

**Pantheon Summary** (Generated at Wed, 05 Jul 2017 01:48:06 +0000 with pantheon version afeabcbf9f0bccb7f5555428c3b5bcceec857e76)

Repeated the test of 15 congestion control schemes 10 times.

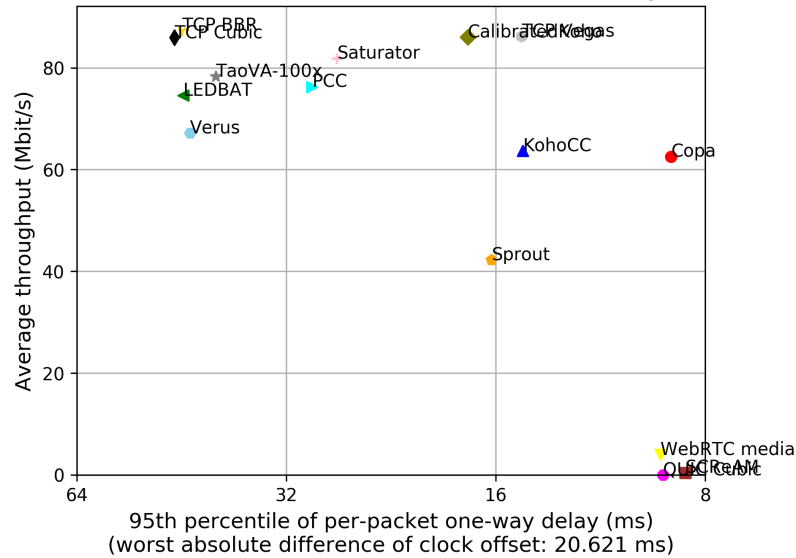
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

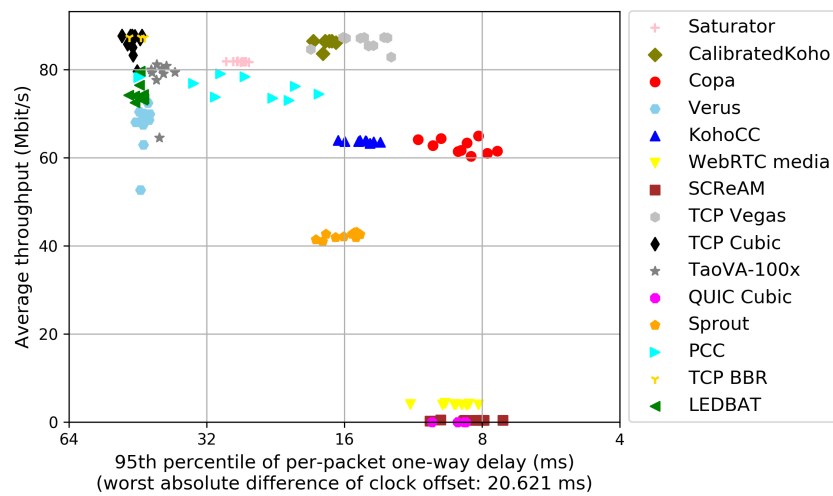
NTP offset measured against nets.org.sg.

```
git branch: master @ afeabcbf9f0bccb7f5555428c3b5bcceec857e76
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 @ c792f8e8e0704b1646a0e024766675d8e9a835f1
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)

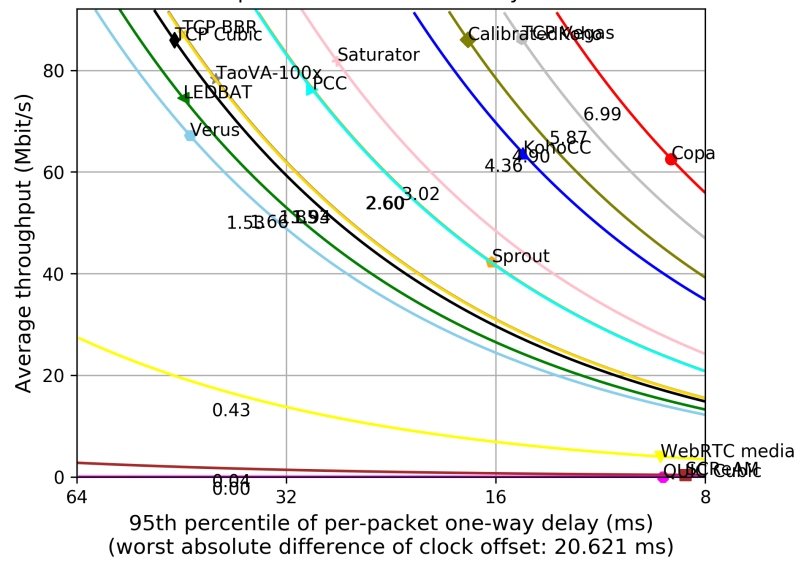


test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows





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



Run 1: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 18:37:19 +0000

End at: Tue, 04 Jul 2017 18:37:49 +0000

Local clock offset: 0.148 ms

Remote clock offset: -16.735 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:35:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.35 Mbit/s

95th percentile per-packet one-way delay: 47.219 ms

Loss rate: 3.41%

-- Flow 1:

Average throughput: 50.71 Mbit/s

95th percentile per-packet one-way delay: 46.800 ms

Loss rate: 2.29%

-- Flow 2:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 47.626 ms

Loss rate: 4.68%

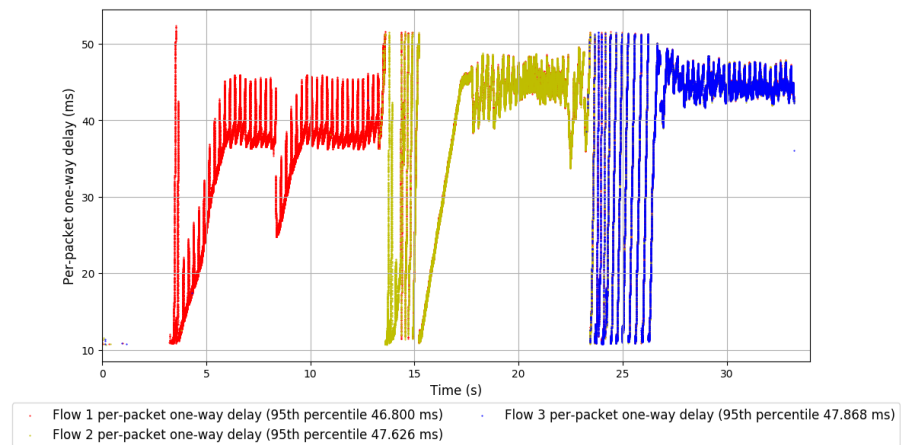
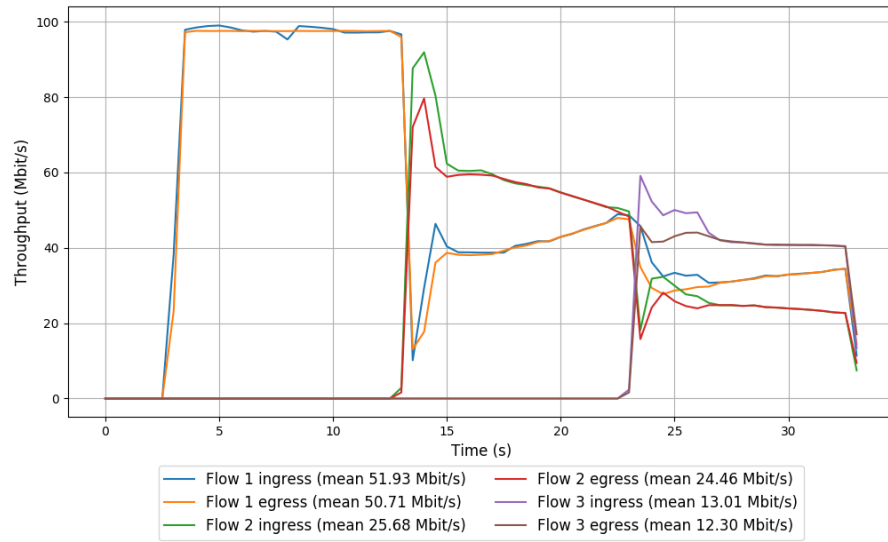
-- Flow 3:

Average throughput: 12.30 Mbit/s

95th percentile per-packet one-way delay: 47.868 ms

Loss rate: 5.40%

# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

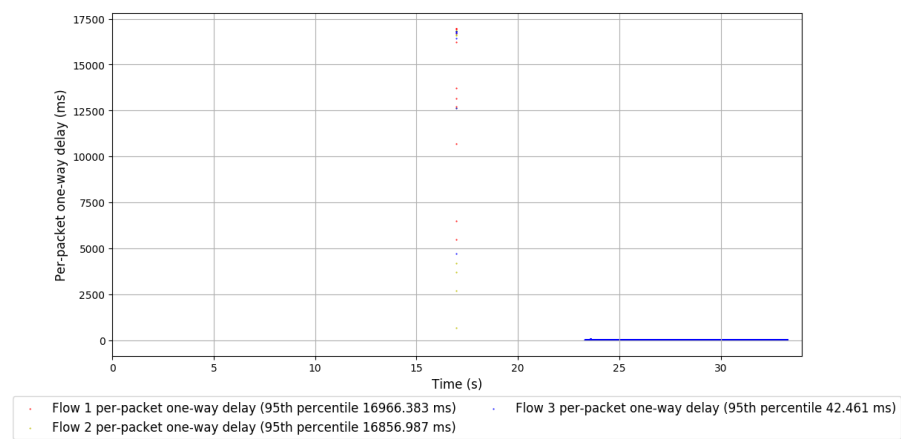
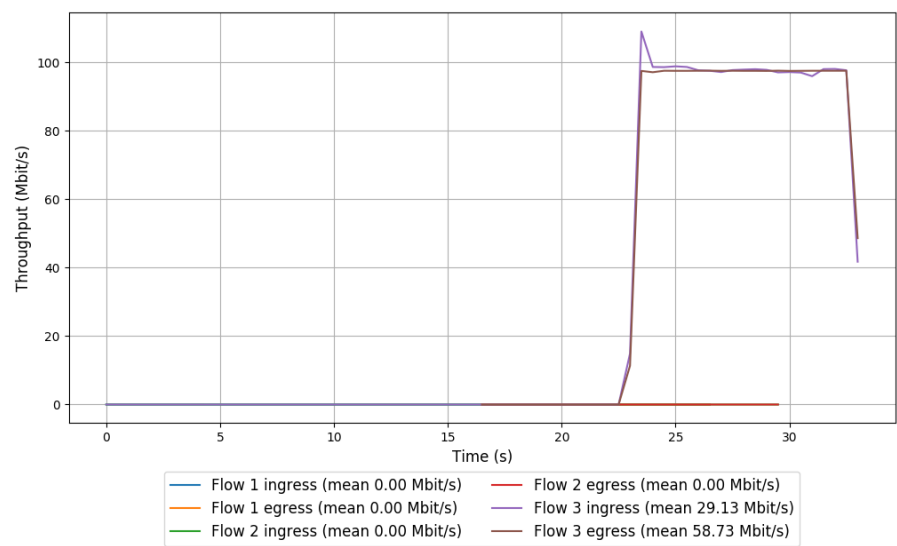
Start at: Tue, 04 Jul 2017 18:55:24 +0000

End at: Tue, 04 Jul 2017 18:55:54 +0000

Local clock offset: 1.732 ms

Remote clock offset: -15.153 ms

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

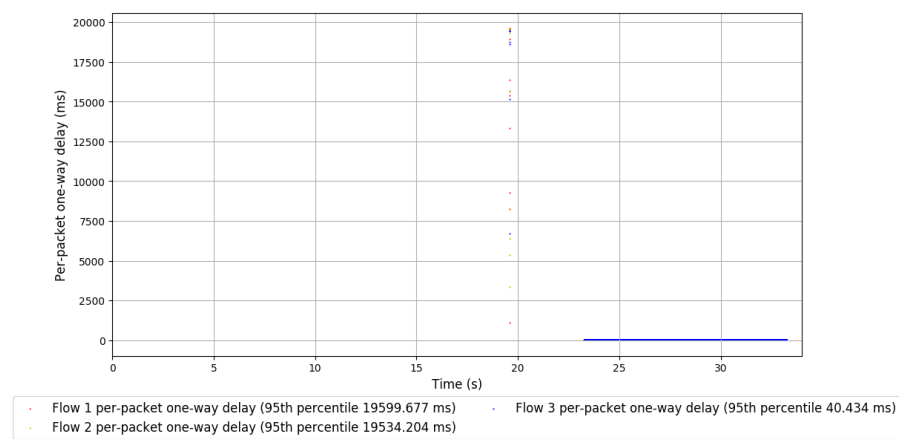
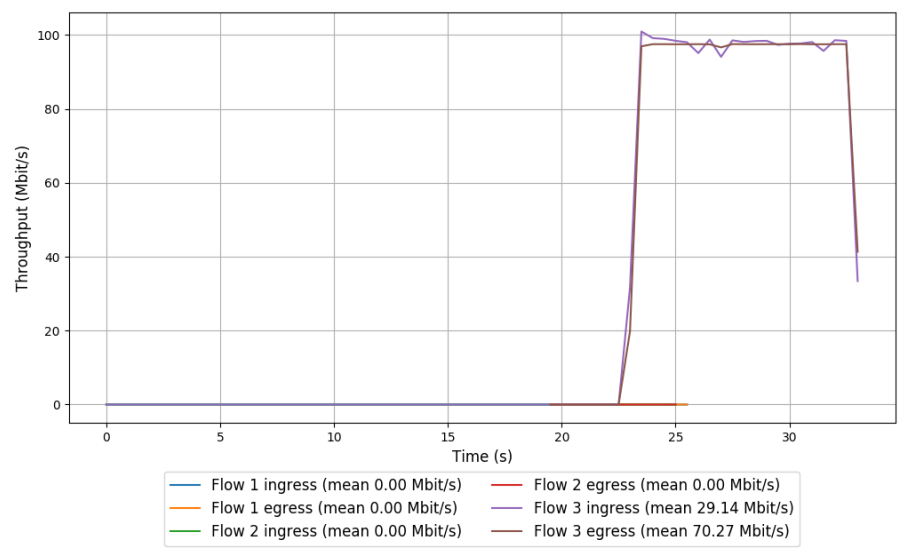
Start at: Tue, 04 Jul 2017 19:13:48 +0000

End at: Tue, 04 Jul 2017 19:14:18 +0000

Local clock offset: 2.331 ms

Remote clock offset: -16.815 ms

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:32:03 +0000

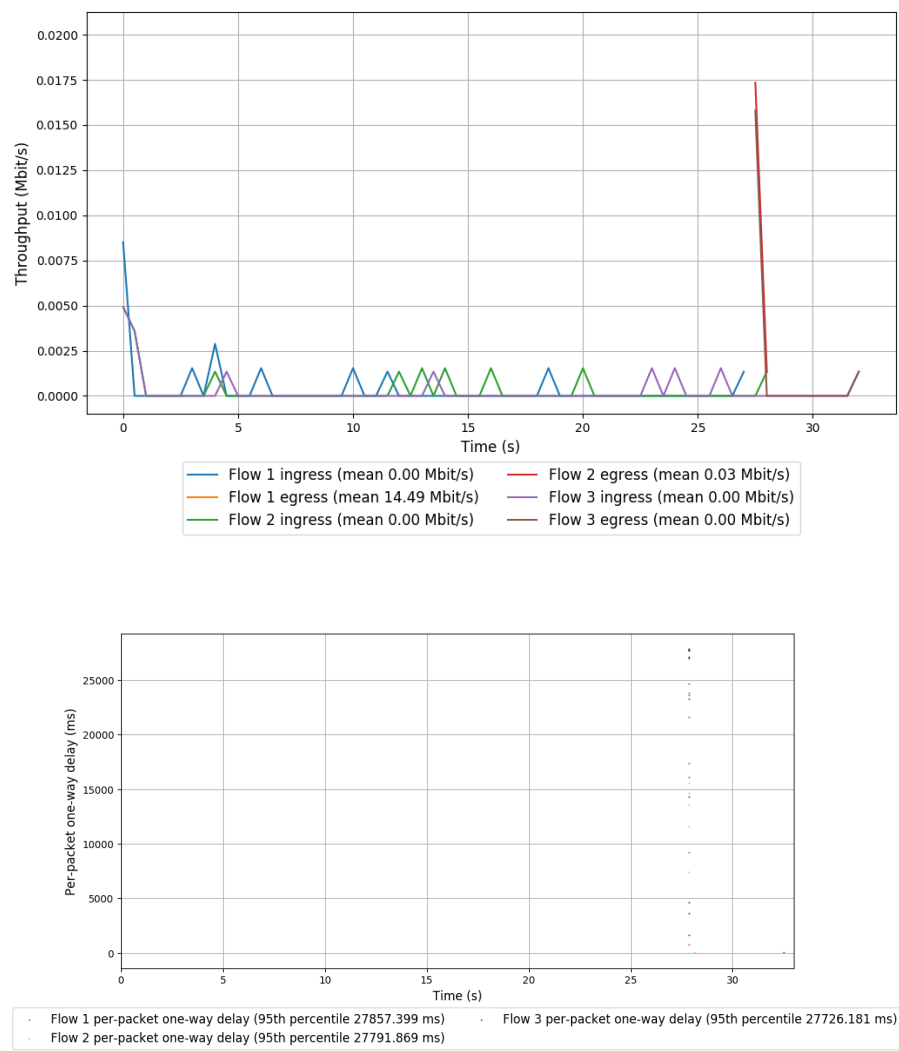
End at: Tue, 04 Jul 2017 19:32:33 +0000

Local clock offset: 1.118 ms

Remote clock offset: -15.015 ms



Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

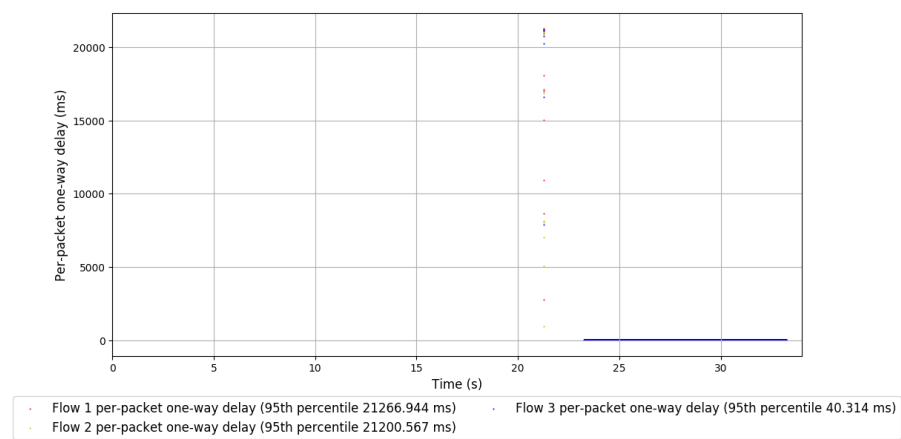
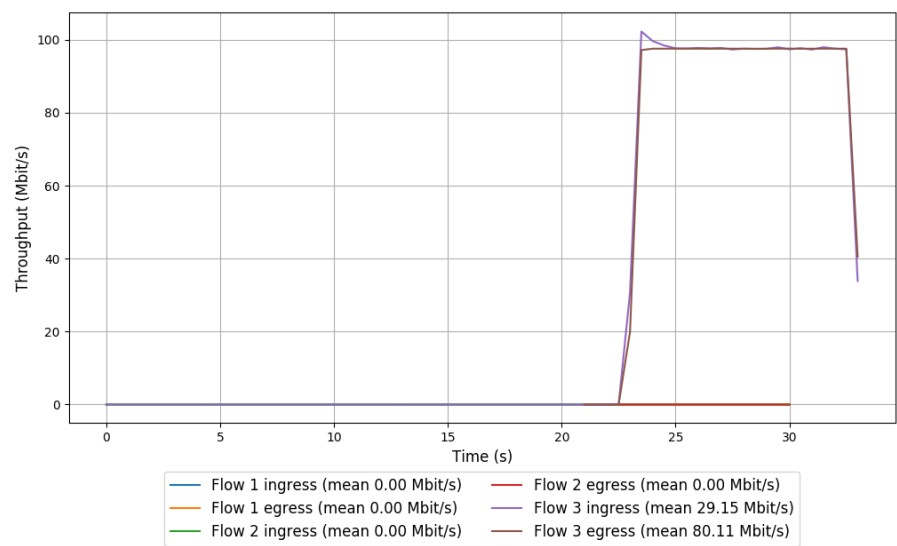
Start at: Tue, 04 Jul 2017 19:50:23 +0000

End at: Tue, 04 Jul 2017 19:50:53 +0000

Local clock offset: -0.517 ms

Remote clock offset: -14.383 ms

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:09:32 +0000

End at: Tue, 04 Jul 2017 20:10:02 +0000

Local clock offset: 1.179 ms

Remote clock offset: -15.683 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:35:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.31 Mbit/s

95th percentile per-packet one-way delay: 44.620 ms

Loss rate: 2.98%

-- Flow 1:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 44.083 ms

Loss rate: 1.88%

-- Flow 2:

Average throughput: 23.45 Mbit/s

95th percentile per-packet one-way delay: 44.945 ms

Loss rate: 4.28%

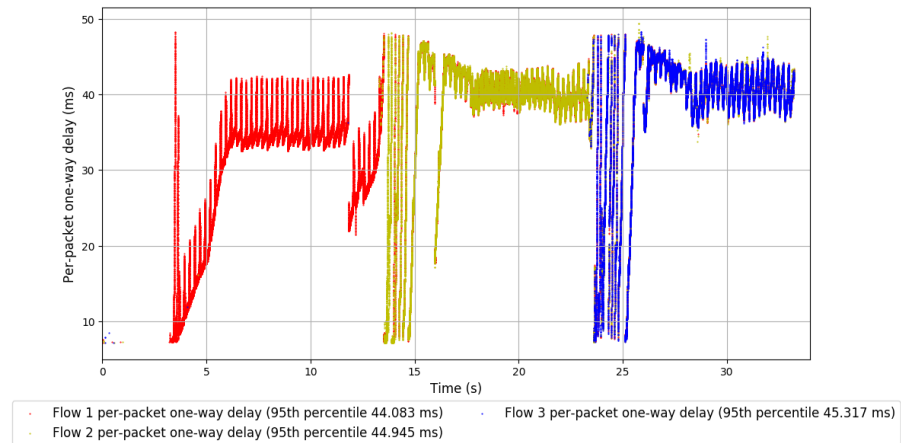
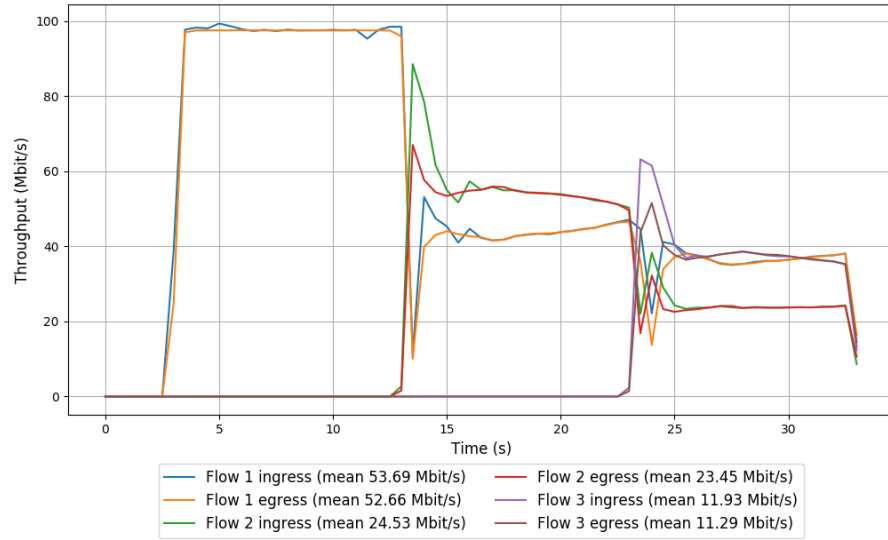
-- Flow 3:

Average throughput: 11.29 Mbit/s

95th percentile per-packet one-way delay: 45.317 ms

Loss rate: 5.28%

# Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:28:54 +0000

End at: Tue, 04 Jul 2017 20:29:24 +0000

Local clock offset: -4.907 ms

Remote clock offset: -20.004 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:35:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.24 Mbit/s

95th percentile per-packet one-way delay: 43.731 ms

Loss rate: 3.73%

-- Flow 1:

Average throughput: 53.83 Mbit/s

95th percentile per-packet one-way delay: 43.126 ms

Loss rate: 2.69%

-- Flow 2:

Average throughput: 21.84 Mbit/s

95th percentile per-packet one-way delay: 44.620 ms

Loss rate: 5.00%

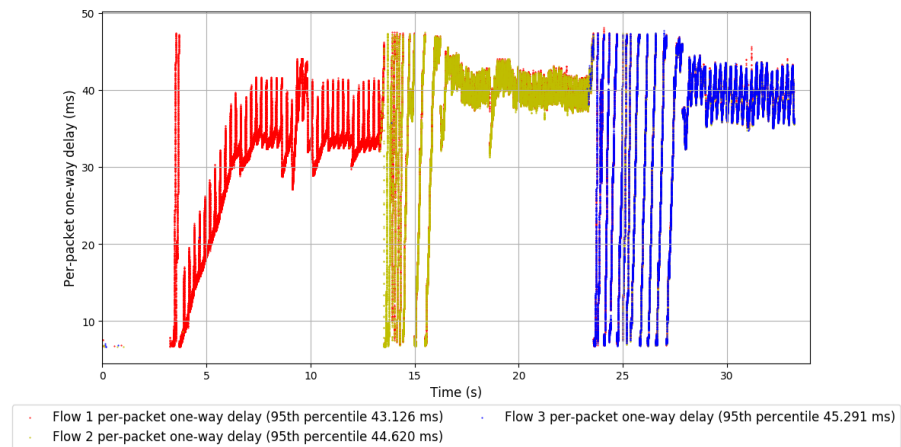
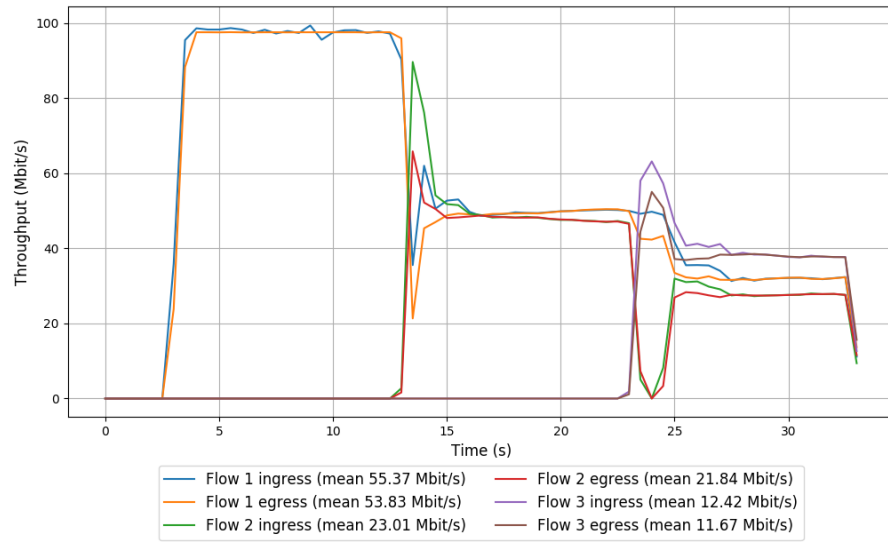
-- Flow 3:

Average throughput: 11.67 Mbit/s

95th percentile per-packet one-way delay: 45.291 ms

Loss rate: 6.04%

## Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:47:36 +0000

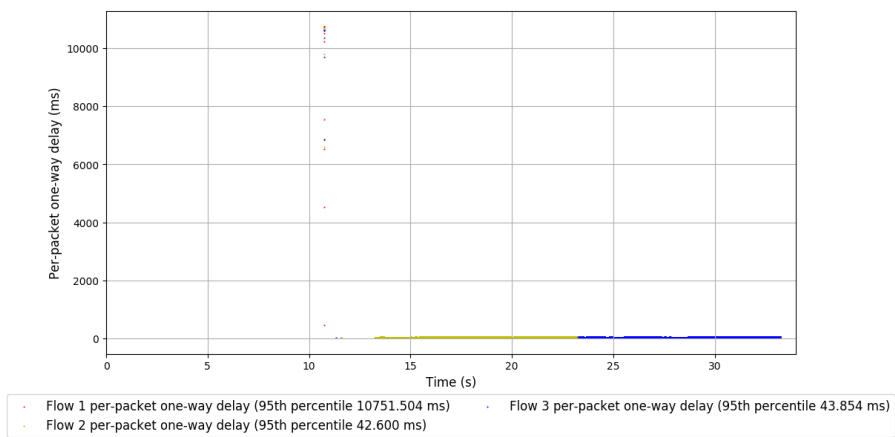
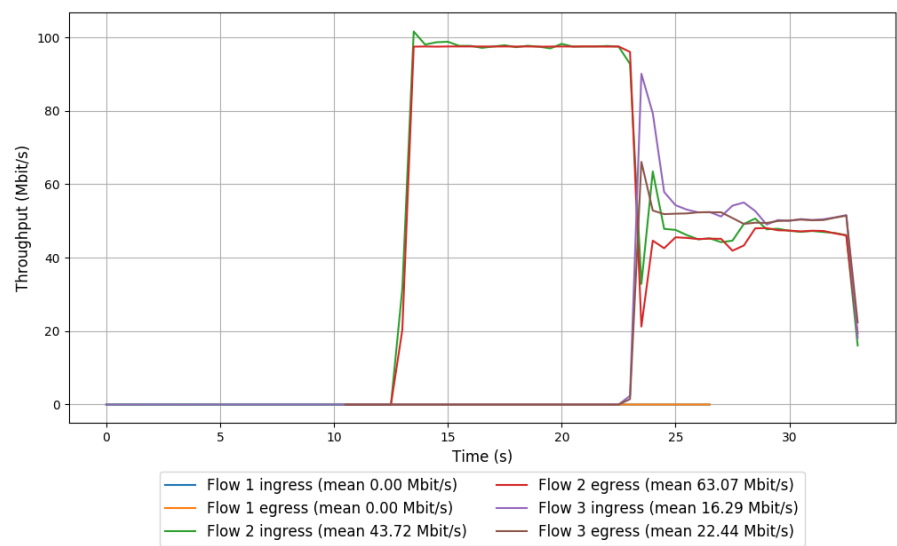
End at: Tue, 04 Jul 2017 20:48:06 +0000

Local clock offset: 1.181 ms

Remote clock offset: -16.721 ms



Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

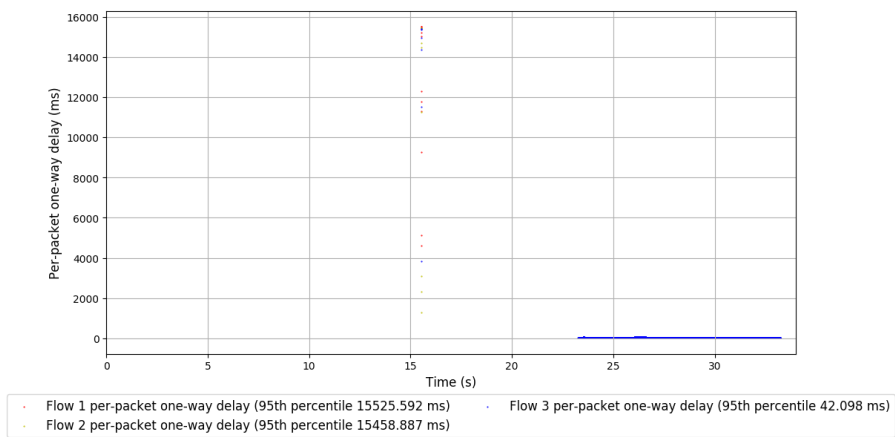
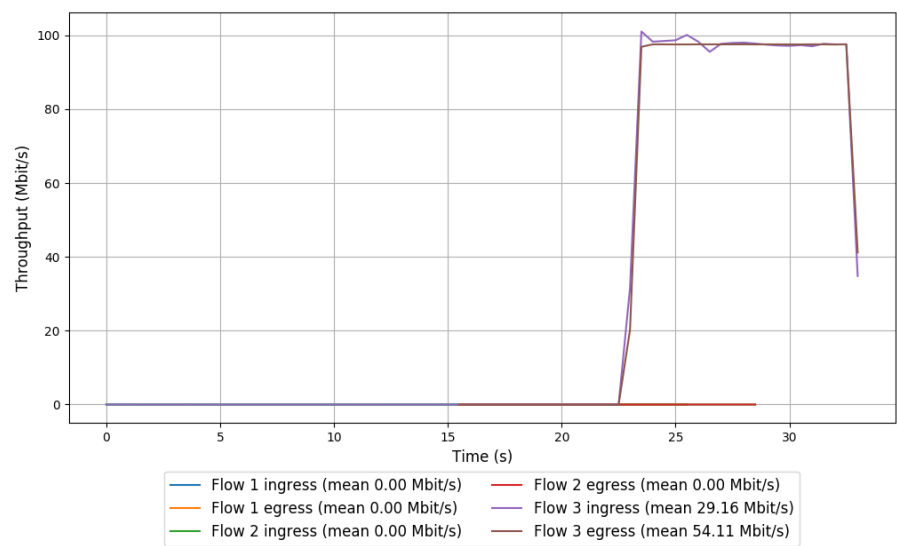
Start at: Tue, 04 Jul 2017 21:06:42 +0000

End at: Tue, 04 Jul 2017 21:07:12 +0000

Local clock offset: -1.902 ms

Remote clock offset: -15.599 ms

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

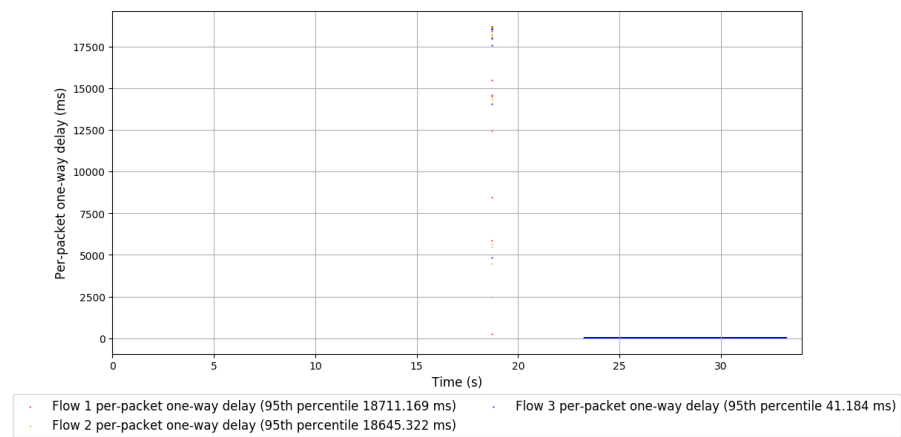
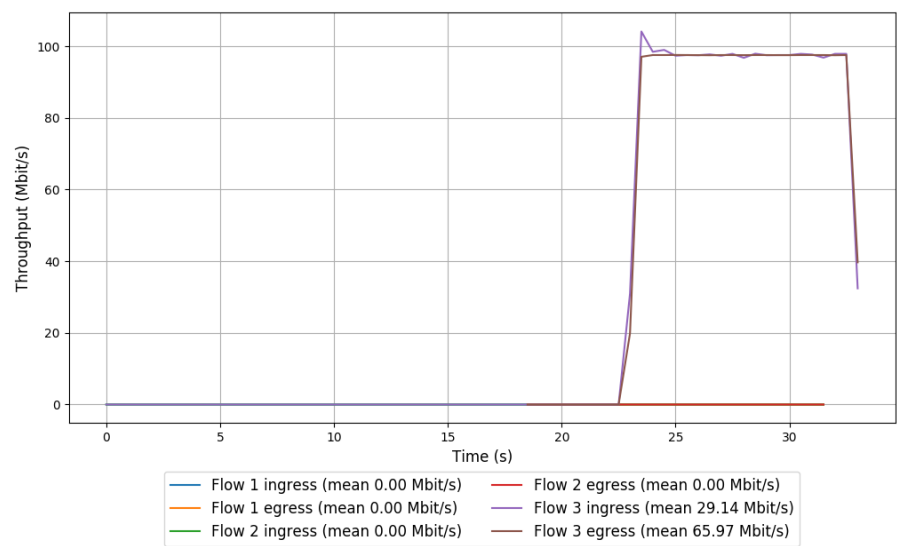
Start at: Tue, 04 Jul 2017 21:25:13 +0000

End at: Tue, 04 Jul 2017 21:25:43 +0000

Local clock offset: -2.405 ms

Remote clock offset: -16.303 ms

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

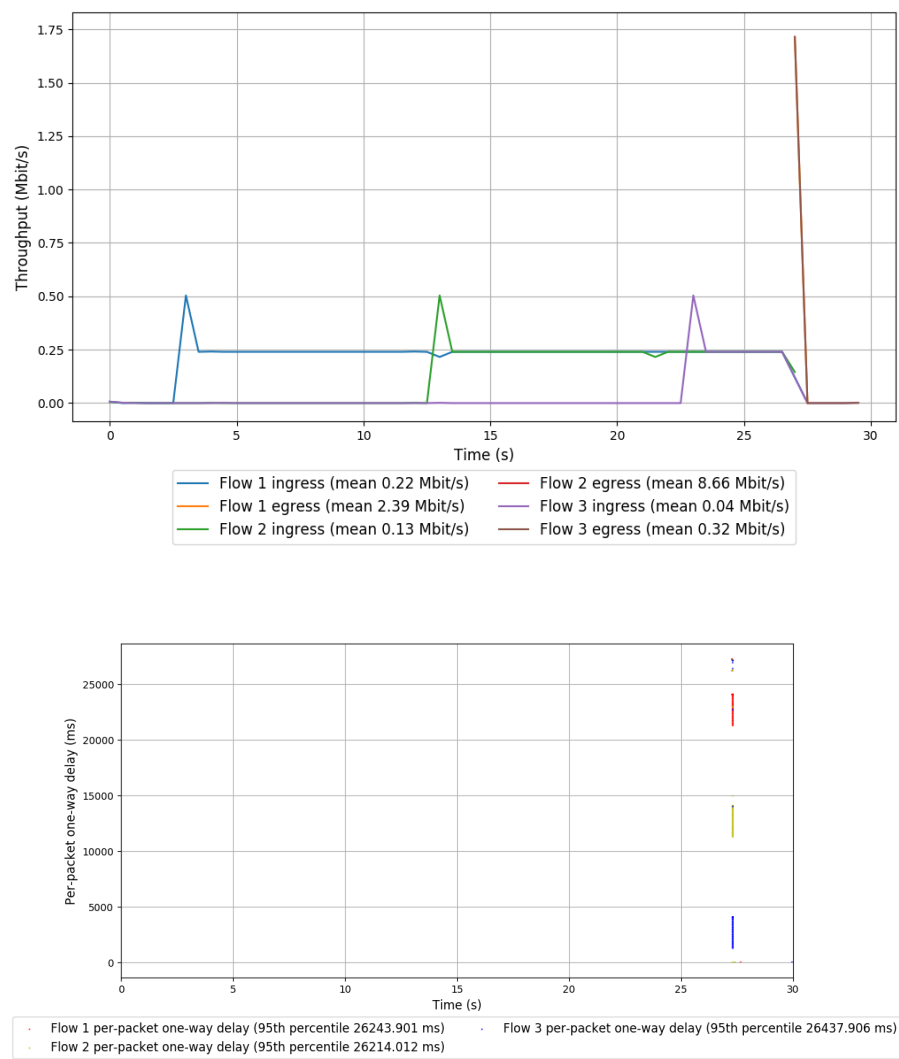
Start at: Tue, 04 Jul 2017 18:46:05 +0000

End at: Tue, 04 Jul 2017 18:46:35 +0000

Local clock offset: 2.132 ms

Remote clock offset: -16.501 ms

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:04:11 +0000

End at: Tue, 04 Jul 2017 19:04:41 +0000

Local clock offset: 2.965 ms

Remote clock offset: -16.456 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:36:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.46 Mbit/s

95th percentile per-packet one-way delay: 18.719 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.38 Mbit/s

95th percentile per-packet one-way delay: 18.551 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 18.775 ms

Loss rate: 0.00%

-- Flow 3:

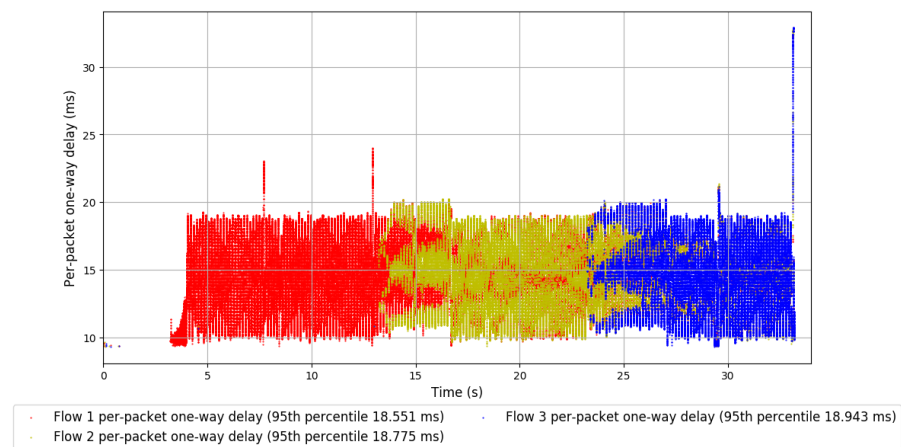
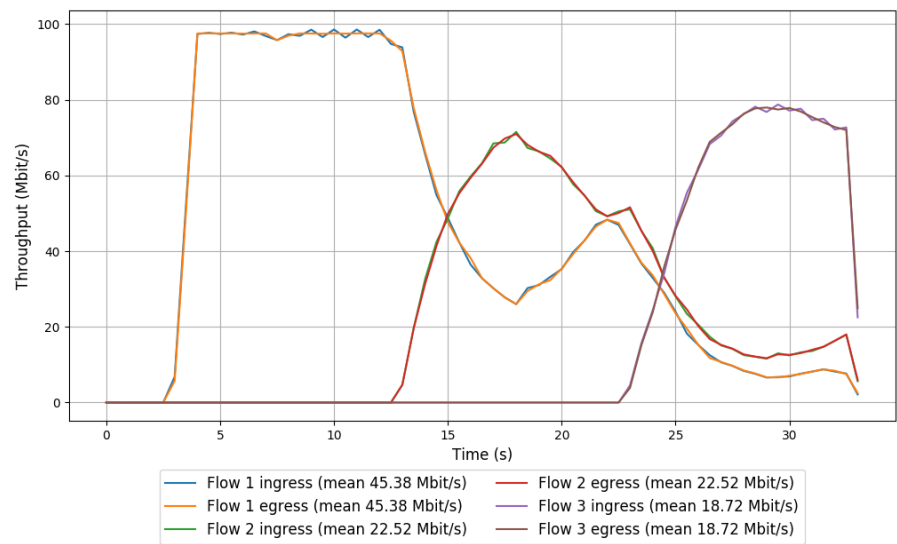
Average throughput: 18.72 Mbit/s

95th percentile per-packet one-way delay: 18.943 ms

Loss rate: 0.00%



Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:22:30 +0000

End at: Tue, 04 Jul 2017 19:23:00 +0000

Local clock offset: 0.455 ms

Remote clock offset: -17.249 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:36:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.64 Mbit/s

95th percentile per-packet one-way delay: 17.832 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 37.15 Mbit/s

95th percentile per-packet one-way delay: 17.606 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 18.096 ms

Loss rate: 0.07%

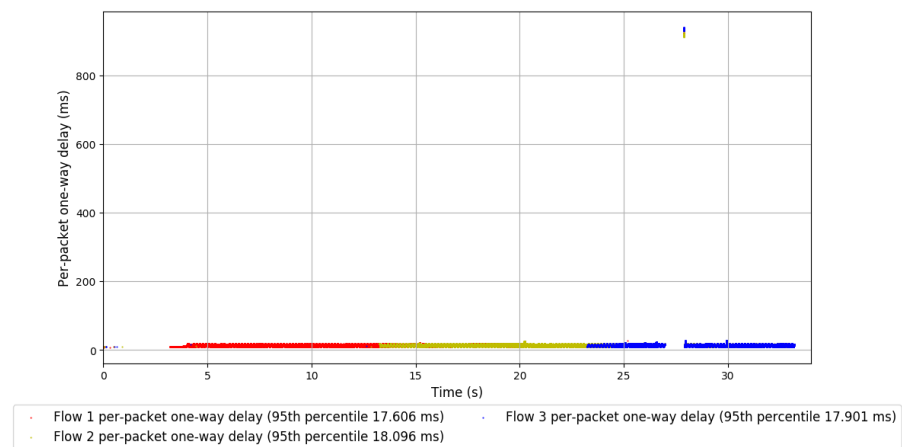
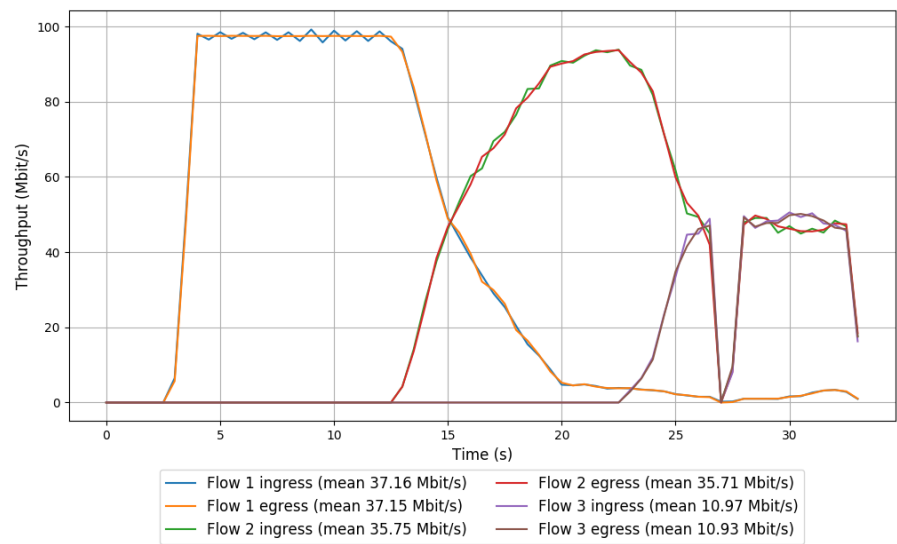
-- Flow 3:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 17.901 ms

Loss rate: 0.32%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:40:39 +0000

End at: Tue, 04 Jul 2017 19:41:09 +0000

Local clock offset: 0.317 ms

Remote clock offset: -16.695 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:36:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 17.277 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.28 Mbit/s

95th percentile per-packet one-way delay: 16.547 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.09 Mbit/s

95th percentile per-packet one-way delay: 17.520 ms

Loss rate: 0.00%

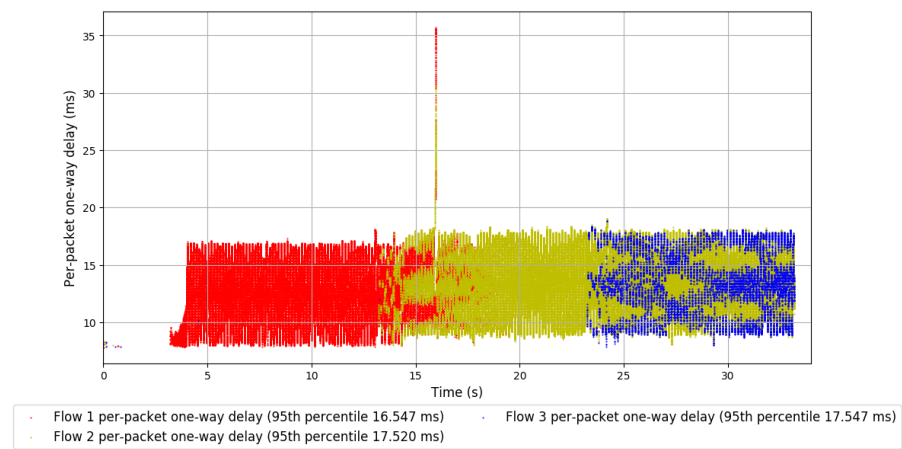
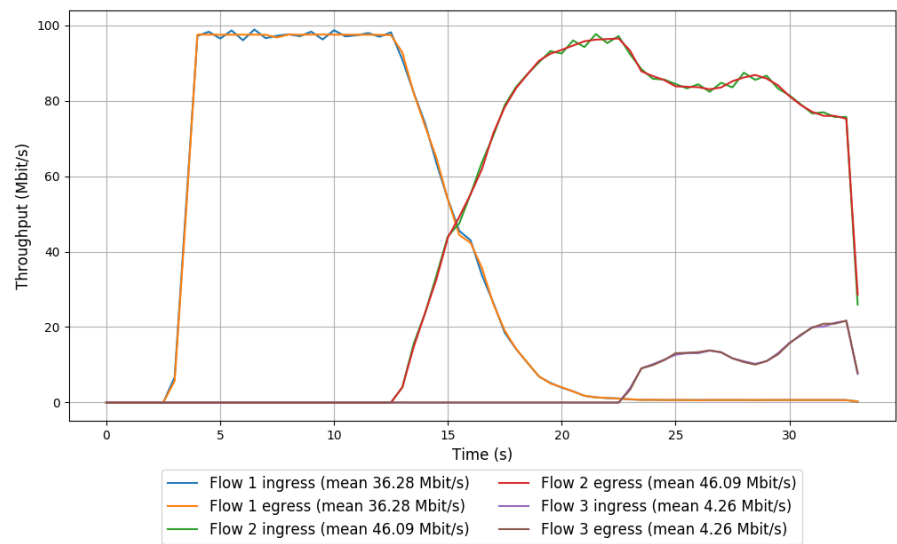
-- Flow 3:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 17.547 ms

Loss rate: 0.00%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:59:22 +0000

End at: Tue, 04 Jul 2017 19:59:52 +0000

Local clock offset: -1.388 ms

Remote clock offset: -15.042 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:36:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.20 Mbit/s

95th percentile per-packet one-way delay: 16.692 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.14 Mbit/s

95th percentile per-packet one-way delay: 16.664 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.71 Mbit/s

95th percentile per-packet one-way delay: 16.715 ms

Loss rate: 0.00%

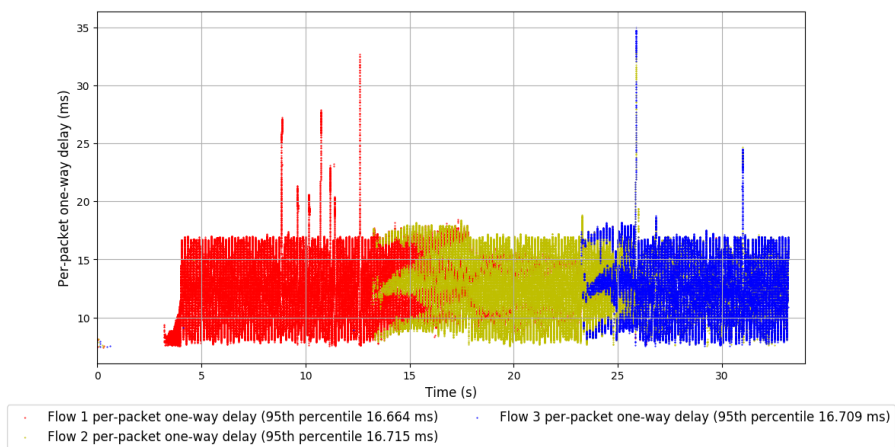
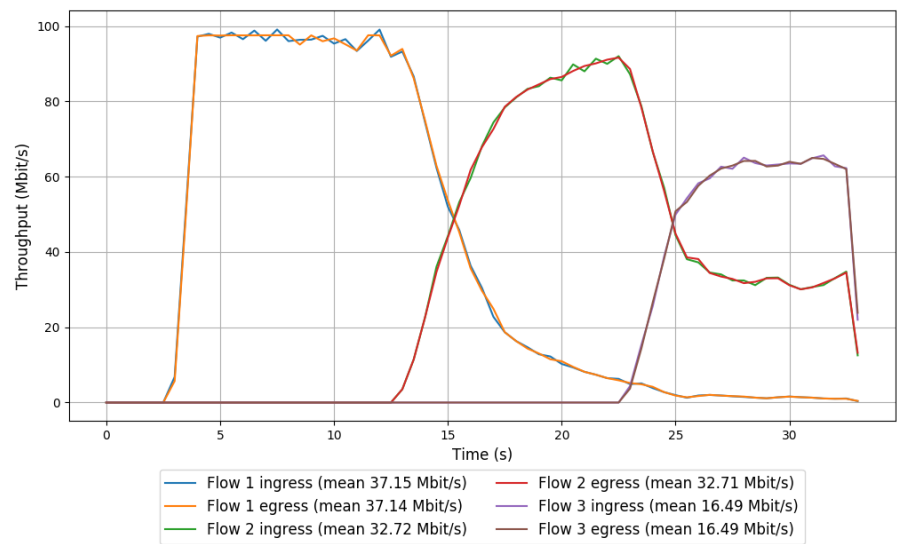
-- Flow 3:

Average throughput: 16.49 Mbit/s

95th percentile per-packet one-way delay: 16.709 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:18:37 +0000

End at: Tue, 04 Jul 2017 20:19:07 +0000

Local clock offset: 0.636 ms

Remote clock offset: -14.529 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:36:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.51 Mbit/s

95th percentile per-packet one-way delay: 17.064 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.80 Mbit/s

95th percentile per-packet one-way delay: 16.591 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.74 Mbit/s

95th percentile per-packet one-way delay: 17.561 ms

Loss rate: 0.00%

-- Flow 3:

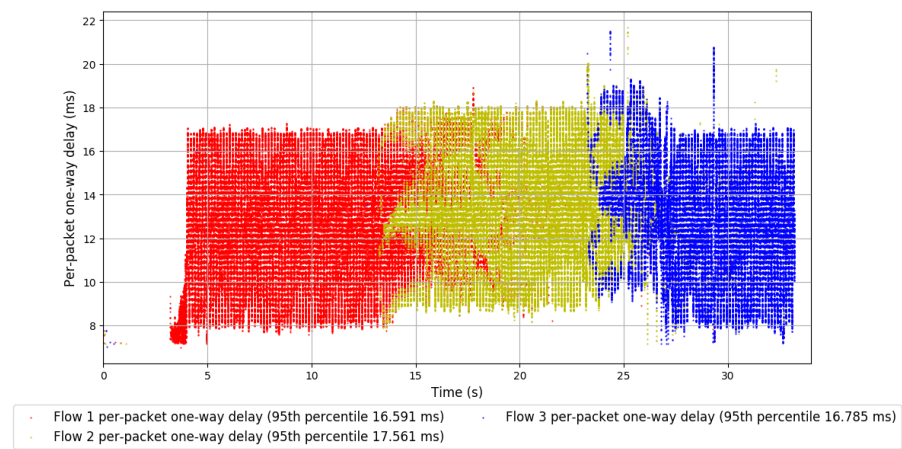
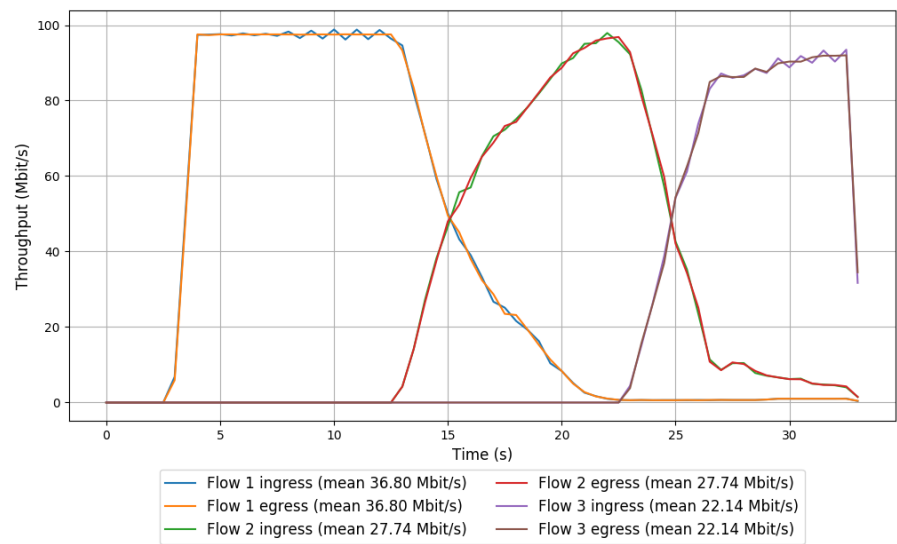
Average throughput: 22.14 Mbit/s

95th percentile per-packet one-way delay: 16.785 ms

Loss rate: 0.00%



Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

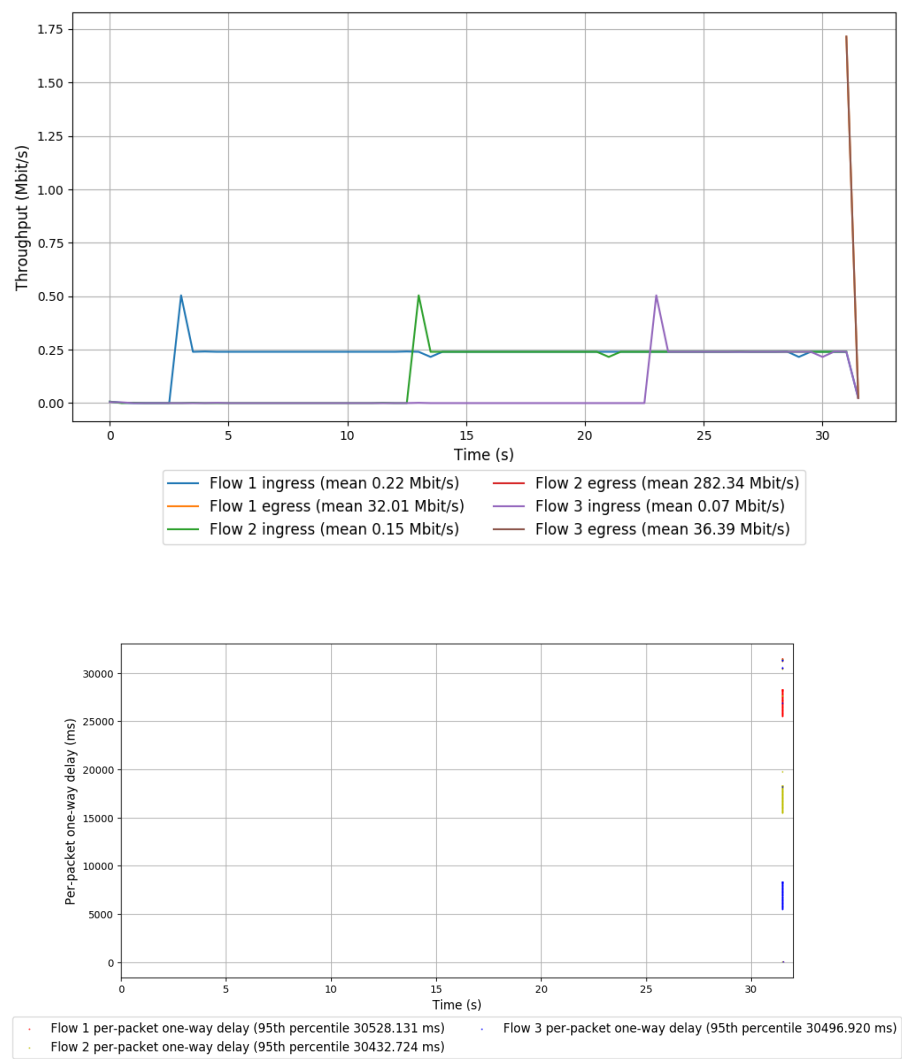
Start at: Tue, 04 Jul 2017 20:37:51 +0000

End at: Tue, 04 Jul 2017 20:38:21 +0000

Local clock offset: -1.566 ms

Remote clock offset: -15.265 ms

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

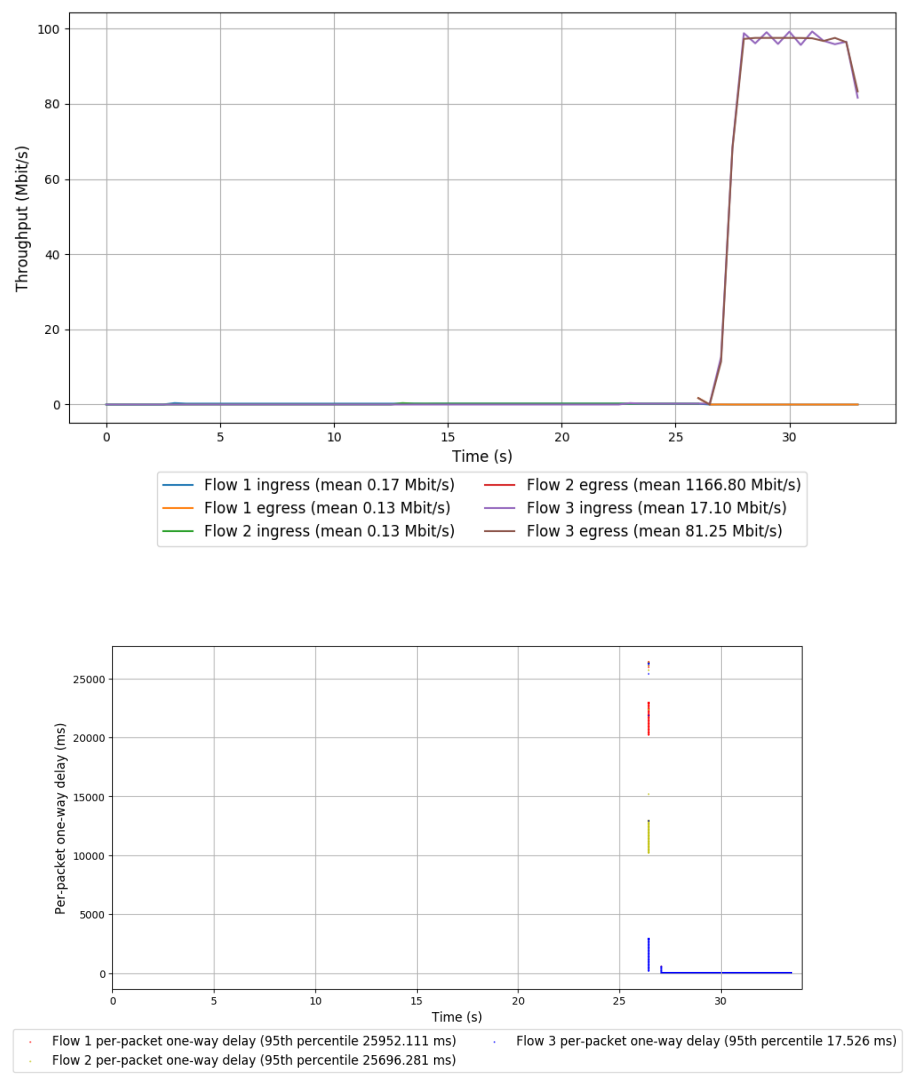
Start at: Tue, 04 Jul 2017 20:56:56 +0000

End at: Tue, 04 Jul 2017 20:57:26 +0000

Local clock offset: -1.985 ms

Remote clock offset: -17.41 ms

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 21:15:17 +0000

End at: Tue, 04 Jul 2017 21:15:47 +0000

Local clock offset: 0.684 ms

Remote clock offset: -15.84 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:36:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 17.619 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 17.599 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.16 Mbit/s

95th percentile per-packet one-way delay: 17.865 ms

Loss rate: 0.00%

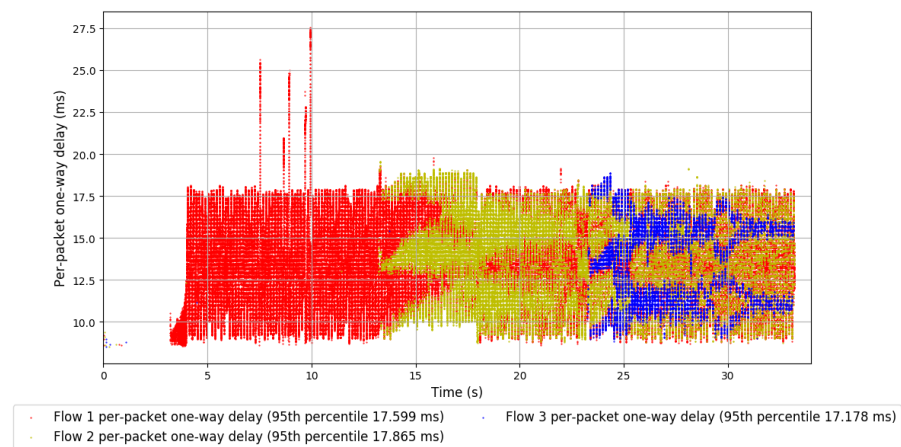
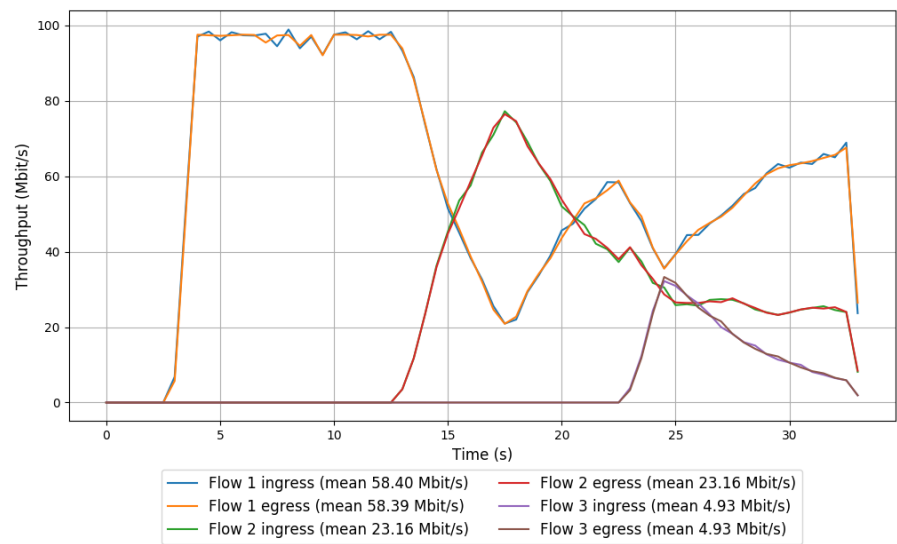
-- Flow 3:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 17.178 ms

Loss rate: 0.00%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 21:33:51 +0000

End at: Tue, 04 Jul 2017 21:34:21 +0000

Local clock offset: -0.006 ms

Remote clock offset: -15.723 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:36:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 17.644 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 68.00 Mbit/s

95th percentile per-packet one-way delay: 17.619 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 17.560 ms

Loss rate: 0.02%

-- Flow 3:

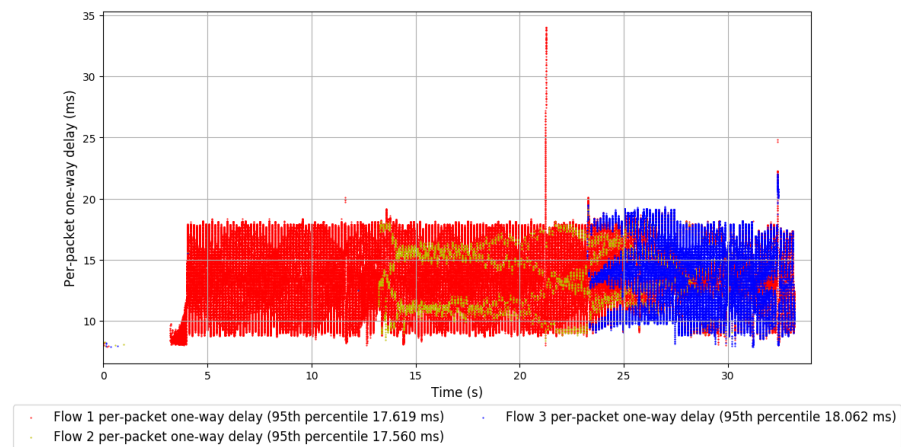
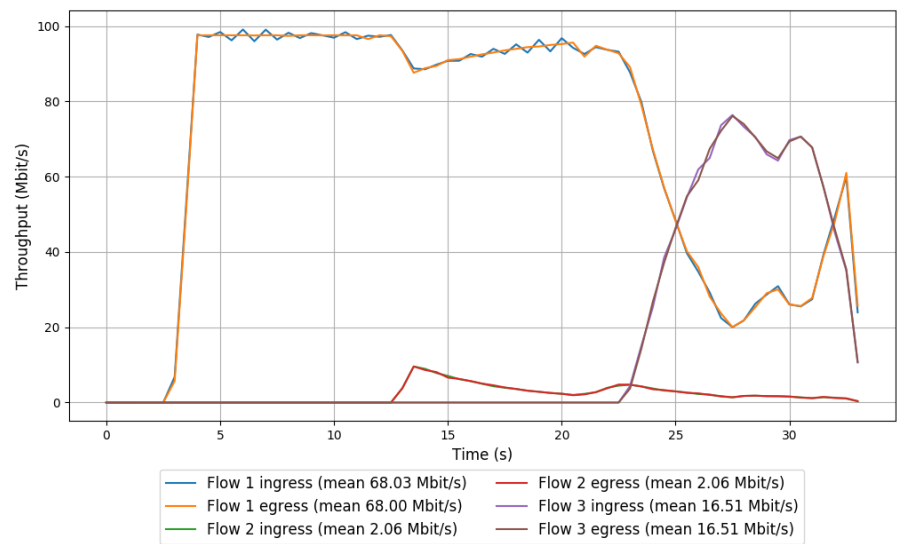
Average throughput: 16.51 Mbit/s

95th percentile per-packet one-way delay: 18.062 ms

Loss rate: 0.00%



Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 18:41:05 +0000

End at: Tue, 04 Jul 2017 18:41:35 +0000

Local clock offset: -0.067 ms

Remote clock offset: -15.192 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:37:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 64.17 Mbit/s

95th percentile per-packet one-way delay: 11.049 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.95 Mbit/s

95th percentile per-packet one-way delay: 11.007 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 11.093 ms

Loss rate: 0.00%

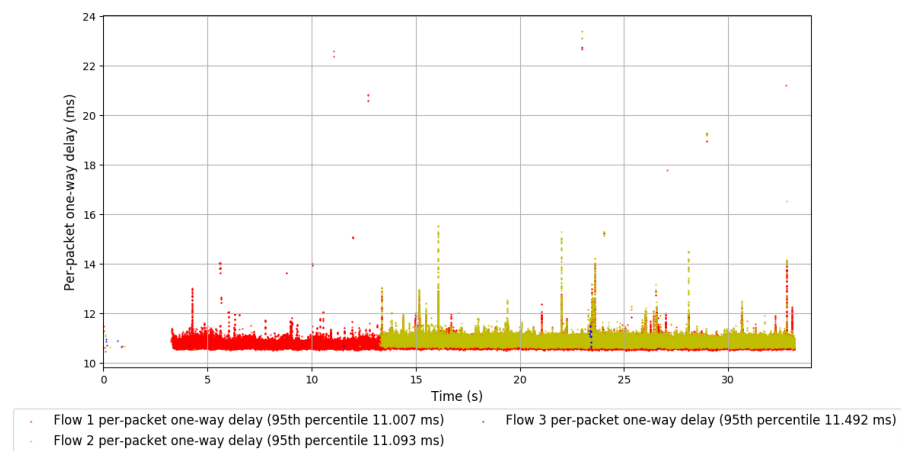
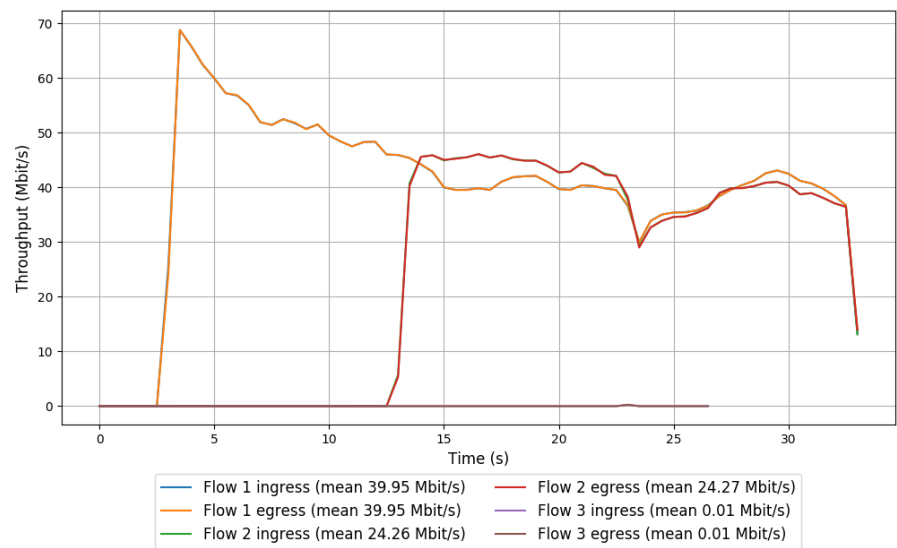
-- Flow 3:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 11.492 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 04 Jul 2017 18:59:11 +0000

End at: Tue, 04 Jul 2017 18:59:41 +0000

Local clock offset: 2.355 ms

Remote clock offset: -14.857 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:37:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 62.80 Mbit/s

95th percentile per-packet one-way delay: 10.244 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.43 Mbit/s

