

## Pantheon Report

Generated at 2017-10-12 09:48:43 (UTC).

Data path: India Ethernet (*remote*) → AWS India 1 Ethernet (*local*).

Repeated the test of 14 congestion control schemes 10 times.

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

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

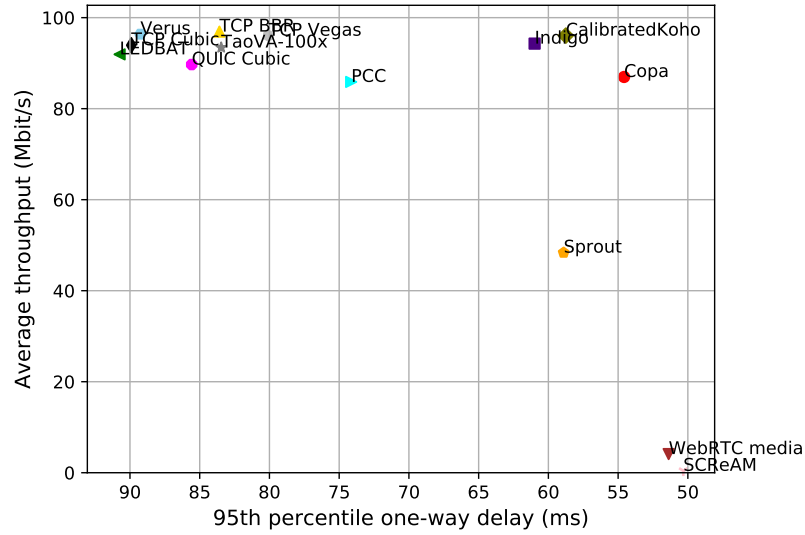
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

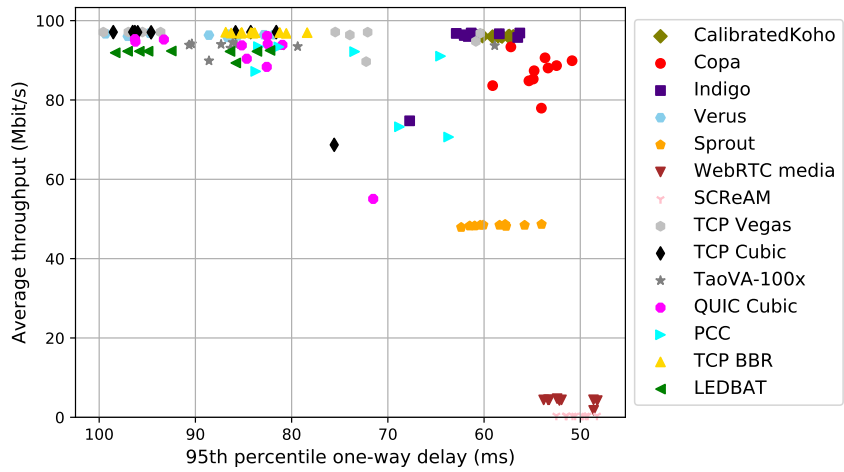
Git summary:

```
branch: indigos @ 45998d6404be7c5106956530acb9cfc43bd06e7d
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
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 India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.46	41.16	33.36	81.11	82.18	85.99	0.10	0.22	0.56
TCP Cubic	9	51.87	46.57	34.74	108.55	82.57	85.30	0.10	0.32	0.84
LEDBAT	9	56.76	37.55	29.41	85.67	88.50	86.23	0.16	0.41	0.96
PCC	7	58.42	37.38	17.63	775.05	68.73	74.38	0.06	0.14	0.35
QUIC Cubic	10	50.97	42.13	32.64	81.07	83.61	83.69	0.11	0.24	0.62
SCReAM	10	0.21	0.21	0.21	50.60	50.15	50.16	0.08	0.13	0.14
WebRTC media	9	2.12	1.40	0.65	51.30	51.36	51.61	0.13	0.14	0.41
Sprout	10	24.32	24.25	23.85	58.49	58.99	59.71	0.11	0.15	0.24
TaoVA-100x	10	59.88	38.92	30.23	74.29	82.43	80.79	0.11	0.24	0.71
TCP Vegas	10	57.94	41.36	31.74	77.02	75.85	73.02	0.08	0.17	0.49
Verus	9	58.56	41.24	31.63	88.52	84.39	87.06	0.10	0.25	0.68
Copa	10	54.03	40.50	24.59	54.37	54.62	55.32	0.05	0.15	0.35
CalibratedKoho	10	50.38	48.53	40.16	58.40	58.94	59.21	0.04	0.11	0.33
Indigo	10	56.38	40.48	31.29	61.26	60.04	59.95	0.06	0.14	0.34

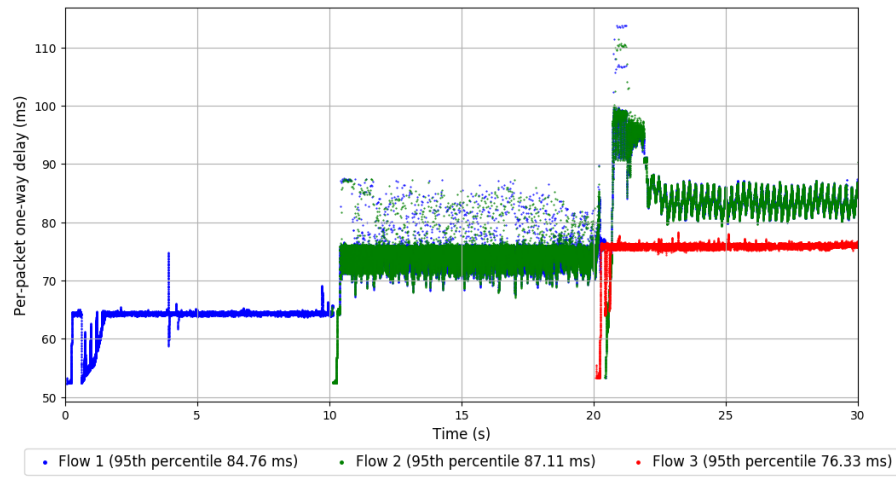
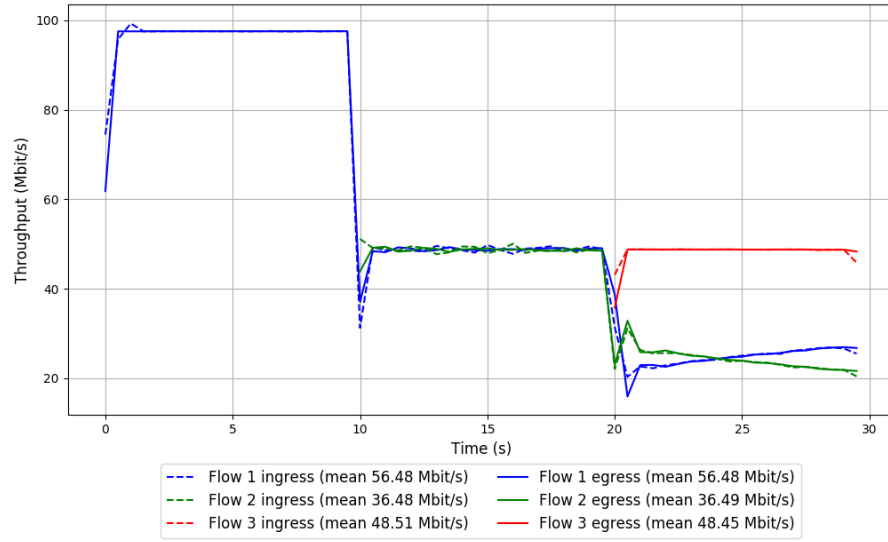
Run 1: Statistics of TCP BBR

Start at: 2017-10-12 03:49:47  
End at: 2017-10-12 03:50:17  
Local clock offset: 3.883 ms  
Remote clock offset: -37.617 ms

# Below is generated by plot.py at 2017-10-12 09:27:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.81 Mbit/s  
95th percentile per-packet one-way delay: 85.276 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 56.48 Mbit/s  
