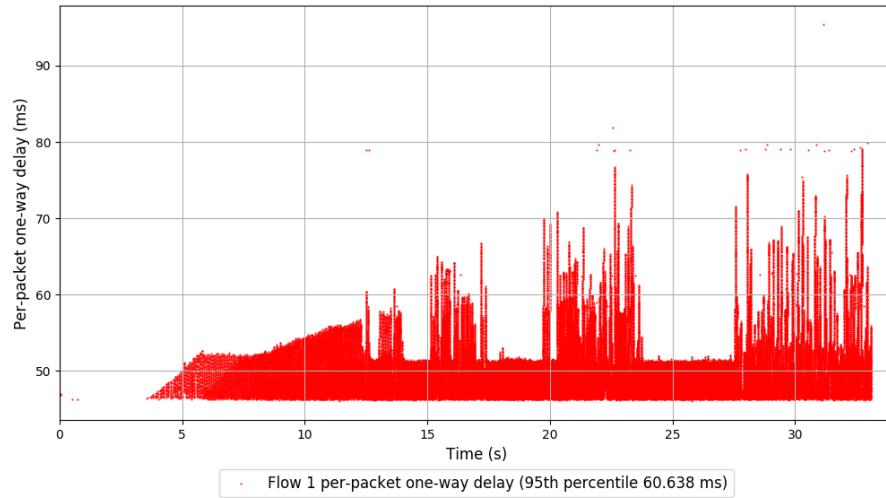
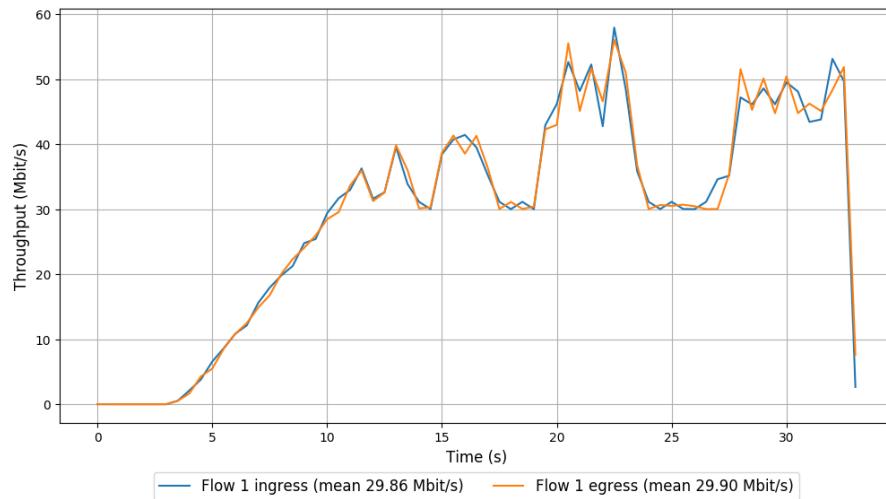


Run 3: Statistics of LEDBAT

```
Start at: Thu, 15 Jun 2017 23:55:57 +0000
End at: Thu, 15 Jun 2017 23:56:27 +0000
Local clock offset: 4.946 ms
Remote clock offset: 0.529 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:57:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 60.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 60.638 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

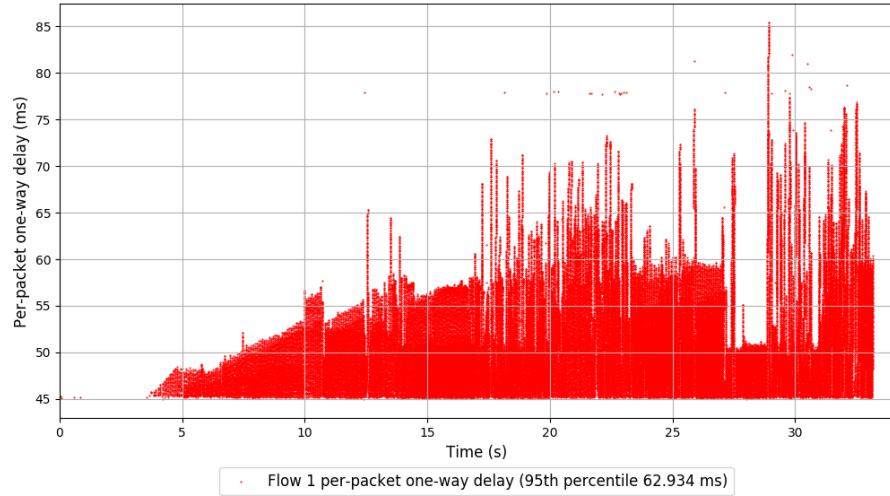
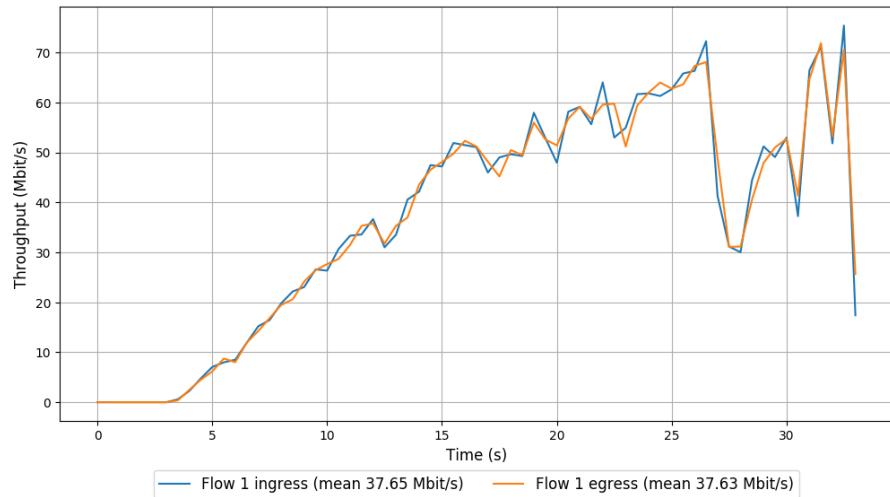


Run 4: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 00:14:33 +0000
End at: Fri, 16 Jun 2017 00:15:03 +0000
Local clock offset: -0.759 ms
Remote clock offset: 2.006 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:57:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 62.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.63 Mbit/s
95th percentile per-packet one-way delay: 62.934 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

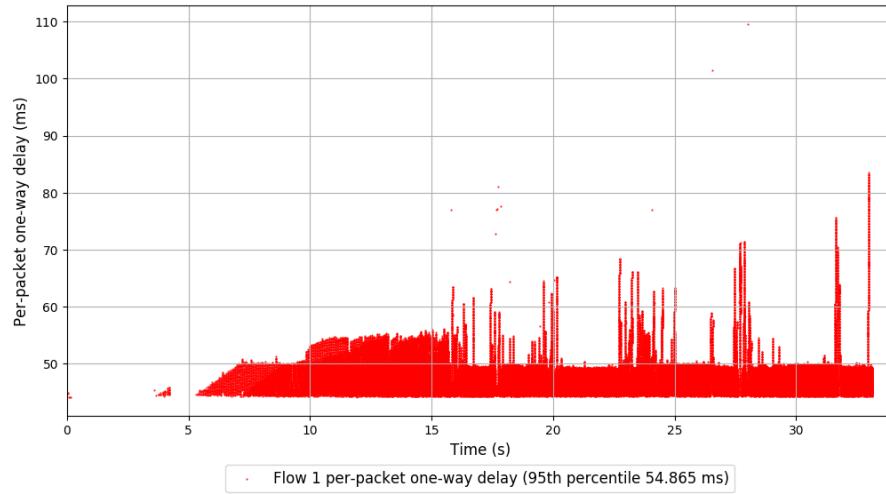
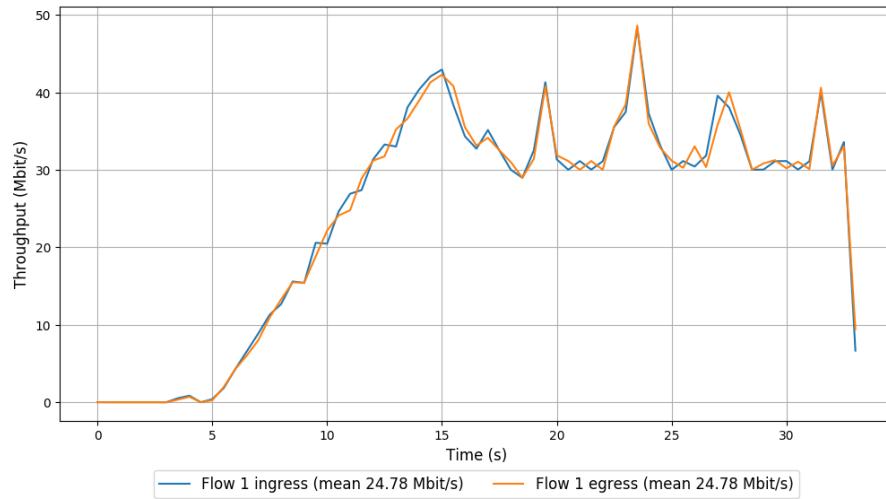


Run 5: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 00:33:39 +0000
End at: Fri, 16 Jun 2017 00:34:09 +0000
Local clock offset: 2.388 ms
Remote clock offset: 2.233 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:57:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 54.865 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 54.865 ms
Loss rate: 0.02%
```

Run 5: Report of LEDBAT — Data Link

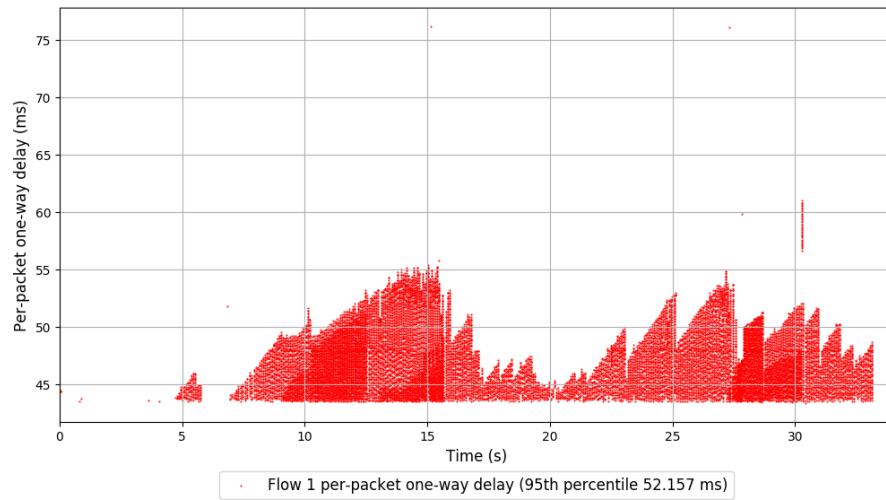
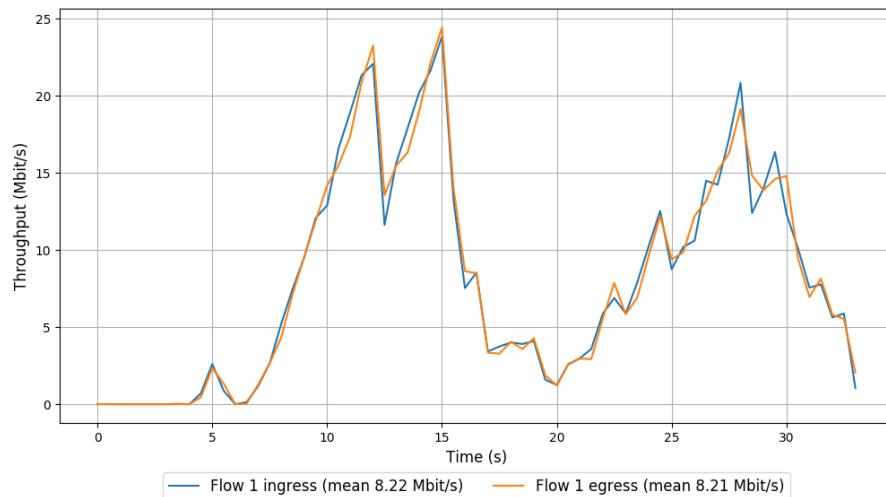


Run 6: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 00:52:29 +0000
End at: Fri, 16 Jun 2017 00:52:59 +0000
Local clock offset: 1.379 ms
Remote clock offset: 1.912 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:57:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 52.157 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 52.157 ms
Loss rate: 0.15%
```

Run 6: Report of LEDBAT — Data Link

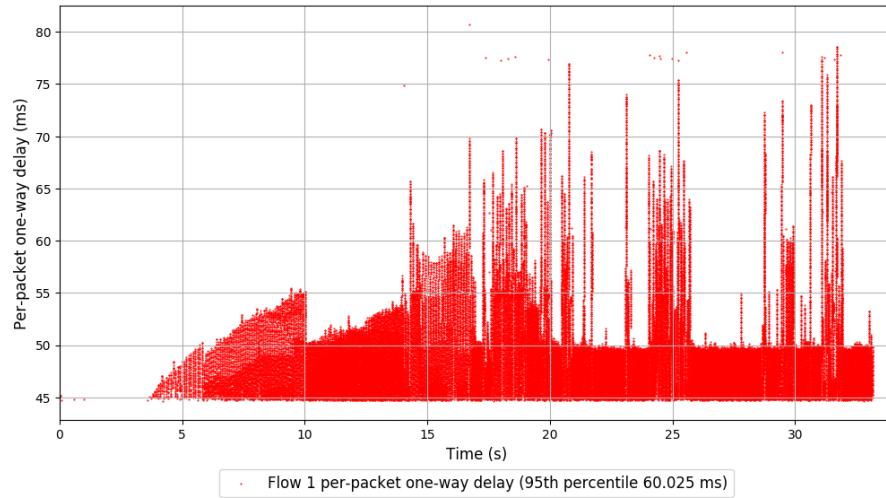
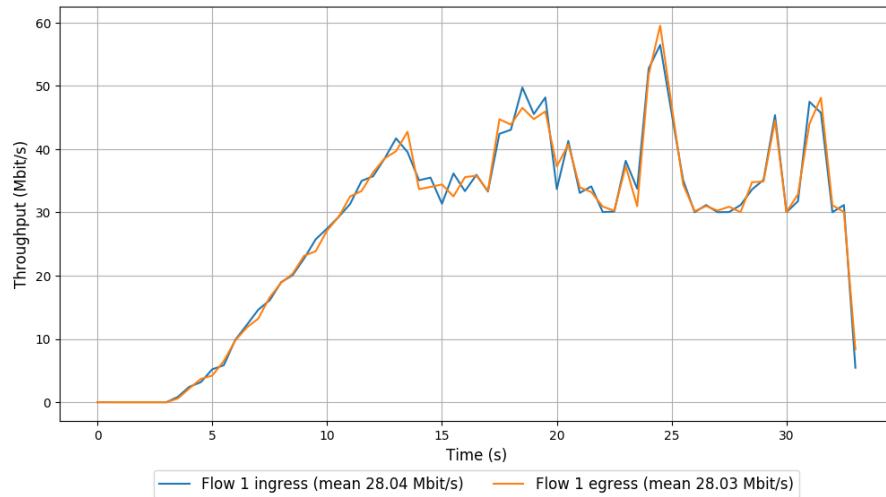


Run 7: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 01:10:27 +0000
End at: Fri, 16 Jun 2017 01:10:57 +0000
Local clock offset: 2.017 ms
Remote clock offset: 2.32 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:57:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 60.025 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 60.025 ms
Loss rate: 0.02%
```

Run 7: Report of LEDBAT — Data Link

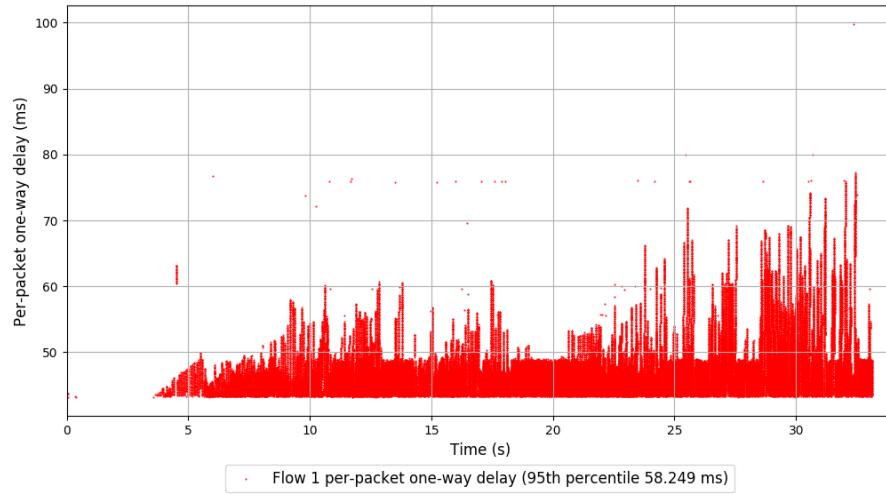
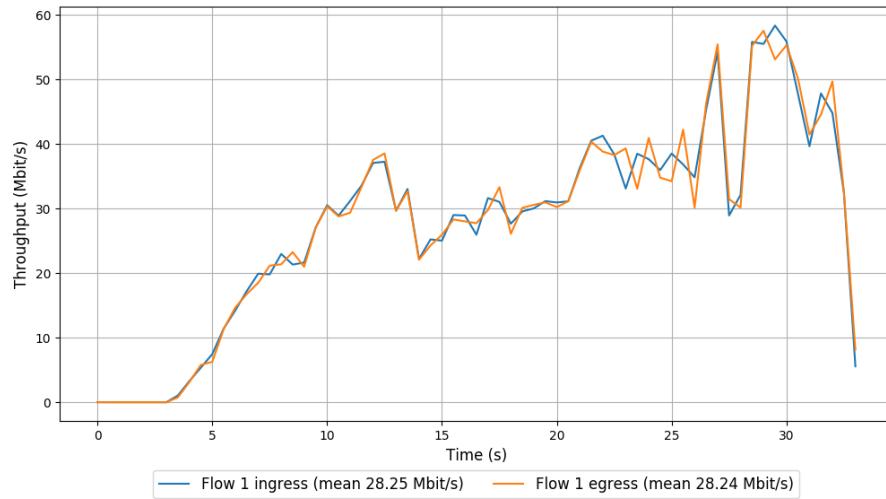


Run 8: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 01:29:00 +0000
End at: Fri, 16 Jun 2017 01:29:30 +0000
Local clock offset: 1.997 ms
Remote clock offset: 2.17 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:57:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 58.249 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 58.249 ms
Loss rate: 0.02%
```

Run 8: Report of LEDBAT — Data Link

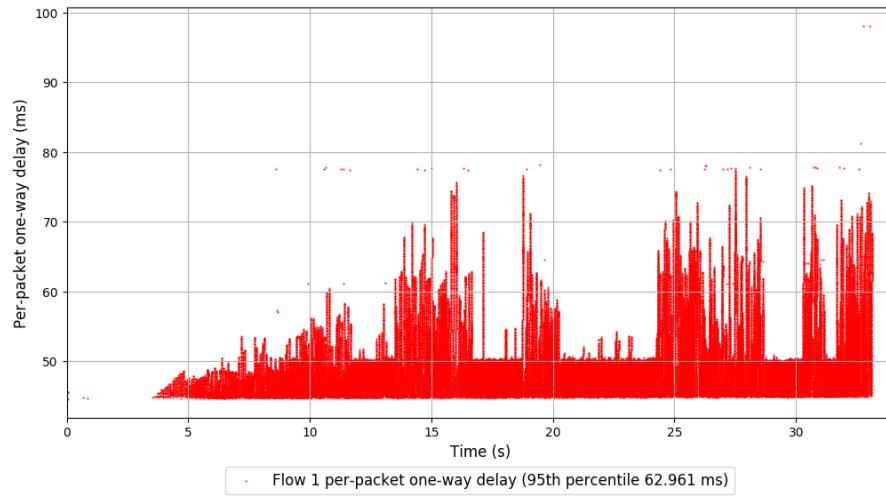
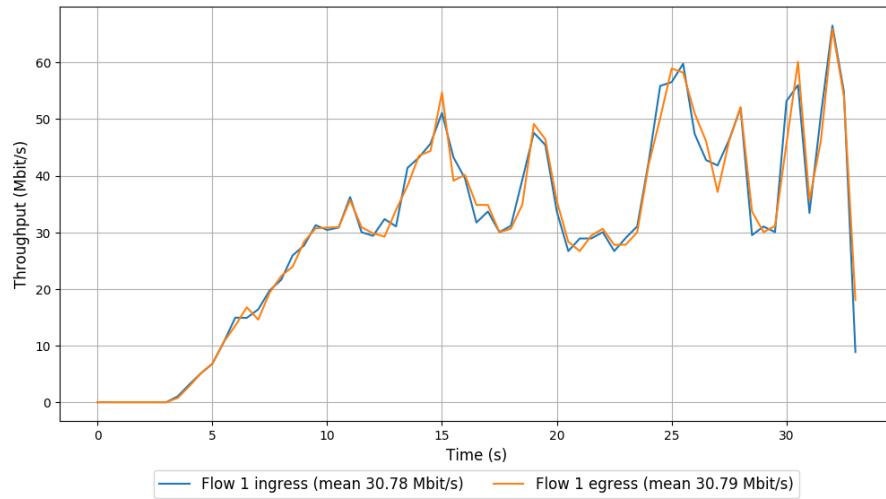


Run 9: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 01:47:50 +0000
End at: Fri, 16 Jun 2017 01:48:20 +0000
Local clock offset: 0.407 ms
Remote clock offset: 0.653 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:58:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 62.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 62.961 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

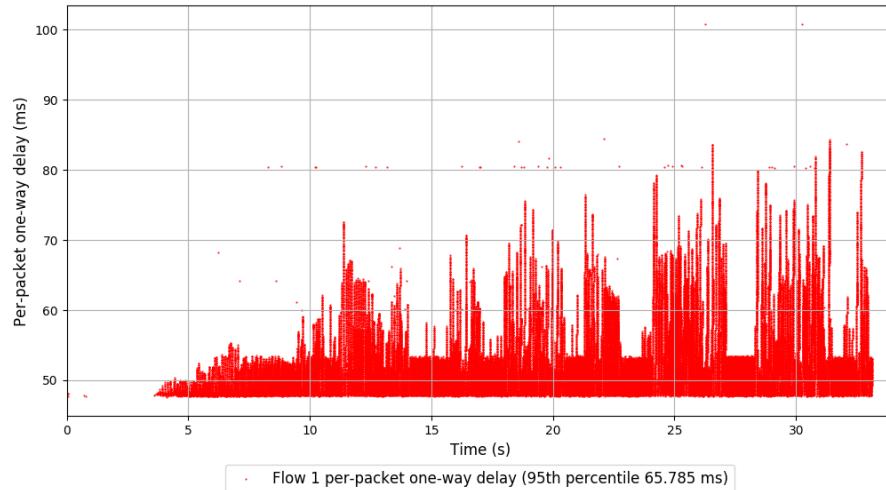
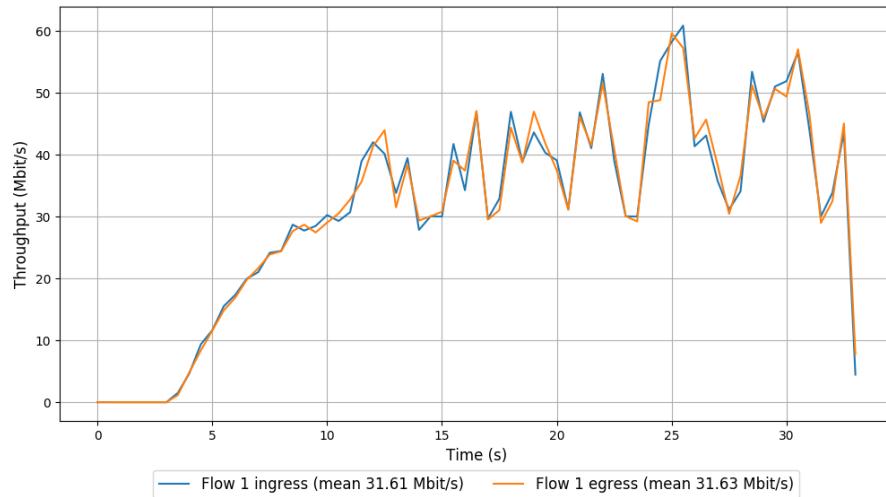


Run 10: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 02:06:50 +0000
End at: Fri, 16 Jun 2017 02:07:20 +0000
Local clock offset: -0.389 ms
Remote clock offset: 0.441 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:58:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 65.785 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 65.785 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

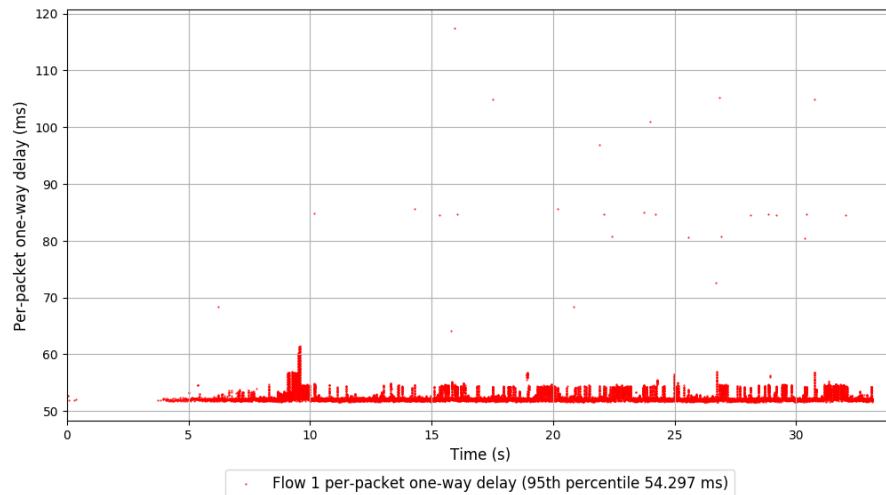
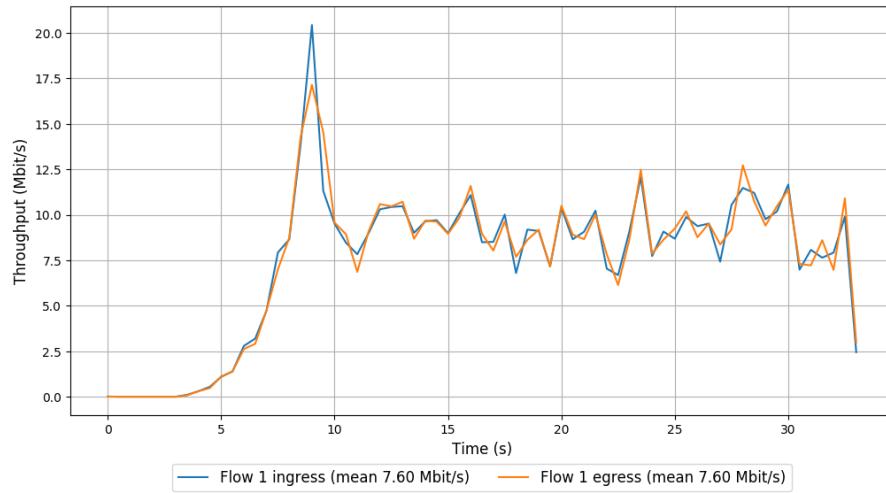


Run 1: Statistics of PCC

```
Start at: Thu, 15 Jun 2017 23:29:32 +0000
End at: Thu, 15 Jun 2017 23:30:02 +0000
Local clock offset: 0.843 ms
Remote clock offset: 0.543 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:58:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 54.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 54.297 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link

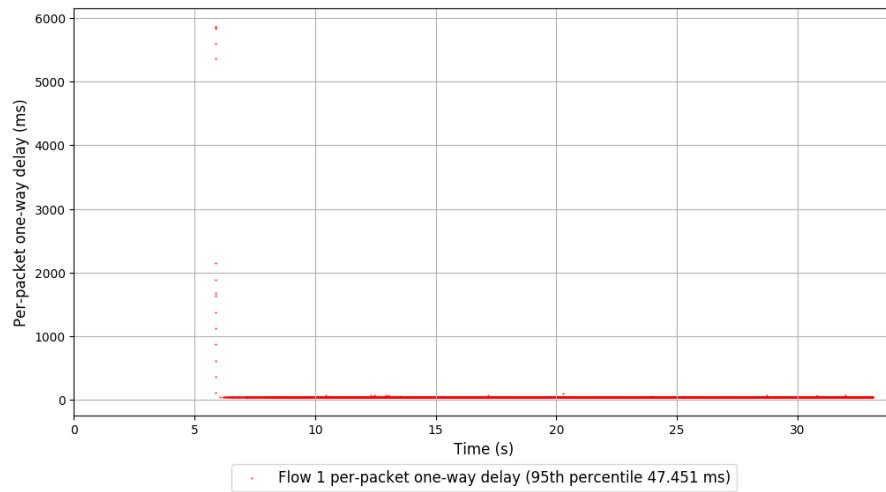
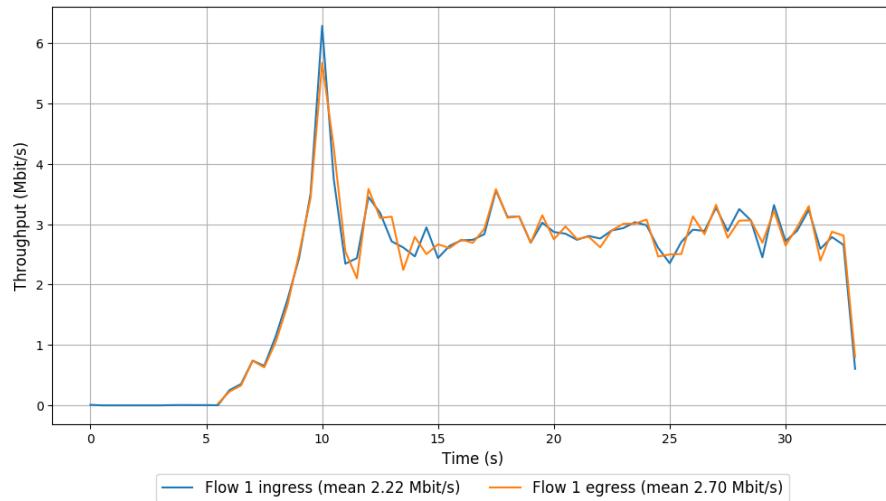


Run 2: Statistics of PCC

```
Start at: Thu, 15 Jun 2017 23:48:22 +0000
End at: Thu, 15 Jun 2017 23:48:52 +0000
Local clock offset: 6.098 ms
Remote clock offset: -0.384 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:58:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 47.451 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 47.451 ms
Loss rate: 0.00%
```

Run 2: Report of PCC — Data Link

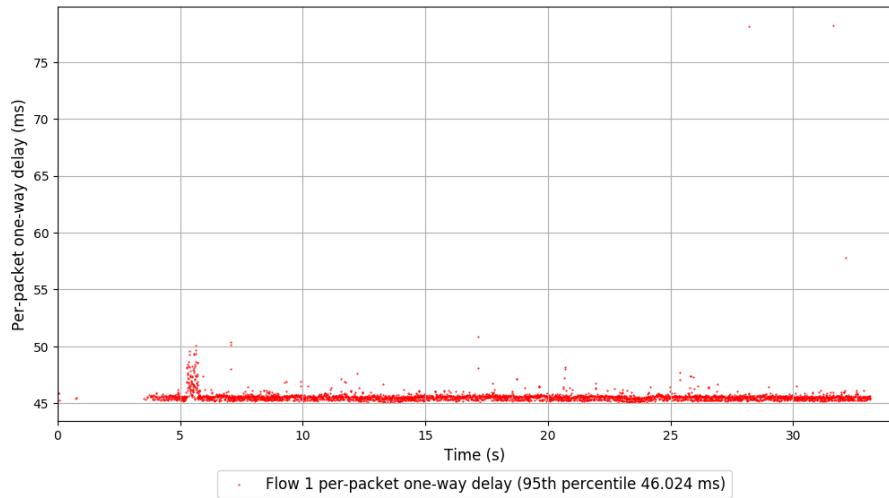
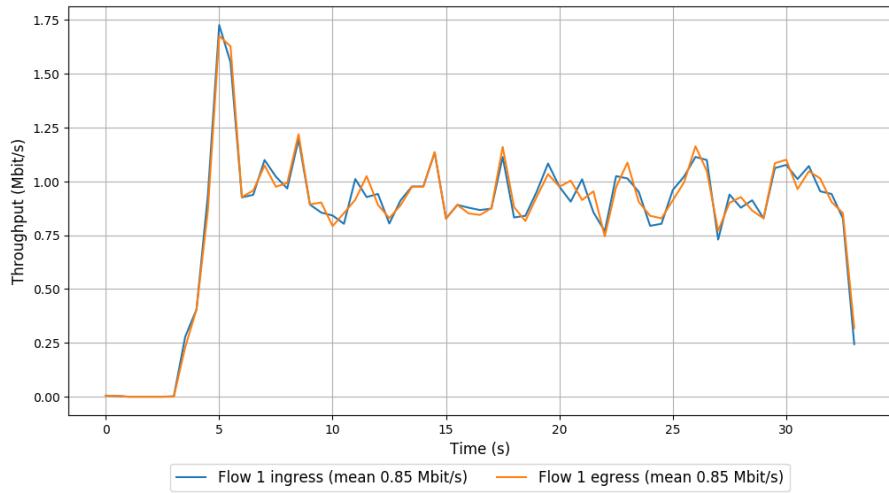


Run 3: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 00:06:55 +0000
End at: Fri, 16 Jun 2017 00:07:25 +0000
Local clock offset: 2.959 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:58:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 46.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 46.024 ms
Loss rate: 0.00%
```

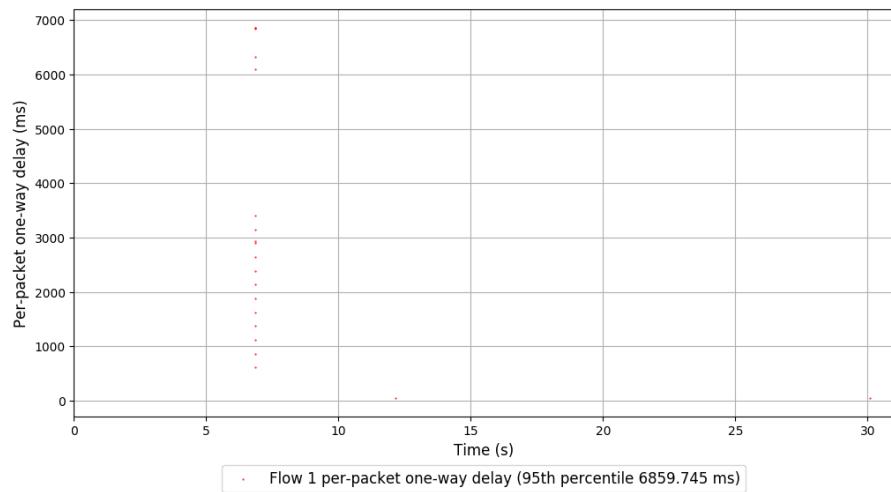
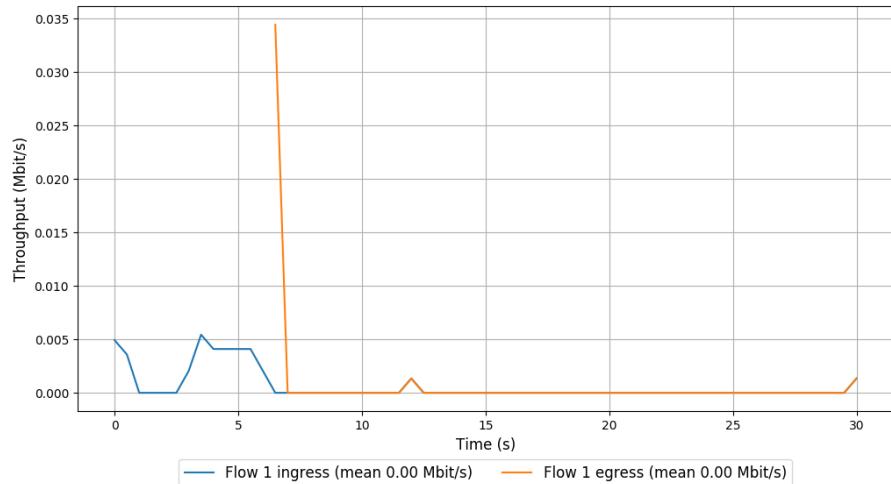
Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Fri, 16 Jun 2017 00:26:00 +0000
End at: Fri, 16 Jun 2017 00:26:30 +0000
Local clock offset: 3.999 ms
Remote clock offset: 0.974 ms

Run 4: Report of PCC — Data Link

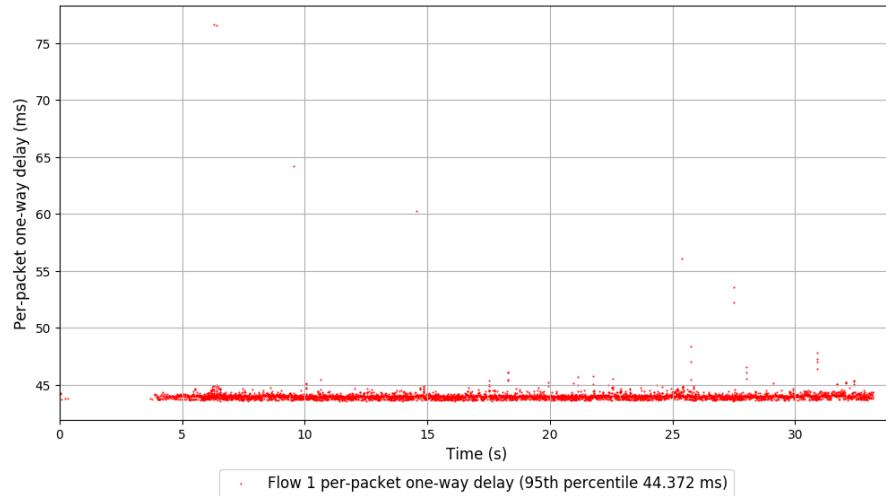
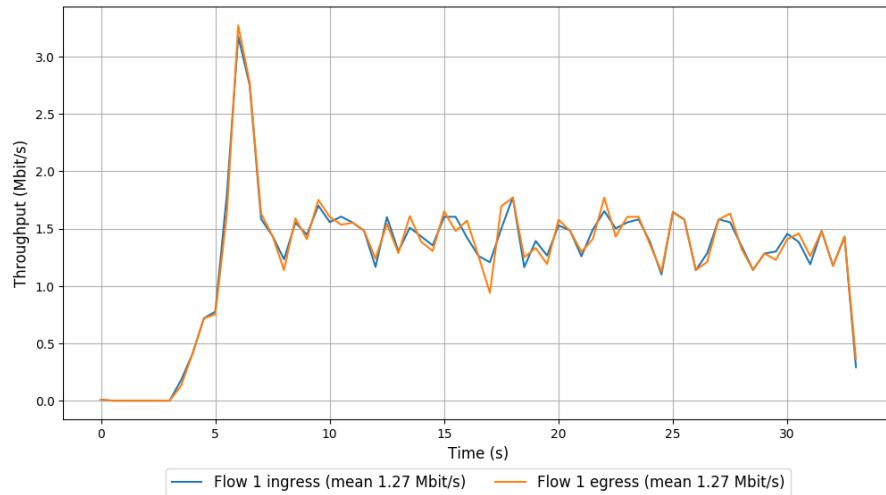


Run 5: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 00:44:56 +0000
End at: Fri, 16 Jun 2017 00:45:26 +0000
Local clock offset: 2.08 ms
Remote clock offset: 2.368 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:58:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 44.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 44.372 ms
Loss rate: 0.00%
```