95th percentile per-packet one-way delay: 10.128 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.13 Mbit/s

95th percentile per-packet one-way delay: 10.292 ms

Loss rate: 0.00%

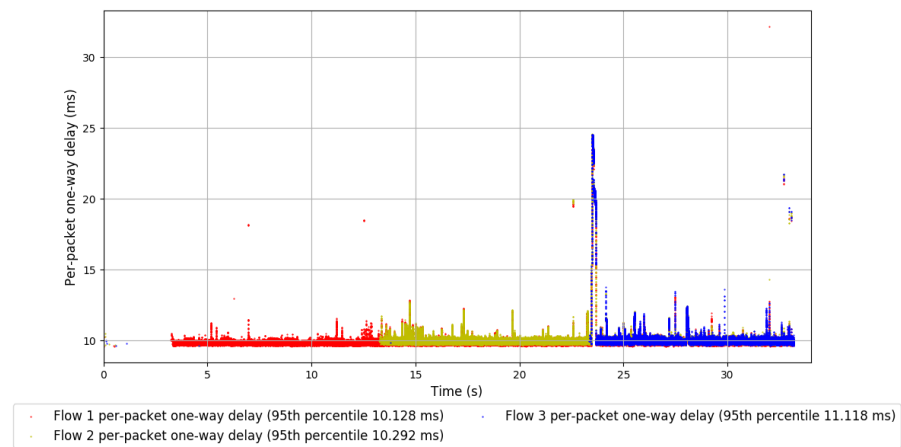
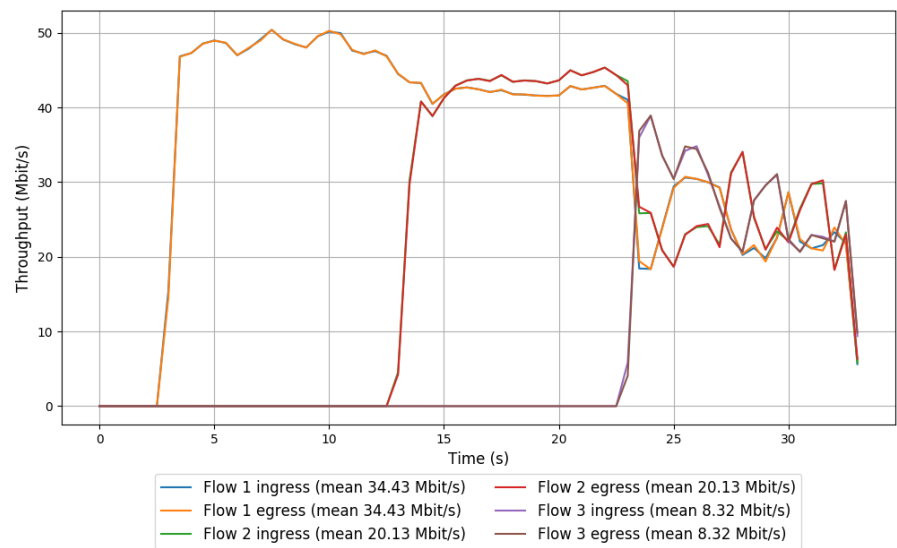
-- Flow 3:

Average throughput: 8.32 Mbit/s

95th percentile per-packet one-way delay: 11.118 ms

Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:17:34 +0000

End at: Tue, 04 Jul 2017 19:18:04 +0000

Local clock offset: -1.047 ms

Remote clock offset: -16.83 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:37:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 64.36 Mbit/s

95th percentile per-packet one-way delay: 9.835 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.73 Mbit/s

95th percentile per-packet one-way delay: 9.651 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.08 Mbit/s

95th percentile per-packet one-way delay: 9.922 ms

Loss rate: 0.00%

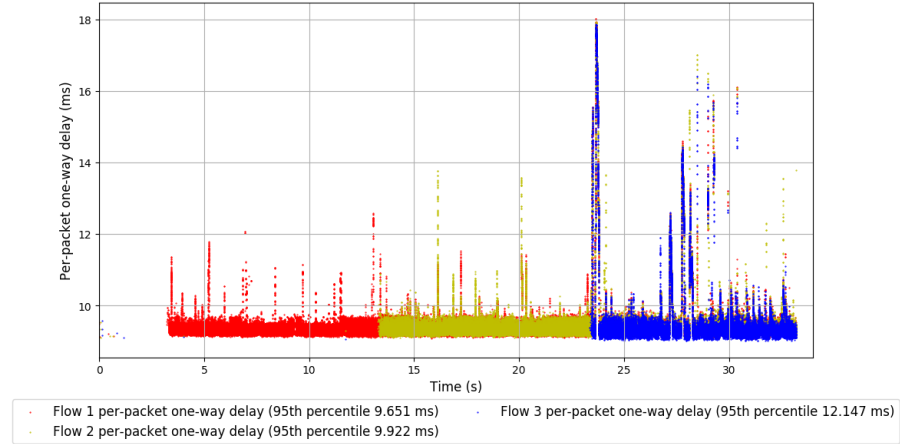
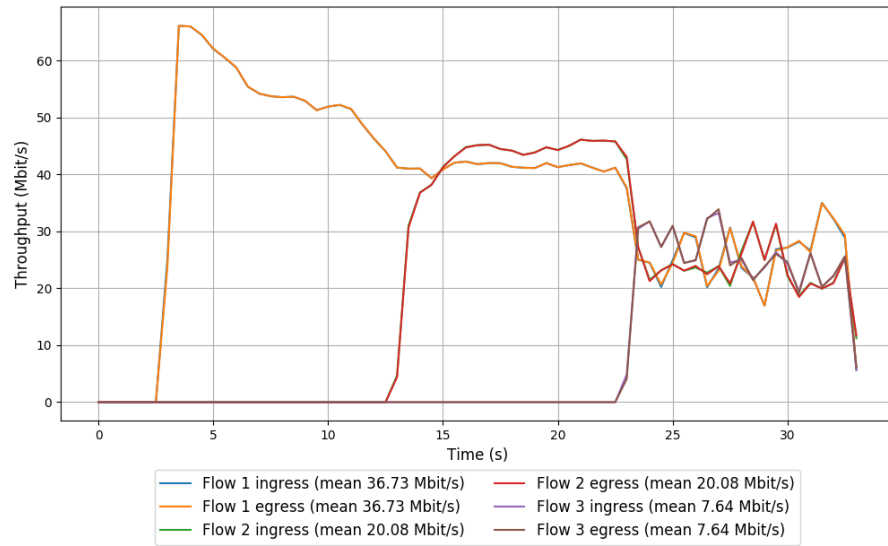
-- Flow 3:

Average throughput: 7.64 Mbit/s

95th percentile per-packet one-way delay: 12.147 ms

Loss rate: 0.00%

### Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:35:47 +0000

End at: Tue, 04 Jul 2017 19:36:17 +0000

Local clock offset: 1.59 ms

Remote clock offset: -15.816 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:37:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.35 Mbit/s

95th percentile per-packet one-way delay: 8.637 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.93 Mbit/s

95th percentile per-packet one-way delay: 8.580 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 8.681 ms

Loss rate: 0.00%

-- Flow 3:

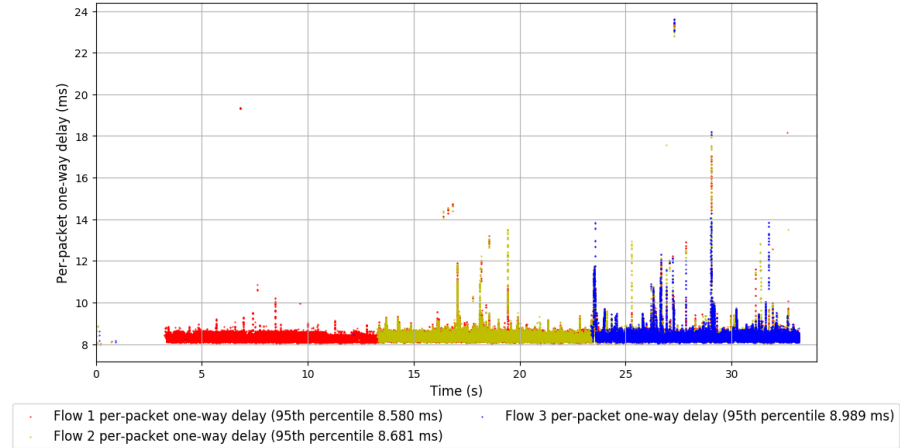
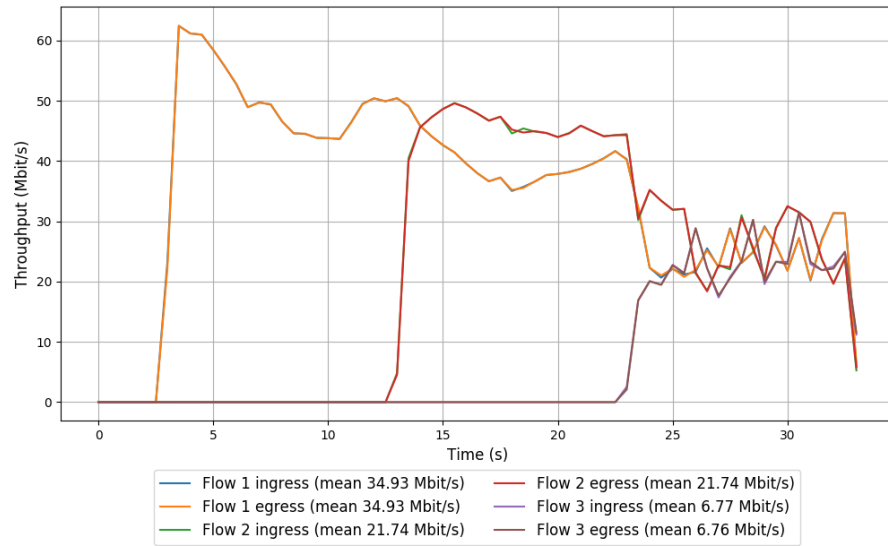
Average throughput: 6.76 Mbit/s

95th percentile per-packet one-way delay: 8.989 ms

Loss rate: 0.02%



#### Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:54:09 +0000

End at: Tue, 04 Jul 2017 19:54:39 +0000

Local clock offset: 1.195 ms

Remote clock offset: -15.071 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:37:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 64.94 Mbit/s

95th percentile per-packet one-way delay: 8.159 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.25 Mbit/s

95th percentile per-packet one-way delay: 8.079 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.35 Mbit/s

95th percentile per-packet one-way delay: 8.168 ms

Loss rate: 0.00%

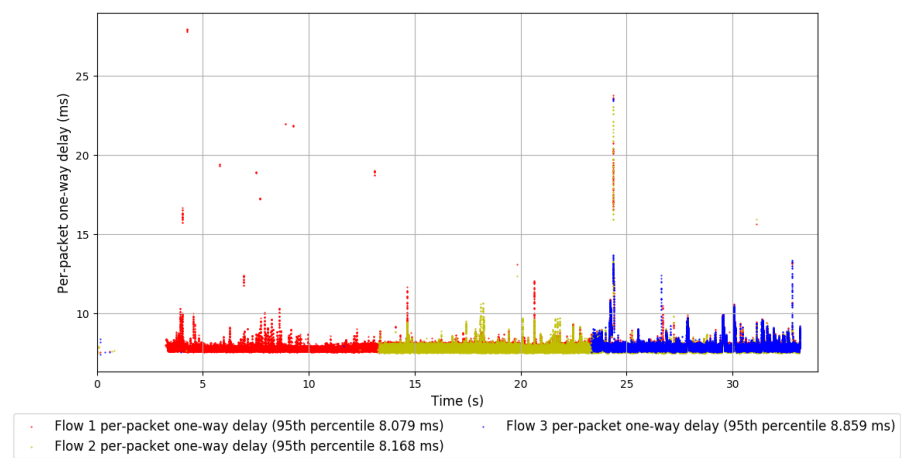
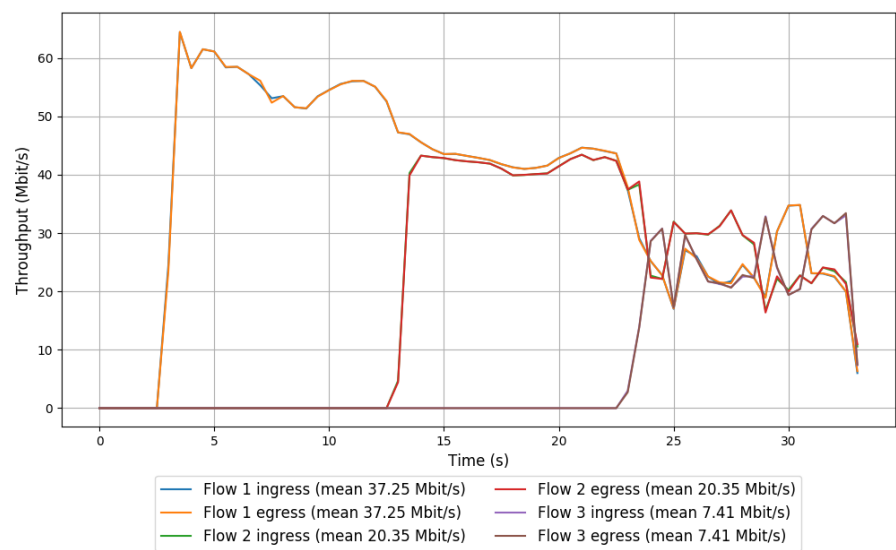
-- Flow 3:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 8.859 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:13:24 +0000

End at: Tue, 04 Jul 2017 20:13:54 +0000

Local clock offset: -0.358 ms

Remote clock offset: -15.161 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:37:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 61.01 Mbit/s

95th percentile per-packet one-way delay: 7.799 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.76 Mbit/s

95th percentile per-packet one-way delay: 7.711 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.76 Mbit/s

95th percentile per-packet one-way delay: 7.886 ms

Loss rate: 0.00%

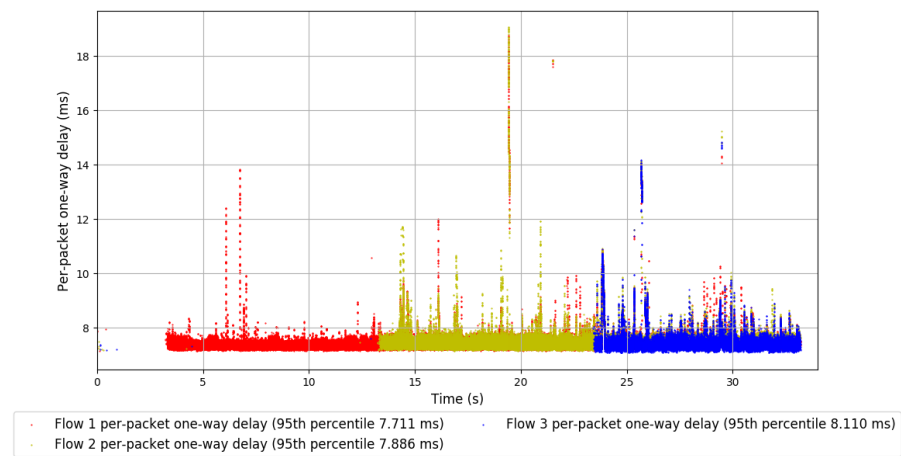
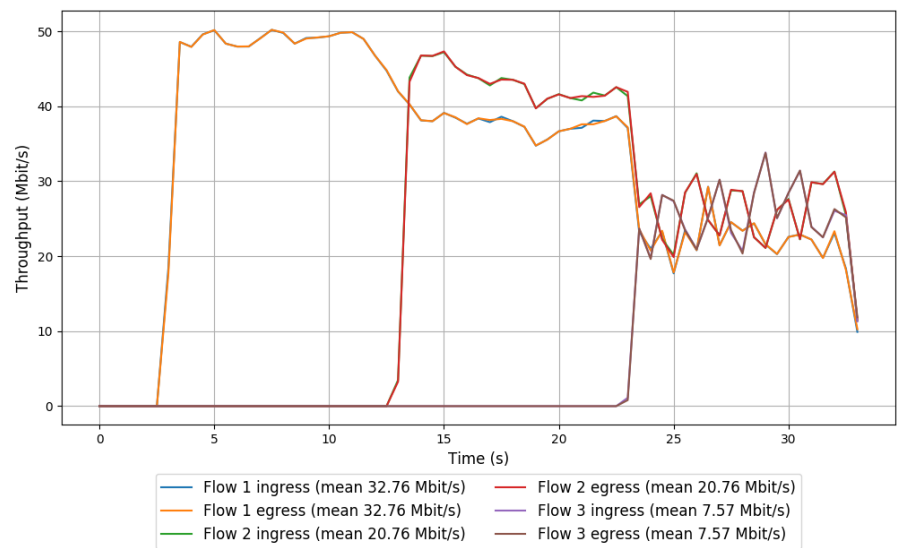
-- Flow 3:

Average throughput: 7.57 Mbit/s

95th percentile per-packet one-way delay: 8.110 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:32:51 +0000

End at: Tue, 04 Jul 2017 20:33:21 +0000

Local clock offset: 0.249 ms

Remote clock offset: -15.039 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 61.50 Mbit/s

95th percentile per-packet one-way delay: 7.412 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.81 Mbit/s

95th percentile per-packet one-way delay: 7.365 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.47 Mbit/s

95th percentile per-packet one-way delay: 7.430 ms

Loss rate: 0.00%

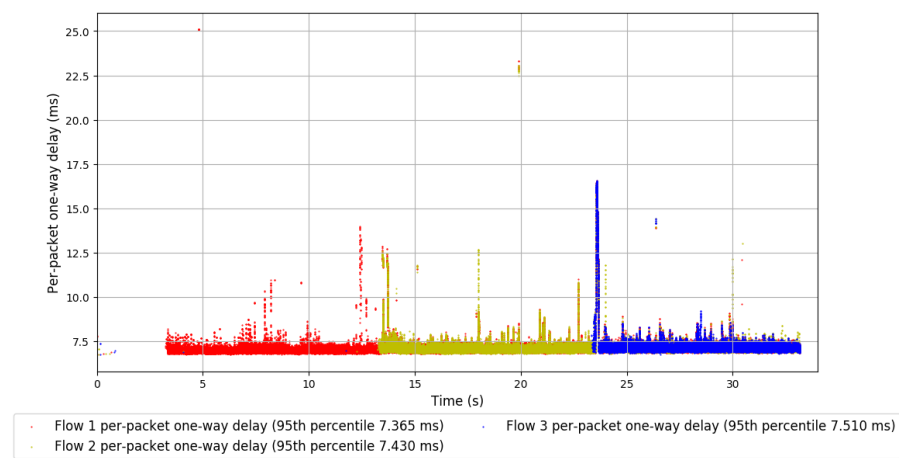
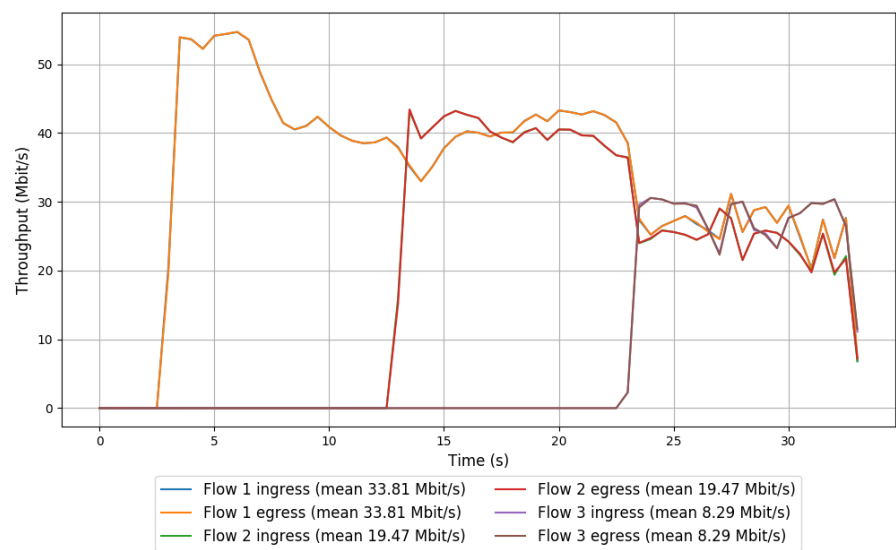
-- Flow 3:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 7.510 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:51:45 +0000

End at: Tue, 04 Jul 2017 20:52:15 +0000

Local clock offset: 0.672 ms

Remote clock offset: -16.452 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 60.30 Mbit/s

95th percentile per-packet one-way delay: 8.466 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 36.07 Mbit/s

95th percentile per-packet one-way delay: 8.501 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 8.413 ms

Loss rate: 0.05%

-- Flow 3:

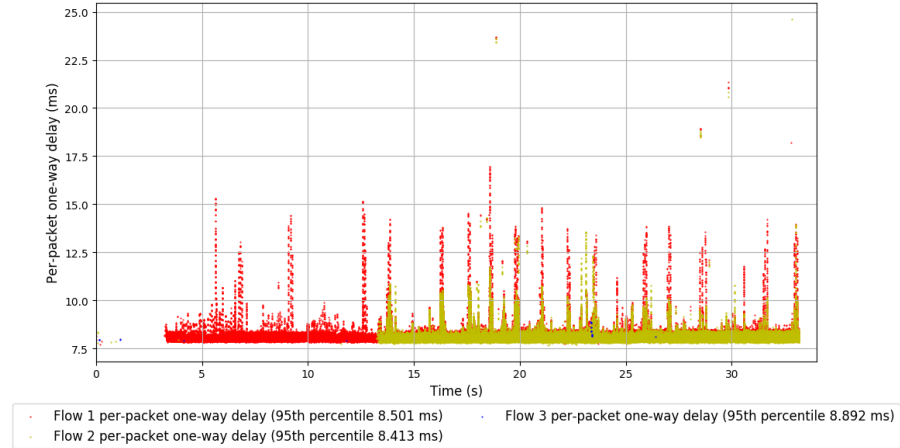
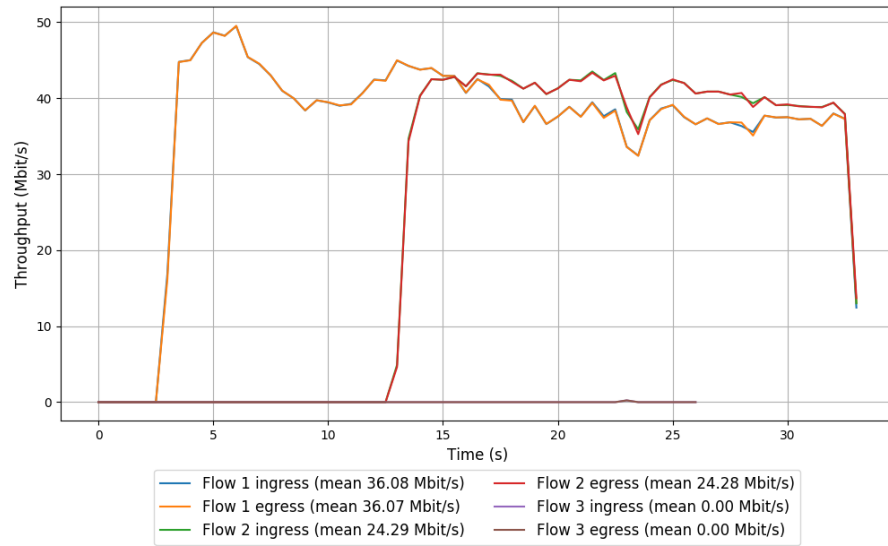
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8.892 ms

Loss rate: 0.00%



## Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:10:24 +0000

End at: Tue, 04 Jul 2017 21:10:54 +0000

Local clock offset: 0.914 ms

Remote clock offset: -17.382 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 61.46 Mbit/s

95th percentile per-packet one-way delay: 9.038 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.39 Mbit/s

95th percentile per-packet one-way delay: 9.006 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.65 Mbit/s

95th percentile per-packet one-way delay: 8.870 ms

Loss rate: 0.00%

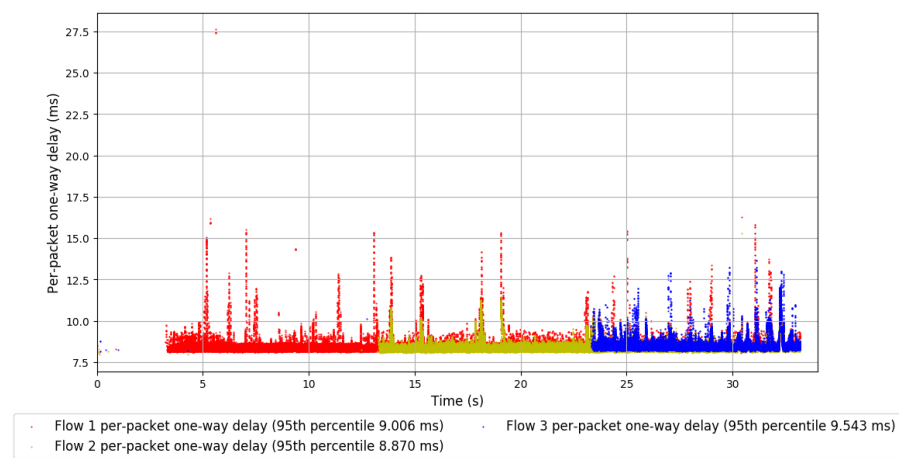
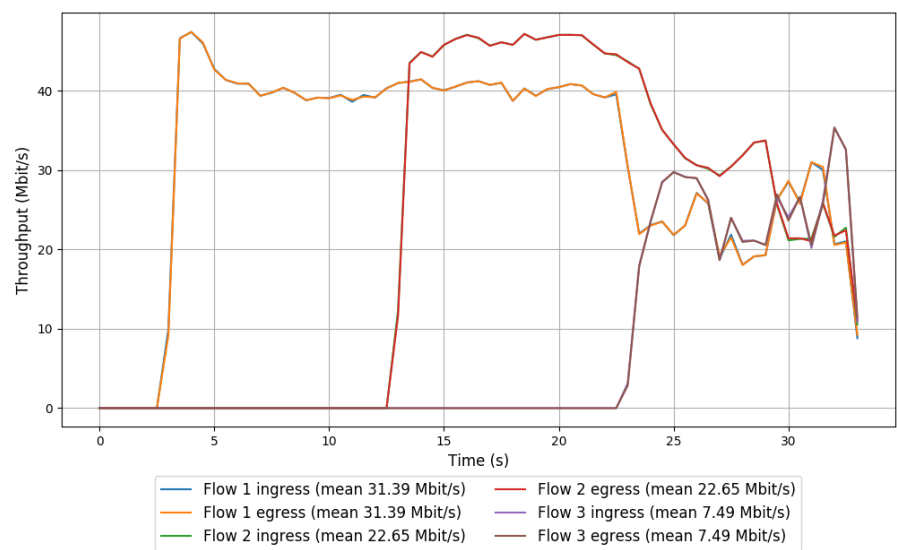
-- Flow 3:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 9.543 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:28:56 +0000

End at: Tue, 04 Jul 2017 21:29:26 +0000

Local clock offset: 1.249 ms

Remote clock offset: -15.964 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 61.68 Mbit/s

95th percentile per-packet one-way delay: 8.902 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.02 Mbit/s

95th percentile per-packet one-way delay: 8.648 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.01 Mbit/s

95th percentile per-packet one-way delay: 8.917 ms

Loss rate: 0.00%

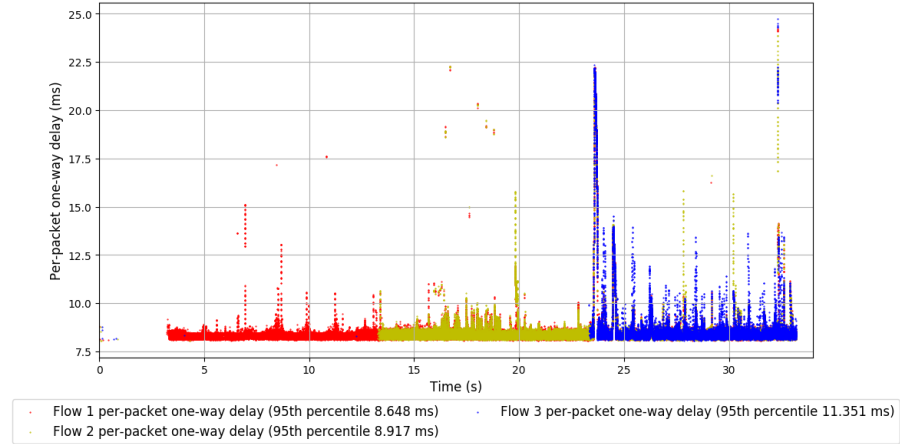
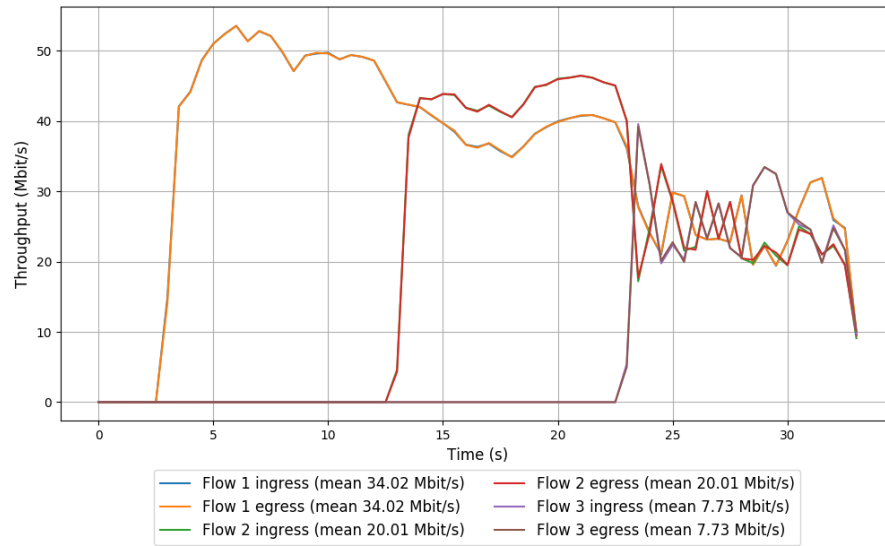
-- Flow 3:

Average throughput: 7.73 Mbit/s

95th percentile per-packet one-way delay: 11.351 ms

Loss rate: 0.00%

# Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 18:43:28 +0000

End at: Tue, 04 Jul 2017 18:43:58 +0000

Local clock offset: 0.599 ms

Remote clock offset: -17.013 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 49.033 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 63.88 Mbit/s

95th percentile per-packet one-way delay: 48.937 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 49.012 ms

Loss rate: 0.88%

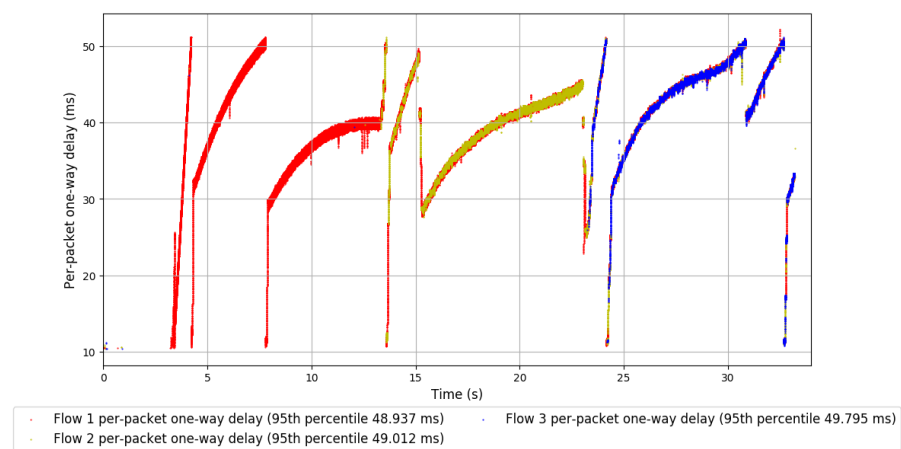
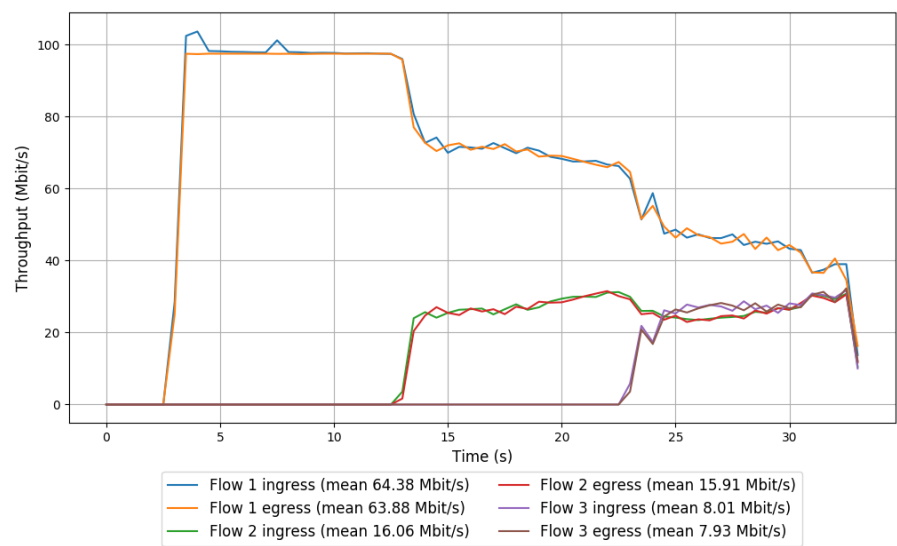
-- Flow 3:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 49.795 ms

Loss rate: 0.89%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:01:38 +0000

End at: Tue, 04 Jul 2017 19:02:08 +0000

Local clock offset: -0.668 ms

Remote clock offset: -15.791 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 47.648 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 63.79 Mbit/s

95th percentile per-packet one-way delay: 47.863 ms

Loss rate: 0.84%

-- Flow 2:

Average throughput: 17.68 Mbit/s

95th percentile per-packet one-way delay: 46.702 ms

Loss rate: 0.98%

-- Flow 3:

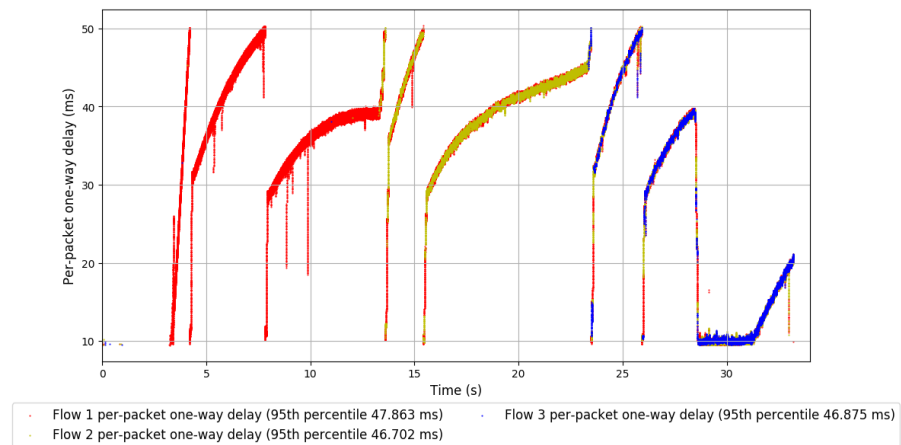
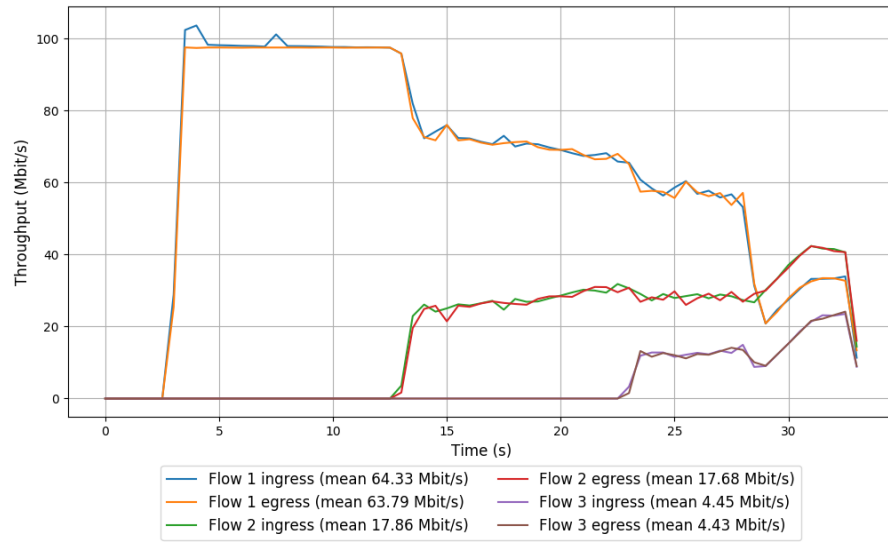
Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 46.875 ms

Loss rate: 0.52%



## Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:20:02 +0000

End at: Tue, 04 Jul 2017 19:20:32 +0000

Local clock offset: 1.911 ms

Remote clock offset: -16.373 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.65 Mbit/s

95th percentile per-packet one-way delay: 46.998 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 66.77 Mbit/s

95th percentile per-packet one-way delay: 47.191 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 16.61 Mbit/s

95th percentile per-packet one-way delay: 46.309 ms

Loss rate: 0.94%

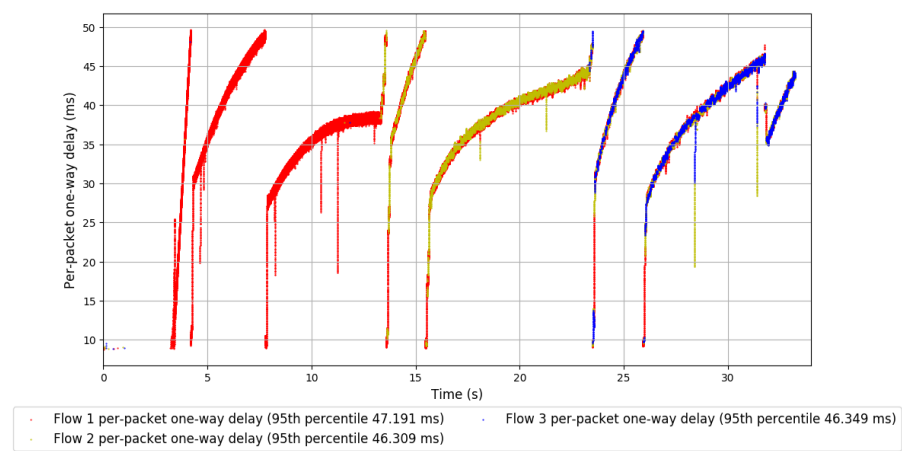
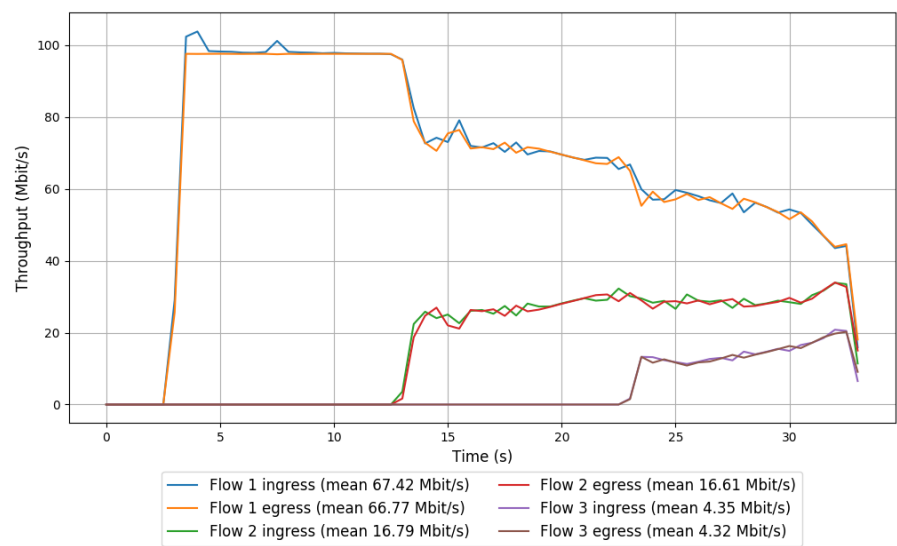
-- Flow 3:

Average throughput: 4.32 Mbit/s

95th percentile per-packet one-way delay: 46.349 ms

Loss rate: 0.56%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:38:10 +0000

End at: Tue, 04 Jul 2017 19:38:40 +0000

Local clock offset: -1.348 ms

Remote clock offset: -15.296 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.65 Mbit/s

95th percentile per-packet one-way delay: 44.350 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 61.66 Mbit/s

95th percentile per-packet one-way delay: 44.180 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 20.32 Mbit/s

95th percentile per-packet one-way delay: 44.311 ms

Loss rate: 0.52%

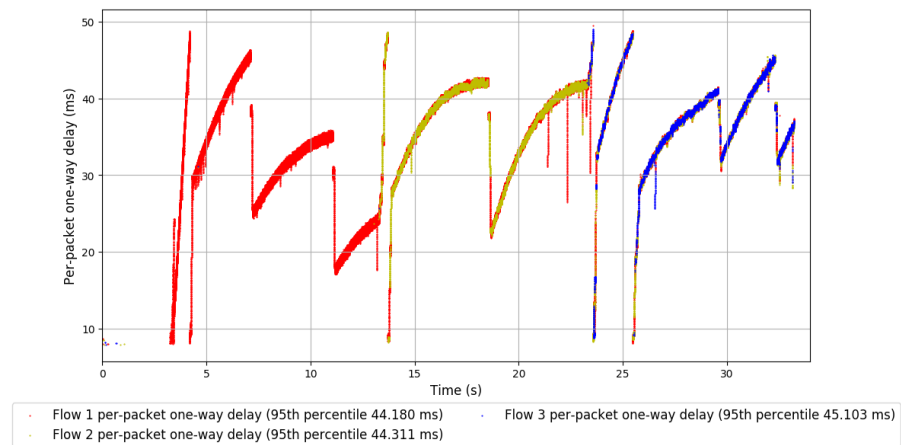
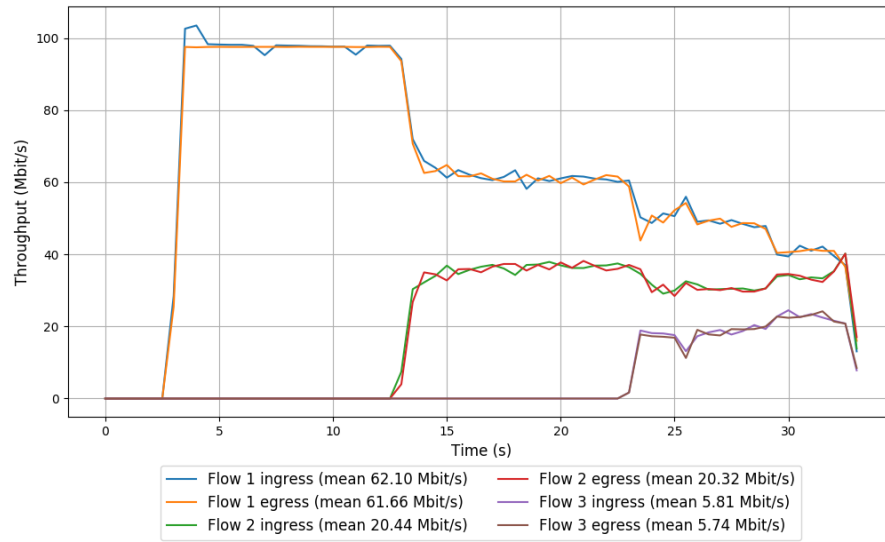
-- Flow 3:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 45.103 ms

Loss rate: 1.15%

# Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:56:39 +0000

End at: Tue, 04 Jul 2017 19:57:09 +0000

Local clock offset: 1.242 ms

Remote clock offset: -16.421 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 45.906 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 66.83 Mbit/s

95th percentile per-packet one-way delay: 45.902 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 16.69 Mbit/s

95th percentile per-packet one-way delay: 45.877 ms

Loss rate: 0.80%

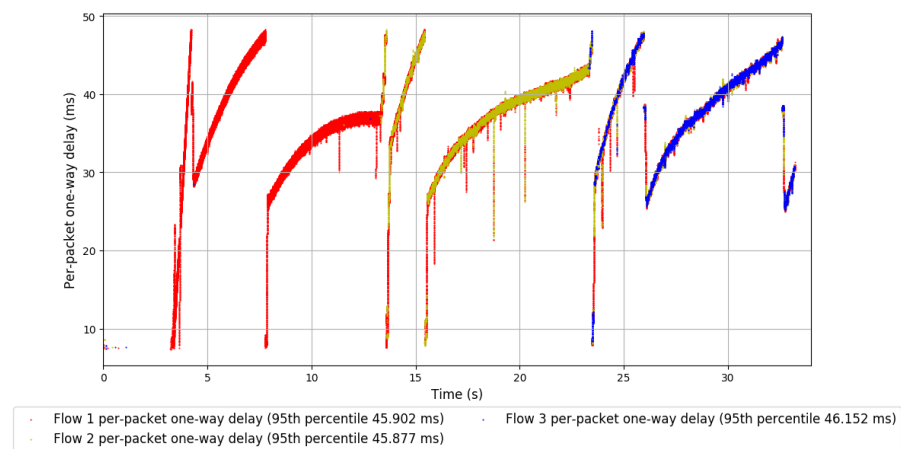
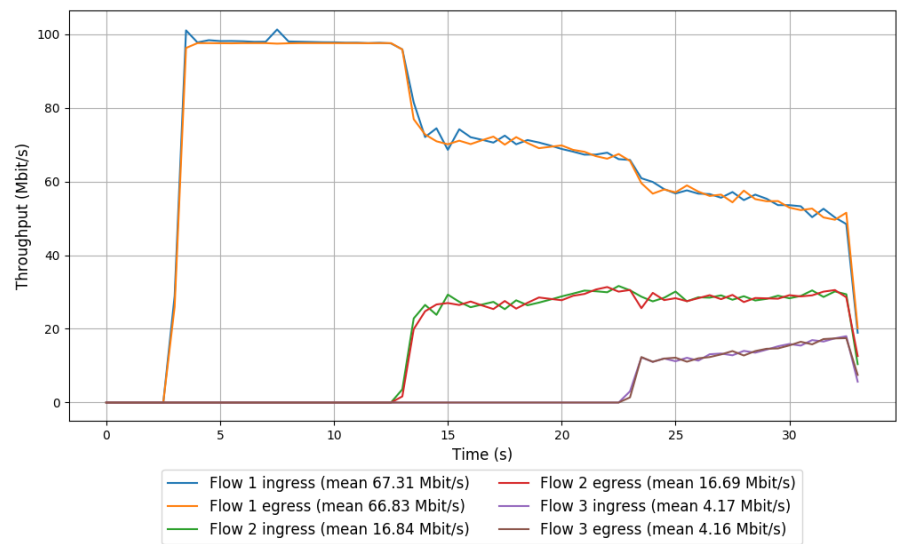
-- Flow 3:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 46.152 ms

Loss rate: 0.22%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:15:48 +0000

End at: Tue, 04 Jul 2017 20:16:18 +0000

Local clock offset: 0.389 ms

Remote clock offset: -14.841 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:38:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.61 Mbit/s

95th percentile per-packet one-way delay: 45.428 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 49.71 Mbit/s

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

Loss rate: 0.72%

-- Flow 2:

Average throughput: 13.81 Mbit/s

95th percentile per-packet one-way delay: 45.023 ms

Loss rate: 0.99%

-- Flow 3:

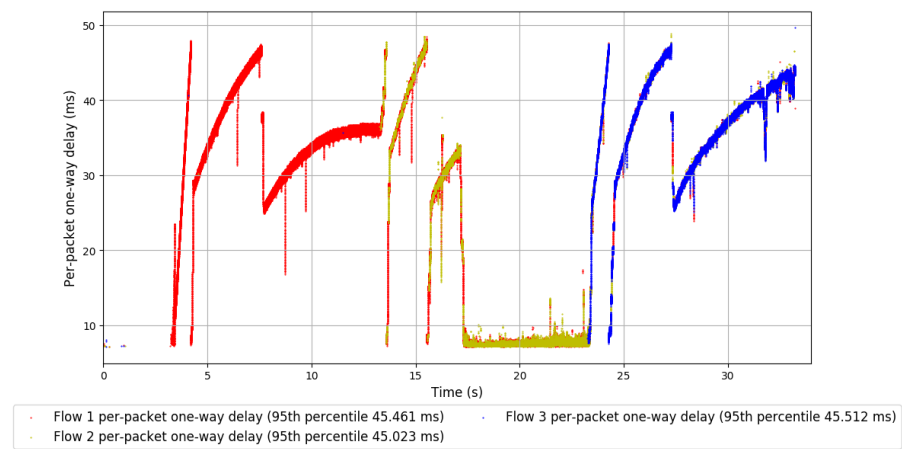
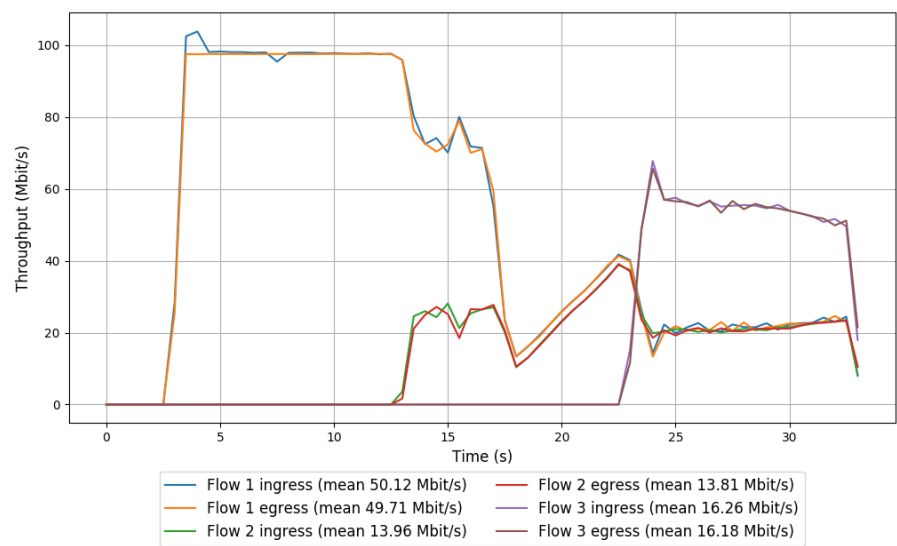
Average throughput: 16.18 Mbit/s

95th percentile per-packet one-way delay: 45.512 ms

Loss rate: 0.37%



Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:35:15 +0000

End at: Tue, 04 Jul 2017 20:35:45 +0000

Local clock offset: -0.795 ms

Remote clock offset: -14.749 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 44.753 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 65.52 Mbit/s

95th percentile per-packet one-way delay: 44.926 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 18.52 Mbit/s

95th percentile per-packet one-way delay: 44.476 ms

Loss rate: 0.86%

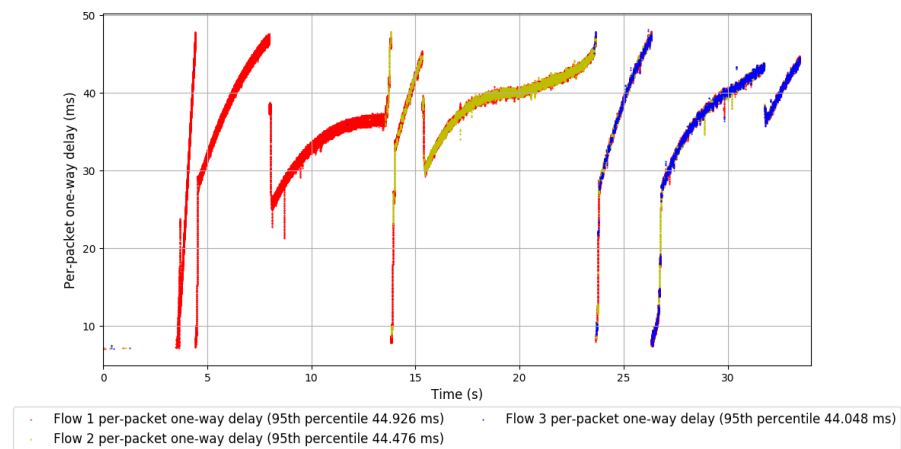
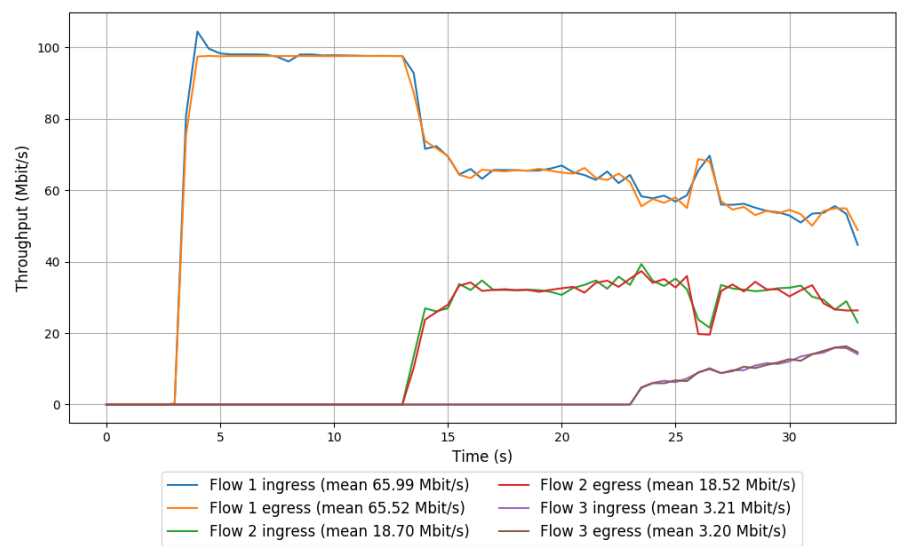
-- Flow 3:

Average throughput: 3.20 Mbit/s

95th percentile per-packet one-way delay: 44.048 ms

Loss rate: 0.18%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:54:16 +0000

End at: Tue, 04 Jul 2017 20:54:46 +0000

Local clock offset: -0.222 ms

Remote clock offset: -15.416 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 46.532 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 67.23 Mbit/s

95th percentile per-packet one-way delay: 46.338 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 15.40 Mbit/s

95th percentile per-packet one-way delay: 46.823 ms

Loss rate: 0.62%

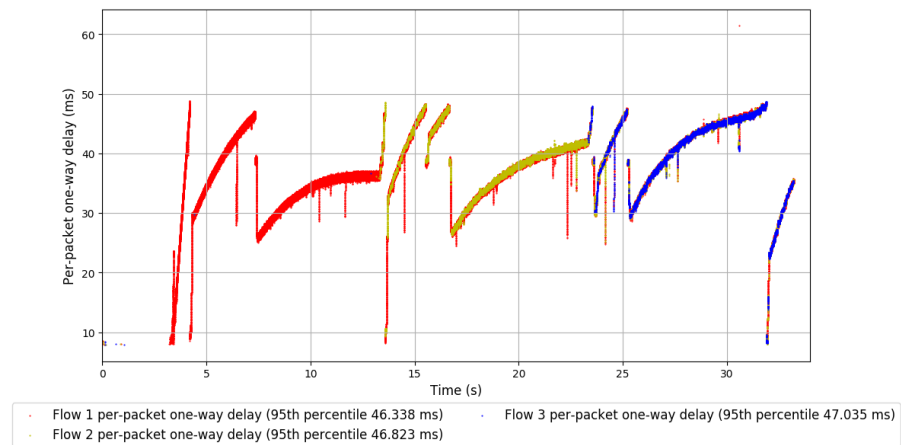
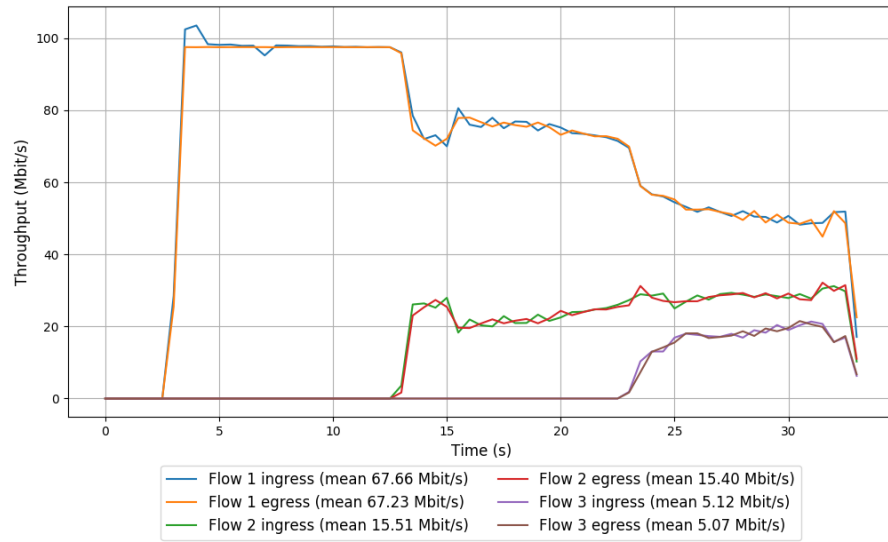
-- Flow 3:

Average throughput: 5.07 Mbit/s

95th percentile per-packet one-way delay: 47.035 ms

Loss rate: 1.04%

## Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:12:47 +0000

End at: Tue, 04 Jul 2017 21:13:17 +0000

Local clock offset: -2.418 ms

Remote clock offset: -16.021 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 46.488 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 45.49 Mbit/s