95th percentile per-packet one-way delay: 84.758 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 36.49 Mbit/s  
95th percentile per-packet one-way delay: 87.110 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 48.45 Mbit/s  
95th percentile per-packet one-way delay: 76.331 ms  
Loss rate: 0.51%



# Run 1: Report of TCP BBR — Data Link

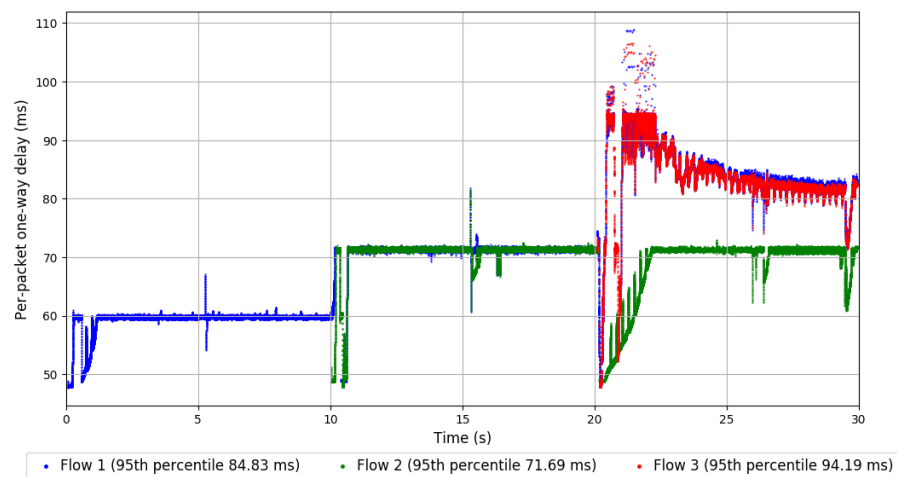
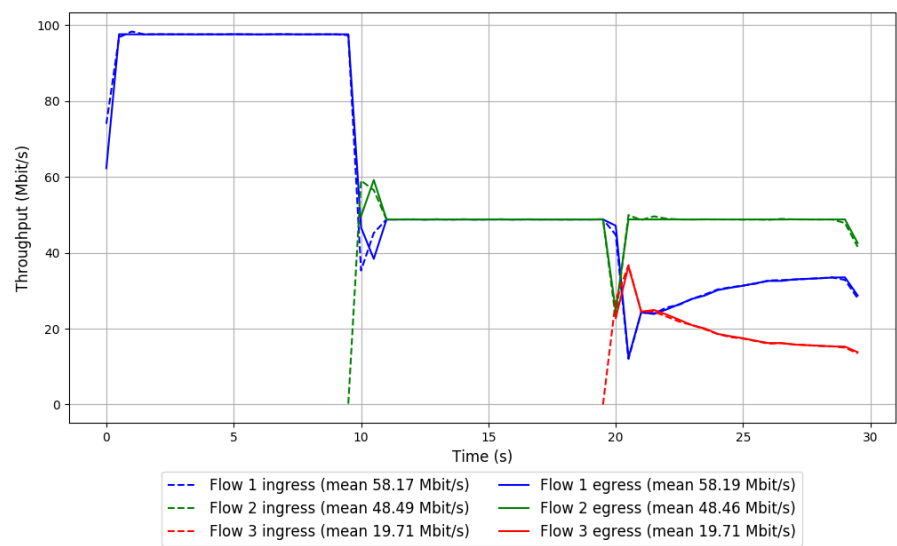


Run 2: Statistics of TCP BBR

Start at: 2017-10-12 04:06:39  
End at: 2017-10-12 04:07:09  
Local clock offset: 0.604 ms  
Remote clock offset: -35.492 ms

# Below is generated by plot.py at 2017-10-12 09:27:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.03 Mbit/s  
95th percentile per-packet one-way delay: 85.193 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 58.19 Mbit/s  
95th percentile per-packet one-way delay: 84.825 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 48.46 Mbit/s  
95th percentile per-packet one-way delay: 71.685 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 19.71 Mbit/s  
95th percentile per-packet one-way delay: 94.185 ms  
Loss rate: 0.51%

Run 2: Report of TCP BBR — Data Link

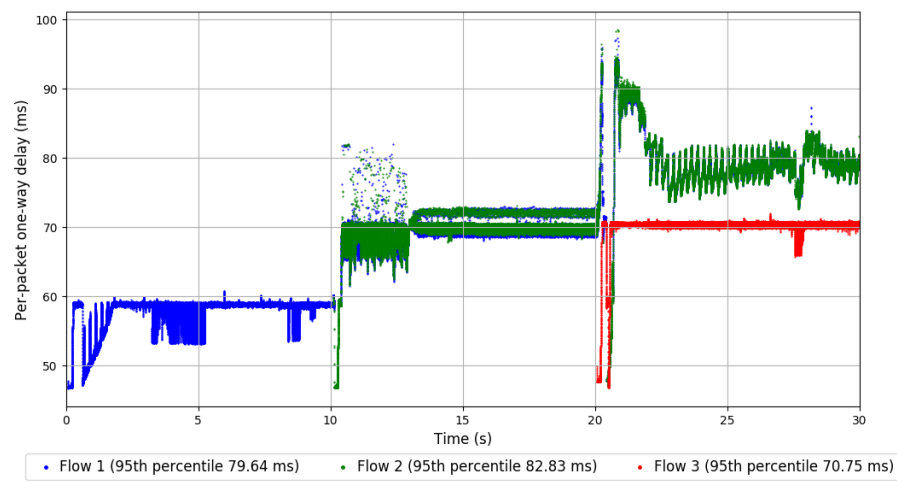
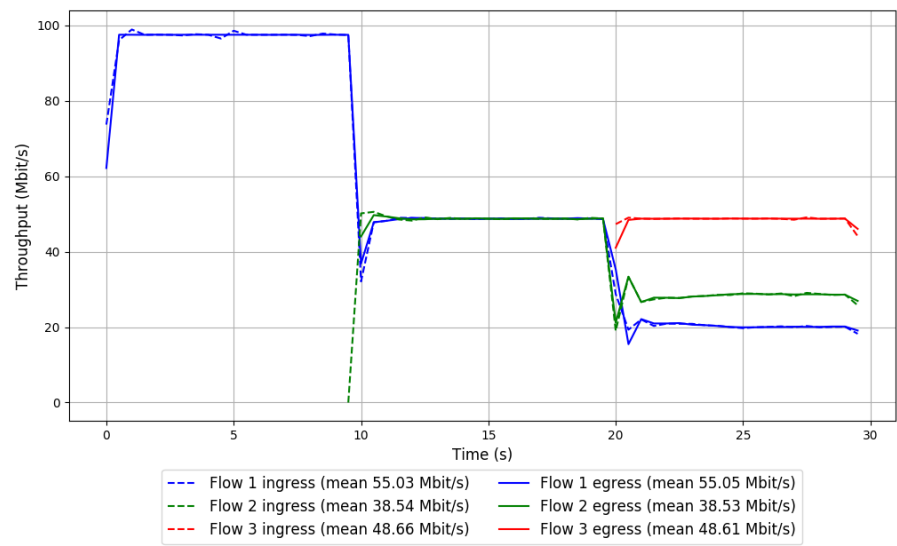


Run 3: Statistics of TCP BBR

Start at: 2017-10-12 04:23:31  
End at: 2017-10-12 04:24:01  
Local clock offset: 2.98 ms  
Remote clock offset: -31.236 ms

# Below is generated by plot.py at 2017-10-12 09:27:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.80 Mbit/s  
95th percentile per-packet one-way delay: 80.553 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 55.05 Mbit/s  
95th percentile per-packet one-way delay: 79.635 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 38.53 Mbit/s  
95th percentile per-packet one-way delay: 82.827 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 48.61 Mbit/s  
95th percentile per-packet one-way delay: 70.753 ms  
Loss rate: 0.51%

Run 3: Report of TCP BBR — Data Link

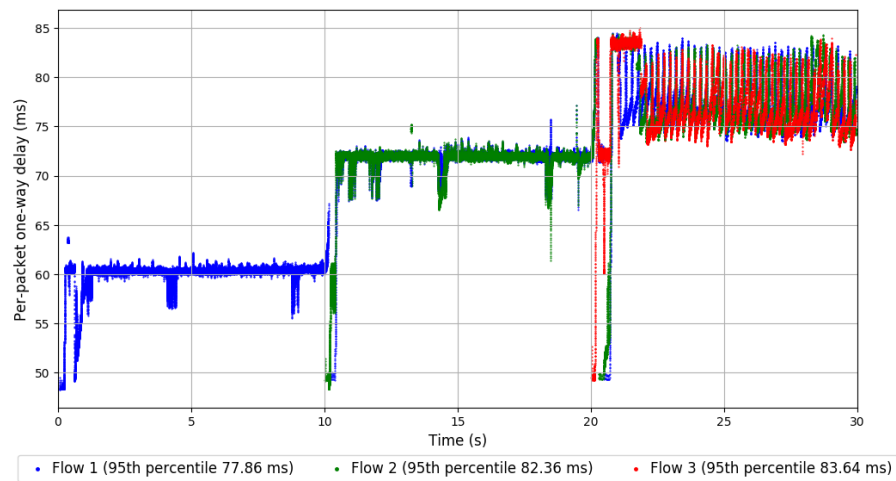