Run 5: Report of PCC — Data Link

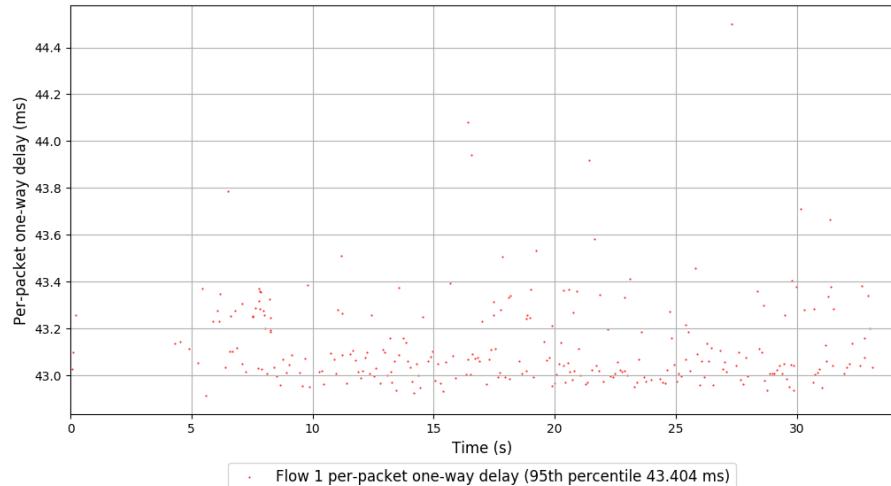
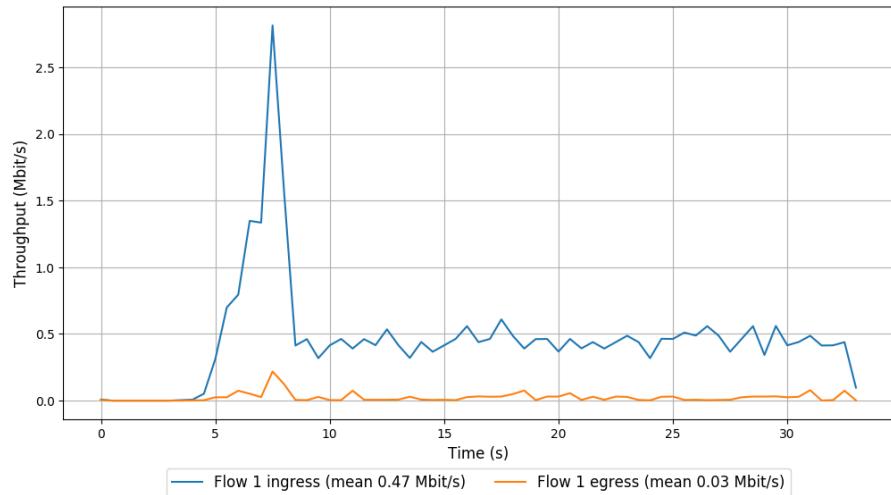


Run 6: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 01:03:03 +0000
End at: Fri, 16 Jun 2017 01:03:33 +0000
Local clock offset: 1.959 ms
Remote clock offset: 2.301 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:58:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 43.404 ms
Loss rate: 94.62%
-- Flow 1:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 43.404 ms
Loss rate: 94.62%
```

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Fri, 16 Jun 2017 01:21:26 +0000

End at: Fri, 16 Jun 2017 01:21:56 +0000

Local clock offset: -0.512 ms

Remote clock offset: 2.776 ms

Below is generated by plot.py at Fri, 16 Jun 2017 06:58:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 43.648 ms

Loss rate: 0.00%

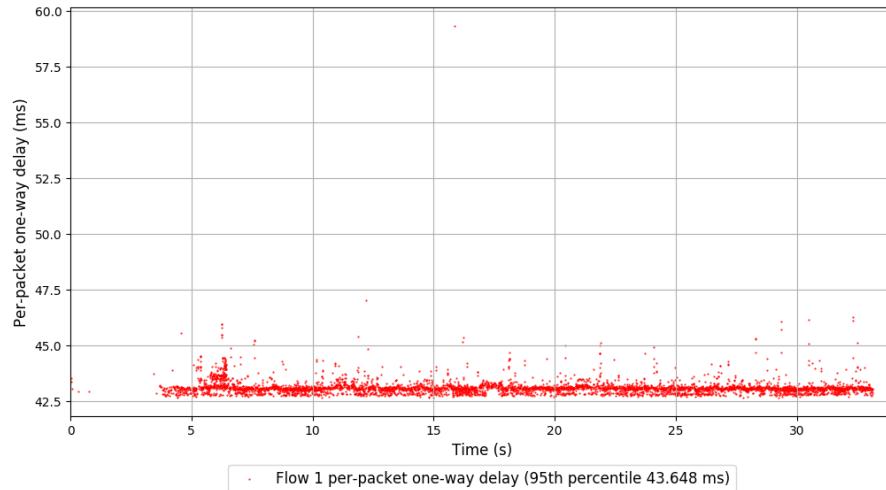
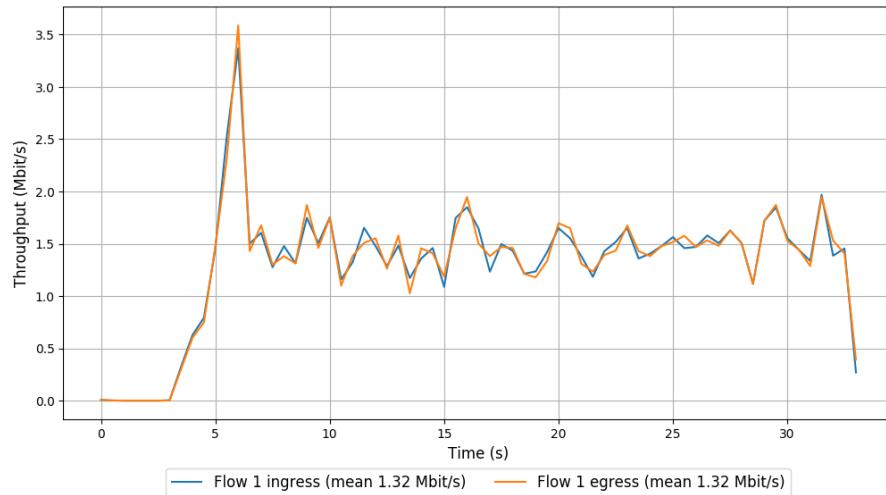
-- Flow 1:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 43.648 ms

Loss rate: 0.00%

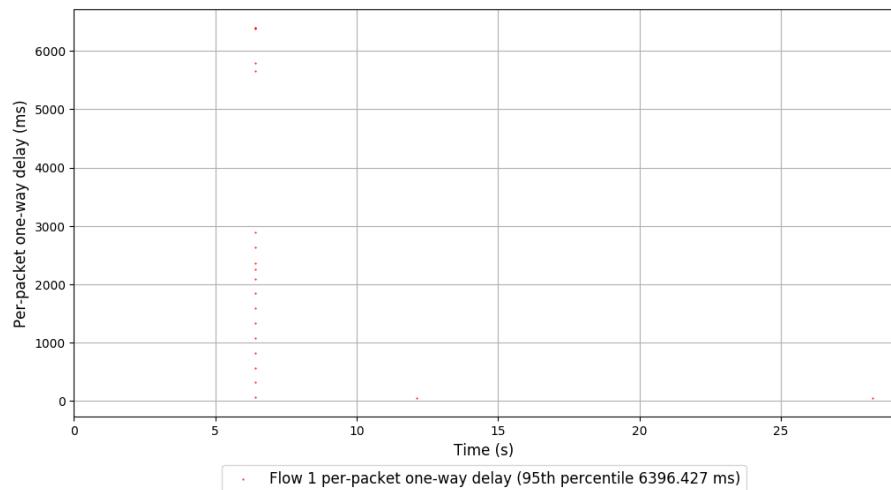
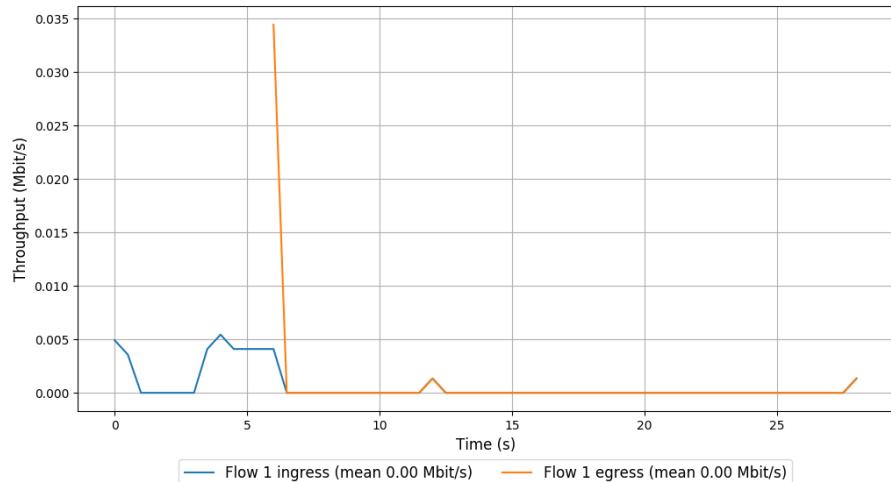
Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Fri, 16 Jun 2017 01:40:13 +0000
End at: Fri, 16 Jun 2017 01:40:43 +0000
Local clock offset: 0.715 ms
Remote clock offset: 1.68 ms

Run 8: Report of PCC — Data Link

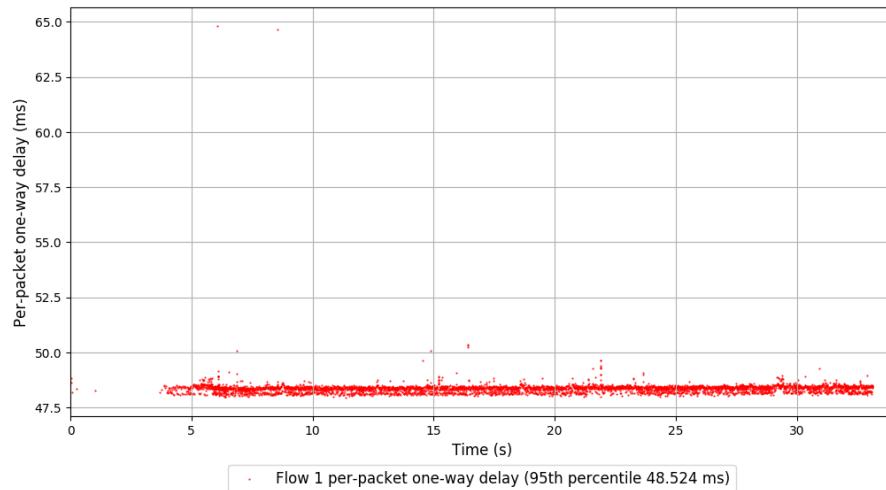
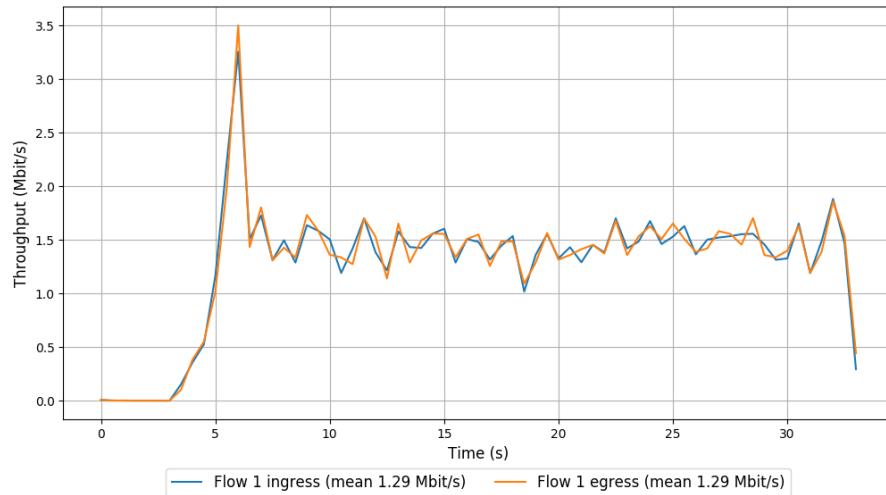


Run 9: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 01:59:17 +0000
End at: Fri, 16 Jun 2017 01:59:47 +0000
Local clock offset: 3.187 ms
Remote clock offset: 0.269 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:59:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 48.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 48.524 ms
Loss rate: 0.00%
```

Run 9: Report of PCC — Data Link

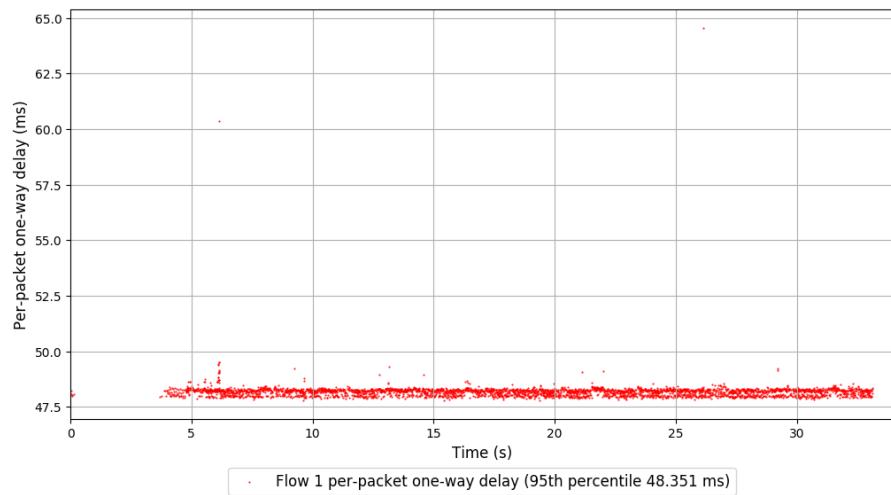
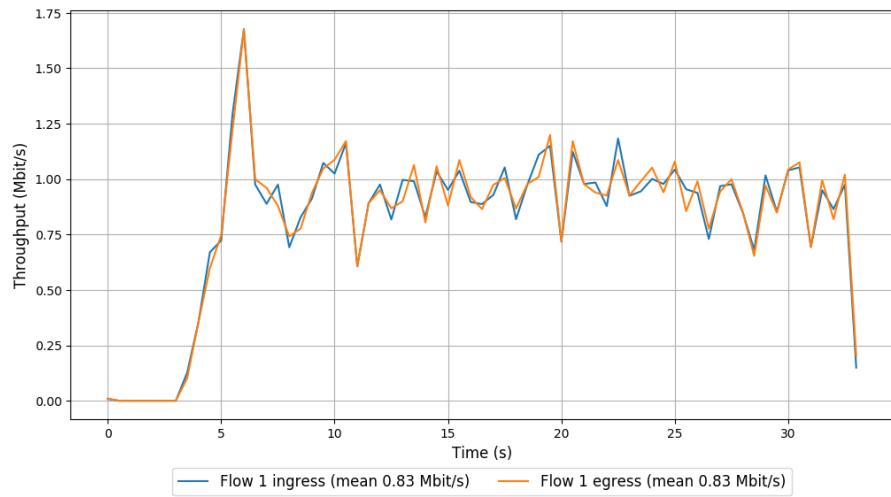


Run 10: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 02:18:19 +0000
End at: Fri, 16 Jun 2017 02:18:49 +0000
Local clock offset: 1.716 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:59:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 48.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 48.351 ms
Loss rate: 0.00%
```

Run 10: Report of PCC — Data Link

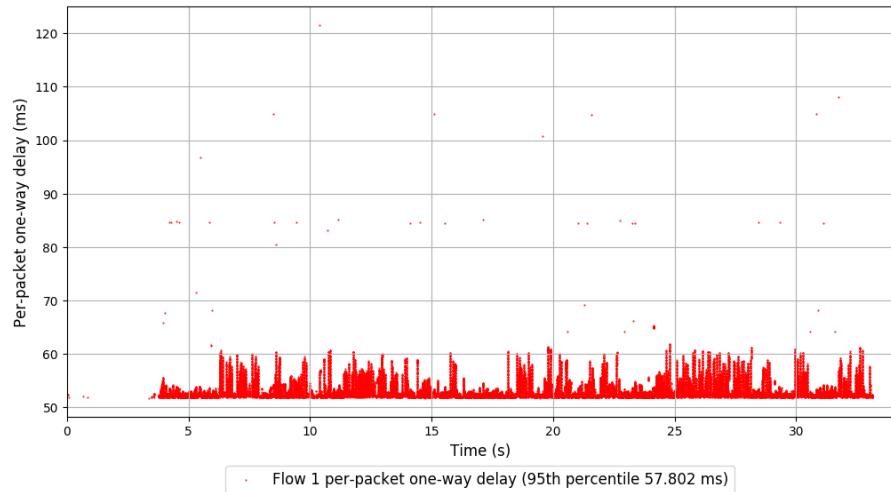
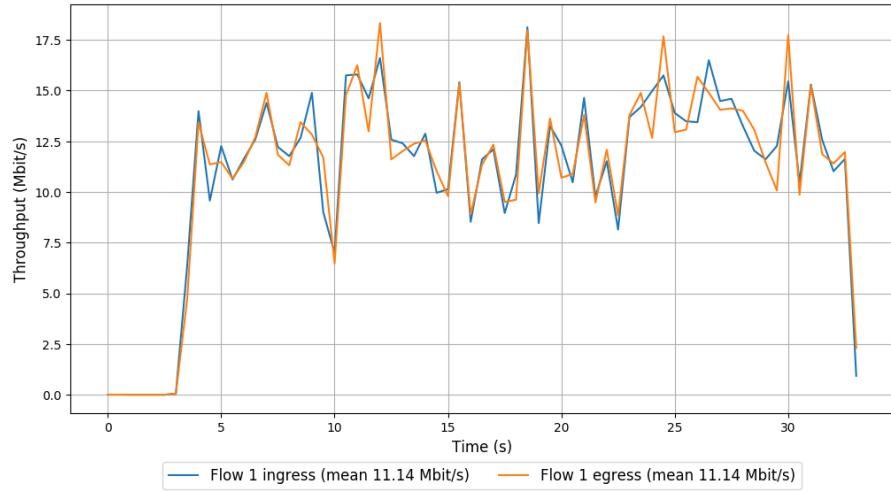


Run 1: Statistics of QUIC Cubic (toy)

```
Start at: Thu, 15 Jun 2017 23:28:20 +0000
End at: Thu, 15 Jun 2017 23:28:50 +0000
Local clock offset: 5.322 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:59:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 57.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 57.802 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic (toy) — Data Link

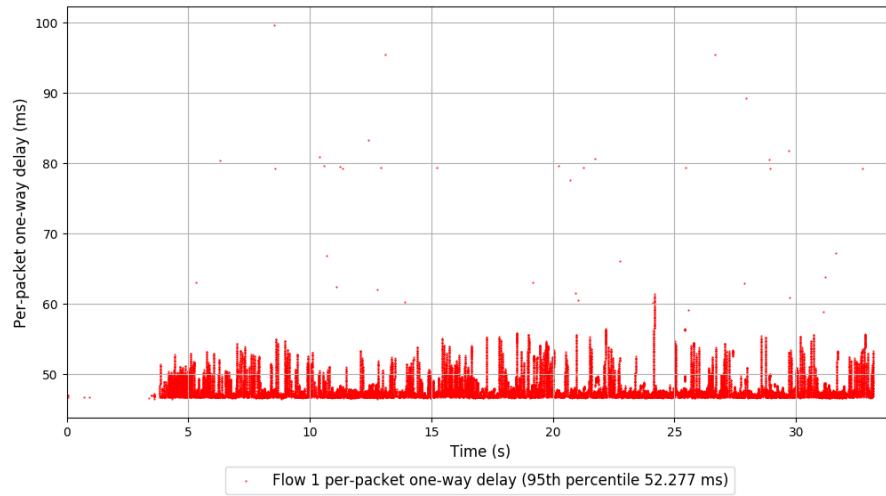
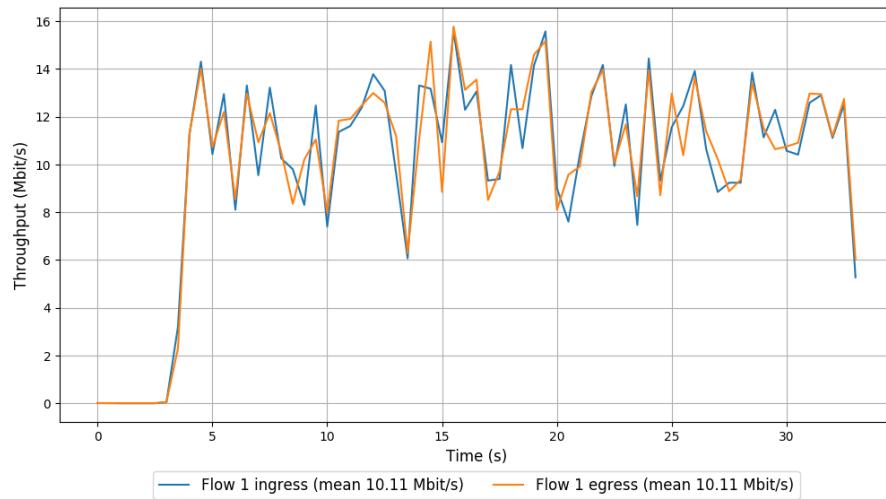


Run 2: Statistics of QUIC Cubic (toy)

```
Start at: Thu, 15 Jun 2017 23:47:11 +0000
End at: Thu, 15 Jun 2017 23:47:41 +0000
Local clock offset: 3.577 ms
Remote clock offset: -0.459 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:59:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 52.277 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 52.277 ms
Loss rate: 0.03%
```

Run 2: Report of QUIC Cubic (toy) — Data Link

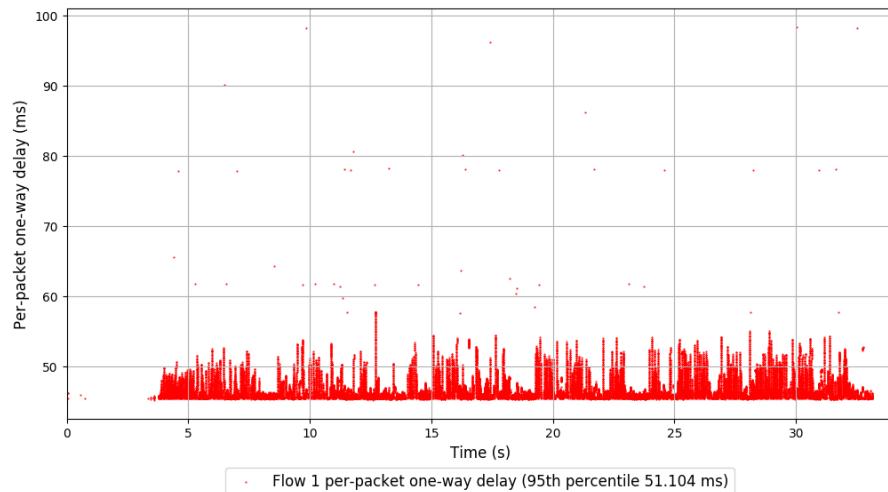
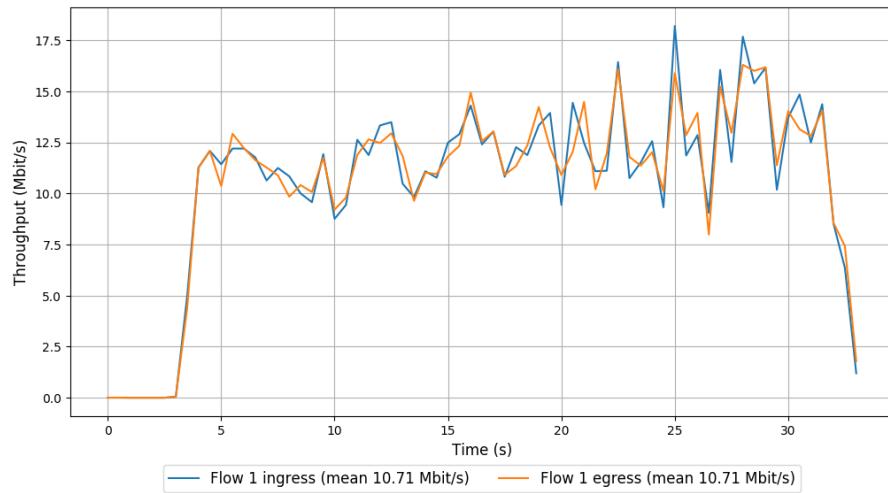


Run 3: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 00:05:44 +0000
End at: Fri, 16 Jun 2017 00:06:14 +0000
Local clock offset: 3.691 ms
Remote clock offset: 0.529 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:59:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 51.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 51.104 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic (toy) — Data Link

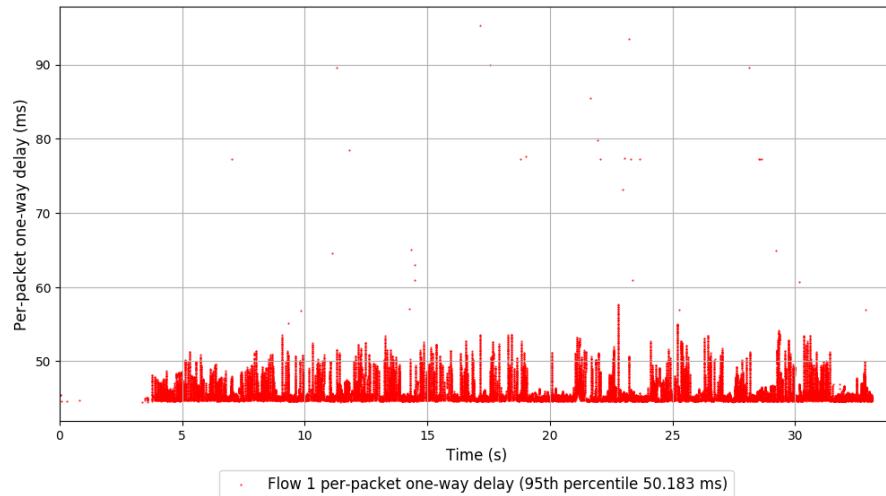
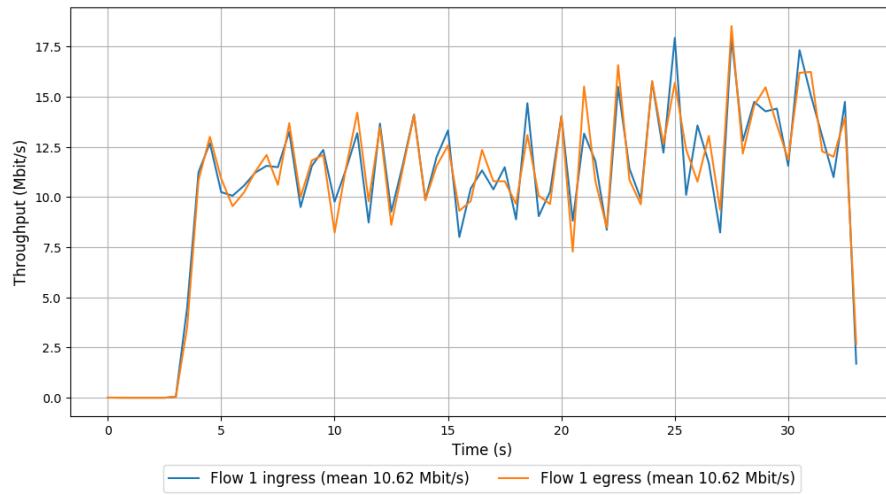


Run 4: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 00:24:49 +0000
End at: Fri, 16 Jun 2017 00:25:19 +0000
Local clock offset: 1.657 ms
Remote clock offset: 1.476 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:59:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 50.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.62 Mbit/s
95th percentile per-packet one-way delay: 50.183 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic (toy) — Data Link

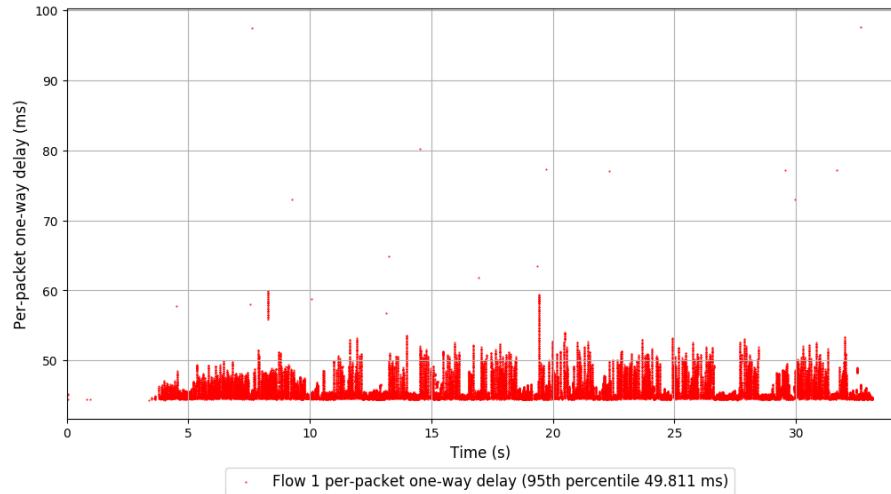
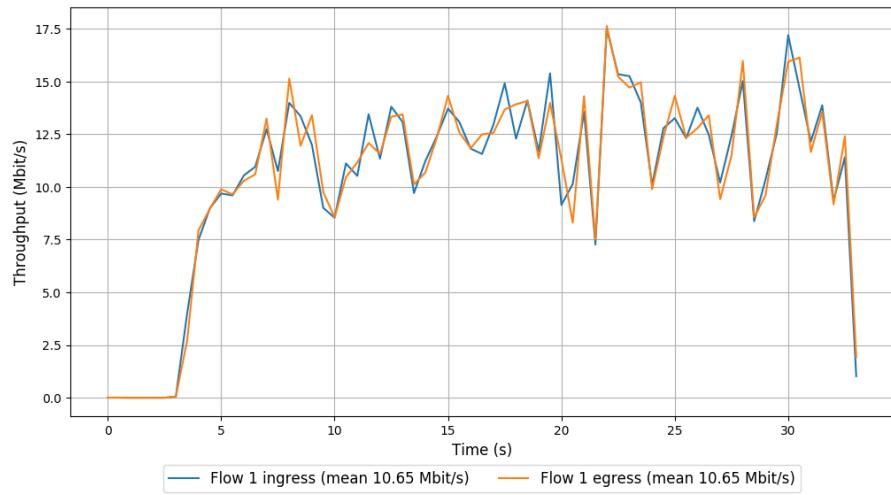


Run 5: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 00:43:45 +0000
End at: Fri, 16 Jun 2017 00:44:15 +0000
Local clock offset: 2.912 ms
Remote clock offset: 2.362 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:59:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 49.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 49.811 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic (toy) — Data Link

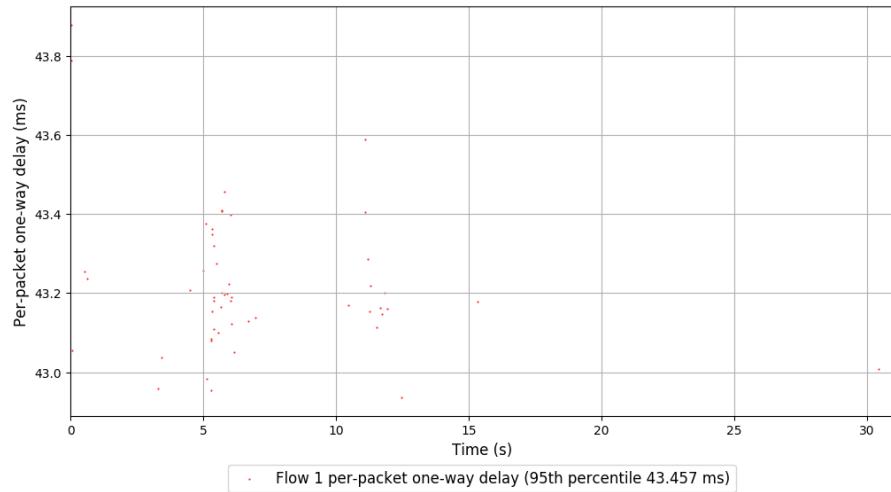
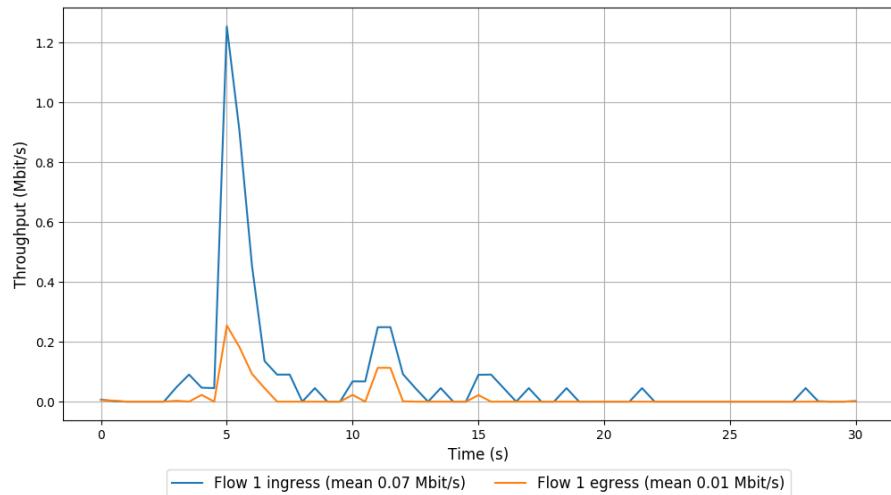