95th percentile per-packet one-way delay: 46.029 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 31.21 Mbit/s

95th percentile per-packet one-way delay: 46.753 ms

Loss rate: 0.36%

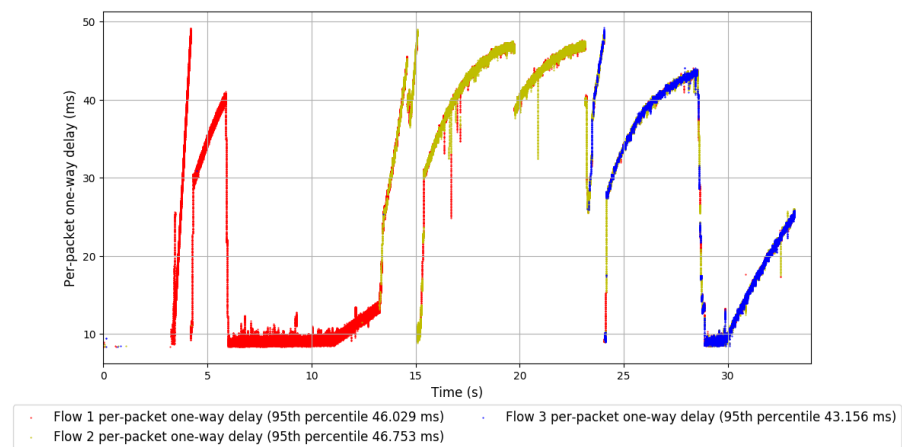
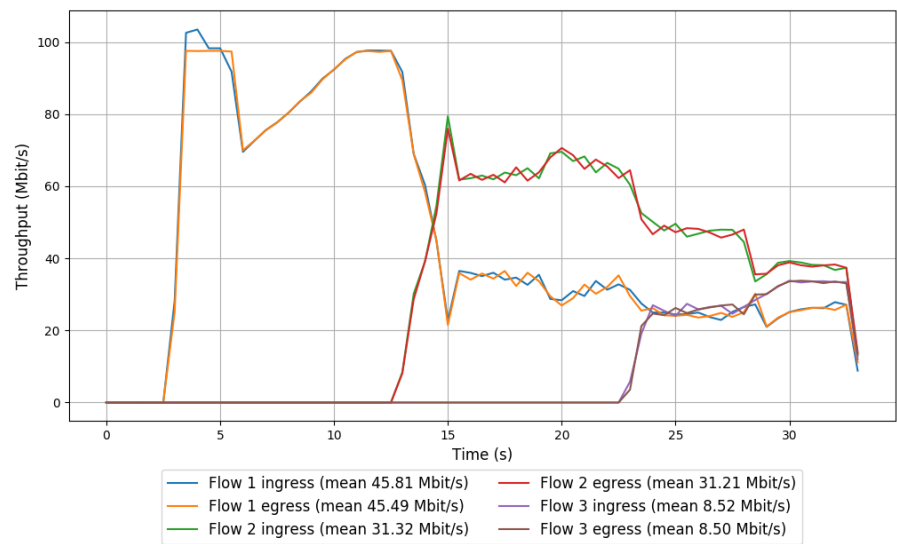
-- Flow 3:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 43.156 ms

Loss rate: 0.16%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:31:18 +0000

End at: Tue, 04 Jul 2017 21:31:48 +0000

Local clock offset: -2.103 ms

Remote clock offset: -15.257 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.29 Mbit/s

95th percentile per-packet one-way delay: 46.375 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 38.31 Mbit/s

95th percentile per-packet one-way delay: 46.272 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 46.528 ms

Loss rate: 0.51%

-- Flow 3:

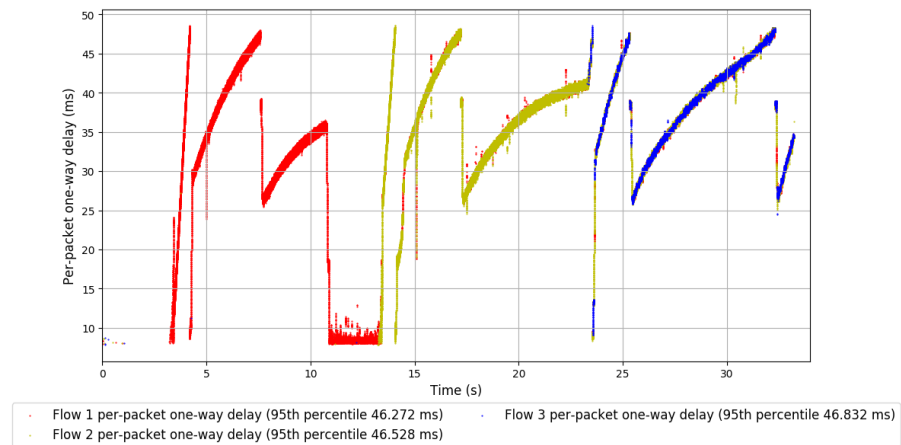
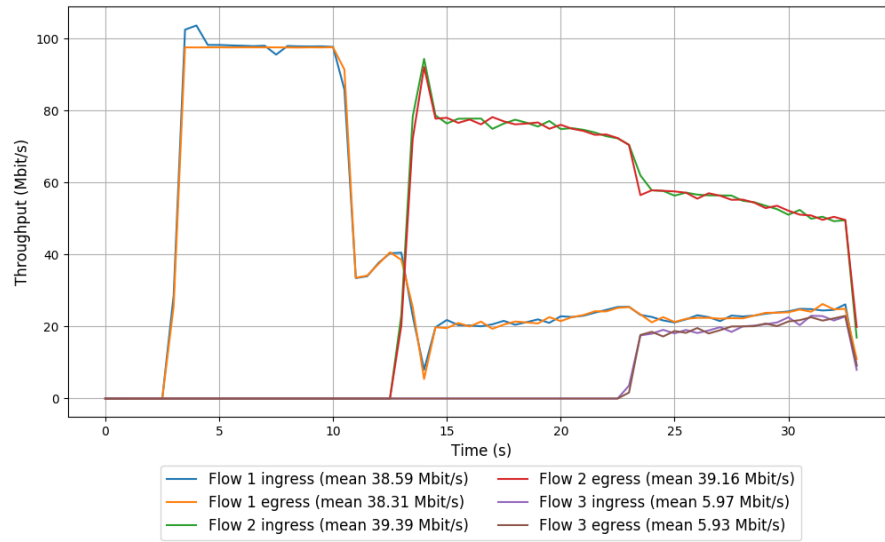
Average throughput: 5.93 Mbit/s

95th percentile per-packet one-way delay: 46.832 ms

Loss rate: 0.58%



# Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 18:51:59 +0000

End at: Tue, 04 Jul 2017 18:52:29 +0000

Local clock offset: 1.361 ms

Remote clock offset: -17.204 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.98 Mbit/s

95th percentile per-packet one-way delay: 16.517 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.05 Mbit/s

95th percentile per-packet one-way delay: 16.497 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.37 Mbit/s

95th percentile per-packet one-way delay: 16.507 ms

Loss rate: 0.00%

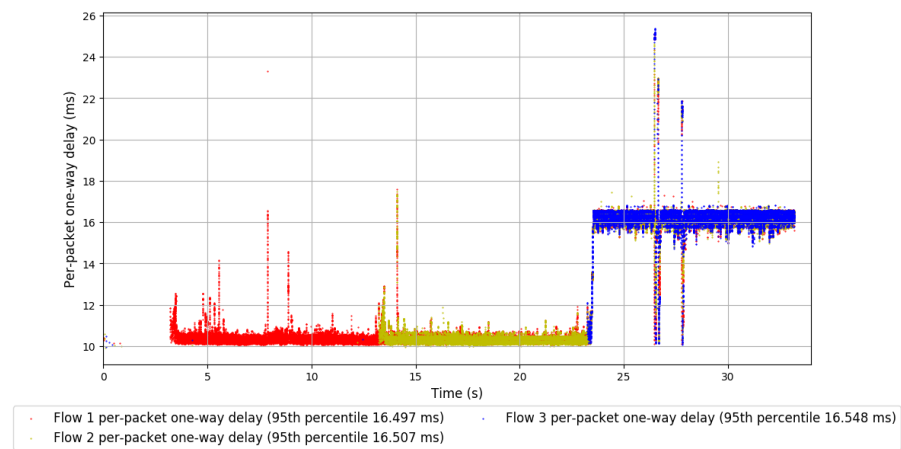
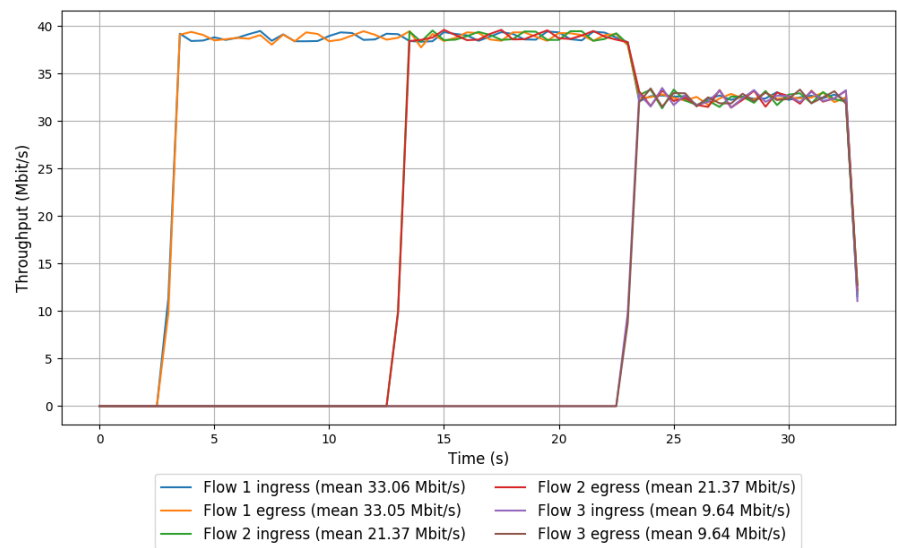
-- Flow 3:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 16.548 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:10:21 +0000

End at: Tue, 04 Jul 2017 19:10:51 +0000

Local clock offset: 1.518 ms

Remote clock offset: -16.512 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.72 Mbit/s

95th percentile per-packet one-way delay: 15.963 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 15.899 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.40 Mbit/s

95th percentile per-packet one-way delay: 15.948 ms

Loss rate: 0.00%

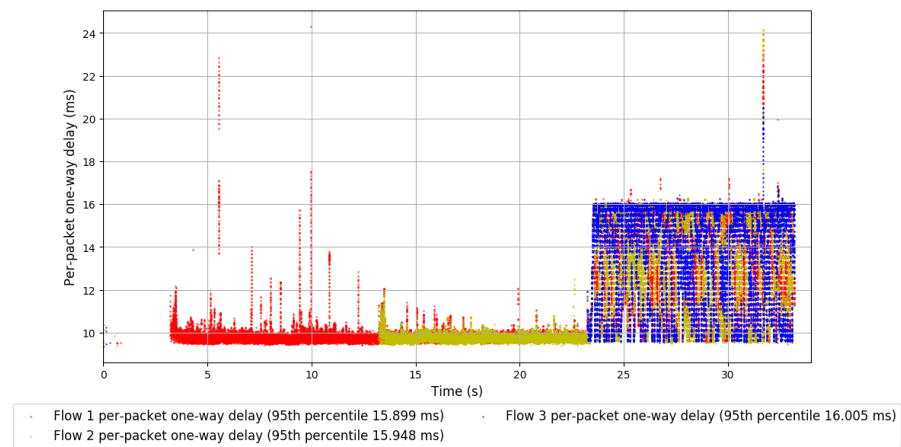
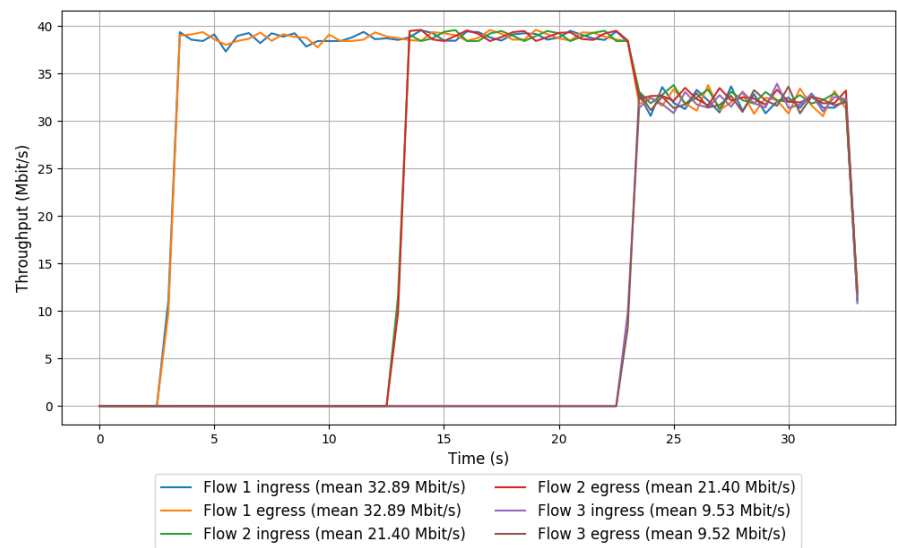
-- Flow 3:

Average throughput: 9.52 Mbit/s

95th percentile per-packet one-way delay: 16.005 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:28:34 +0000

End at: Tue, 04 Jul 2017 19:29:04 +0000

Local clock offset: 2.377 ms

Remote clock offset: -16.03 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.99 Mbit/s

95th percentile per-packet one-way delay: 14.803 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 14.771 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.39 Mbit/s

95th percentile per-packet one-way delay: 14.800 ms

Loss rate: 0.00%

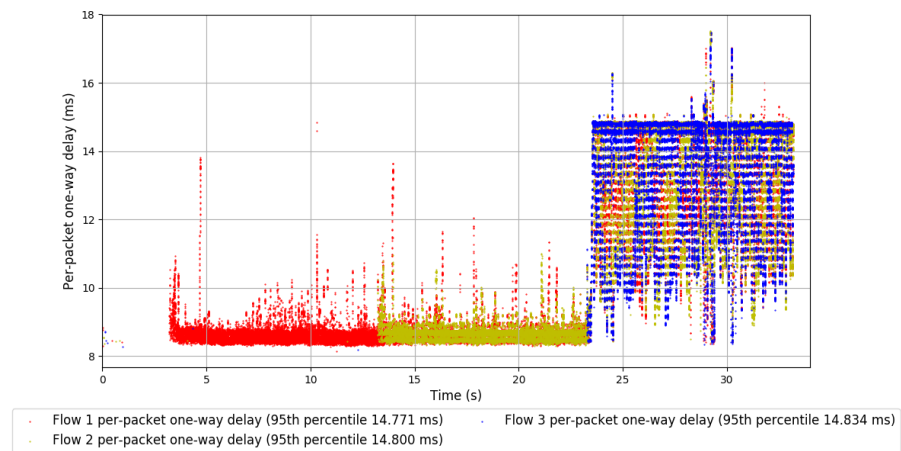
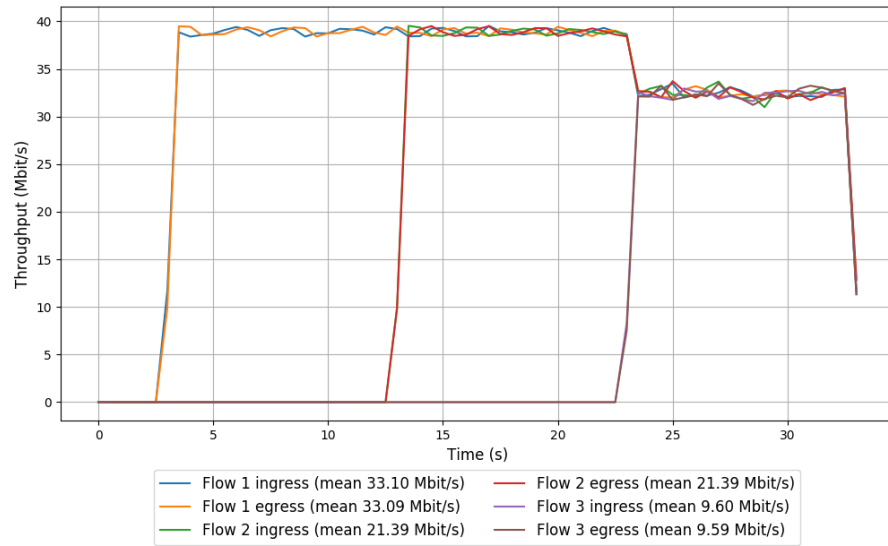
-- Flow 3:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 14.834 ms

Loss rate: 0.00%

### Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:46:53 +0000

End at: Tue, 04 Jul 2017 19:47:23 +0000

Local clock offset: 1.877 ms

Remote clock offset: -16.41 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.32 Mbit/s

95th percentile per-packet one-way delay: 14.070 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 32.90 Mbit/s

95th percentile per-packet one-way delay: 13.894 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 21.11 Mbit/s

95th percentile per-packet one-way delay: 14.074 ms

Loss rate: 0.00%

-- Flow 3:

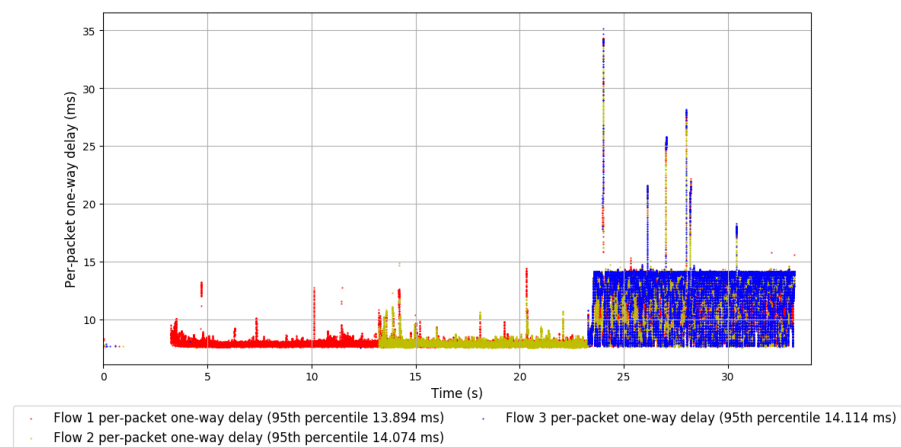
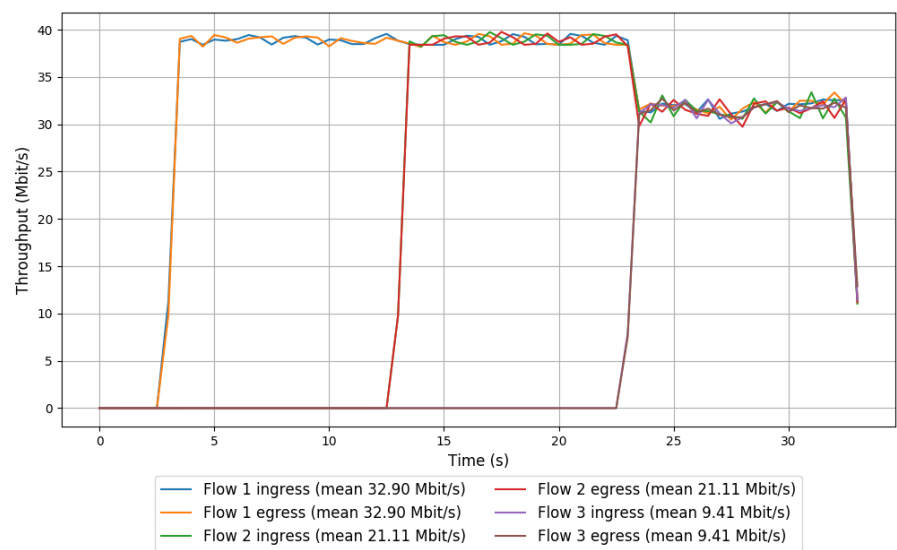
Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 14.114 ms

Loss rate: 0.00%



Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:05:57 +0000

End at: Tue, 04 Jul 2017 20:06:27 +0000

Local clock offset: -1.912 ms

Remote clock offset: -14.677 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 13.816 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.79 Mbit/s

95th percentile per-packet one-way delay: 13.785 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.31 Mbit/s

95th percentile per-packet one-way delay: 13.816 ms

Loss rate: 0.00%

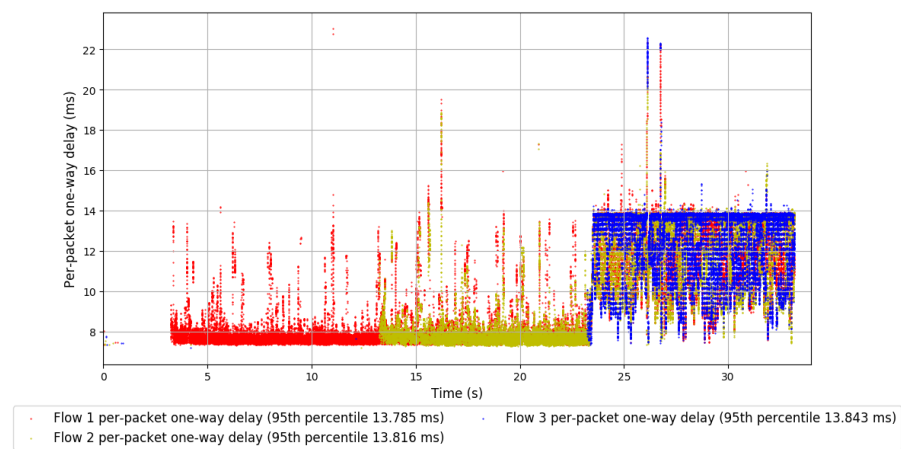
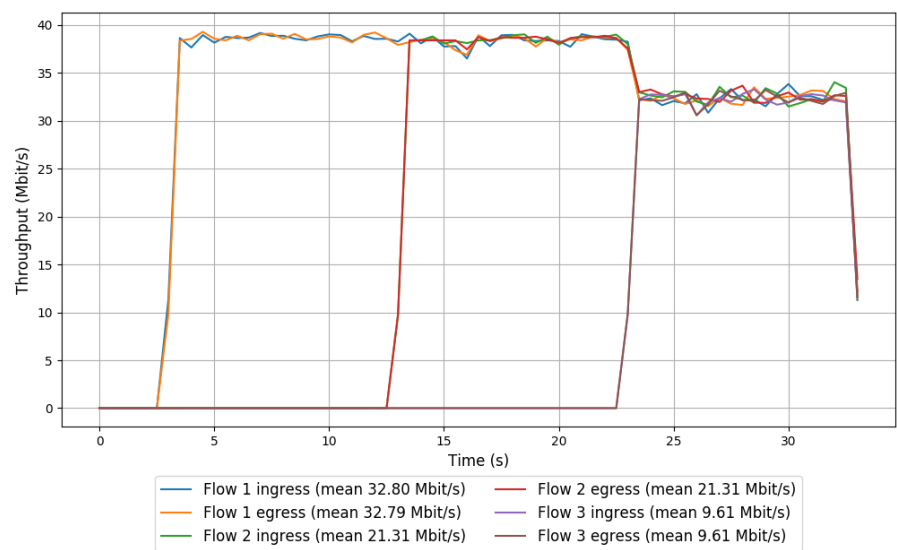
-- Flow 3:

Average throughput: 9.61 Mbit/s

95th percentile per-packet one-way delay: 13.843 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:25:21 +0000

End at: Tue, 04 Jul 2017 20:25:51 +0000

Local clock offset: -1.636 ms

Remote clock offset: -15.109 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:39:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.53 Mbit/s

95th percentile per-packet one-way delay: 13.350 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.72 Mbit/s

95th percentile per-packet one-way delay: 13.172 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.06 Mbit/s

95th percentile per-packet one-way delay: 13.342 ms

Loss rate: 0.00%

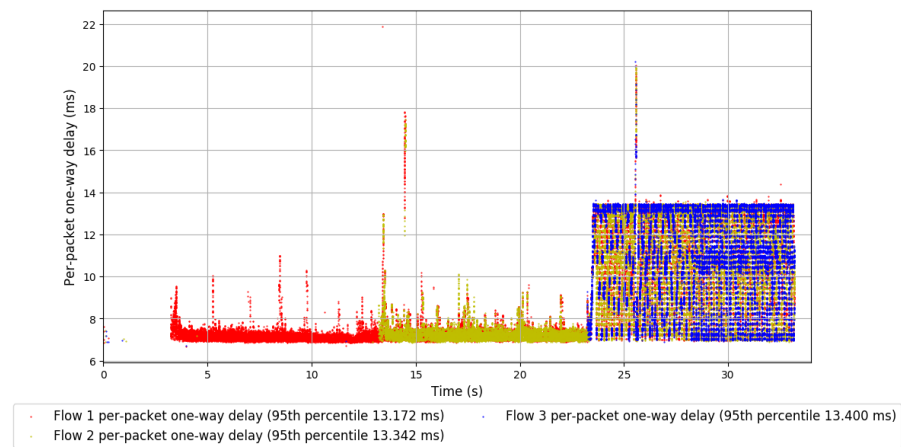
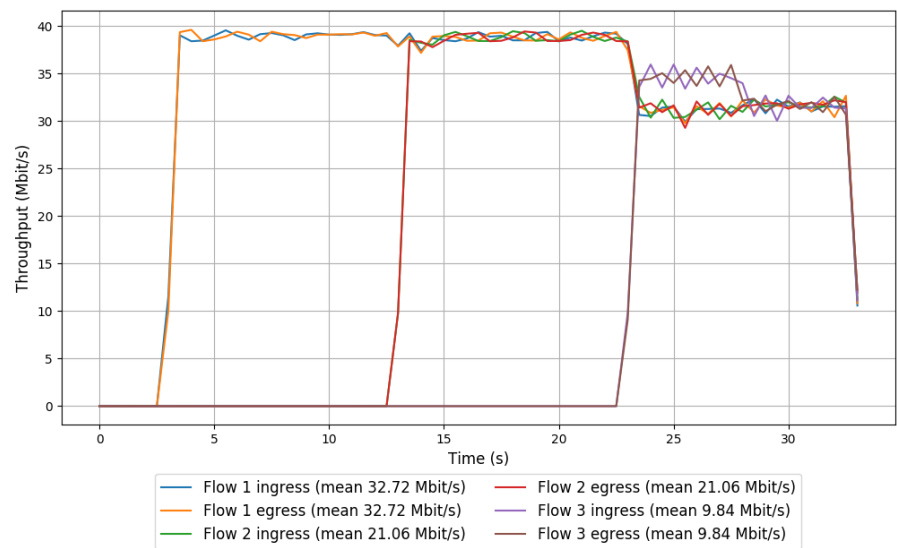
-- Flow 3:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 13.400 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:43:58 +0000

End at: Tue, 04 Jul 2017 20:44:28 +0000

Local clock offset: 0.399 ms

Remote clock offset: -14.388 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.33 Mbit/s

95th percentile per-packet one-way delay: 14.082 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 13.904 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 21.15 Mbit/s

95th percentile per-packet one-way delay: 14.078 ms

Loss rate: 0.00%

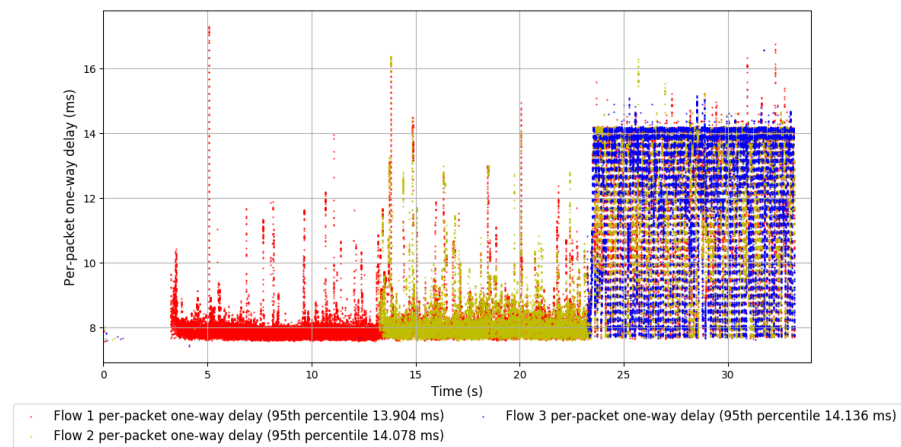
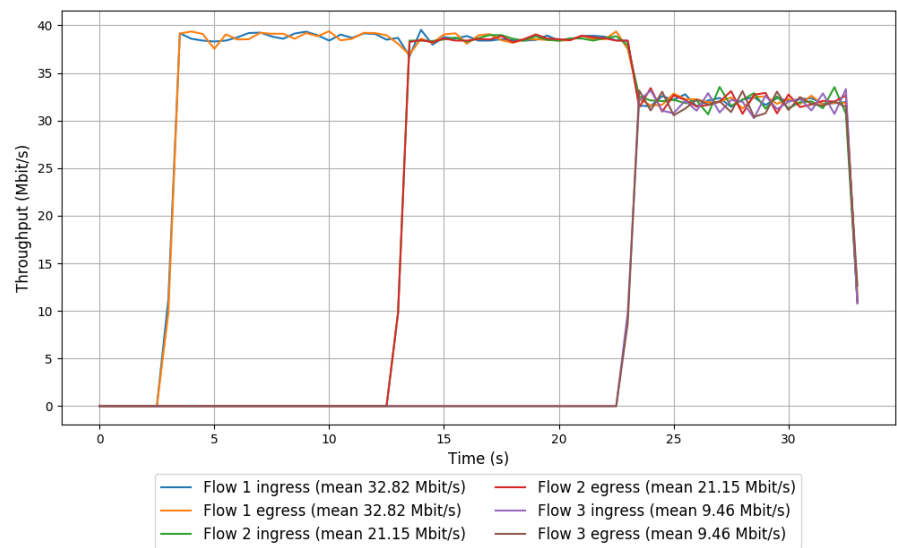
-- Flow 3:

Average throughput: 9.46 Mbit/s

95th percentile per-packet one-way delay: 14.136 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:03:12 +0000

End at: Tue, 04 Jul 2017 21:03:42 +0000

Local clock offset: 1.199 ms

Remote clock offset: -16.36 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.92 Mbit/s

95th percentile per-packet one-way delay: 14.382 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.65 Mbit/s

95th percentile per-packet one-way delay: 14.211 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.05 Mbit/s

95th percentile per-packet one-way delay: 14.395 ms

Loss rate: 0.00%

-- Flow 3:

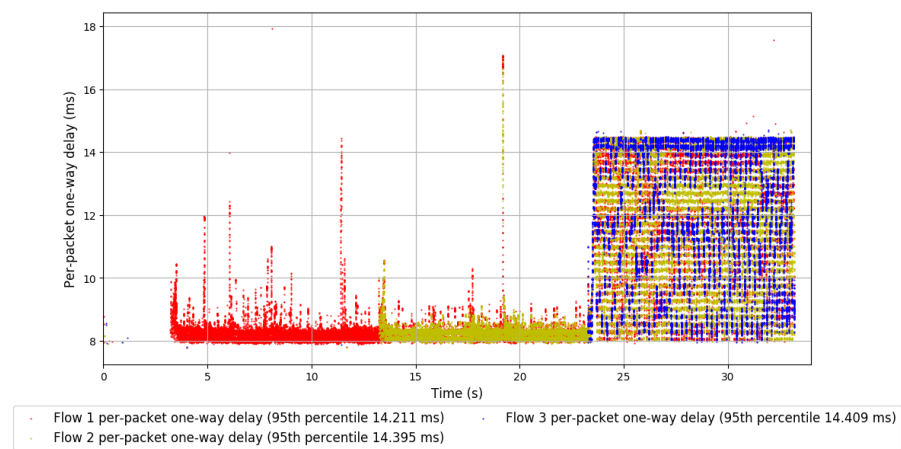
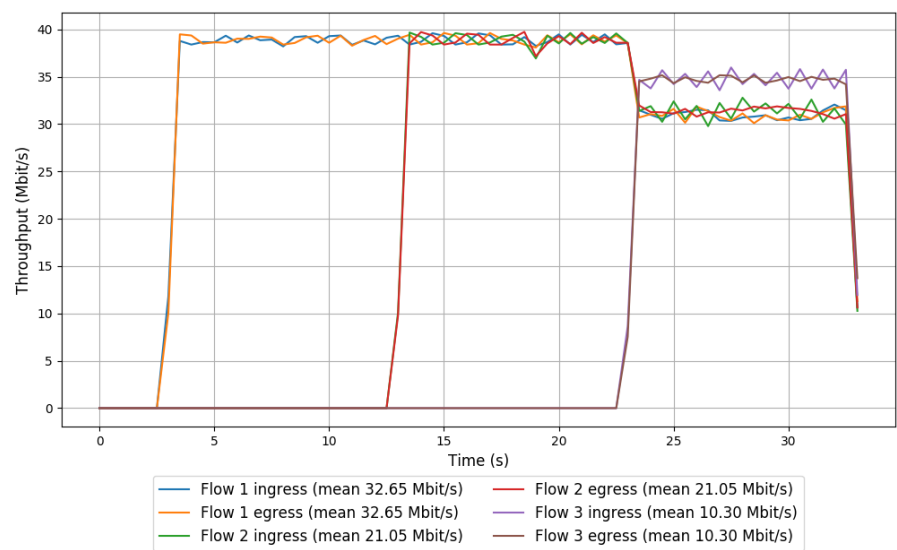
Average throughput: 10.30 Mbit/s

95th percentile per-packet one-way delay: 14.409 ms

Loss rate: 0.00%



Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:21:41 +0000

End at: Tue, 04 Jul 2017 21:22:11 +0000

Local clock offset: -1.689 ms

Remote clock offset: -16.681 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.68 Mbit/s

95th percentile per-packet one-way delay: 14.923 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 32.98 Mbit/s

95th percentile per-packet one-way delay: 14.774 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 21.19 Mbit/s

95th percentile per-packet one-way delay: 14.918 ms

Loss rate: 0.02%

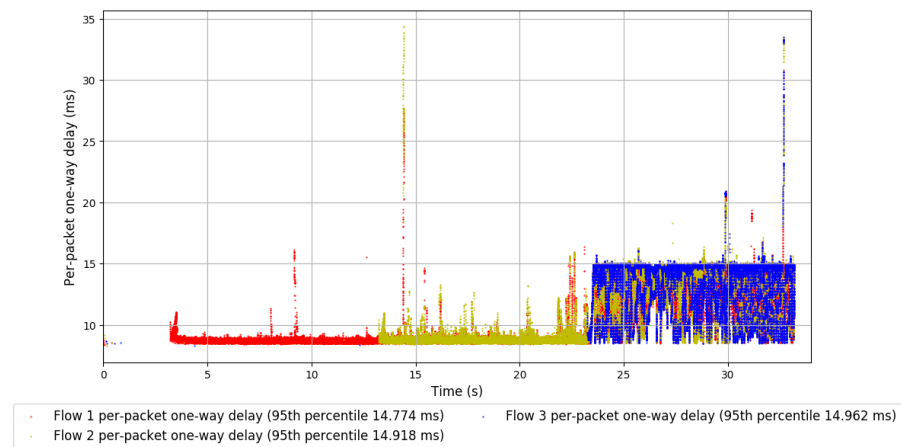
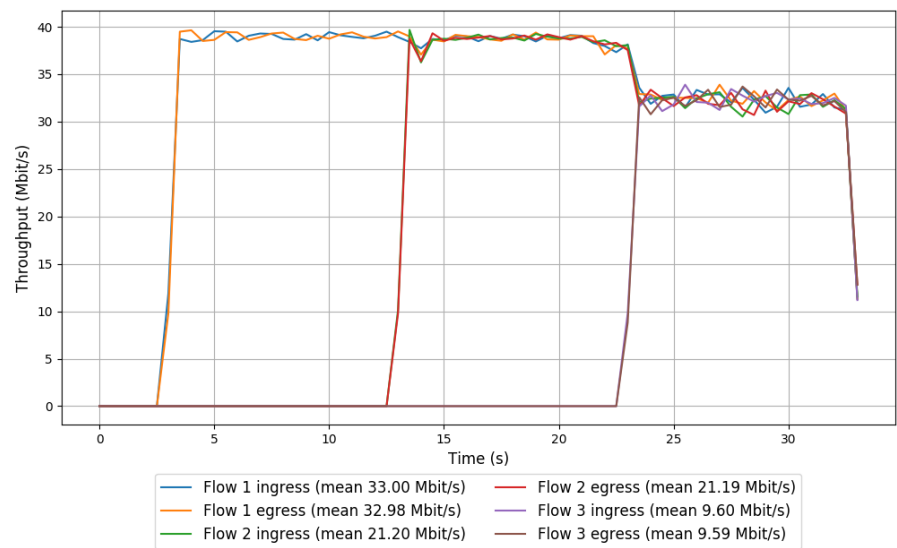
-- Flow 3:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 14.962 ms

Loss rate: 0.08%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:40:15 +0000

End at: Tue, 04 Jul 2017 21:40:45 +0000

Local clock offset: -1.91 ms

Remote clock offset: -17.326 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.81 Mbit/s

95th percentile per-packet one-way delay: 14.329 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.68 Mbit/s

95th percentile per-packet one-way delay: 14.158 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.96 Mbit/s

95th percentile per-packet one-way delay: 14.343 ms

Loss rate: 0.00%

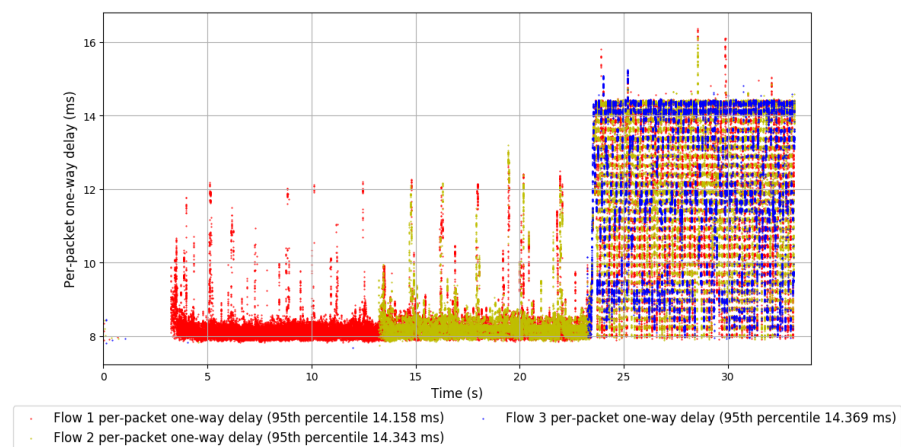
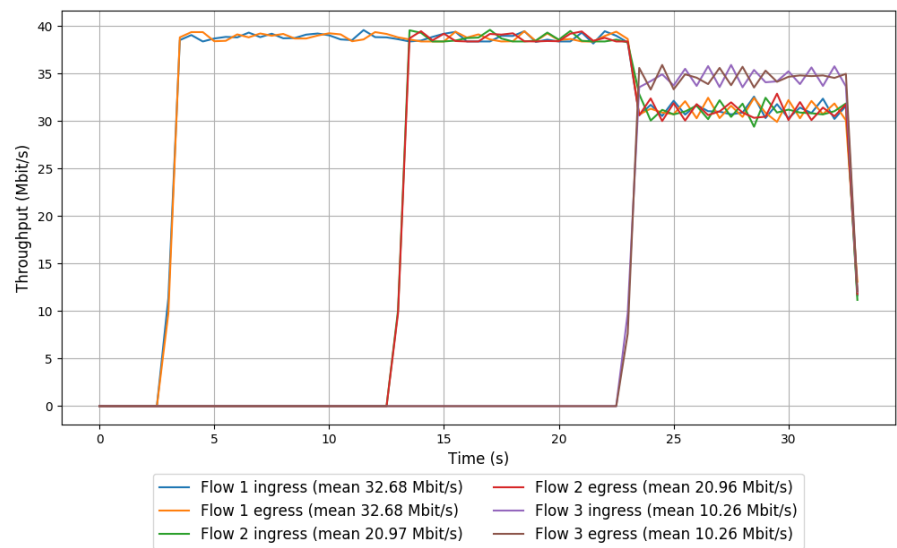
-- Flow 3:

Average throughput: 10.26 Mbit/s

95th percentile per-packet one-way delay: 14.369 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 18:49:33 +0000

End at: Tue, 04 Jul 2017 18:50:03 +0000

Local clock offset: -0.079 ms

Remote clock offset: -16.746 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.25 Mbit/s

95th percentile per-packet one-way delay: 47.393 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 47.05 Mbit/s

95th percentile per-packet one-way delay: 47.384 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 21.54 Mbit/s

95th percentile per-packet one-way delay: 47.435 ms

Loss rate: 0.12%

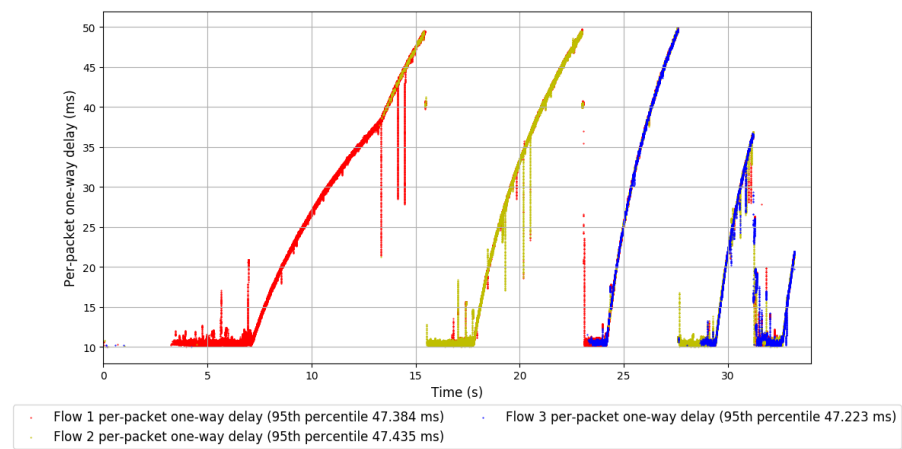
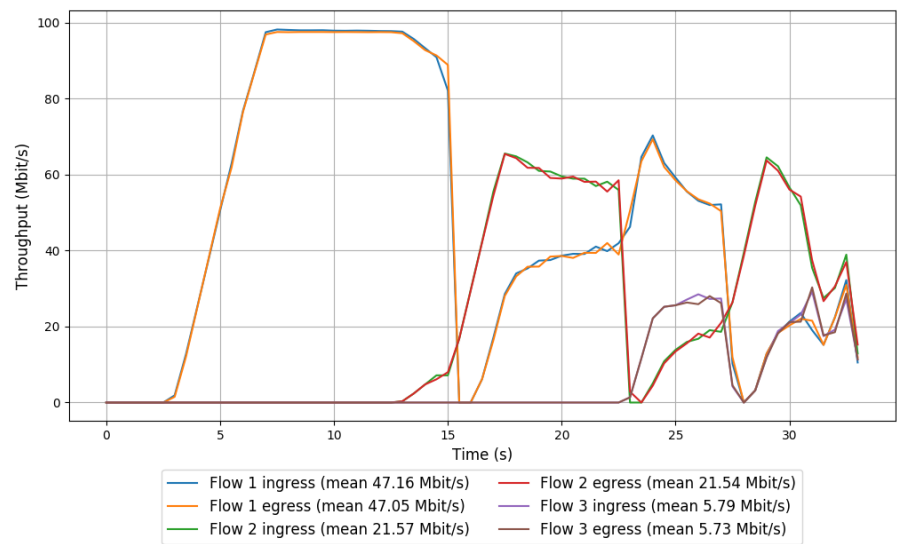
-- Flow 3:

Average throughput: 5.73 Mbit/s

95th percentile per-packet one-way delay: 47.223 ms

Loss rate: 0.94%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:07:49 +0000

End at: Tue, 04 Jul 2017 19:08:20 +0000

Local clock offset: -0.483 ms

Remote clock offset: -15.677 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.56 Mbit/s

95th percentile per-packet one-way delay: 45.928 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 48.09 Mbit/s

95th percentile per-packet one-way delay: 44.626 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 19.17 Mbit/s

95th percentile per-packet one-way delay: 46.645 ms

Loss rate: 0.19%

-- Flow 3:

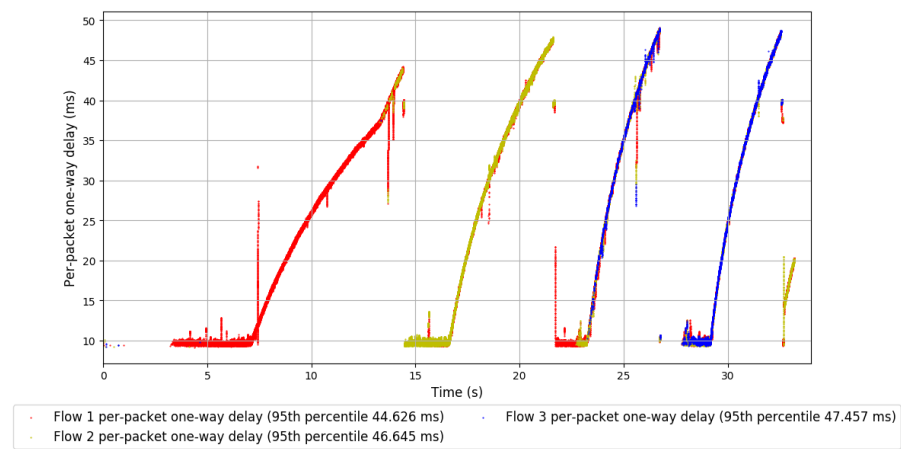
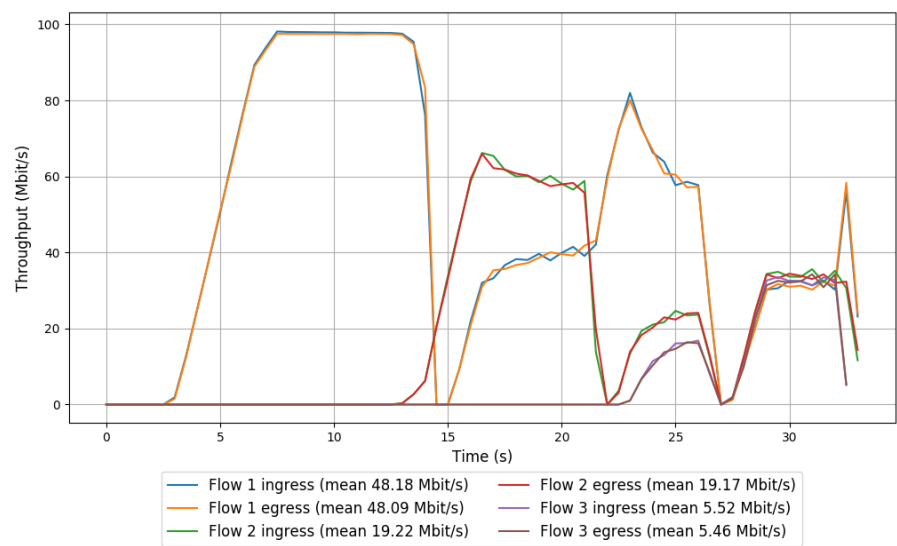
Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 47.457 ms

Loss rate: 1.03%



Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:26:07 +0000

End at: Tue, 04 Jul 2017 19:26:37 +0000

Local clock offset: 1.617 ms

Remote clock offset: -15.645 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:37 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.09 Mbit/s

95th percentile per-packet one-way delay: 46.034 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 47.03 Mbit/s

95th percentile per-packet one-way delay: 45.741 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 20.44 Mbit/s

95th percentile per-packet one-way delay: 46.470 ms

Loss rate: 0.84%

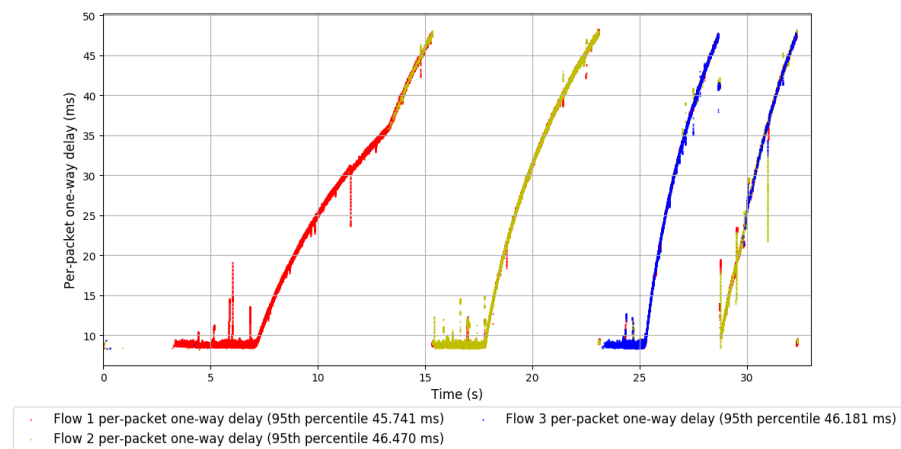
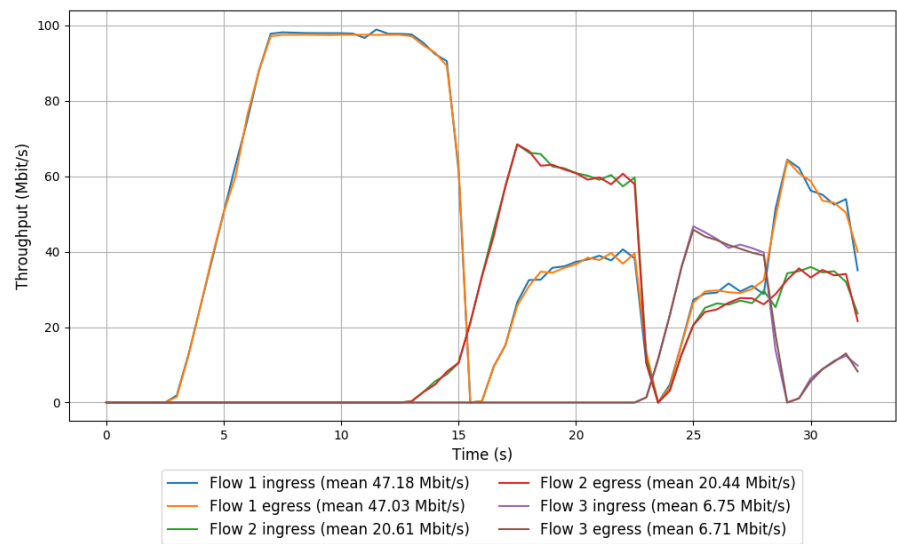
-- Flow 3:

Average throughput: 6.71 Mbit/s

95th percentile per-packet one-way delay: 46.181 ms

Loss rate: 0.68%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:44:21 +0000

End at: Tue, 04 Jul 2017 19:44:51 +0000

Local clock offset: -0.116 ms

Remote clock offset: -16.14 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:37 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.48 Mbit/s

95th percentile per-packet one-way delay: 44.246 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 42.845 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 45.008 ms

Loss rate: 0.17%

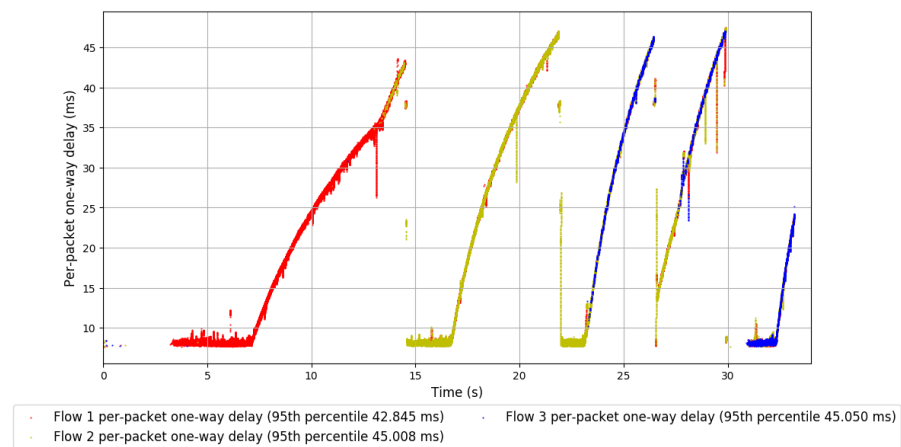
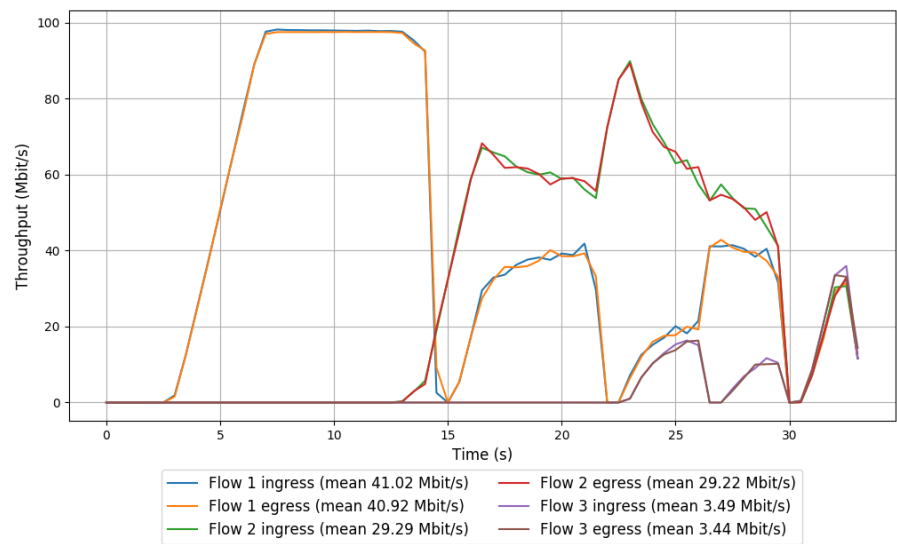
-- Flow 3:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: 45.050 ms

Loss rate: 1.24%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:03:18 +0000

End at: Tue, 04 Jul 2017 20:03:48 +0000

Local clock offset: -1.648 ms

Remote clock offset: -15.175 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.97 Mbit/s

95th percentile per-packet one-way delay: 44.830 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 44.89 Mbit/s

95th percentile per-packet one-way delay: 44.563 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 25.66 Mbit/s

95th percentile per-packet one-way delay: 44.991 ms

Loss rate: 0.21%

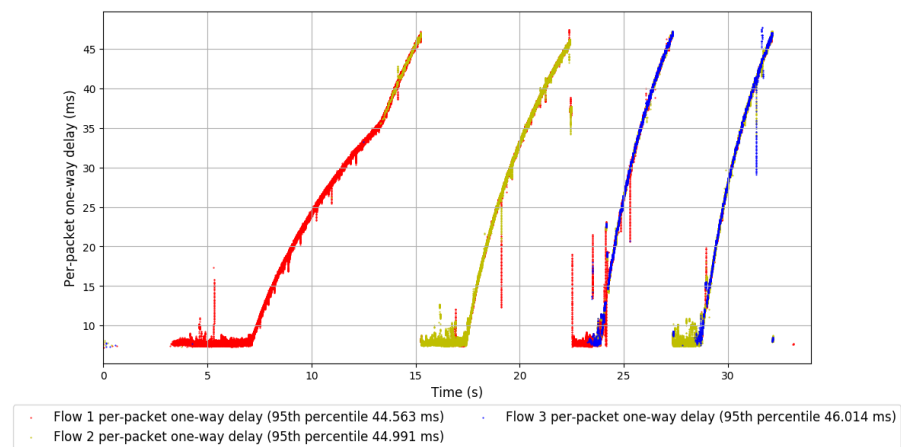
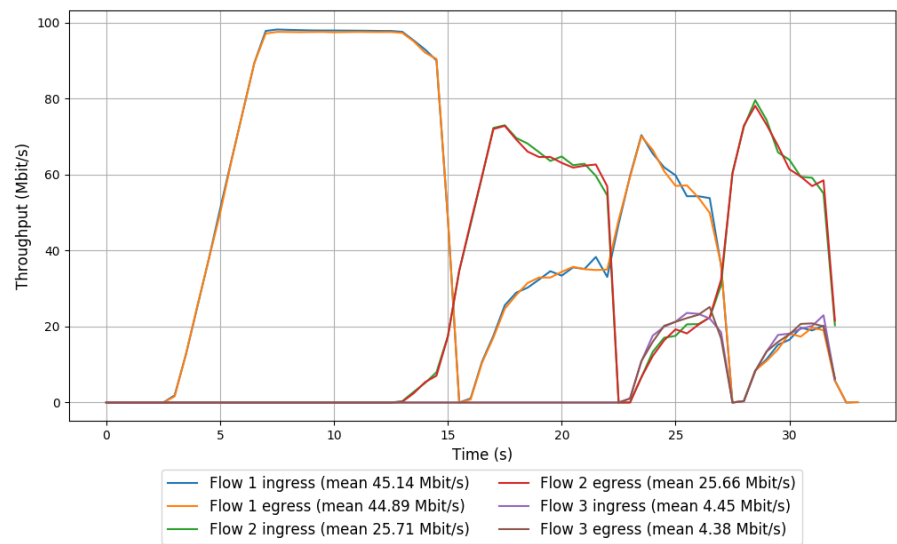
-- Flow 3:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 46.014 ms

Loss rate: 1.51%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:22:23 +0000

End at: Tue, 04 Jul 2017 20:22:53 +0000

Local clock offset: -2.181 ms

Remote clock offset: -13.462 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.42 Mbit/s

95th percentile per-packet one-way delay: 44.029 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 42.00 Mbit/s