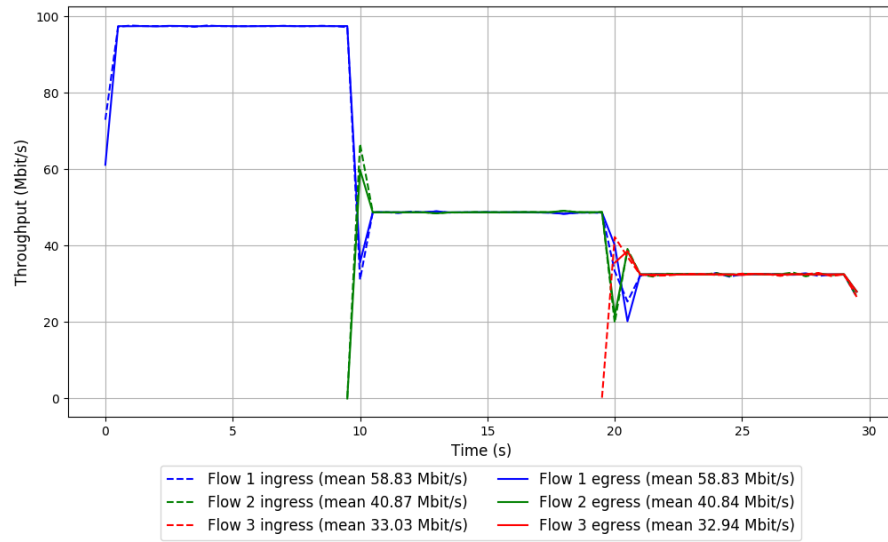


Run 4: Statistics of TCP BBR

Start at: 2017-10-12 04:41:19  
End at: 2017-10-12 04:41:49  
Local clock offset: 0.624 ms  
Remote clock offset: -34.488 ms

# Below is generated by plot.py at 2017-10-12 09:27:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.00 Mbit/s  
95th percentile per-packet one-way delay: 81.234 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 58.83 Mbit/s  
95th percentile per-packet one-way delay: 77.864 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.84 Mbit/s  
95th percentile per-packet one-way delay: 82.358 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 32.94 Mbit/s  
95th percentile per-packet one-way delay: 83.638 ms  
Loss rate: 0.53%

# Run 4: Report of TCP BBR — Data Link



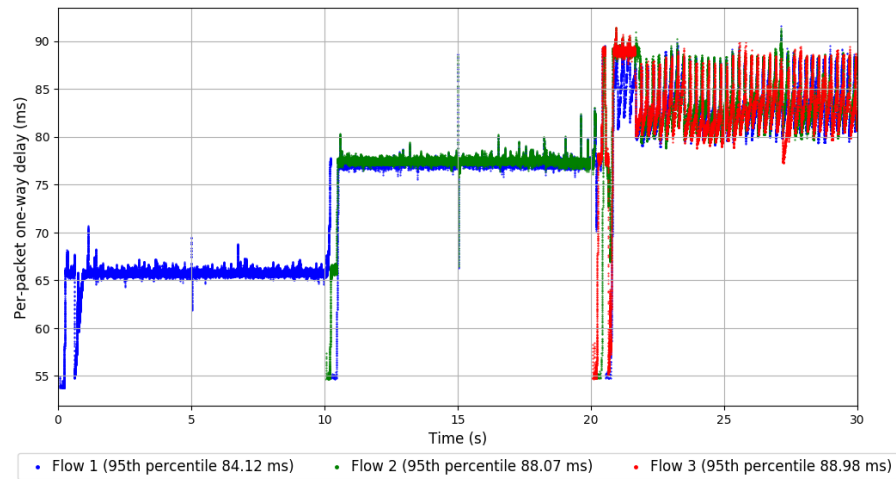
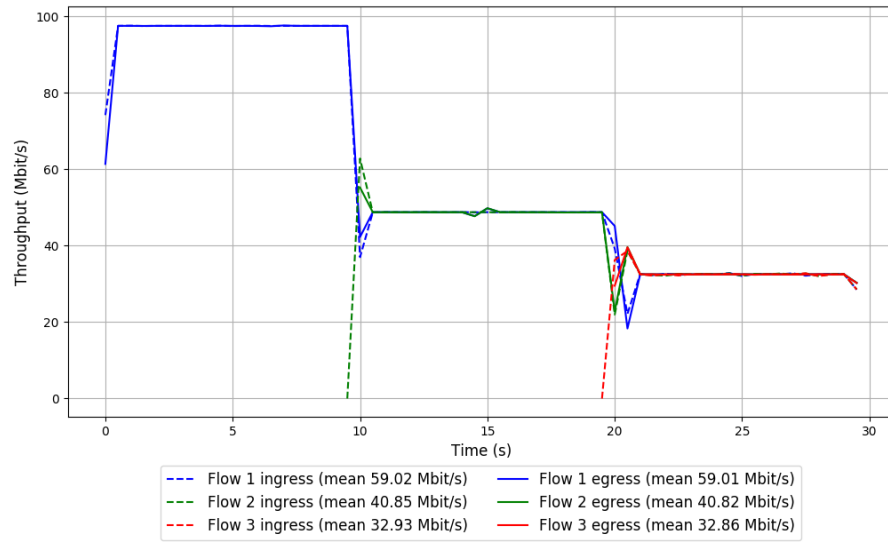
Run 5: Statistics of TCP BBR

Start at: 2017-10-12 04:59:41  
End at: 2017-10-12 05:00:11  
Local clock offset: 3.54 ms  
Remote clock offset: -34.249 ms

# Below is generated by plot.py at 2017-10-12 09:27:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.08 Mbit/s  
95th percentile per-packet one-way delay: 86.850 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 59.01 Mbit/s  
95th percentile per-packet one-way delay: 84.124 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.82 Mbit/s  
95th percentile per-packet one-way delay: 88.071 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 32.86 Mbit/s  
95th percentile per-packet one-way delay: 88.979 ms  
Loss rate: 0.56%



# Run 5: Report of TCP BBR — Data Link

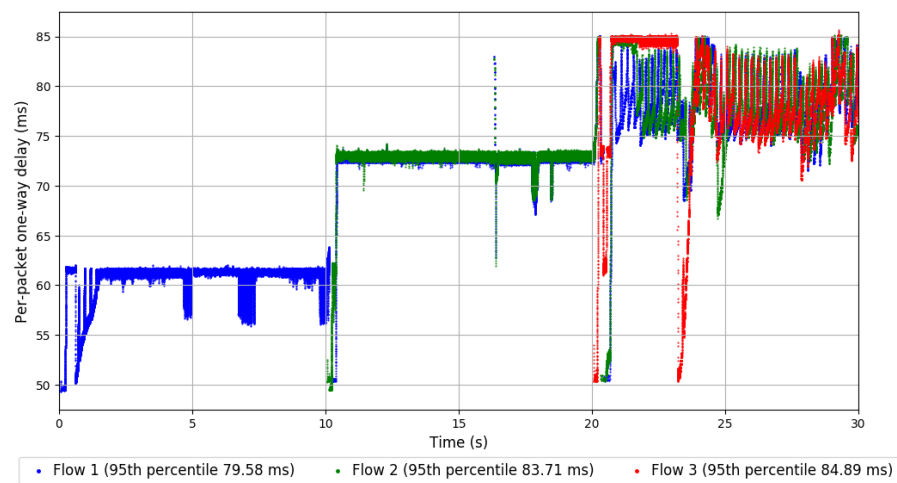
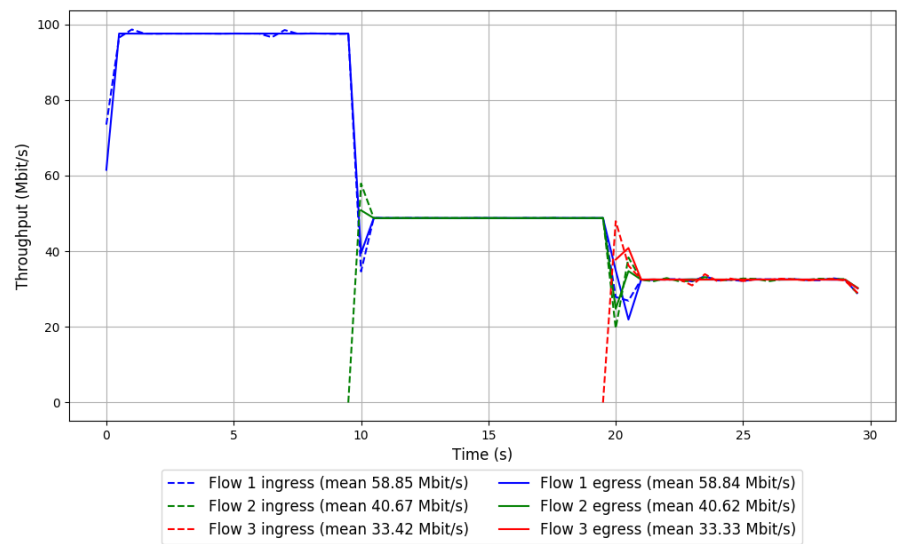


Run 6: Statistics of TCP BBR

Start at: 2017-10-12 05:17:03  
End at: 2017-10-12 05:17:33  
Local clock offset: 1.367 ms  
Remote clock offset: -29.189 ms

# Below is generated by plot.py at 2017-10-12 09:27:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.95 Mbit/s  
95th percentile per-packet one-way delay: 83.829 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 58.84 Mbit/s  