Run 6: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 01:01:53 +0000
End at: Fri, 16 Jun 2017 01:02:23 +0000
Local clock offset: -2.484 ms
Remote clock offset: 2.45 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 06:59:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 43.457 ms
Loss rate: 80.11%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 43.457 ms
Loss rate: 80.11%
```

Run 6: Report of QUIC Cubic (toy) — Data Link



Run 7: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 01:20:15 +0000

End at: Fri, 16 Jun 2017 01:20:45 +0000

Local clock offset: -0.906 ms

Remote clock offset: 1.672 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:00:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.96 Mbit/s

95th percentile per-packet one-way delay: 46.892 ms

Loss rate: 0.00%

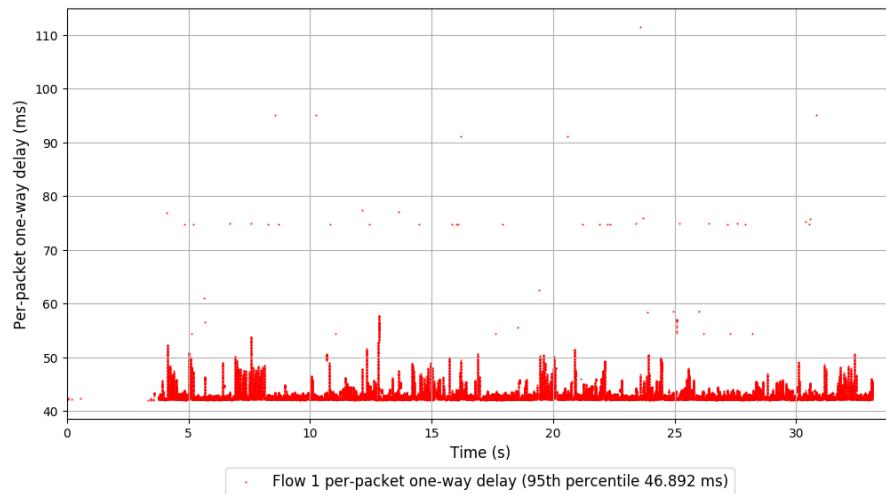
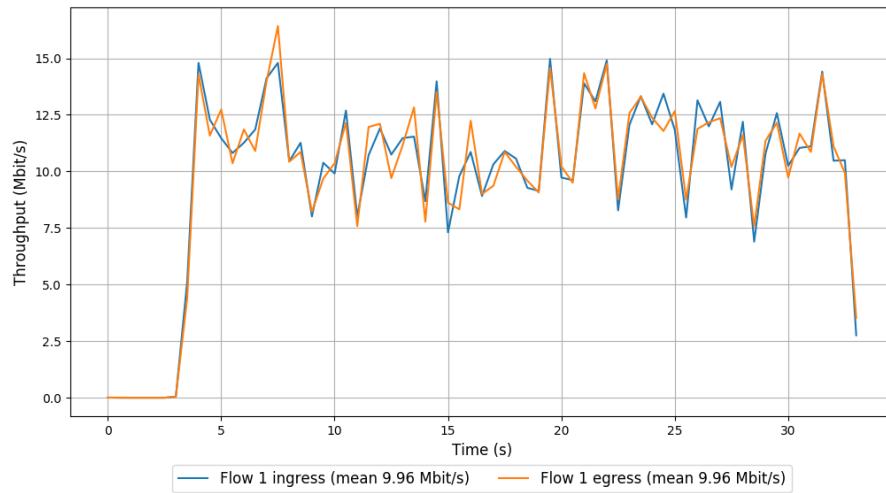
-- Flow 1:

Average throughput: 9.96 Mbit/s

95th percentile per-packet one-way delay: 46.892 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic (toy) — Data Link

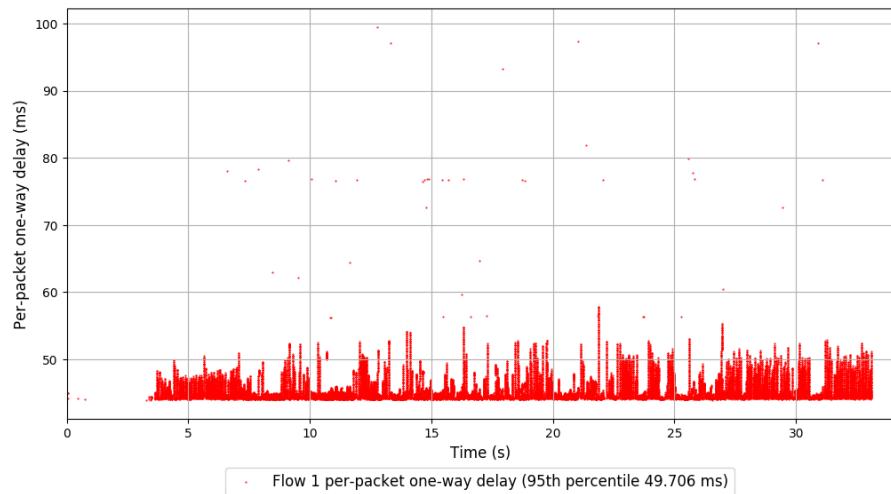
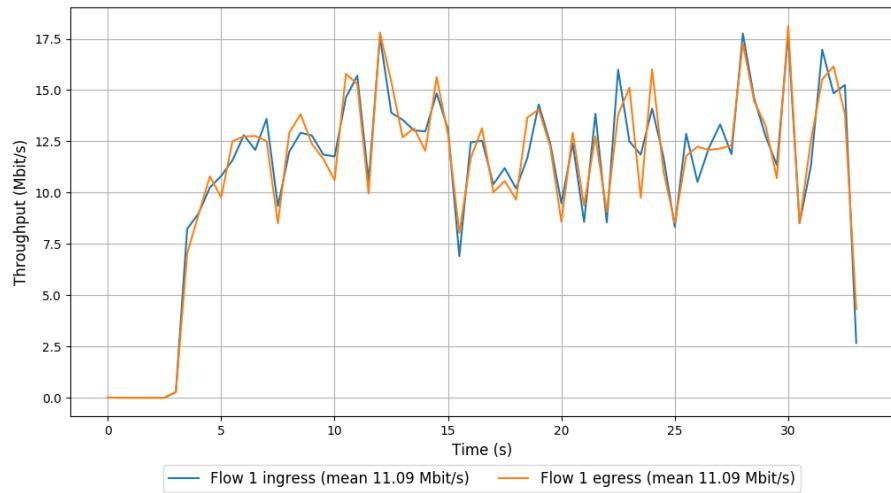


Run 8: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 01:39:01 +0000
End at: Fri, 16 Jun 2017 01:39:31 +0000
Local clock offset: 0.4 ms
Remote clock offset: 1.147 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:00:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 49.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 49.706 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic (toy) — Data Link

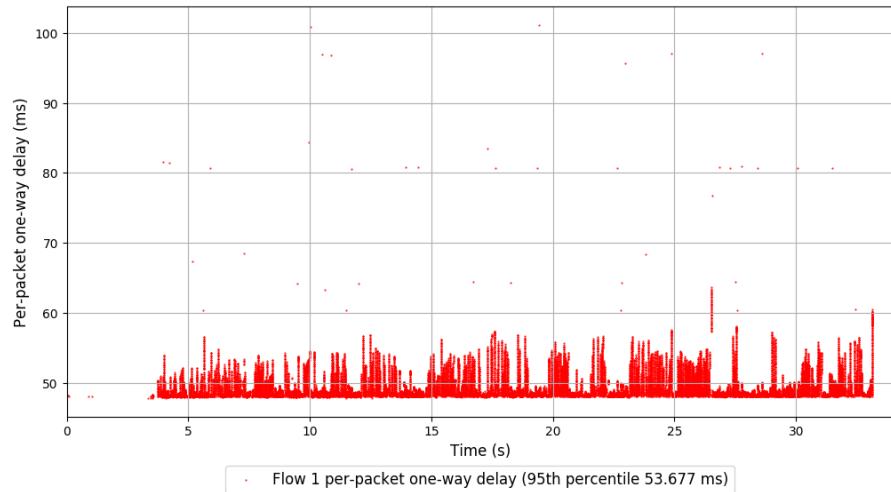
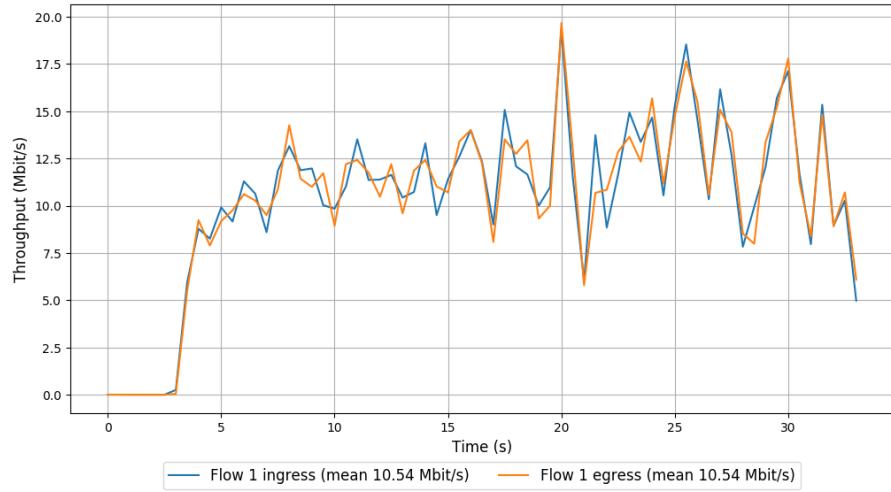


Run 9: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 01:58:05 +0000
End at: Fri, 16 Jun 2017 01:58:35 +0000
Local clock offset: 3.4 ms
Remote clock offset: 0.326 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:00:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 53.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 53.677 ms
Loss rate: 0.00%
```

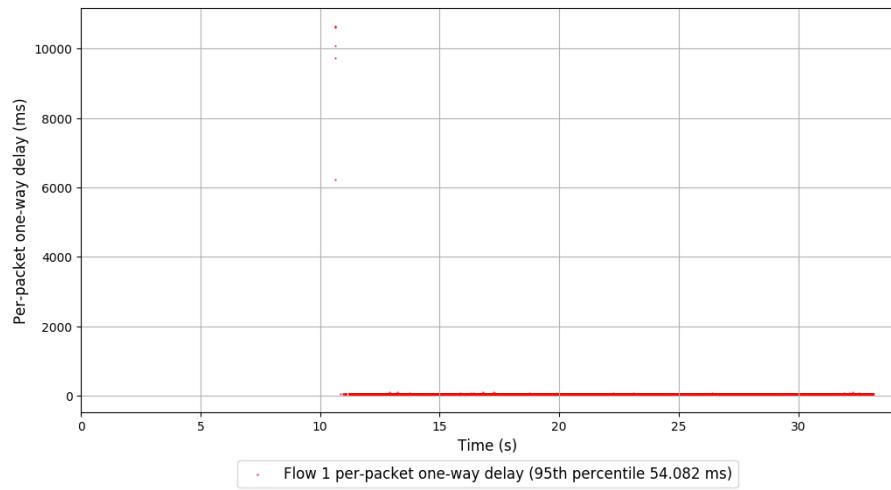
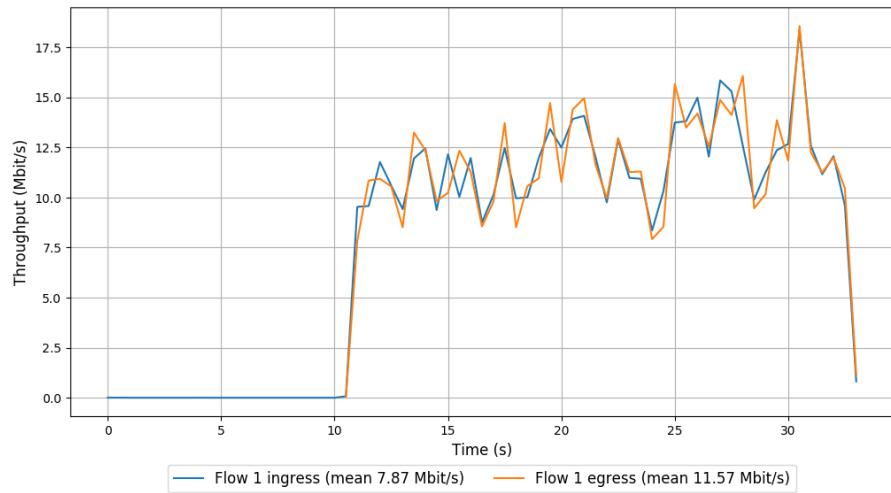
Run 9: Report of QUIC Cubic (toy) — Data Link



Run 10: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 02:17:08 +0000
End at: Fri, 16 Jun 2017 02:17:38 +0000
Local clock offset: 4.063 ms
Remote clock offset: -0.668 ms

Run 10: Report of QUIC Cubic (toy) — Data Link



Run 1: Statistics of Saturator

Start at: Thu, 15 Jun 2017 23:14:33 +0000

End at: Thu, 15 Jun 2017 23:15:03 +0000

Local clock offset: 1.488 ms

Remote clock offset: 0.354 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:00:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.34 Mbit/s

95th percentile per-packet one-way delay: 56.409 ms

Loss rate: 0.09%

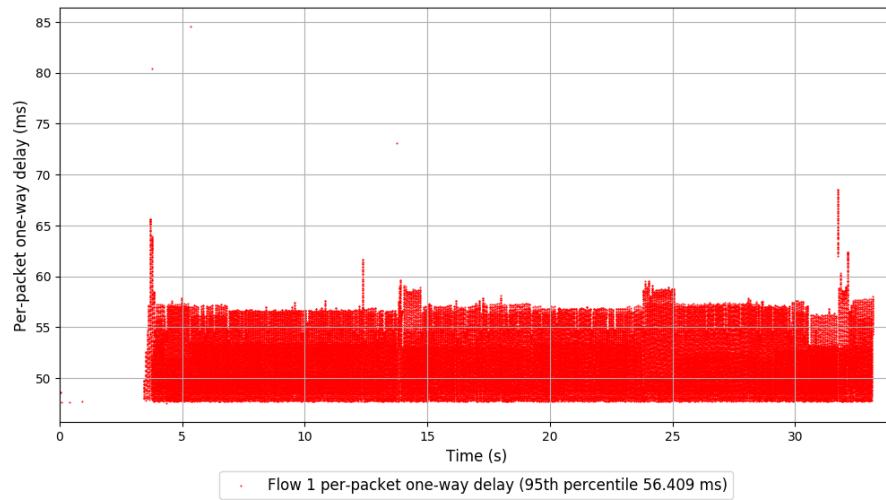
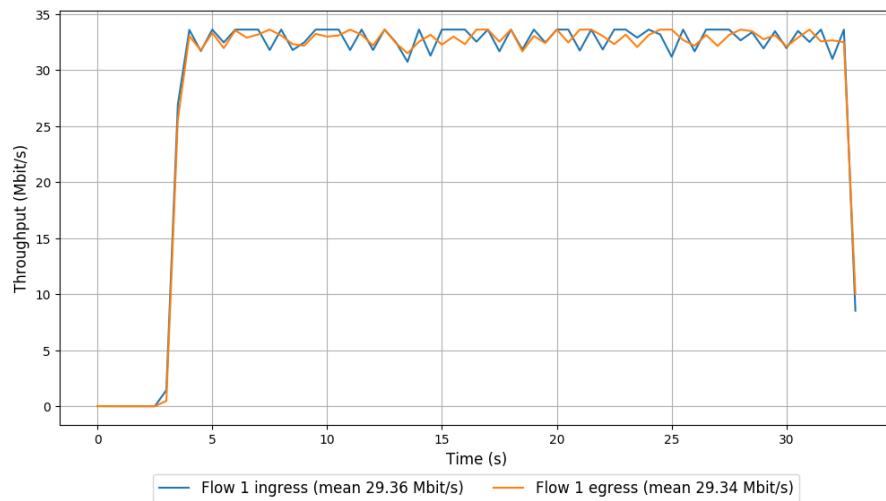
-- Flow 1:

Average throughput: 29.34 Mbit/s

95th percentile per-packet one-way delay: 56.409 ms

Loss rate: 0.09%

Run 1: Report of Saturator — Data Link

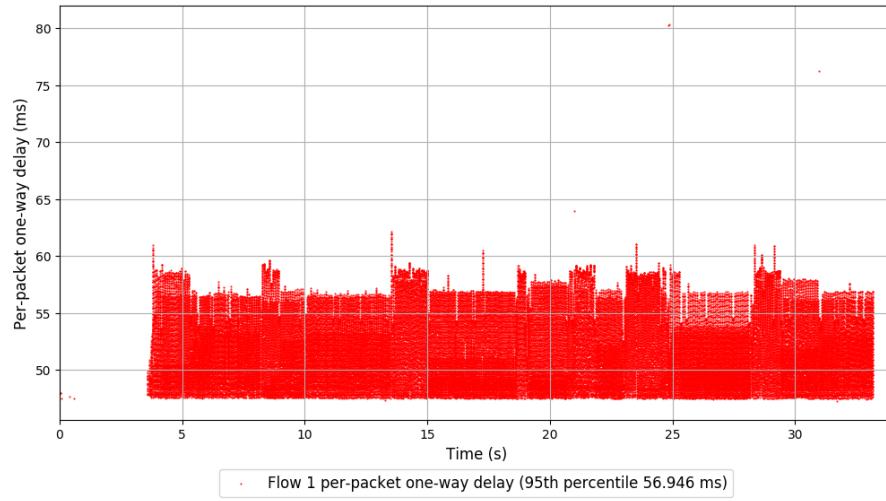
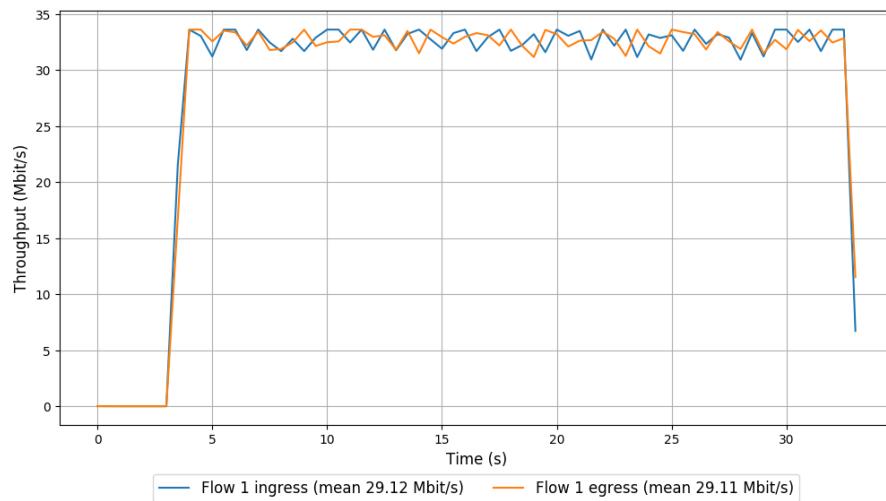


Run 2: Statistics of Saturator

```
Start at: Thu, 15 Jun 2017 23:33:18 +0000
End at: Thu, 15 Jun 2017 23:33:48 +0000
Local clock offset: 1.569 ms
Remote clock offset: -0.685 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:00:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: 56.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.11 Mbit/s
95th percentile per-packet one-way delay: 56.946 ms
Loss rate: 0.00%
```

Run 2: Report of Saturator — Data Link

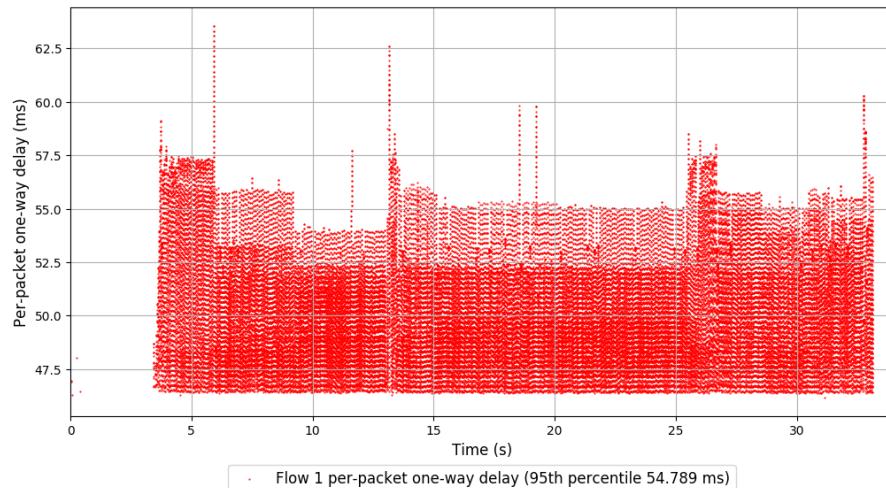
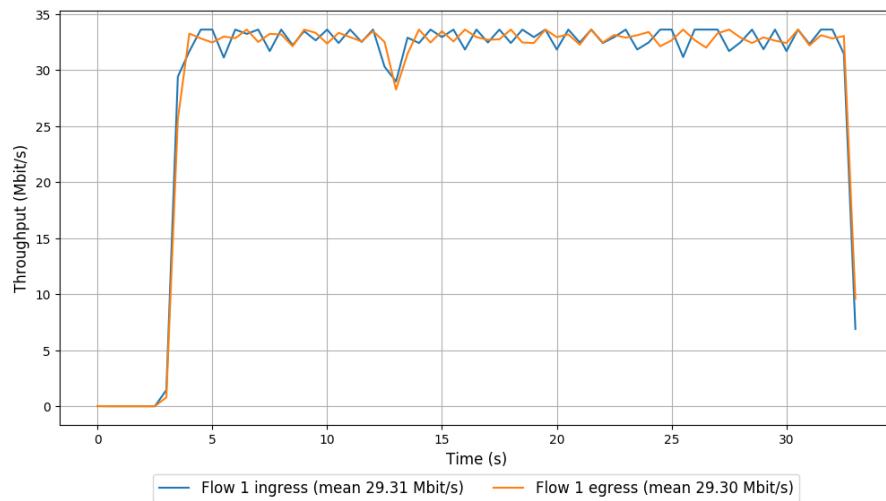


Run 3: Statistics of Saturator

```
Start at: Thu, 15 Jun 2017 23:51:57 +0000
End at: Thu, 15 Jun 2017 23:52:27 +0000
Local clock offset: 6.35 ms
Remote clock offset: 0.445 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:01:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 54.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 54.789 ms
Loss rate: 0.00%
```

Run 3: Report of Saturator — Data Link

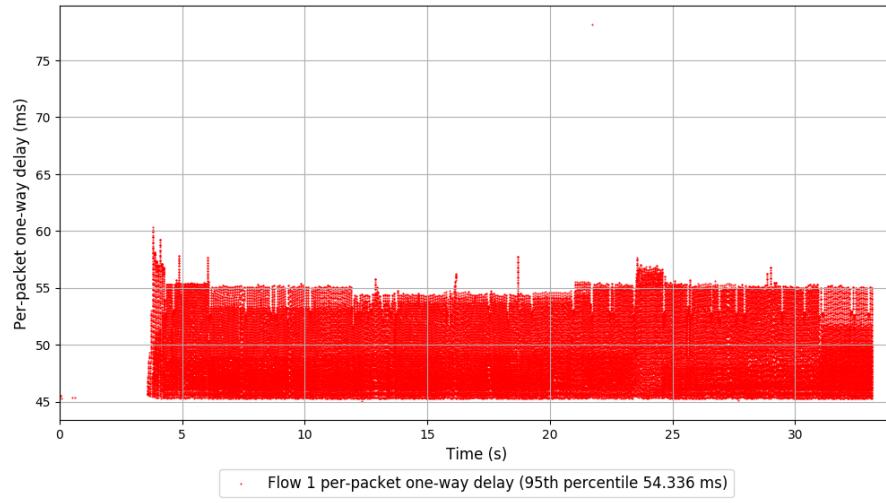
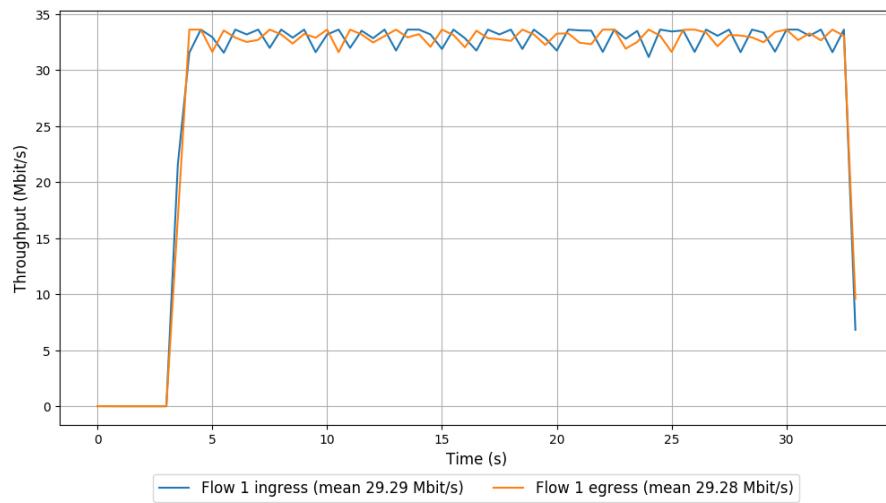


Run 4: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 00:10:39 +0000
End at: Fri, 16 Jun 2017 00:11:09 +0000
Local clock offset: 0.823 ms
Remote clock offset: 0.615 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:01:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 54.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 54.336 ms
Loss rate: 0.00%
```

Run 4: Report of Saturator — Data Link

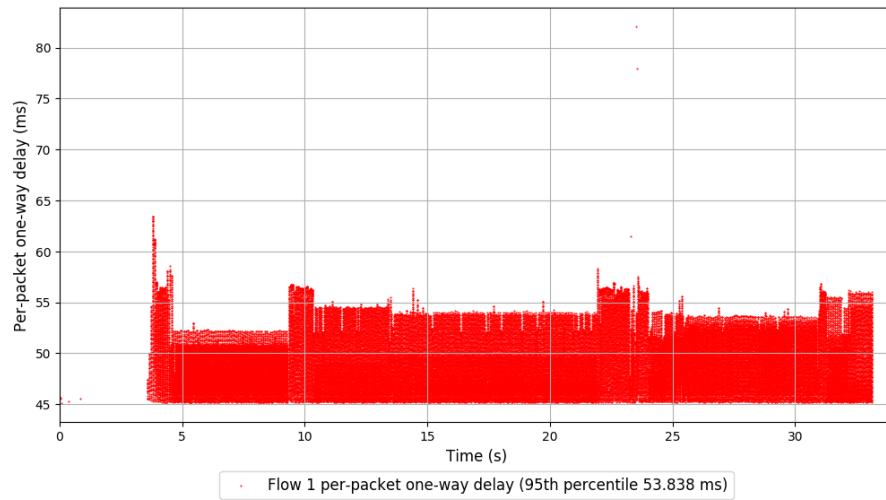
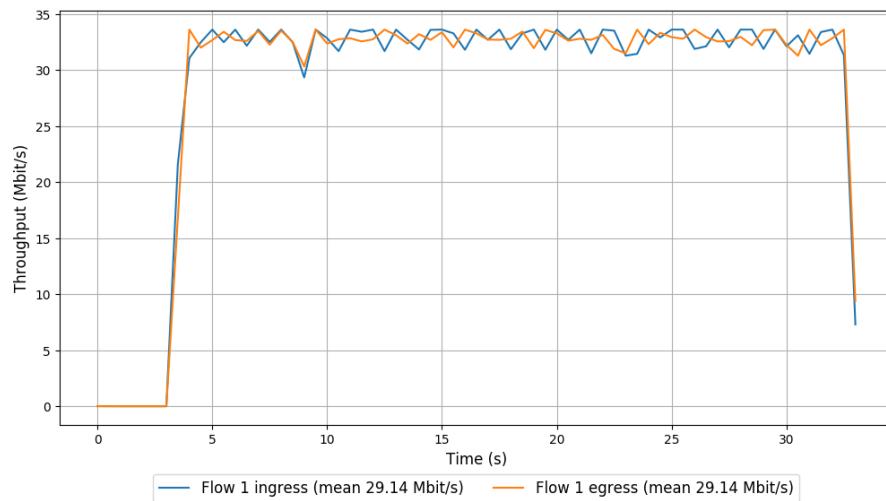


Run 5: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 00:29:40 +0000
End at: Fri, 16 Jun 2017 00:30:10 +0000
Local clock offset: 3.865 ms
Remote clock offset: 1.706 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:01:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 53.838 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 53.838 ms
Loss rate: 0.02%
```

Run 5: Report of Saturator — Data Link

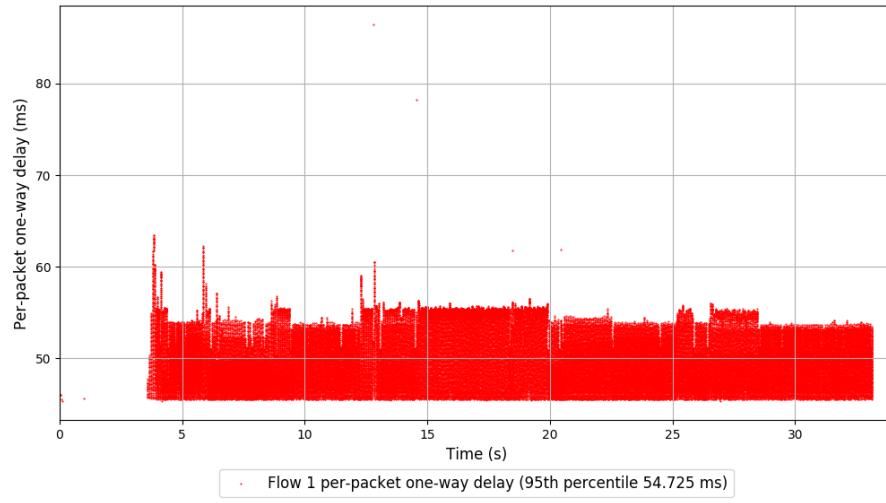
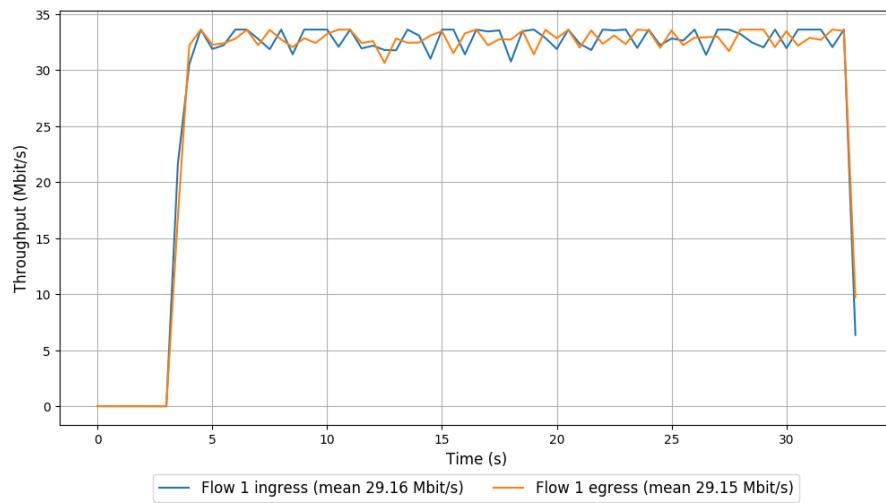


Run 6: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 00:48:37 +0000
End at: Fri, 16 Jun 2017 00:49:07 +0000
Local clock offset: 0.854 ms
Remote clock offset: 2.121 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:01:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 54.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 54.725 ms
Loss rate: 0.00%
```

Run 6: Report of Saturator — Data Link

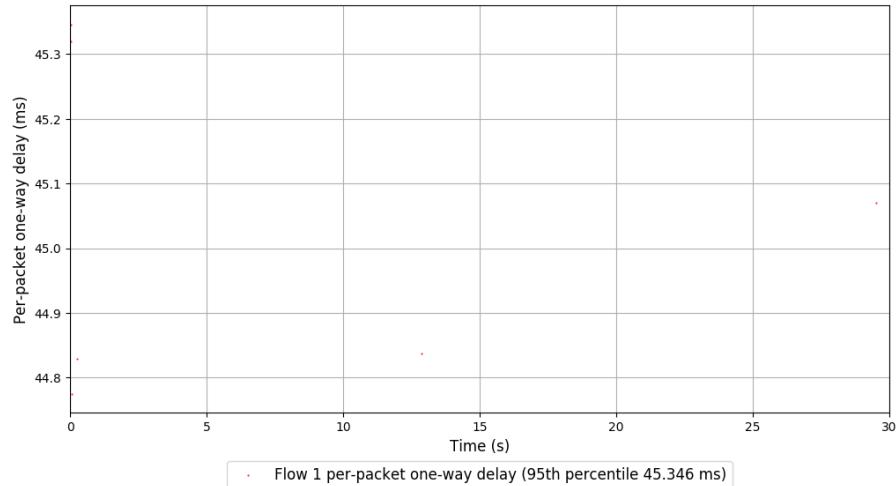
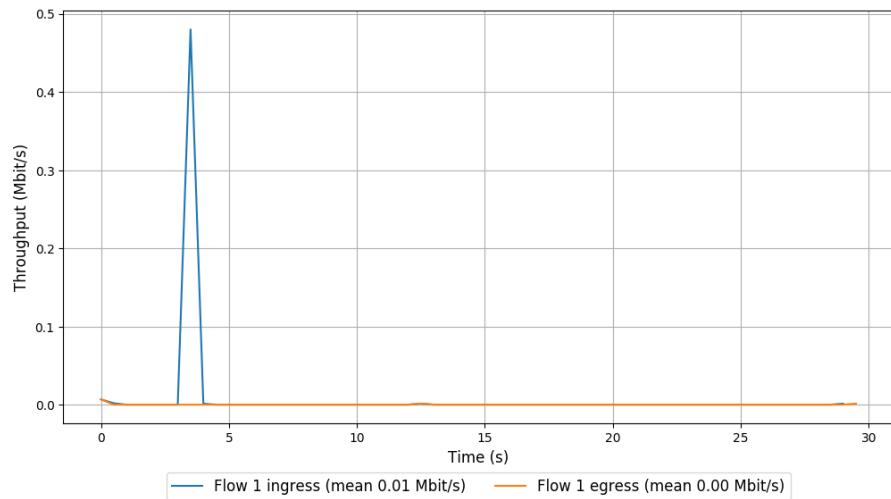


Run 7: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 01:06:42 +0000
End at: Fri, 16 Jun 2017 01:07:12 +0000
Local clock offset: 2.629 ms
Remote clock offset: 2.694 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:01:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 45.346 ms
Loss rate: 98.09%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 45.346 ms
Loss rate: 98.09%
```

Run 7: Report of Saturator — Data Link

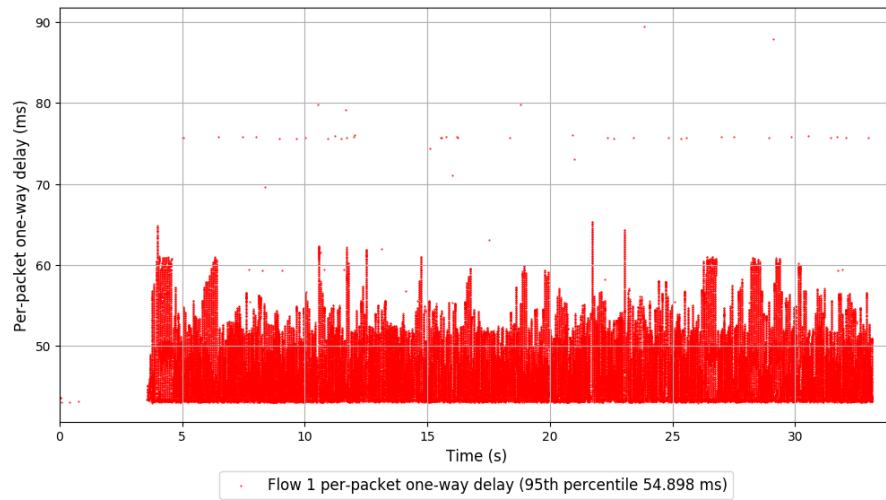
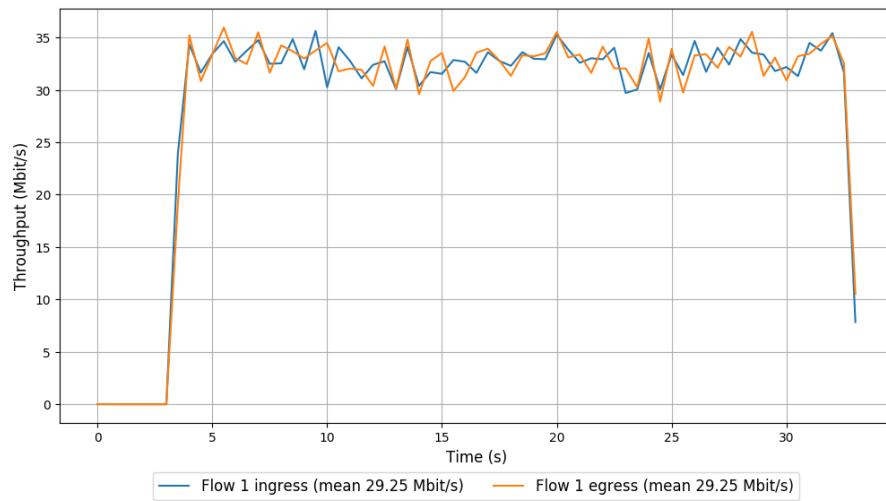