95th percentile per-packet one-way delay: 43.844 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 44.482 ms

Loss rate: 0.47%

-- Flow 3:

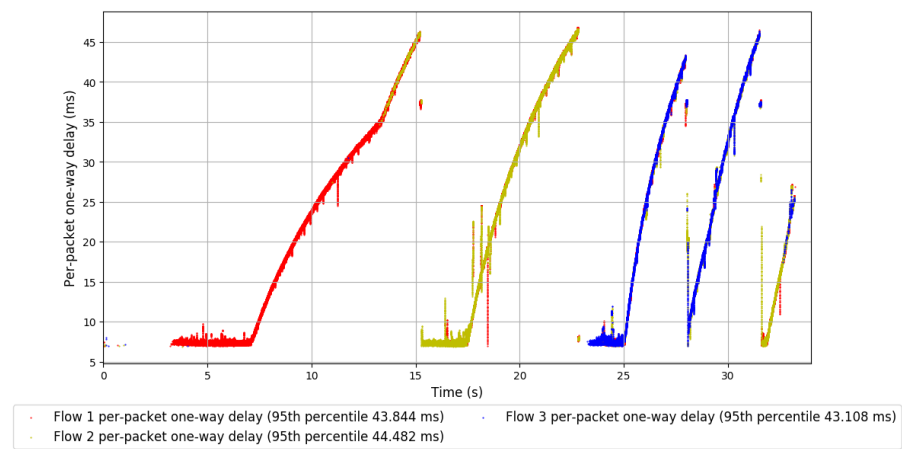
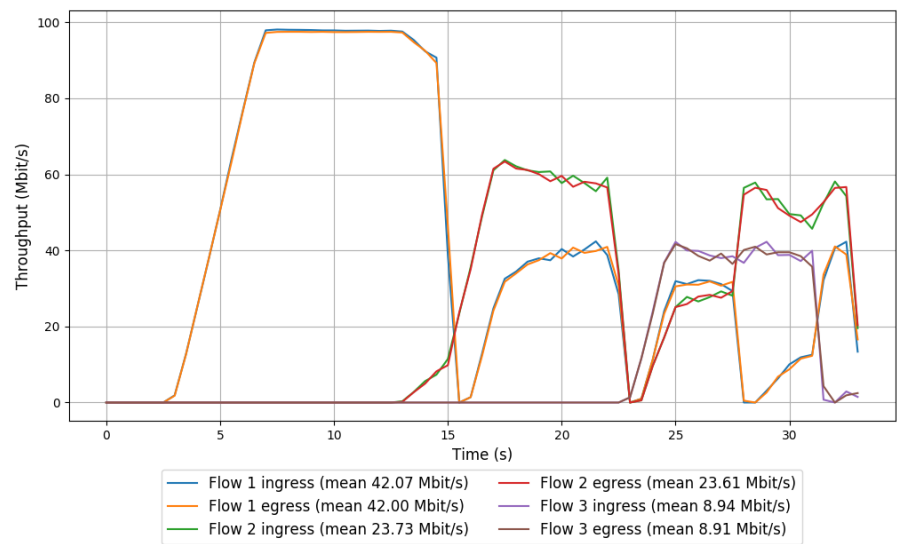
Average throughput: 8.91 Mbit/s

95th percentile per-packet one-way delay: 43.108 ms

Loss rate: 0.28%



Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:41:24 +0000

End at: Tue, 04 Jul 2017 20:41:54 +0000

Local clock offset: -1.855 ms

Remote clock offset: -17.175 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:40:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 44.911 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 50.84 Mbit/s

95th percentile per-packet one-way delay: 44.879 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 19.39 Mbit/s

95th percentile per-packet one-way delay: 44.885 ms

Loss rate: 0.24%

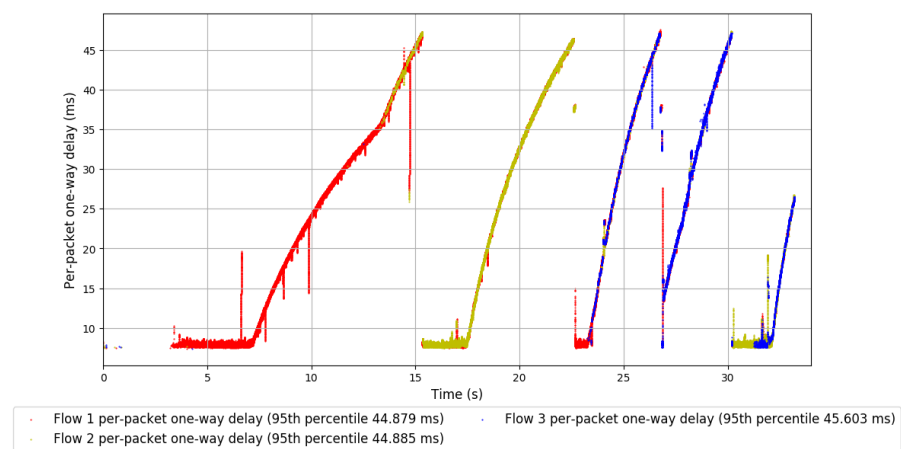
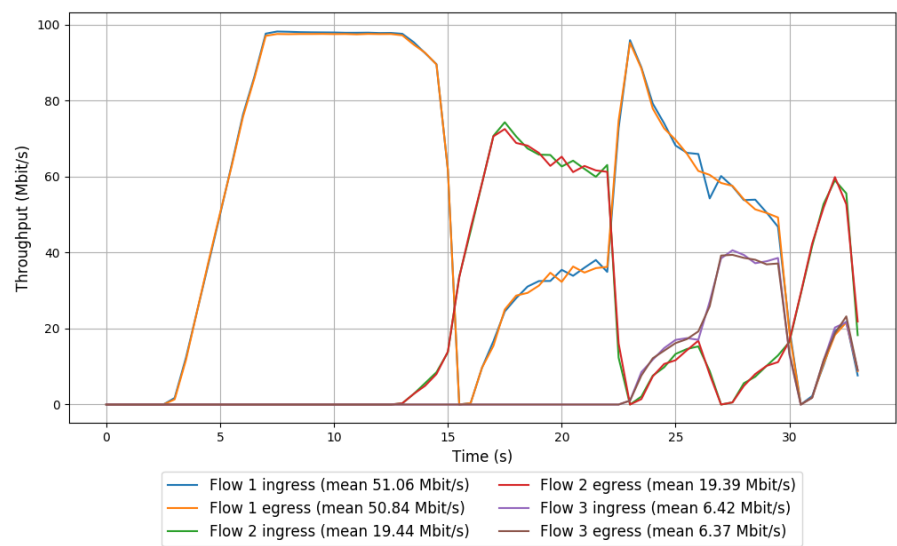
-- Flow 3:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 45.603 ms

Loss rate: 0.80%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:00:35 +0000

End at: Tue, 04 Jul 2017 21:01:05 +0000

Local clock offset: 0.194 ms

Remote clock offset: -17.105 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.09 Mbit/s

95th percentile per-packet one-way delay: 44.172 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 44.57 Mbit/s

95th percentile per-packet one-way delay: 42.675 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 16.99 Mbit/s

95th percentile per-packet one-way delay: 45.693 ms

Loss rate: 0.48%

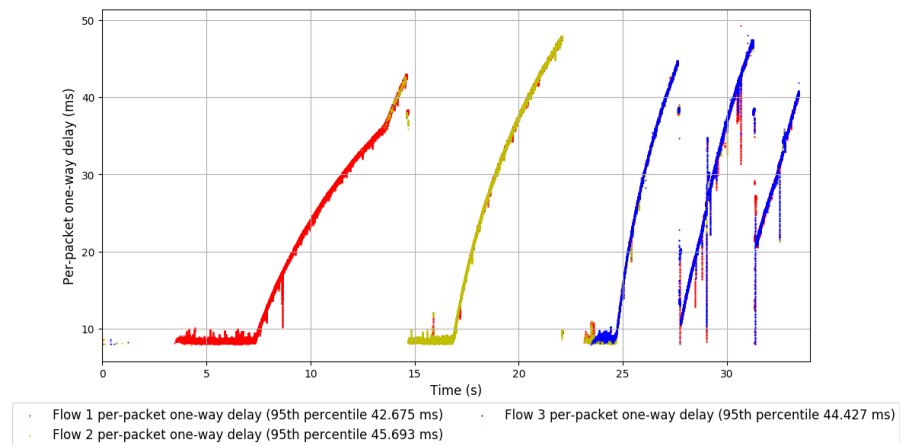
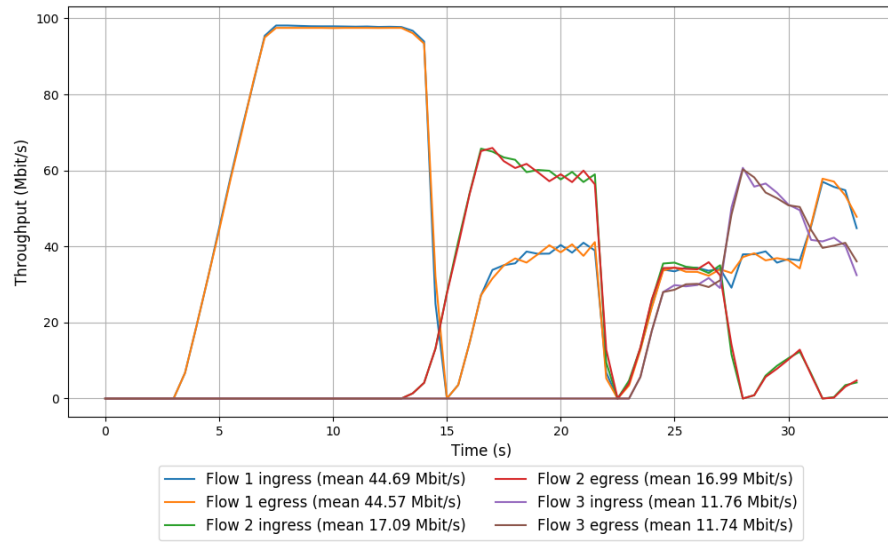
-- Flow 3:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 44.427 ms

Loss rate: 0.07%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:19:03 +0000

End at: Tue, 04 Jul 2017 21:19:33 +0000

Local clock offset: 0.943 ms

Remote clock offset: -17.578 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 44.723 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 44.728 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 19.85 Mbit/s

95th percentile per-packet one-way delay: 44.228 ms

Loss rate: 0.21%

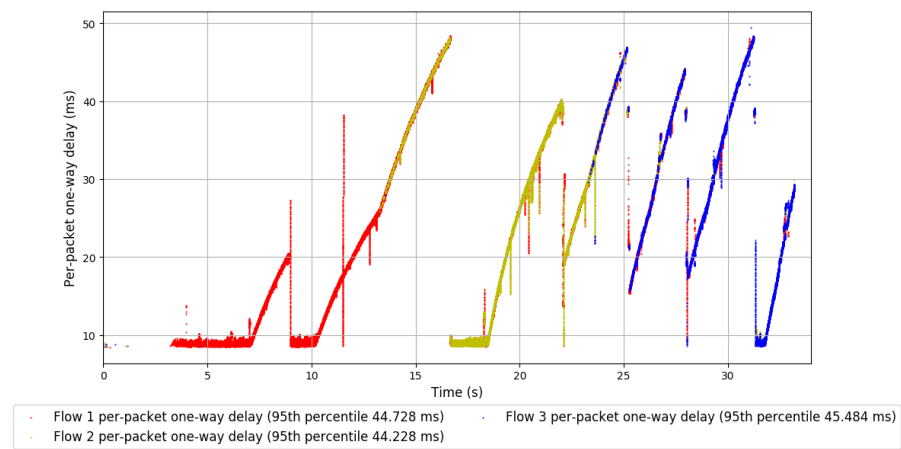
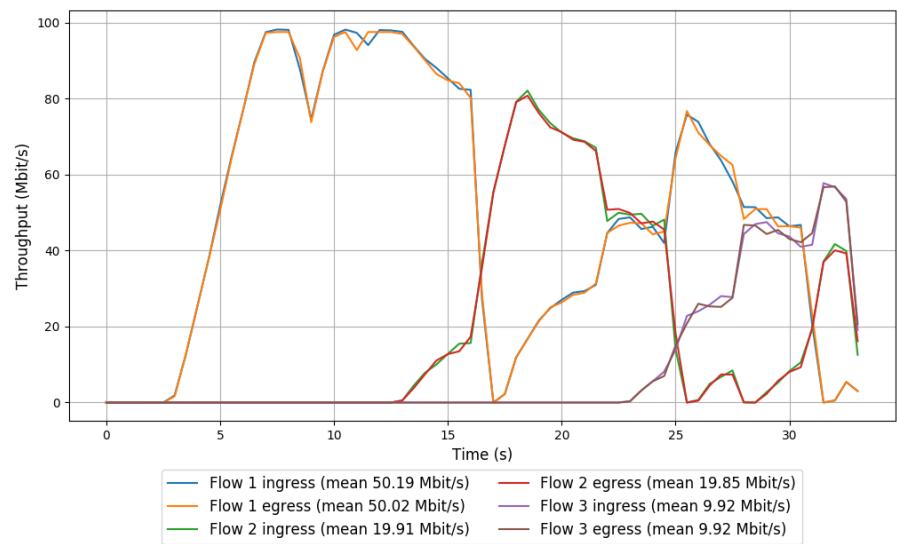
-- Flow 3:

Average throughput: 9.92 Mbit/s

95th percentile per-packet one-way delay: 45.484 ms

Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:37:44 +0000

End at: Tue, 04 Jul 2017 21:38:14 +0000

Local clock offset: -2.166 ms

Remote clock offset: -15.263 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 43.930 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 42.82 Mbit/s

95th percentile per-packet one-way delay: 43.099 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 16.70 Mbit/s

95th percentile per-packet one-way delay: 43.910 ms

Loss rate: 0.50%

-- Flow 3:

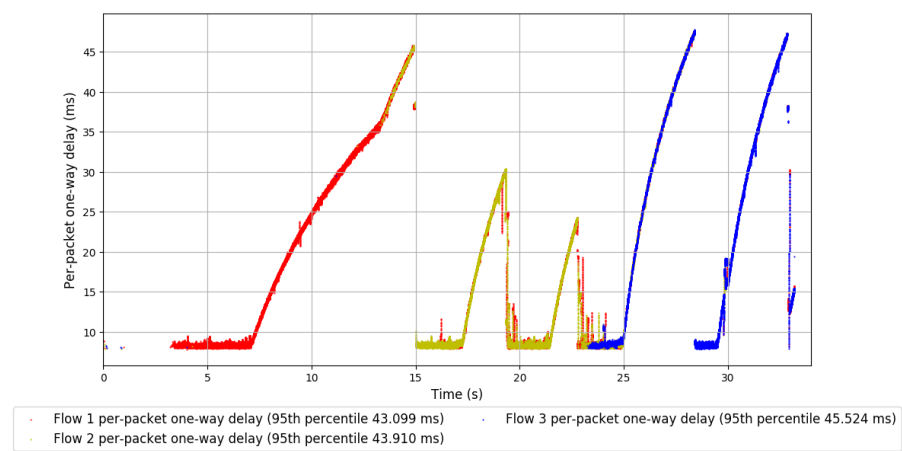
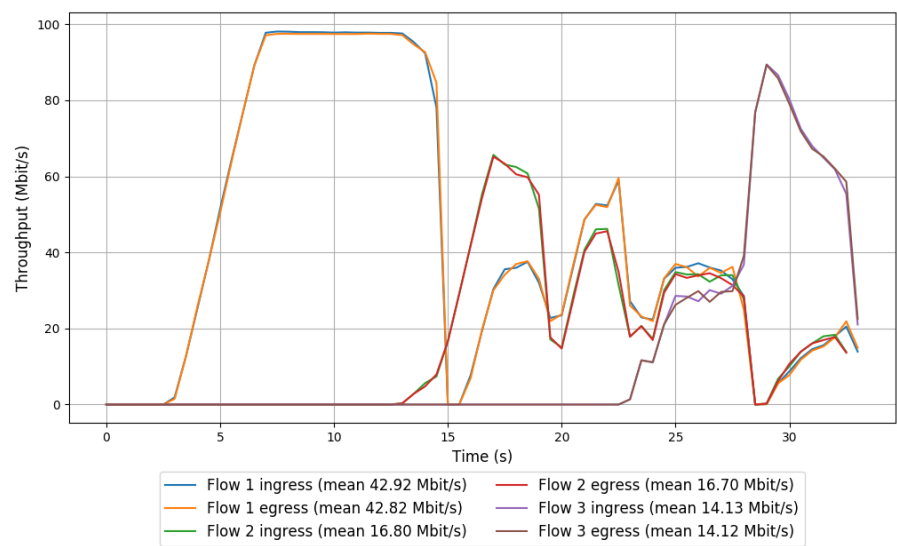
Average throughput: 14.12 Mbit/s

95th percentile per-packet one-way delay: 45.524 ms

Loss rate: 0.01%



Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 18:38:30 +0000

End at: Tue, 04 Jul 2017 18:39:00 +0000

Local clock offset: 0.98 ms

Remote clock offset: -17.484 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.24 Mbit/s

95th percentile per-packet one-way delay: 45.132 ms

Loss rate: 2.82%

-- Flow 1:

Average throughput: 66.03 Mbit/s

95th percentile per-packet one-way delay: 45.048 ms

Loss rate: 2.75%

-- Flow 2:

Average throughput: 8.46 Mbit/s

95th percentile per-packet one-way delay: 46.632 ms

Loss rate: 3.42%

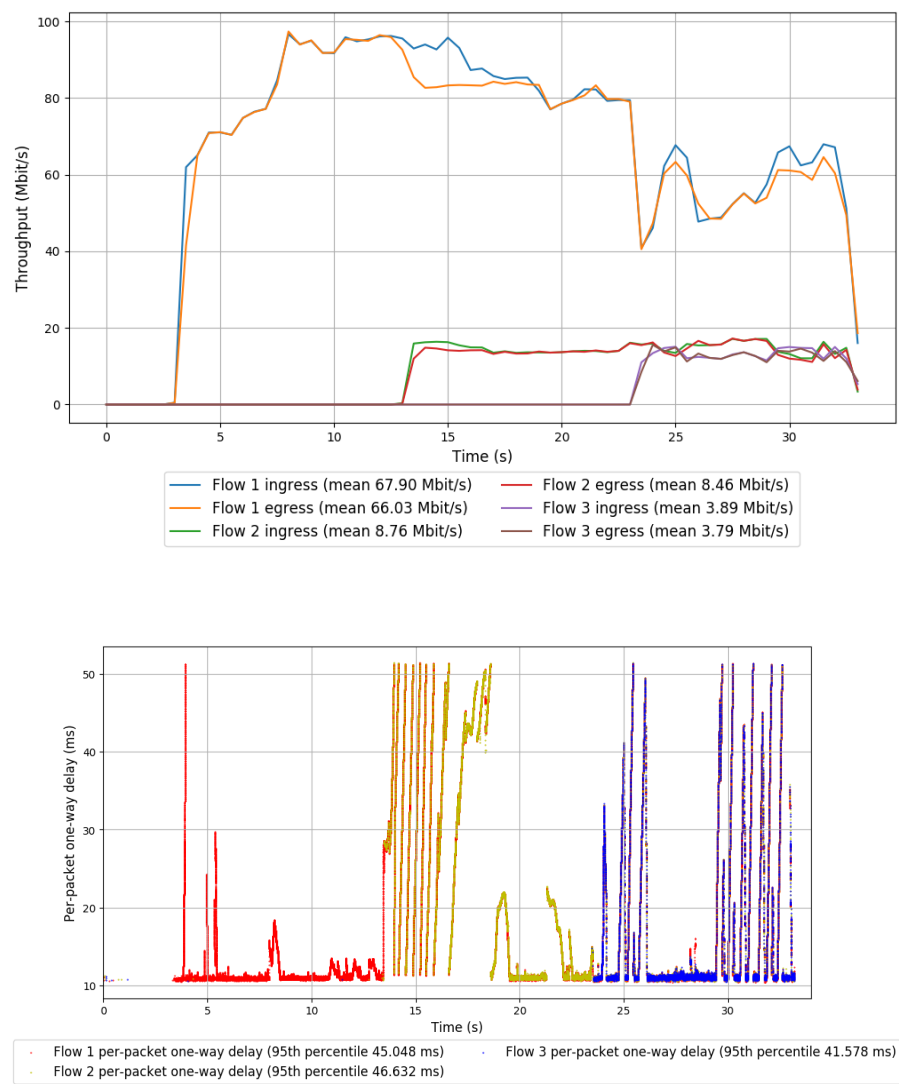
-- Flow 3:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 41.578 ms

Loss rate: 2.72%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 18:56:34 +0000

End at: Tue, 04 Jul 2017 18:57:04 +0000

Local clock offset: -0.488 ms

Remote clock offset: -17.553 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 22.983 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 66.06 Mbit/s

95th percentile per-packet one-way delay: 23.008 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 5.37 Mbit/s

95th percentile per-packet one-way delay: 25.716 ms

Loss rate: 1.23%

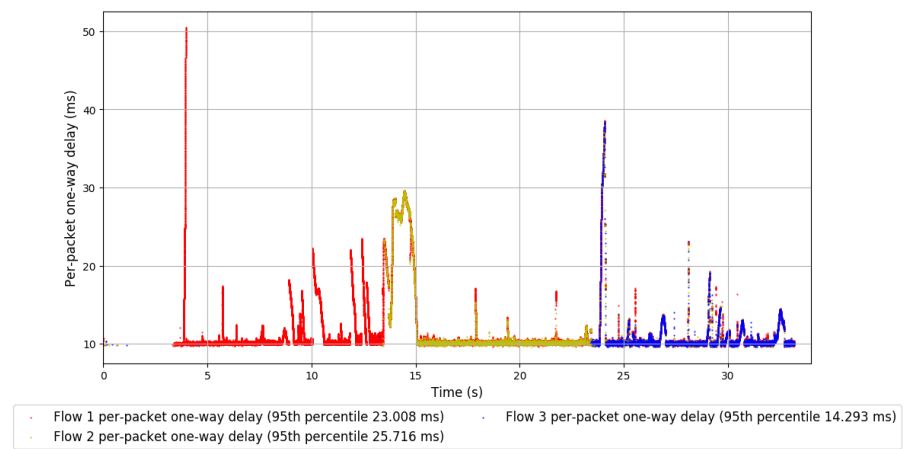
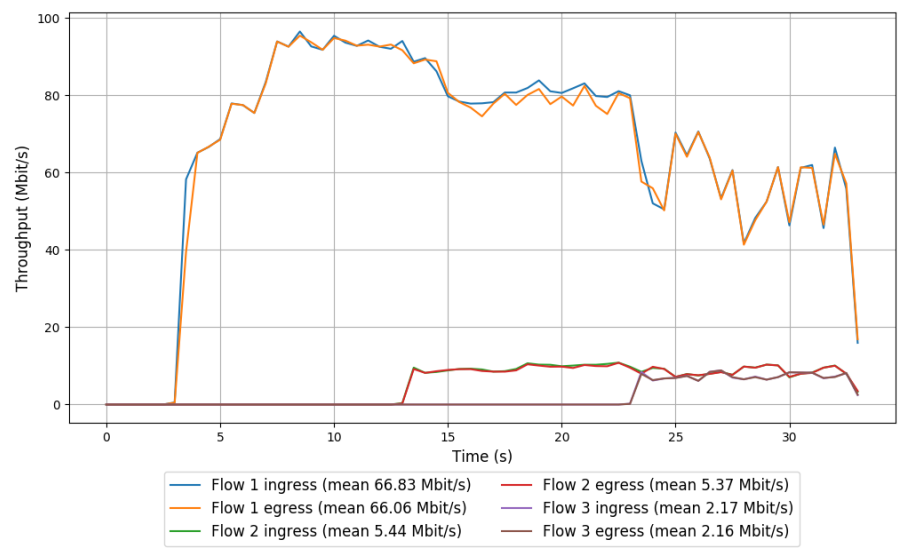
-- Flow 3:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 14.293 ms

Loss rate: 0.27%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:14:56 +0000

End at: Tue, 04 Jul 2017 19:15:26 +0000

Local clock offset: -4.818 ms

Remote clock offset: -16.021 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:35 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.11 Mbit/s

95th percentile per-packet one-way delay: 29.851 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 66.45 Mbit/s

95th percentile per-packet one-way delay: 27.933 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 31.791 ms

Loss rate: 0.23%

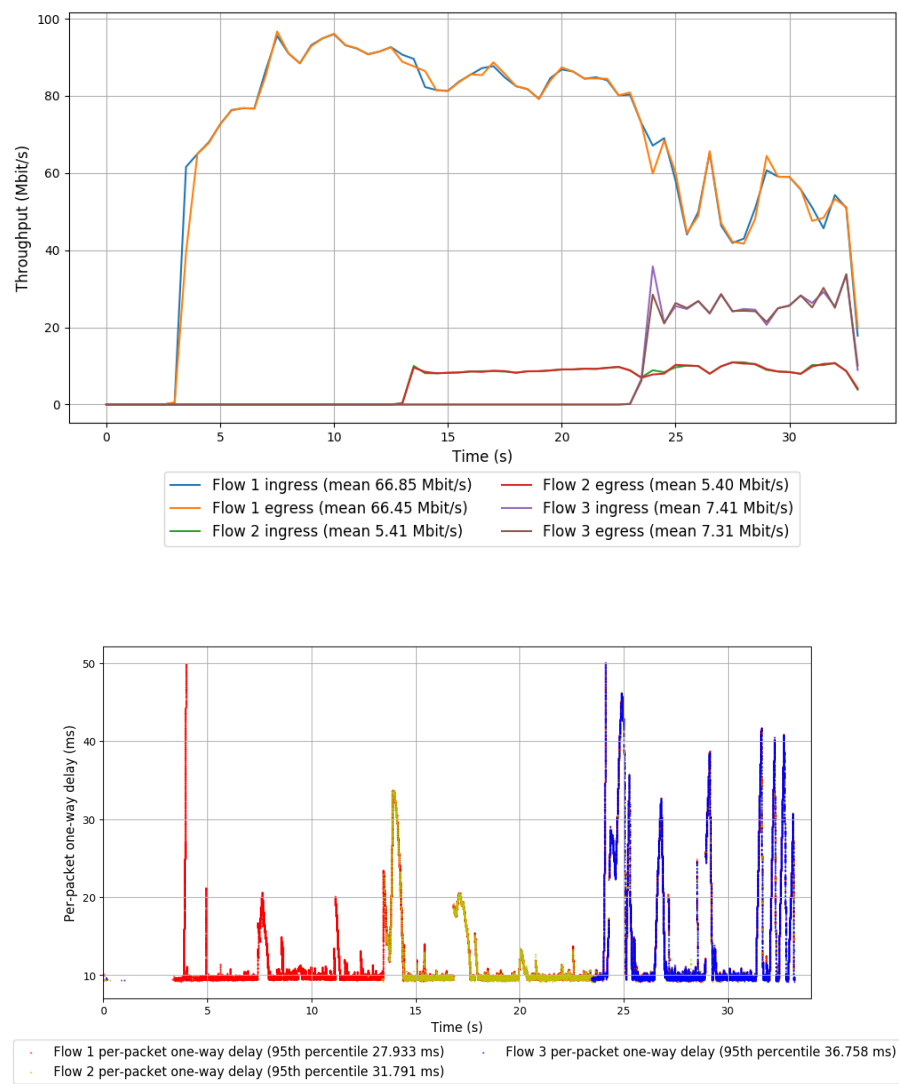
-- Flow 3:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 36.758 ms

Loss rate: 1.30%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:33:09 +0000

End at: Tue, 04 Jul 2017 19:33:39 +0000

Local clock offset: -1.095 ms

Remote clock offset: -16.546 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.58 Mbit/s

95th percentile per-packet one-way delay: 44.587 ms

Loss rate: 7.38%

-- Flow 1:

Average throughput: 65.73 Mbit/s

95th percentile per-packet one-way delay: 44.508 ms

Loss rate: 7.27%

-- Flow 2:

Average throughput: 9.34 Mbit/s

95th percentile per-packet one-way delay: 45.632 ms

Loss rate: 9.20%

-- Flow 3:

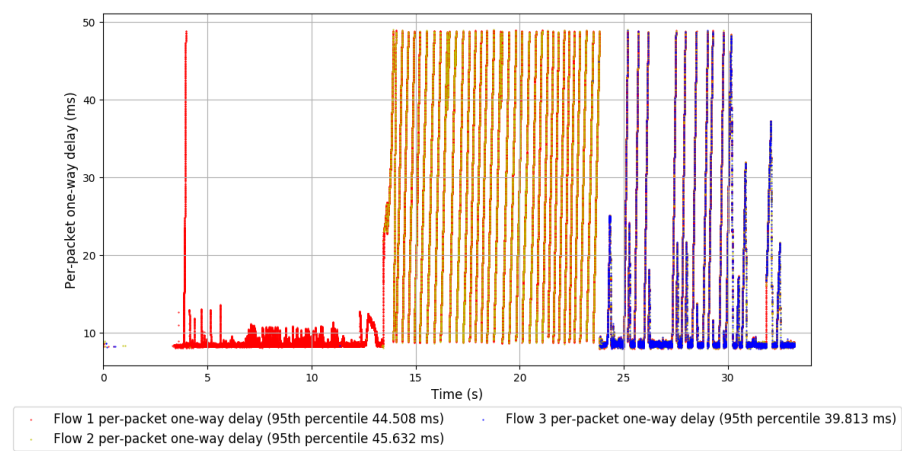
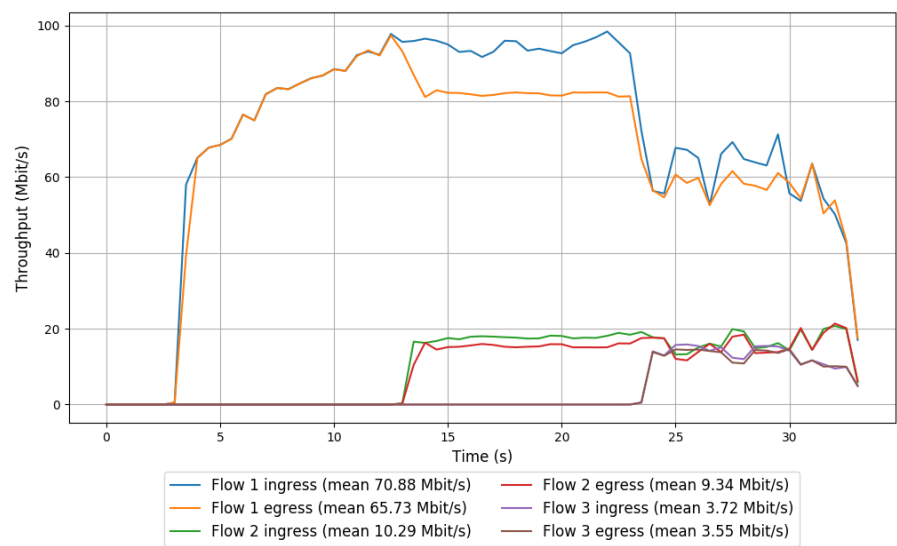
Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 39.813 ms

Loss rate: 4.42%



Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:51:32 +0000

End at: Tue, 04 Jul 2017 19:52:02 +0000

Local clock offset: -0.185 ms

Remote clock offset: -15.018 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.22 Mbit/s

95th percentile per-packet one-way delay: 20.507 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 20.272 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 6.15 Mbit/s

95th percentile per-packet one-way delay: 20.973 ms

Loss rate: 0.00%

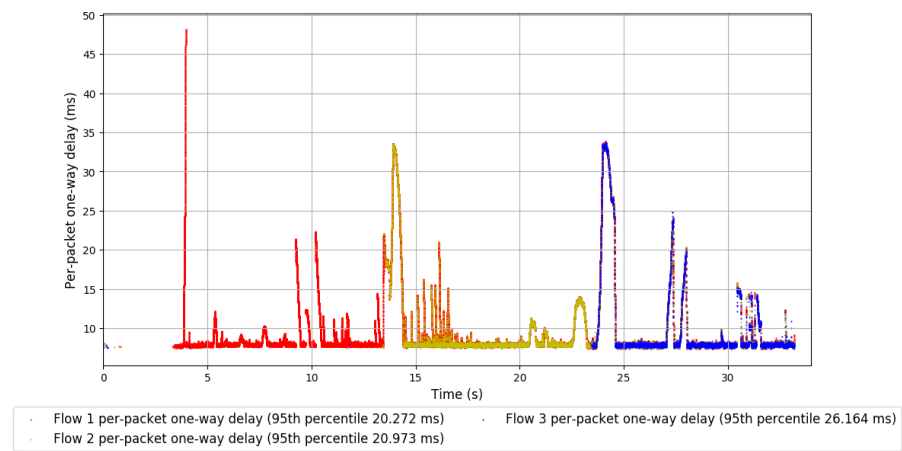
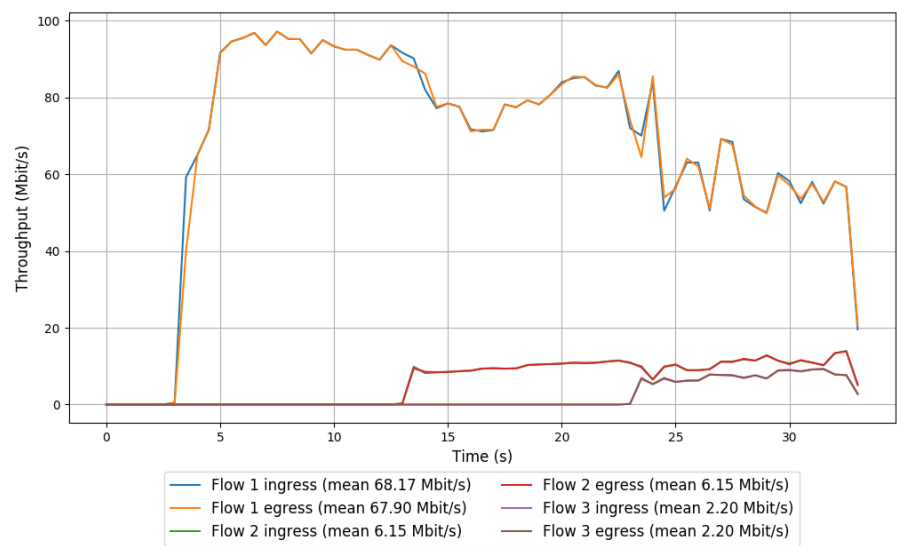
-- Flow 3:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 26.164 ms

Loss rate: 0.00%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:10:48 +0000

End at: Tue, 04 Jul 2017 20:11:18 +0000

Local clock offset: 0.452 ms

Remote clock offset: -14.782 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.79 Mbit/s

95th percentile per-packet one-way delay: 30.643 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 63.09 Mbit/s

95th percentile per-packet one-way delay: 30.635 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 6.77 Mbit/s

95th percentile per-packet one-way delay: 31.660 ms

Loss rate: 0.00%

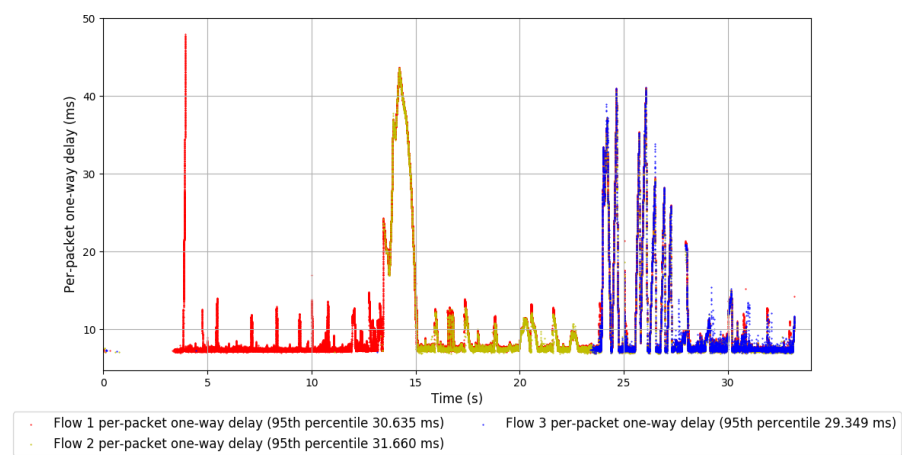
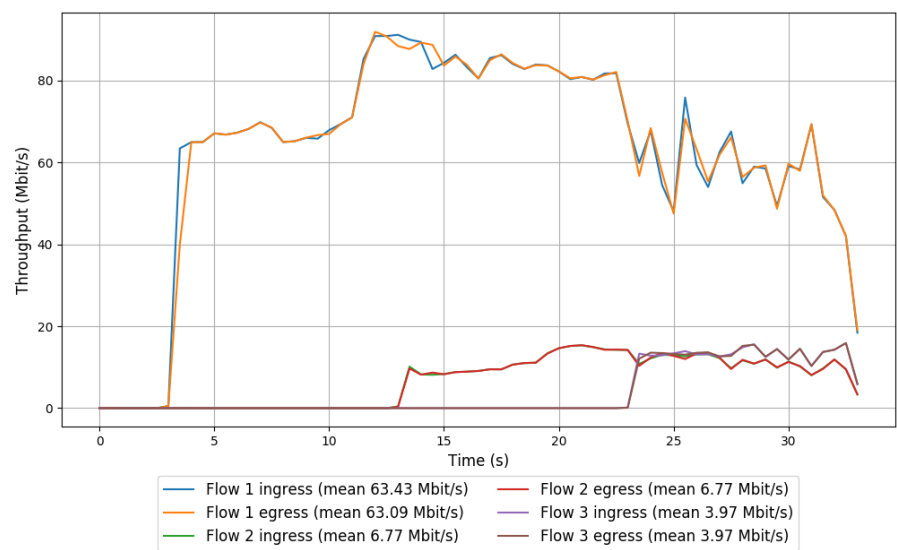
-- Flow 3:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 29.349 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:30:12 +0000

End at: Tue, 04 Jul 2017 20:30:42 +0000

Local clock offset: 0.005 ms

Remote clock offset: -13.725 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:41:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.40 Mbit/s

95th percentile per-packet one-way delay: 26.416 ms

Loss rate: 1.02%

-- Flow 1:

Average throughput: 61.25 Mbit/s

95th percentile per-packet one-way delay: 24.659 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 9.68 Mbit/s

95th percentile per-packet one-way delay: 32.465 ms

Loss rate: 0.90%

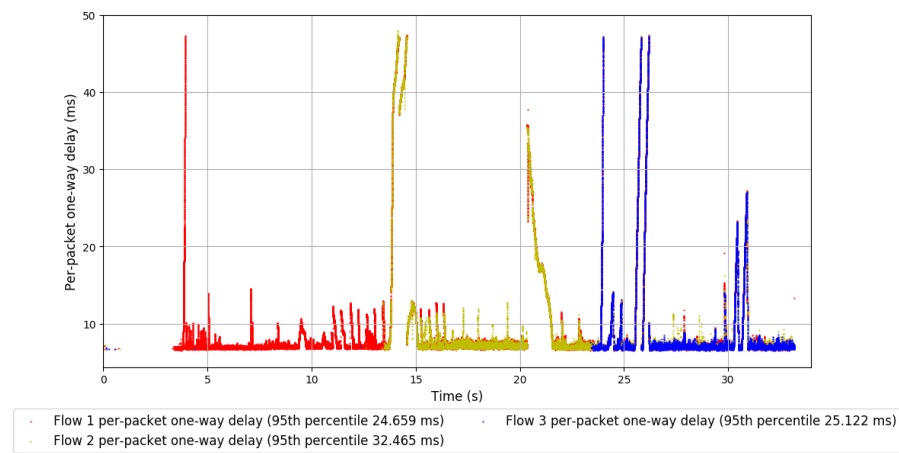
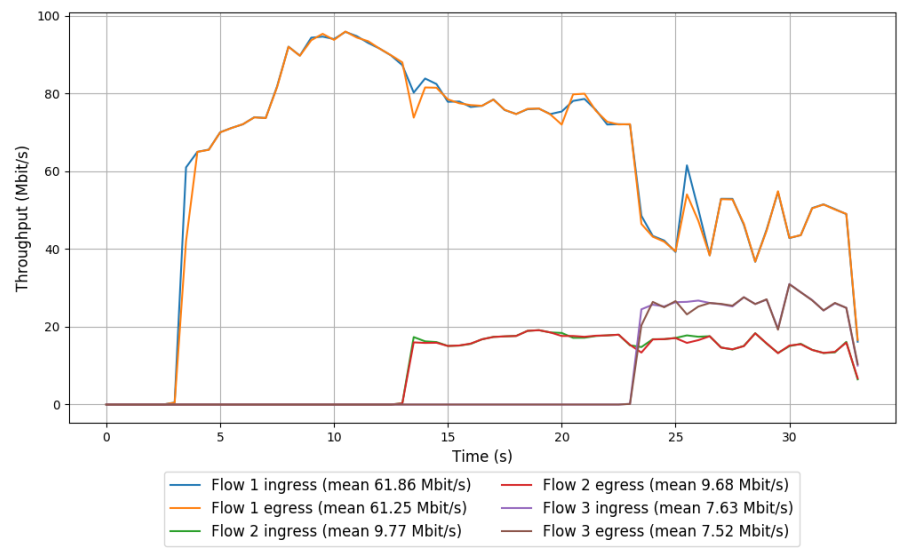
-- Flow 3:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 25.122 ms

Loss rate: 1.52%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:48:54 +0000

End at: Tue, 04 Jul 2017 20:49:24 +0000

Local clock offset: -1.541 ms

Remote clock offset: -15.862 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.43 Mbit/s

95th percentile per-packet one-way delay: 18.192 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 18.150 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 5.73 Mbit/s

95th percentile per-packet one-way delay: 18.802 ms

Loss rate: 0.00%

-- Flow 3:

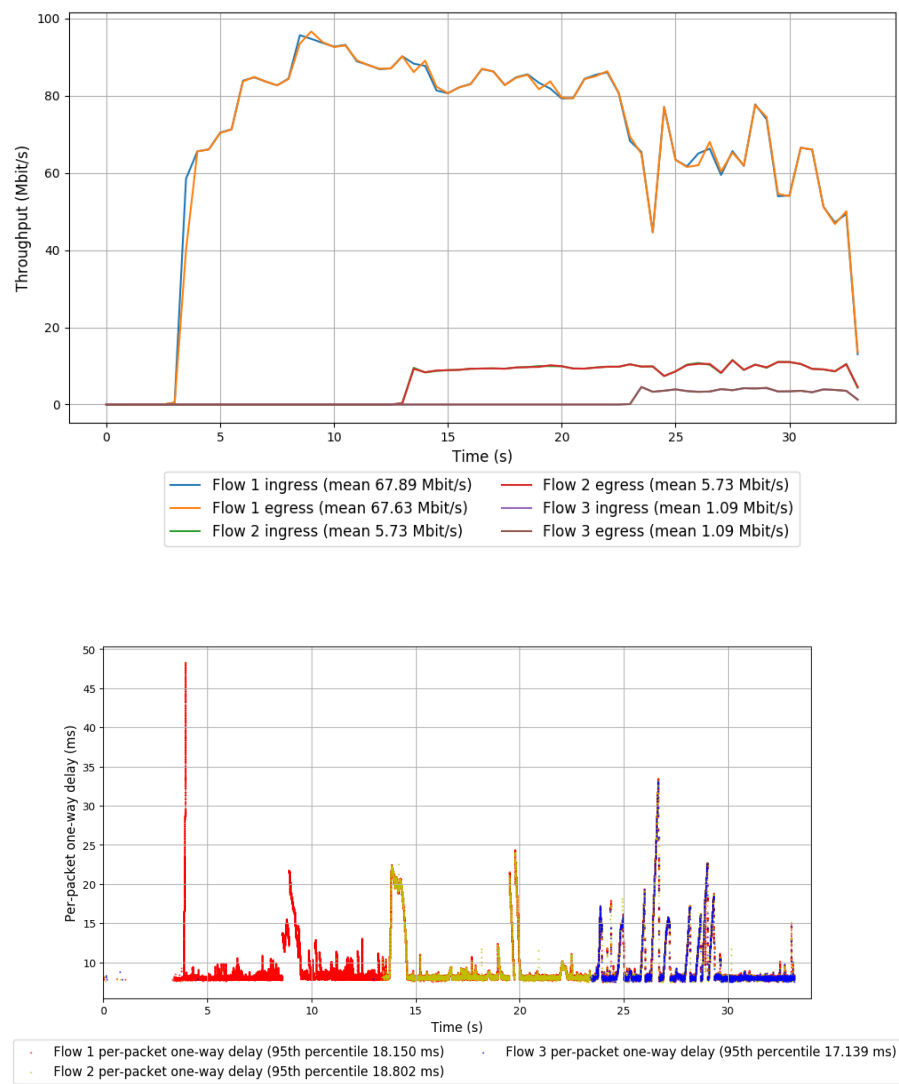
Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 17.139 ms

Loss rate: 0.00%



Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:07:51 +0000

End at: Tue, 04 Jul 2017 21:08:21 +0000

Local clock offset: 1.314 ms

Remote clock offset: -16.279 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.01 Mbit/s

95th percentile per-packet one-way delay: 21.152 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 66.40 Mbit/s

95th percentile per-packet one-way delay: 21.089 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 4.63 Mbit/s

95th percentile per-packet one-way delay: 24.321 ms

Loss rate: 0.42%

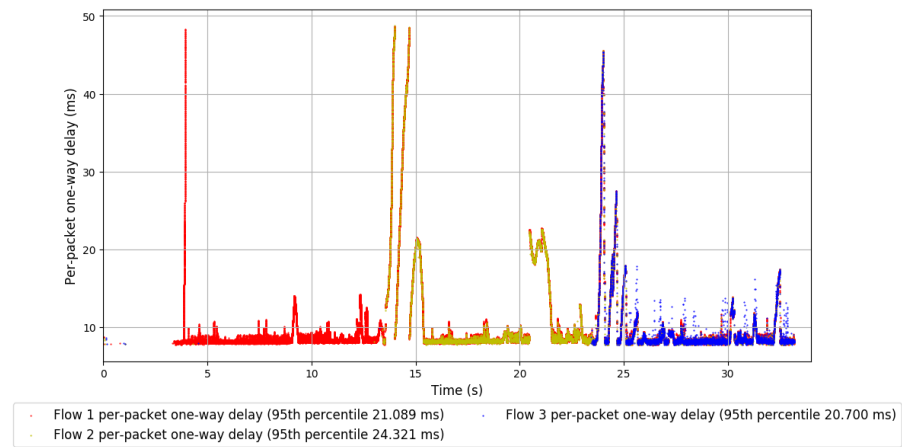
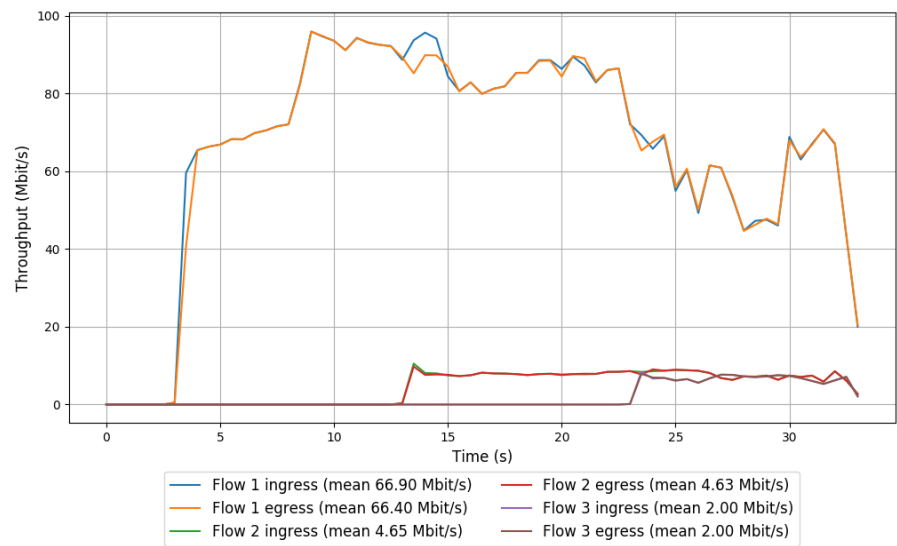
-- Flow 3:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 20.700 ms

Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:26:23 +0000

End at: Tue, 04 Jul 2017 21:26:53 +0000

Local clock offset: -2.387 ms

Remote clock offset: -16.752 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.94 Mbit/s

95th percentile per-packet one-way delay: 34.236 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 69.27 Mbit/s

95th percentile per-packet one-way delay: 34.458 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 5.55 Mbit/s

95th percentile per-packet one-way delay: 34.825 ms

Loss rate: 0.97%

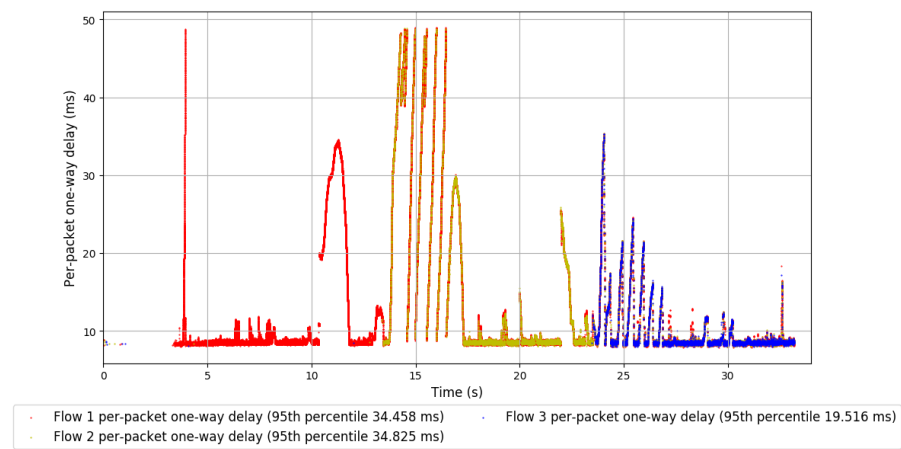
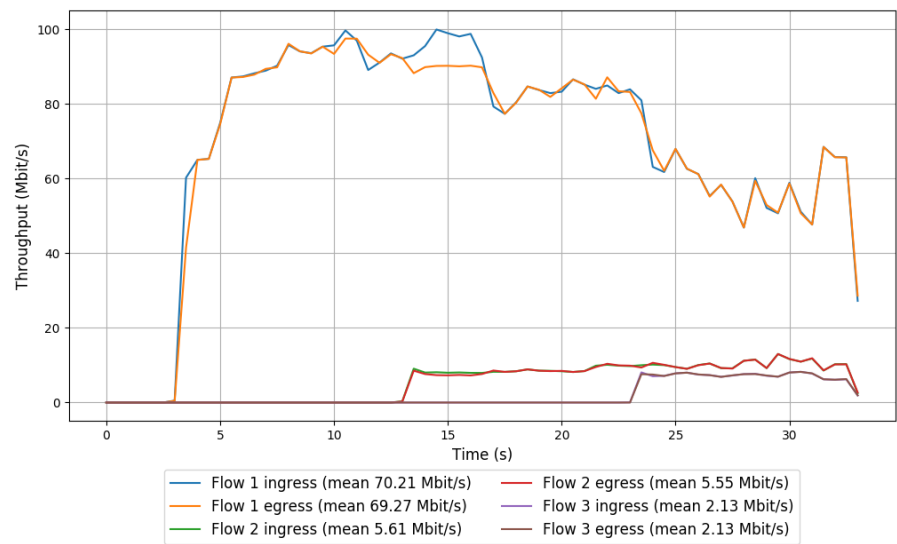
-- Flow 3:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 19.516 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

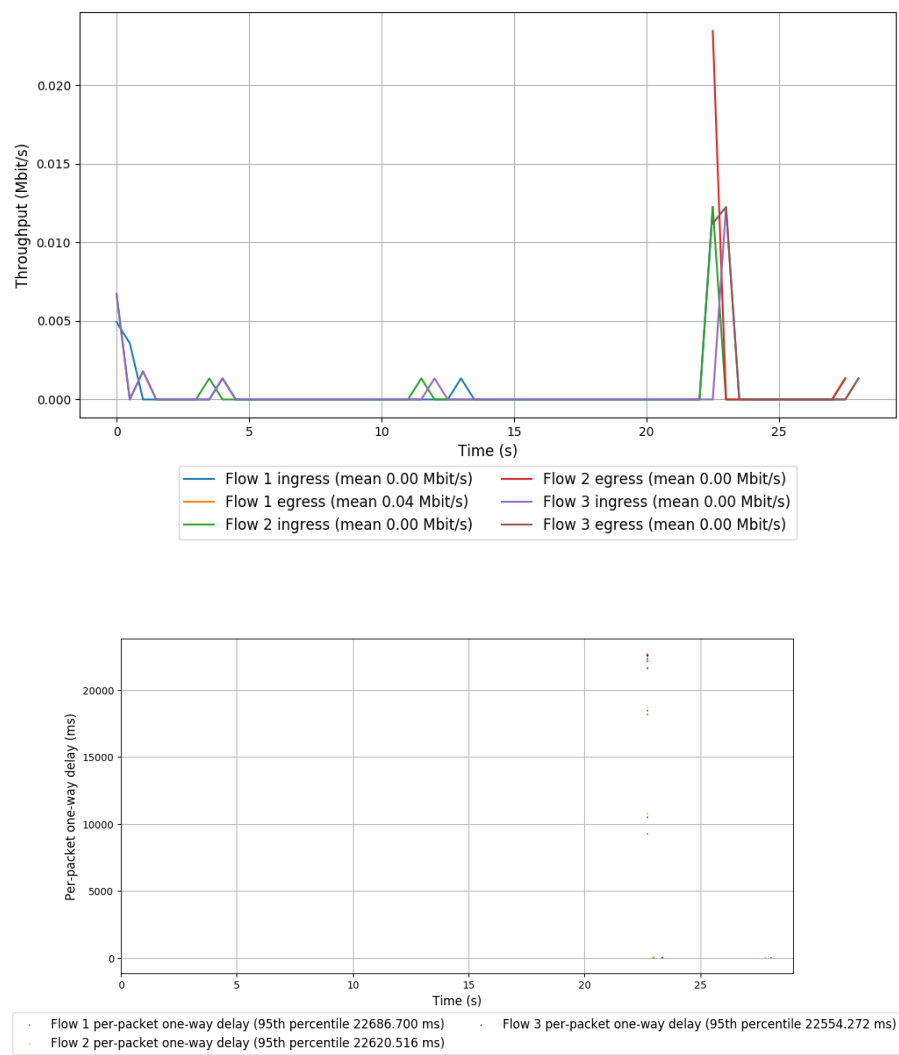
Start at: Tue, 04 Jul 2017 18:42:22 +0000

End at: Tue, 04 Jul 2017 18:42:52 +0000

Local clock offset: 3.906 ms

Remote clock offset: -15.993 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 19:00:33 +0000

End at: Tue, 04 Jul 2017 19:01:03 +0000

Local clock offset: 1.92 ms

Remote clock offset: -14.238 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.298 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.270 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.298 ms

Loss rate: 0.00%

-- Flow 3:

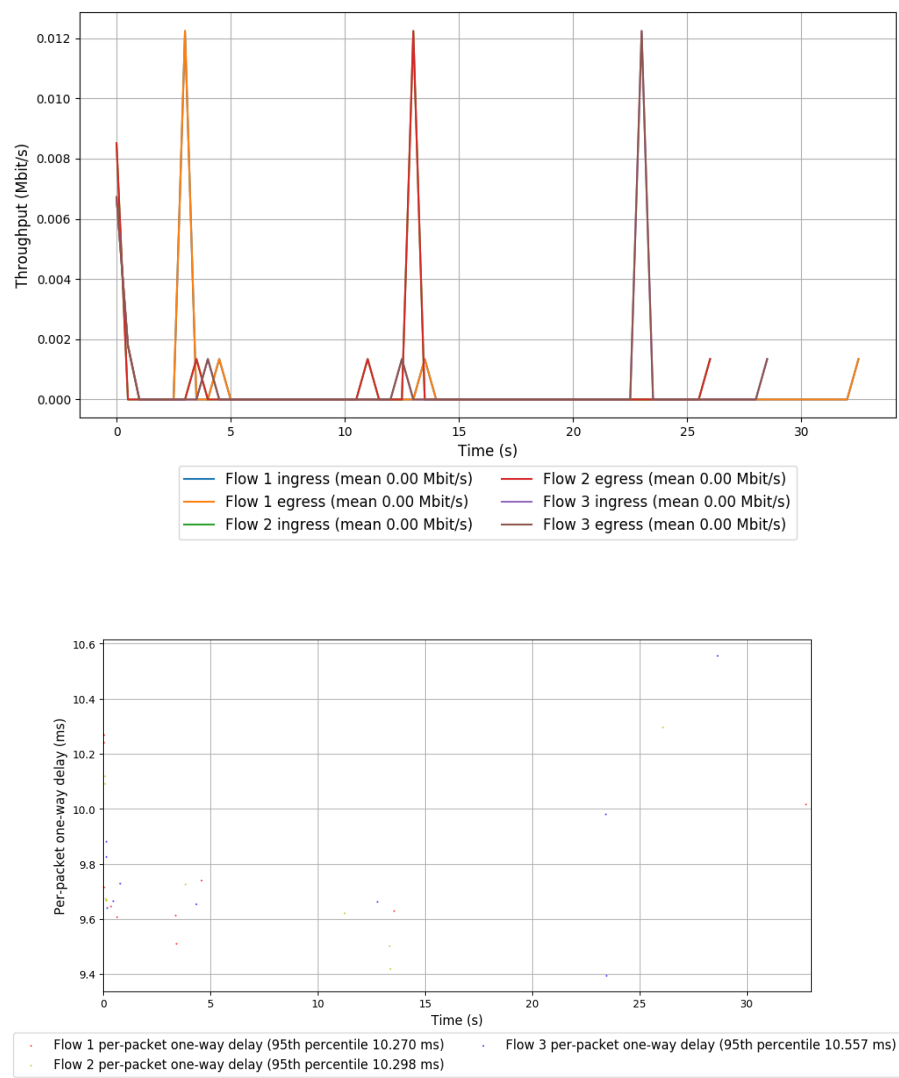
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.557 ms

Loss rate: 0.00%



Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

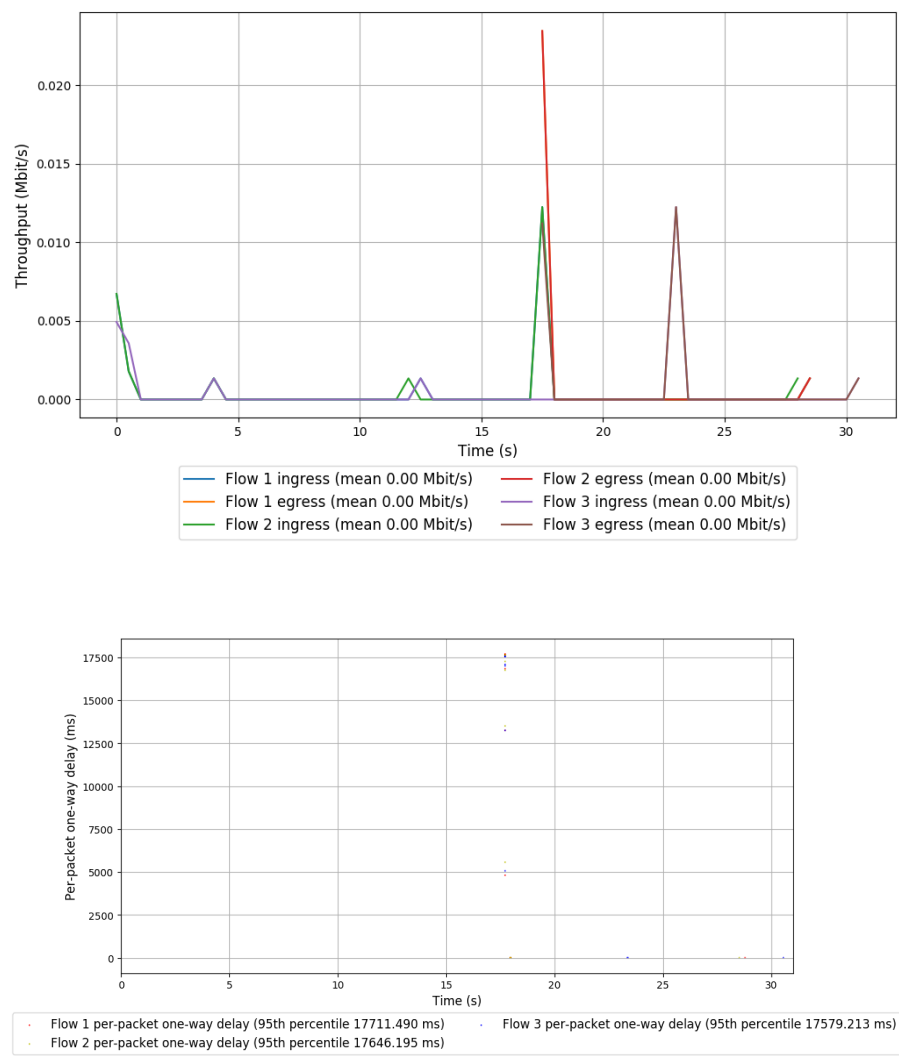
Start at: Tue, 04 Jul 2017 19:18:57 +0000

End at: Tue, 04 Jul 2017 19:19:27 +0000

Local clock offset: -1.389 ms

Remote clock offset: -15.401 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 19:37:05 +0000

End at: Tue, 04 Jul 2017 19:37:35 +0000

Local clock offset: -1.315 ms

Remote clock offset: -15.853 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8.678 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8.699 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8.502 ms

Loss rate: 0.00%

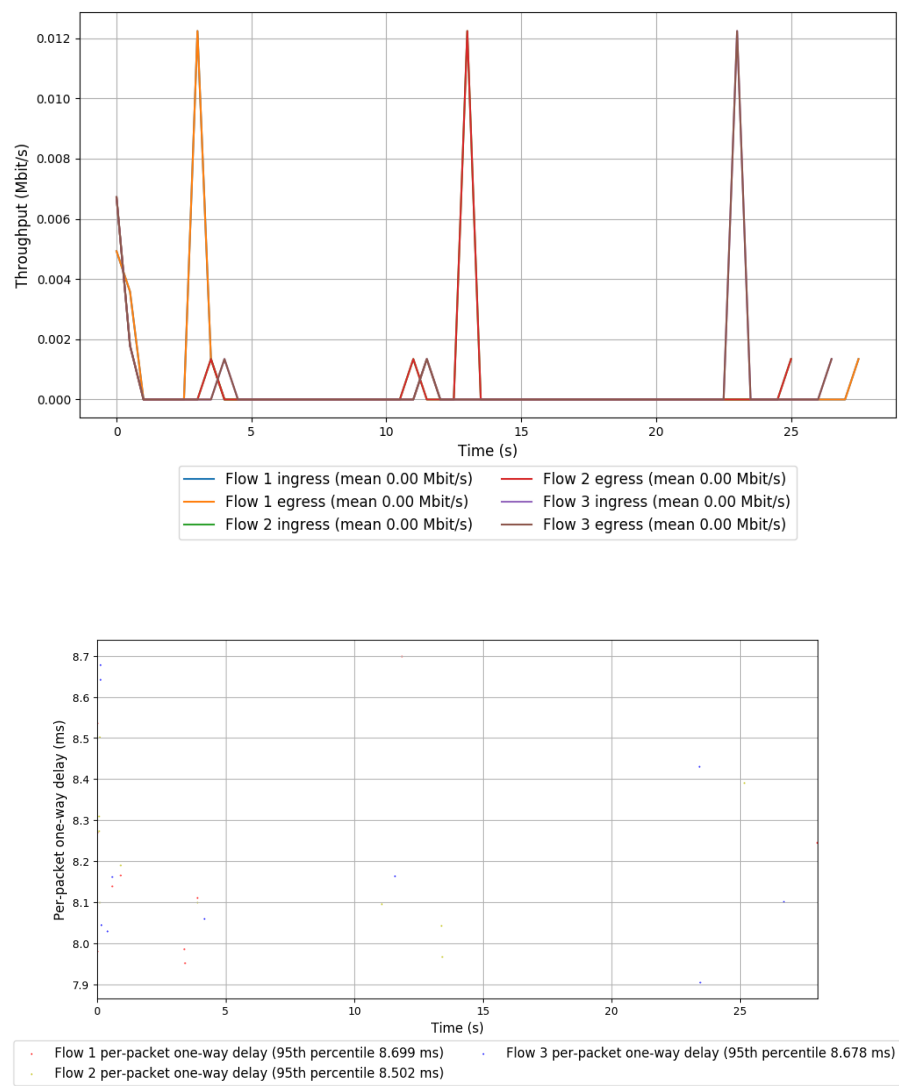
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8.678 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

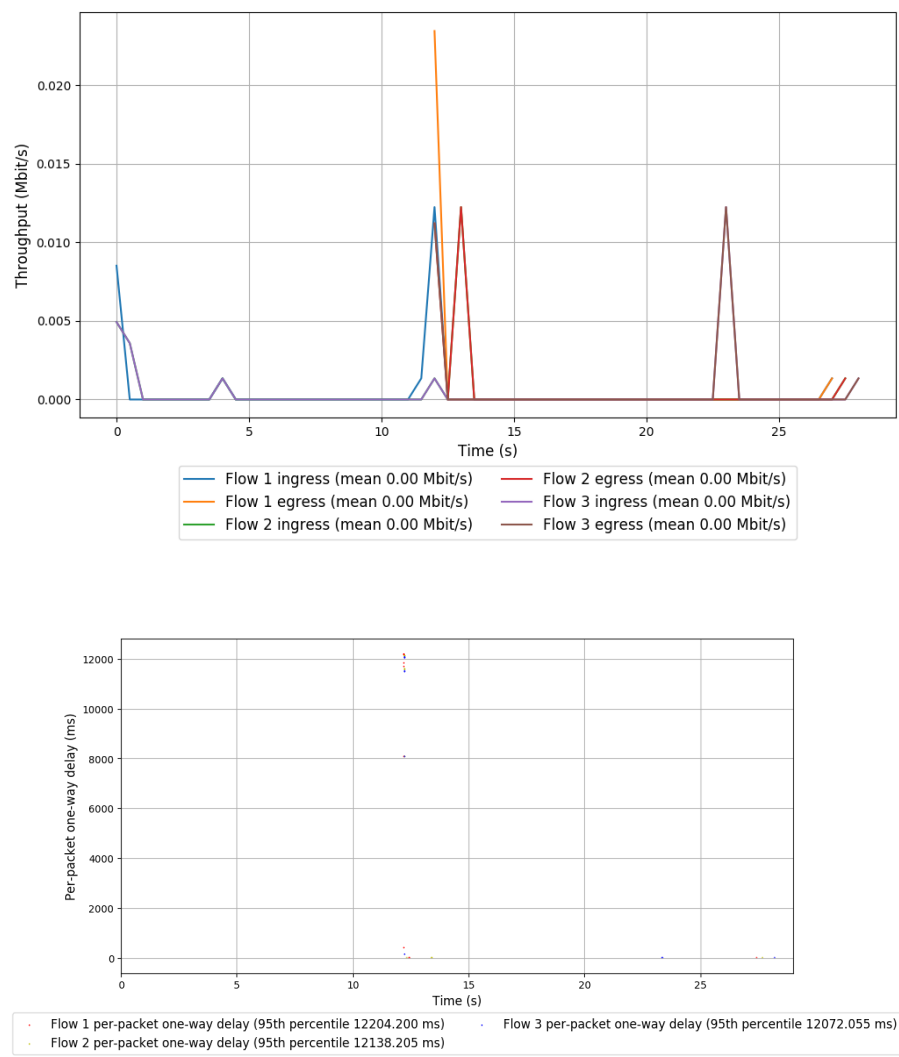
Start at: Tue, 04 Jul 2017 19:55:33 +0000

End at: Tue, 04 Jul 2017 19:56:03 +0000

Local clock offset: -1.057 ms

Remote clock offset: -16.42 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:14:43 +0000

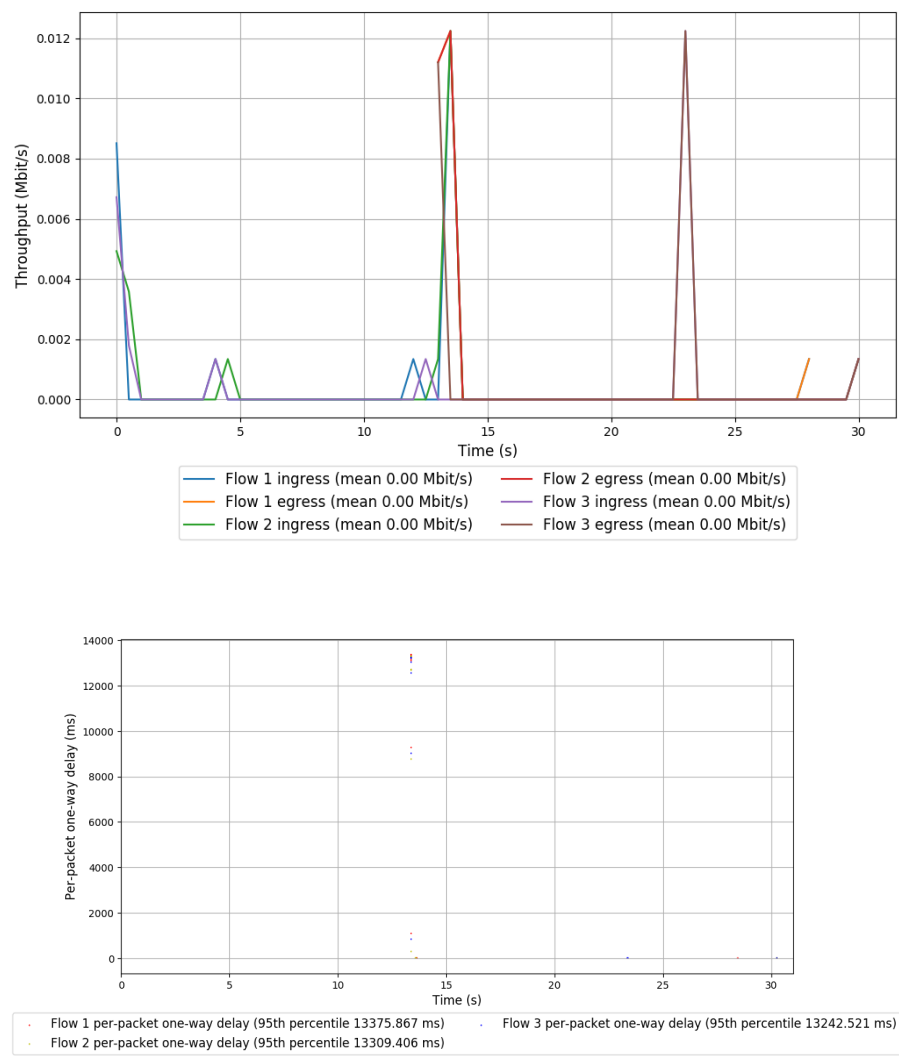
End at: Tue, 04 Jul 2017 20:15:13 +0000

Local clock offset: -0.021 ms

Remote clock offset: -14.554 ms



Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

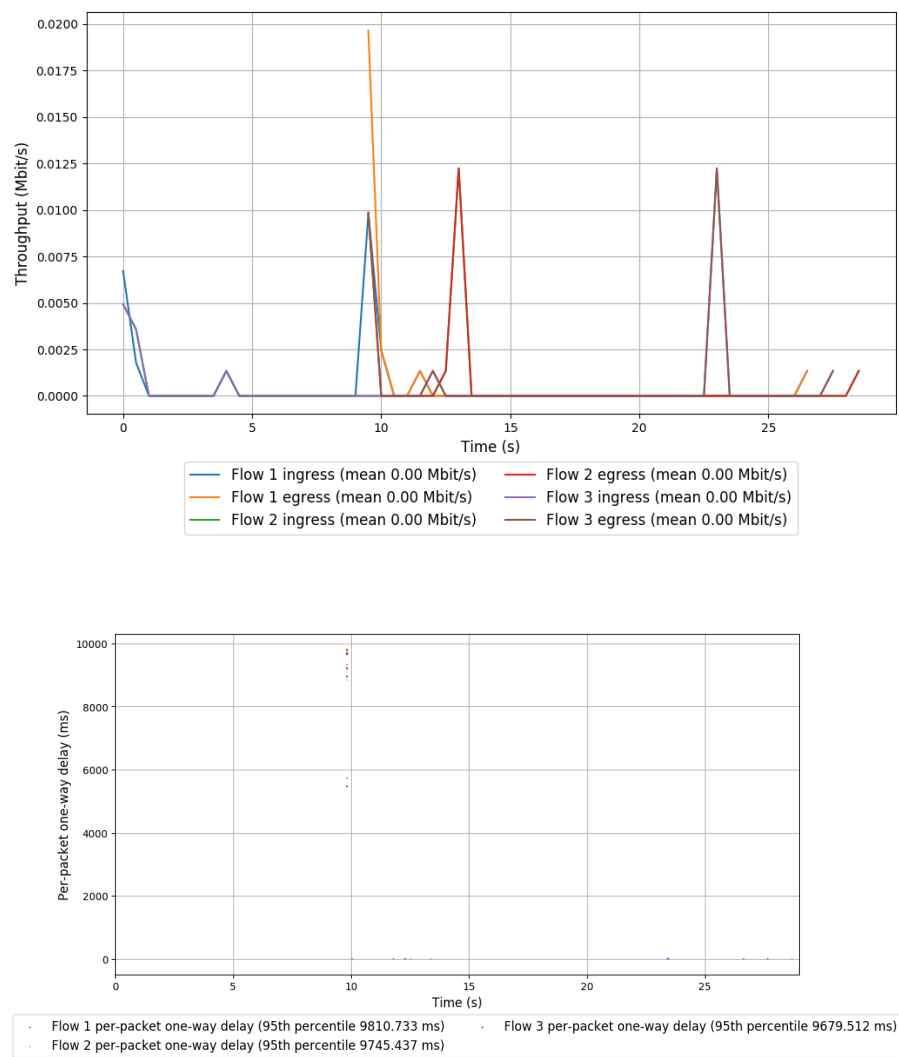