95th percentile per-packet one-way delay: 79.583 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.62 Mbit/s  
95th percentile per-packet one-way delay: 83.706 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 33.33 Mbit/s  
95th percentile per-packet one-way delay: 84.888 ms  
Loss rate: 0.55%

Run 6: Report of TCP BBR — Data Link

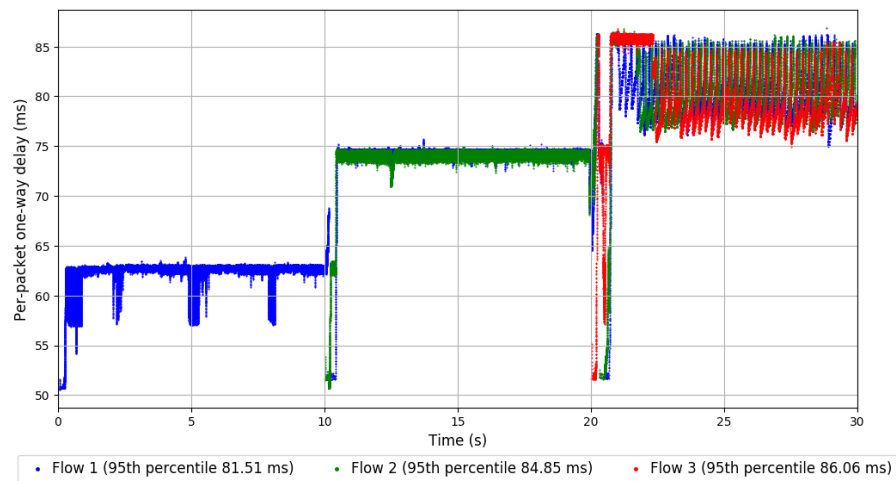
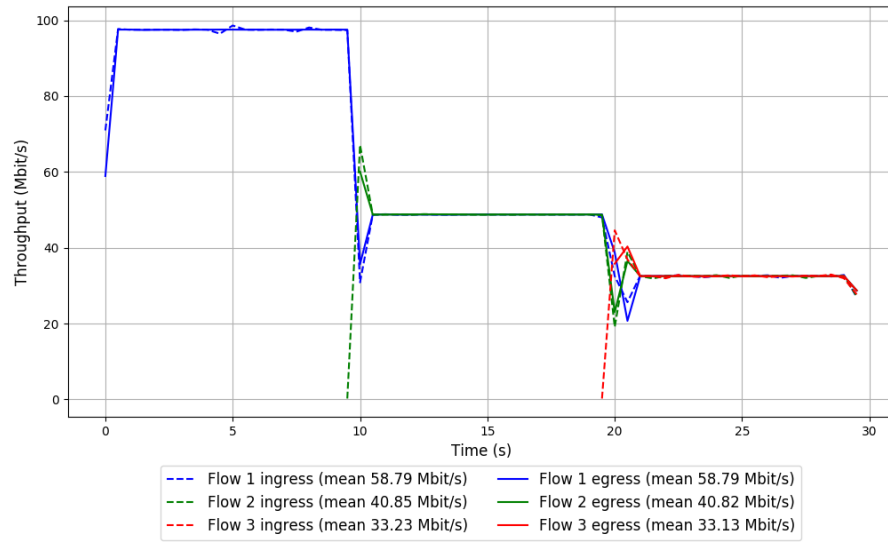


Run 7: Statistics of TCP BBR

Start at: 2017-10-12 05:36:47  
End at: 2017-10-12 05:37:17  
Local clock offset: 1.231 ms  
Remote clock offset: -27.679 ms

# Below is generated by plot.py at 2017-10-12 09:27:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.01 Mbit/s  
95th percentile per-packet one-way delay: 84.228 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 58.79 Mbit/s  
95th percentile per-packet one-way delay: 81.512 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.82 Mbit/s  
95th percentile per-packet one-way delay: 84.854 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 33.13 Mbit/s  
95th percentile per-packet one-way delay: 86.056 ms  
Loss rate: 0.59%

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



Run 8: Statistics of TCP BBR

Start at: 2017-10-12 05:55:21

End at: 2017-10-12 05:55:51

Local clock offset: 3.215 ms

Remote clock offset: -24.5 ms

# Below is generated by plot.py at 2017-10-12 09:27:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.87 Mbit/s

95th percentile per-packet one-way delay: 86.280 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 85.542 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 86.592 ms

Loss rate: 0.24%

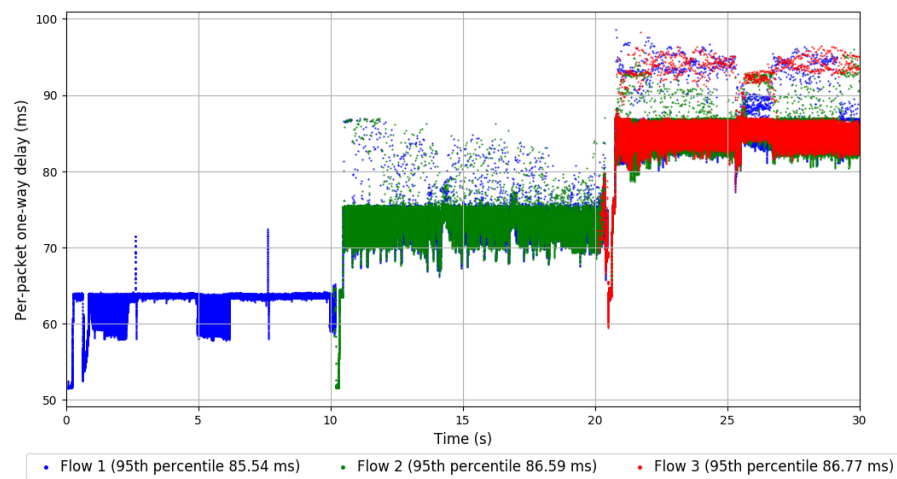
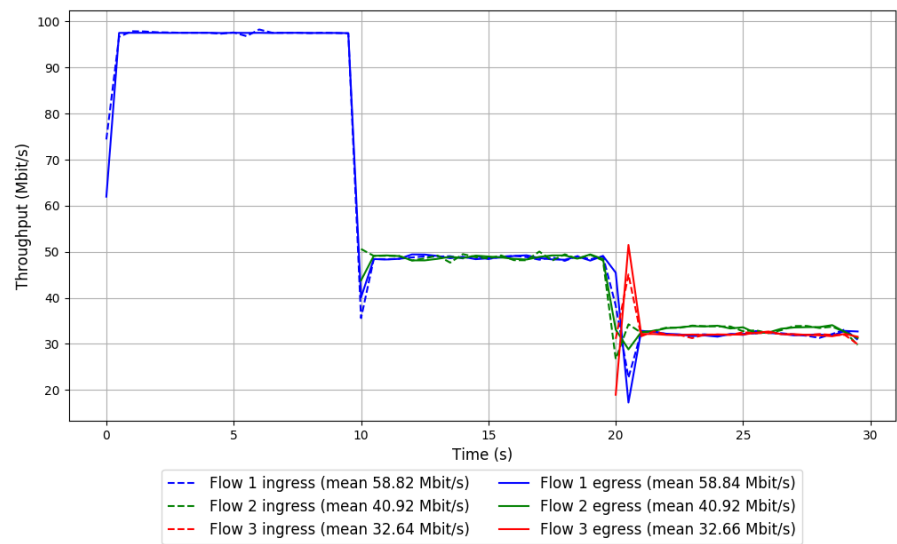
-- Flow 3:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 86.766 ms

Loss rate: 0.59%

Run 8: Report of TCP BBR — Data Link



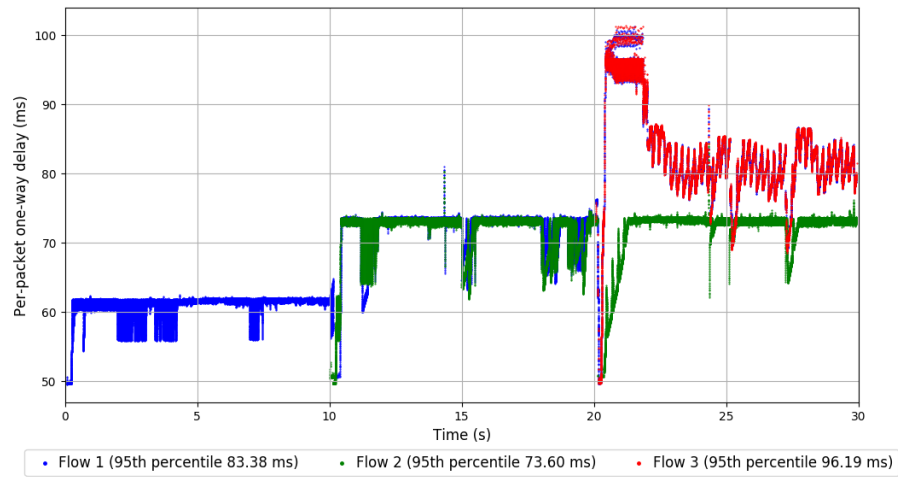
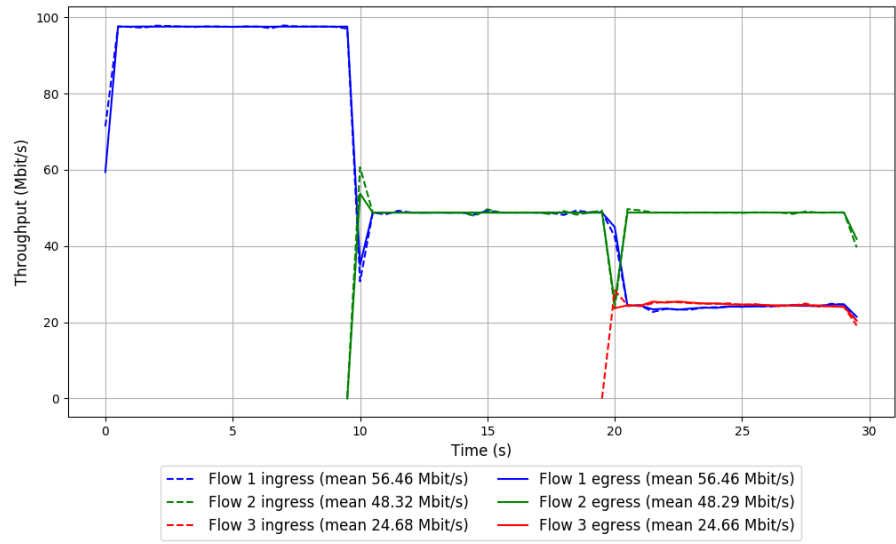
Run 9: Statistics of TCP BBR

Start at: 2017-10-12 06:12:34  