Run 8: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 01:25:05 +0000
End at: Fri, 16 Jun 2017 01:25:35 +0000
Local clock offset: 1.154 ms
Remote clock offset: 2.953 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:01:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 54.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 54.898 ms
Loss rate: 0.00%
```

Run 8: Report of Saturator — Data Link

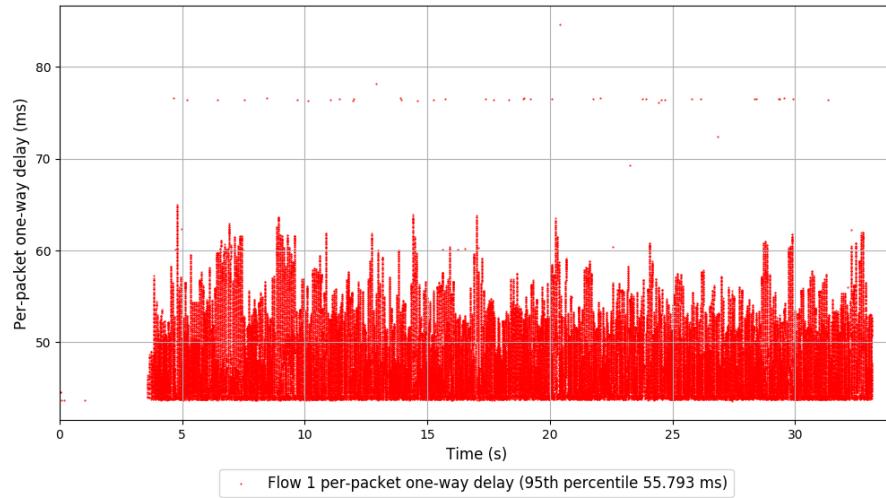
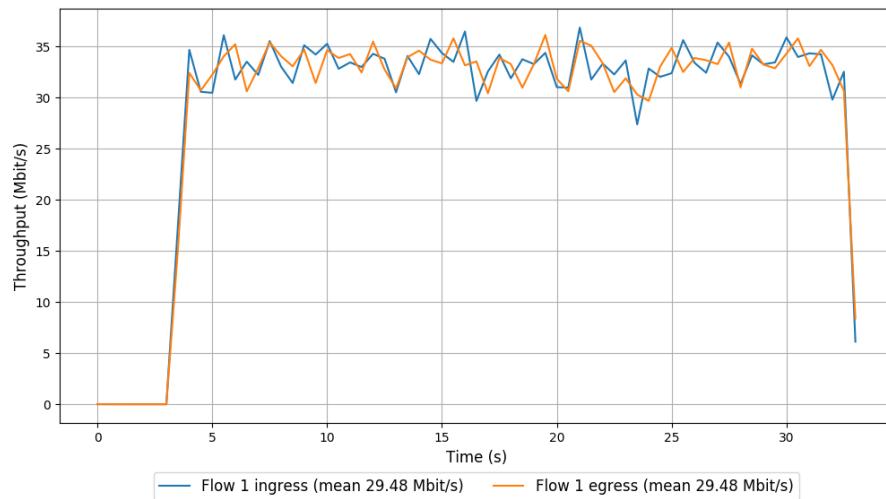


Run 9: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 01:43:51 +0000
End at: Fri, 16 Jun 2017 01:44:21 +0000
Local clock offset: 1.351 ms
Remote clock offset: 0.712 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:01:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 55.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 55.793 ms
Loss rate: 0.00%
```

Run 9: Report of Saturator — Data Link

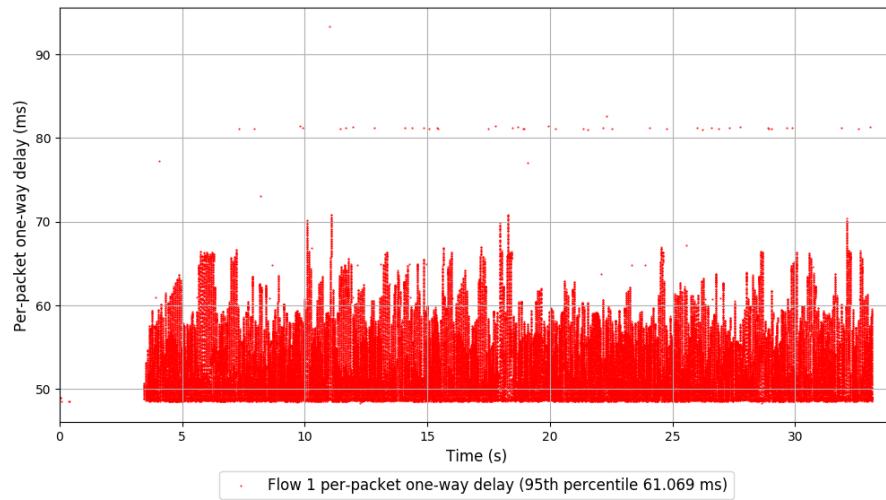
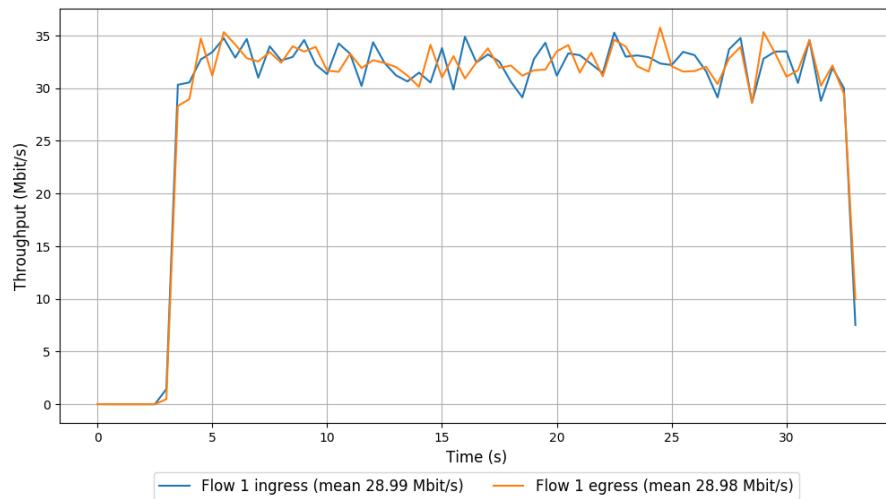


Run 10: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 02:02:55 +0000
End at: Fri, 16 Jun 2017 02:03:26 +0000
Local clock offset: 6.265 ms
Remote clock offset: 0.309 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 61.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 61.069 ms
Loss rate: 0.00%
```

Run 10: Report of Saturator — Data Link

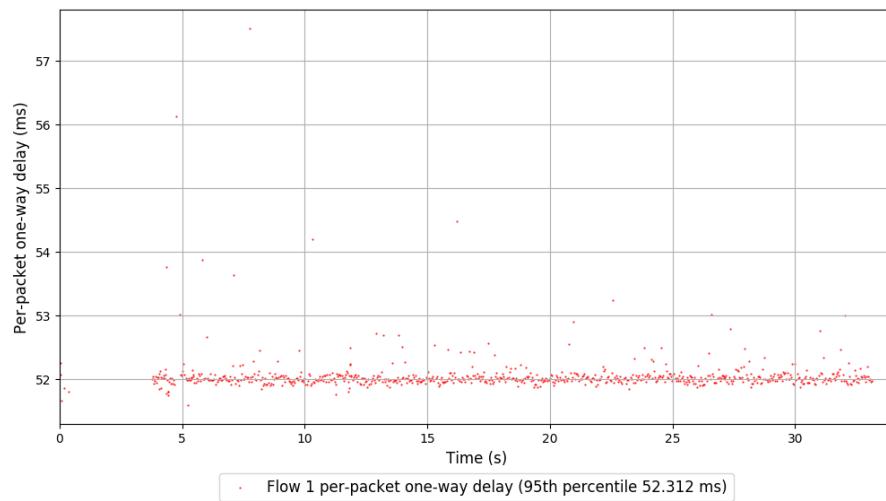
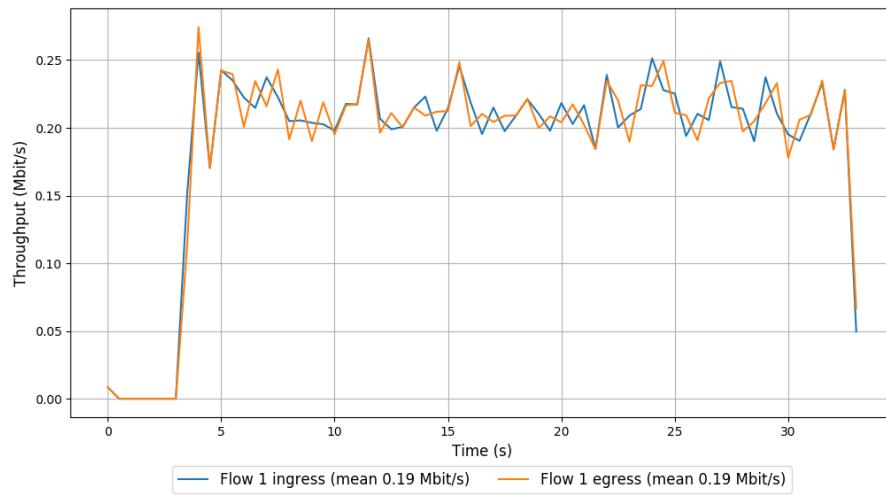


Run 1: Statistics of SCReAM

```
Start at: Thu, 15 Jun 2017 23:22:17 +0000
End at: Thu, 15 Jun 2017 23:22:47 +0000
Local clock offset: 5.532 ms
Remote clock offset: -0.648 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 52.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 52.312 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

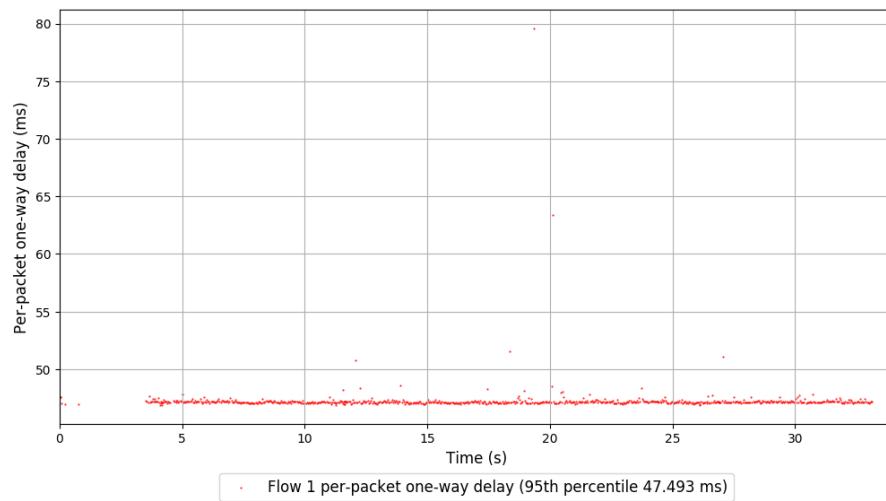
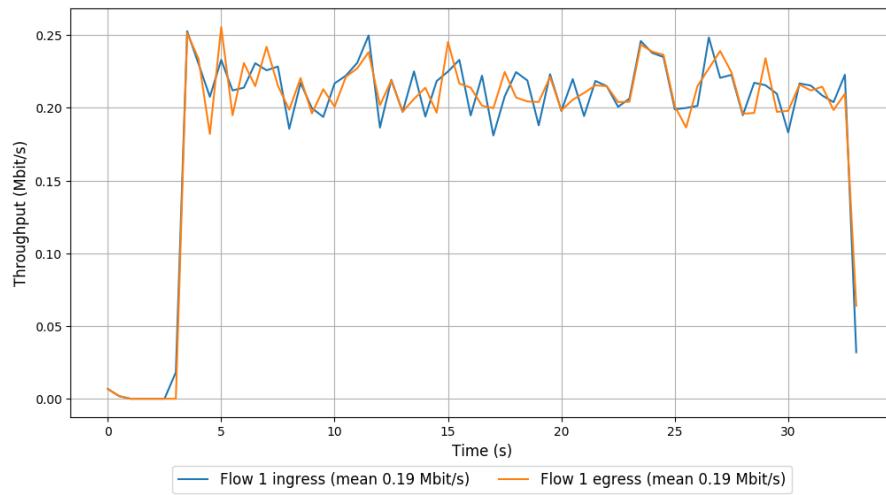


Run 2: Statistics of SCReAM

```
Start at: Thu, 15 Jun 2017 23:41:01 +0000
End at: Thu, 15 Jun 2017 23:41:31 +0000
Local clock offset: 2.35 ms
Remote clock offset: 0.12 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 47.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 47.493 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

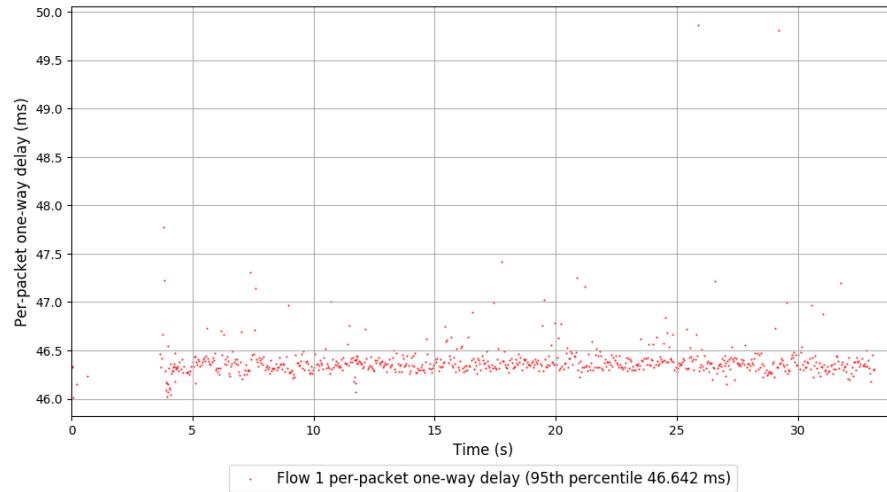
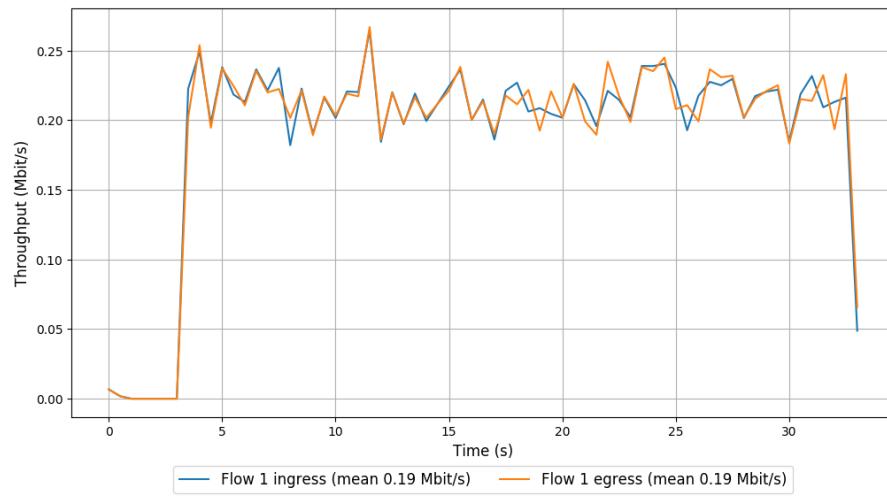


Run 3: Statistics of SCReAM

```
Start at: Thu, 15 Jun 2017 23:59:44 +0000
End at: Fri, 16 Jun 2017 00:00:14 +0000
Local clock offset: 1.876 ms
Remote clock offset: 0.875 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 46.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 46.642 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

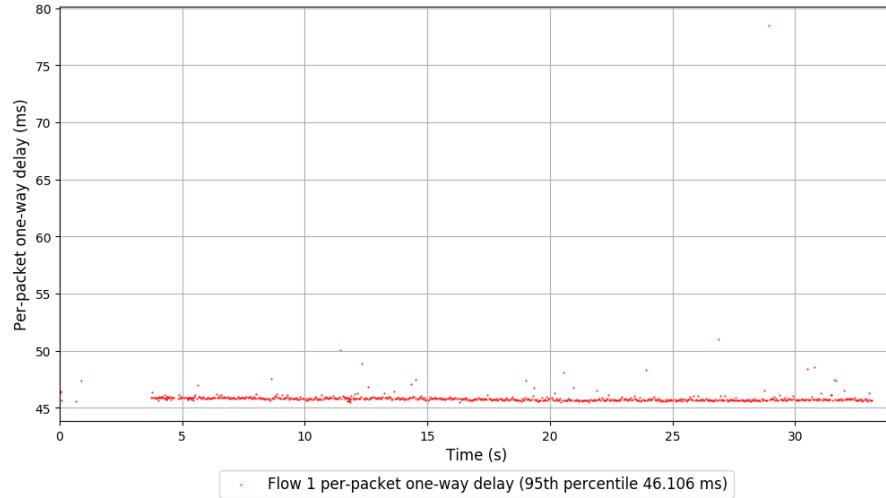
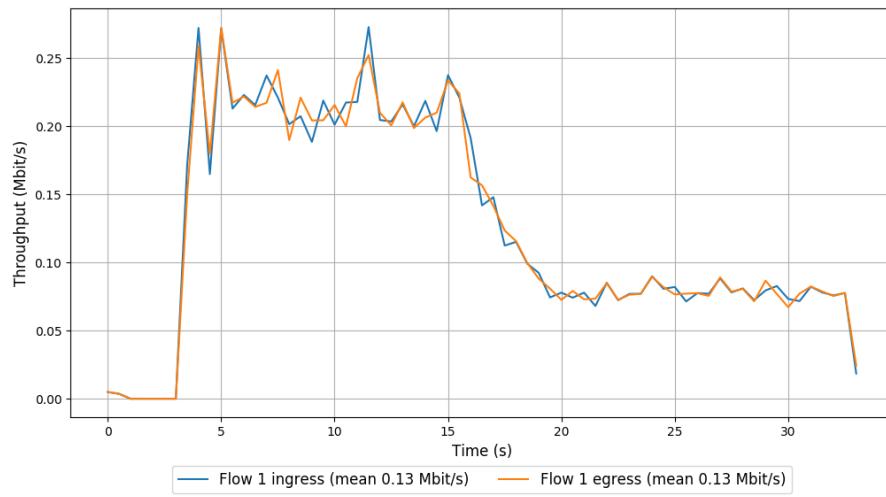


Run 4: Statistics of SCReAM

```
Start at: Fri, 16 Jun 2017 00:18:35 +0000
End at: Fri, 16 Jun 2017 00:19:06 +0000
Local clock offset: 1.852 ms
Remote clock offset: 1.161 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 46.106 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 46.106 ms
Loss rate: 0.21%
```

Run 4: Report of SCReAM — Data Link

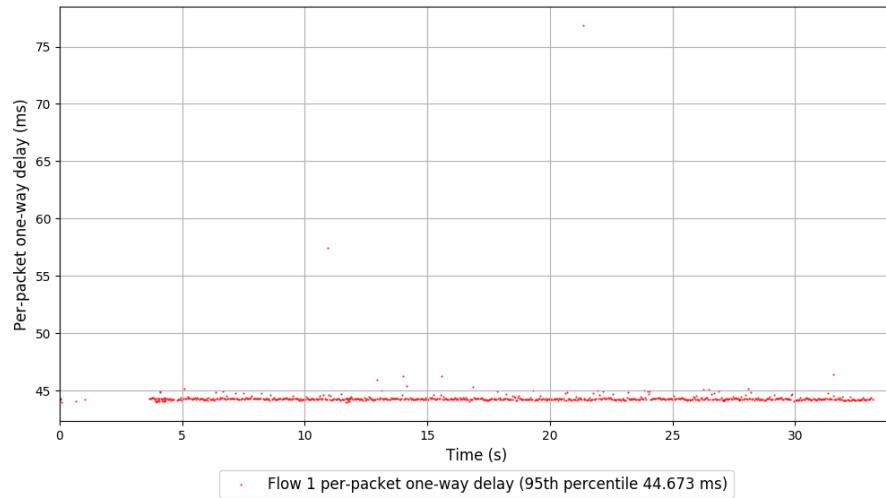
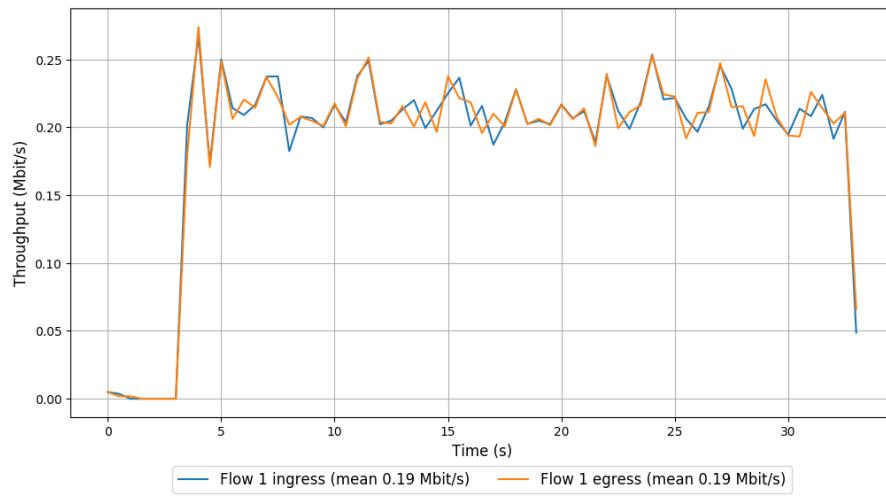


Run 5: Statistics of SCReAM

```
Start at: Fri, 16 Jun 2017 00:37:40 +0000
End at: Fri, 16 Jun 2017 00:38:10 +0000
Local clock offset: 4.181 ms
Remote clock offset: 2.245 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 44.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 44.673 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

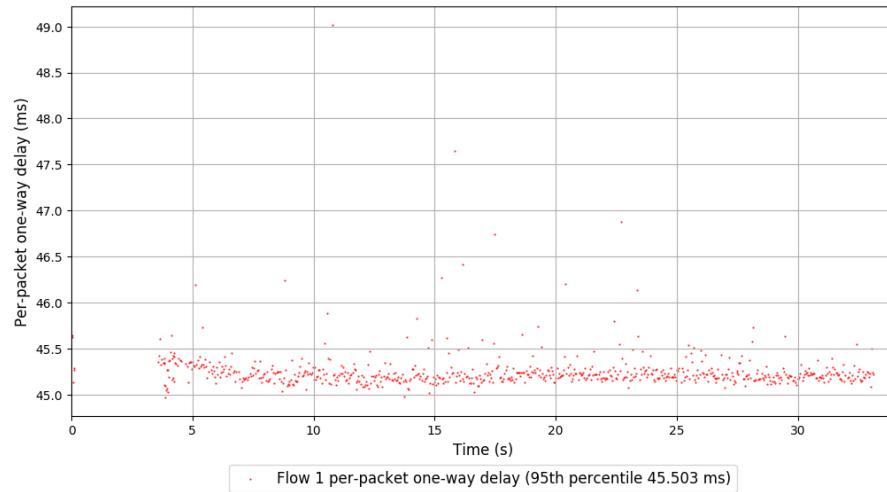
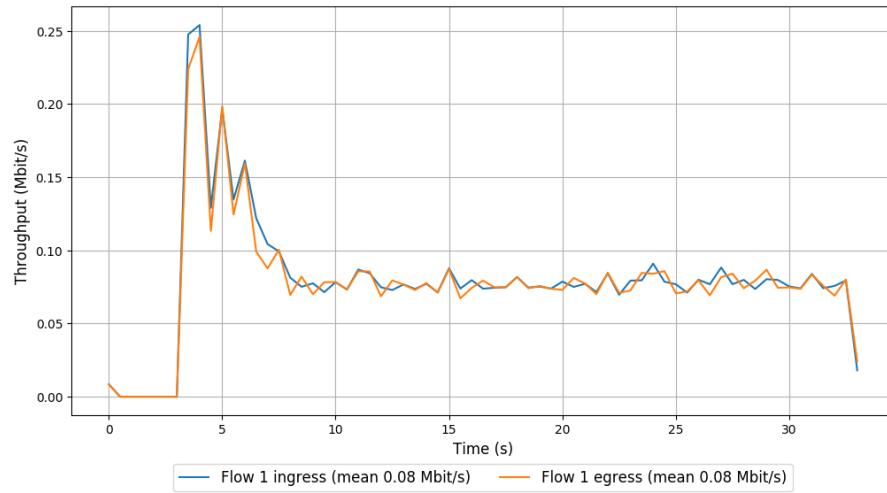


Run 6: Statistics of SCReAM

```
Start at: Fri, 16 Jun 2017 00:56:02 +0000
End at: Fri, 16 Jun 2017 00:56:32 +0000
Local clock offset: 0.655 ms
Remote clock offset: 2.605 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 45.503 ms
Loss rate: 2.25%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 45.503 ms
Loss rate: 2.25%
```

Run 6: Report of SCReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 01:14:15 +0000

End at: Fri, 16 Jun 2017 01:14:46 +0000

Local clock offset: 2.155 ms

Remote clock offset: 1.983 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:02:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 44.780 ms

Loss rate: 3.11%

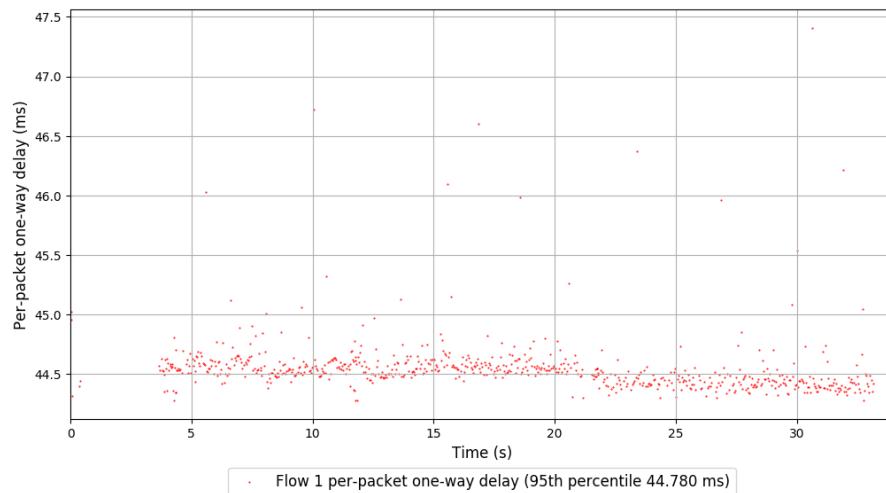
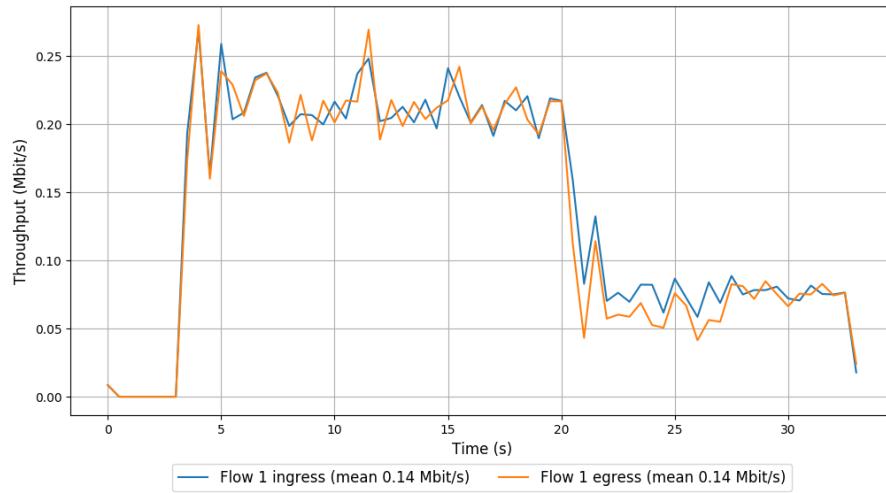
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 44.780 ms

Loss rate: 3.11%

Run 7: Report of SCReAM — Data Link

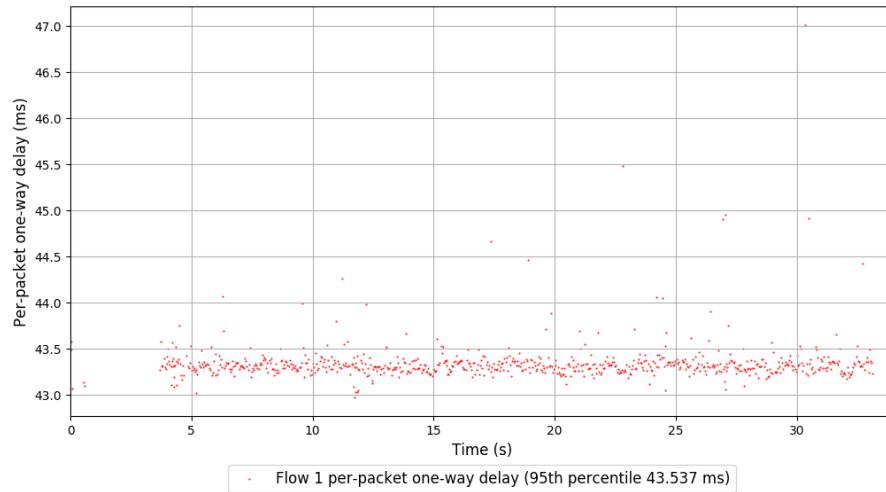
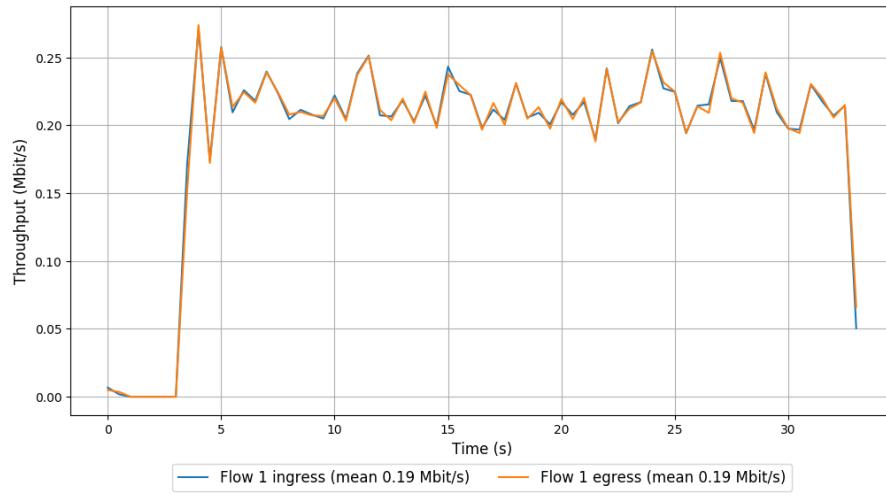


Run 8: Statistics of SCReAM

```
Start at: Fri, 16 Jun 2017 01:32:58 +0000
End at: Fri, 16 Jun 2017 01:33:28 +0000
Local clock offset: 0.51 ms
Remote clock offset: 1.474 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 43.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 43.537 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

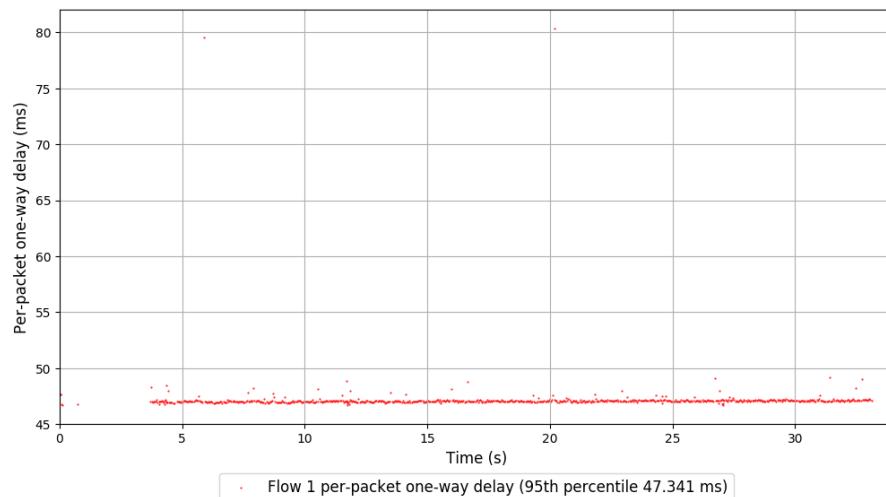
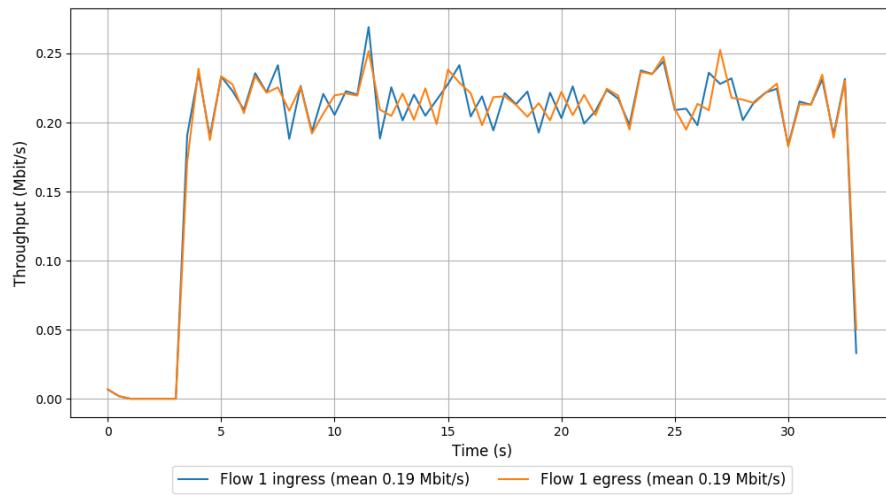


Run 9: Statistics of SCReAM

```
Start at: Fri, 16 Jun 2017 01:51:55 +0000
End at: Fri, 16 Jun 2017 01:52:25 +0000
Local clock offset: 3.334 ms
Remote clock offset: 0.343 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 47.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 47.341 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

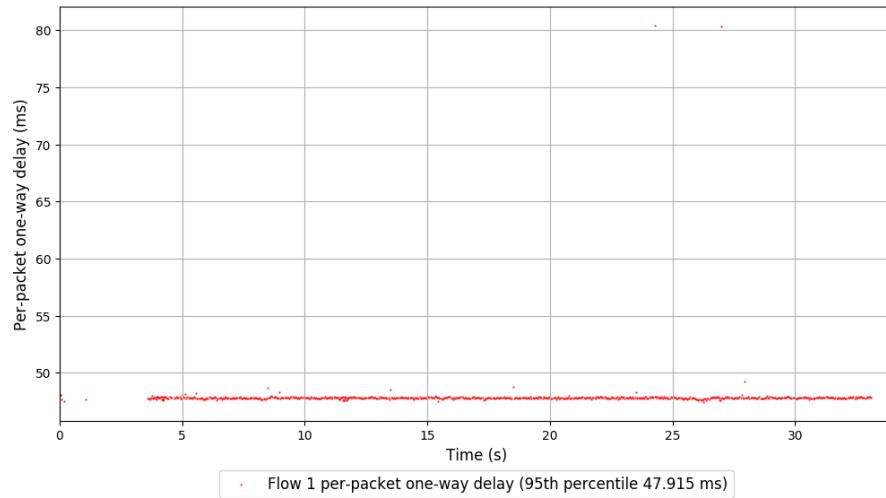
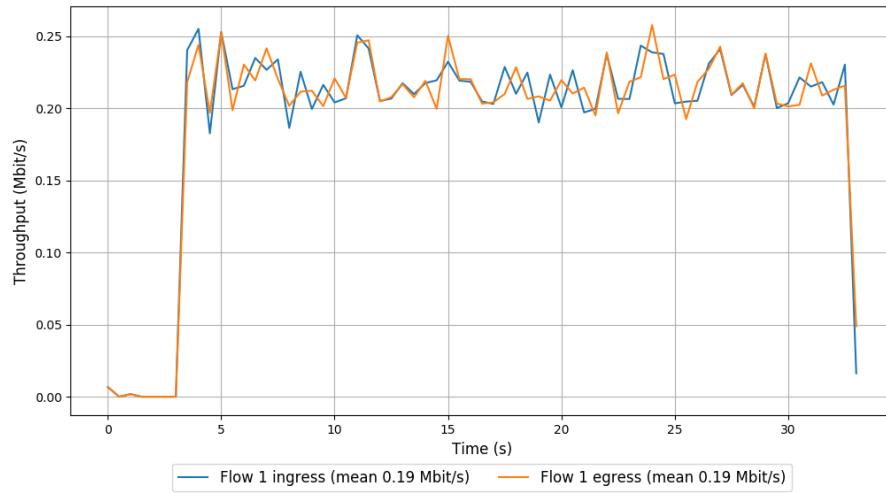


Run 10: Statistics of SCReAM

```
Start at: Fri, 16 Jun 2017 02:11:00 +0000
End at: Fri, 16 Jun 2017 02:11:30 +0000
Local clock offset: 4.445 ms
Remote clock offset: -0.322 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:02:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 47.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 47.915 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

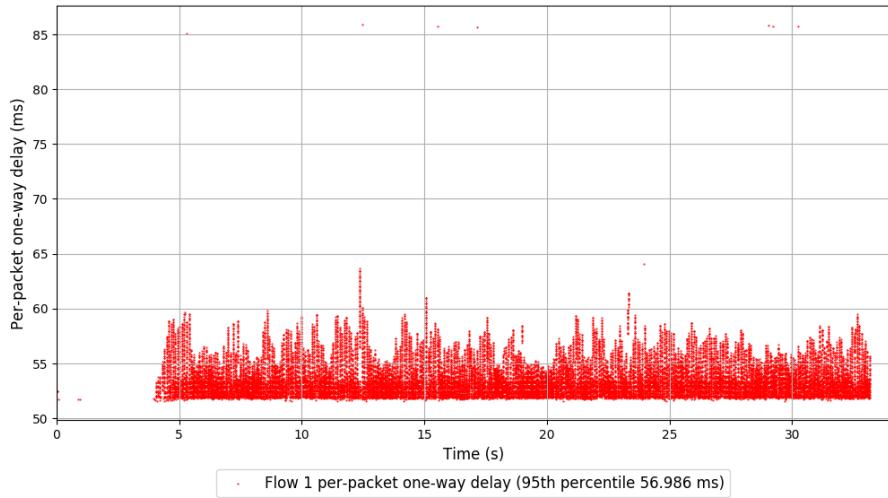
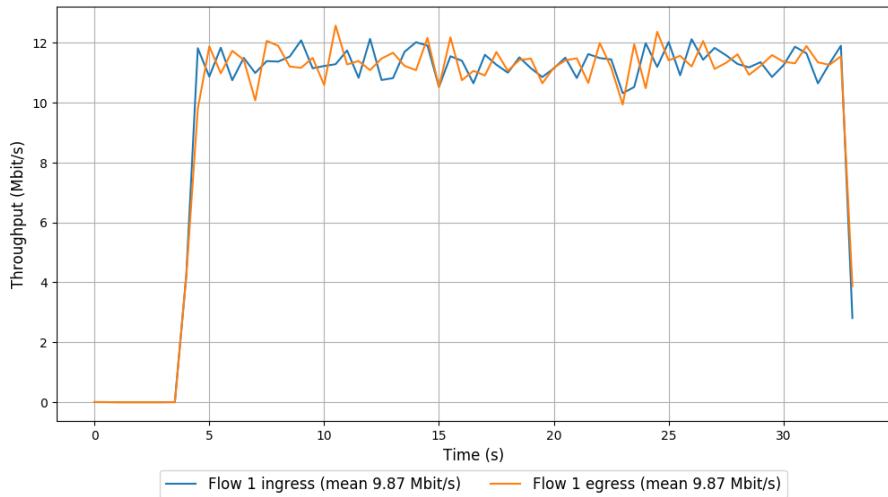