Start at: Tue, 04 Jul 2017 20:34:10 +0000

End at: Tue, 04 Jul 2017 20:34:40 +0000

Local clock offset: 0.878 ms

Remote clock offset: -15.796 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:53:11 +0000

End at: Tue, 04 Jul 2017 20:53:41 +0000

Local clock offset: -0.178 ms

Remote clock offset: -16.448 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8.748 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.469 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8.748 ms

Loss rate: 0.00%

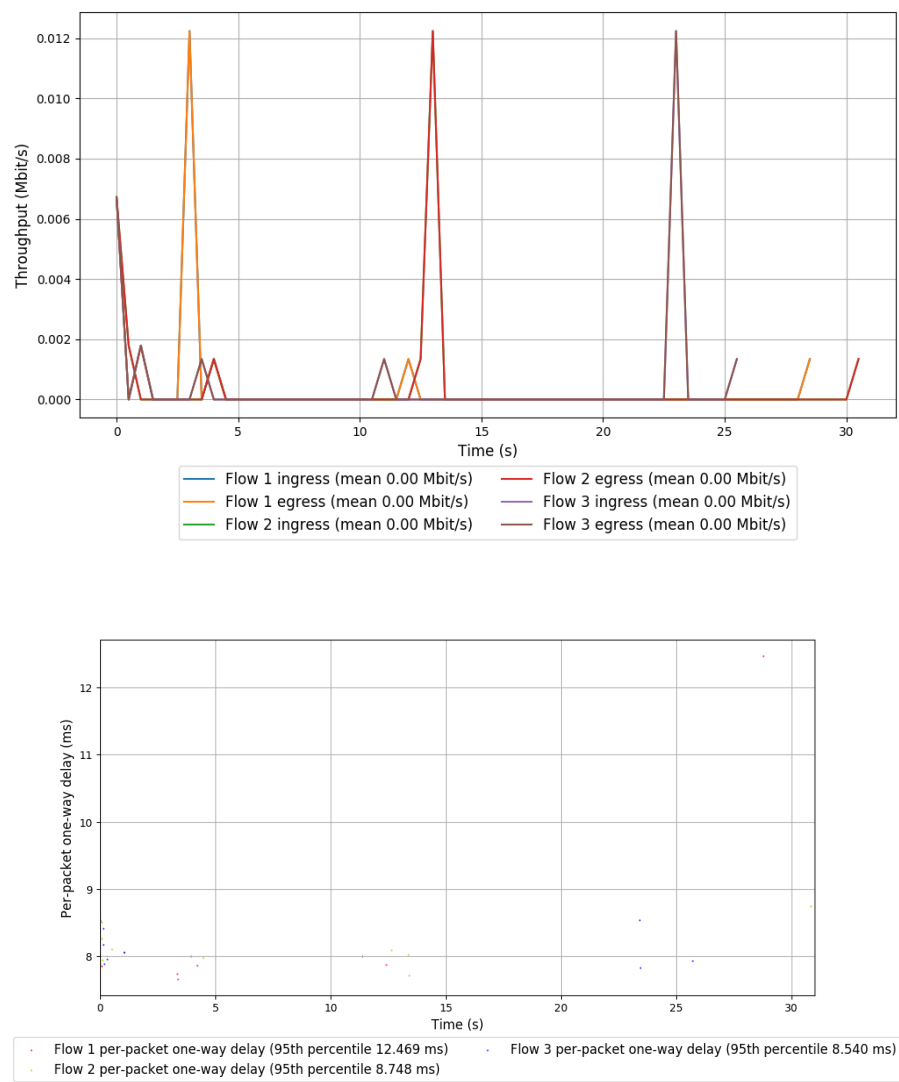
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8.540 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:11:41 +0000

End at: Tue, 04 Jul 2017 21:12:11 +0000

Local clock offset: -2.326 ms

Remote clock offset: -16.263 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.055 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.671 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 9.008 ms

Loss rate: 0.00%

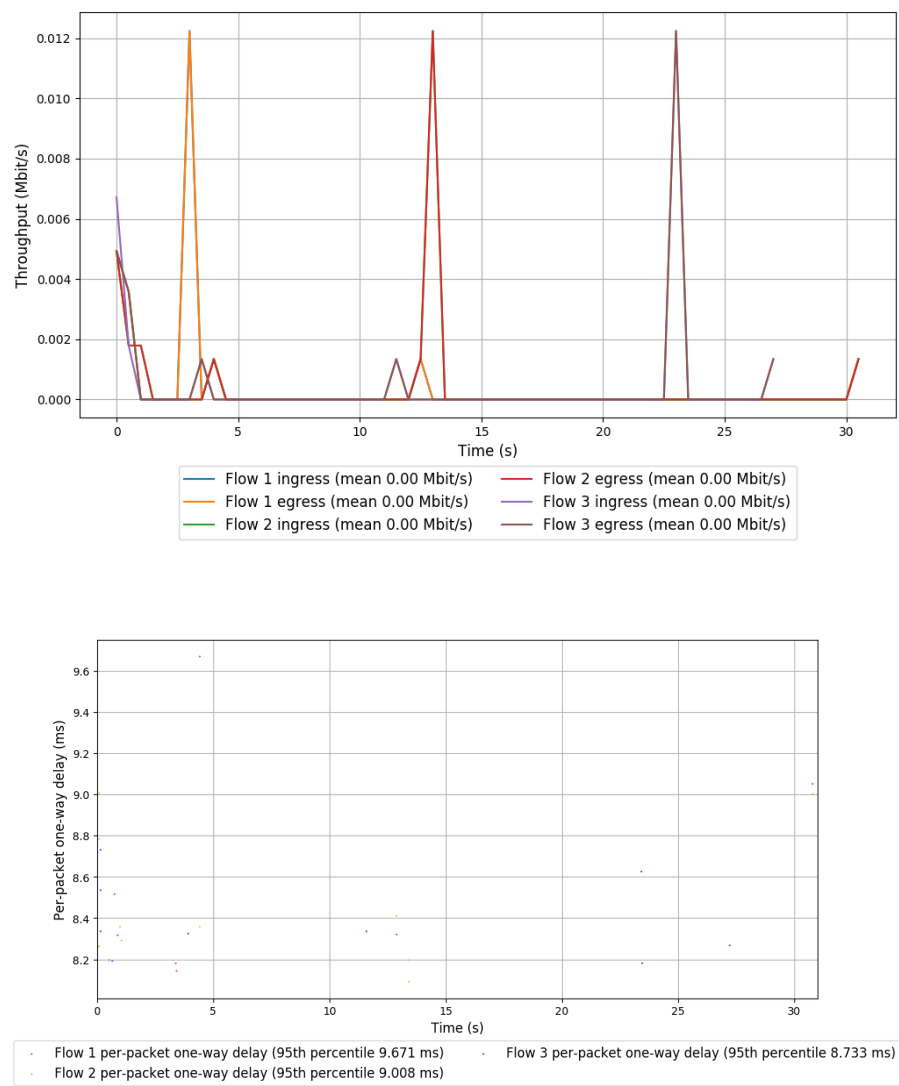
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8.733 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:30:13 +0000

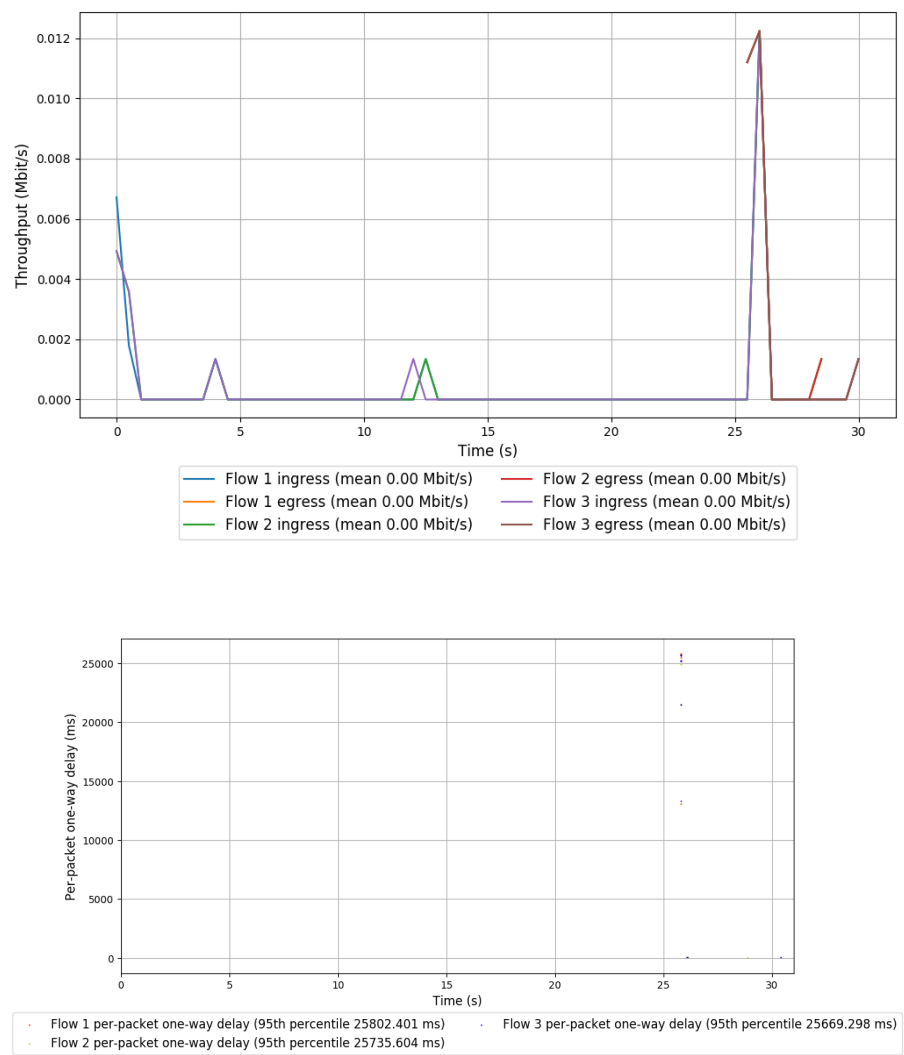
End at: Tue, 04 Jul 2017 21:30:43 +0000

Local clock offset: 1.468 ms

Remote clock offset: -15.46 ms



Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Tue, 04 Jul 2017 18:47:10 +0000

End at: Tue, 04 Jul 2017 18:47:41 +0000

Local clock offset: 1.318 ms

Remote clock offset: -17.088 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.84 Mbit/s

95th percentile per-packet one-way delay: 28.996 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 28.987 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 28.99 Mbit/s

95th percentile per-packet one-way delay: 29.004 ms

Loss rate: 0.59%

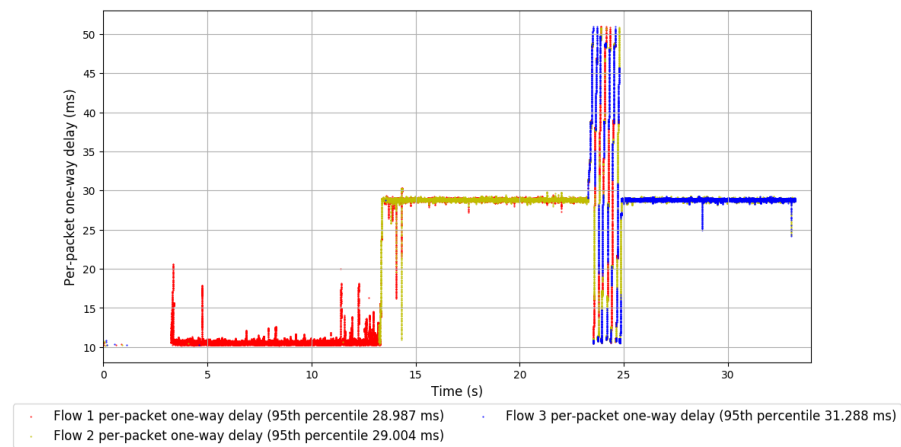
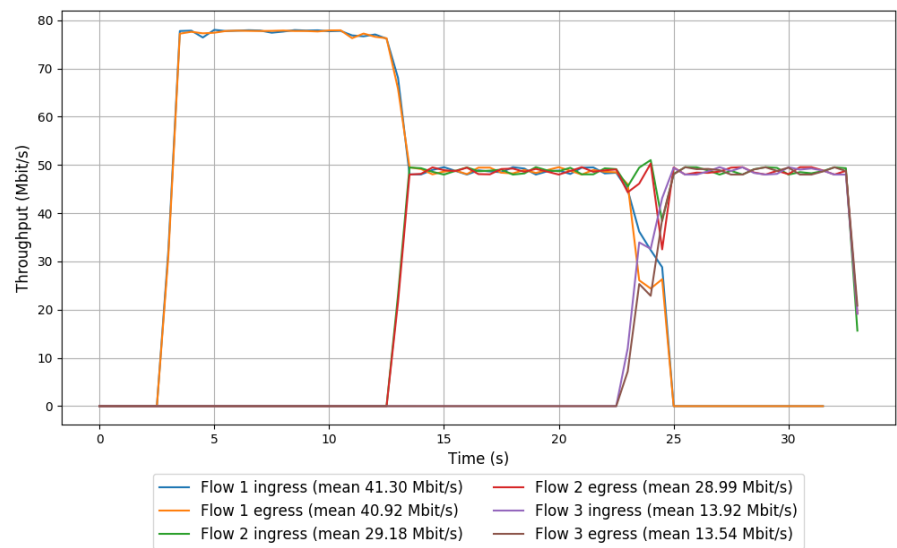
-- Flow 3:

Average throughput: 13.54 Mbit/s

95th percentile per-packet one-way delay: 31.288 ms

Loss rate: 2.65%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:05:28 +0000

End at: Tue, 04 Jul 2017 19:05:58 +0000

Local clock offset: 0.039 ms

Remote clock offset: -15.079 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.92 Mbit/s

95th percentile per-packet one-way delay: 28.004 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 52.04 Mbit/s

95th percentile per-packet one-way delay: 27.985 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 28.51 Mbit/s

95th percentile per-packet one-way delay: 28.015 ms

Loss rate: 1.48%

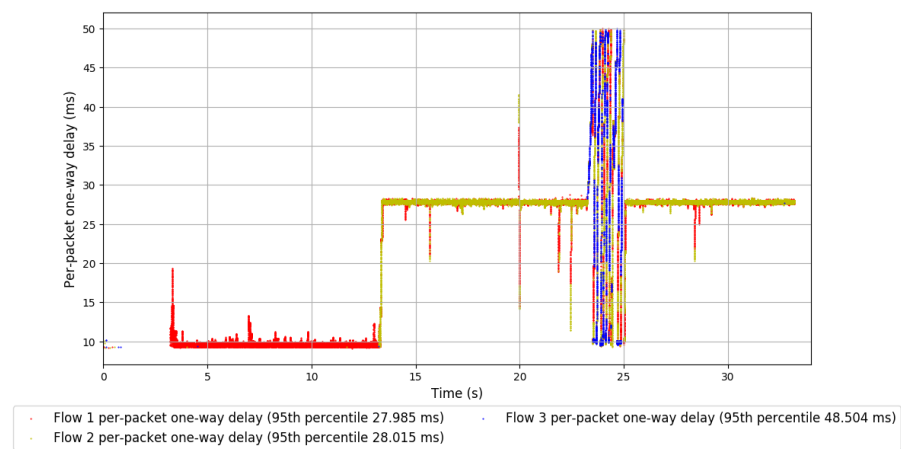
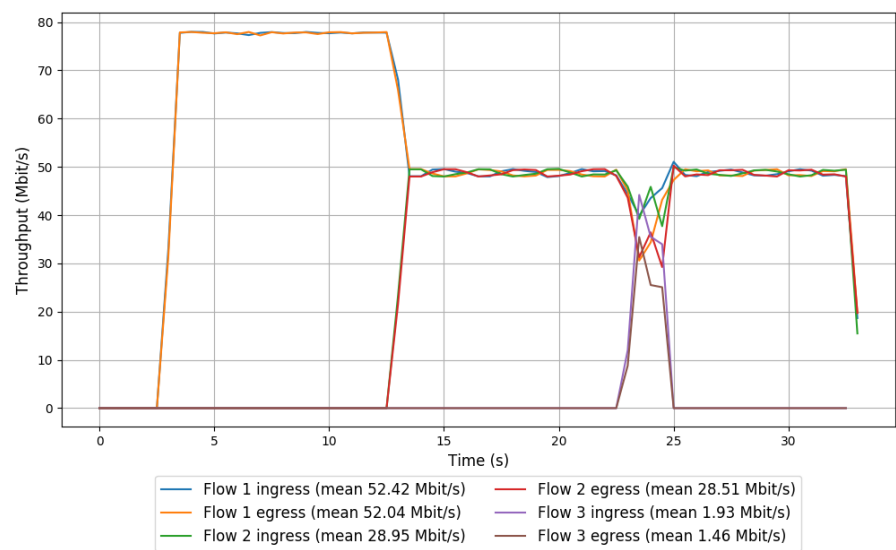
-- Flow 3:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 48.504 ms

Loss rate: 24.54%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:23:46 +0000

End at: Tue, 04 Jul 2017 19:24:16 +0000

Local clock offset: -1.055 ms

Remote clock offset: -16.053 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.97 Mbit/s

95th percentile per-packet one-way delay: 27.377 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 52.33 Mbit/s

95th percentile per-packet one-way delay: 27.370 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 29.13 Mbit/s

95th percentile per-packet one-way delay: 27.384 ms

Loss rate: 0.44%

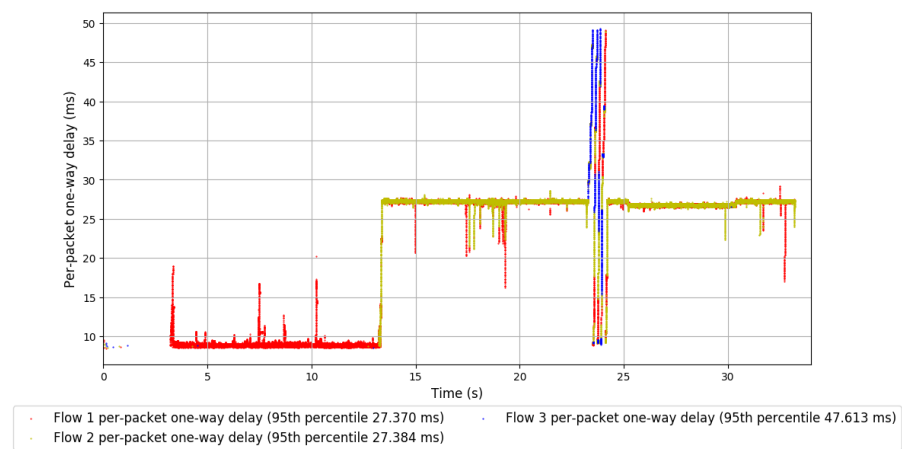
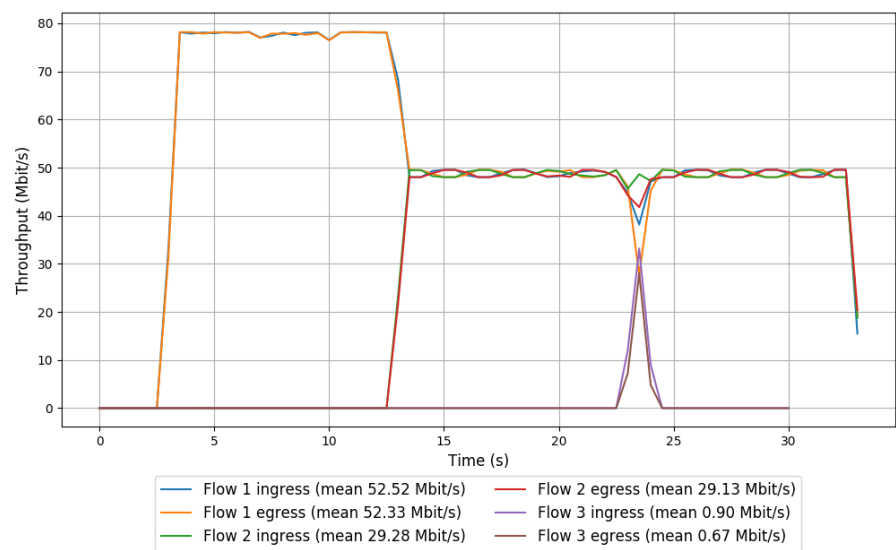
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 47.613 ms

Loss rate: 26.00%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:42:00 +0000

End at: Tue, 04 Jul 2017 19:42:30 +0000

Local clock offset: -0.782 ms

Remote clock offset: -14.707 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.79 Mbit/s

95th percentile per-packet one-way delay: 26.600 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 26.593 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 28.82 Mbit/s

95th percentile per-packet one-way delay: 26.604 ms

Loss rate: 0.72%

-- Flow 3:

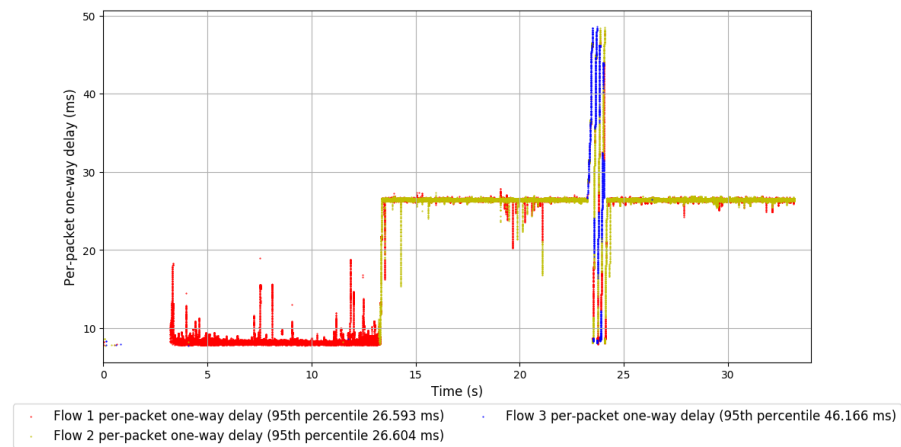
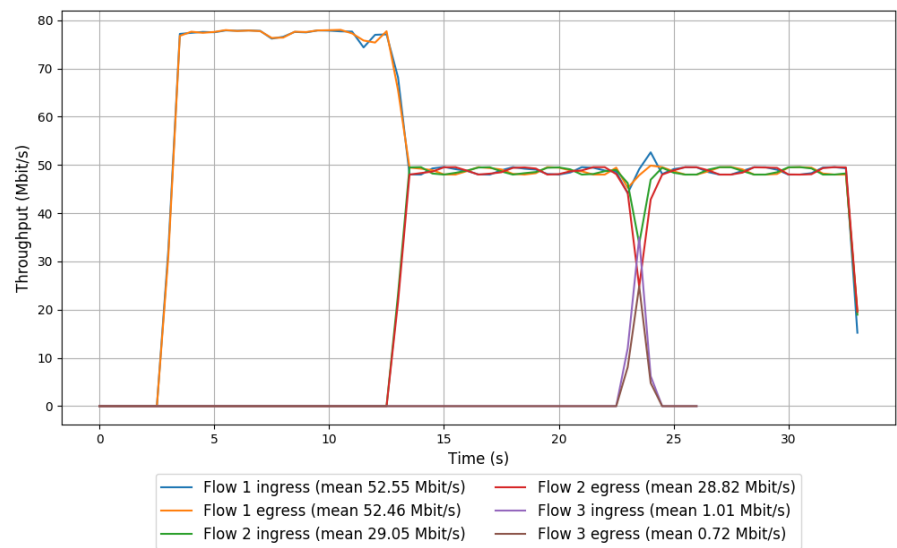
Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 46.166 ms

Loss rate: 28.93%



Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:00:51 +0000

End at: Tue, 04 Jul 2017 20:01:21 +0000

Local clock offset: -0.398 ms

Remote clock offset: -14.388 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.90 Mbit/s

95th percentile per-packet one-way delay: 26.258 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 52.39 Mbit/s

95th percentile per-packet one-way delay: 26.250 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 29.05 Mbit/s

95th percentile per-packet one-way delay: 26.263 ms

Loss rate: 0.55%

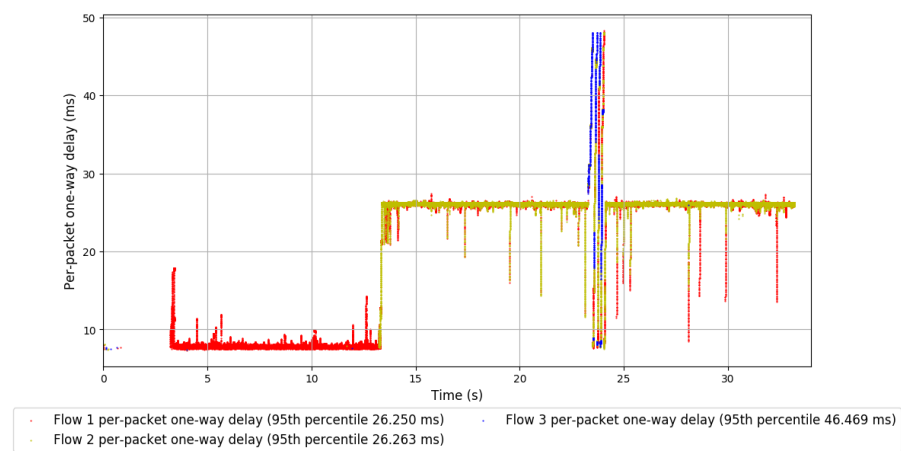
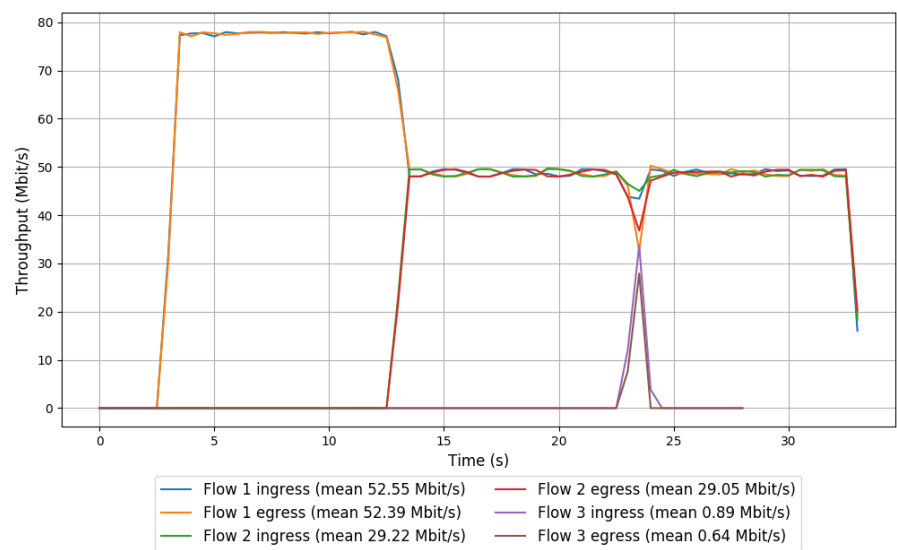
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 46.469 ms

Loss rate: 28.25%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:19:58 +0000

End at: Tue, 04 Jul 2017 20:20:28 +0000

Local clock offset: 0.32 ms

Remote clock offset: -14.659 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:42:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 25.859 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 52.16 Mbit/s

95th percentile per-packet one-way delay: 25.854 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 28.90 Mbit/s

95th percentile per-packet one-way delay: 25.860 ms

Loss rate: 0.73%

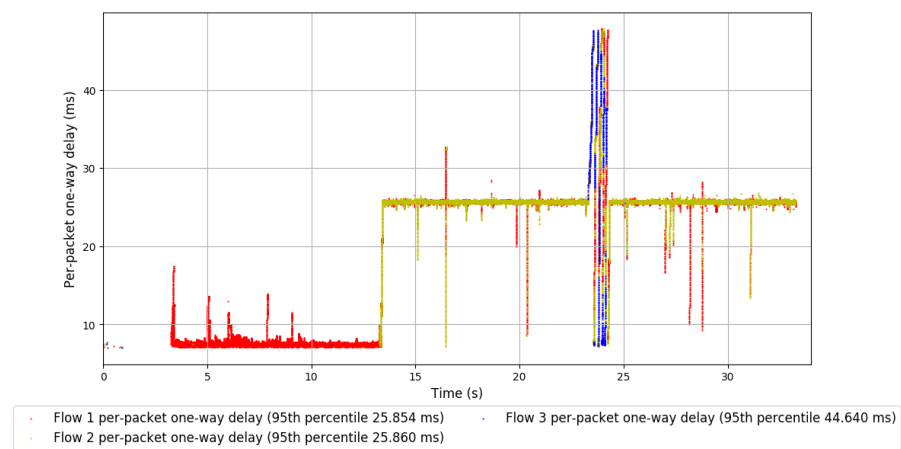
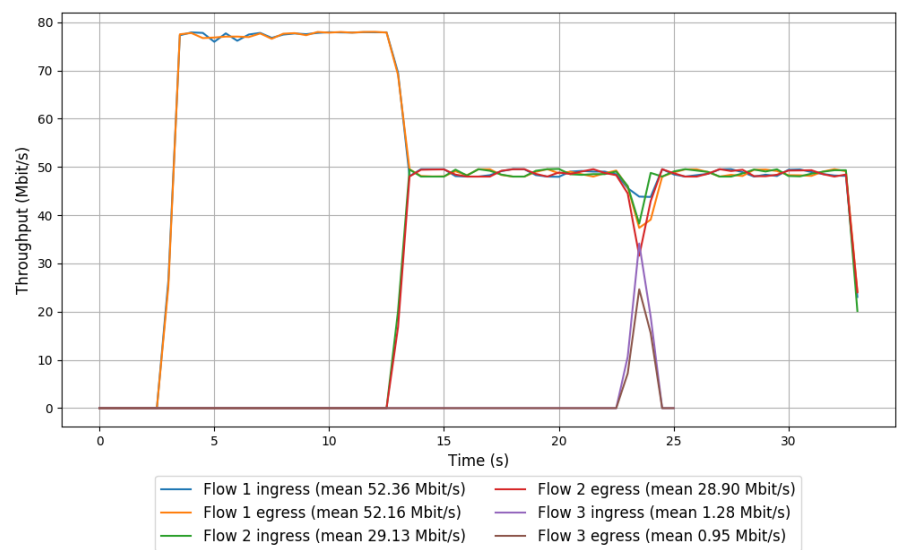
-- Flow 3:

Average throughput: 0.95 Mbit/s

95th percentile per-packet one-way delay: 44.640 ms

Loss rate: 25.66%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:38:56 +0000

End at: Tue, 04 Jul 2017 20:39:26 +0000

Local clock offset: -0.144 ms

Remote clock offset: -16.178 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.79 Mbit/s

95th percentile per-packet one-way delay: 26.367 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 47.26 Mbit/s

95th percentile per-packet one-way delay: 26.155 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 28.60 Mbit/s

95th percentile per-packet one-way delay: 28.574 ms

Loss rate: 1.29%

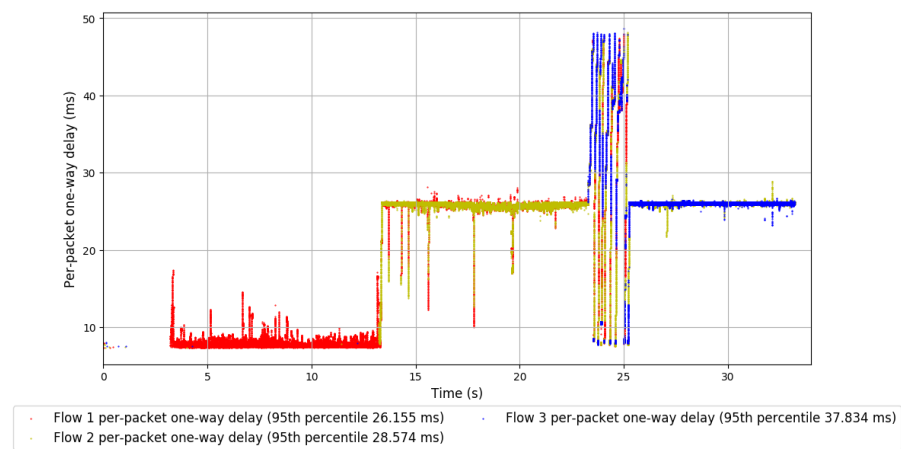
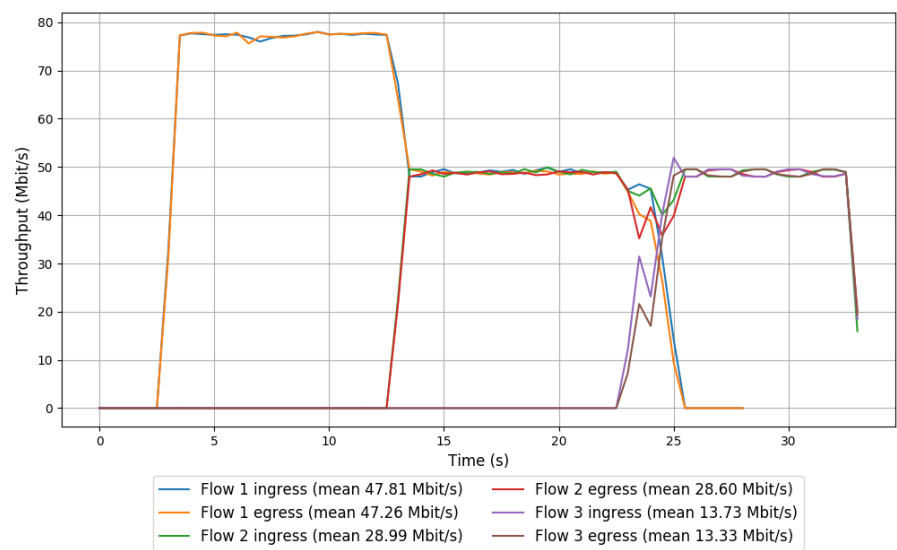
-- Flow 3:

Average throughput: 13.33 Mbit/s

95th percentile per-packet one-way delay: 37.834 ms

Loss rate: 2.88%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:58:06 +0000

End at: Tue, 04 Jul 2017 20:58:36 +0000

Local clock offset: -1.454 ms

Remote clock offset: -16.348 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.67 Mbit/s

95th percentile per-packet one-way delay: 26.984 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 52.41 Mbit/s

95th percentile per-packet one-way delay: 26.978 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 28.89 Mbit/s

95th percentile per-packet one-way delay: 26.987 ms

Loss rate: 0.53%

-- Flow 3:

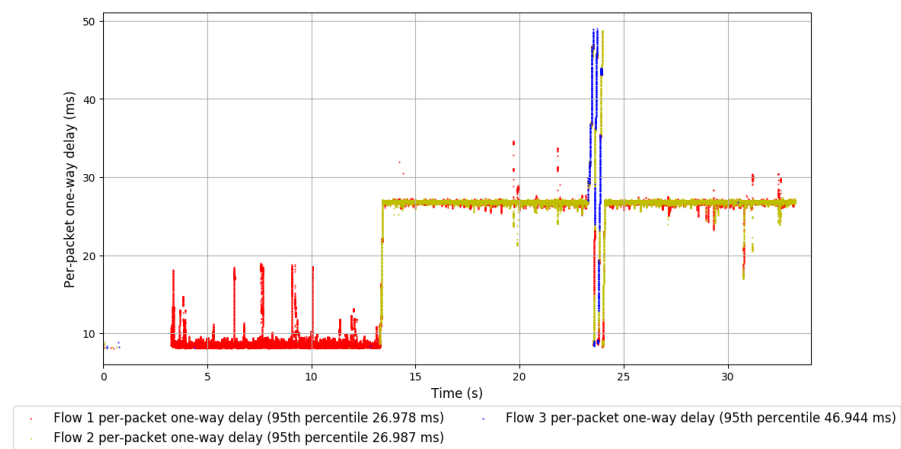
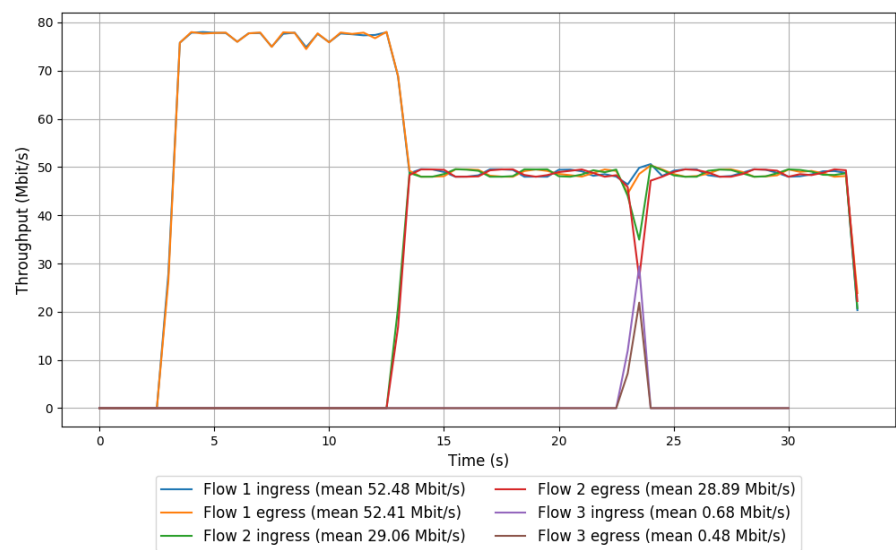
Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 46.944 ms

Loss rate: 29.61%



Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:16:38 +0000

End at: Tue, 04 Jul 2017 21:17:08 +0000

Local clock offset: 1.401 ms

Remote clock offset: -17.824 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.88 Mbit/s

95th percentile per-packet one-way delay: 27.458 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 52.29 Mbit/s

95th percentile per-packet one-way delay: 27.450 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 29.21 Mbit/s

95th percentile per-packet one-way delay: 27.466 ms

Loss rate: 0.25%

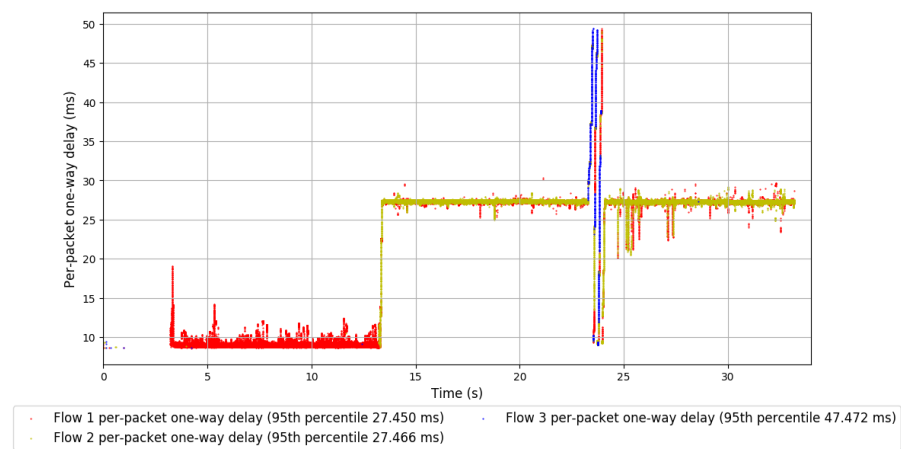
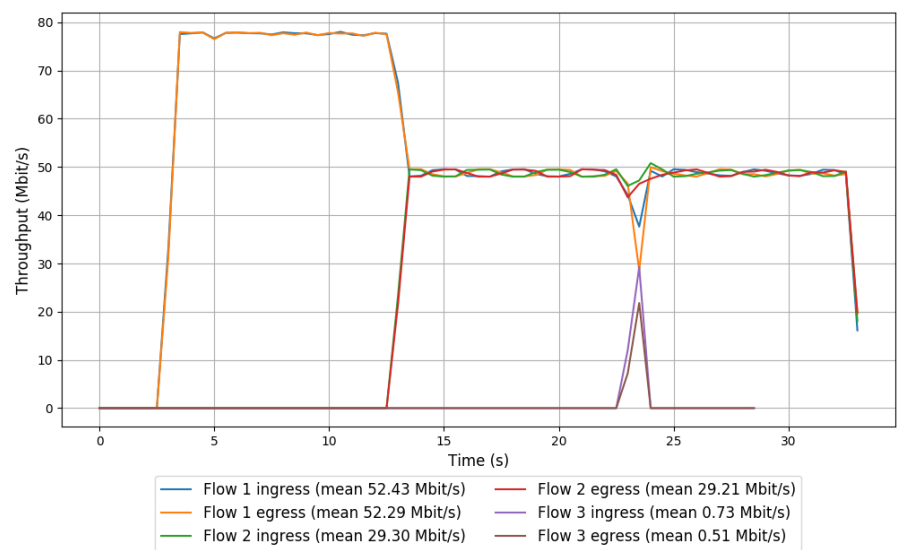
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 47.472 ms

Loss rate: 29.72%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:35:19 +0000

End at: Tue, 04 Jul 2017 21:35:49 +0000

Local clock offset: -2.402 ms

Remote clock offset: -17.45 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.89 Mbit/s

95th percentile per-packet one-way delay: 26.732 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 52.64 Mbit/s

95th percentile per-packet one-way delay: 26.725 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 18.52 Mbit/s

95th percentile per-packet one-way delay: 26.746 ms

Loss rate: 0.83%

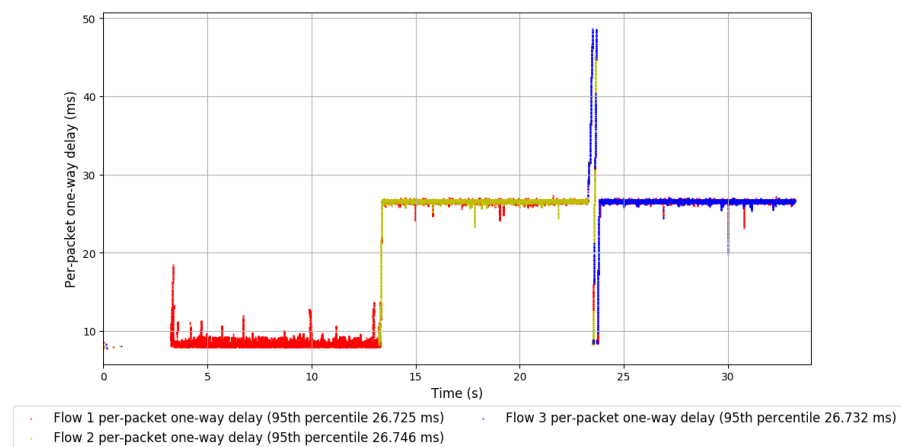
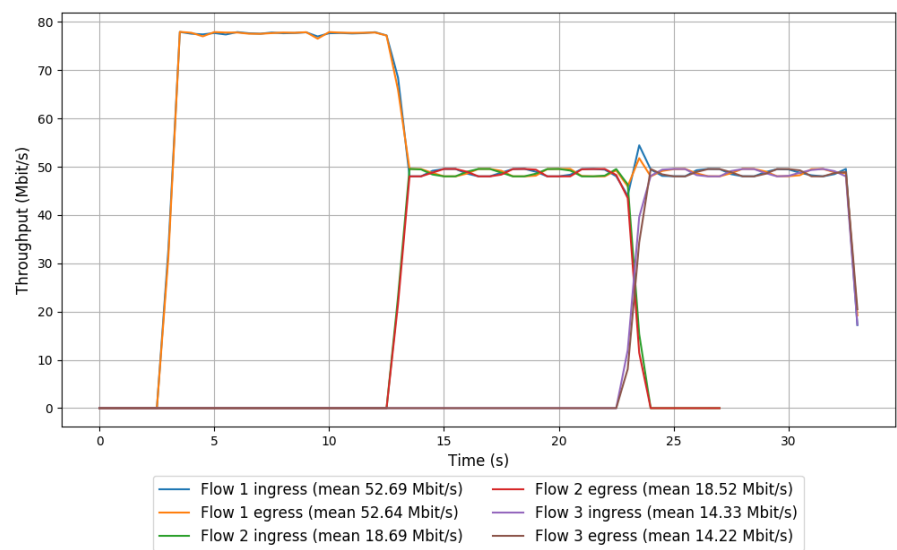
-- Flow 3:

Average throughput: 14.22 Mbit/s

95th percentile per-packet one-way delay: 26.732 ms

Loss rate: 0.76%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 18:53:11 +0000

End at: Tue, 04 Jul 2017 18:53:41 +0000

Local clock offset: 1.746 ms

Remote clock offset: -15.755 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 10.409 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 1185.927 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 10.390 ms

Loss rate: 0.00%

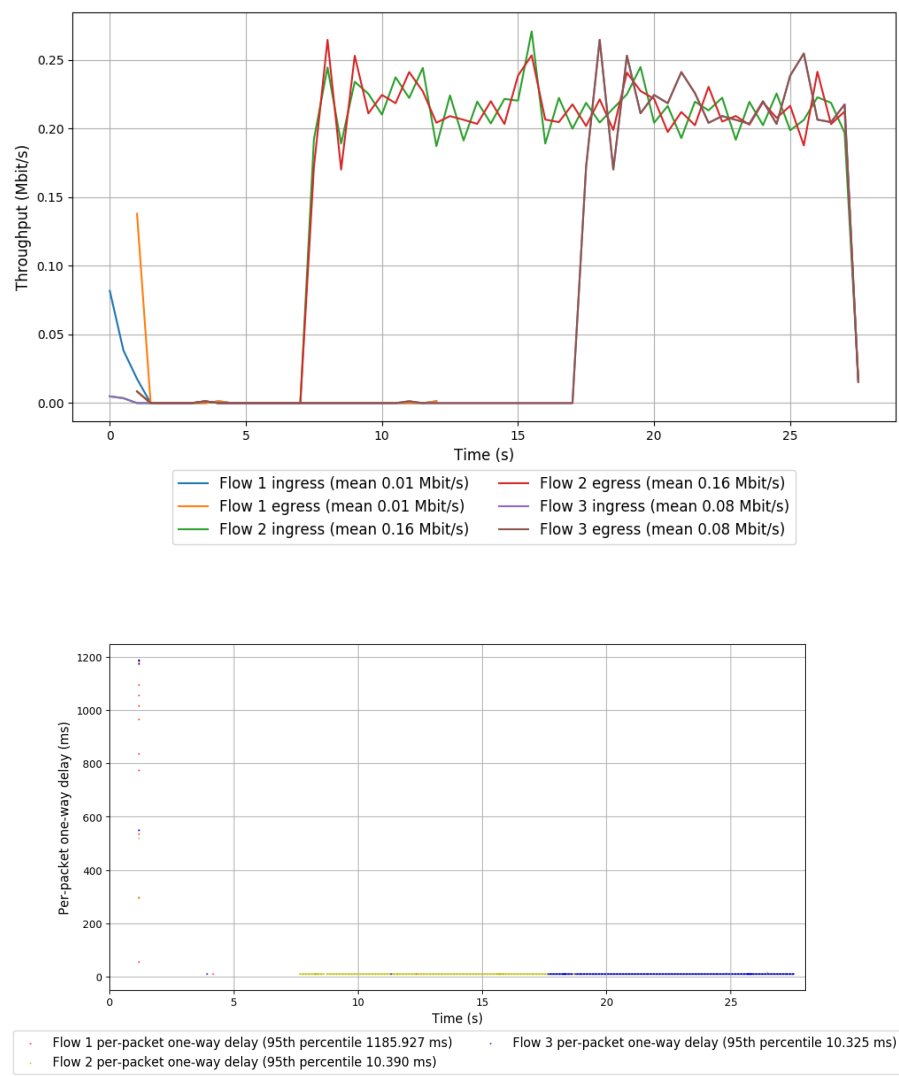
-- Flow 3:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 10.325 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:11:35 +0000

End at: Tue, 04 Jul 2017 19:12:05 +0000

Local clock offset: -0.913 ms

Remote clock offset: -17.121 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 9.851 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.822 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 9.827 ms

Loss rate: 0.00%

-- Flow 3:

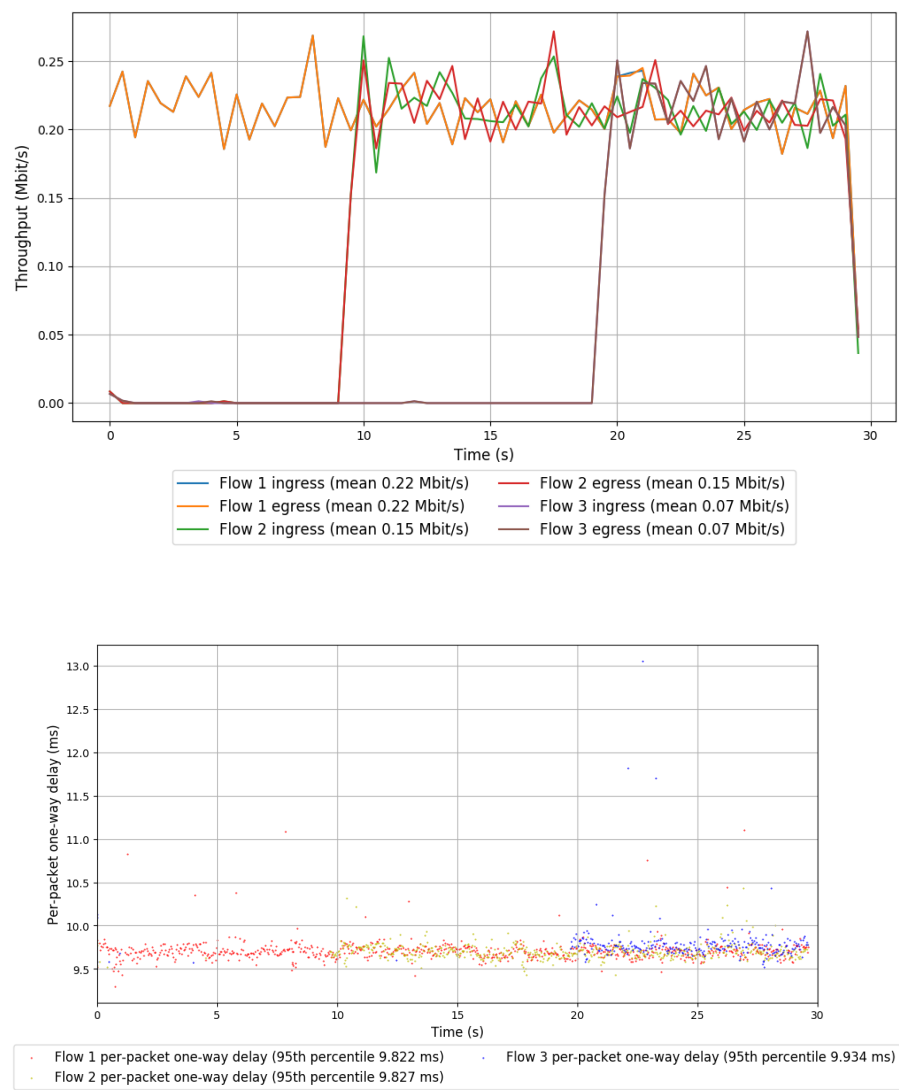
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 9.934 ms

Loss rate: 0.00%



Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:29:49 +0000

End at: Tue, 04 Jul 2017 19:30:19 +0000

Local clock offset: 2.369 ms

Remote clock offset: -15.918 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 8.786 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 4221.897 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 8.632 ms

Loss rate: 0.00%

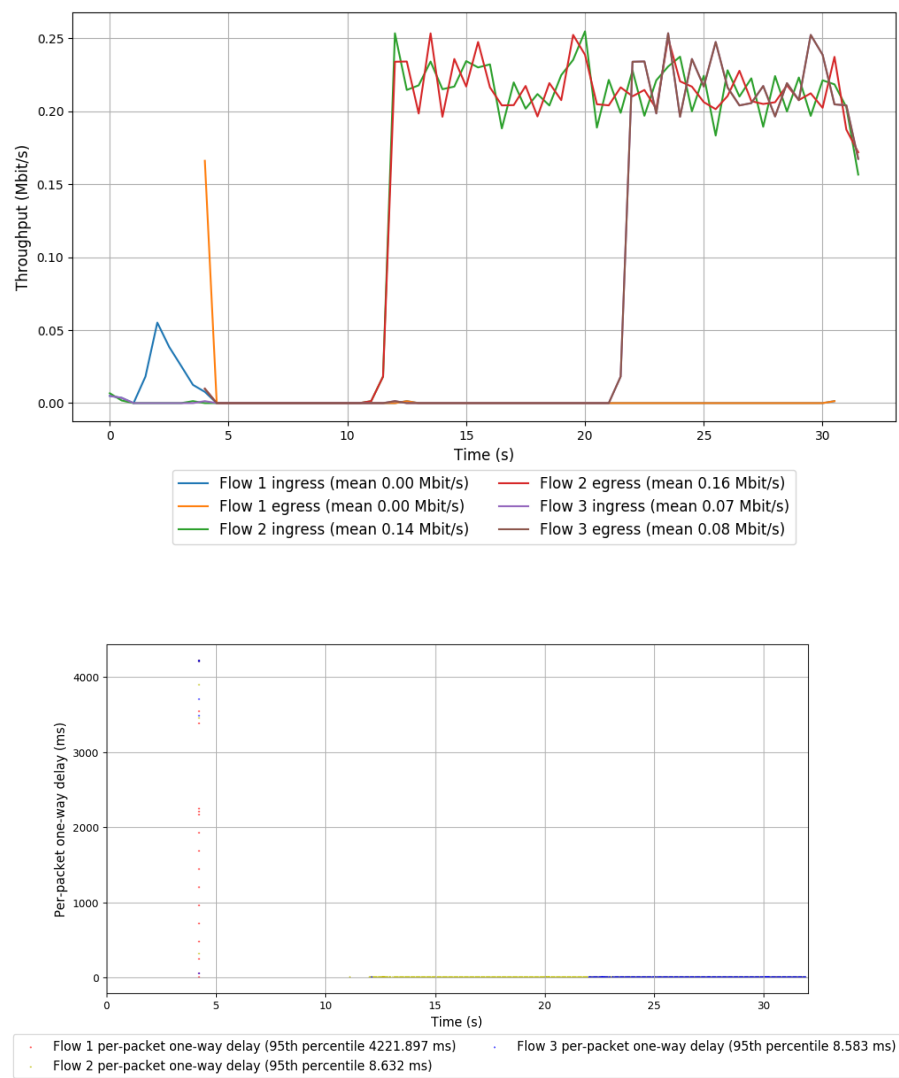
-- Flow 3:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 8.583 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:48:09 +0000

End at: Tue, 04 Jul 2017 19:48:39 +0000

Local clock offset: -2.005 ms

Remote clock offset: -15.213 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 7.922 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 7.934 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 7.859 ms

Loss rate: 0.00%

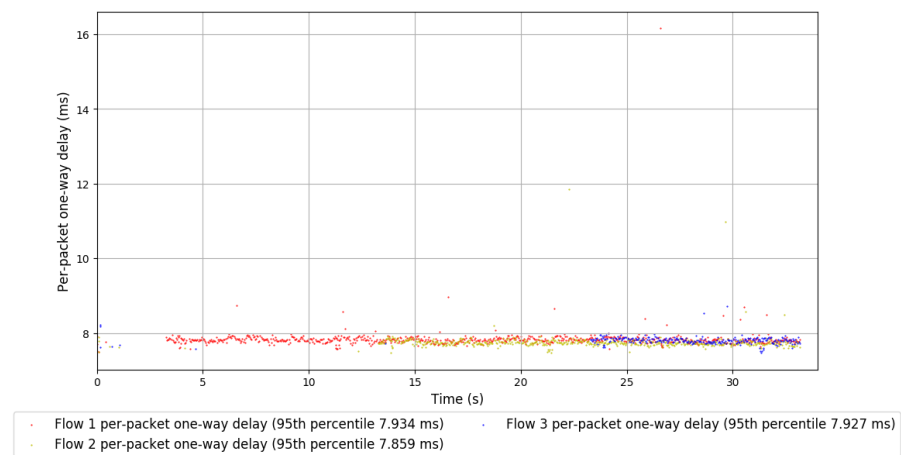
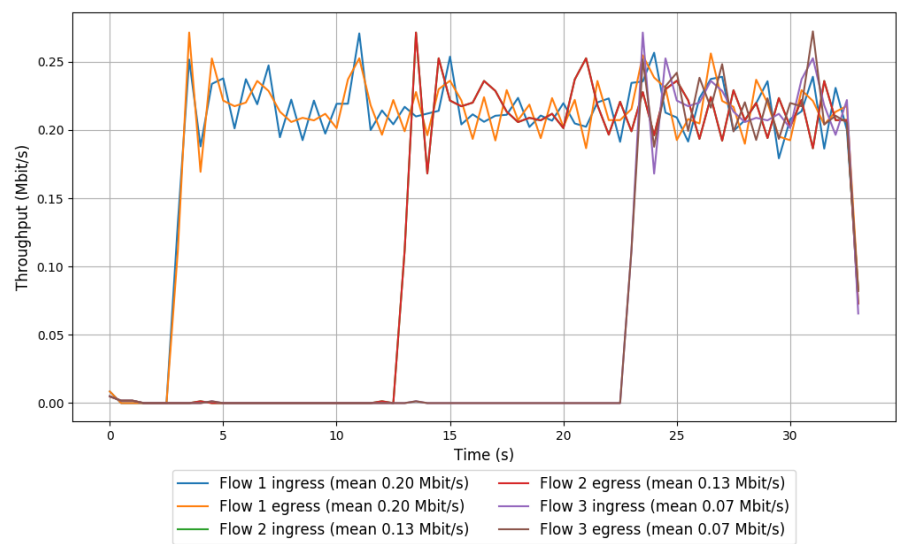
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 7.927 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:07:16 +0000

End at: Tue, 04 Jul 2017 20:07:46 +0000

Local clock offset: 1.356 ms

Remote clock offset: -15.763 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 8.064 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 8.296 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 7.710 ms

Loss rate: 0.00%

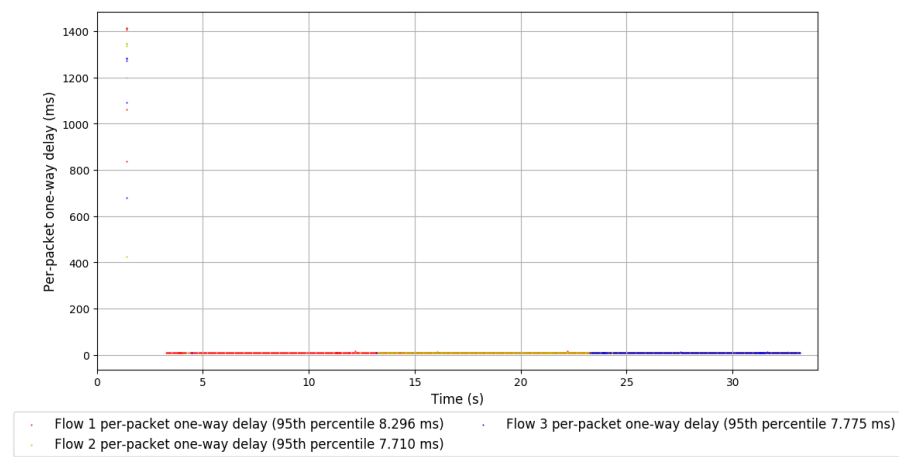
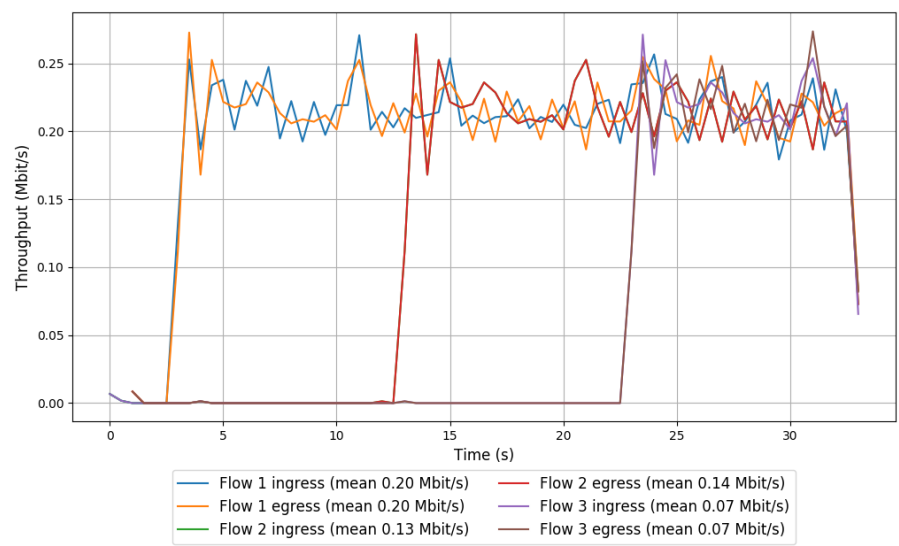
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 7.775 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:26:39 +0000

End at: Tue, 04 Jul 2017 20:27:09 +0000

Local clock offset: 1.135 ms

Remote clock offset: -14.412 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 7.208 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 7.212 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 7.167 ms

Loss rate: 0.00%

-- Flow 3:

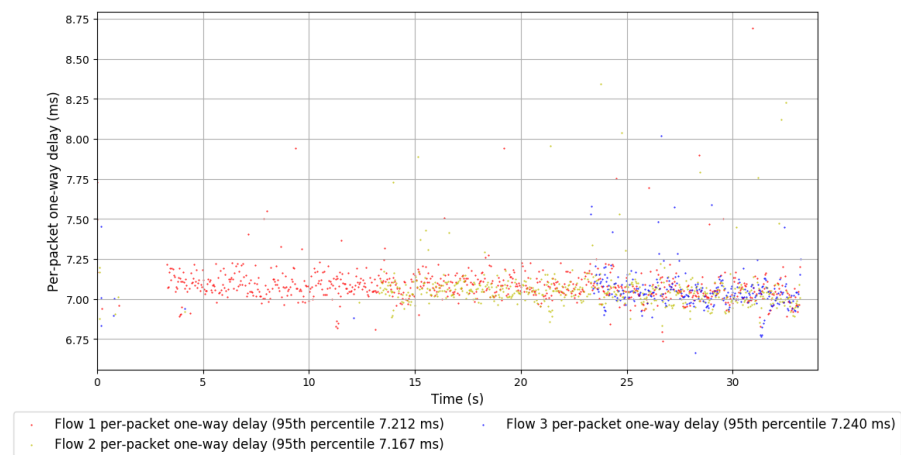
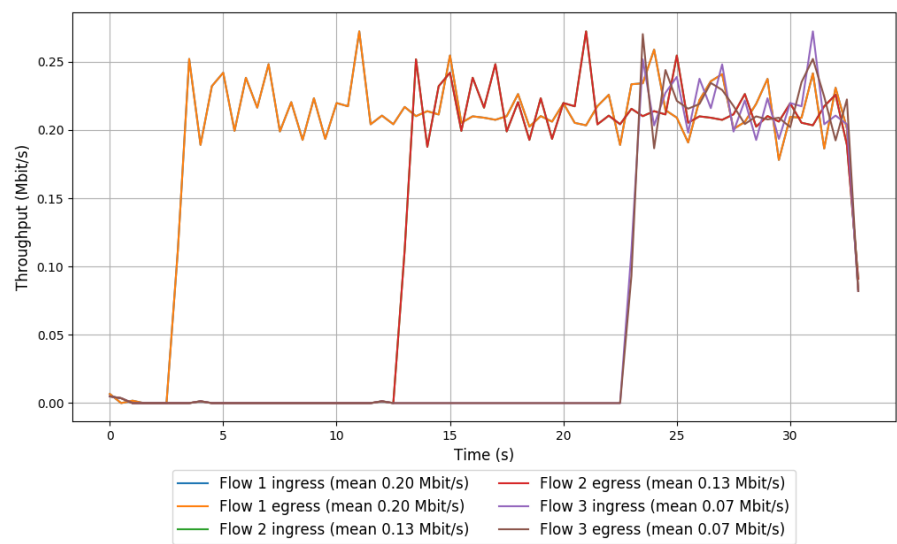
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 7.240 ms

Loss rate: 0.00%



Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:45:17 +0000

End at: Tue, 04 Jul 2017 20:45:47 +0000

Local clock offset: 0.875 ms

Remote clock offset: -15.718 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 7.991 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 8.005 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 7.922 ms

Loss rate: 0.00%

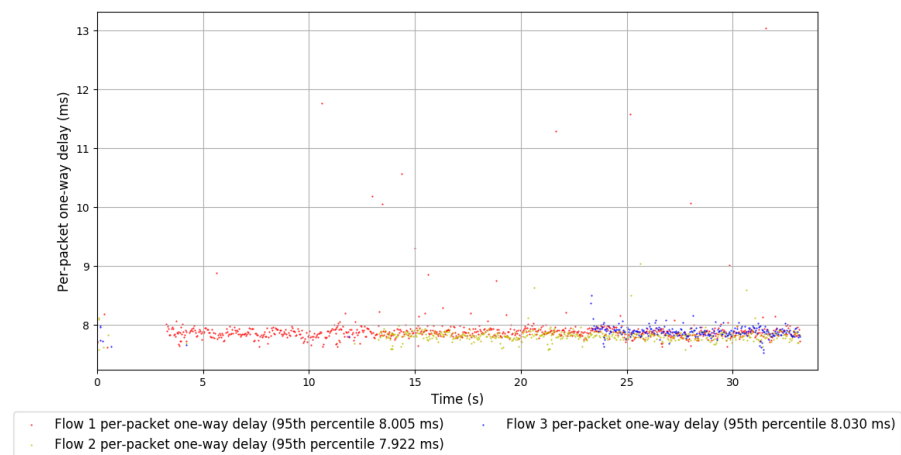
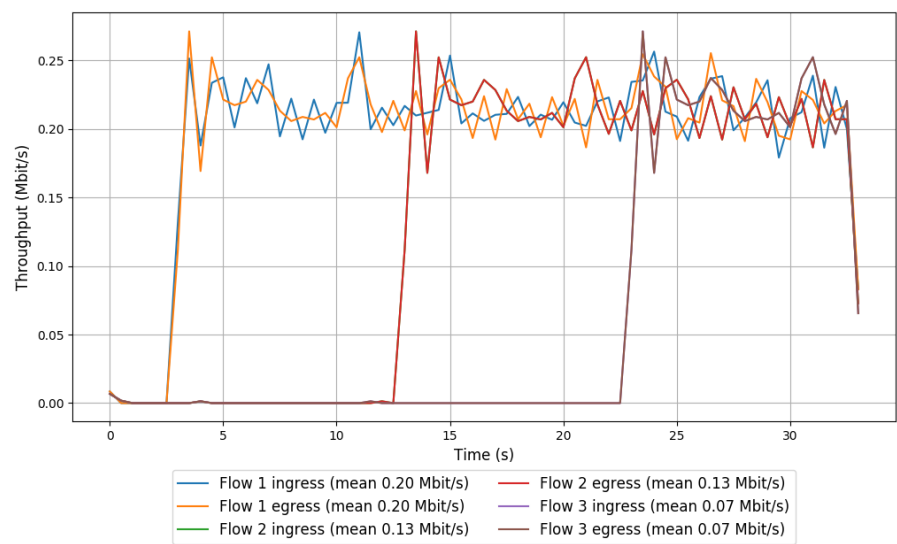