End at: 2017-10-12 06:13:04  
Local clock offset: 1.107 ms  
Remote clock offset: -21.245 ms

# Below is generated by plot.py at 2017-10-12 09:29:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.84 Mbit/s  
95th percentile per-packet one-way delay: 84.036 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 56.46 Mbit/s  
95th percentile per-packet one-way delay: 83.381 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 48.29 Mbit/s  
95th percentile per-packet one-way delay: 73.599 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 24.66 Mbit/s  
95th percentile per-packet one-way delay: 96.186 ms  
Loss rate: 0.57%



### Run 9: Report of TCP BBR — Data Link

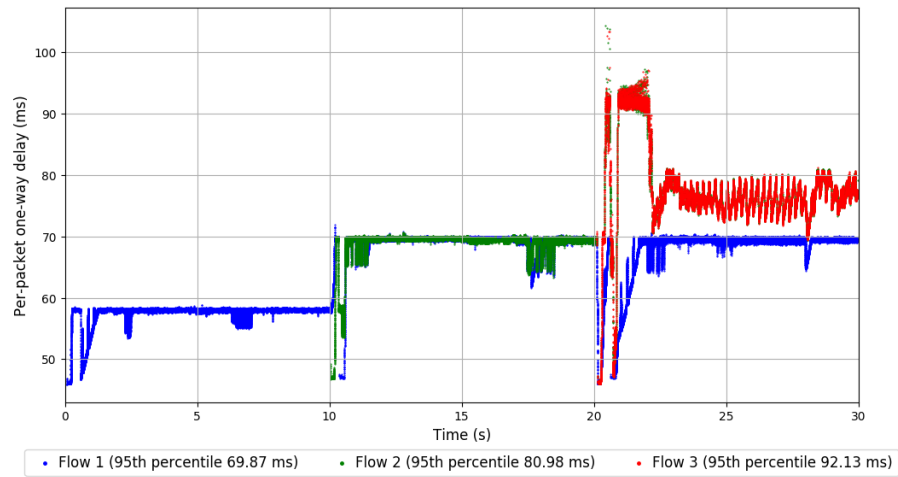
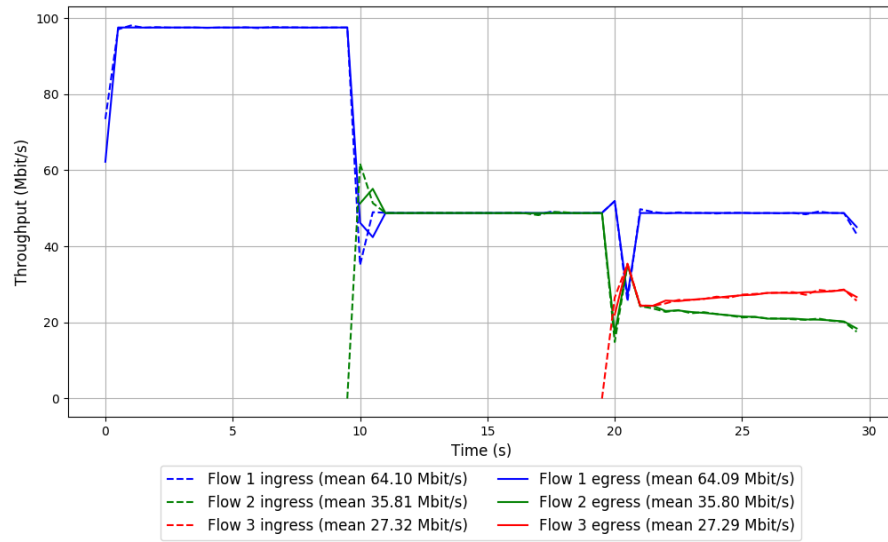


Run 10: Statistics of TCP BBR

Start at: 2017-10-12 06:29:43  
End at: 2017-10-12 06:30:13  
Local clock offset: -1.928 ms  
Remote clock offset: -16.785 ms

# Below is generated by plot.py at 2017-10-12 09:29:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.97 Mbit/s  
95th percentile per-packet one-way delay: 78.382 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 64.09 Mbit/s  
95th percentile per-packet one-way delay: 69.867 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 35.80 Mbit/s  
95th percentile per-packet one-way delay: 80.979 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 27.29 Mbit/s  
95th percentile per-packet one-way delay: 92.127 ms  
Loss rate: 0.65%

# Run 10: Report of TCP BBR — Data Link

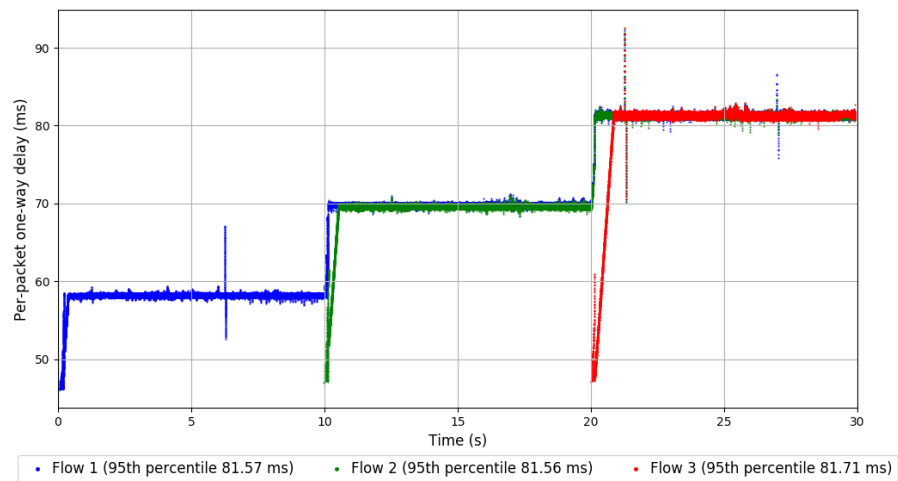
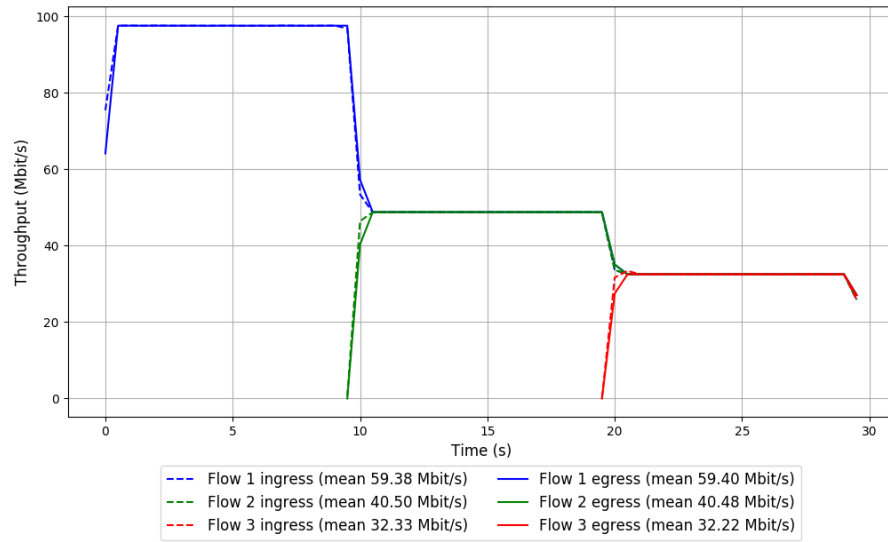


Run 1: Statistics of TCP Cubic

Start at: 2017-10-12 03:39:45  
End at: 2017-10-12 03:40:15  
Local clock offset: 1.257 ms  
Remote clock offset: -34.471 ms

# Below is generated by plot.py at 2017-10-12 09:29:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 81.596 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 59.40 Mbit/s  
95th percentile per-packet one-way delay: 81.568 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.48 Mbit/s  