Run 1: Statistics of Sprout

```
Start at: Thu, 15 Jun 2017 23:19:42 +0000
End at: Thu, 15 Jun 2017 23:20:12 +0000
Local clock offset: 4.373 ms
Remote clock offset: 0.762 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:03:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 56.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 56.986 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

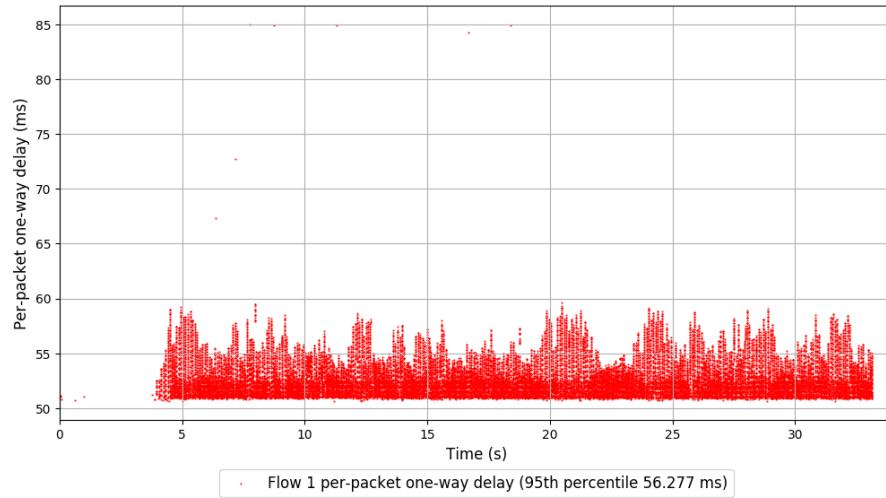
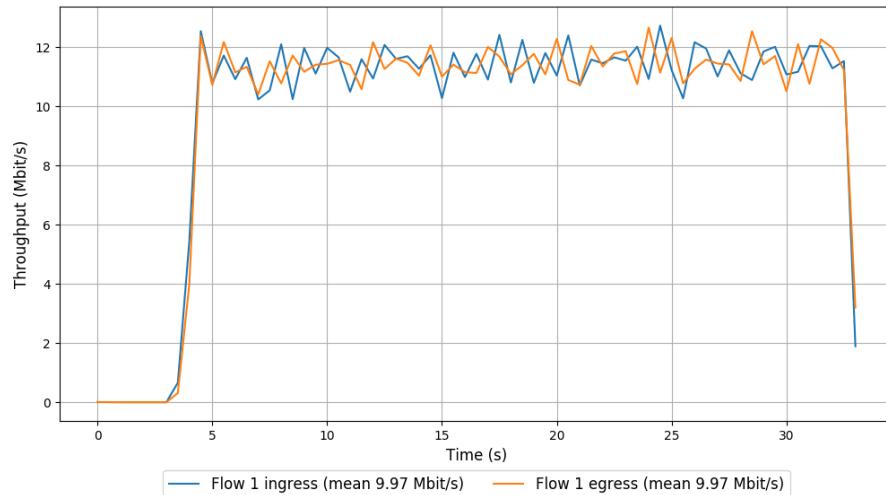


Run 2: Statistics of Sprout

```
Start at: Thu, 15 Jun 2017 23:38:36 +0000
End at: Thu, 15 Jun 2017 23:39:06 +0000
Local clock offset: 3.386 ms
Remote clock offset: 0.305 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:03:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 56.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 56.277 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

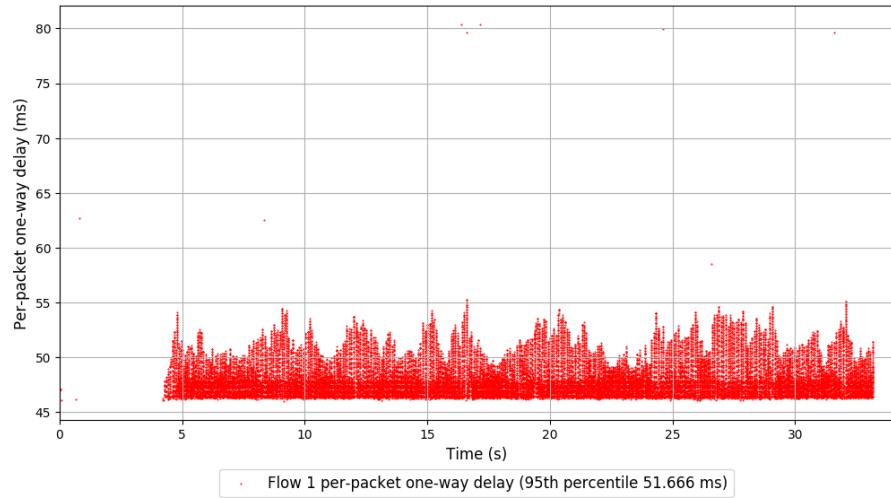
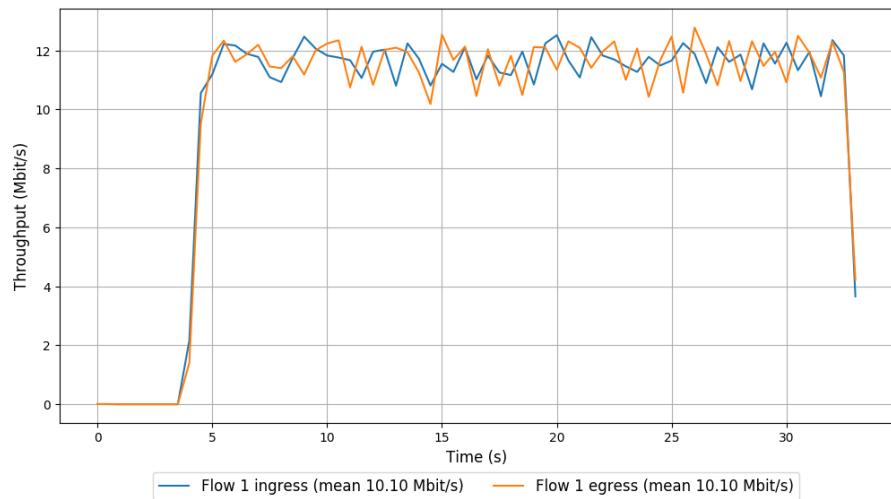


Run 3: Statistics of Sprout

```
Start at: Thu, 15 Jun 2017 23:57:19 +0000
End at: Thu, 15 Jun 2017 23:57:49 +0000
Local clock offset: 3.198 ms
Remote clock offset: 0.192 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:03:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 51.666 ms
Loss rate: 0.05%
```

Run 3: Report of Sprout — Data Link

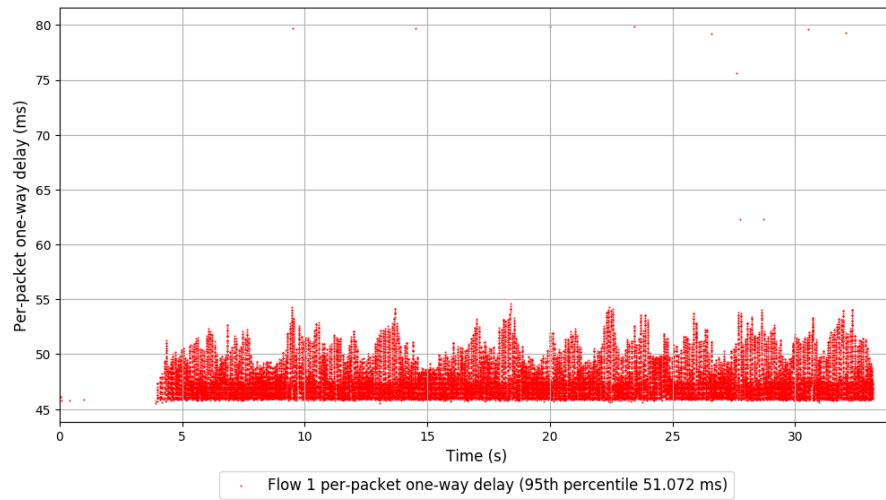
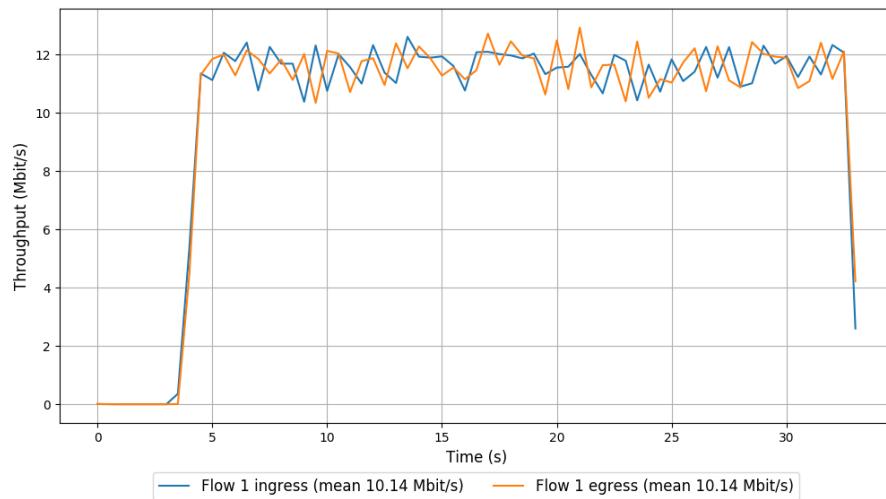


Run 4: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 00:15:57 +0000
End at: Fri, 16 Jun 2017 00:16:27 +0000
Local clock offset: 2.828 ms
Remote clock offset: 0.819 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:03:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 51.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 51.072 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

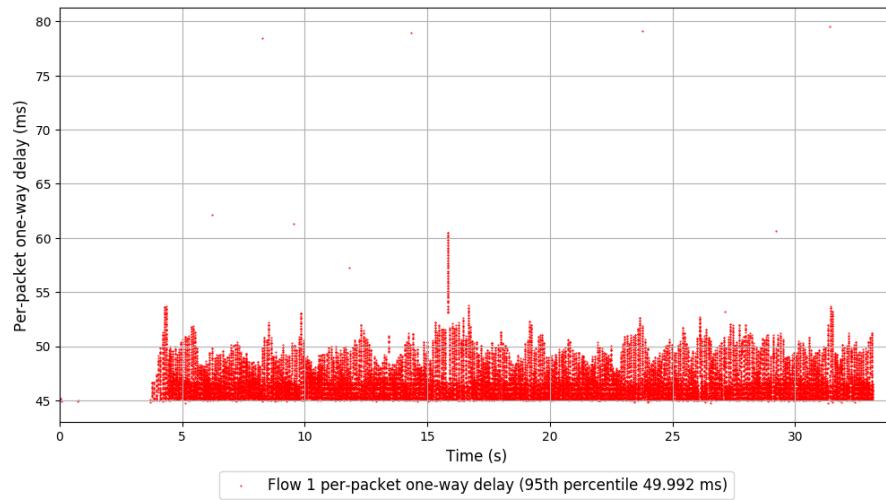
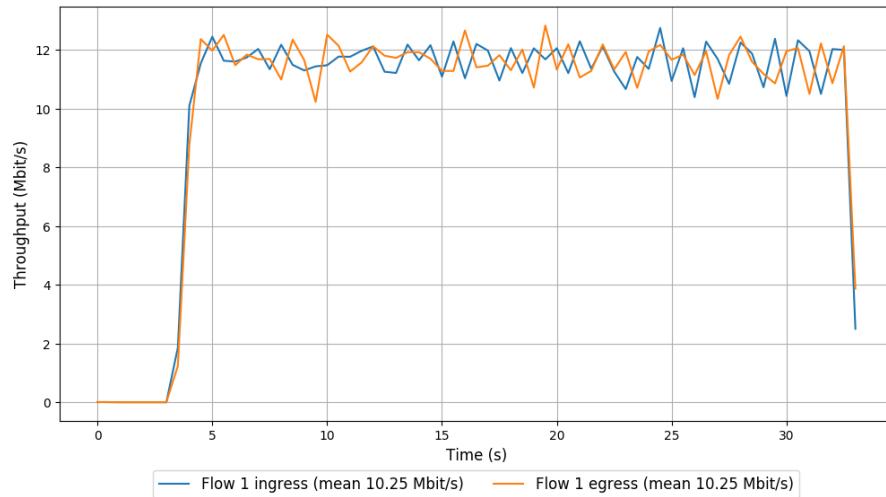


Run 5: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 00:34:59 +0000
End at: Fri, 16 Jun 2017 00:35:29 +0000
Local clock offset: 3.833 ms
Remote clock offset: 2.405 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:03:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 49.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 49.992 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

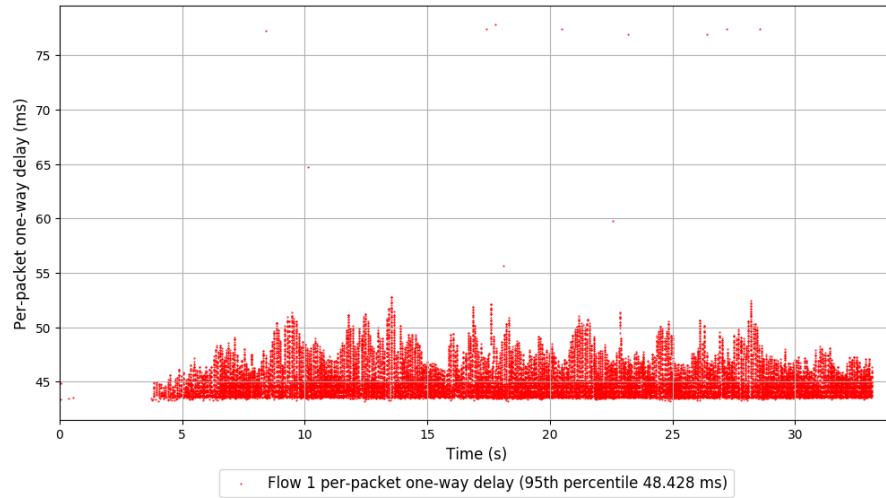
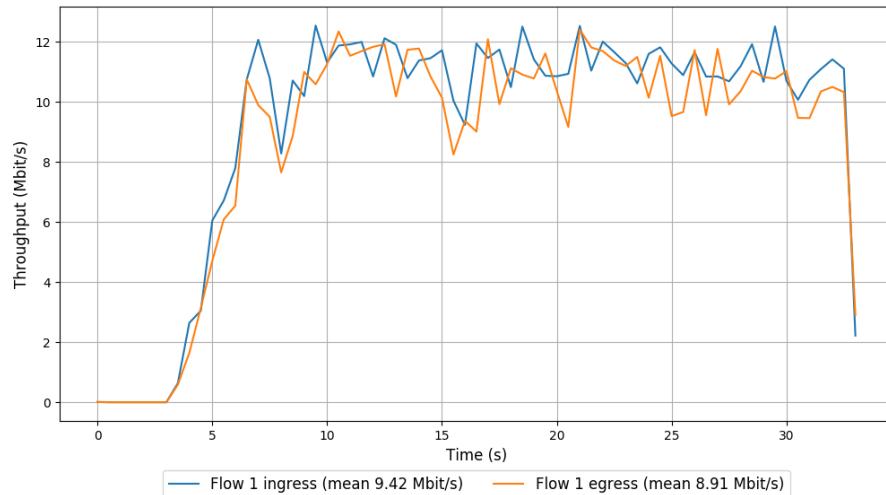


Run 6: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 00:53:41 +0000
End at: Fri, 16 Jun 2017 00:54:11 +0000
Local clock offset: -0.968 ms
Remote clock offset: 1.464 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:03:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.91 Mbit/s
95th percentile per-packet one-way delay: 48.428 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 8.91 Mbit/s
95th percentile per-packet one-way delay: 48.428 ms
Loss rate: 5.42%
```

Run 6: Report of Sprout — Data Link

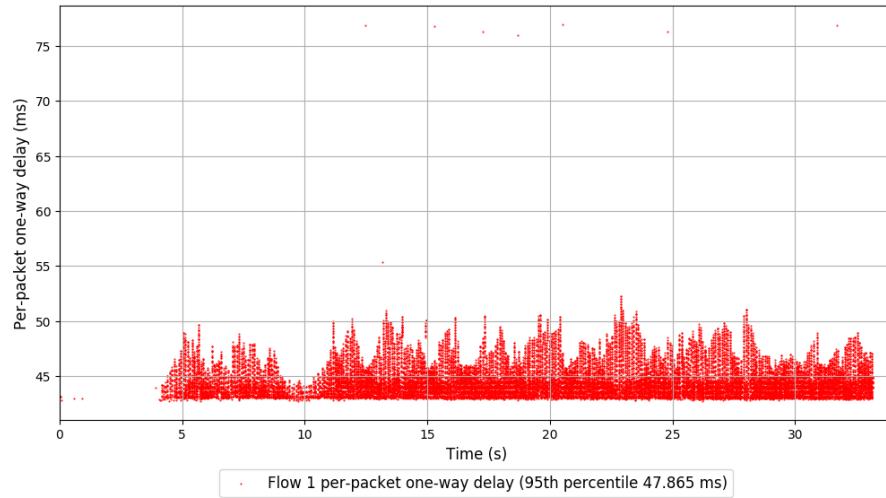
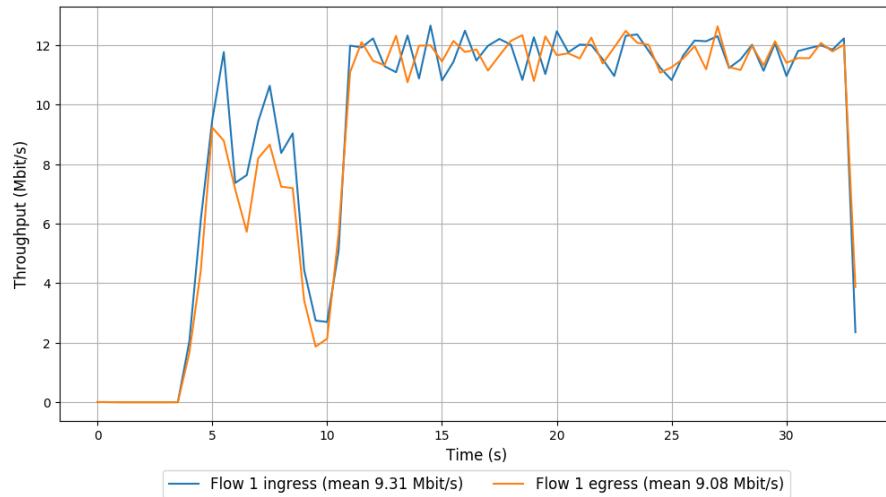


Run 7: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 01:11:54 +0000
End at: Fri, 16 Jun 2017 01:12:24 +0000
Local clock offset: 4.786 ms
Remote clock offset: 2.936 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:03:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.08 Mbit/s
95th percentile per-packet one-way delay: 47.865 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 9.08 Mbit/s
95th percentile per-packet one-way delay: 47.865 ms
Loss rate: 2.52%
```

Run 7: Report of Sprout — Data Link

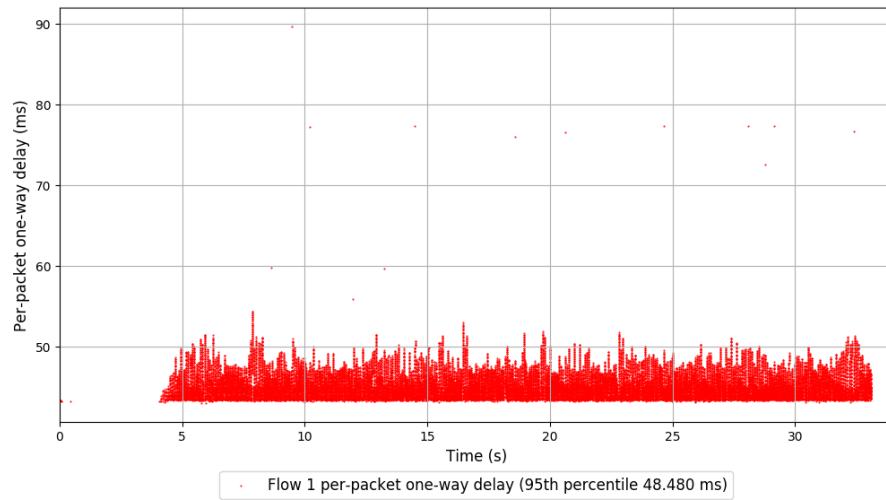
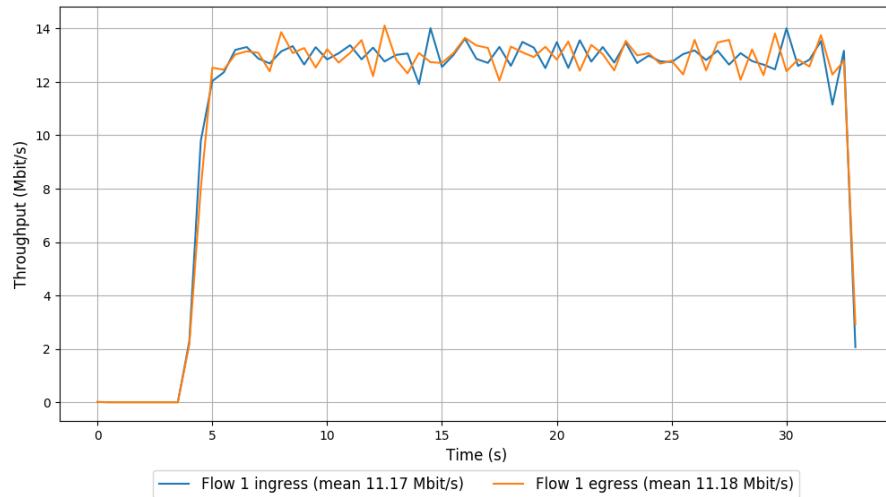


Run 8: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 01:30:22 +0000
End at: Fri, 16 Jun 2017 01:30:52 +0000
Local clock offset: 2.303 ms
Remote clock offset: 1.607 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:03:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 48.480 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 48.480 ms
Loss rate: 0.01%
```

Run 8: Report of Sprout — Data Link

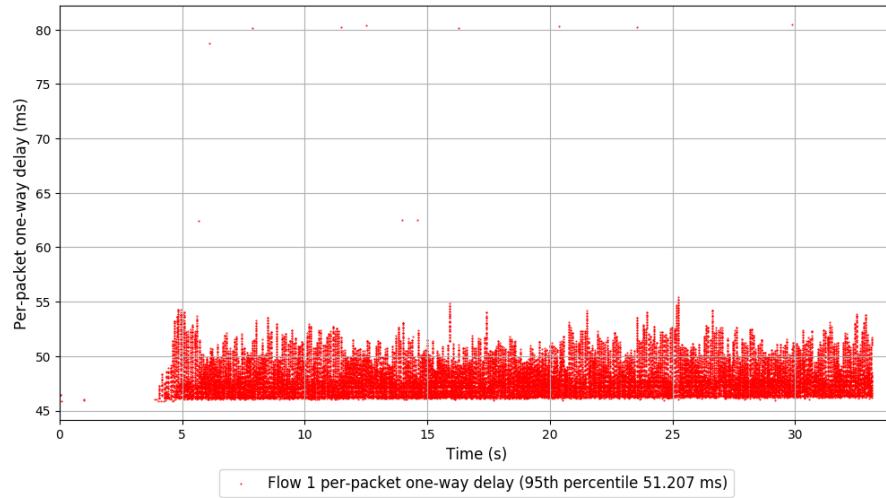
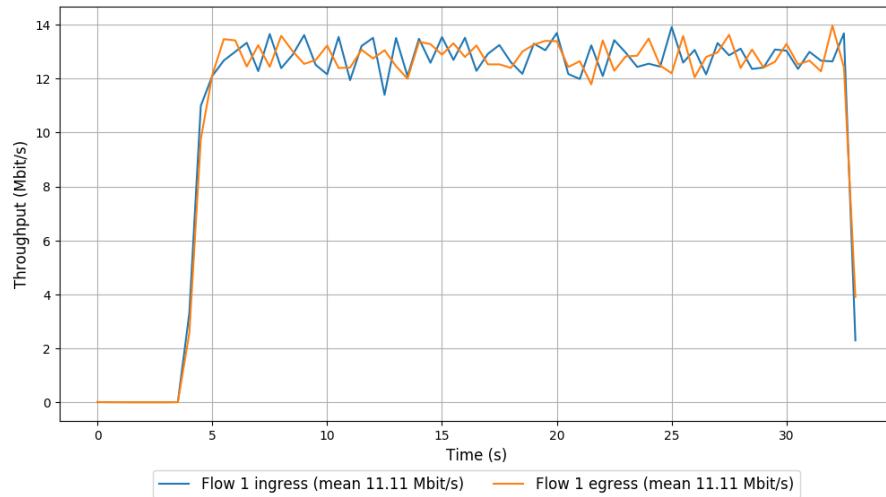


Run 9: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 01:49:12 +0000
End at: Fri, 16 Jun 2017 01:49:42 +0000
Local clock offset: -4.291 ms
Remote clock offset: 0.851 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:04:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 51.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 51.207 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

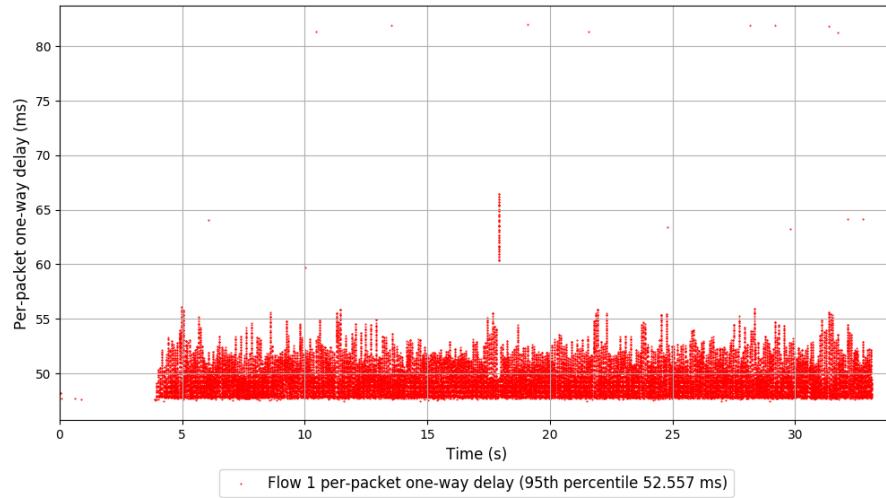
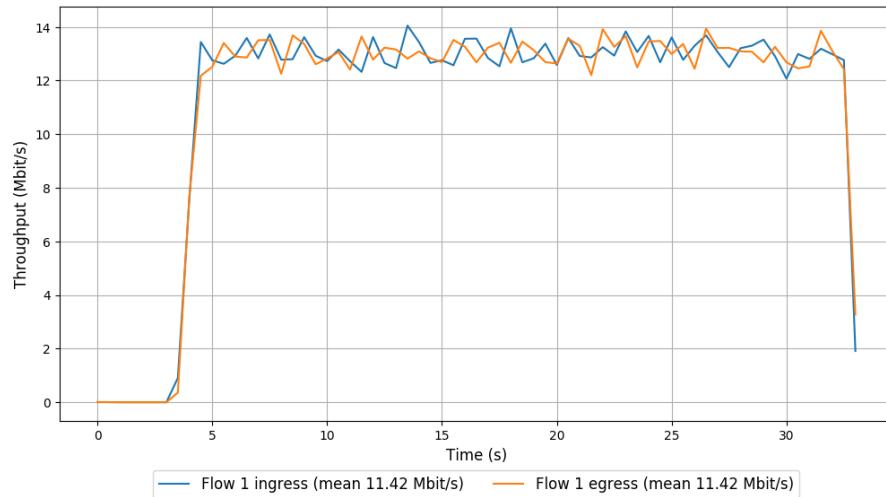


Run 10: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 02:08:14 +0000
End at: Fri, 16 Jun 2017 02:08:44 +0000
Local clock offset: 4.358 ms
Remote clock offset: 0.492 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:04:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 52.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 52.557 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

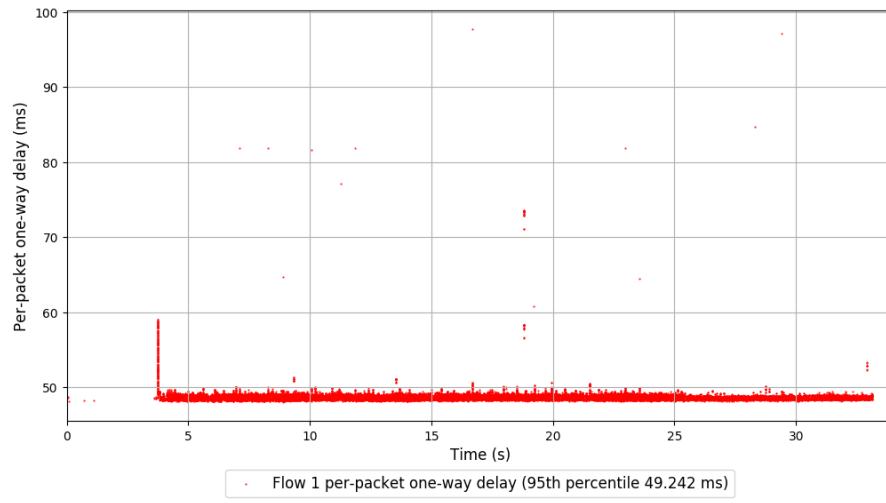
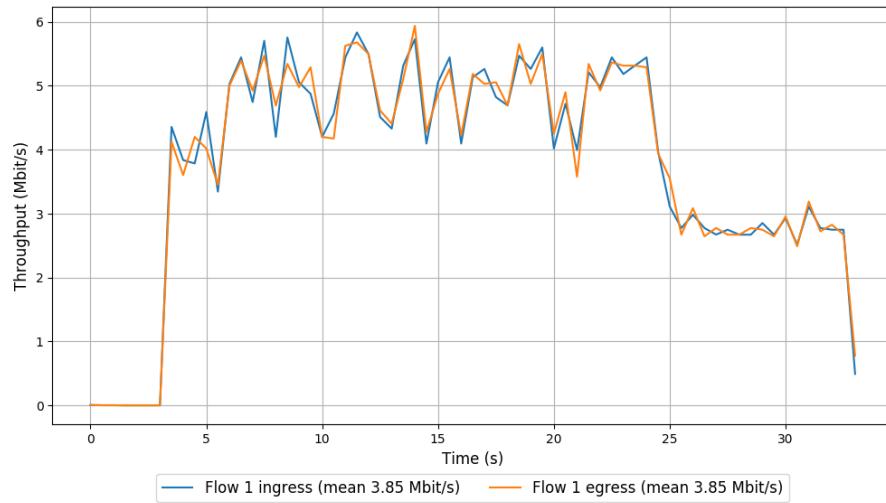


Run 1: Statistics of TaoVA-100x

```
Start at: Thu, 15 Jun 2017 23:26:04 +0000
End at: Thu, 15 Jun 2017 23:26:34 +0000
Local clock offset: 5.735 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:04:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 49.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 49.242 ms
Loss rate: 0.00%
```

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

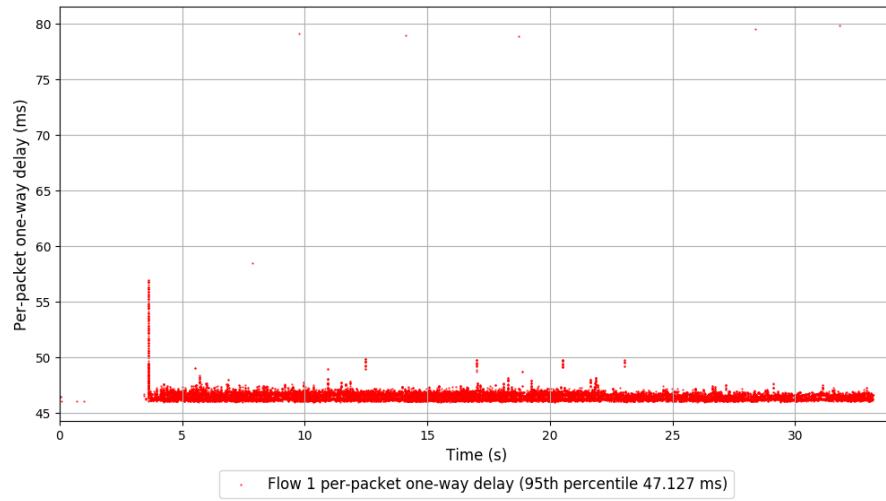
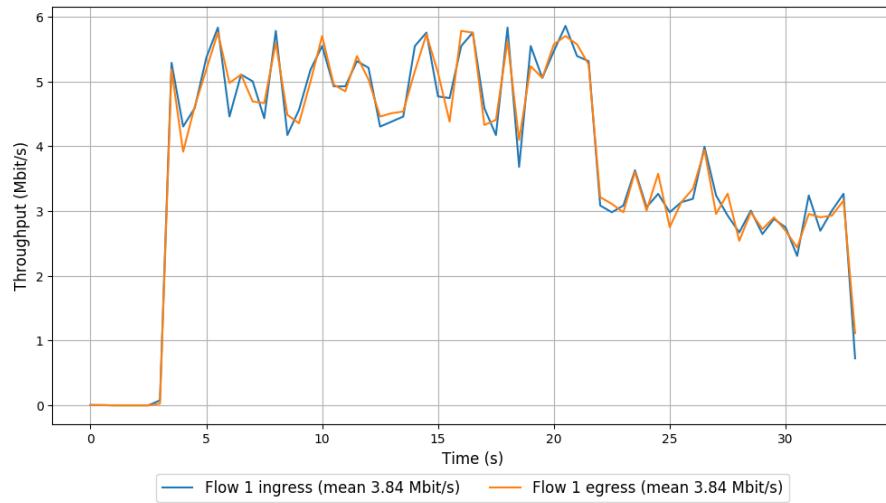


Run 2: Statistics of TaoVA-100x