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 8.030 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 21:04:27 +0000

End at: Tue, 04 Jul 2017 21:04:57 +0000

Local clock offset: -1.712 ms

Remote clock offset: -17.532 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 8.205 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 8.255 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 8.192 ms

Loss rate: 0.00%

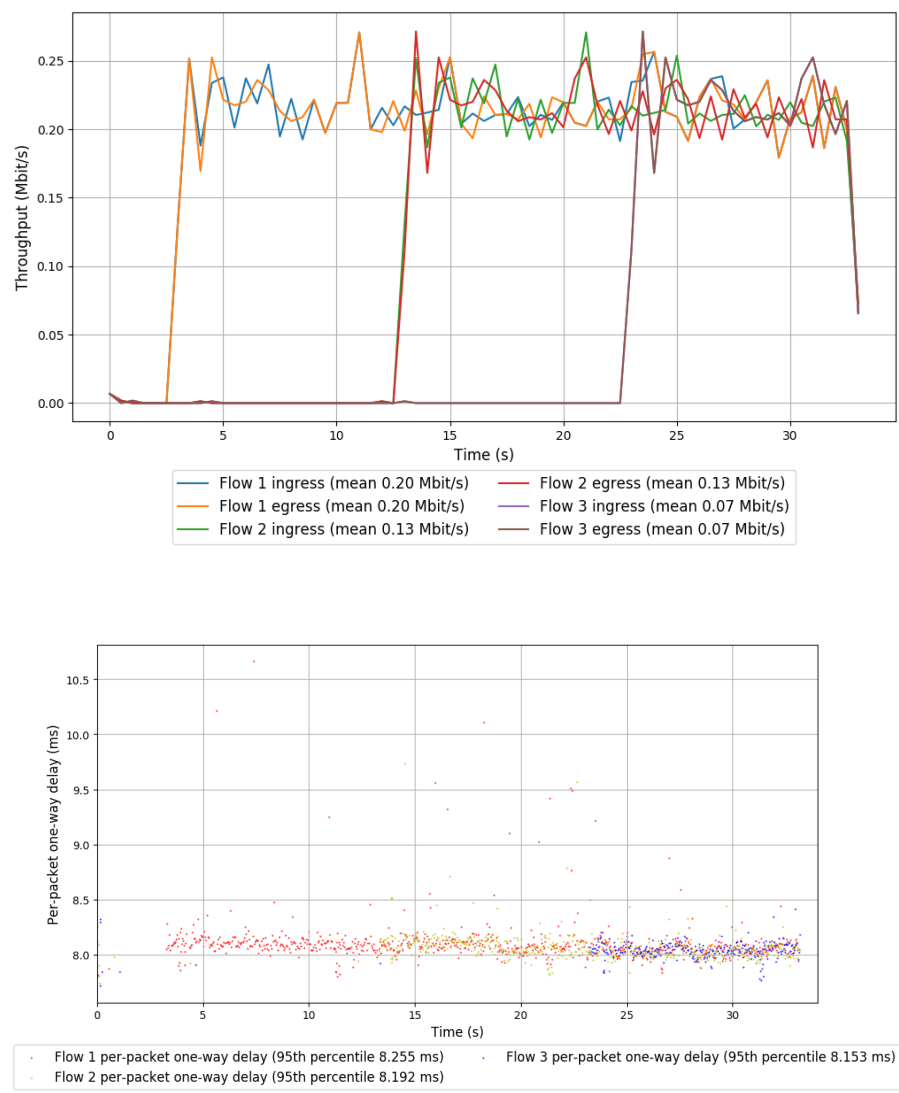
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 8.153 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 21:22:57 +0000

End at: Tue, 04 Jul 2017 21:23:27 +0000

Local clock offset: 0.211 ms

Remote clock offset: -17.823 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 8.728 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 8.738 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 8.712 ms

Loss rate: 0.00%

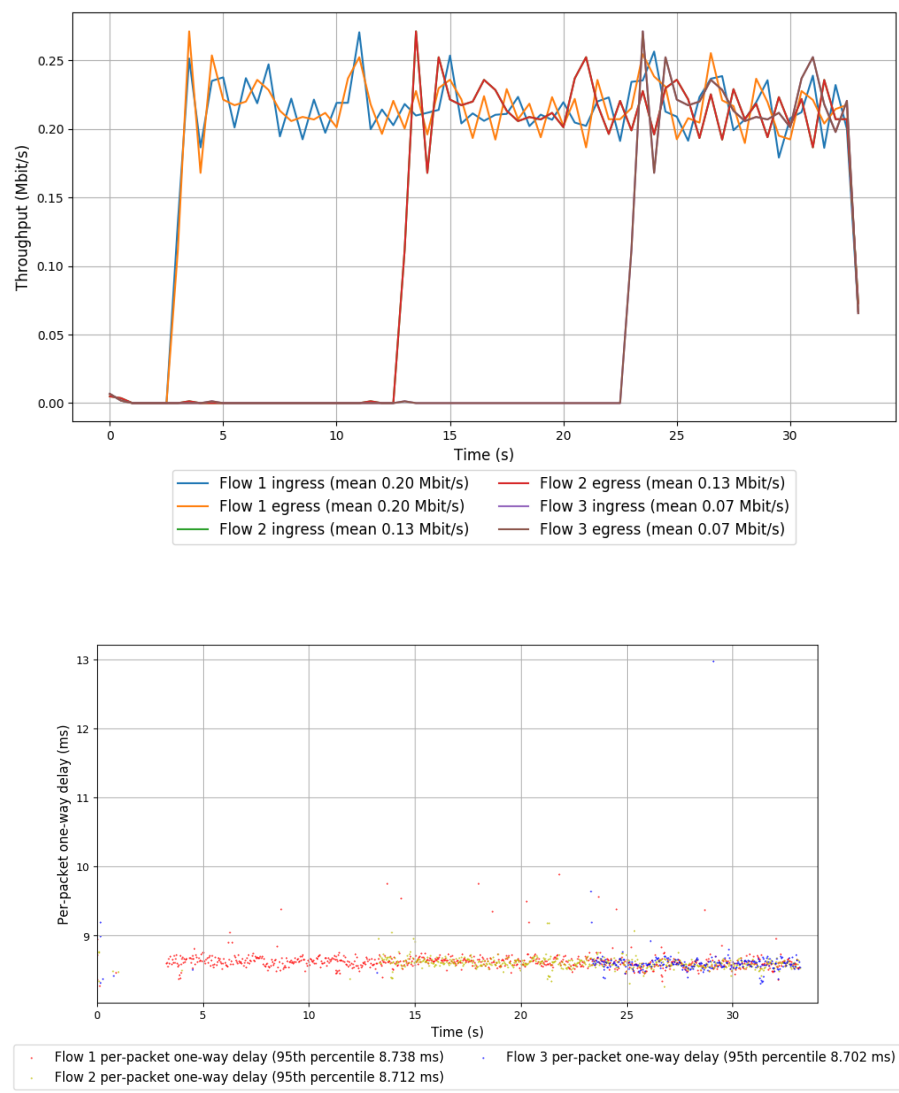
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 8.702 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Tue, 04 Jul 2017 21:41:34 +0000

End at: Tue, 04 Jul 2017 21:42:04 +0000

Local clock offset: -0.671 ms

Remote clock offset: -15.349 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 8.284 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 8.277 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 8.289 ms

Loss rate: 0.00%

-- Flow 3:

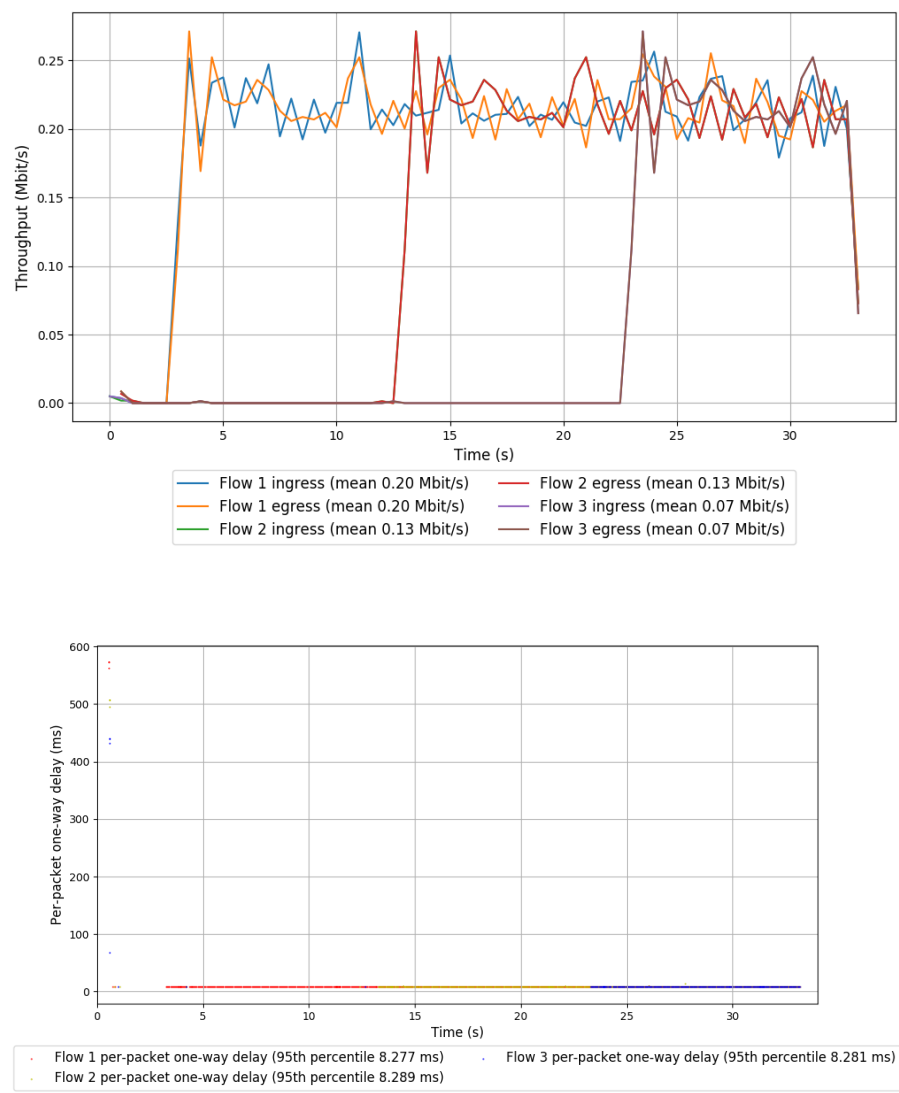
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 8.281 ms

Loss rate: 0.00%



Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Tue, 04 Jul 2017 18:54:16 +0000

End at: Tue, 04 Jul 2017 18:54:46 +0000

Local clock offset: 0.713 ms

Remote clock offset: -15.504 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 42.69 Mbit/s

95th percentile per-packet one-way delay: 17.572 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.55 Mbit/s

95th percentile per-packet one-way delay: 17.387 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.46 Mbit/s

95th percentile per-packet one-way delay: 16.817 ms

Loss rate: 0.00%

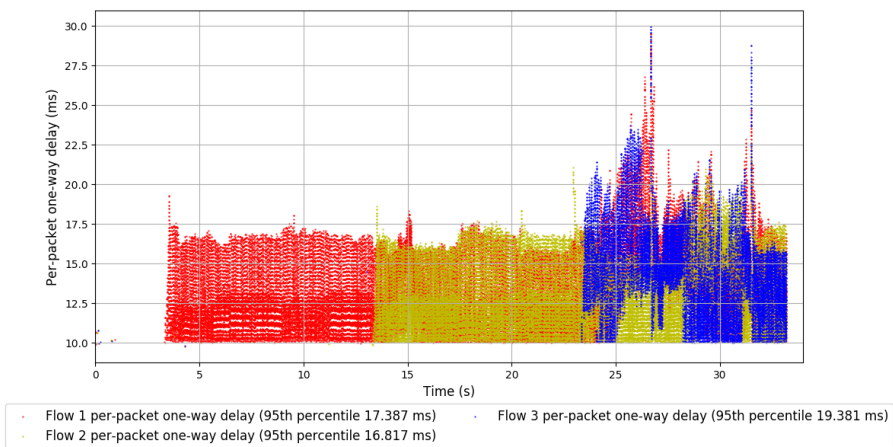
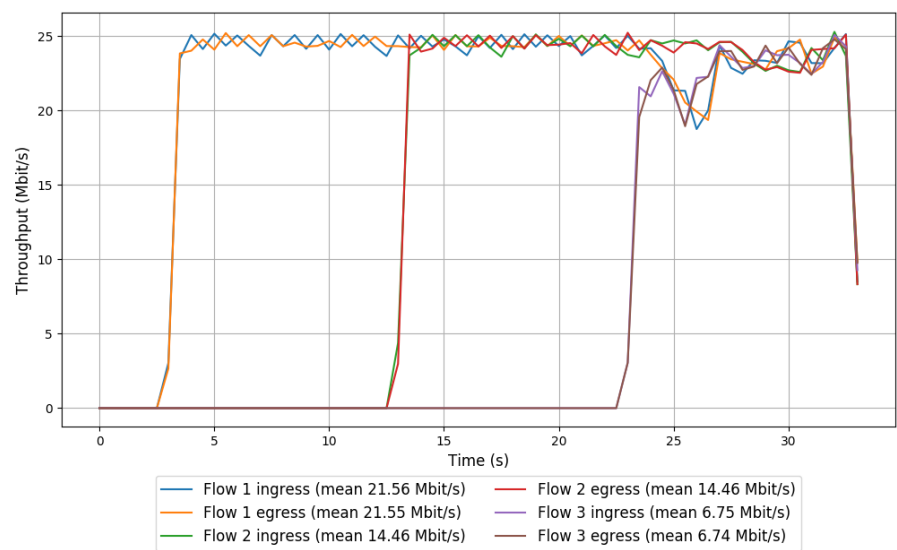
-- Flow 3:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 19.381 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:12:40 +0000

End at: Tue, 04 Jul 2017 19:13:10 +0000

Local clock offset: 2.605 ms

Remote clock offset: -15.601 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.45 Mbit/s

95th percentile per-packet one-way delay: 18.470 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.57 Mbit/s

95th percentile per-packet one-way delay: 16.370 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.83 Mbit/s

95th percentile per-packet one-way delay: 18.690 ms

Loss rate: 0.00%

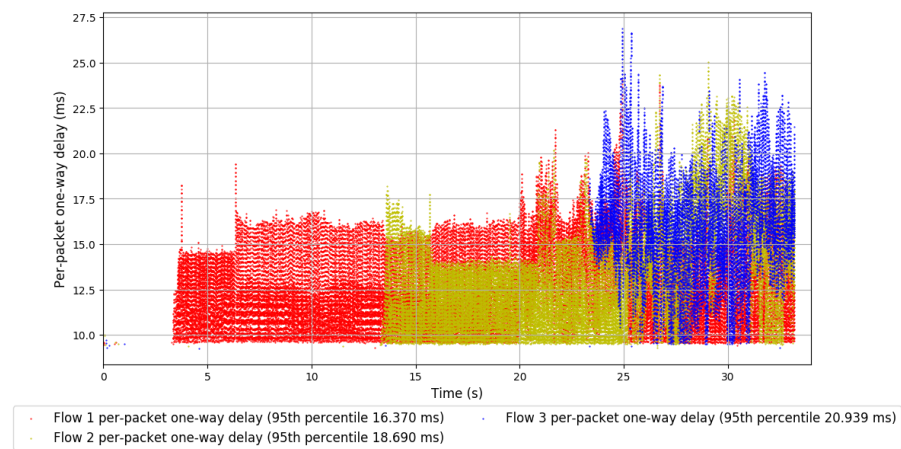
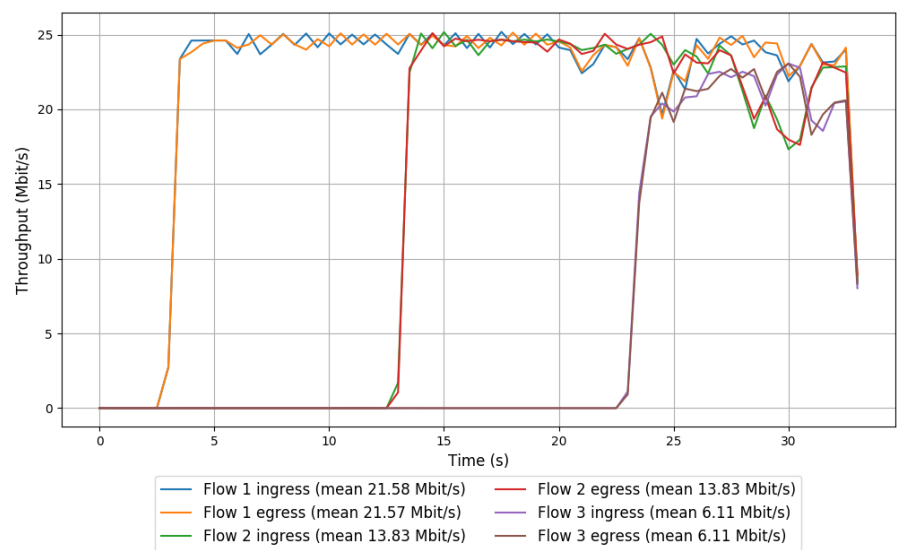
-- Flow 3:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 20.939 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:30:54 +0000

End at: Tue, 04 Jul 2017 19:31:24 +0000

Local clock offset: 2.27 ms

Remote clock offset: -16.336 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 42.99 Mbit/s

95th percentile per-packet one-way delay: 15.214 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.93 Mbit/s

95th percentile per-packet one-way delay: 14.087 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.24 Mbit/s

95th percentile per-packet one-way delay: 15.272 ms

Loss rate: 0.00%

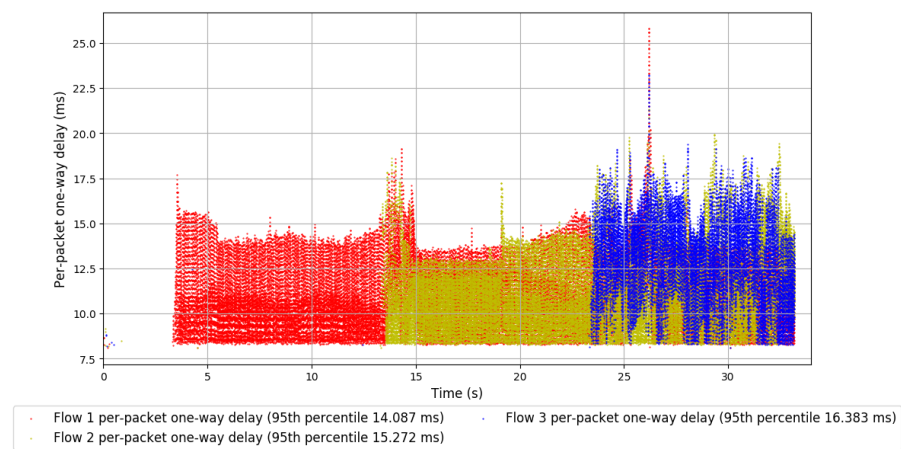
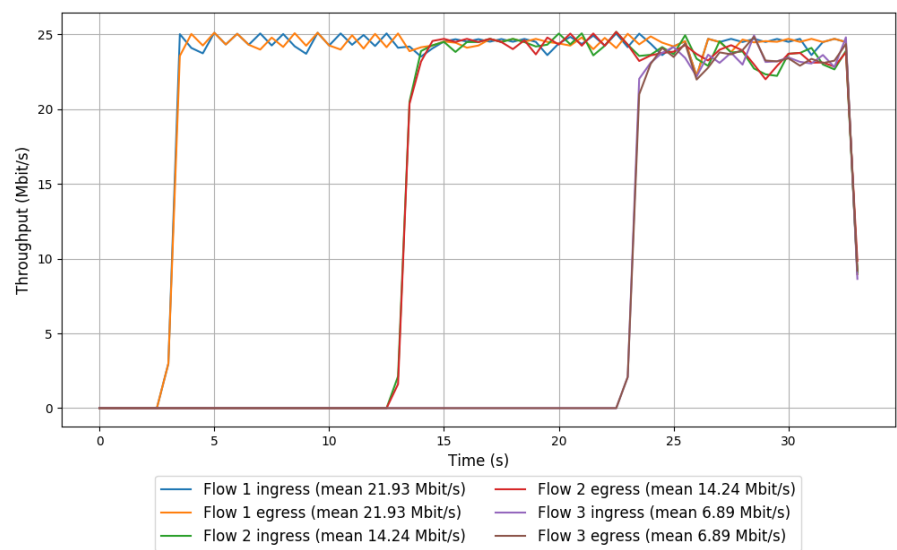
-- Flow 3:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 16.383 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:49:15 +0000

End at: Tue, 04 Jul 2017 19:49:45 +0000

Local clock offset: 2.922 ms

Remote clock offset: -15.674 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 42.07 Mbit/s

95th percentile per-packet one-way delay: 16.076 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.33 Mbit/s

95th percentile per-packet one-way delay: 16.075 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.83 Mbit/s

95th percentile per-packet one-way delay: 16.614 ms

Loss rate: 0.00%

-- Flow 3:

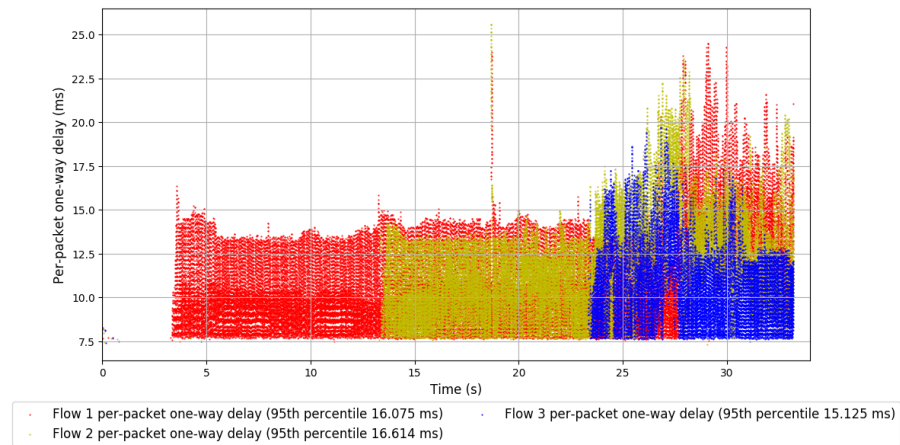
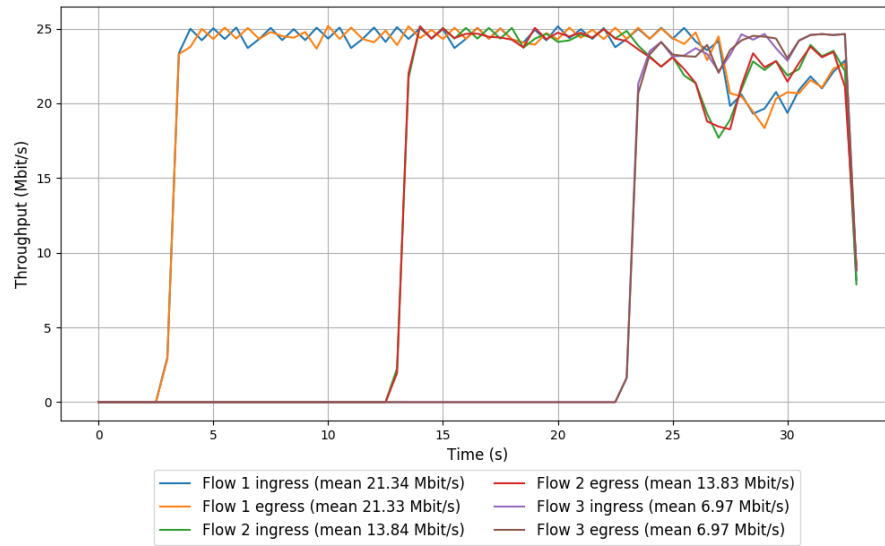
Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 15.125 ms

Loss rate: 0.00%



# Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:08:21 +0000

End at: Tue, 04 Jul 2017 20:08:51 +0000

Local clock offset: -2.103 ms

Remote clock offset: -15.453 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 42.60 Mbit/s

95th percentile per-packet one-way delay: 14.790 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.47 Mbit/s

95th percentile per-packet one-way delay: 14.524 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.36 Mbit/s

95th percentile per-packet one-way delay: 13.996 ms

Loss rate: 0.00%

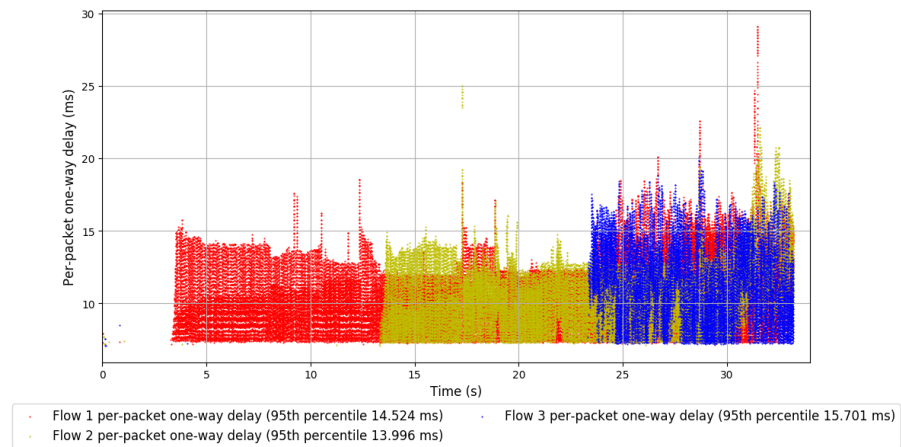
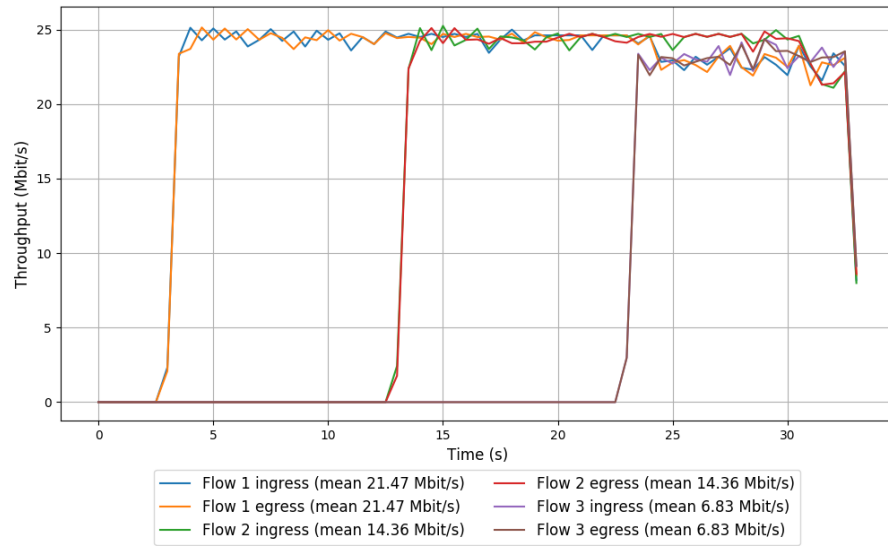
-- Flow 3:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 15.701 ms

Loss rate: 0.00%

## Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:27:44 +0000

End at: Tue, 04 Jul 2017 20:28:14 +0000

Local clock offset: 0.791 ms

Remote clock offset: -16.236 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.97 Mbit/s

95th percentile per-packet one-way delay: 15.100 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.44 Mbit/s

95th percentile per-packet one-way delay: 14.301 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.62 Mbit/s

95th percentile per-packet one-way delay: 16.120 ms

Loss rate: 0.00%

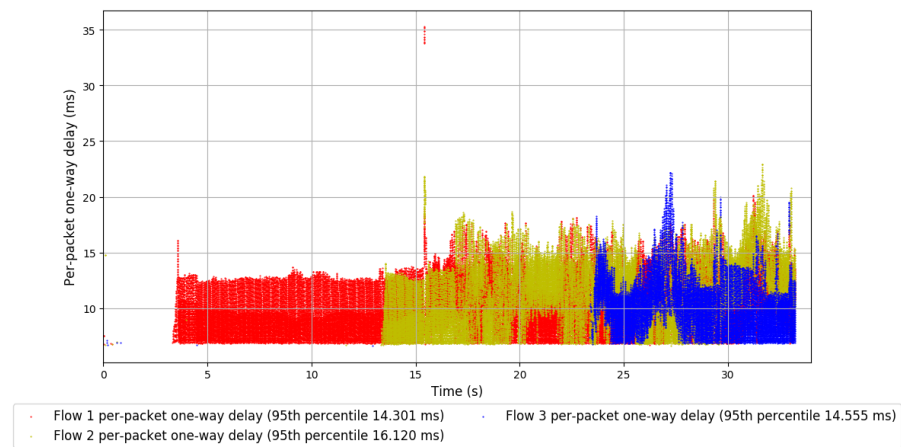
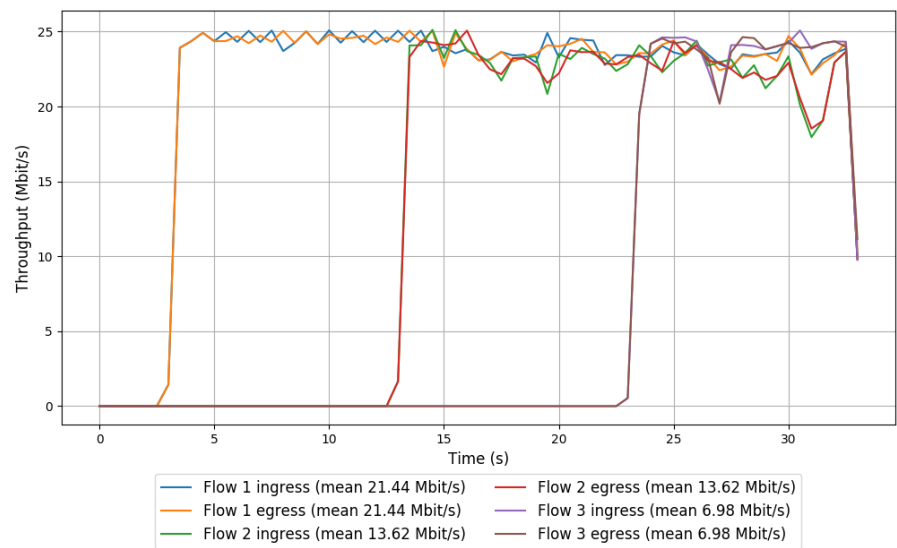
-- Flow 3:

Average throughput: 6.98 Mbit/s

95th percentile per-packet one-way delay: 14.555 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:46:22 +0000

End at: Tue, 04 Jul 2017 20:46:52 +0000

Local clock offset: -0.035 ms

Remote clock offset: -16.458 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 42.66 Mbit/s

95th percentile per-packet one-way delay: 15.391 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.90 Mbit/s

95th percentile per-packet one-way delay: 13.349 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.19 Mbit/s

95th percentile per-packet one-way delay: 15.508 ms

Loss rate: 0.00%

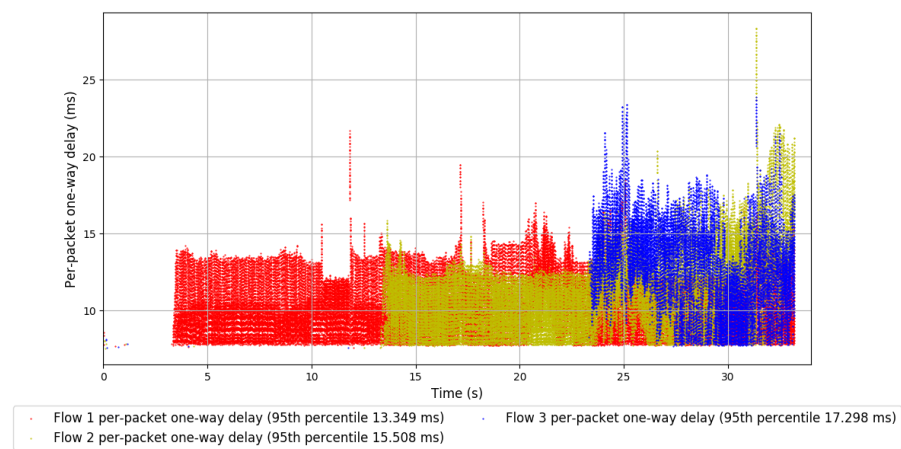
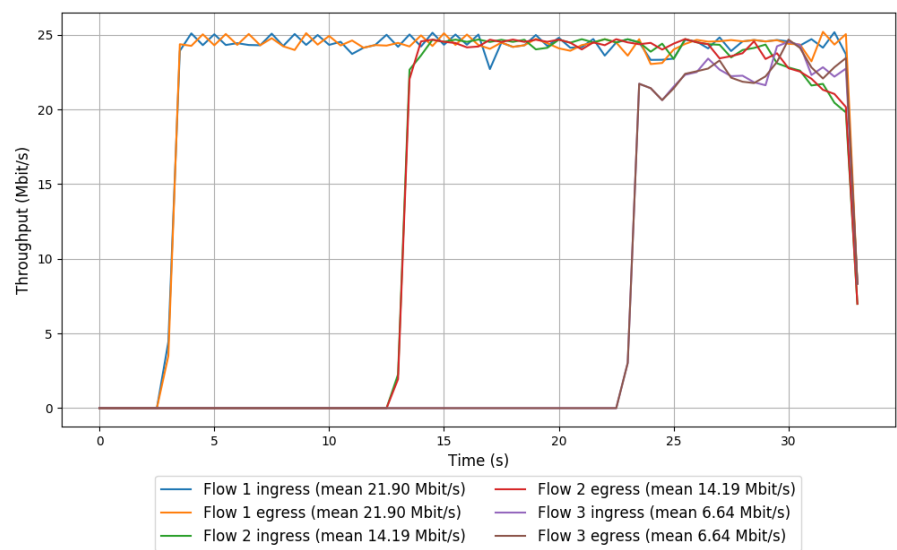
-- Flow 3:

Average throughput: 6.64 Mbit/s

95th percentile per-packet one-way delay: 17.298 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:05:32 +0000

End at: Tue, 04 Jul 2017 21:06:02 +0000

Local clock offset: 1.464 ms

Remote clock offset: -16.03 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:43:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.00 Mbit/s

95th percentile per-packet one-way delay: 17.864 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.88 Mbit/s

95th percentile per-packet one-way delay: 17.848 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 16.883 ms

Loss rate: 0.00%

-- Flow 3:

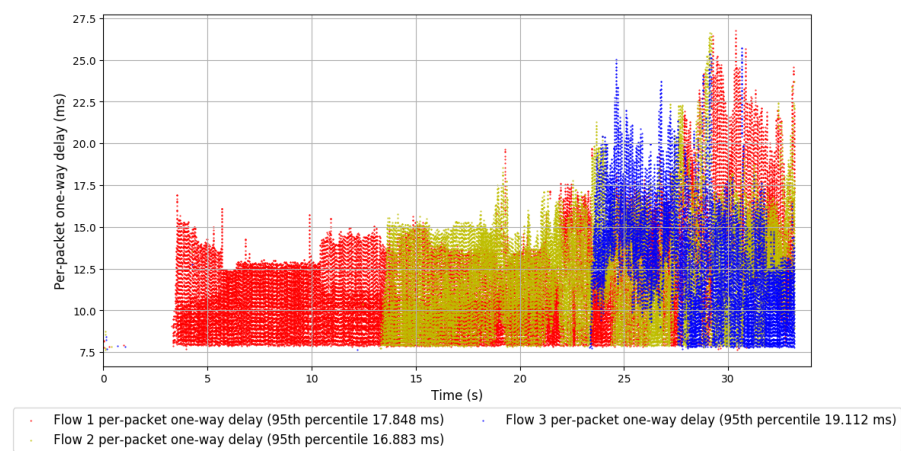
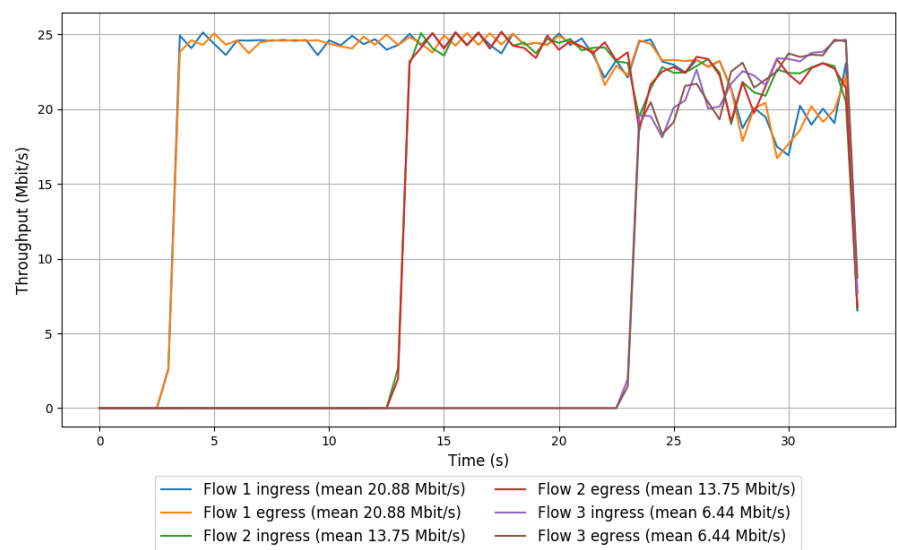
Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 19.112 ms

Loss rate: 0.00%



Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:24:03 +0000

End at: Tue, 04 Jul 2017 21:24:33 +0000

Local clock offset: 1.375 ms

Remote clock offset: -15.972 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:44:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 43.10 Mbit/s

95th percentile per-packet one-way delay: 15.055 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.72 Mbit/s

95th percentile per-packet one-way delay: 14.905 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 14.327 ms

Loss rate: 0.00%

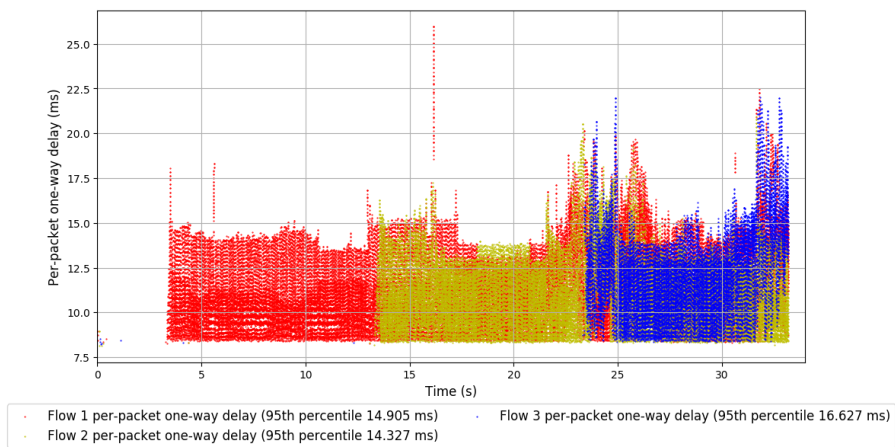
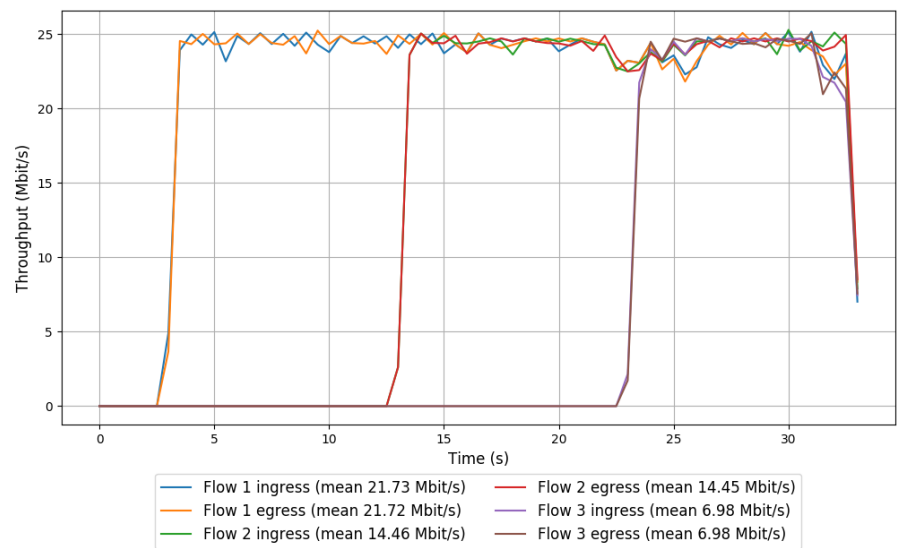
-- Flow 3:

Average throughput: 6.98 Mbit/s

95th percentile per-packet one-way delay: 16.627 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:42:39 +0000

End at: Tue, 04 Jul 2017 21:43:09 +0000

Local clock offset: -0.789 ms

Remote clock offset: -18.514 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:44:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.97 Mbit/s

95th percentile per-packet one-way delay: 16.734 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.13 Mbit/s

95th percentile per-packet one-way delay: 16.989 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.87 Mbit/s

95th percentile per-packet one-way delay: 16.896 ms

Loss rate: 0.00%

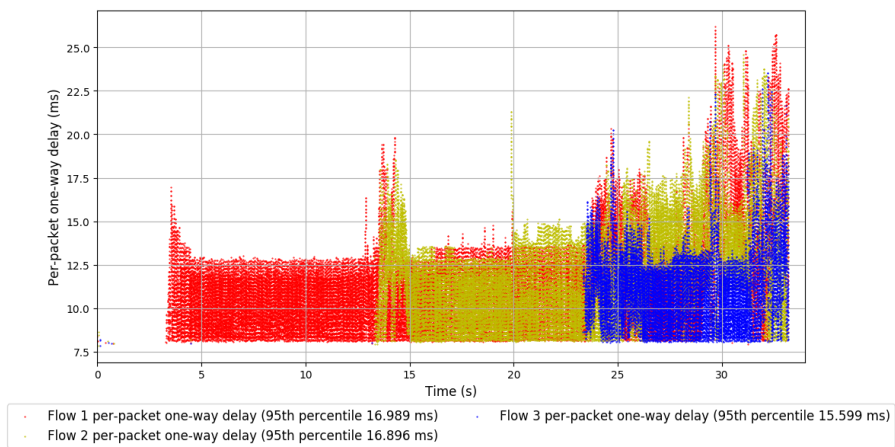
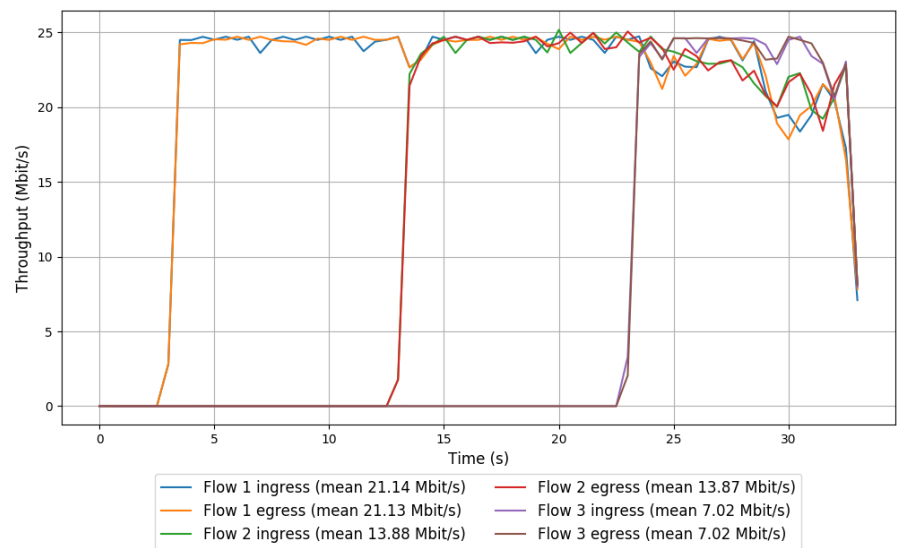
-- Flow 3:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 15.599 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 18:39:41 +0000

End at: Tue, 04 Jul 2017 18:40:11 +0000

Local clock offset: 3.628 ms

Remote clock offset: -16.993 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:44:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.04 Mbit/s

95th percentile per-packet one-way delay: 42.293 ms

Loss rate: 16.57%

-- Flow 1:

Average throughput: 48.07 Mbit/s

95th percentile per-packet one-way delay: 39.975 ms

Loss rate: 13.65%

-- Flow 2:

Average throughput: 23.62 Mbit/s

95th percentile per-packet one-way delay: 44.403 ms

Loss rate: 25.07%

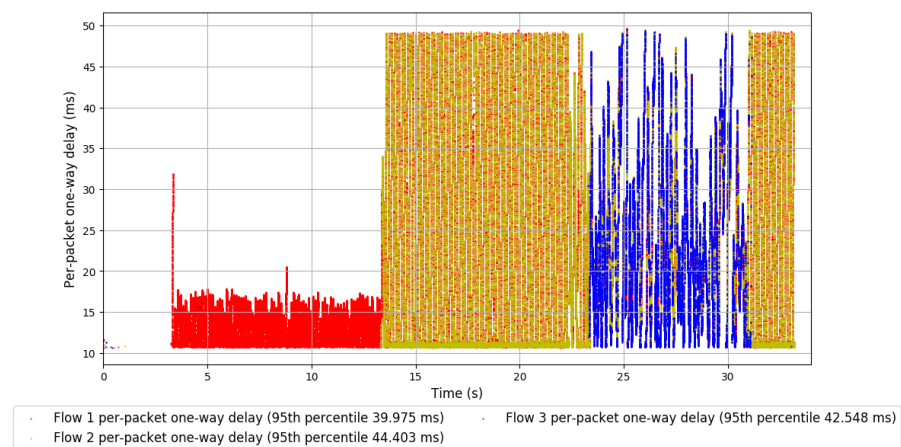
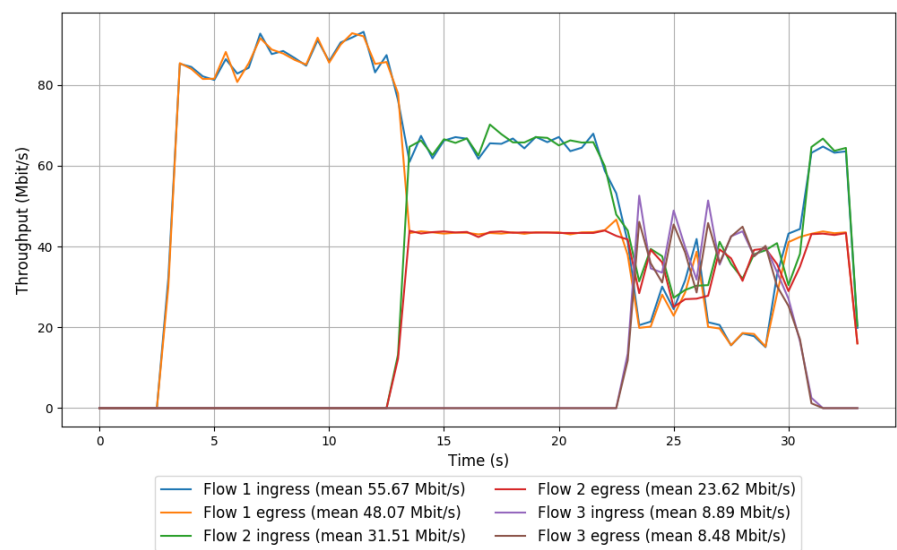
-- Flow 3:

Average throughput: 8.48 Mbit/s

95th percentile per-packet one-way delay: 42.548 ms

Loss rate: 4.67%

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



Run 2: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 18:57:45 +0000

End at: Tue, 04 Jul 2017 18:58:15 +0000

Local clock offset: 1.576 ms

Remote clock offset: -17.297 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:44:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.38 Mbit/s

95th percentile per-packet one-way delay: 42.155 ms

Loss rate: 19.61%

-- Flow 1:

Average throughput: 53.39 Mbit/s

95th percentile per-packet one-way delay: 39.974 ms

Loss rate: 15.05%

-- Flow 2:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 44.366 ms

Loss rate: 28.02%

-- Flow 3:

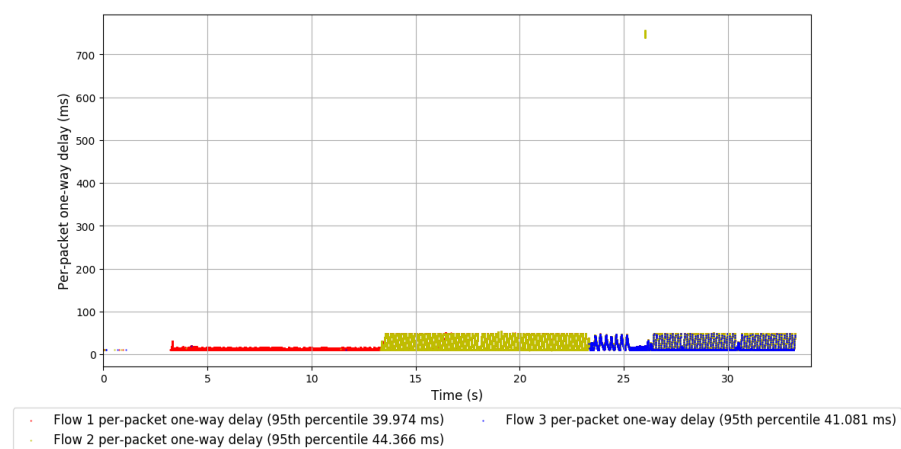
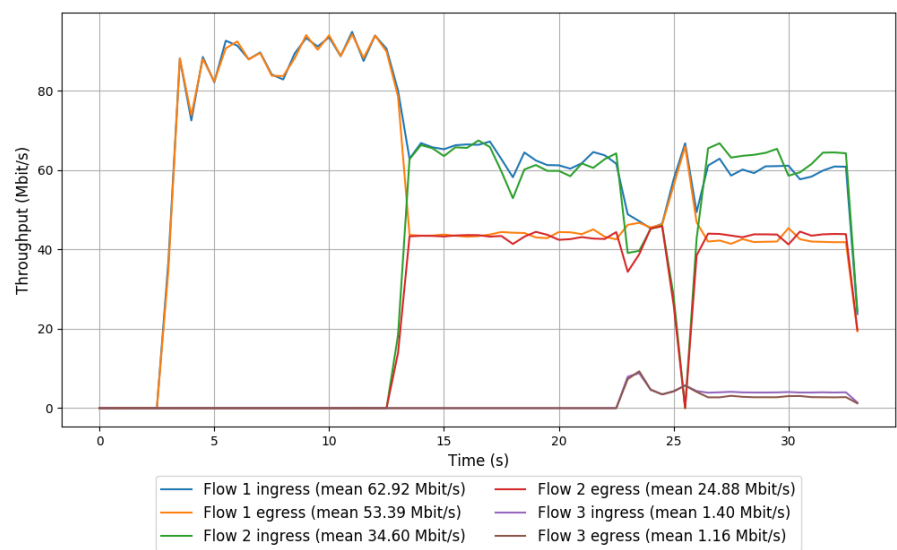
Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 41.081 ms

Loss rate: 16.86%



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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:16:09 +0000

End at: Tue, 04 Jul 2017 19:16:39 +0000

Local clock offset: 1.802 ms

Remote clock offset: -16.493 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:44:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.24 Mbit/s

95th percentile per-packet one-way delay: 41.161 ms

Loss rate: 12.57%

-- Flow 1:

Average throughput: 50.89 Mbit/s

95th percentile per-packet one-way delay: 38.256 ms

Loss rate: 9.85%

-- Flow 2:

Average throughput: 19.40 Mbit/s

95th percentile per-packet one-way delay: 43.678 ms

Loss rate: 20.89%

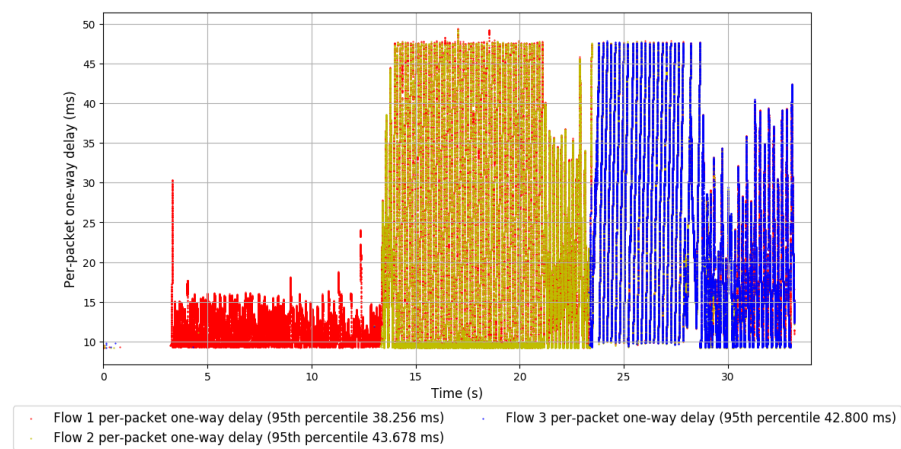
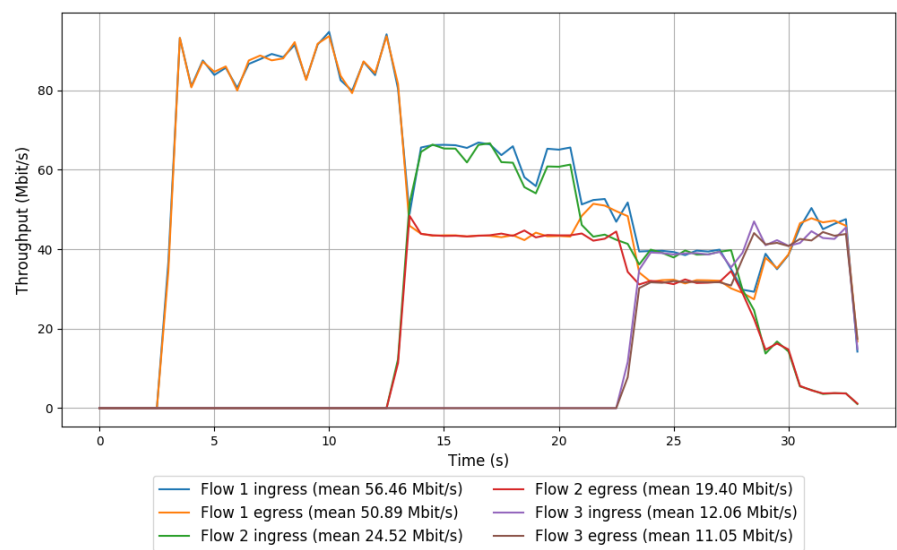
-- Flow 3:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 42.800 ms

Loss rate: 8.39%

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



Run 4: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:34:21 +0000

End at: Tue, 04 Jul 2017 19:34:51 +0000

Local clock offset: 1.484 ms

Remote clock offset: -16.483 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:44:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.28 Mbit/s

95th percentile per-packet one-way delay: 40.134 ms

Loss rate: 13.40%

-- Flow 1:

Average throughput: 51.11 Mbit/s

95th percentile per-packet one-way delay: 38.576 ms

Loss rate: 10.41%

-- Flow 2:

Average throughput: 25.00 Mbit/s

95th percentile per-packet one-way delay: 41.684 ms

Loss rate: 19.74%

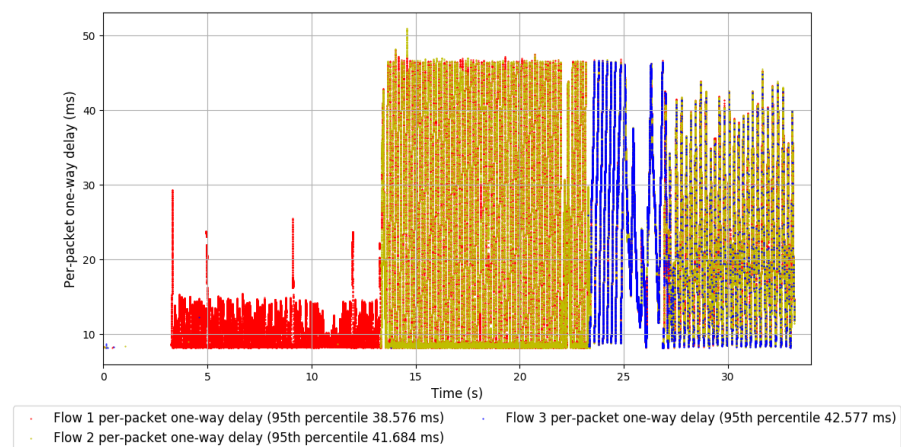
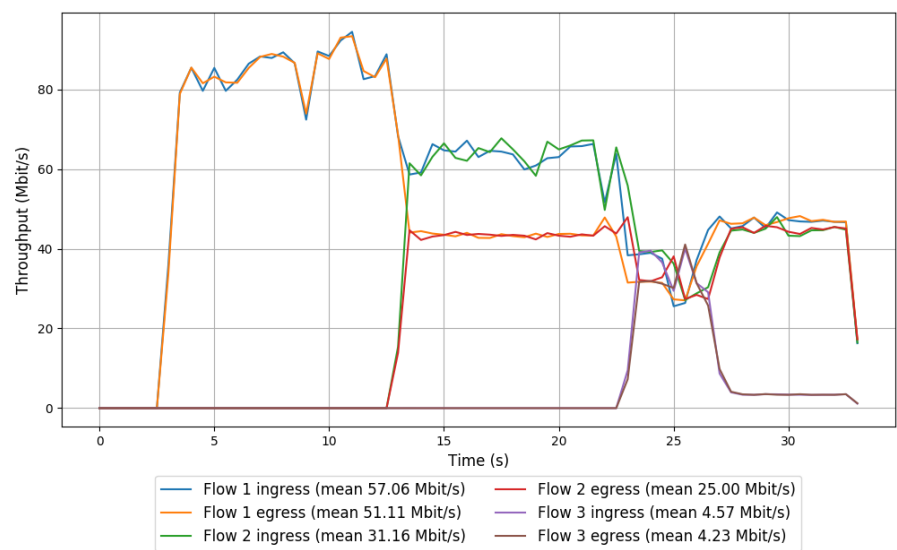
-- Flow 3:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 42.577 ms

Loss rate: 7.49%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:52:46 +0000