95th percentile per-packet one-way delay: 81.558 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 32.22 Mbit/s  
95th percentile per-packet one-way delay: 81.708 ms  
Loss rate: 0.63%

# Run 1: Report of TCP Cubic — Data Link

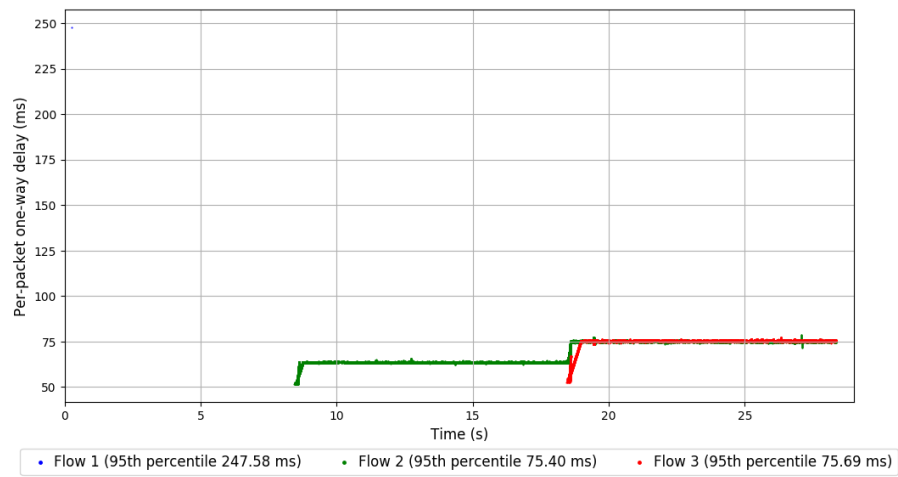
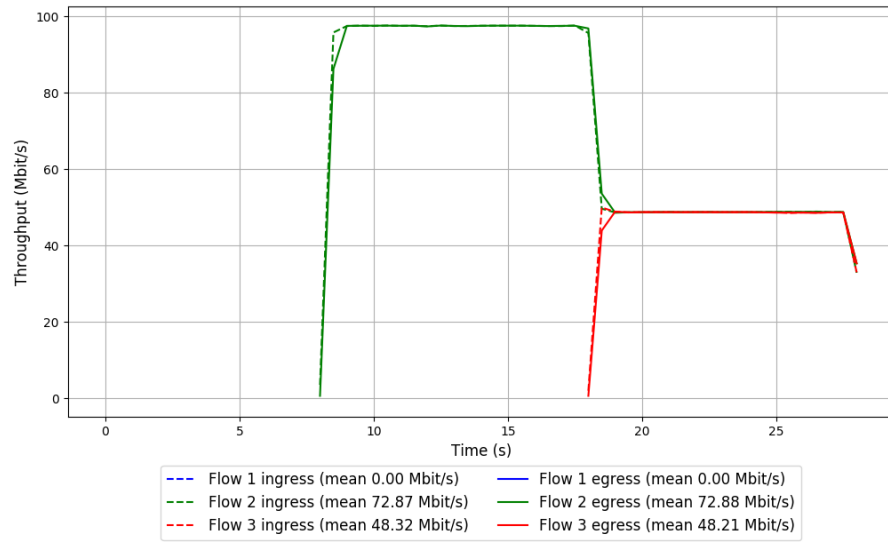


Run 2: Statistics of TCP Cubic

Start at: 2017-10-12 03:56:48  
End at: 2017-10-12 03:57:18  
Local clock offset: 3.209 ms  
Remote clock offset: -37.226 ms

# Below is generated by plot.py at 2017-10-12 09:29:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 68.69 Mbit/s  
95th percentile per-packet one-way delay: 75.573 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 0.00 Mbit/s  
95th percentile per-packet one-way delay: 247.581 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 72.88 Mbit/s  
95th percentile per-packet one-way delay: 75.396 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 48.21 Mbit/s  
95th percentile per-packet one-way delay: 75.695 ms  
Loss rate: 0.52%

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



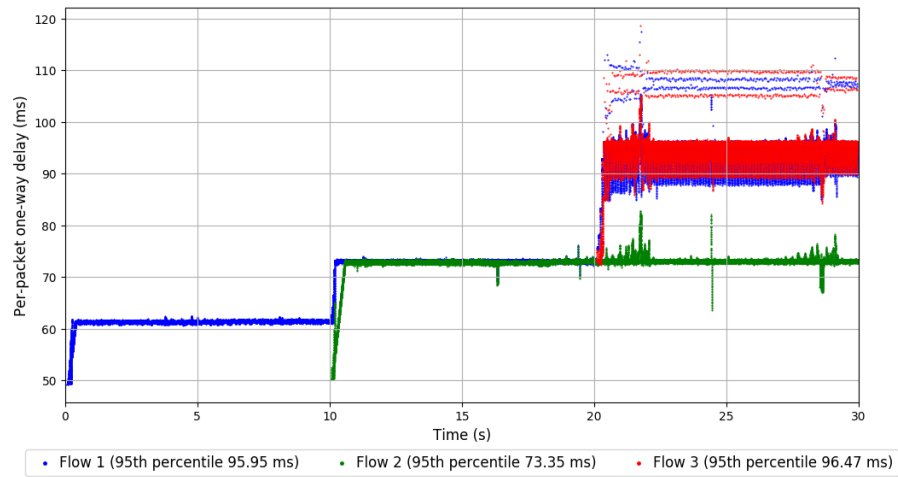
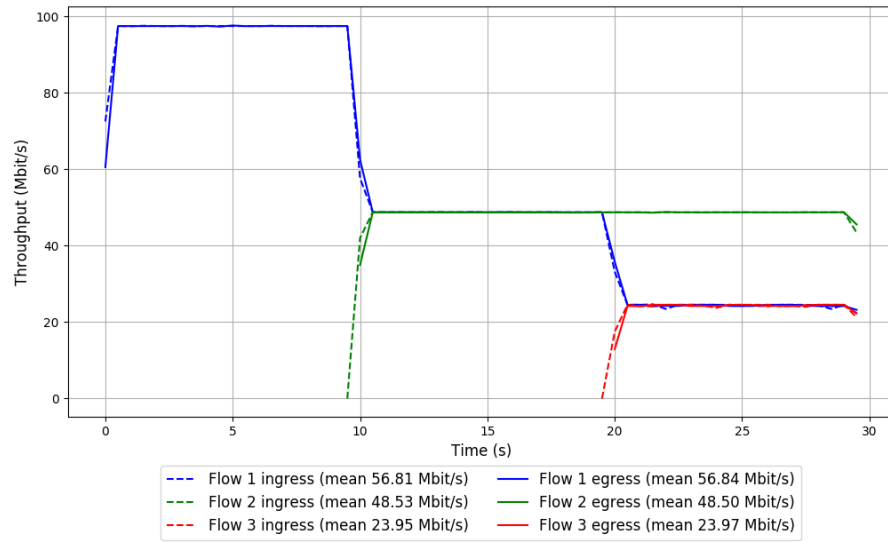
Run 3: Statistics of TCP Cubic

Start at: 2017-10-12 04:13:40  
End at: 2017-10-12 04:14:10  
Local clock offset: 0.981 ms  
Remote clock offset: -36.237 ms

# Below is generated by plot.py at 2017-10-12 09:29:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.07 Mbit/s  
95th percentile per-packet one-way delay: 95.995 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 56.84 Mbit/s  
95th percentile per-packet one-way delay: 95.948 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 48.50 Mbit/s  
95th percentile per-packet one-way delay: 73.346 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 23.97 Mbit/s  
95th percentile per-packet one-way delay: 96.473 ms  
Loss rate: 0.72%



### Run 3: Report of TCP Cubic — Data Link

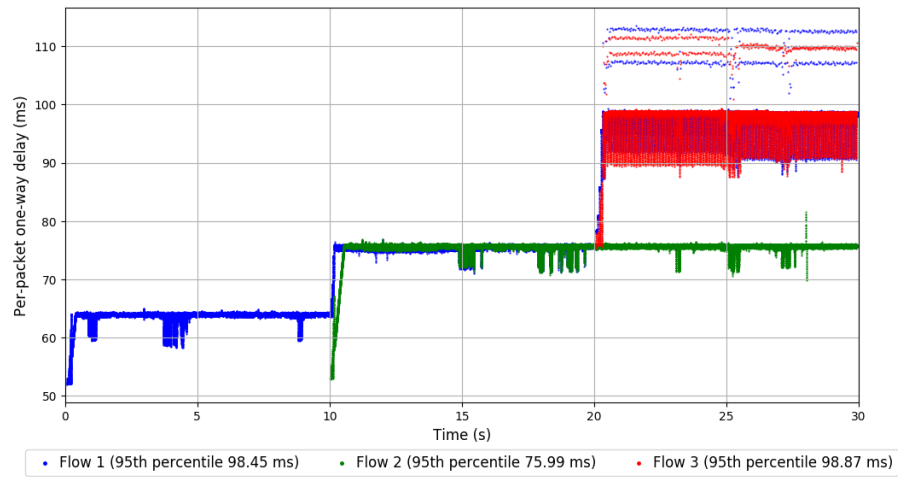
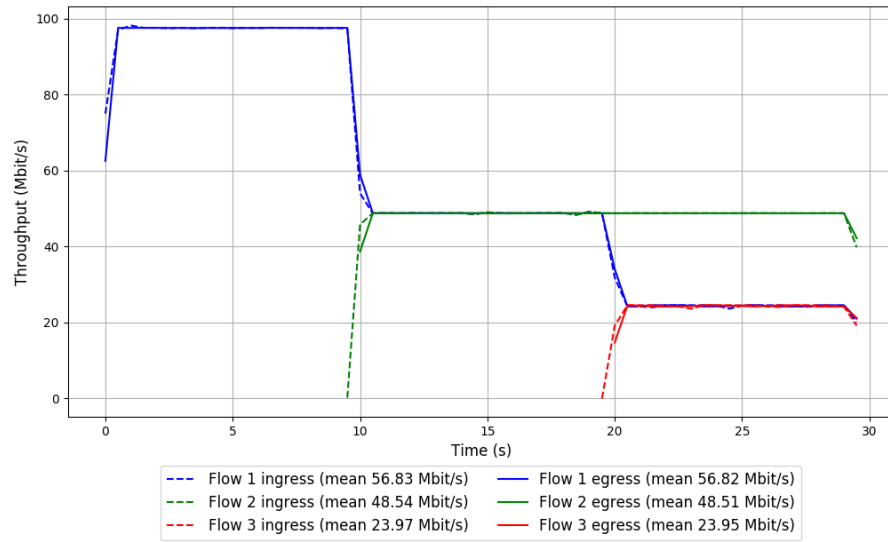


Run 4: Statistics of TCP Cubic