```
Start at: Thu, 15 Jun 2017 23:44:55 +0000
End at: Thu, 15 Jun 2017 23:45:25 +0000
Local clock offset: 1.699 ms
Remote clock offset: 0.188 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:04:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 47.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 47.127 ms
Loss rate: 0.00%
```

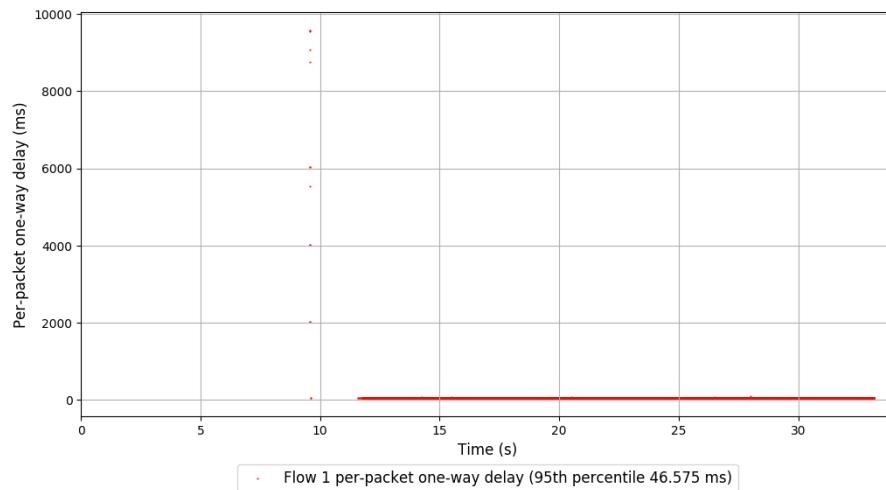
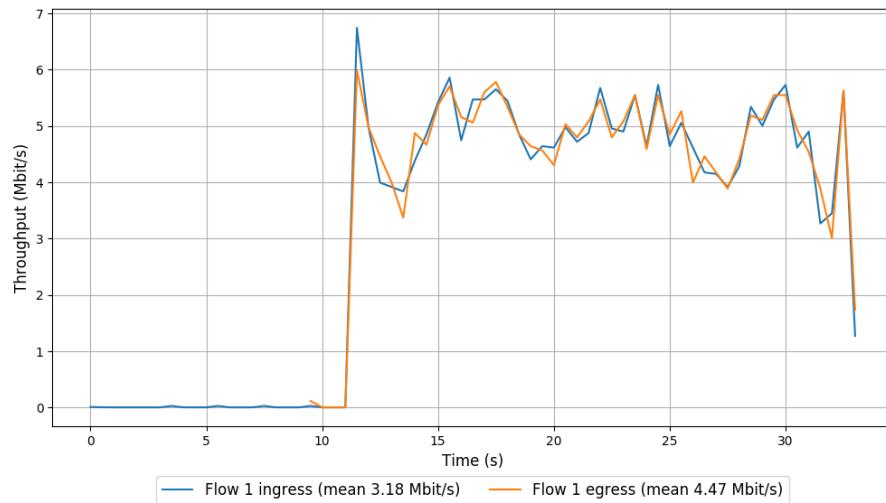
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 00:03:27 +0000
End at: Fri, 16 Jun 2017 00:03:57 +0000
Local clock offset: 2.441 ms
Remote clock offset: 0.383 ms

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

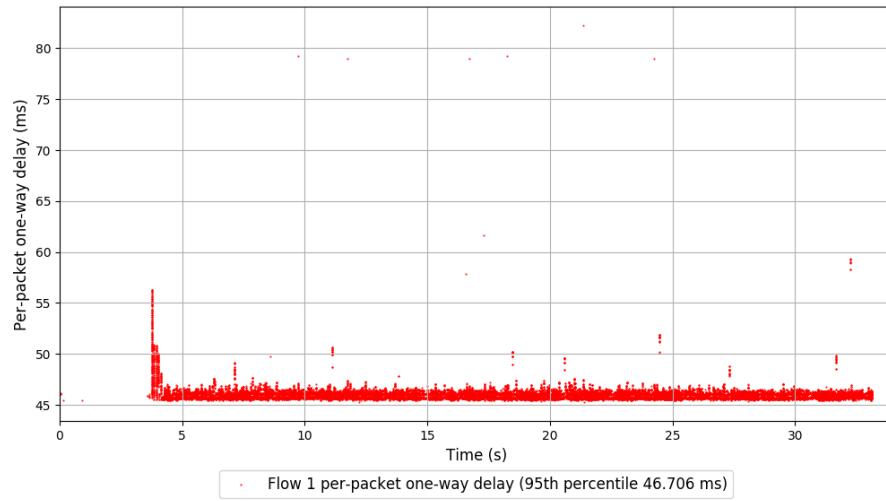
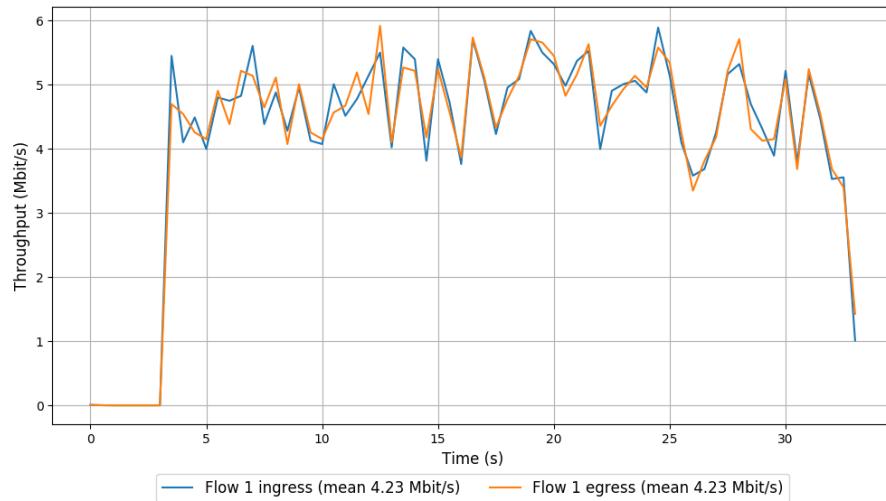


Run 4: Statistics of TaoVA-100x

```
Start at: Fri, 16 Jun 2017 00:22:32 +0000
End at: Fri, 16 Jun 2017 00:23:02 +0000
Local clock offset: 5.77 ms
Remote clock offset: 1.325 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:04:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 46.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 46.706 ms
Loss rate: 0.00%
```

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

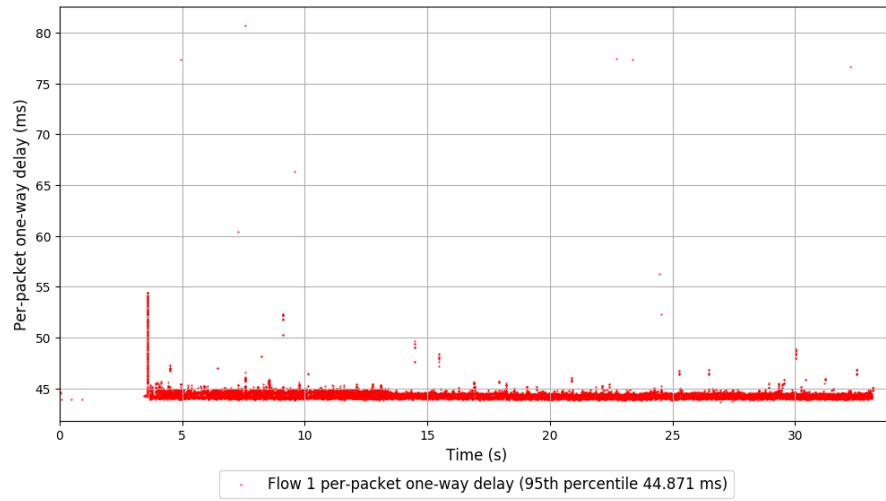
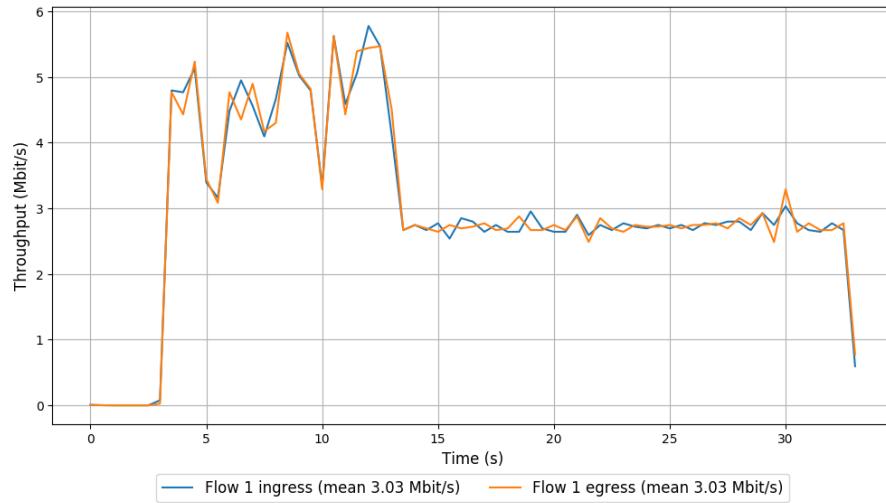


Run 5: Statistics of TaoVA-100x

```
Start at: Fri, 16 Jun 2017 00:41:28 +0000
End at: Fri, 16 Jun 2017 00:41:58 +0000
Local clock offset: 1.917 ms
Remote clock offset: 1.602 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:04:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 44.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 44.871 ms
Loss rate: 0.00%
```

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



Run 6: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 00:59:34 +0000

End at: Fri, 16 Jun 2017 01:00:04 +0000

Local clock offset: 1.651 ms

Remote clock offset: 1.849 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:04:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 46.072 ms

Loss rate: 9.88%

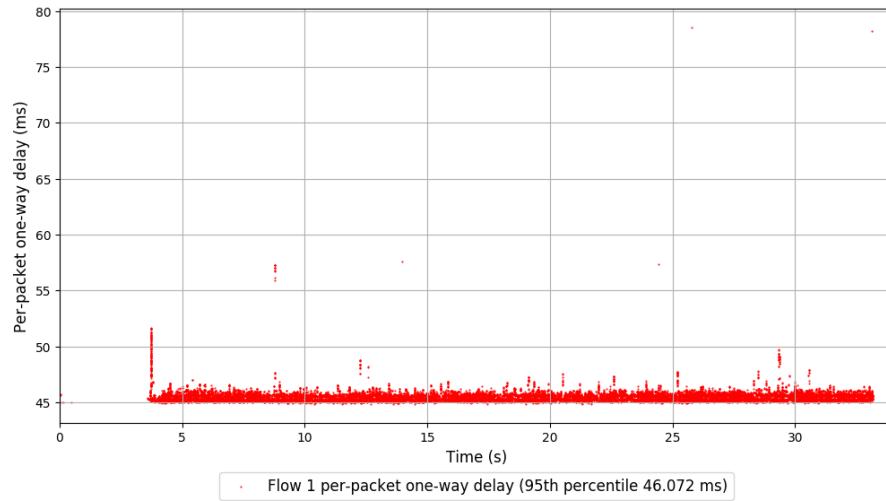
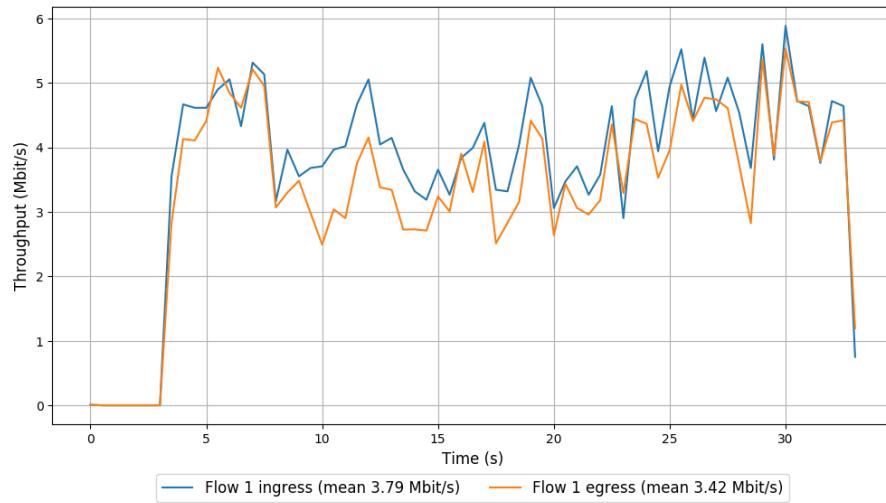
-- Flow 1:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 46.072 ms

Loss rate: 9.88%

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



Run 7: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 01:17:57 +0000

End at: Fri, 16 Jun 2017 01:18:27 +0000

Local clock offset: 4.32 ms

Remote clock offset: 2.827 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:04:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 43.726 ms

Loss rate: 0.00%

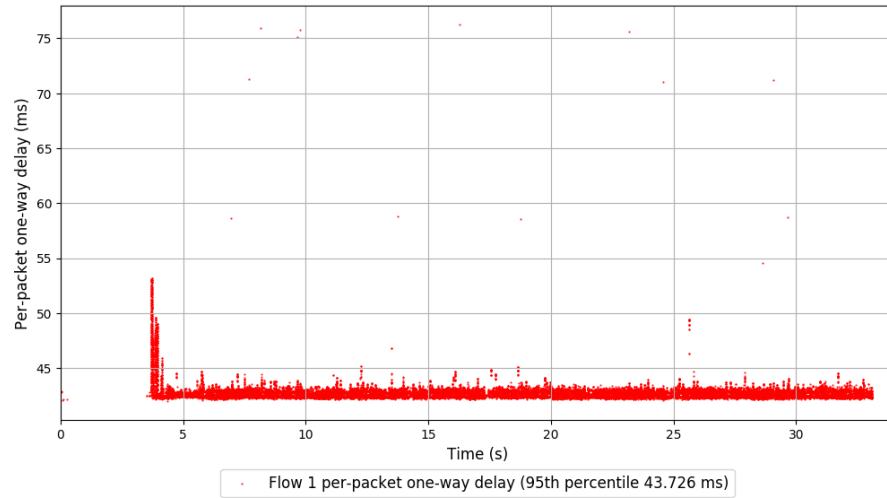
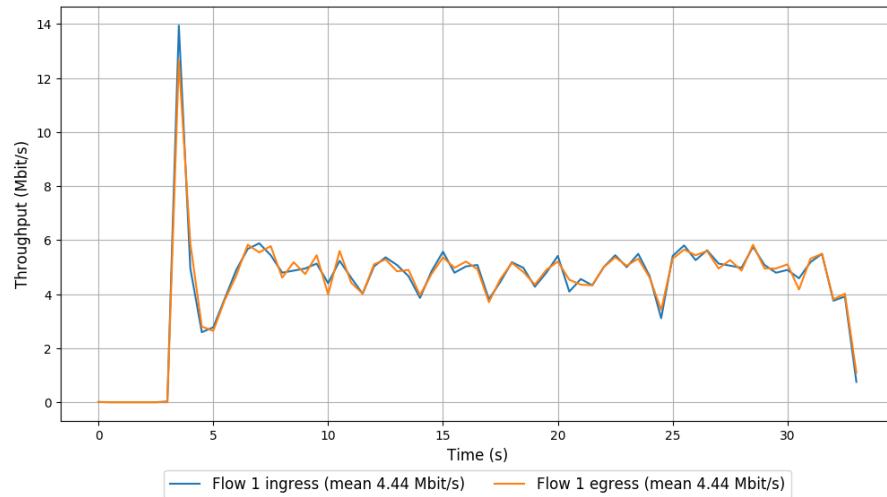
-- Flow 1:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 43.726 ms

Loss rate: 0.00%

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

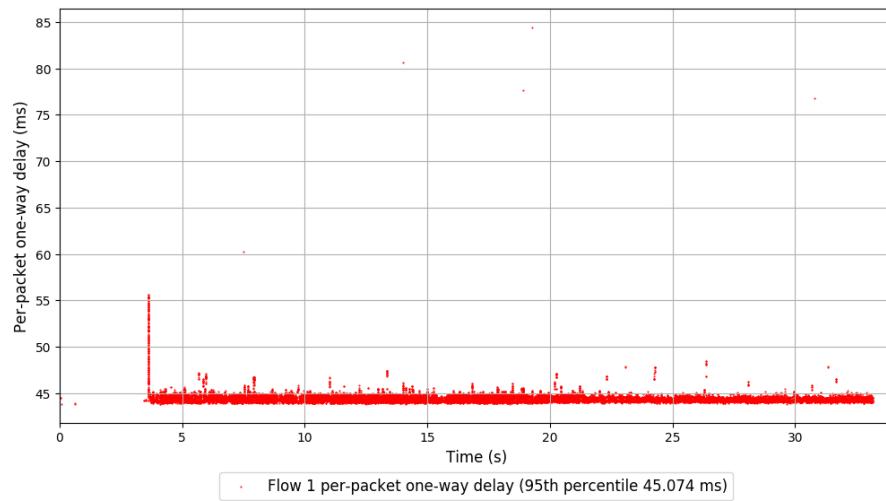
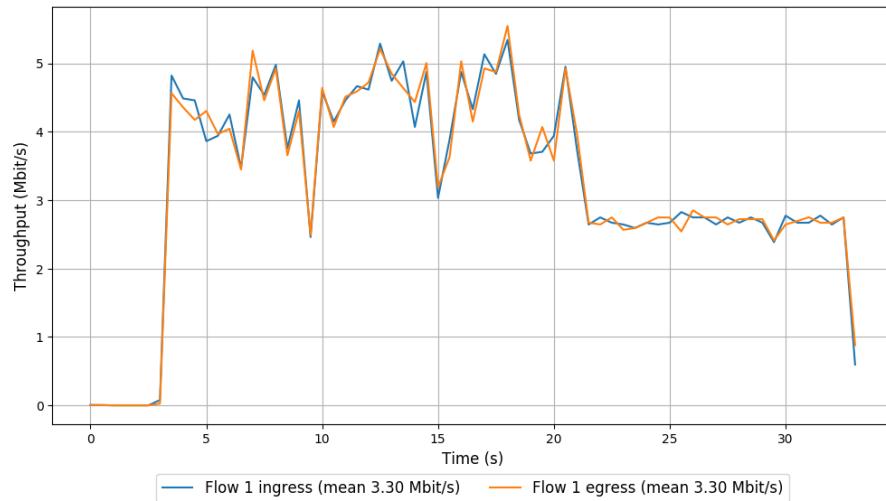


Run 8: Statistics of TaoVA-100x

```
Start at: Fri, 16 Jun 2017 01:36:46 +0000
End at: Fri, 16 Jun 2017 01:37:16 +0000
Local clock offset: 1.632 ms
Remote clock offset: 1.432 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:05:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 45.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 45.074 ms
Loss rate: 0.00%
```

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

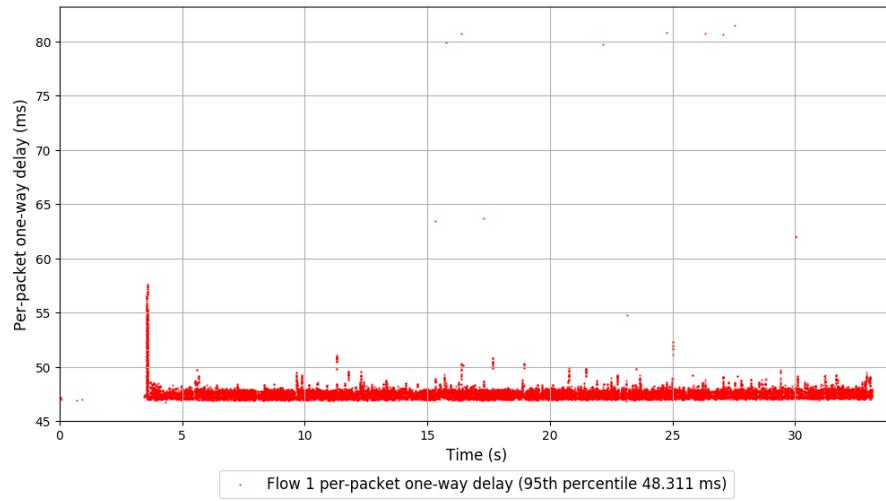
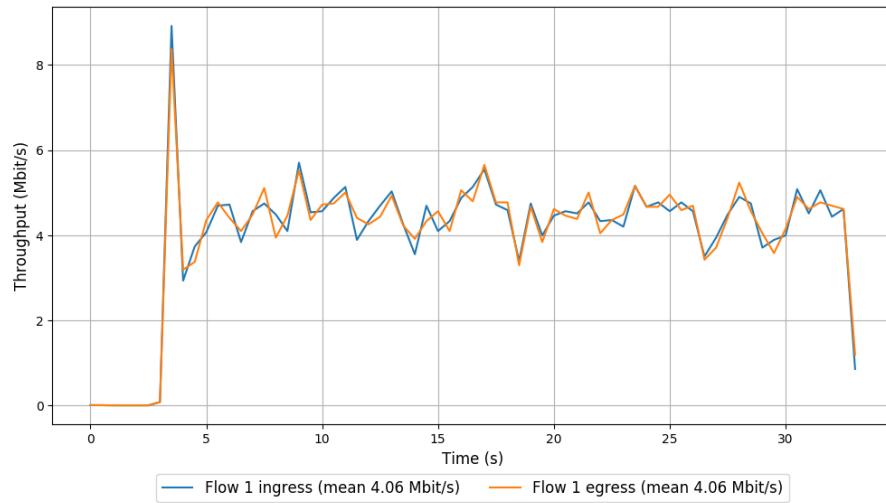


Run 9: Statistics of TaoVA-100x

```
Start at: Fri, 16 Jun 2017 01:55:48 +0000
End at: Fri, 16 Jun 2017 01:56:18 +0000
Local clock offset: 3.135 ms
Remote clock offset: 0.521 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:05:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 48.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 48.311 ms
Loss rate: 0.00%
```

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



Run 10: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 02:14:51 +0000

End at: Fri, 16 Jun 2017 02:15:21 +0000

Local clock offset: 3.719 ms

Remote clock offset: -0.523 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:05:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 49.239 ms

Loss rate: 0.02%

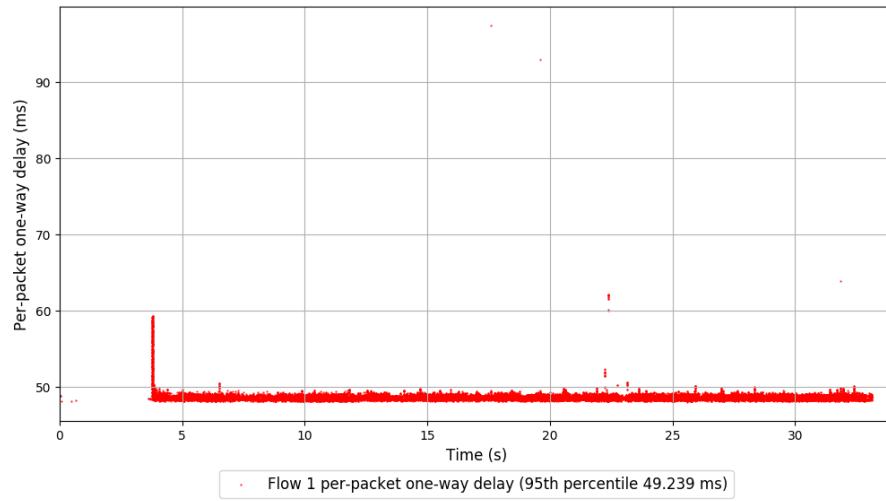
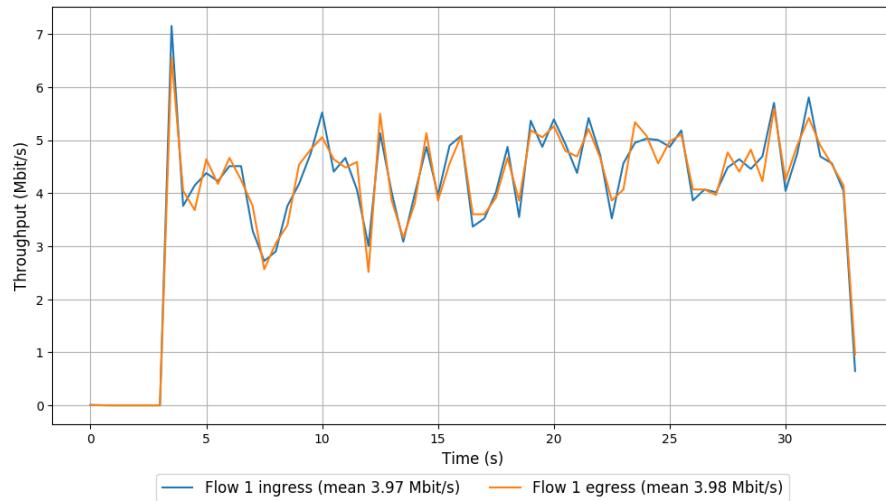
-- Flow 1:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 49.239 ms

Loss rate: 0.02%

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

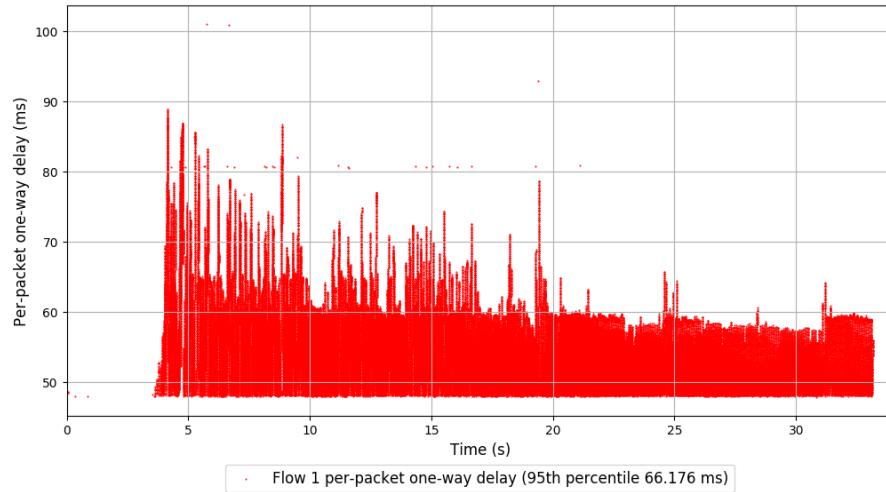
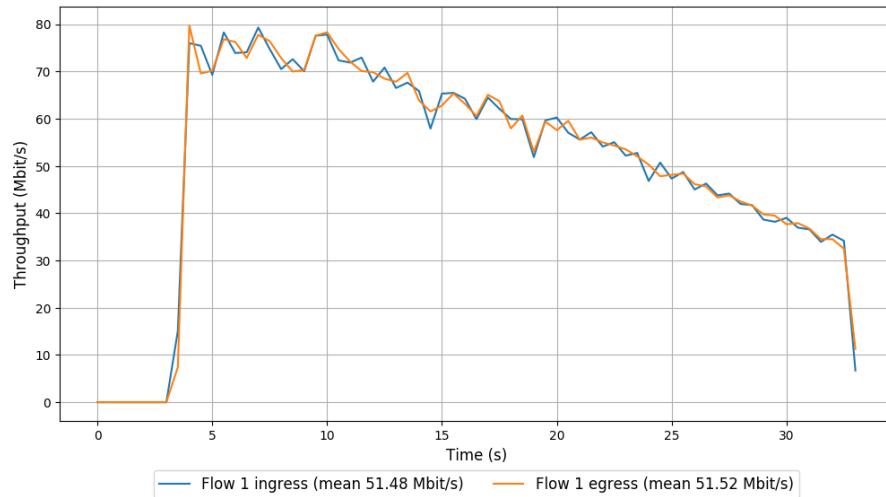


Run 1: Statistics of TCP Vegas

```
Start at: Thu, 15 Jun 2017 23:20:51 +0000
End at: Thu, 15 Jun 2017 23:21:21 +0000
Local clock offset: 0.147 ms
Remote clock offset: -0.742 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:05:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 66.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 66.176 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

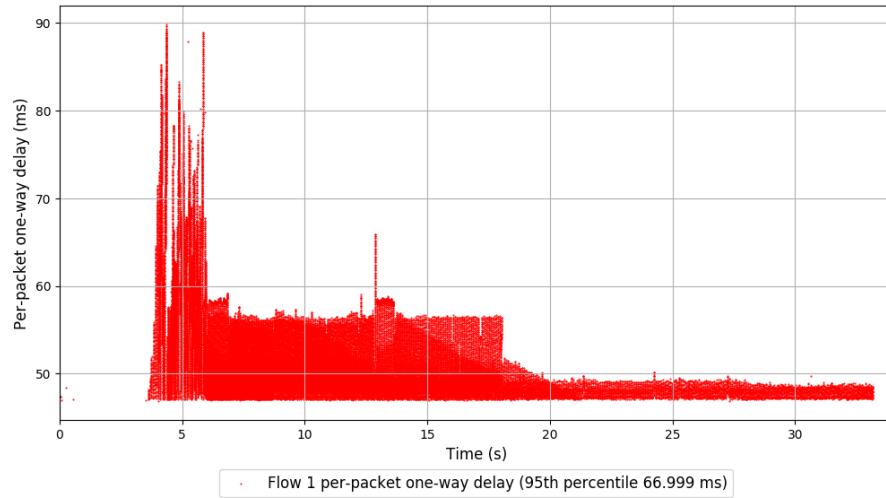
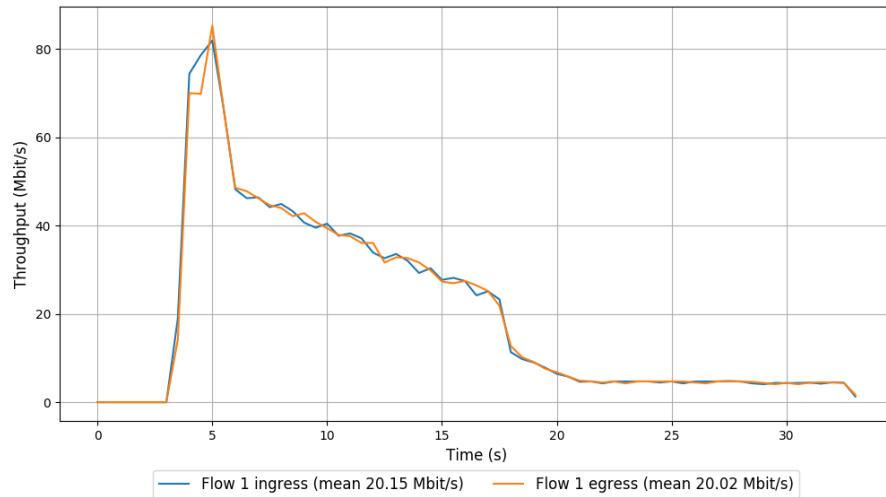


Run 2: Statistics of TCP Vegas

```
Start at: Thu, 15 Jun 2017 23:39:46 +0000
End at: Thu, 15 Jun 2017 23:40:16 +0000
Local clock offset: 2.958 ms
Remote clock offset: 0.518 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:05:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 66.999 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 66.999 ms
Loss rate: 0.65%
```

Run 2: Report of TCP Vegas — Data Link

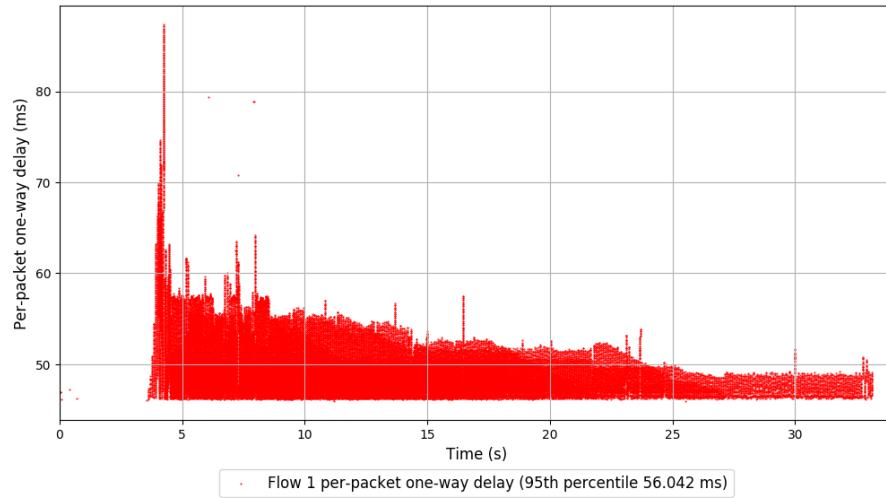
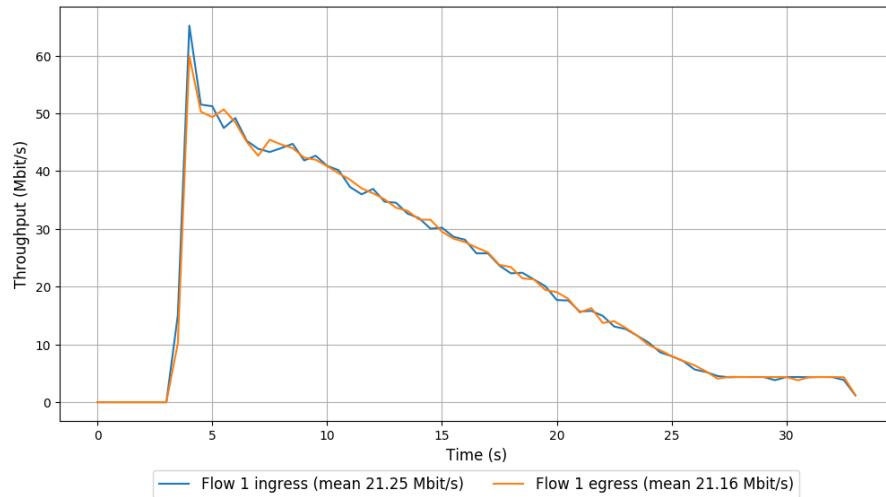


Run 3: Statistics of TCP Vegas

```
Start at: Thu, 15 Jun 2017 23:58:29 +0000
End at: Thu, 15 Jun 2017 23:58:59 +0000
Local clock offset: 2.763 ms
Remote clock offset: 1.026 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:05:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 56.042 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 56.042 ms
Loss rate: 0.43%
```

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 00:17:07 +0000

End at: Fri, 16 Jun 2017 00:17:37 +0000

Local clock offset: 0.795 ms

Remote clock offset: 1.045 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:06:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 65.932 ms

Loss rate: 0.00%

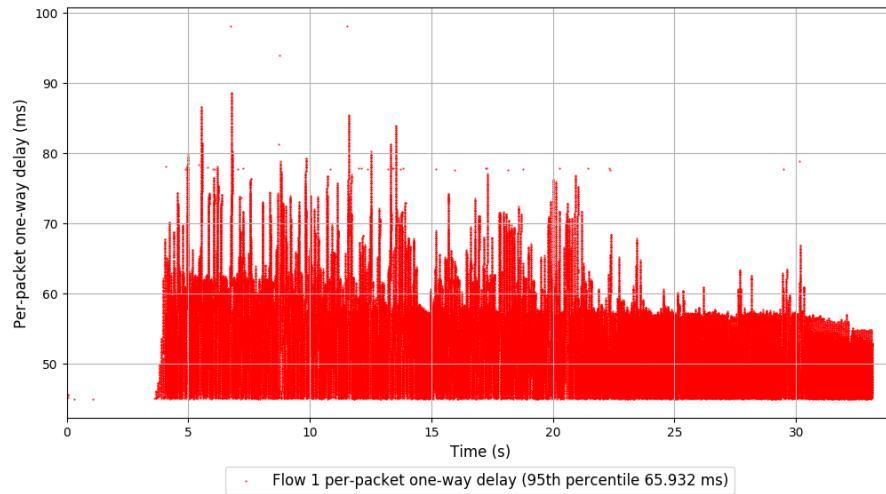
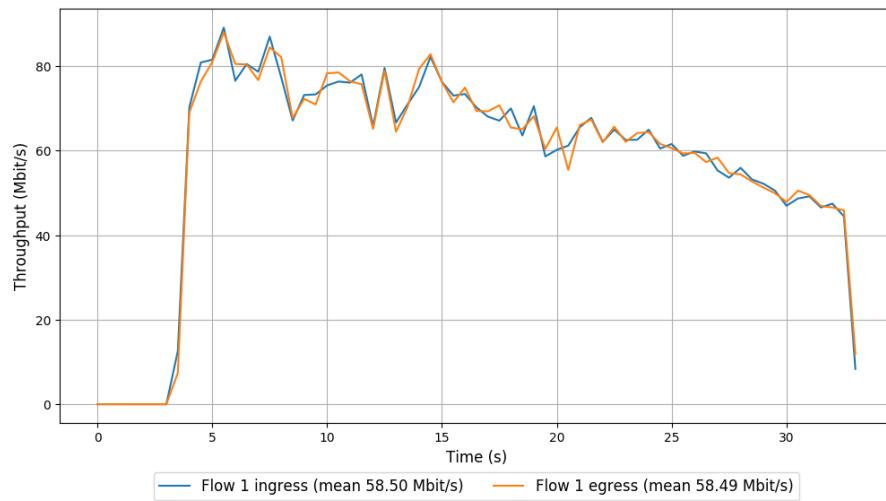
-- Flow 1:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 65.932 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

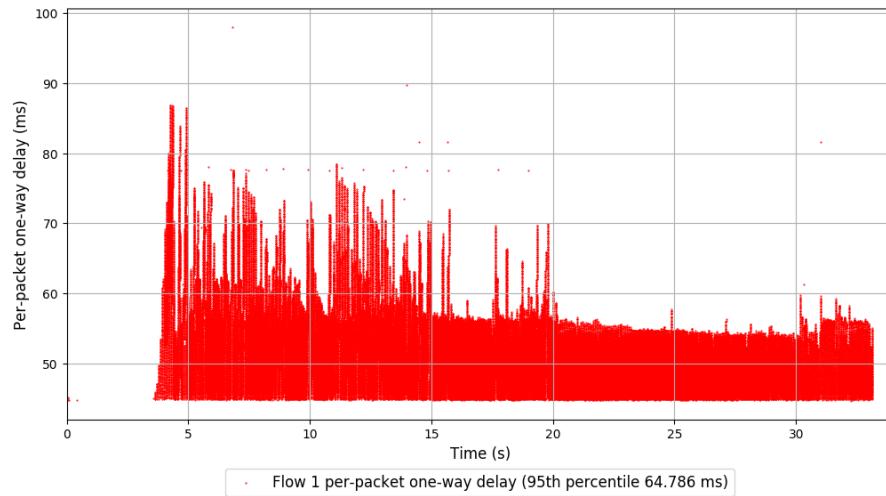
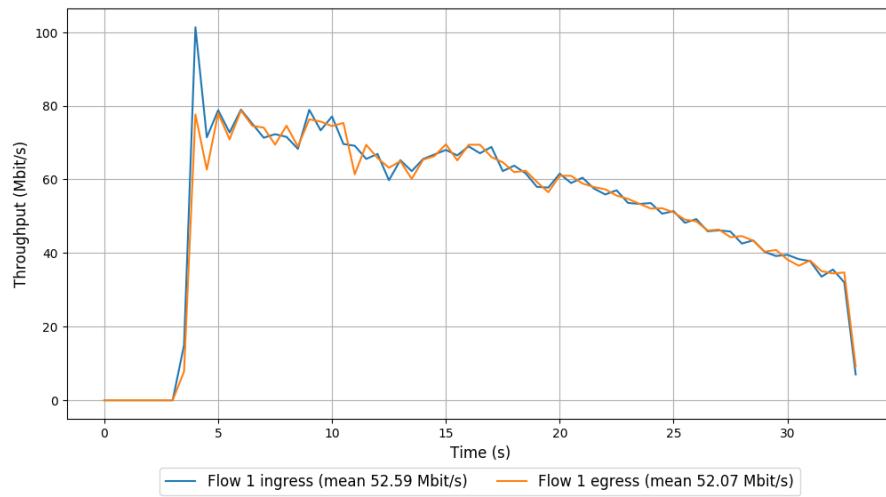