End at: Tue, 04 Jul 2017 19:53:16 +0000

Local clock offset: 1.202 ms

Remote clock offset: -15.374 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:45:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.41 Mbit/s

95th percentile per-packet one-way delay: 37.546 ms

Loss rate: 14.26%

-- Flow 1:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 35.606 ms

Loss rate: 11.42%

-- Flow 2:

Average throughput: 28.25 Mbit/s

95th percentile per-packet one-way delay: 39.785 ms

Loss rate: 18.97%

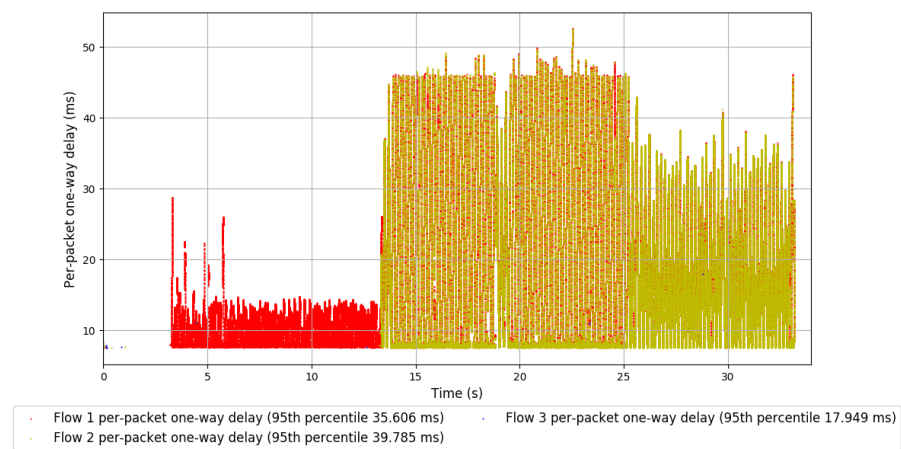
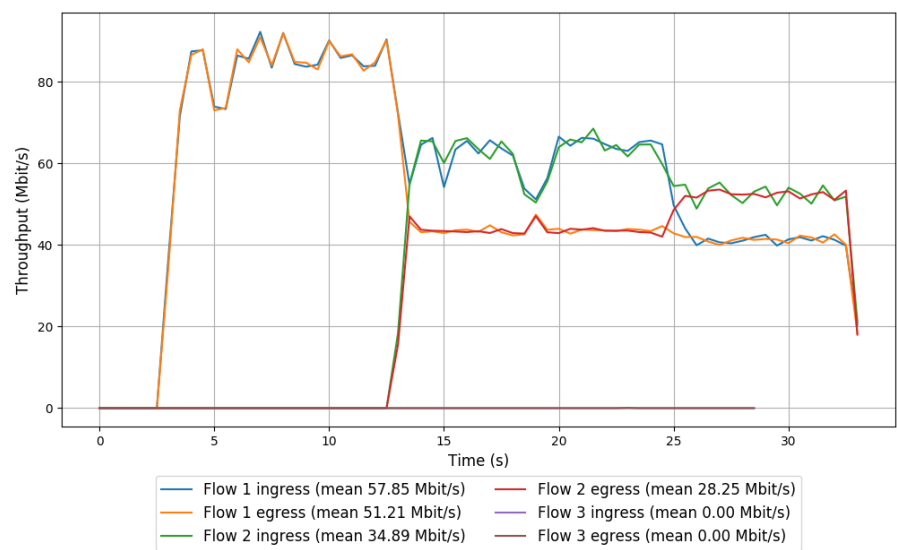
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.949 ms

Loss rate: 57.41%

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



Run 6: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:12:00 +0000

End at: Tue, 04 Jul 2017 20:12:30 +0000

Local clock offset: -2.391 ms

Remote clock offset: -15.926 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:45:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.91 Mbit/s

95th percentile per-packet one-way delay: 39.225 ms

Loss rate: 11.41%

-- Flow 1:

Average throughput: 42.40 Mbit/s

95th percentile per-packet one-way delay: 35.893 ms

Loss rate: 6.98%

-- Flow 2:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 40.973 ms

Loss rate: 15.99%

-- Flow 3:

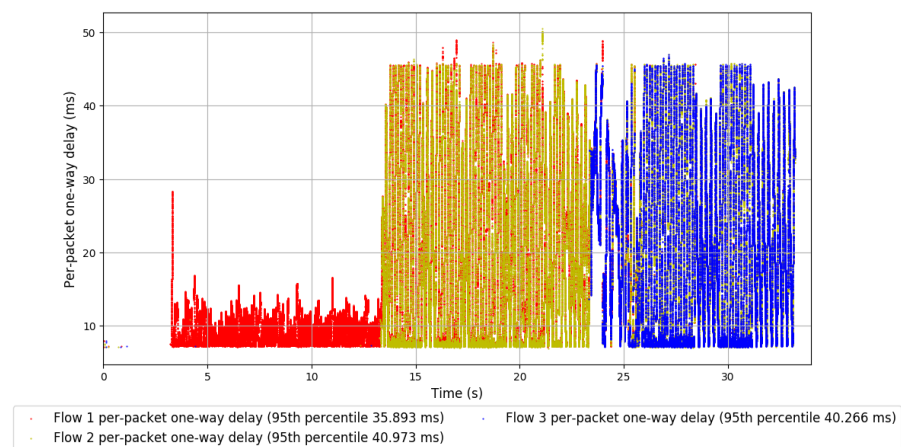
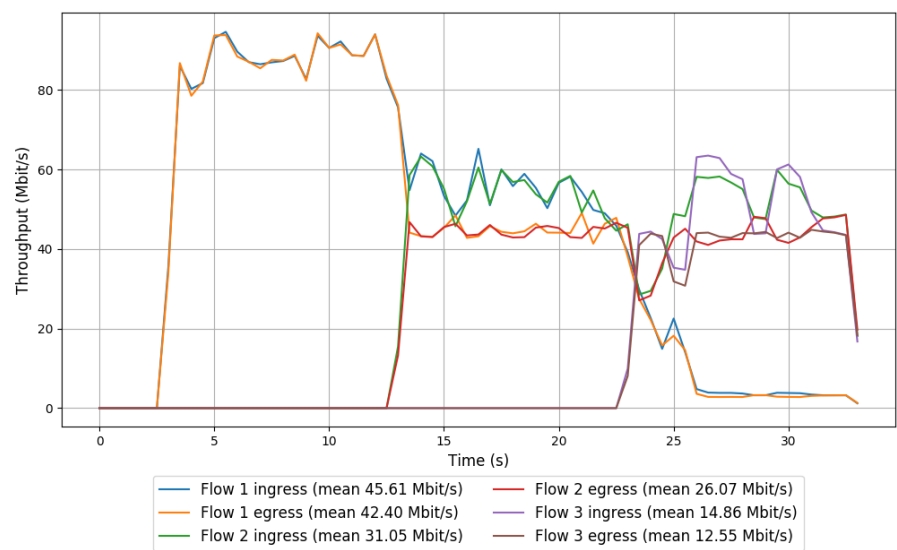
Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 40.266 ms

Loss rate: 15.49%



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



Run 7: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:31:23 +0000

End at: Tue, 04 Jul 2017 20:31:53 +0000

Local clock offset: 0.816 ms

Remote clock offset: -14.261 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:45:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.12 Mbit/s

95th percentile per-packet one-way delay: 39.766 ms

Loss rate: 22.73%

-- Flow 1:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 37.867 ms

Loss rate: 17.92%

-- Flow 2:

Average throughput: 26.04 Mbit/s

95th percentile per-packet one-way delay: 41.633 ms

Loss rate: 30.84%

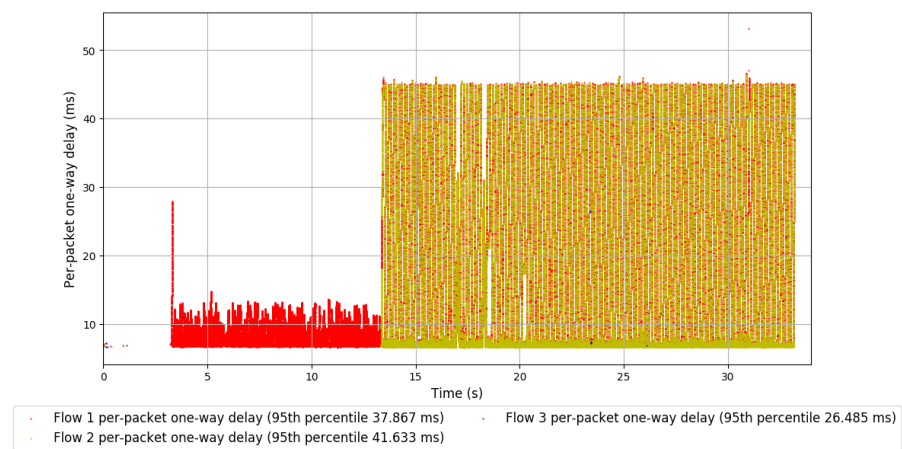
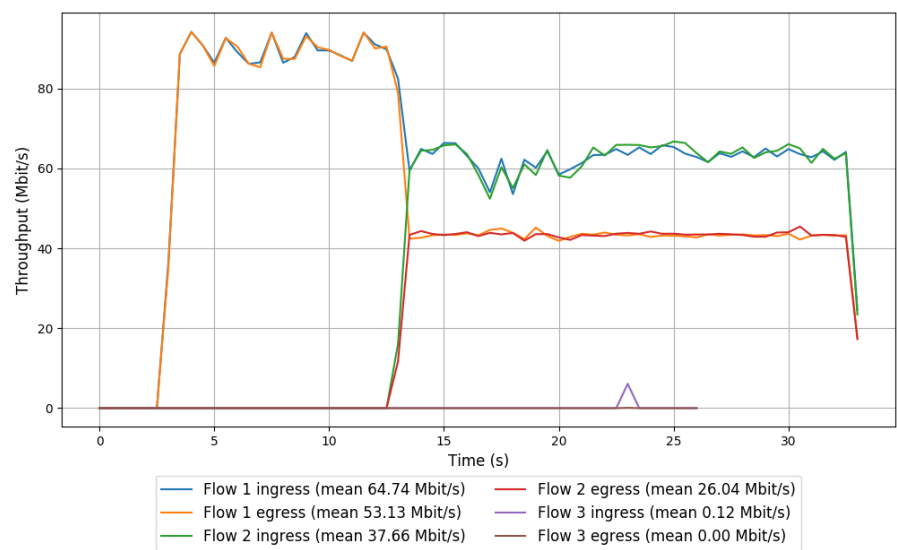
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 26.485 ms

Loss rate: 98.52%

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



Run 8: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:50:13 +0000

End at: Tue, 04 Jul 2017 20:50:43 +0000

Local clock offset: -0.146 ms

Remote clock offset: -15.129 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:45:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 40.032 ms

Loss rate: 16.89%

-- Flow 1:

Average throughput: 52.14 Mbit/s

95th percentile per-packet one-way delay: 38.233 ms

Loss rate: 12.98%

-- Flow 2:

Average throughput: 26.91 Mbit/s

95th percentile per-packet one-way delay: 41.866 ms

Loss rate: 23.66%

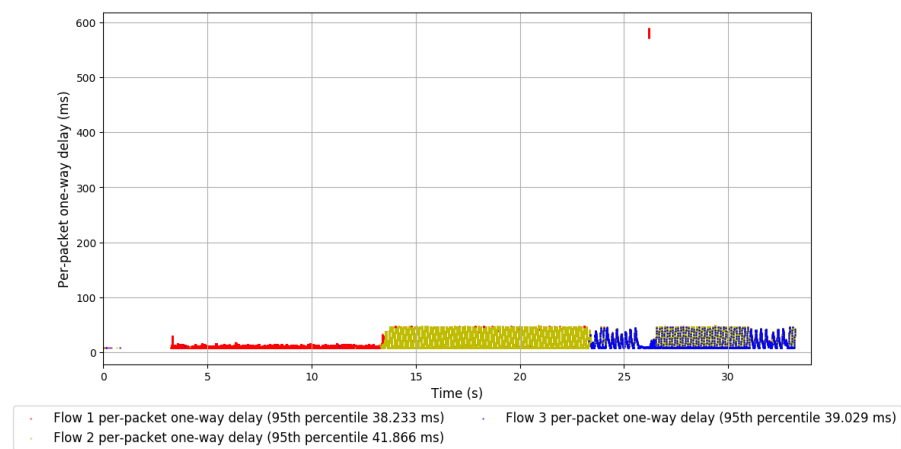
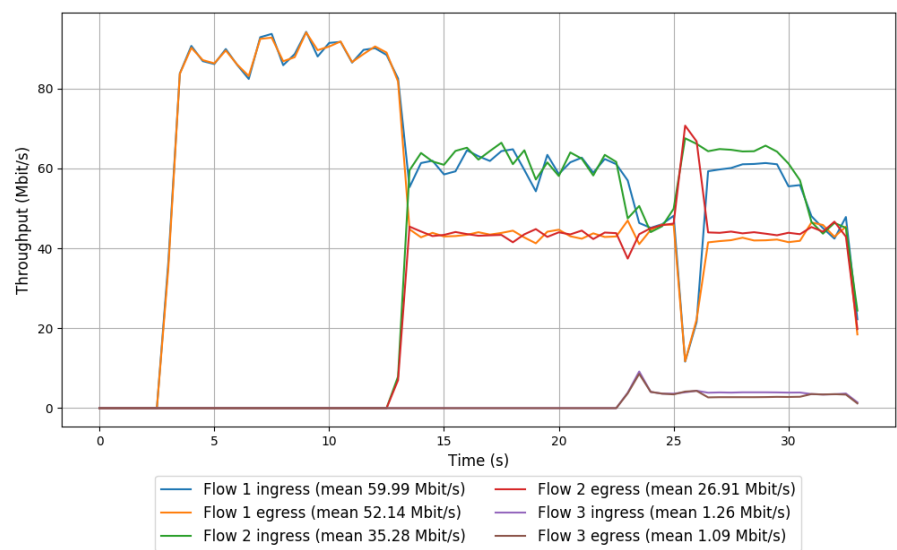
-- Flow 3:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 39.029 ms

Loss rate: 13.96%

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



Run 9: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 21:09:03 +0000

End at: Tue, 04 Jul 2017 21:09:33 +0000

Local clock offset: 0.555 ms

Remote clock offset: -15.345 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:45:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 64.59 Mbit/s

95th percentile per-packet one-way delay: 40.599 ms

Loss rate: 20.02%

-- Flow 1:

Average throughput: 51.91 Mbit/s

95th percentile per-packet one-way delay: 37.898 ms

Loss rate: 14.88%

-- Flow 2:

Average throughput: 19.30 Mbit/s

95th percentile per-packet one-way delay: 43.062 ms

Loss rate: 31.03%

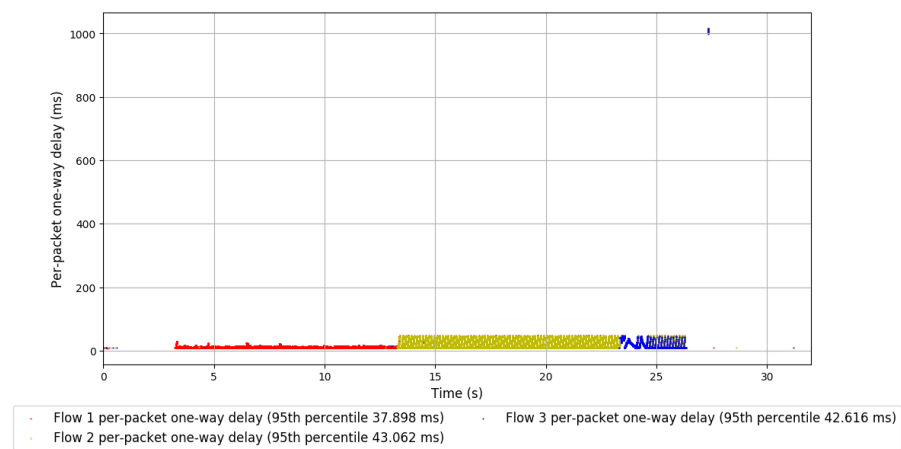
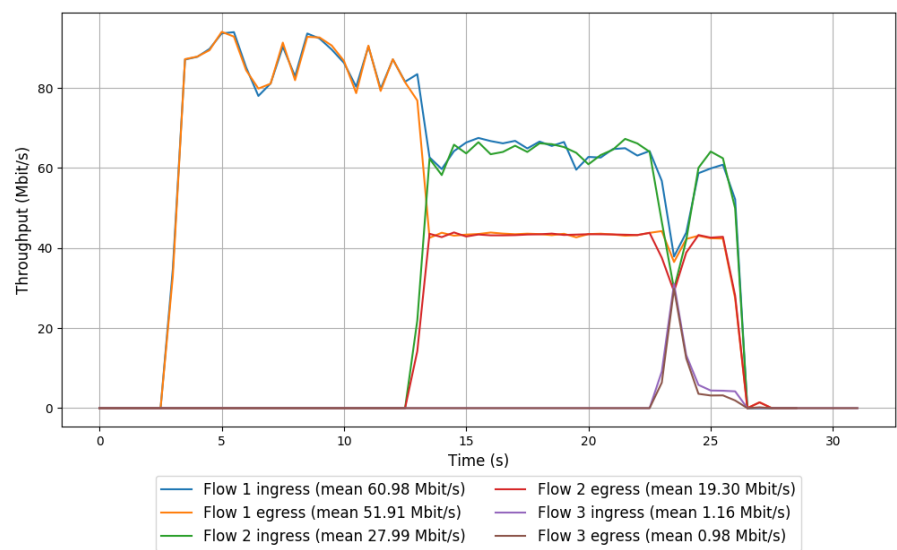
-- Flow 3:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 42.616 ms

Loss rate: 15.94%

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



Run 10: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 21:27:36 +0000

End at: Tue, 04 Jul 2017 21:28:06 +0000

Local clock offset: 1.348 ms

Remote clock offset: -16.77 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:45:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 41.217 ms

Loss rate: 22.28%

-- Flow 1:

Average throughput: 51.73 Mbit/s

95th percentile per-packet one-way delay: 39.443 ms

Loss rate: 17.57%

-- Flow 2:

Average throughput: 26.00 Mbit/s

95th percentile per-packet one-way delay: 42.999 ms

Loss rate: 30.23%

-- Flow 3:

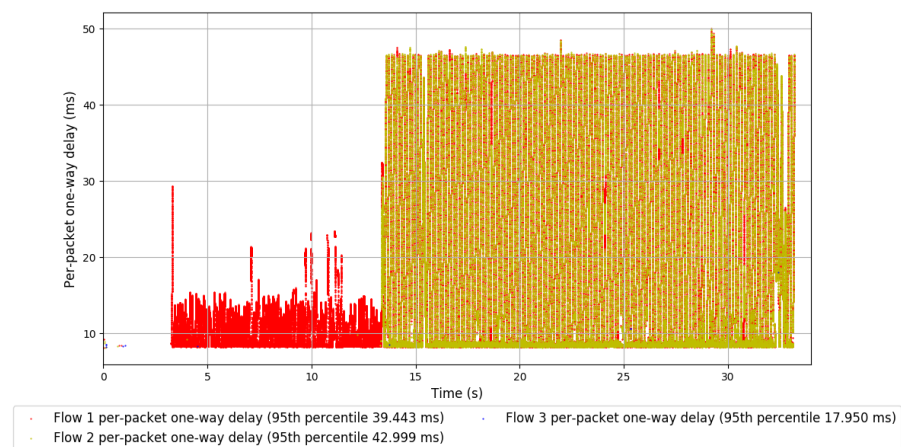
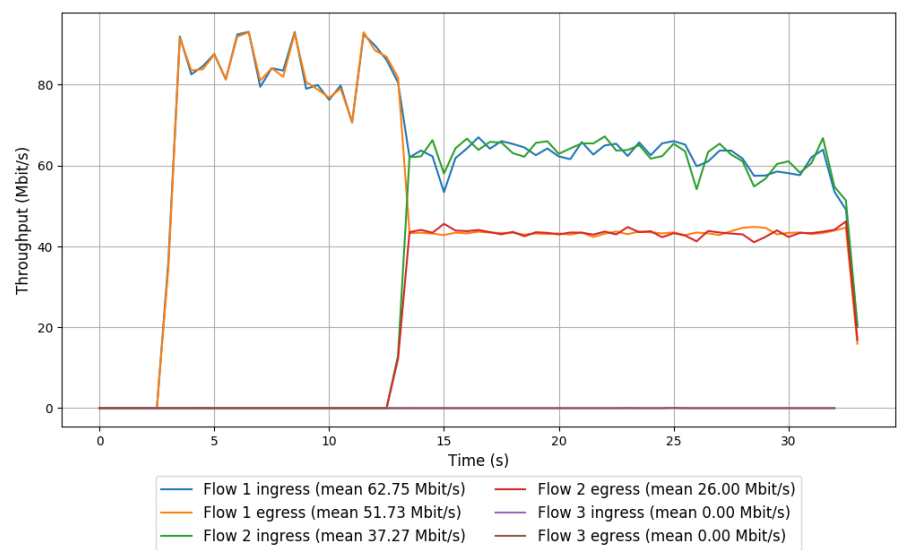
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.950 ms

Loss rate: 66.91%



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



Run 1: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 18:50:47 +0000

End at: Tue, 04 Jul 2017 18:51:17 +0000

Local clock offset: 2.252 ms

Remote clock offset: -16.506 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.38 Mbit/s

95th percentile per-packet one-way delay: 16.116 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 59.77 Mbit/s

95th percentile per-packet one-way delay: 16.372 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 20.10 Mbit/s

95th percentile per-packet one-way delay: 14.353 ms

Loss rate: 0.00%

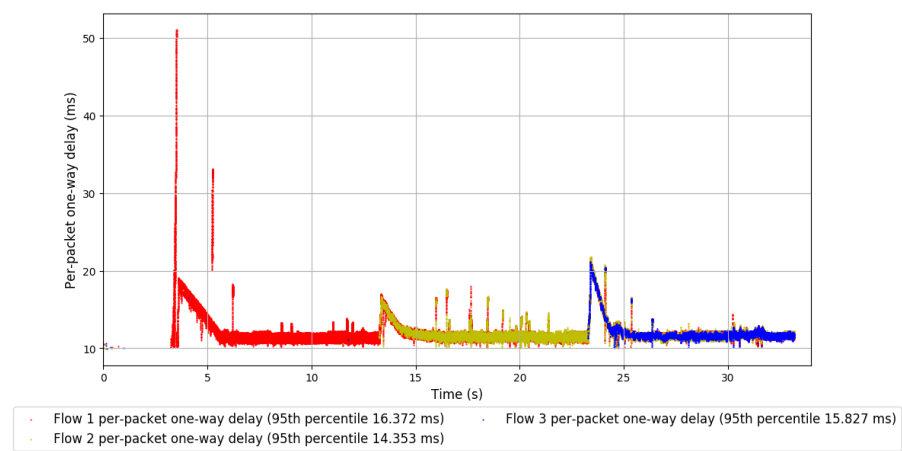
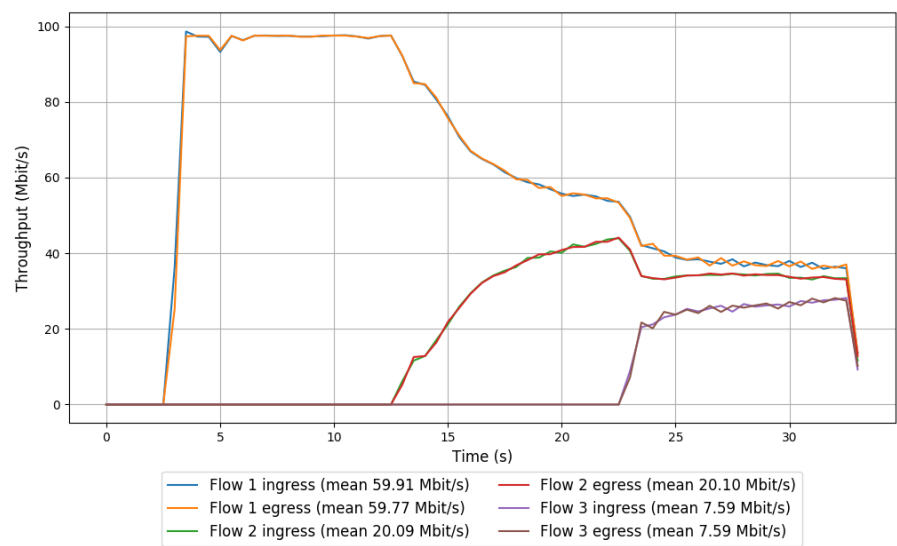
-- Flow 3:

Average throughput: 7.59 Mbit/s

95th percentile per-packet one-way delay: 15.827 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:09:07 +0000

End at: Tue, 04 Jul 2017 19:09:37 +0000

Local clock offset: 2.158 ms

Remote clock offset: -17.201 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.17 Mbit/s

95th percentile per-packet one-way delay: 15.882 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 55.78 Mbit/s

95th percentile per-packet one-way delay: 16.067 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 22.29 Mbit/s

95th percentile per-packet one-way delay: 15.463 ms

Loss rate: 0.00%

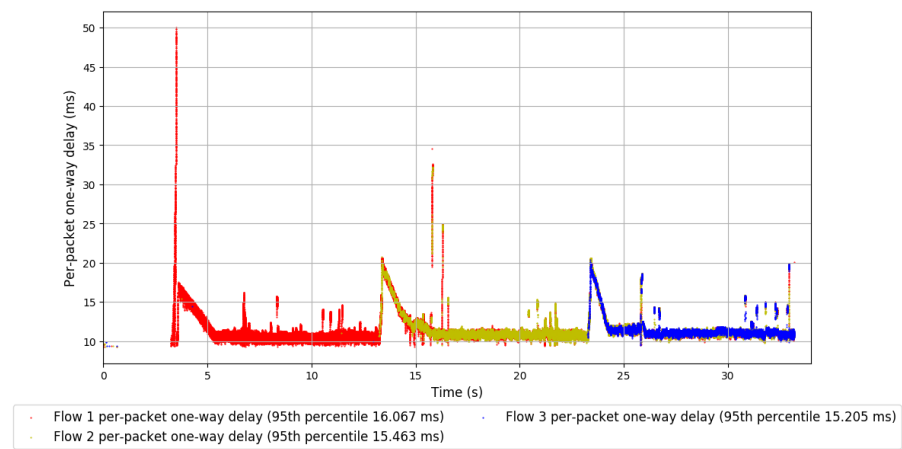
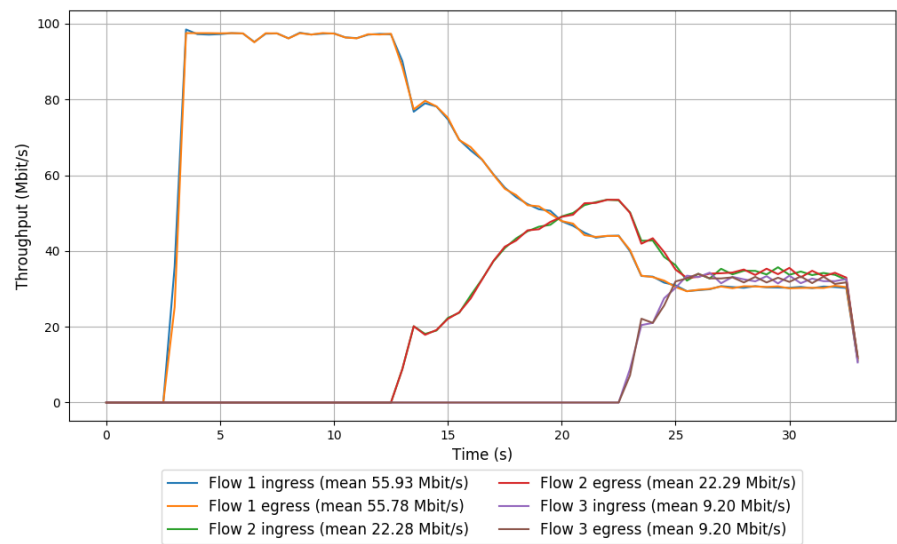
-- Flow 3:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 15.205 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:27:21 +0000

End at: Tue, 04 Jul 2017 19:27:51 +0000

Local clock offset: 1.257 ms

Remote clock offset: -16.141 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.53 Mbit/s

95th percentile per-packet one-way delay: 13.830 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.18 Mbit/s

95th percentile per-packet one-way delay: 13.852 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.54 Mbit/s

95th percentile per-packet one-way delay: 14.273 ms

Loss rate: 0.00%

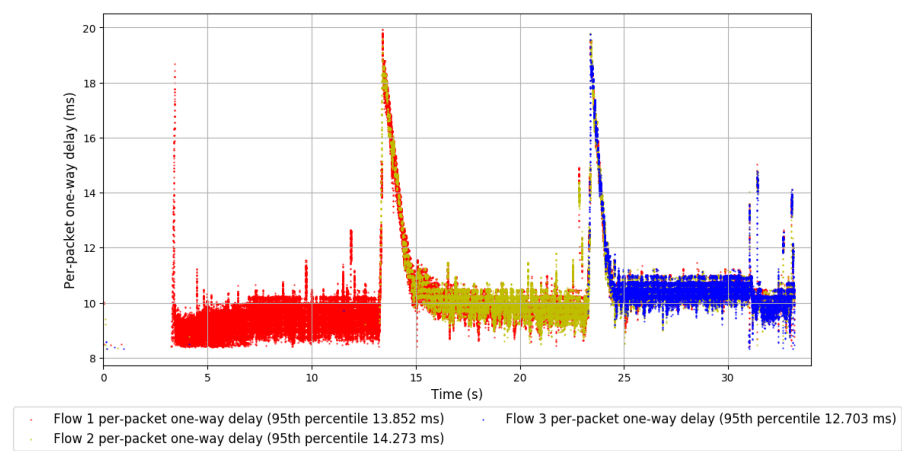
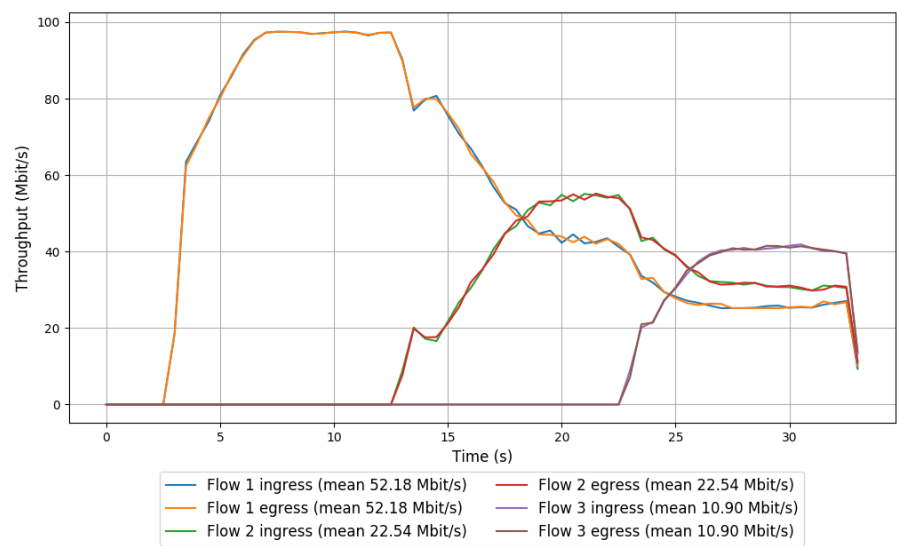
-- Flow 3:

Average throughput: 10.90 Mbit/s

95th percentile per-packet one-way delay: 12.703 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:45:37 +0000

End at: Tue, 04 Jul 2017 19:46:07 +0000

Local clock offset: 1.904 ms

Remote clock offset: -15.941 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 14.167 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.23 Mbit/s

95th percentile per-packet one-way delay: 14.672 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.30 Mbit/s

95th percentile per-packet one-way delay: 12.456 ms

Loss rate: 0.00%

-- Flow 3:

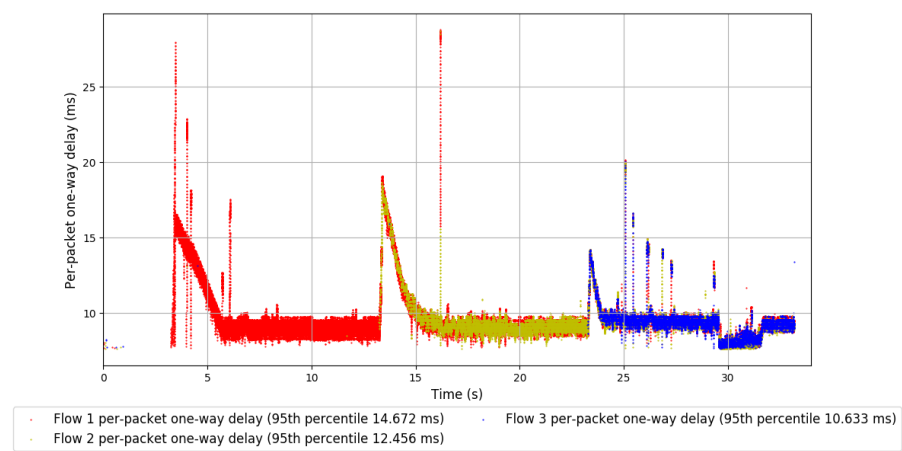
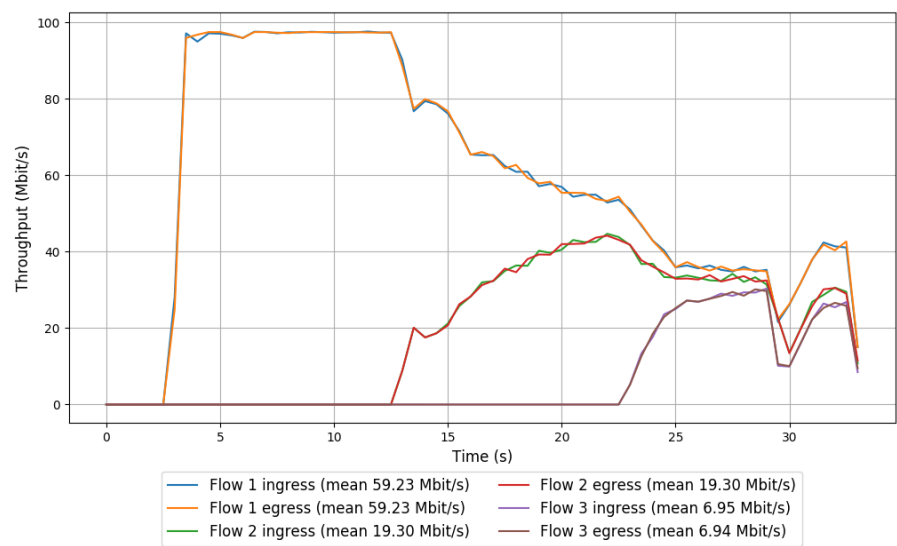
Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 10.633 ms

Loss rate: 0.02%



Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:04:40 +0000

End at: Tue, 04 Jul 2017 20:05:10 +0000

Local clock offset: -2.105 ms

Remote clock offset: -16.419 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.33 Mbit/s

95th percentile per-packet one-way delay: 13.106 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 57.25 Mbit/s

95th percentile per-packet one-way delay: 13.228 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 20.73 Mbit/s

95th percentile per-packet one-way delay: 12.180 ms

Loss rate: 0.00%

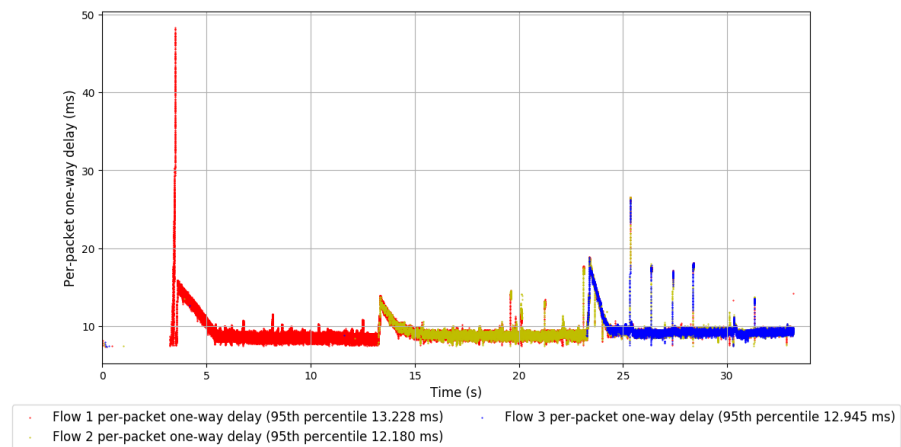
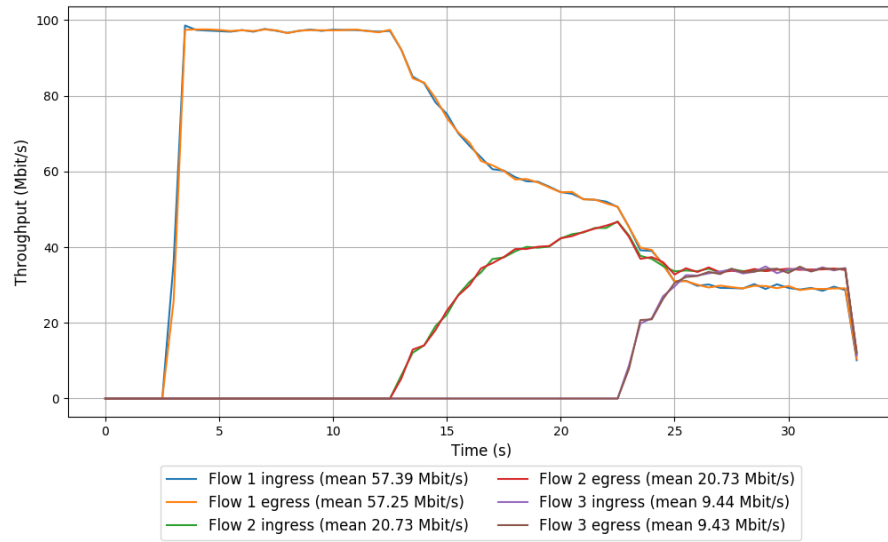
-- Flow 3:

Average throughput: 9.43 Mbit/s

95th percentile per-packet one-way delay: 12.945 ms

Loss rate: 0.00%

## Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:23:45 +0000

End at: Tue, 04 Jul 2017 20:24:15 +0000

Local clock offset: -0.408 ms

Remote clock offset: -13.301 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.92 Mbit/s

95th percentile per-packet one-way delay: 12.643 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: 12.515 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 18.80 Mbit/s

95th percentile per-packet one-way delay: 12.920 ms

Loss rate: 0.02%

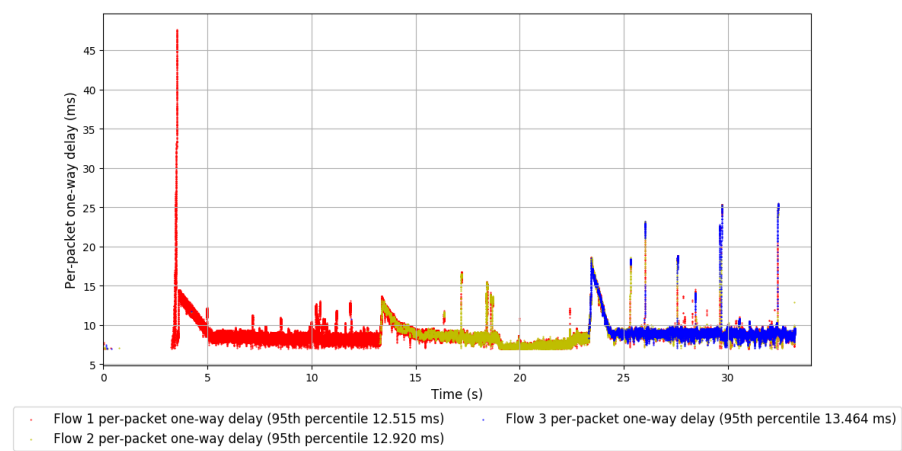
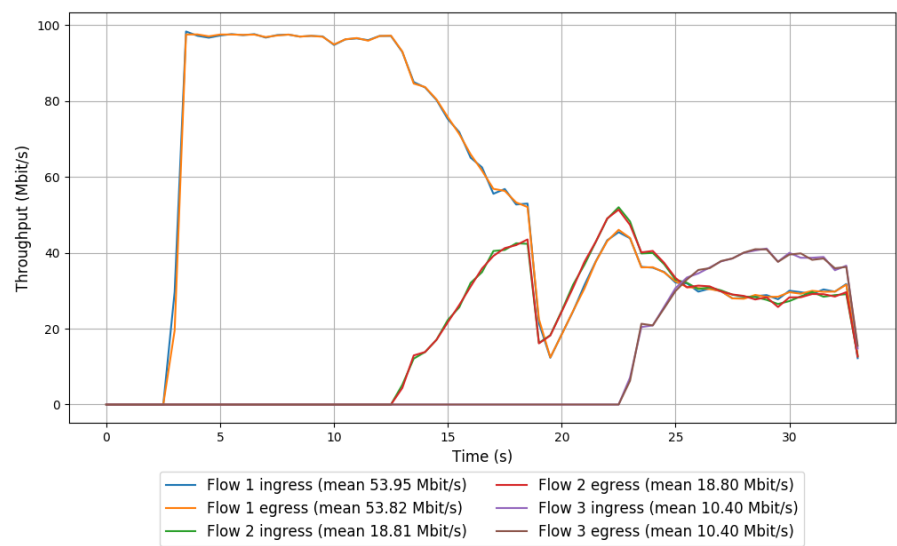
-- Flow 3:

Average throughput: 10.40 Mbit/s

95th percentile per-packet one-way delay: 13.464 ms

Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:42:43 +0000

End at: Tue, 04 Jul 2017 20:43:13 +0000

Local clock offset: 2.205 ms

Remote clock offset: -15.09 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.14 Mbit/s

95th percentile per-packet one-way delay: 14.774 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 56.67 Mbit/s

95th percentile per-packet one-way delay: 14.725 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 21.12 Mbit/s

95th percentile per-packet one-way delay: 14.818 ms

Loss rate: 0.00%

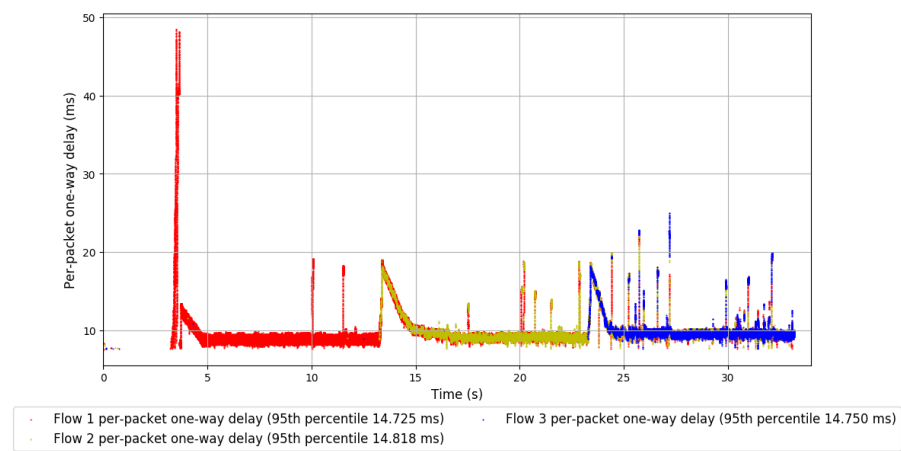
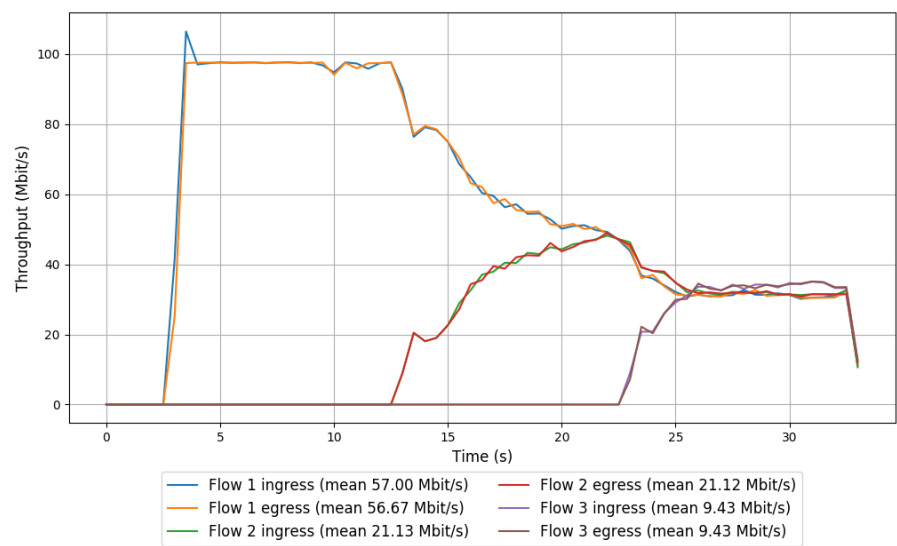
-- Flow 3:

Average throughput: 9.43 Mbit/s

95th percentile per-packet one-way delay: 14.750 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:01:55 +0000

End at: Tue, 04 Jul 2017 21:02:25 +0000

Local clock offset: -1.751 ms

Remote clock offset: -16.023 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.68 Mbit/s

95th percentile per-packet one-way delay: 18.962 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 47.47 Mbit/s

95th percentile per-packet one-way delay: 18.475 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 28.69 Mbit/s

95th percentile per-packet one-way delay: 19.275 ms

Loss rate: 0.42%

-- Flow 3:

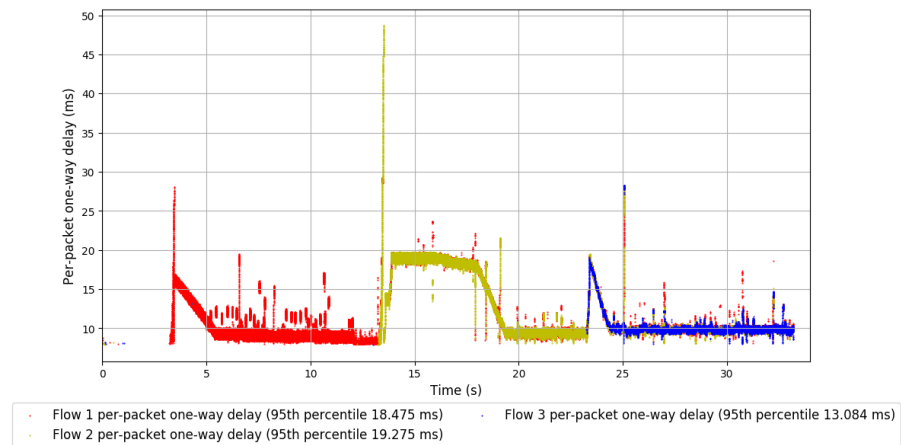
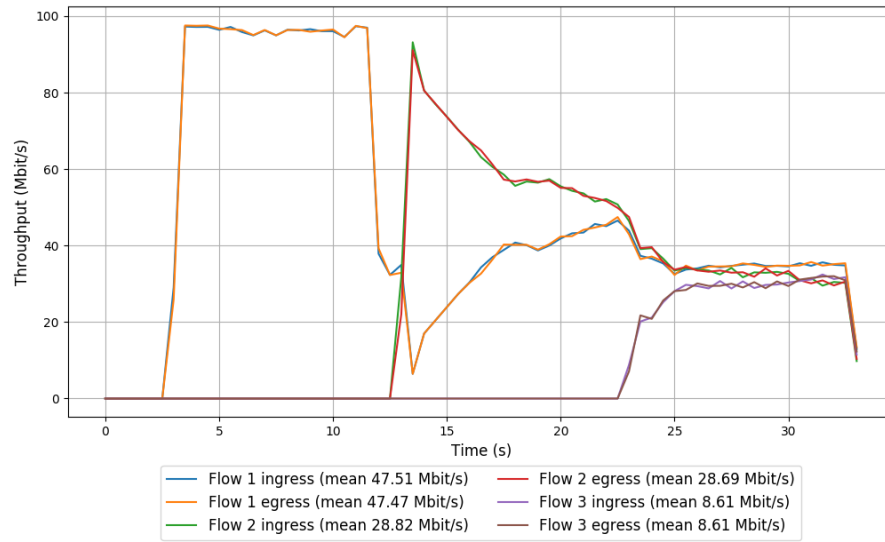
Average throughput: 8.61 Mbit/s

95th percentile per-packet one-way delay: 13.084 ms

Loss rate: 0.00%



# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:20:24 +0000

End at: Tue, 04 Jul 2017 21:20:54 +0000

Local clock offset: 0.253 ms

Remote clock offset: -17.449 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.34 Mbit/s

95th percentile per-packet one-way delay: 14.508 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 55.91 Mbit/s

95th percentile per-packet one-way delay: 15.034 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 21.43 Mbit/s

95th percentile per-packet one-way delay: 13.037 ms

Loss rate: 0.00%

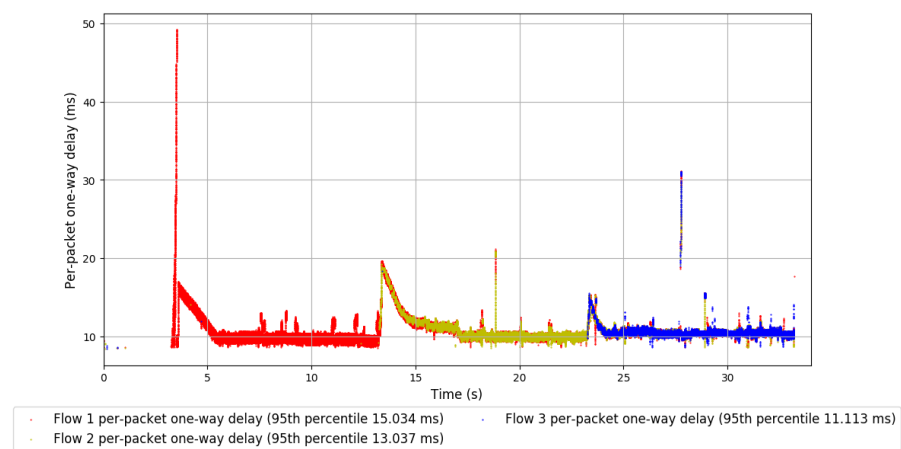
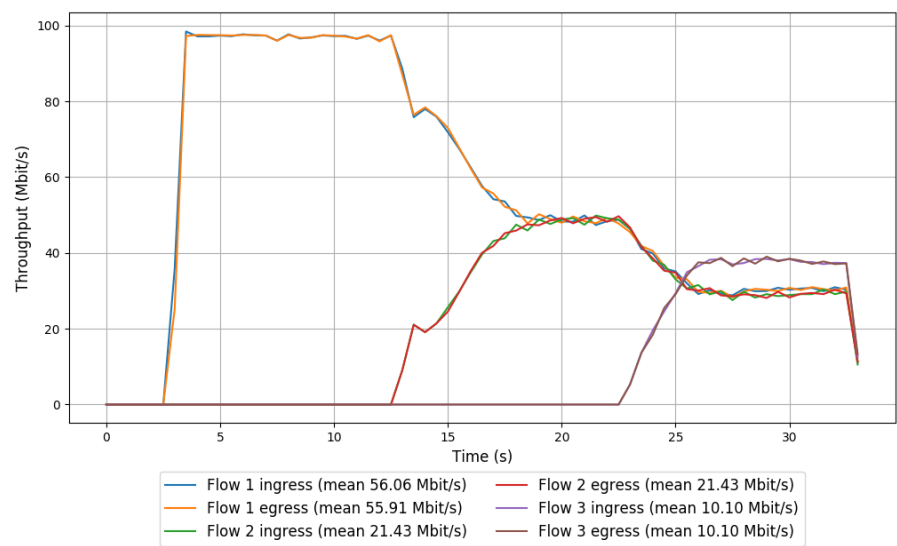
-- Flow 3:

Average throughput: 10.10 Mbit/s

95th percentile per-packet one-way delay: 11.113 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:39:02 +0000

End at: Tue, 04 Jul 2017 21:39:32 +0000

Local clock offset: -0.544 ms

Remote clock offset: -15.704 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:46:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 12.897 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 56.59 Mbit/s

95th percentile per-packet one-way delay: 12.934 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 20.64 Mbit/s

95th percentile per-packet one-way delay: 12.351 ms

Loss rate: 0.00%

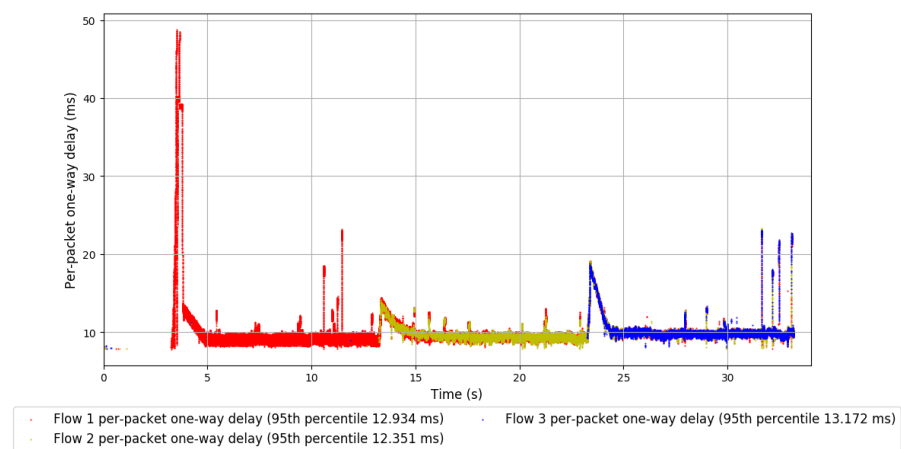
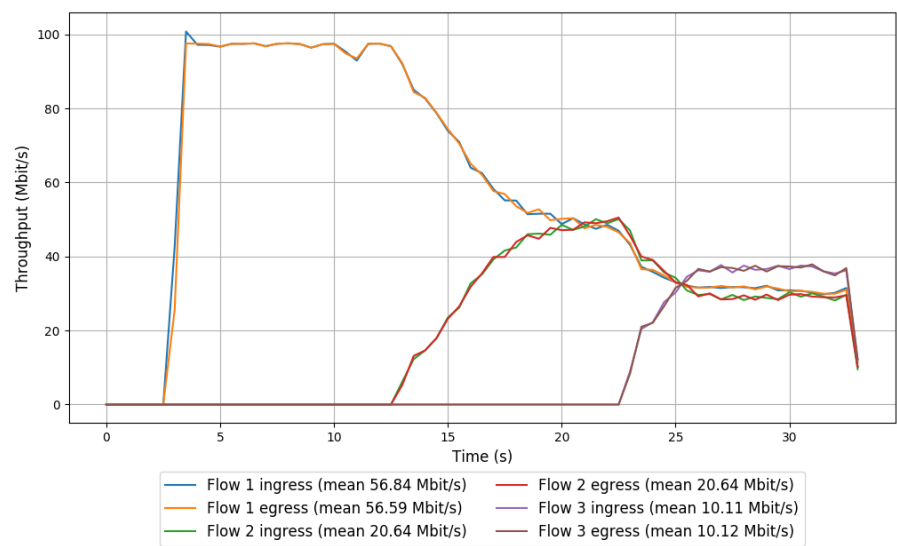
-- Flow 3:

Average throughput: 10.12 Mbit/s

95th percentile per-packet one-way delay: 13.172 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 18:44:48 +0000