Start at: 2017-10-12 04:30:26  
End at: 2017-10-12 04:30:56  
Local clock offset: 3.578 ms  
Remote clock offset: -35.601 ms

# Below is generated by plot.py at 2017-10-12 09:29:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 98.533 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 56.82 Mbit/s  
95th percentile per-packet one-way delay: 98.452 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 48.51 Mbit/s  
95th percentile per-packet one-way delay: 75.989 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 23.95 Mbit/s  
95th percentile per-packet one-way delay: 98.874 ms  
Loss rate: 0.65%

#### Run 4: Report of TCP Cubic — Data Link

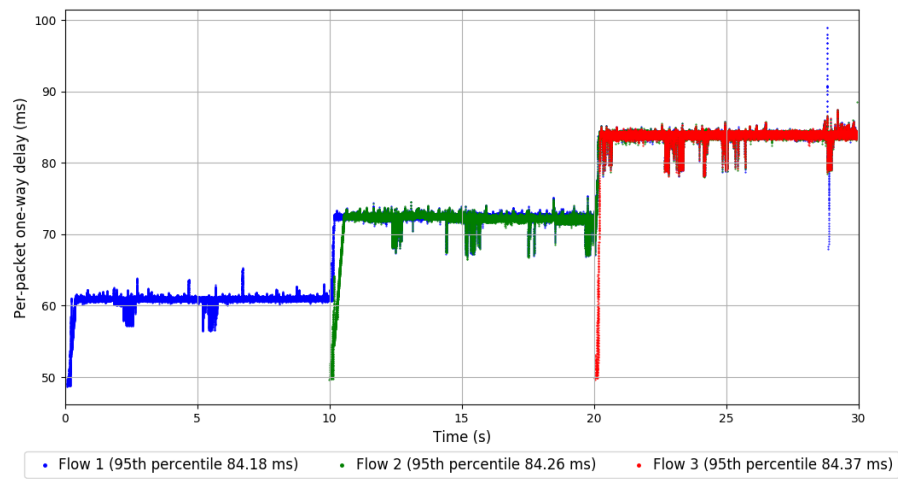
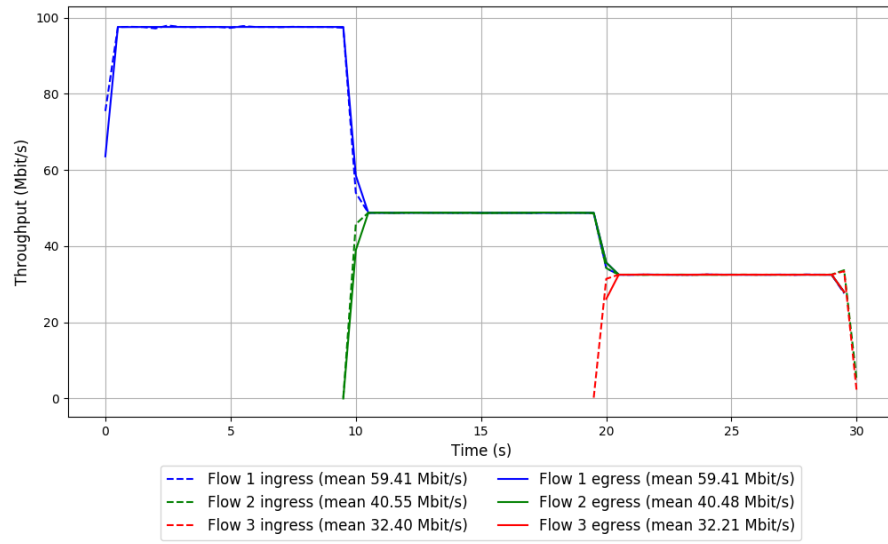


Run 5: Statistics of TCP Cubic

Start at: 2017-10-12 04:48:30  
End at: 2017-10-12 04:49:00  
Local clock offset: 1.079 ms  
Remote clock offset: -34.007 ms

# Below is generated by plot.py at 2017-10-12 09:29:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 84.250 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 59.41 Mbit/s  
95th percentile per-packet one-way delay: 84.184 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 40.48 Mbit/s  
95th percentile per-packet one-way delay: 84.264 ms  
Loss rate: 0.98%  
-- Flow 3:  
Average throughput: 32.21 Mbit/s  
95th percentile per-packet one-way delay: 84.366 ms  
Loss rate: 1.96%

# Run 5: Report of TCP Cubic — Data Link

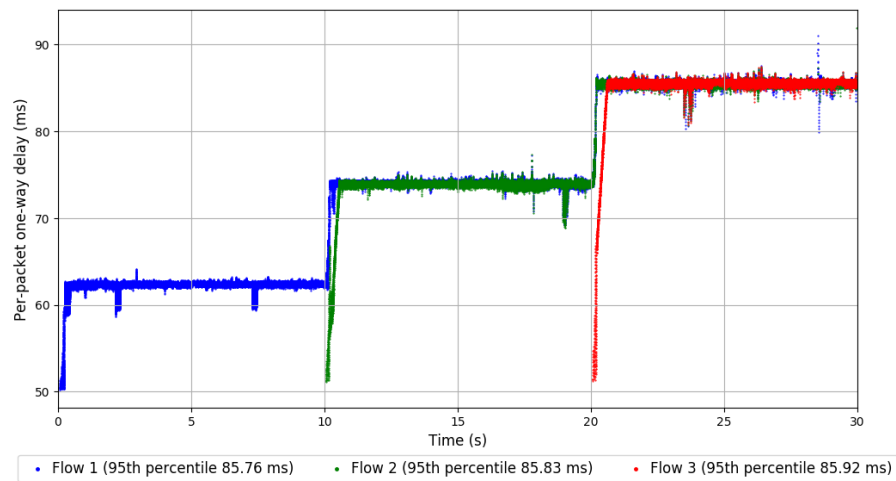
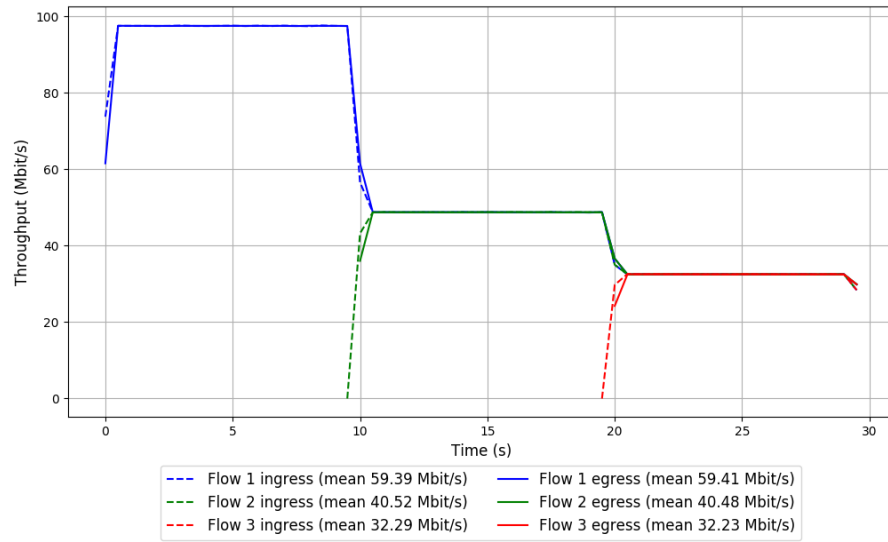


Run 6: Statistics of TCP Cubic

Start at: 2017-10-12 05:06:57  
End at: 2017-10-12 05:07:27  
Local clock offset: 2.717 ms  
Remote clock offset: -30.355 ms

# Below is generated by plot.py at 2017-10-12 09:29:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.07 Mbit/s  
95th percentile per-packet one-way delay: 85.828 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 59.41 Mbit/s  
95th percentile per-packet one-way delay: 85.763 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 40.48 Mbit/s  