Run 5: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 00:36:10 +0000
End at: Fri, 16 Jun 2017 00:36:40 +0000
Local clock offset: 4.702 ms
Remote clock offset: 2.053 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:06:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 64.786 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 64.786 ms
Loss rate: 0.96%
```

Run 5: Report of TCP Vegas — Data Link

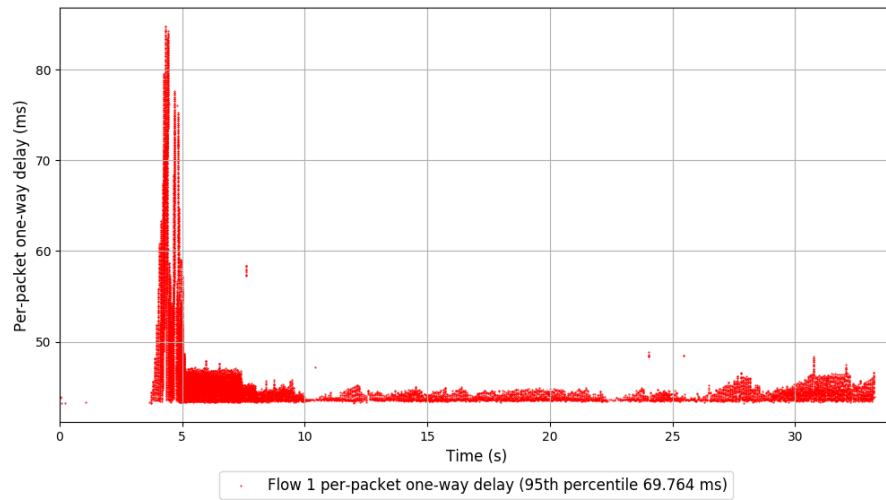
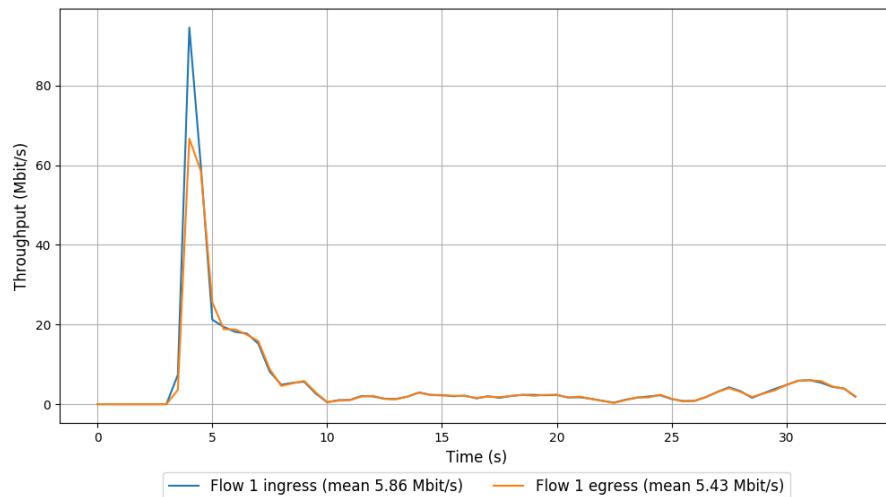


Run 6: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 00:54:51 +0000
End at: Fri, 16 Jun 2017 00:55:21 +0000
Local clock offset: 3.743 ms
Remote clock offset: 2.645 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:06:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 69.764 ms
Loss rate: 7.25%
-- Flow 1:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 69.764 ms
Loss rate: 7.25%
```

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 01:13:04 +0000

End at: Fri, 16 Jun 2017 01:13:34 +0000

Local clock offset: 2.349 ms

Remote clock offset: 2.608 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:06:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.96 Mbit/s

95th percentile per-packet one-way delay: 49.487 ms

Loss rate: 0.00%

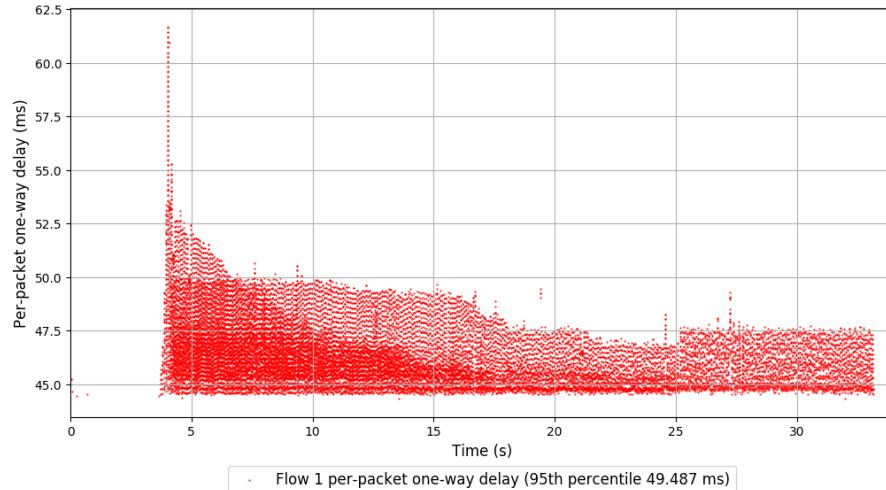
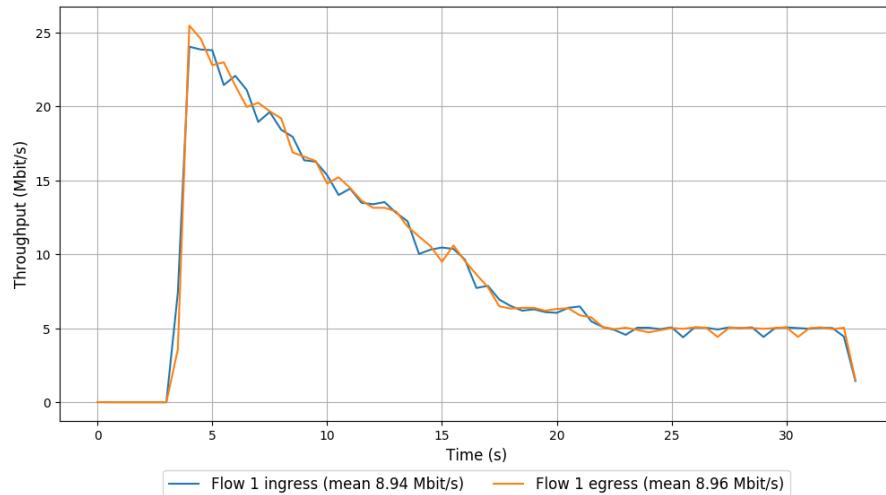
-- Flow 1:

Average throughput: 8.96 Mbit/s

95th percentile per-packet one-way delay: 49.487 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

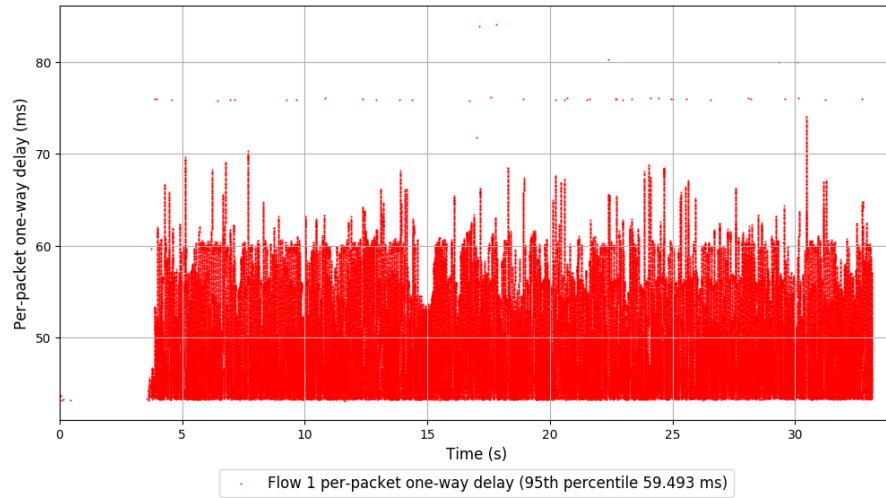
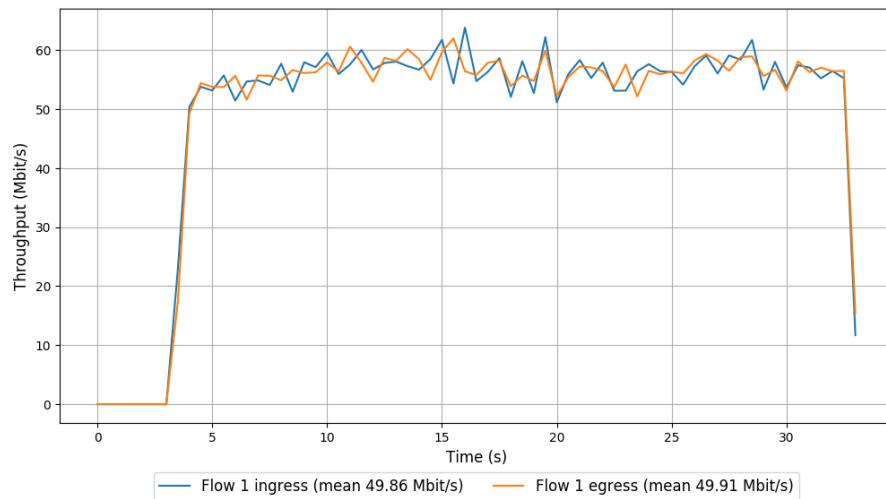


Run 8: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 01:31:32 +0000
End at: Fri, 16 Jun 2017 01:32:02 +0000
Local clock offset: 1.677 ms
Remote clock offset: 1.615 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:07:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 59.493 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 59.493 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link

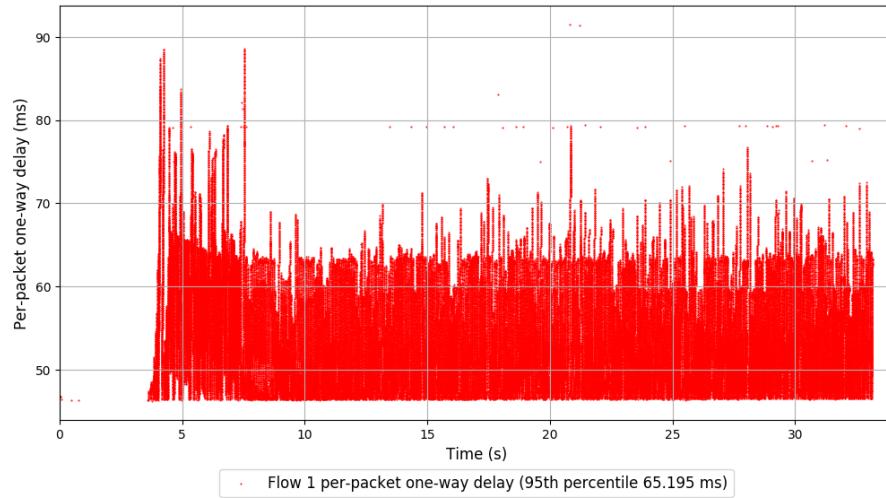
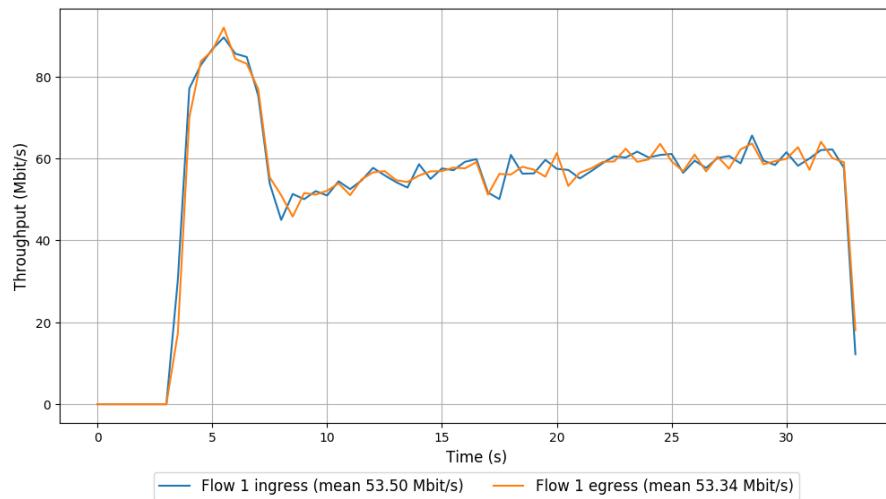


Run 9: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 01:50:23 +0000
End at: Fri, 16 Jun 2017 01:50:53 +0000
Local clock offset: 4.483 ms
Remote clock offset: 1.074 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:07:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 65.195 ms
Loss rate: 0.29%
```

Run 9: Report of TCP Vegas — Data Link

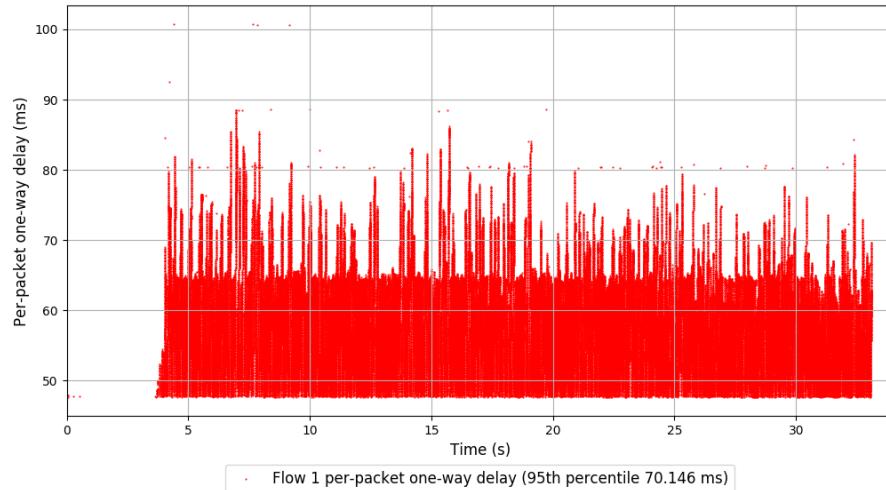
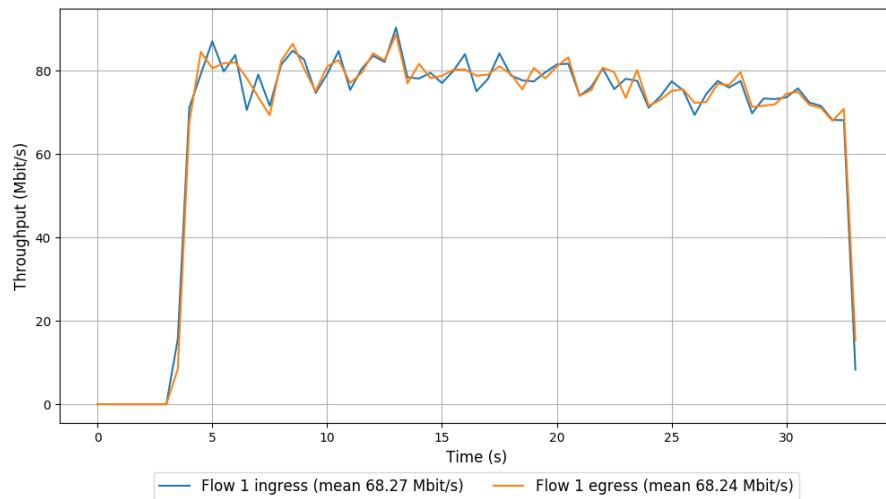


Run 10: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 02:09:24 +0000
End at: Fri, 16 Jun 2017 02:09:54 +0000
Local clock offset: 6.665 ms
Remote clock offset: -0.668 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:07:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.24 Mbit/s
95th percentile per-packet one-way delay: 70.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.24 Mbit/s
95th percentile per-packet one-way delay: 70.146 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

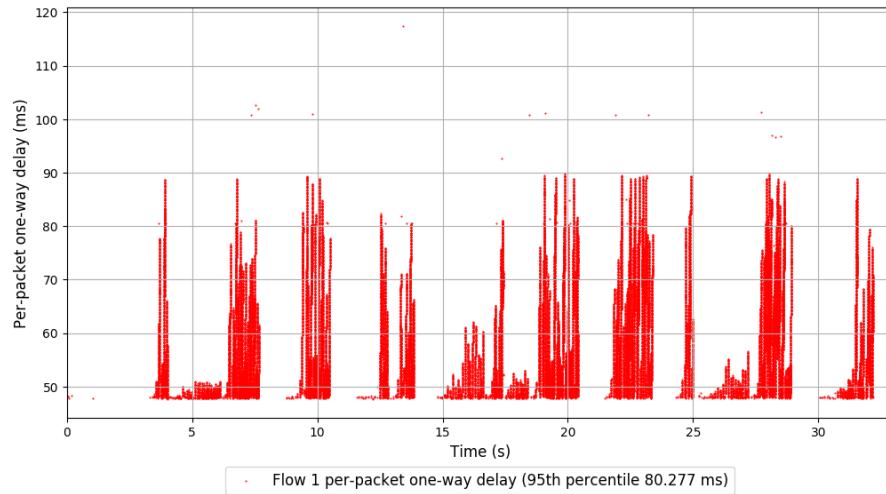
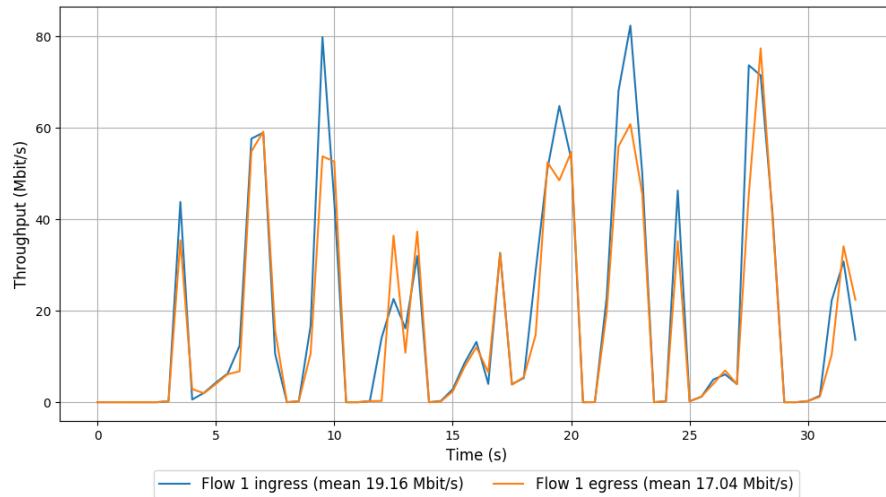


Run 1: Statistics of Verus

```
Start at: Thu, 15 Jun 2017 23:17:08 +0000
End at: Thu, 15 Jun 2017 23:17:38 +0000
Local clock offset: -3.805 ms
Remote clock offset: 0.378 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:07:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.04 Mbit/s
95th percentile per-packet one-way delay: 80.277 ms
Loss rate: 11.07%
-- Flow 1:
Average throughput: 17.04 Mbit/s
95th percentile per-packet one-way delay: 80.277 ms
Loss rate: 11.07%
```

Run 1: Report of Verus — Data Link

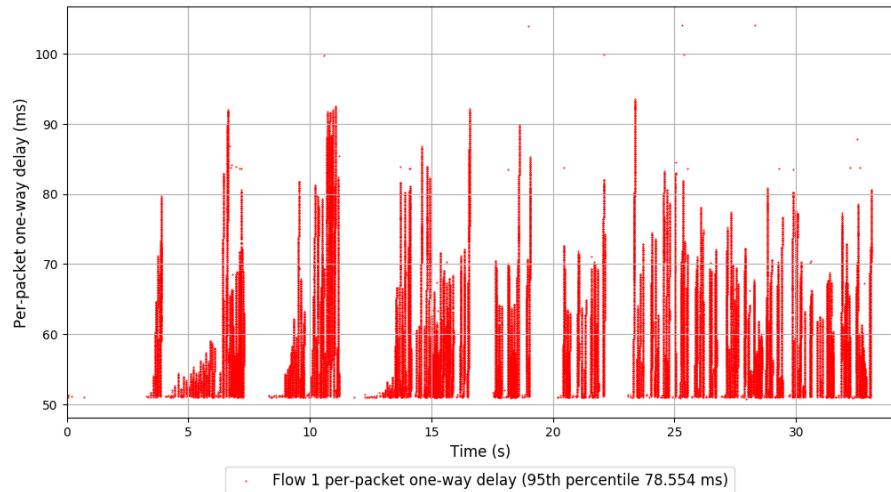
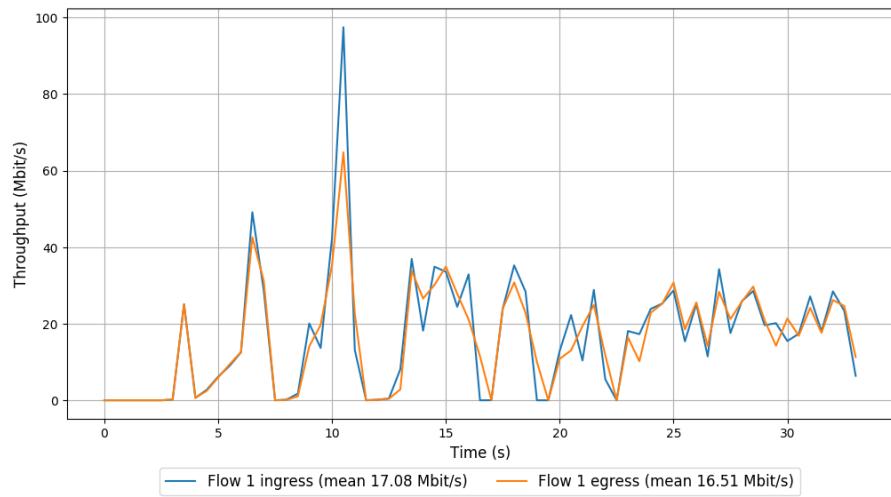


Run 2: Statistics of Verus

```
Start at: Thu, 15 Jun 2017 23:35:56 +0000
End at: Thu, 15 Jun 2017 23:36:26 +0000
Local clock offset: 4.075 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:07:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 78.554 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 78.554 ms
Loss rate: 3.28%
```

Run 2: Report of Verus — Data Link

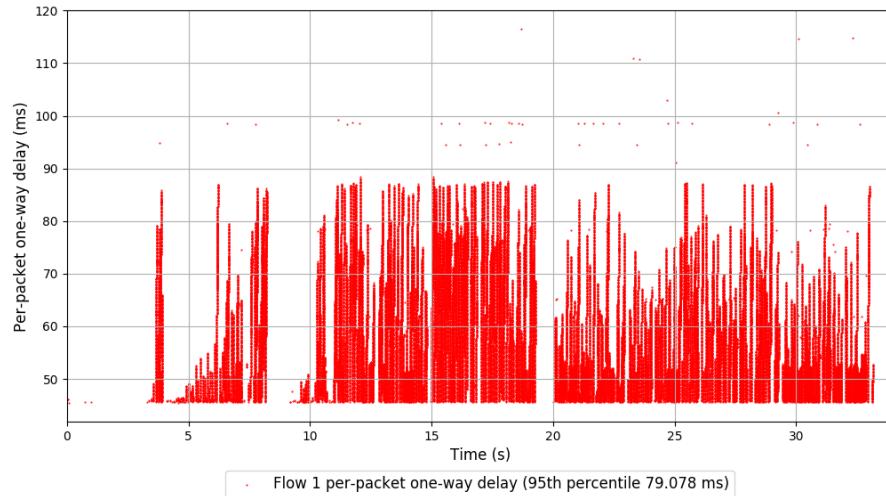
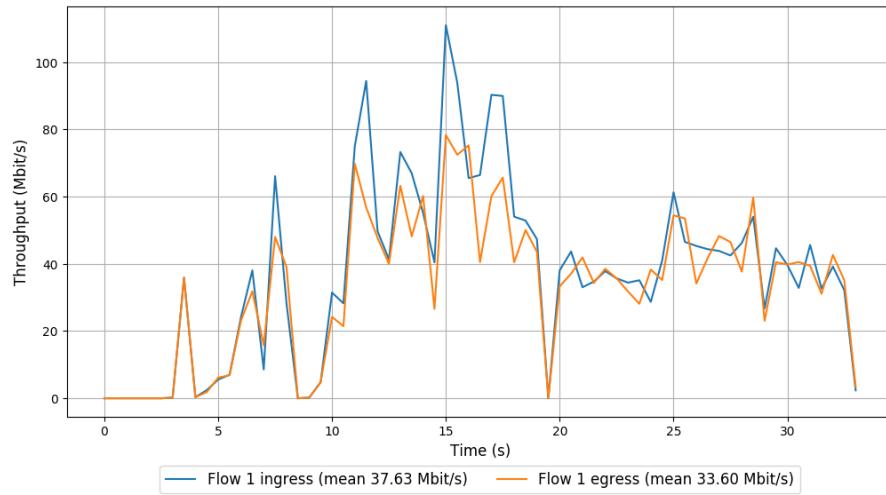


Run 3: Statistics of Verus

```
Start at: Thu, 15 Jun 2017 23:54:33 +0000
End at: Thu, 15 Jun 2017 23:55:03 +0000
Local clock offset: 3.12 ms
Remote clock offset: 0.13 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:08:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 79.078 ms
Loss rate: 10.71%
-- Flow 1:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 79.078 ms
Loss rate: 10.71%
```

Run 3: Report of Verus — Data Link

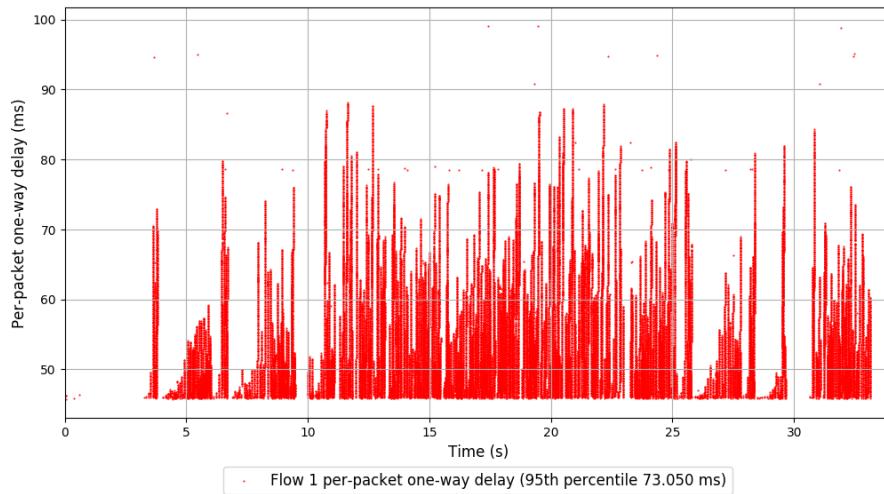
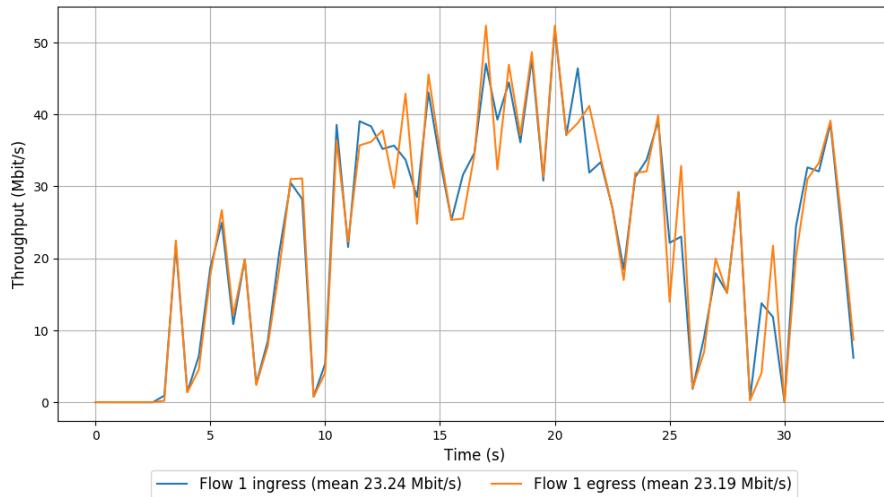


Run 4: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 00:13:15 +0000
End at: Fri, 16 Jun 2017 00:13:45 +0000
Local clock offset: 3.776 ms
Remote clock offset: 0.397 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:08:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 73.050 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 73.050 ms
Loss rate: 0.17%
```

Run 4: Report of Verus — Data Link

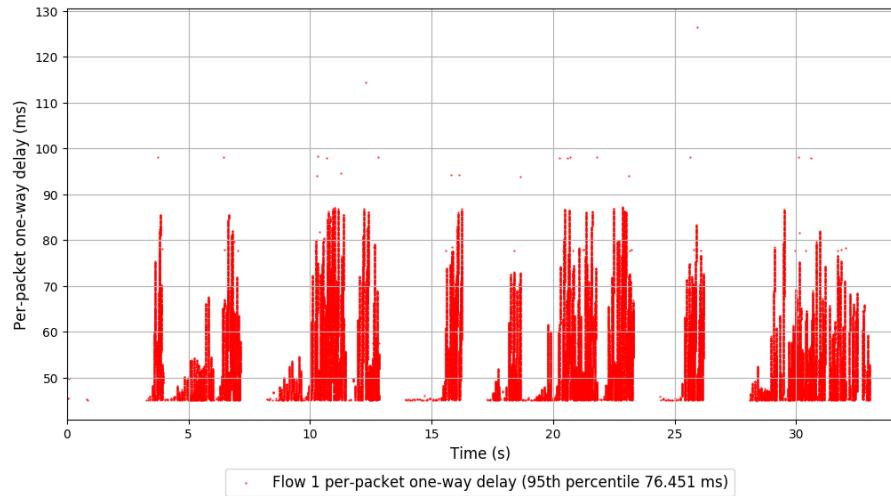
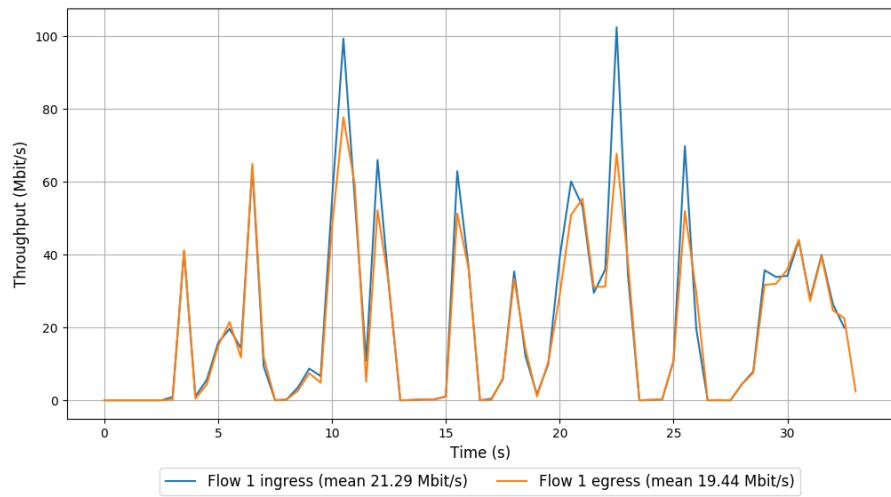


Run 5: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 00:32:21 +0000
End at: Fri, 16 Jun 2017 00:32:51 +0000
Local clock offset: 2.161 ms
Remote clock offset: 2.181 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:08:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 76.451 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 19.44 Mbit/s
95th percentile per-packet one-way delay: 76.451 ms
Loss rate: 8.67%
```

Run 5: Report of Verus — Data Link

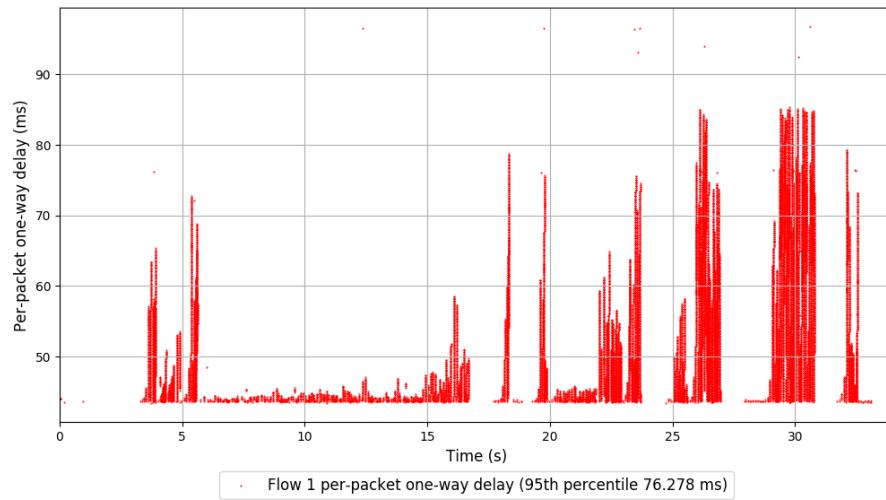
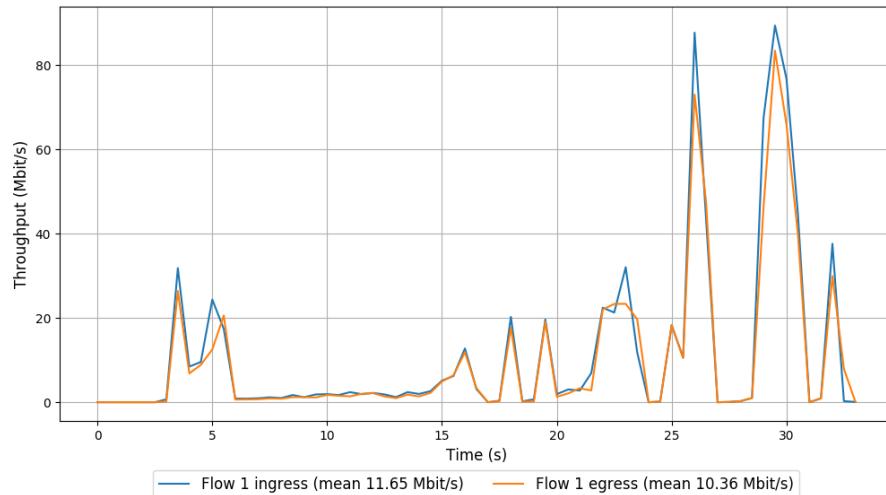


Run 6: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 00:51:17 +0000
End at: Fri, 16 Jun 2017 00:51:47 +0000
Local clock offset: -4.49 ms
Remote clock offset: 0.785 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:08:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 76.278 ms
Loss rate: 11.06%
-- Flow 1:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 76.278 ms
Loss rate: 11.06%
```

Run 6: Report of Verus — Data Link

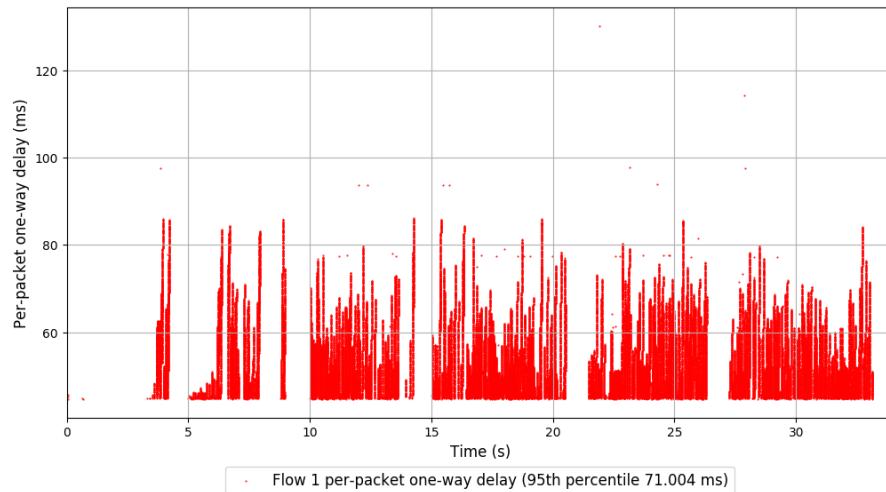
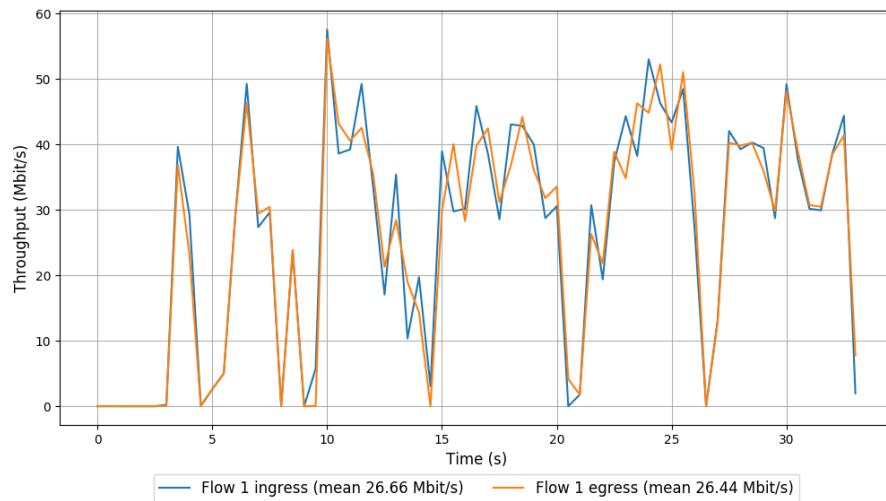