End at: Tue, 04 Jul 2017 18:45:18 +0000

Local clock offset: 2.688 ms

Remote clock offset: -15.509 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.11 Mbit/s

95th percentile per-packet one-way delay: 45.757 ms

Loss rate: 27.26%

-- Flow 1:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 45.329 ms

Loss rate: 25.61%

-- Flow 2:

Average throughput: 19.12 Mbit/s

95th percentile per-packet one-way delay: 46.344 ms

Loss rate: 30.80%

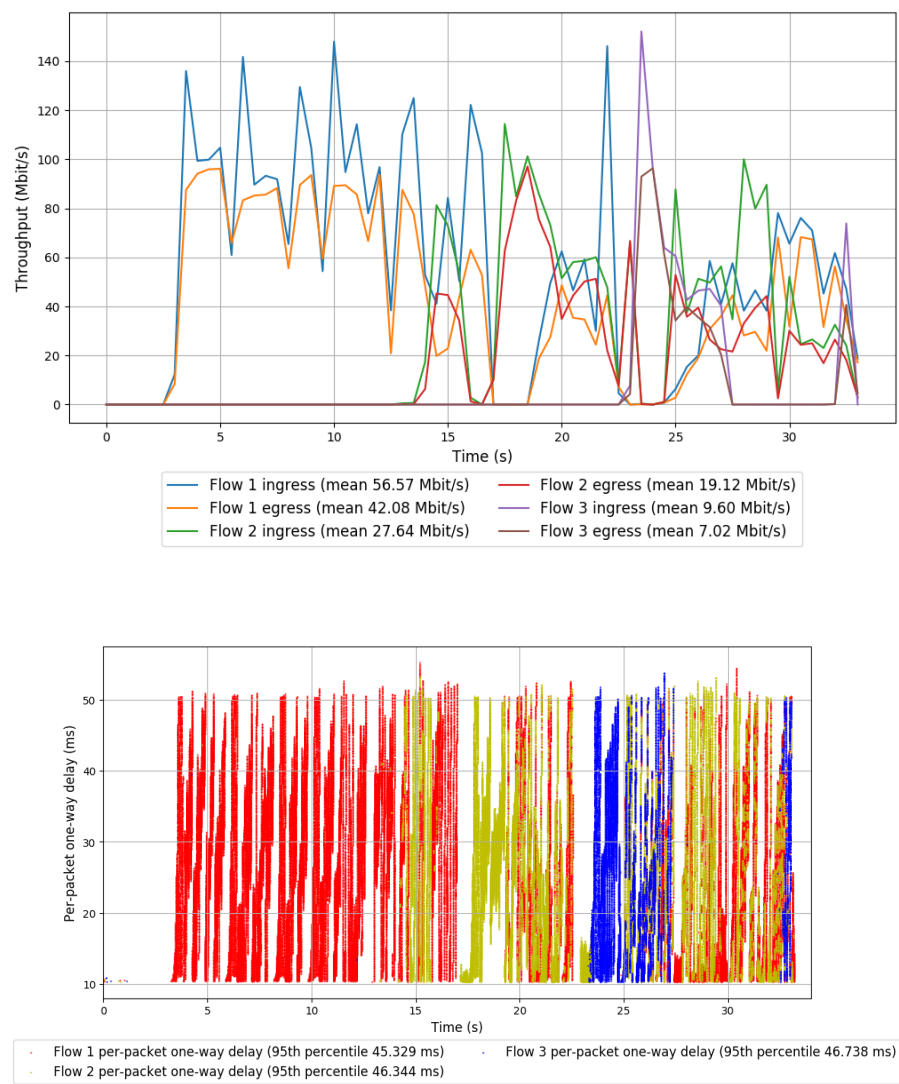
-- Flow 3:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 46.738 ms

Loss rate: 26.86%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:02:52 +0000

End at: Tue, 04 Jul 2017 19:03:22 +0000

Local clock offset: 2.711 ms

Remote clock offset: -16.188 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.45 Mbit/s

95th percentile per-packet one-way delay: 44.968 ms

Loss rate: 28.68%

-- Flow 1:

Average throughput: 54.22 Mbit/s

95th percentile per-packet one-way delay: 44.391 ms

Loss rate: 22.29%

-- Flow 2:

Average throughput: 13.54 Mbit/s

95th percentile per-packet one-way delay: 46.560 ms

Loss rate: 45.69%

-- Flow 3:

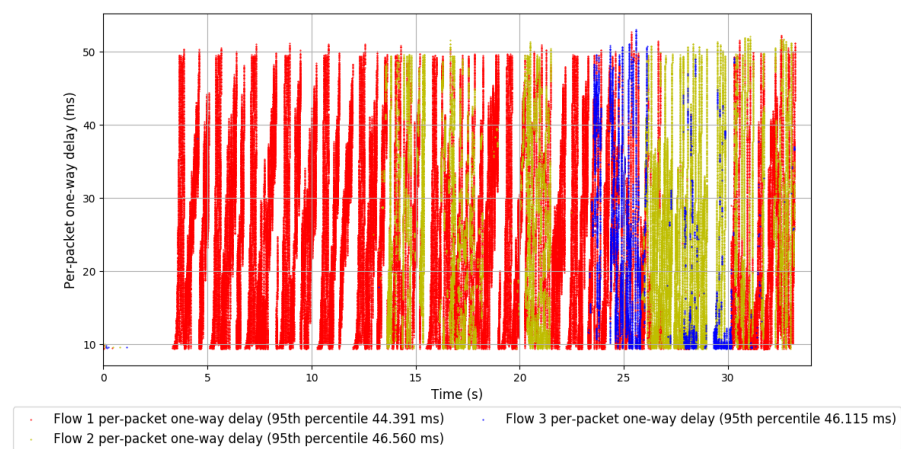
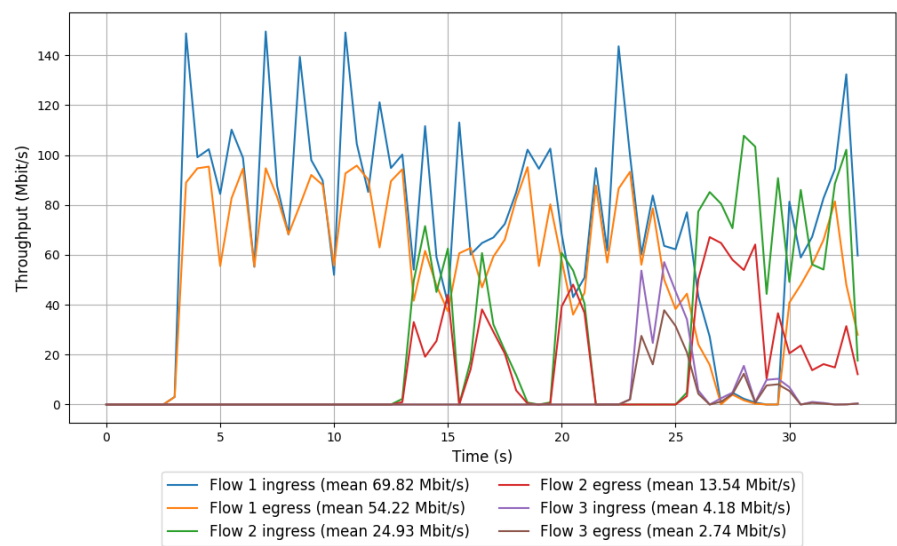
Average throughput: 2.74 Mbit/s

95th percentile per-packet one-way delay: 46.115 ms

Loss rate: 34.26%



Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:21:16 +0000

End at: Tue, 04 Jul 2017 19:21:46 +0000

Local clock offset: -0.67 ms

Remote clock offset: -15.075 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 67.46 Mbit/s

95th percentile per-packet one-way delay: 44.113 ms

Loss rate: 23.14%

-- Flow 1:

Average throughput: 49.23 Mbit/s

95th percentile per-packet one-way delay: 43.778 ms

Loss rate: 20.58%

-- Flow 2:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 44.530 ms

Loss rate: 29.30%

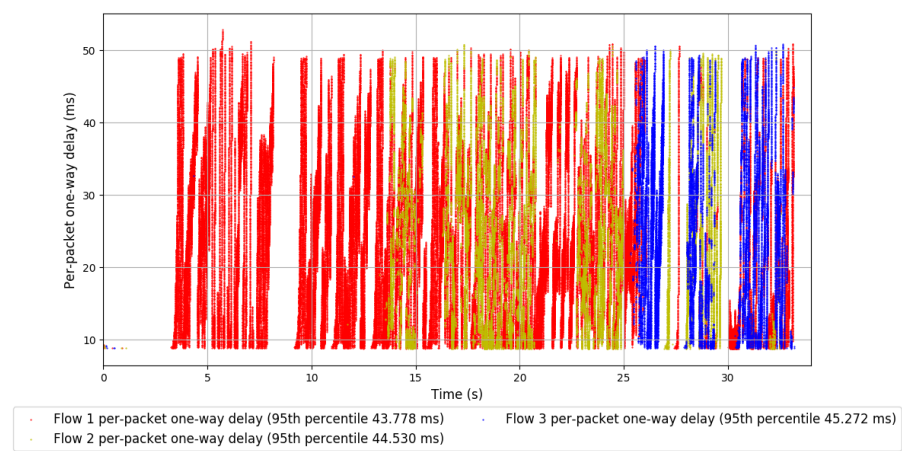
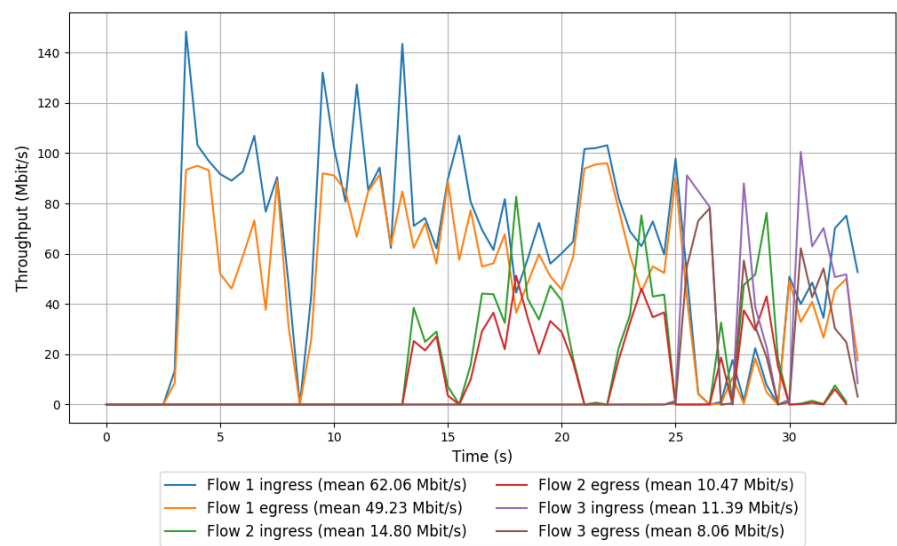
-- Flow 3:

Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 45.272 ms

Loss rate: 29.23%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:39:26 +0000

End at: Tue, 04 Jul 2017 19:39:56 +0000

Local clock offset: -1.105 ms

Remote clock offset: -13.913 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 52.66 Mbit/s

95th percentile per-packet one-way delay: 44.714 ms

Loss rate: 50.36%

-- Flow 1:

Average throughput: 21.41 Mbit/s

95th percentile per-packet one-way delay: 42.450 ms

Loss rate: 22.36%

-- Flow 2:

Average throughput: 27.48 Mbit/s

95th percentile per-packet one-way delay: 45.894 ms

Loss rate: 62.56%

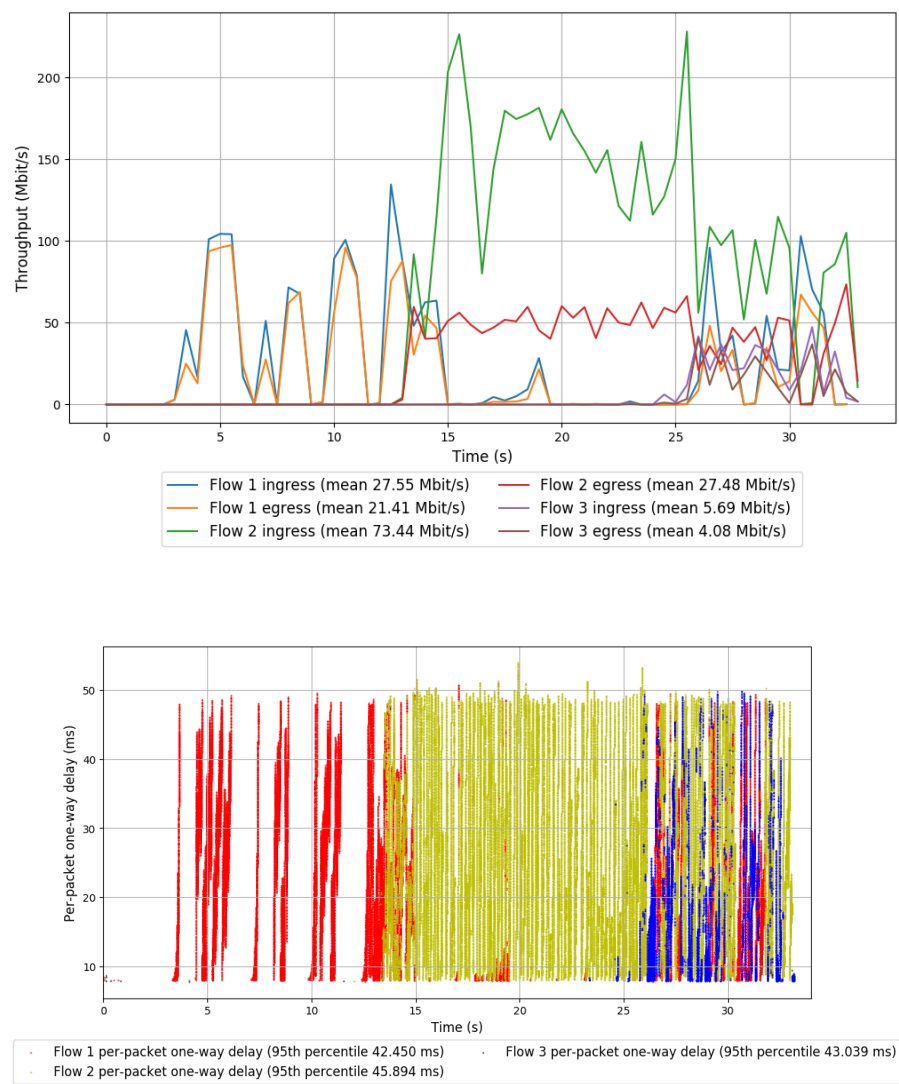
-- Flow 3:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 43.039 ms

Loss rate: 28.35%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:58:02 +0000

End at: Tue, 04 Jul 2017 19:58:32 +0000

Local clock offset: -1.909 ms

Remote clock offset: -15.344 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 62.94 Mbit/s

95th percentile per-packet one-way delay: 44.037 ms

Loss rate: 43.57%

-- Flow 1:

Average throughput: 32.67 Mbit/s

95th percentile per-packet one-way delay: 44.293 ms

Loss rate: 46.08%

-- Flow 2:

Average throughput: 24.33 Mbit/s

95th percentile per-packet one-way delay: 41.817 ms

Loss rate: 24.08%

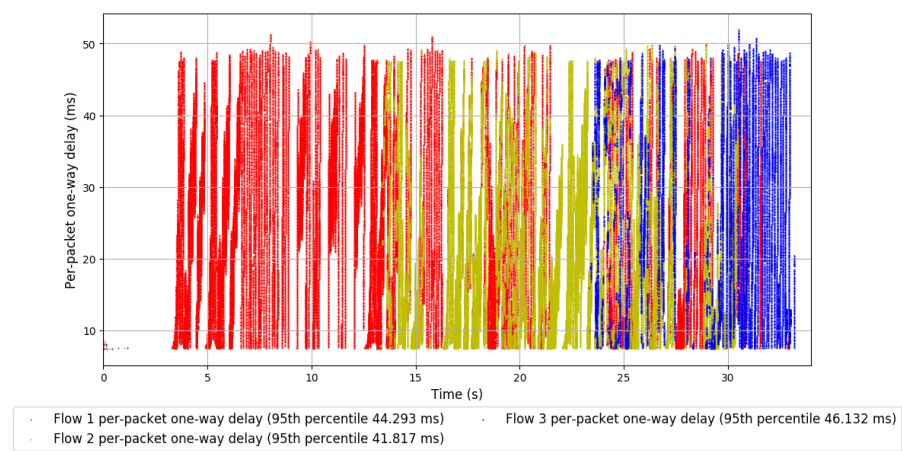
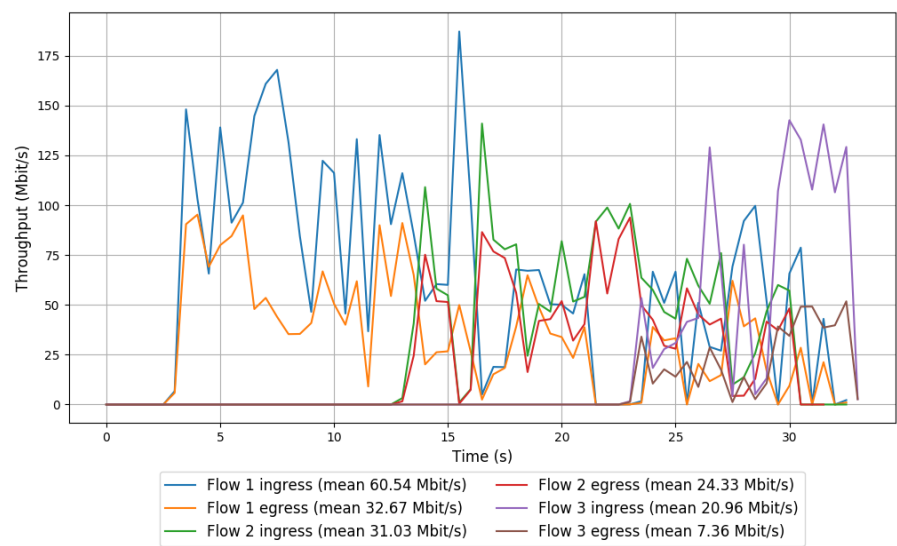
-- Flow 3:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 46.132 ms

Loss rate: 64.86%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:17:16 +0000

End at: Tue, 04 Jul 2017 20:17:46 +0000

Local clock offset: 1.583 ms

Remote clock offset: -15.969 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 42.642 ms

Loss rate: 26.28%

-- Flow 1:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 42.444 ms

Loss rate: 26.36%

-- Flow 2:

Average throughput: 23.08 Mbit/s

95th percentile per-packet one-way delay: 42.966 ms

Loss rate: 24.23%

-- Flow 3:

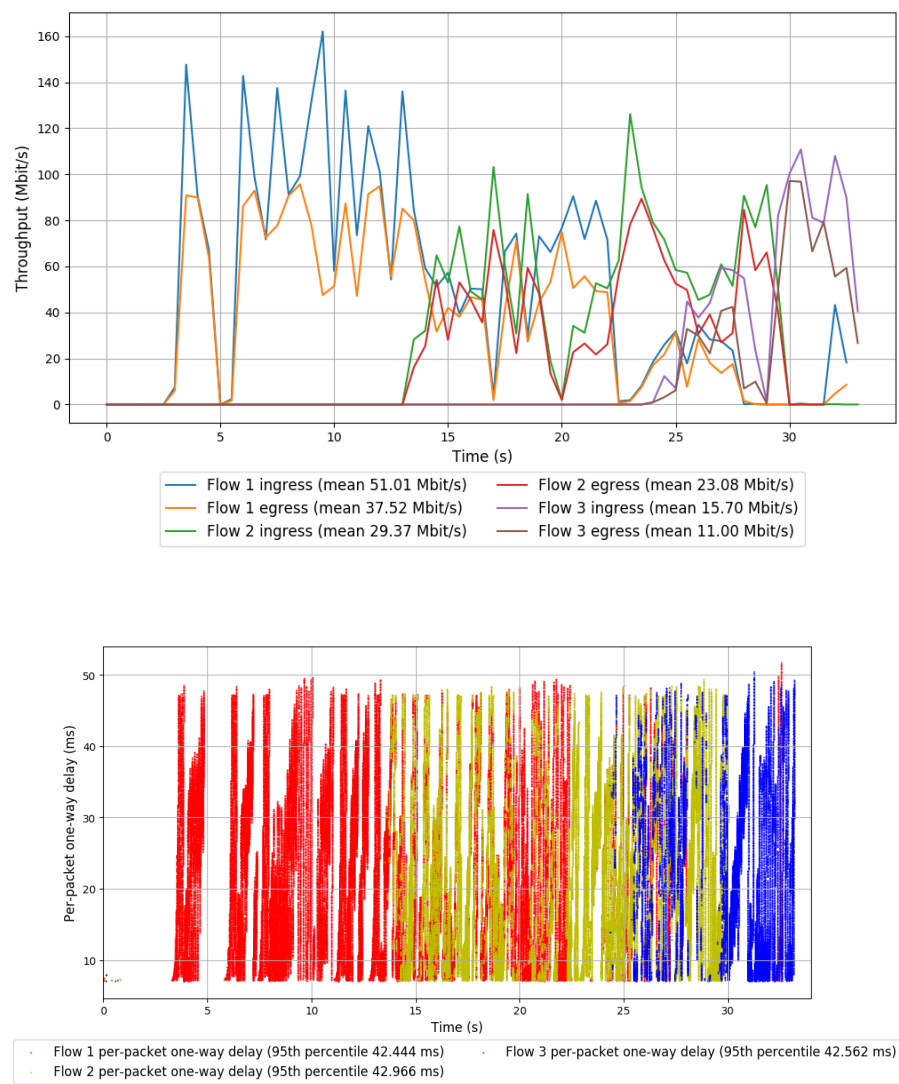
Average throughput: 11.00 Mbit/s

95th percentile per-packet one-way delay: 42.562 ms

Loss rate: 29.83%



Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:36:33 +0000

End at: Tue, 04 Jul 2017 20:37:03 +0000

Local clock offset: -2.578 ms

Remote clock offset: -15.033 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.63 Mbit/s

95th percentile per-packet one-way delay: 42.783 ms

Loss rate: 36.61%

-- Flow 1:

Average throughput: 40.87 Mbit/s

95th percentile per-packet one-way delay: 41.847 ms

Loss rate: 22.24%

-- Flow 2:

Average throughput: 21.39 Mbit/s

95th percentile per-packet one-way delay: 43.932 ms

Loss rate: 49.10%

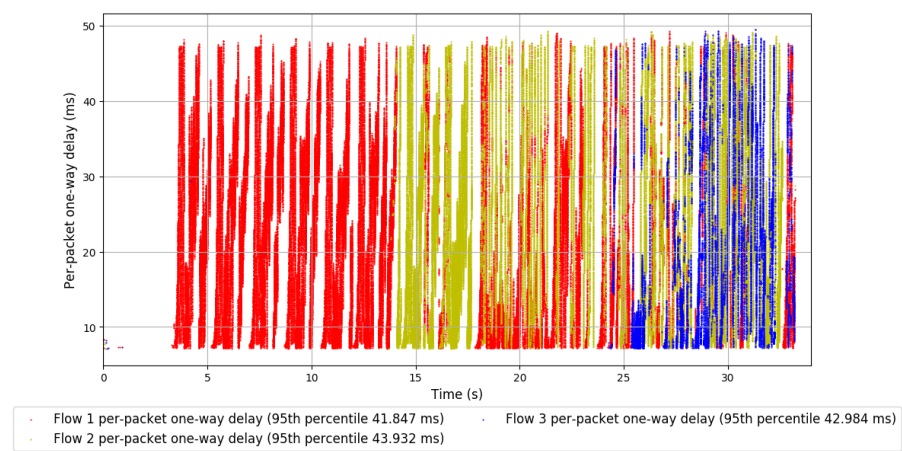
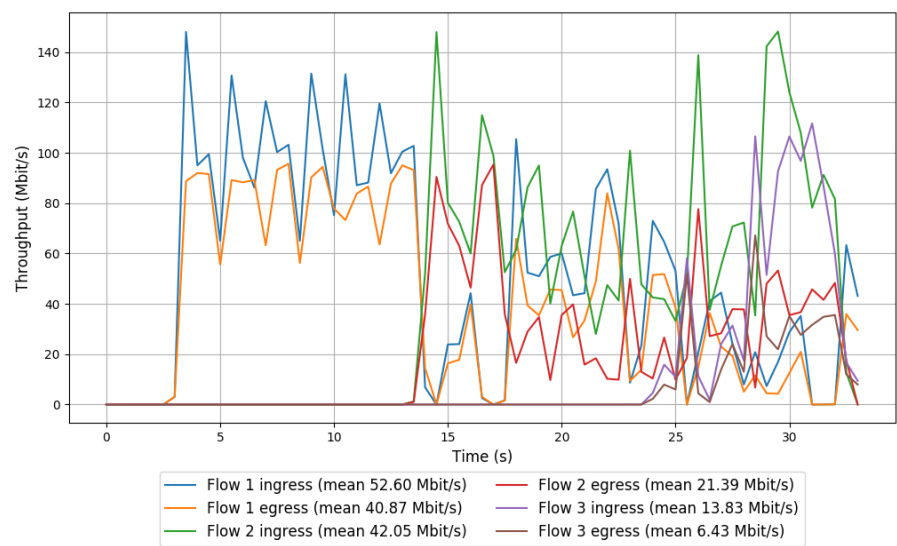
-- Flow 3:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 42.984 ms

Loss rate: 53.47%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:55:34 +0000

End at: Tue, 04 Jul 2017 20:56:04 +0000

Local clock offset: 0.812 ms

Remote clock offset: -16.328 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.09 Mbit/s

95th percentile per-packet one-way delay: 43.997 ms

Loss rate: 26.46%

-- Flow 1:

Average throughput: 34.20 Mbit/s

95th percentile per-packet one-way delay: 44.008 ms

Loss rate: 30.40%

-- Flow 2:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 43.835 ms

Loss rate: 18.55%

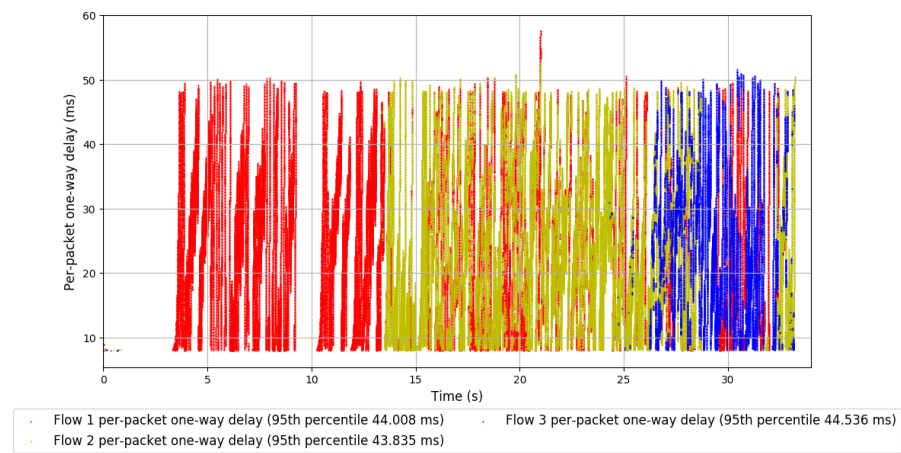
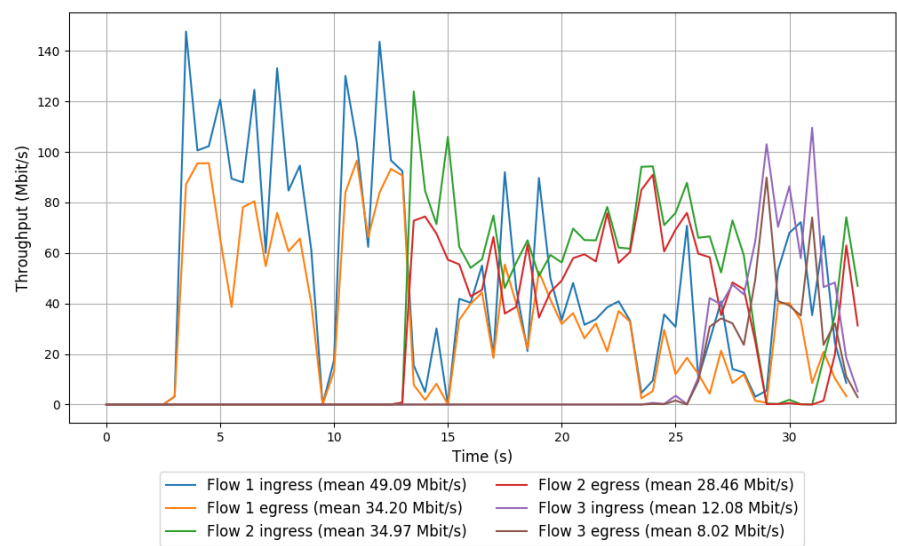
-- Flow 3:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 44.536 ms

Loss rate: 33.57%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:14:00 +0000

End at: Tue, 04 Jul 2017 21:14:30 +0000

Local clock offset: 0.506 ms

Remote clock offset: -15.214 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.95 Mbit/s

95th percentile per-packet one-way delay: 44.087 ms

Loss rate: 26.00%

-- Flow 1:

Average throughput: 45.32 Mbit/s

95th percentile per-packet one-way delay: 44.023 ms

Loss rate: 24.79%

-- Flow 2:

Average throughput: 13.95 Mbit/s

95th percentile per-packet one-way delay: 44.833 ms

Loss rate: 32.40%

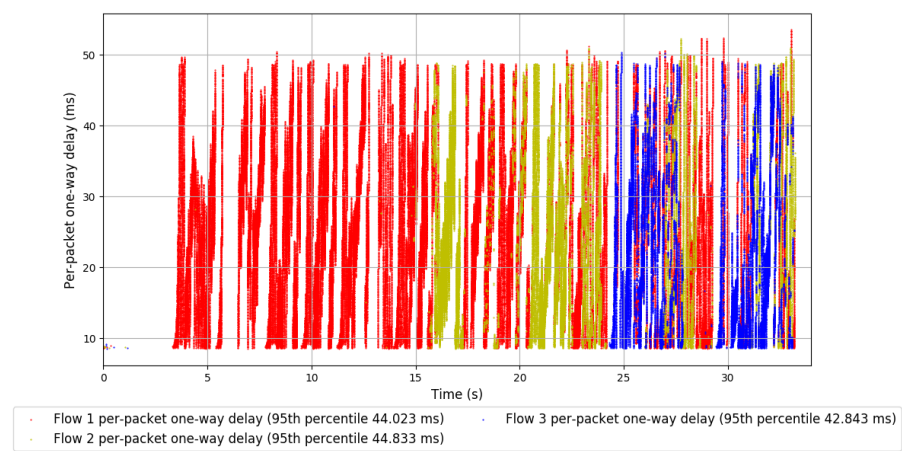
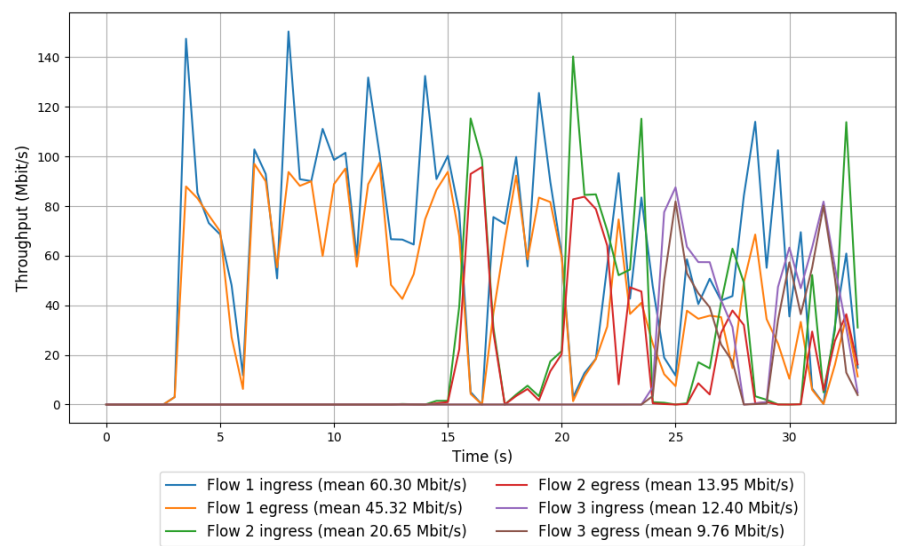
-- Flow 3:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 42.843 ms

Loss rate: 21.21%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:32:33 +0000

End at: Tue, 04 Jul 2017 21:33:03 +0000

Local clock offset: 1.081 ms

Remote clock offset: -15.839 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 43.054 ms

Loss rate: 29.62%

-- Flow 1:

Average throughput: 57.15 Mbit/s

95th percentile per-packet one-way delay: 42.194 ms

Loss rate: 21.58%

-- Flow 2:

Average throughput: 13.71 Mbit/s

95th percentile per-packet one-way delay: 45.283 ms

Loss rate: 50.75%

-- Flow 3:

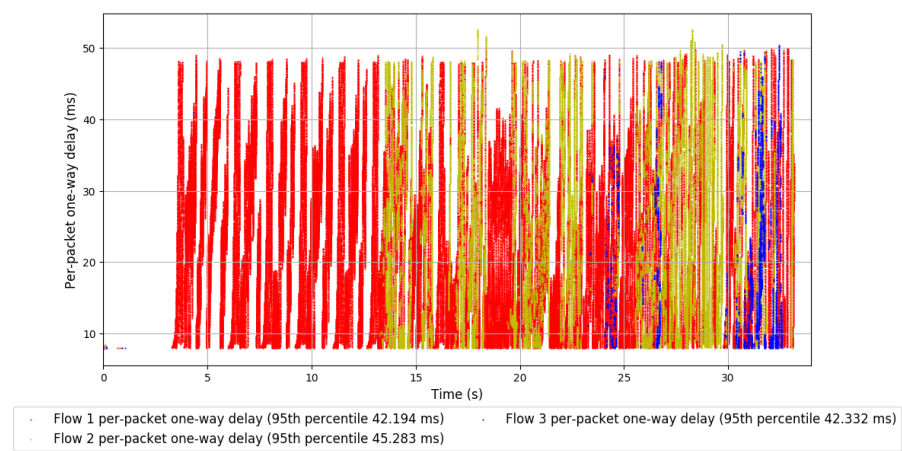
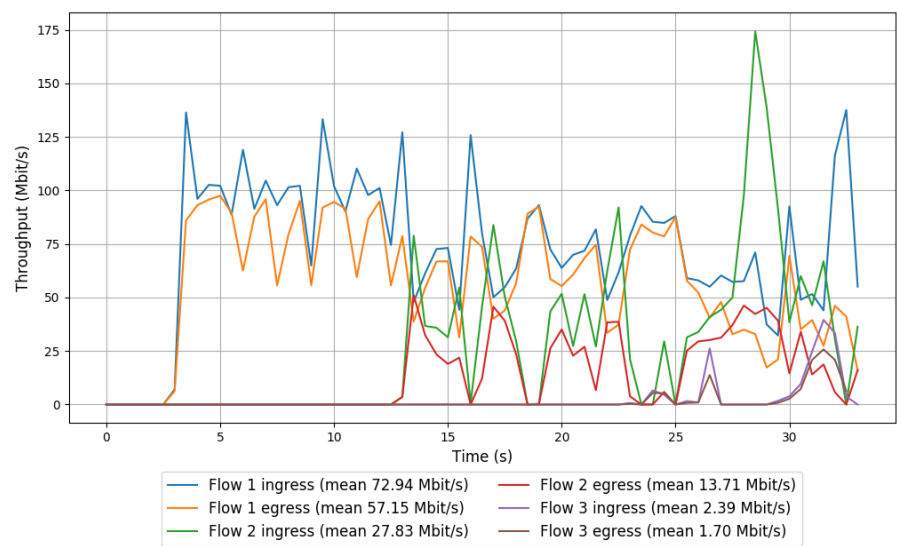
Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 42.332 ms

Loss rate: 29.37%



Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 18:48:27 +0000

End at: Tue, 04 Jul 2017 18:48:57 +0000

Local clock offset: 0.579 ms

Remote clock offset: -16.712 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 11.486 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 11.243 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 11.647 ms

Loss rate: 0.00%

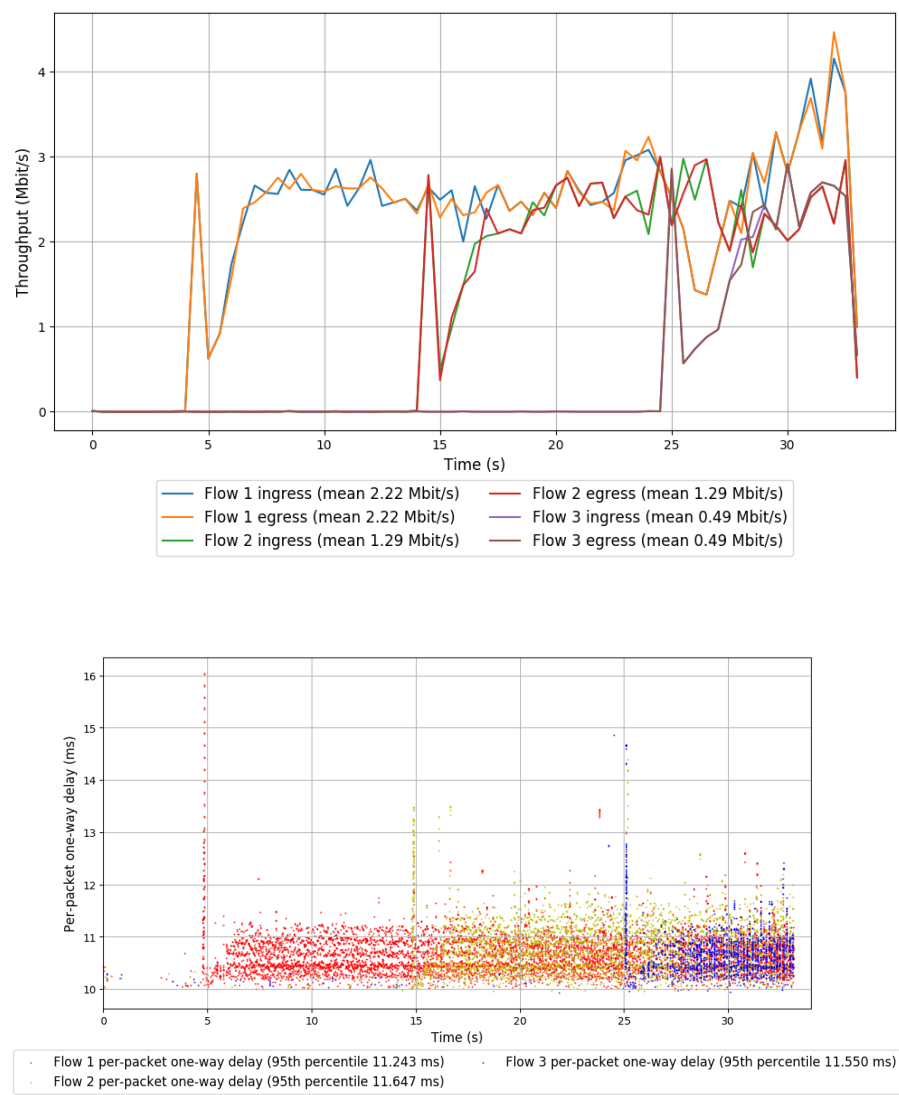
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 11.550 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

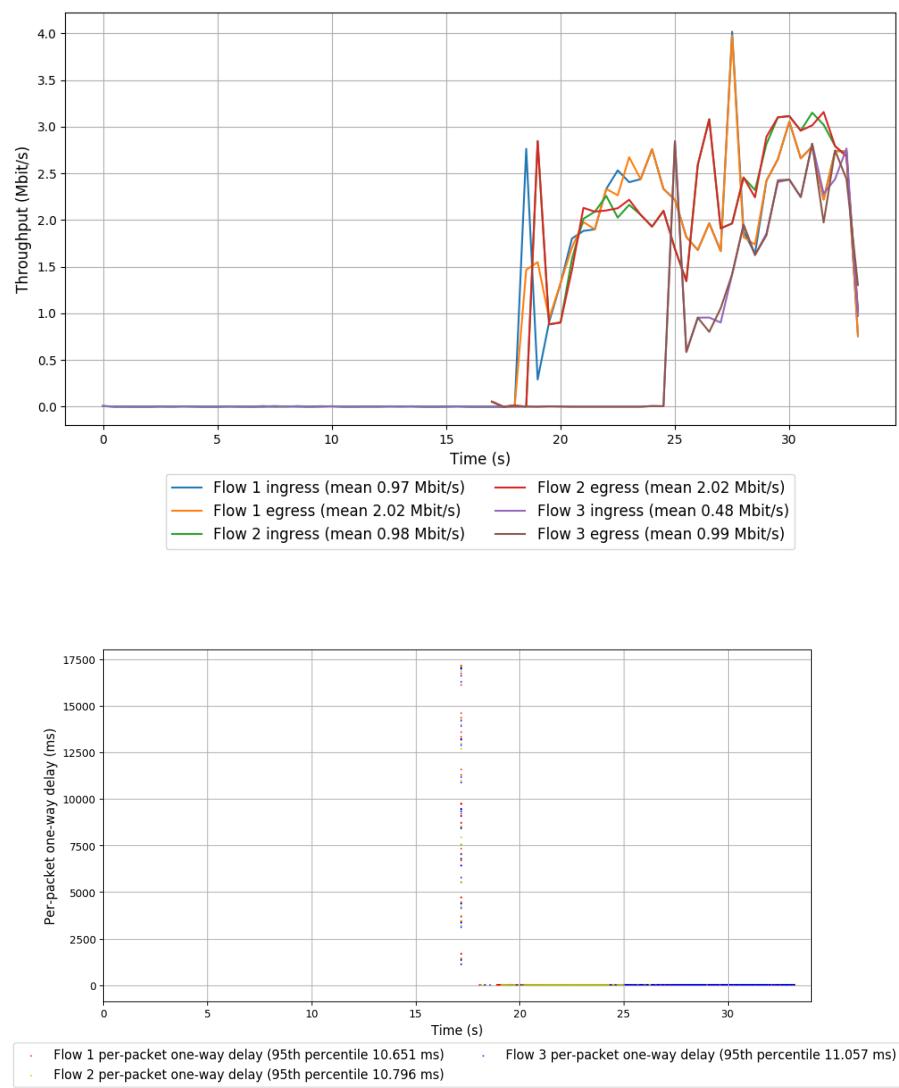
Start at: Tue, 04 Jul 2017 19:06:44 +0000

End at: Tue, 04 Jul 2017 19:07:14 +0000

Local clock offset: 1.77 ms

Remote clock offset: -16.786 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 19:25:02 +0000

End at: Tue, 04 Jul 2017 19:25:32 +0000

Local clock offset: 2.059 ms

Remote clock offset: -16.163 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 9.642 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 9.520 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 9.679 ms

Loss rate: 0.00%

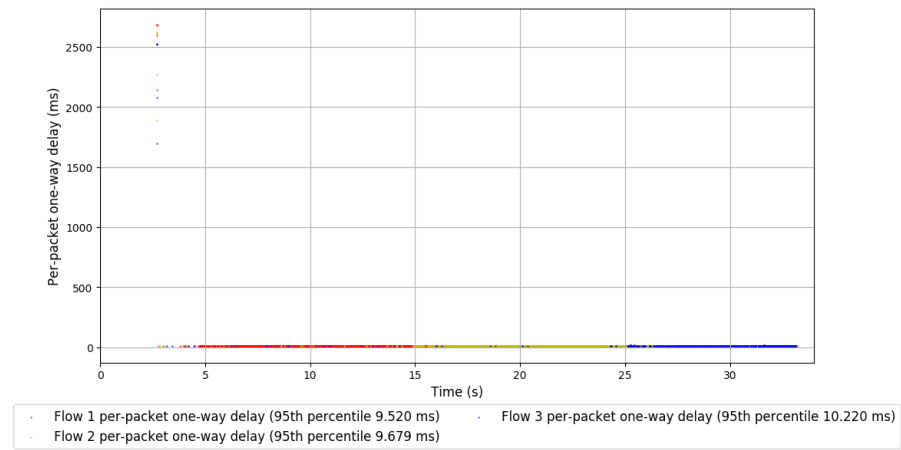
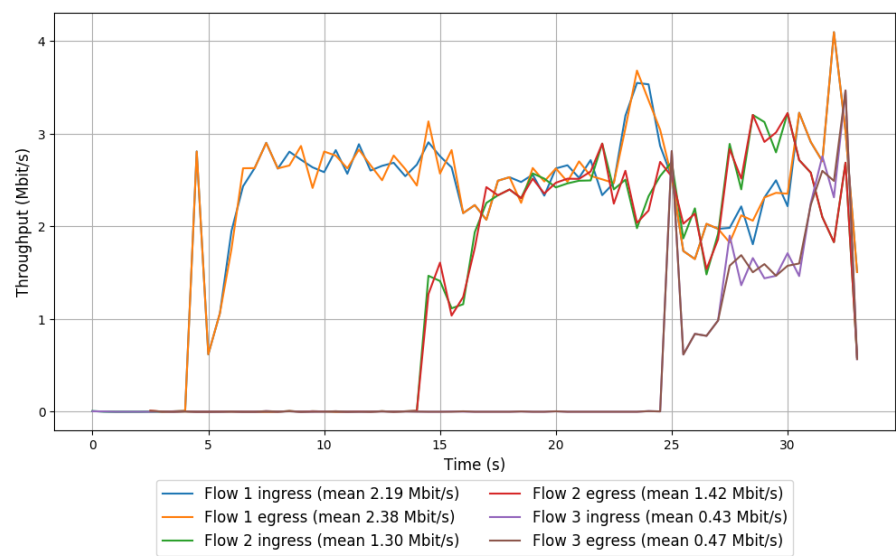
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 10.220 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 19:43:15 +0000

End at: Tue, 04 Jul 2017 19:43:45 +0000

Local clock offset: 0.667 ms

Remote clock offset: -16.937 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 8.863 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 8.880 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 8.676 ms

Loss rate: 0.00%

-- Flow 3:

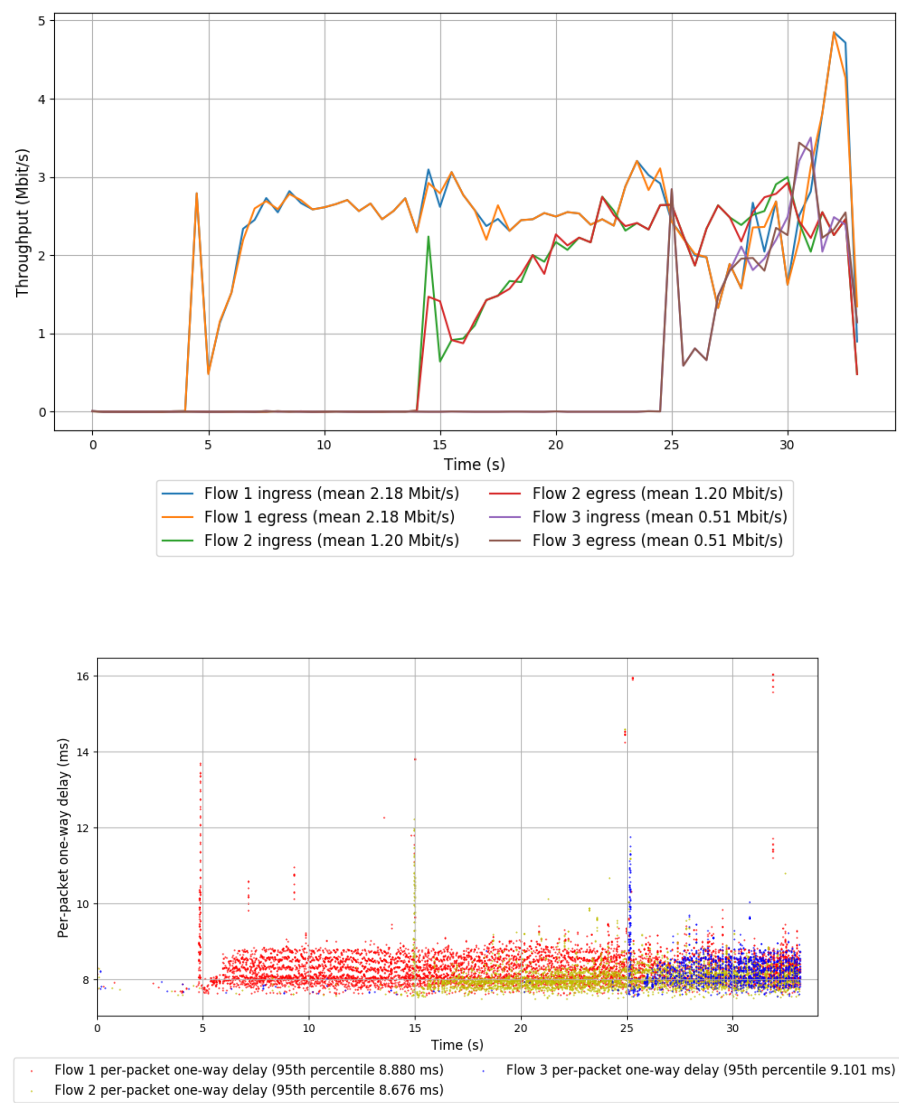
Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 9.101 ms

Loss rate: 0.00%



Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:02:11 +0000

End at: Tue, 04 Jul 2017 20:02:41 +0000

Local clock offset: -0.231 ms

Remote clock offset: -15.368 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:47:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 8.654 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 8.536 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 8.773 ms

Loss rate: 0.00%

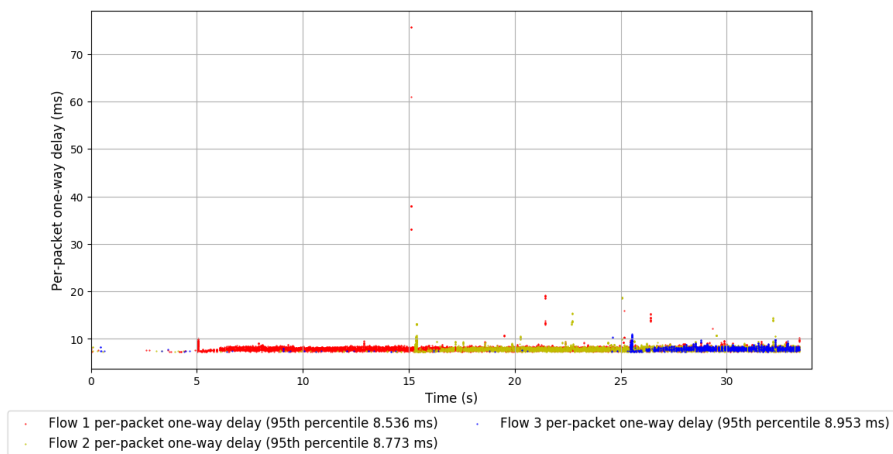
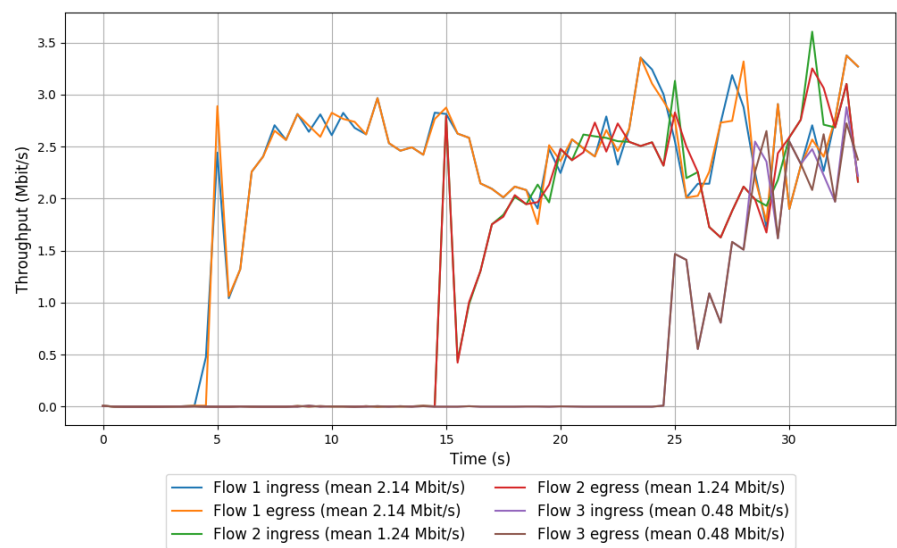
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 8.953 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:21:18 +0000

End at: Tue, 04 Jul 2017 20:21:48 +0000

Local clock offset: -1.833 ms

Remote clock offset: -15.081 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:48:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 8.156 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 8.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 8.026 ms

Loss rate: 0.00%

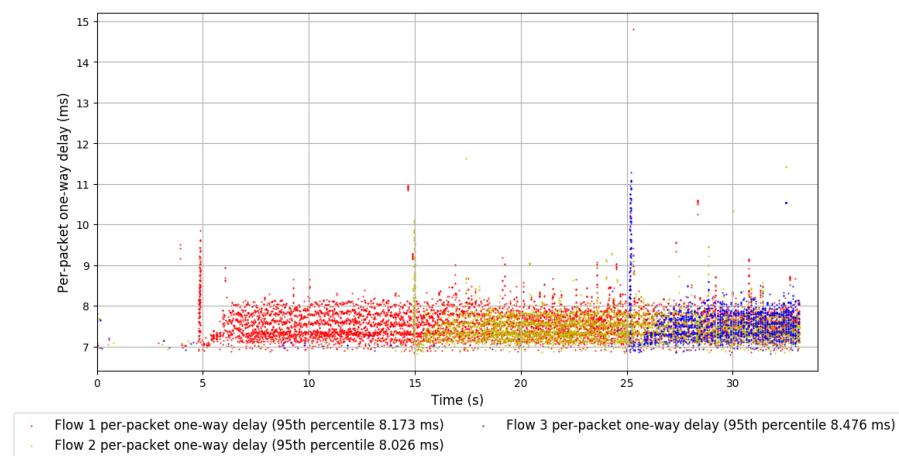
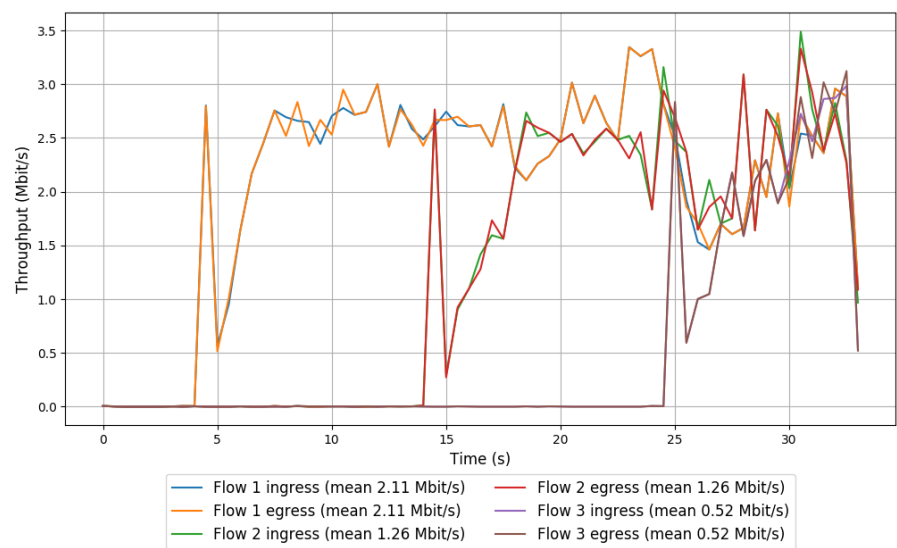
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 8.476 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:40:17 +0000

End at: Tue, 04 Jul 2017 20:40:47 +0000

Local clock offset: 1.938 ms

Remote clock offset: -16.871 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:48:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 8.555 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 8.420 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 8.594 ms

Loss rate: 0.00%

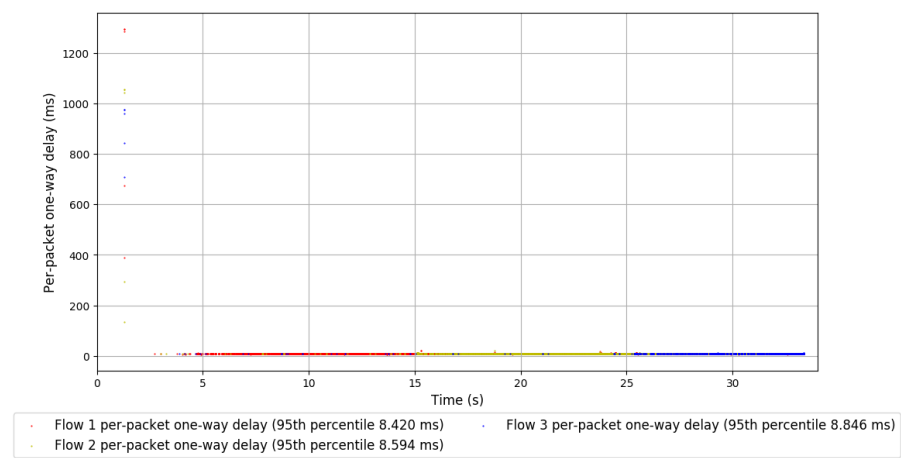
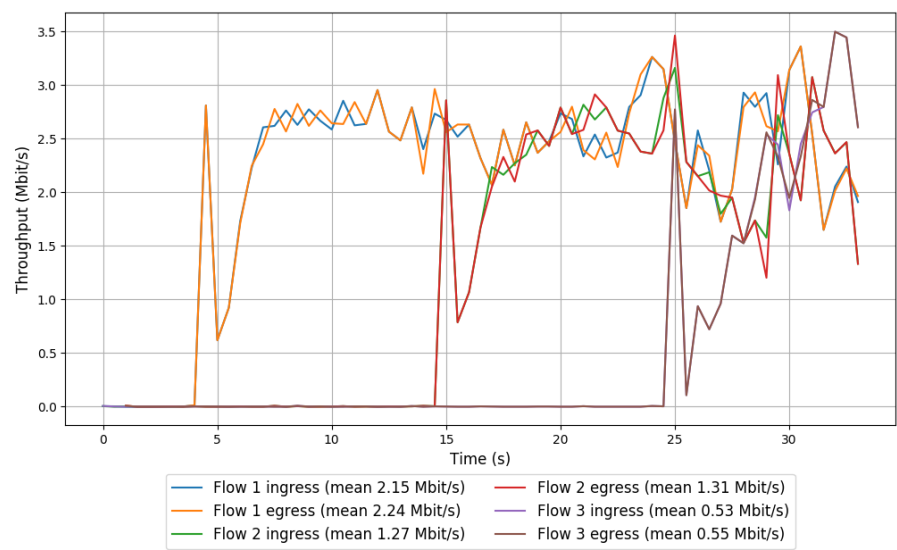
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 8.846 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:59:28 +0000

End at: Tue, 04 Jul 2017 20:59:58 +0000

Local clock offset: -2.205 ms

Remote clock offset: -16.852 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:48:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 9.202 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 9.163 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 9.200 ms

Loss rate: 0.00%

-- Flow 3:

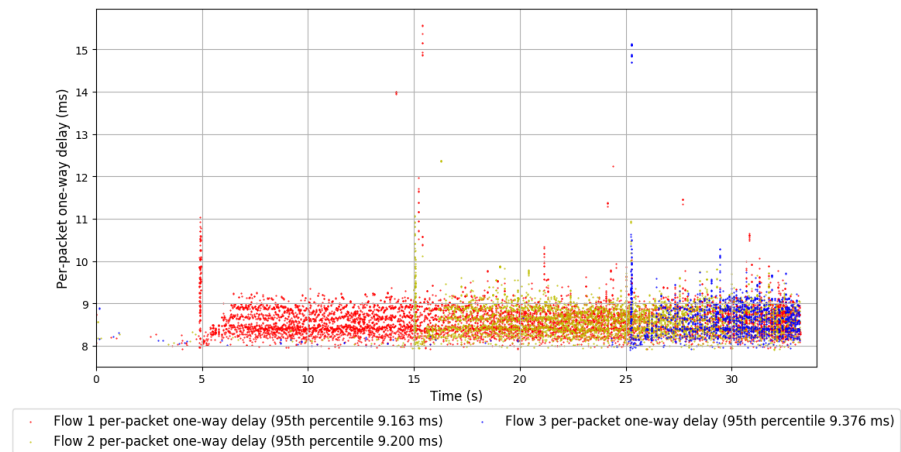
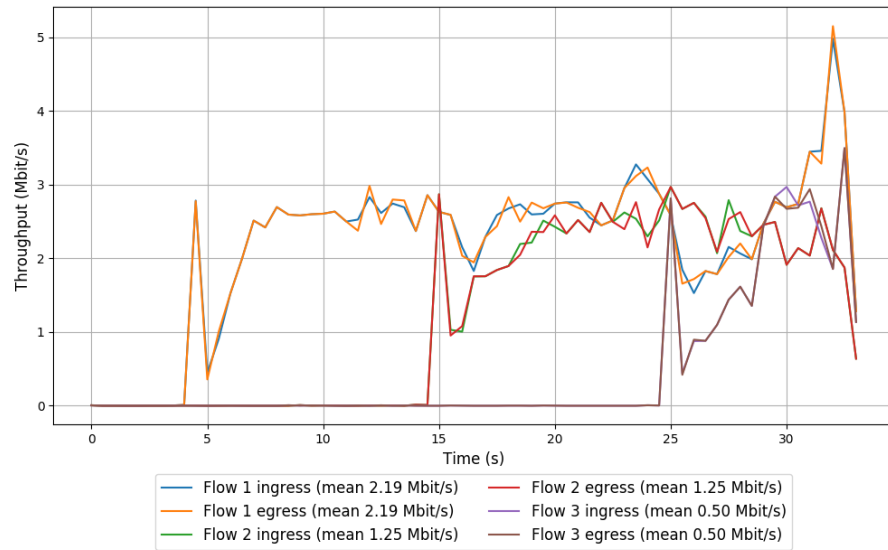
Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 9.376 ms

Loss rate: 0.00%



## Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:17:57 +0000

End at: Tue, 04 Jul 2017 21:18:28 +0000

Local clock offset: -1.278 ms

Remote clock offset: -16.4 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:48:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 9.766 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 9.647 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 9.809 ms

Loss rate: 0.00%

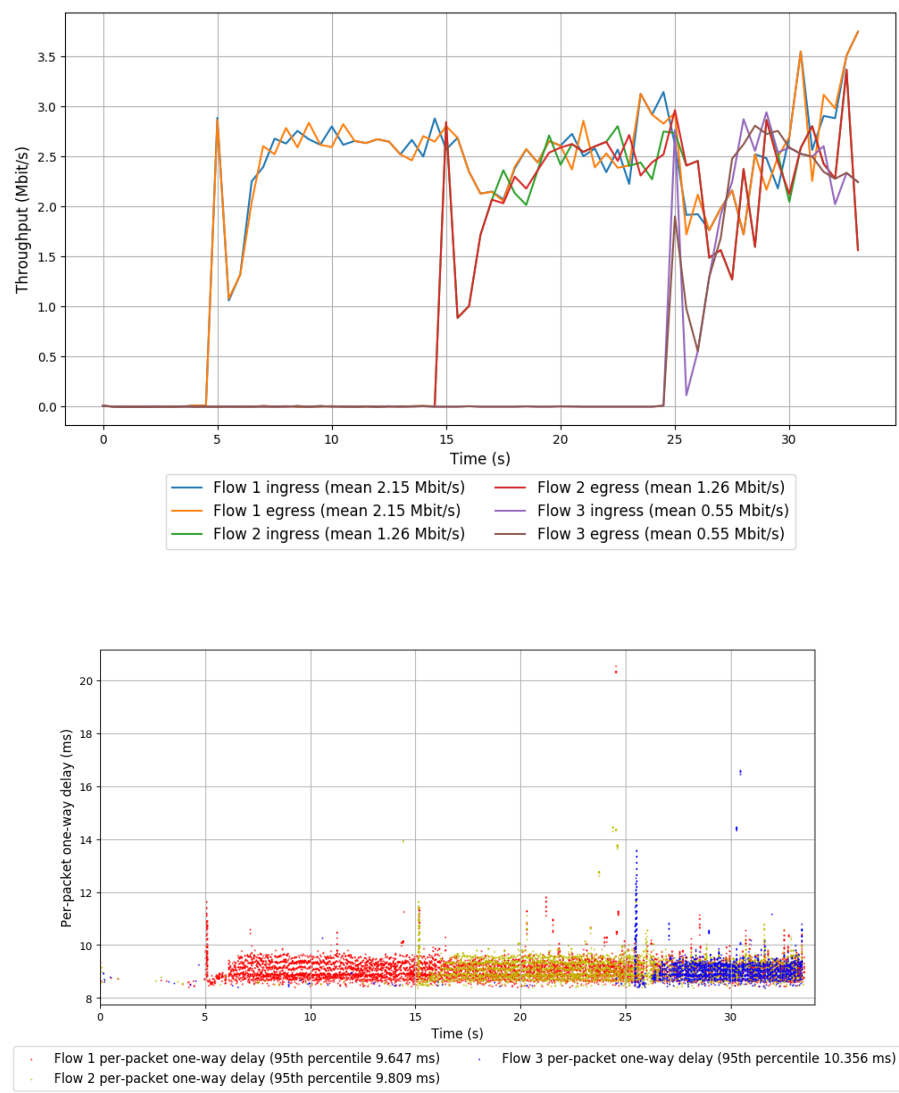
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 10.356 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:36:38 +0000

End at: Tue, 04 Jul 2017 21:37:08 +0000

Local clock offset: -2.331 ms

Remote clock offset: -15.859 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:48:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 9.139 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 9.039 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 9.145 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 9.608 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