Run 7: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 01:09:00 +0000
End at: Fri, 16 Jun 2017 01:09:30 +0000
Local clock offset: 3.533 ms
Remote clock offset: 2.099 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 71.004 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 26.44 Mbit/s
95th percentile per-packet one-way delay: 71.004 ms
Loss rate: 0.94%
```

Run 7: Report of Verus — Data Link

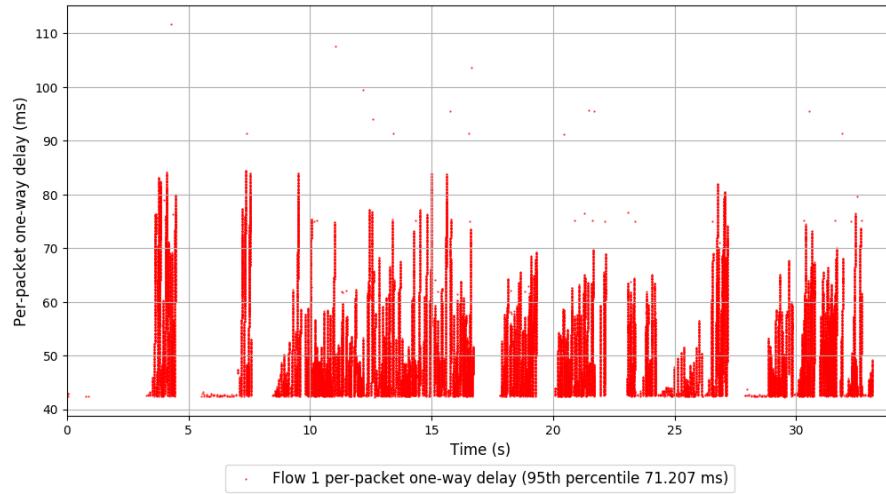
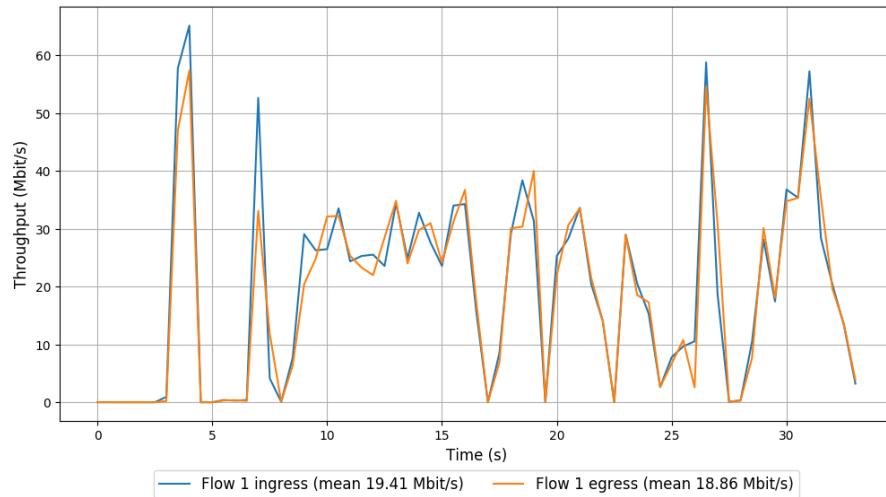


Run 8: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 01:27:43 +0000
End at: Fri, 16 Jun 2017 01:28:13 +0000
Local clock offset: -3.421 ms
Remote clock offset: 1.631 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.86 Mbit/s
95th percentile per-packet one-way delay: 71.207 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 18.86 Mbit/s
95th percentile per-packet one-way delay: 71.207 ms
Loss rate: 2.83%
```

Run 8: Report of Verus — Data Link

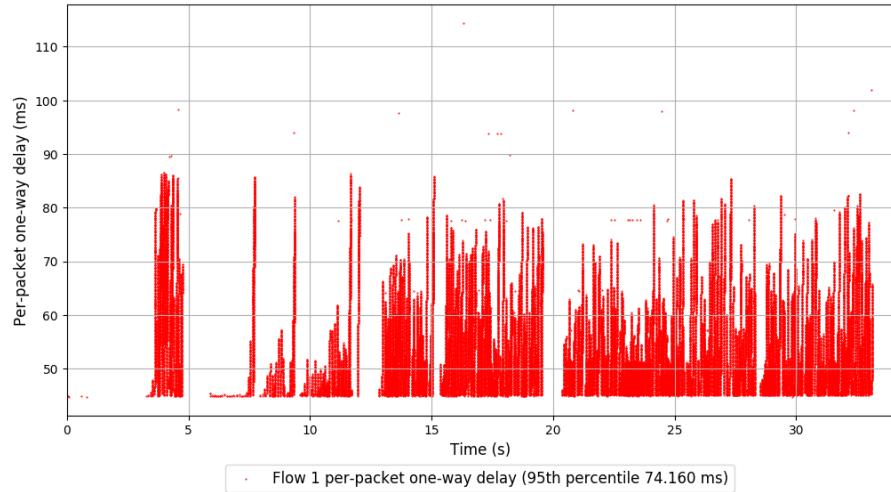
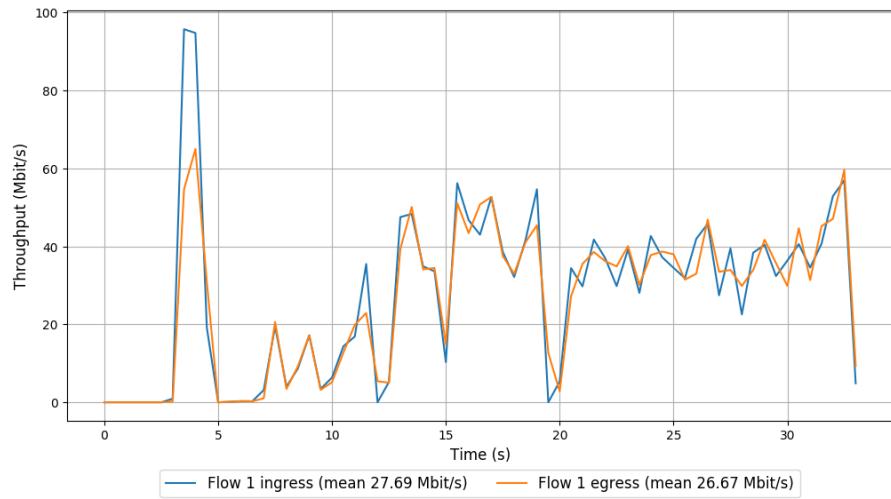


Run 9: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 01:46:29 +0000
End at: Fri, 16 Jun 2017 01:46:59 +0000
Local clock offset: 0.669 ms
Remote clock offset: 0.174 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 74.160 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 74.160 ms
Loss rate: 3.72%
```

Run 9: Report of Verus — Data Link

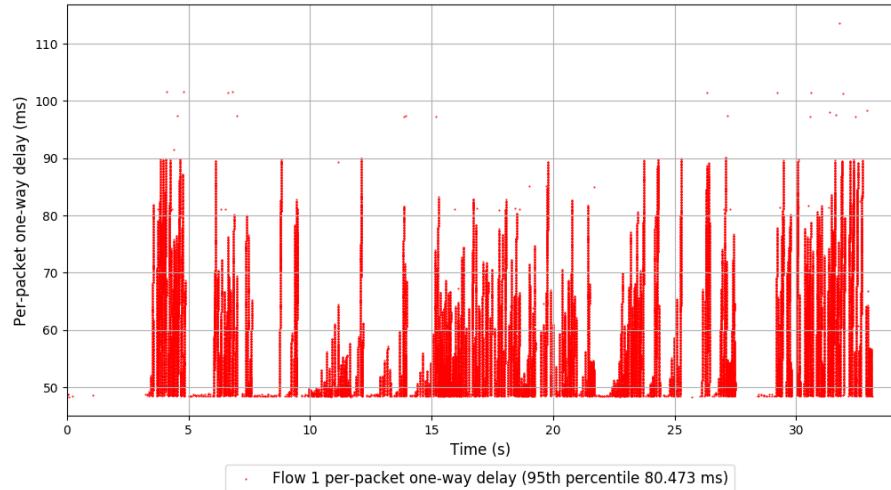
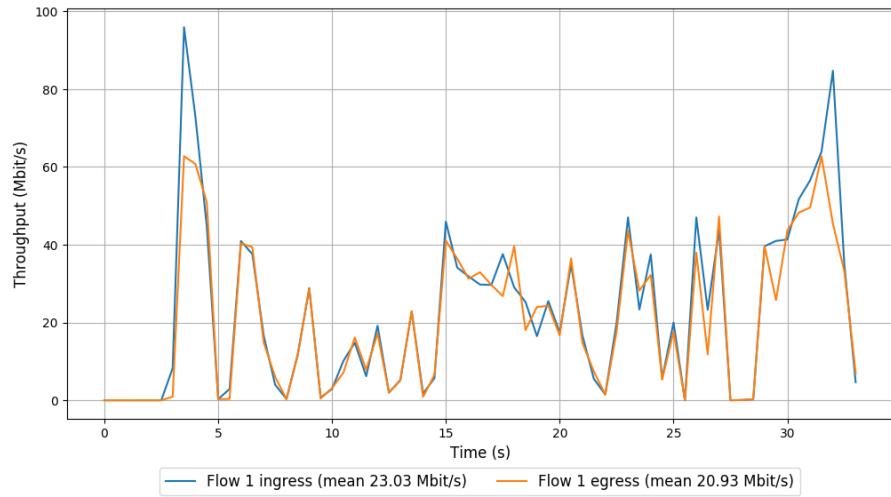


Run 10: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 02:05:32 +0000
End at: Fri, 16 Jun 2017 02:06:03 +0000
Local clock offset: -1.776 ms
Remote clock offset: 0.202 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 80.473 ms
Loss rate: 9.13%
-- Flow 1:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 80.473 ms
Loss rate: 9.13%
```

Run 10: Report of Verus — Data Link

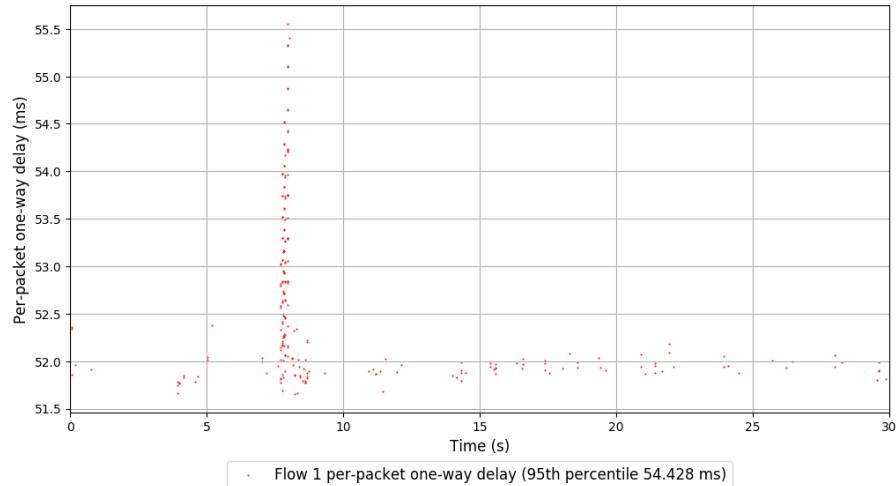
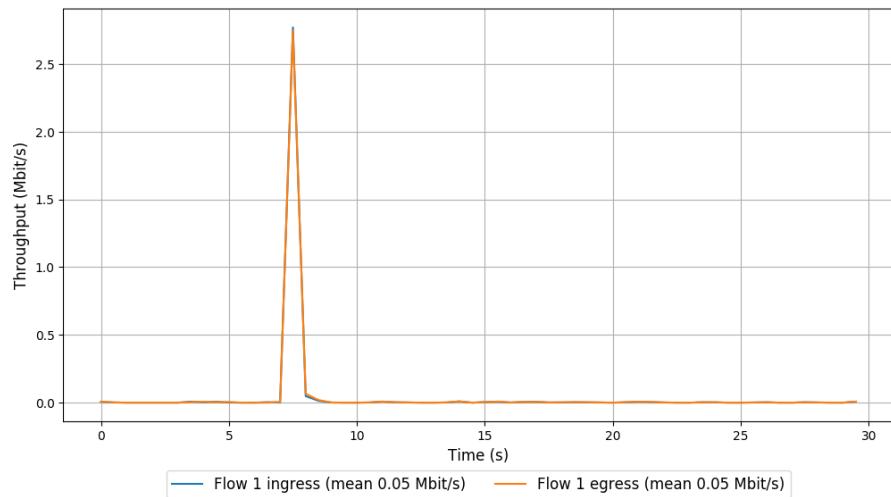


```
Run 1: Statistics of WebRTC media

Start at: Thu, 15 Jun 2017 23:27:13 +0000
End at: Thu, 15 Jun 2017 23:27:43 +0000
Local clock offset: -0.391 ms
Remote clock offset: -1.004 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.428 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

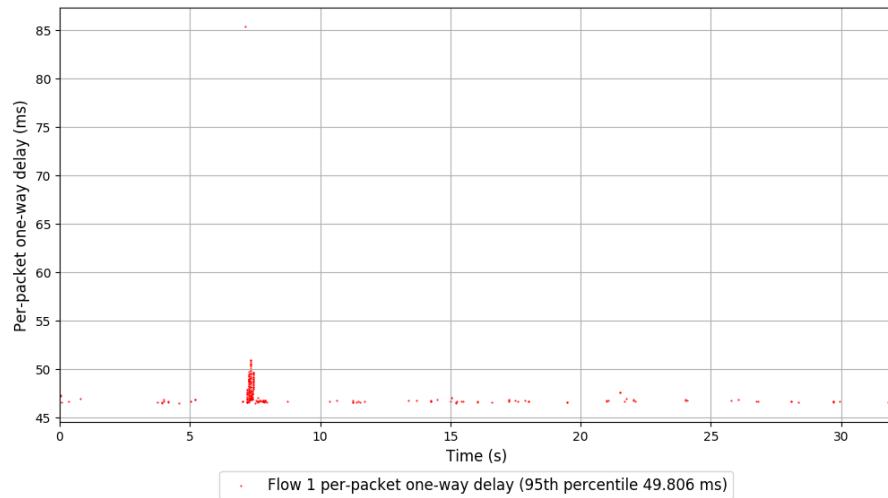
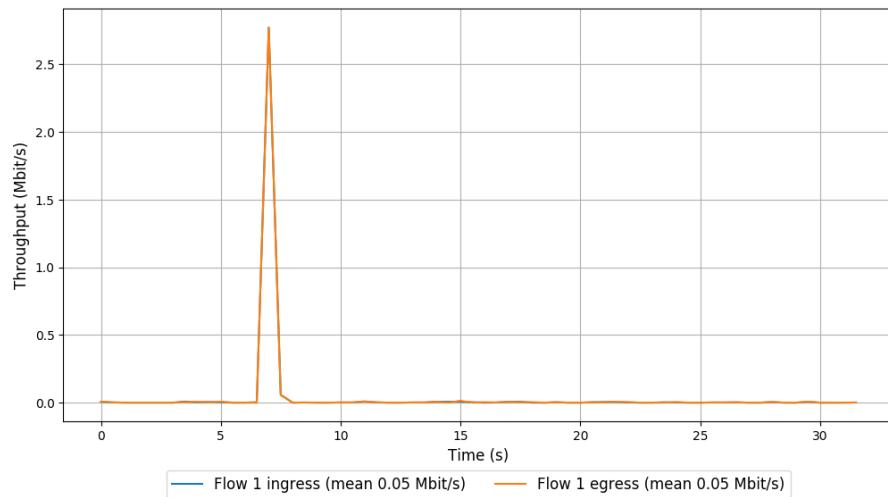


Run 2: Statistics of WebRTC media

```
Start at: Thu, 15 Jun 2017 23:46:05 +0000
End at: Thu, 15 Jun 2017 23:46:35 +0000
Local clock offset: 5.561 ms
Remote clock offset: 0.14 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 49.806 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

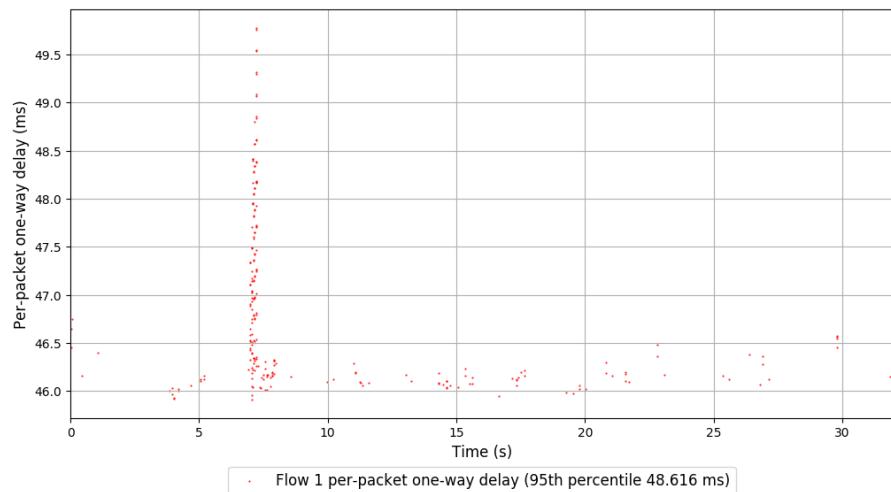
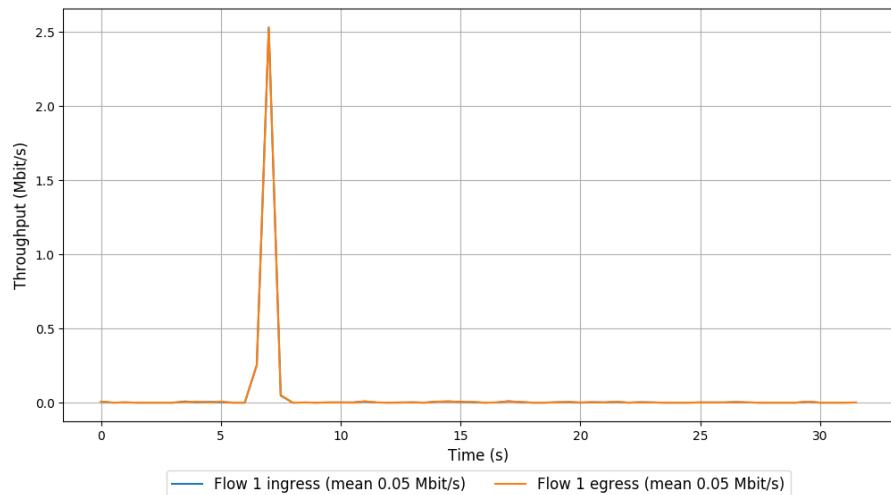


Run 3: Statistics of WebRTC media

```
Start at: Fri, 16 Jun 2017 00:04:37 +0000
End at: Fri, 16 Jun 2017 00:05:07 +0000
Local clock offset: 2.012 ms
Remote clock offset: 0.824 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.616 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

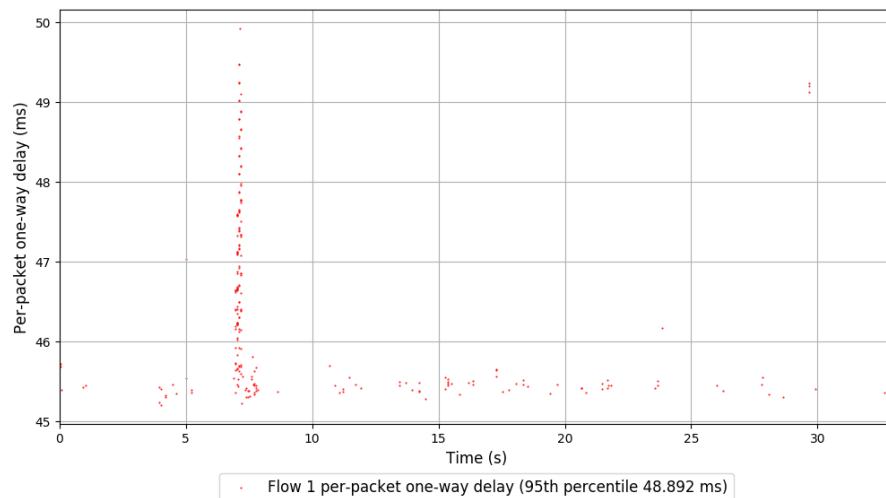
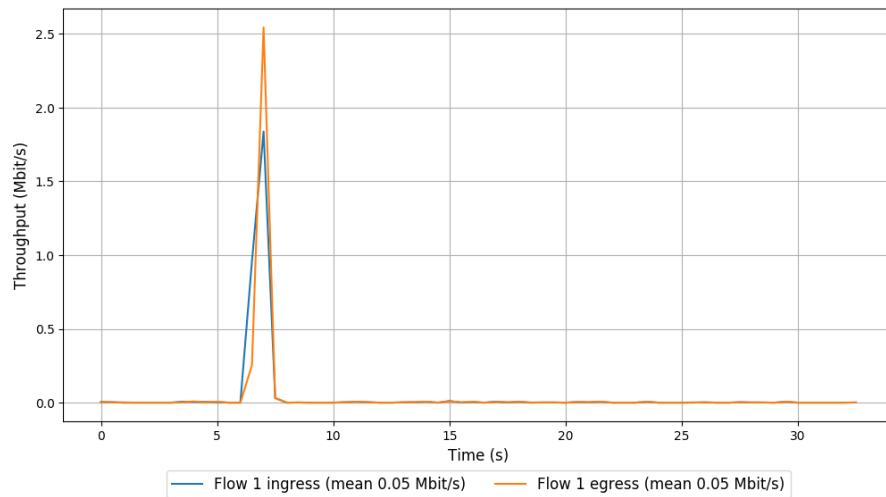


Run 4: Statistics of WebRTC media

```
Start at: Fri, 16 Jun 2017 00:23:42 +0000
End at: Fri, 16 Jun 2017 00:24:12 +0000
Local clock offset: 1.675 ms
Remote clock offset: 1.347 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.892 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



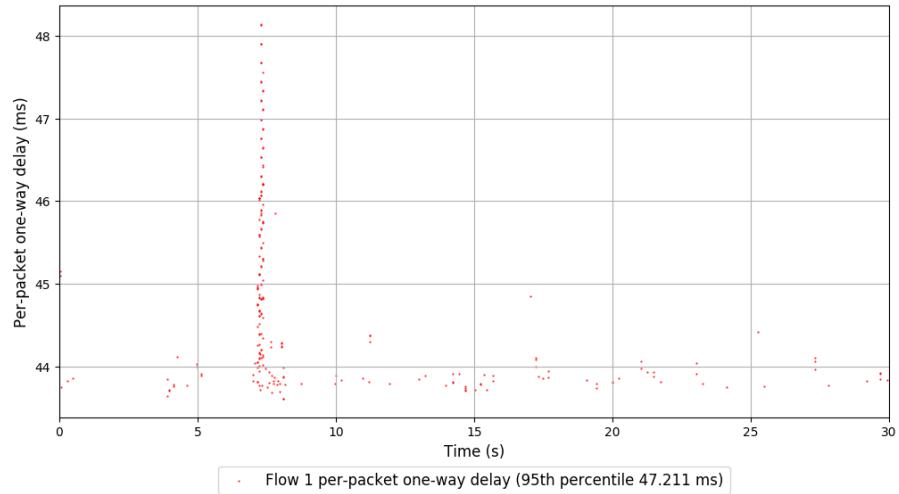
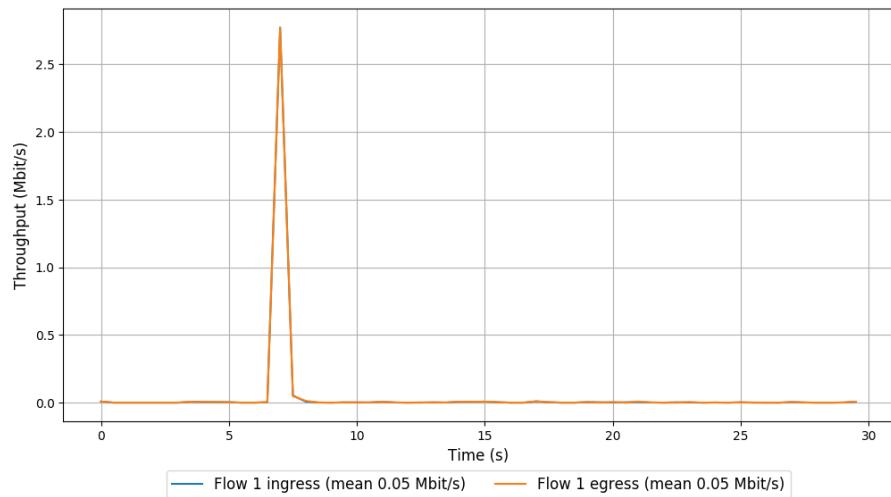
Run 5: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 00:42:38 +0000
End at: Fri, 16 Jun 2017 00:43:08 +0000

Local clock offset: 3.453 ms
Remote clock offset: 1.73 ms

```
# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.211 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.211 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 01:00:44 +0000

End at: Fri, 16 Jun 2017 01:01:14 +0000

Local clock offset: 2.043 ms

Remote clock offset: 2.833 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:09:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 45.574 ms

Loss rate: 0.26%

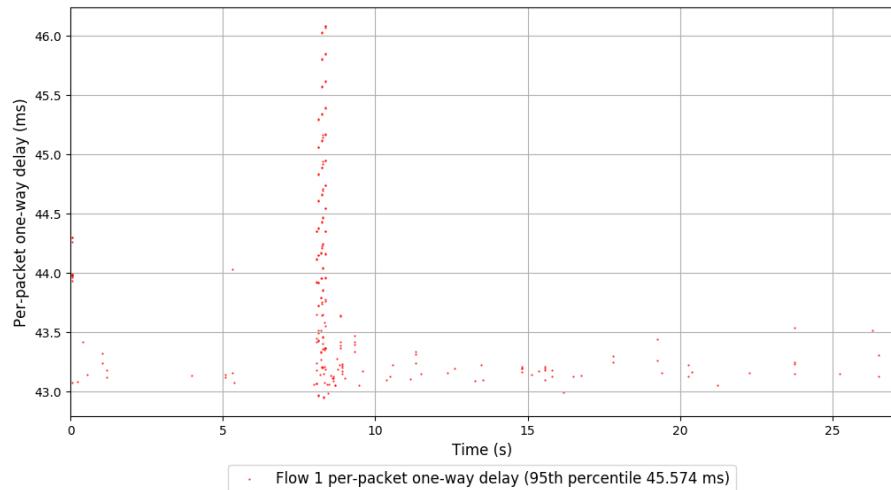
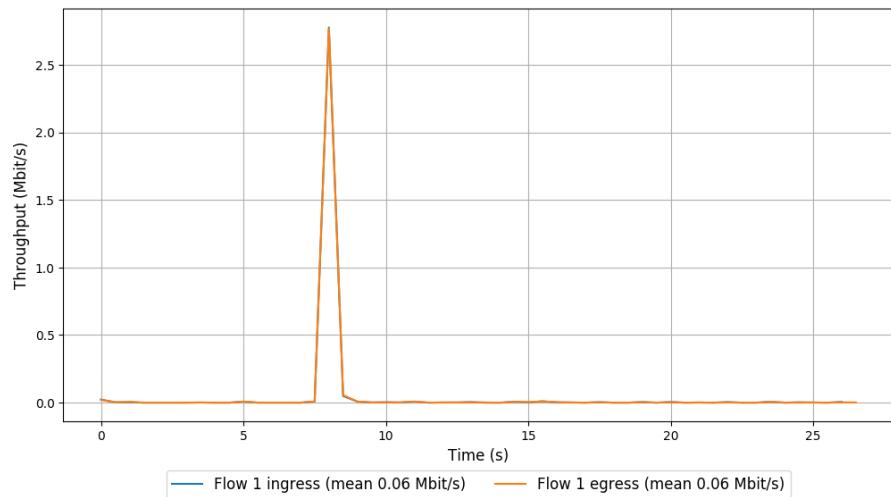
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 45.574 ms

Loss rate: 0.26%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 01:19:08 +0000

End at: Fri, 16 Jun 2017 01:19:38 +0000

Local clock offset: 2.118 ms

Remote clock offset: 2.866 ms

Below is generated by plot.py at Fri, 16 Jun 2017 07:09:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 45.461 ms

Loss rate: 0.00%

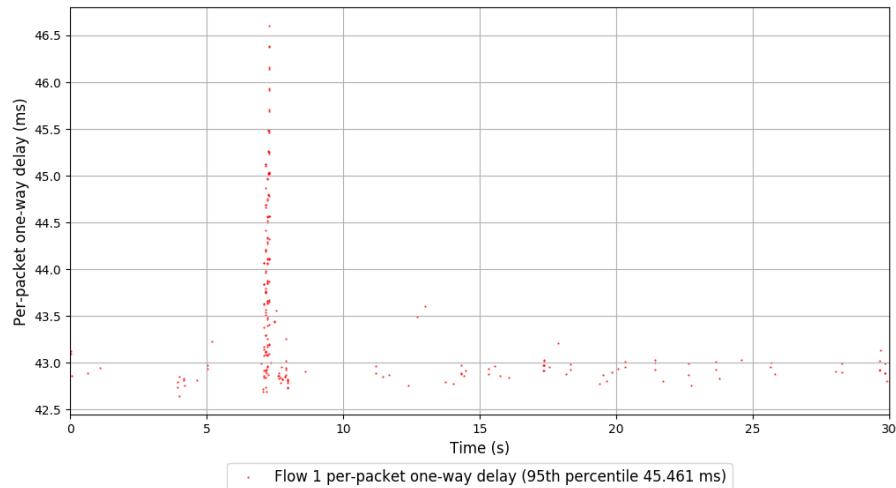
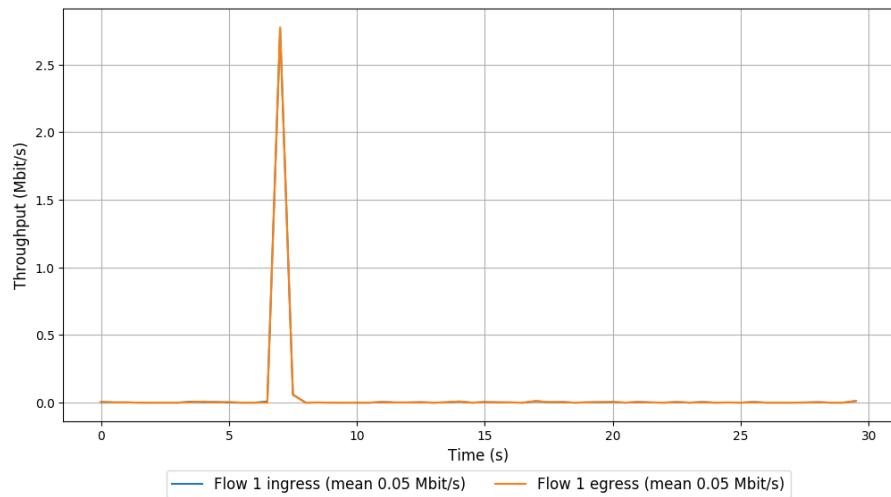
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 45.461 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

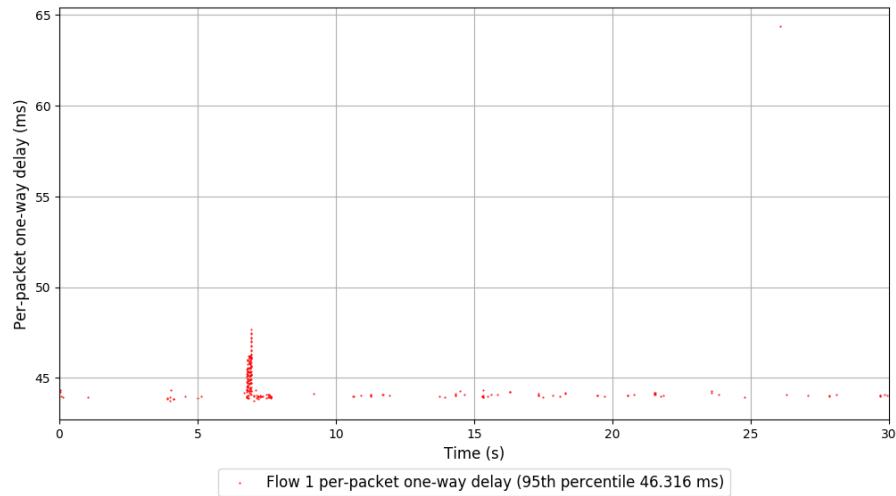
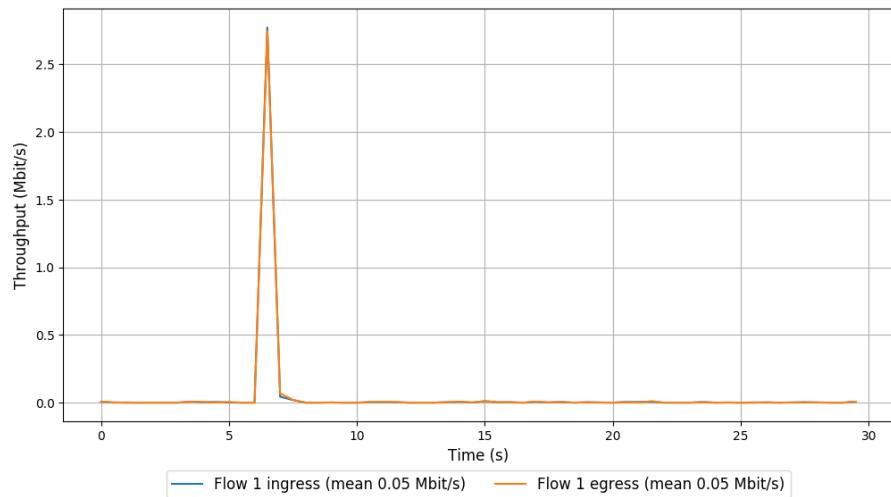


Run 8: Statistics of WebRTC media

```
Start at: Fri, 16 Jun 2017 01:37:55 +0000
End at: Fri, 16 Jun 2017 01:38:25 +0000
Local clock offset: 0.787 ms
Remote clock offset: 1.438 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:09:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.316 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

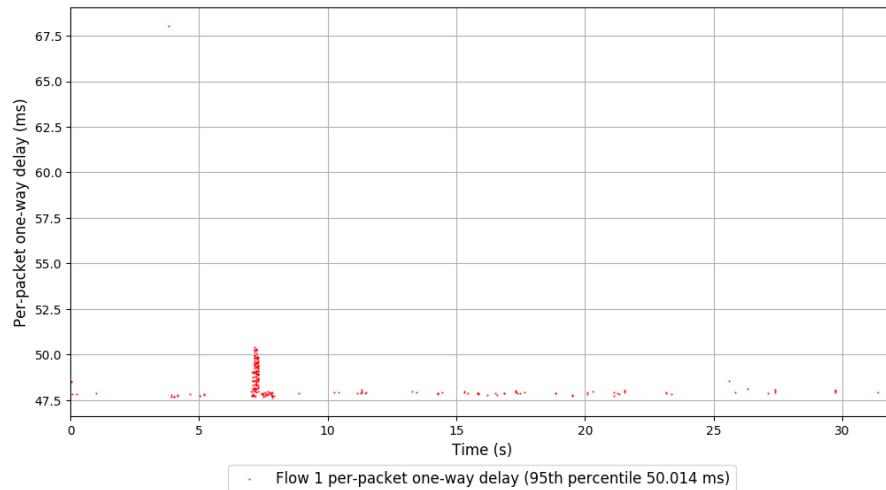
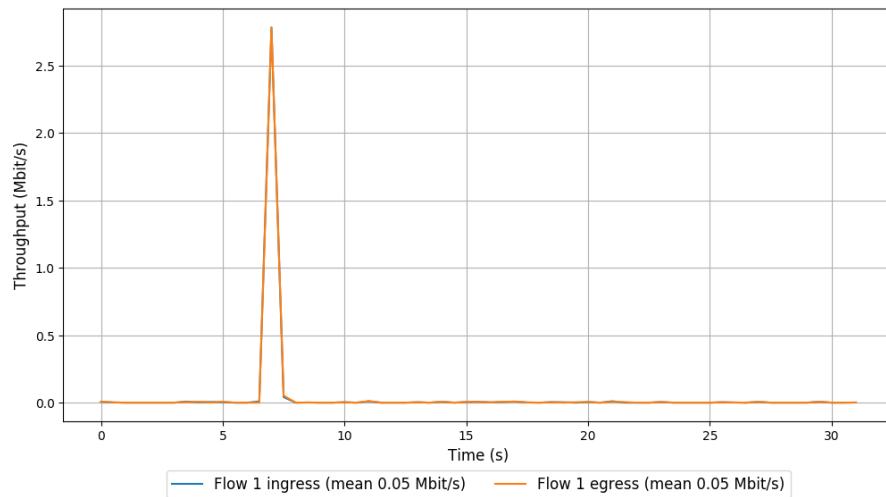


Run 9: Statistics of WebRTC media

```
Start at: Fri, 16 Jun 2017 01:56:58 +0000
End at: Fri, 16 Jun 2017 01:57:28 +0000
Local clock offset: 3.512 ms
Remote clock offset: -0.104 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:10:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.014 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 02:16:02 +0000
End at: Fri, 16 Jun 2017 02:16:32 +0000
Local clock offset: 2.689 ms
Remote clock offset: -0.31 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:10:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 50.794 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