95th percentile per-packet one-way delay: 85.829 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 32.23 Mbit/s  
95th percentile per-packet one-way delay: 85.925 ms  
Loss rate: 0.64%

## Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-10-12 05:24:36

End at: 2017-10-12 05:25:06

Local clock offset: 0.335 ms

Remote clock offset: -29.408 ms



Run 7: Report of TCP Cubic — Data Link

Figure is missing

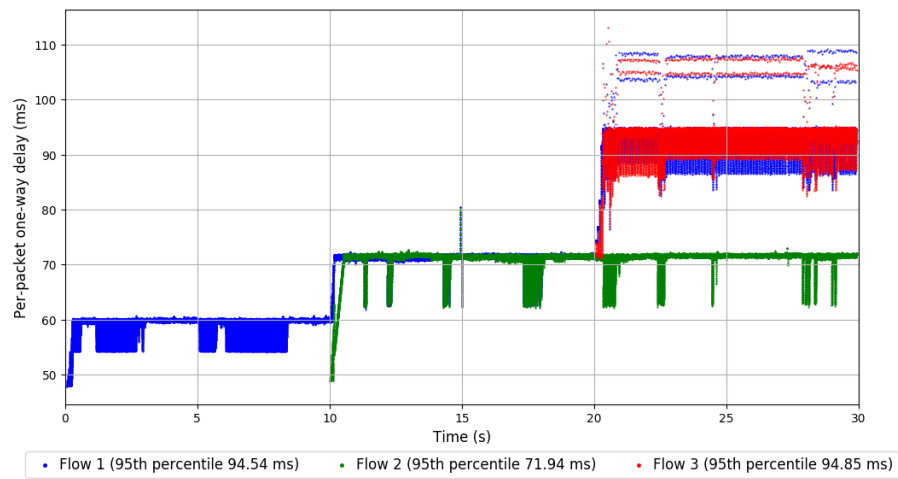
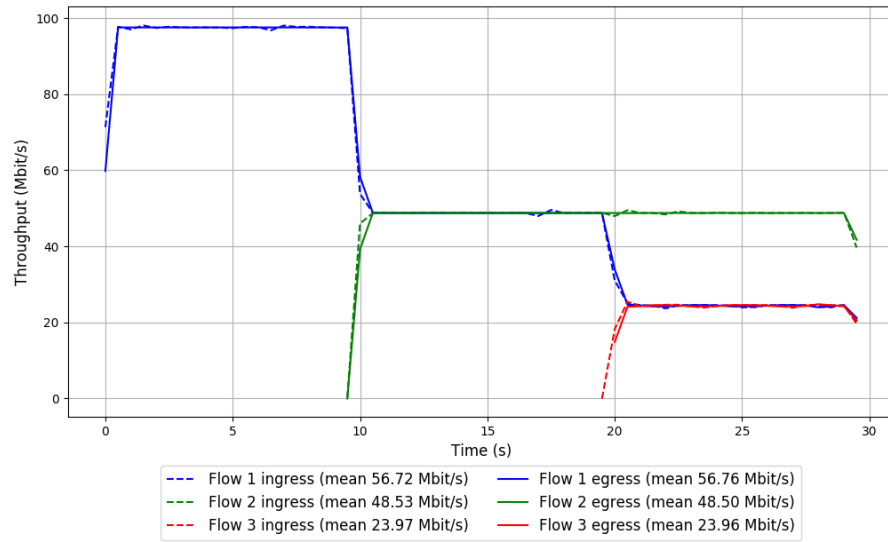
Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2017-10-12 05:44:39  
End at: 2017-10-12 05:45:09  
Local clock offset: 0.443 ms  
Remote clock offset: -24.784 ms

# Below is generated by plot.py at 2017-10-12 09:29:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.05 Mbit/s  
95th percentile per-packet one-way delay: 94.601 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 56.76 Mbit/s  
95th percentile per-packet one-way delay: 94.542 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 48.50 Mbit/s  
95th percentile per-packet one-way delay: 71.941 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 23.96 Mbit/s  
95th percentile per-packet one-way delay: 94.852 ms  
Loss rate: 0.80%

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

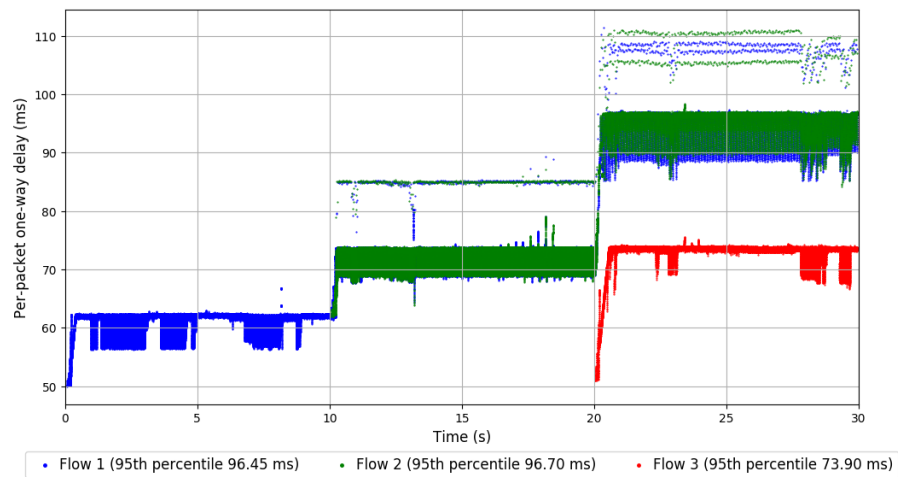
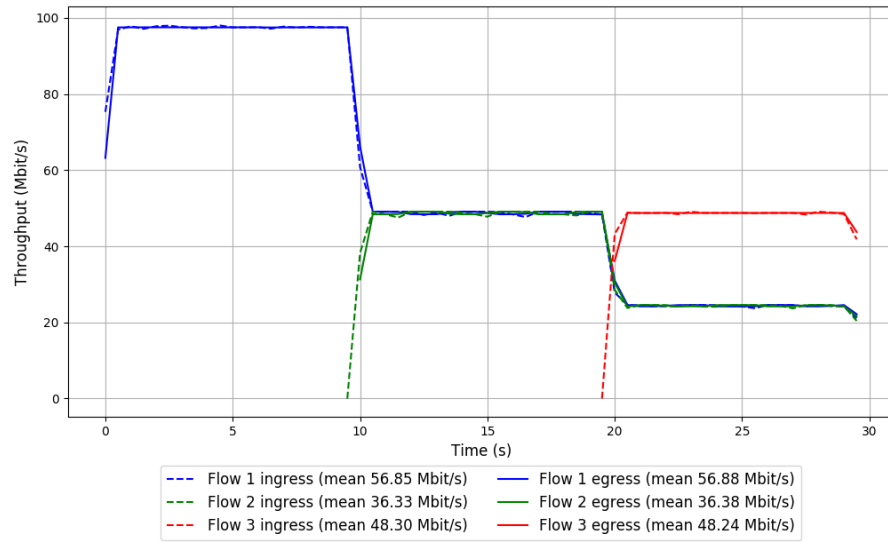


Run 9: Statistics of TCP Cubic

Start at: 2017-10-12 06:02:41  
End at: 2017-10-12 06:03:11  
Local clock offset: 2.007 ms  
Remote clock offset: -22.723 ms

# Below is generated by plot.py at 2017-10-12 09:30:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 96.519 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 56.88 Mbit/s  
95th percentile per-packet one-way delay: 96.446 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 36.38 Mbit/s  
95th percentile per-packet one-way delay: 96.704 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 48.24 Mbit/s  
95th percentile per-packet one-way delay: 73.903 ms  
Loss rate: 0.51%

## Run 9: Report of TCP Cubic — Data Link

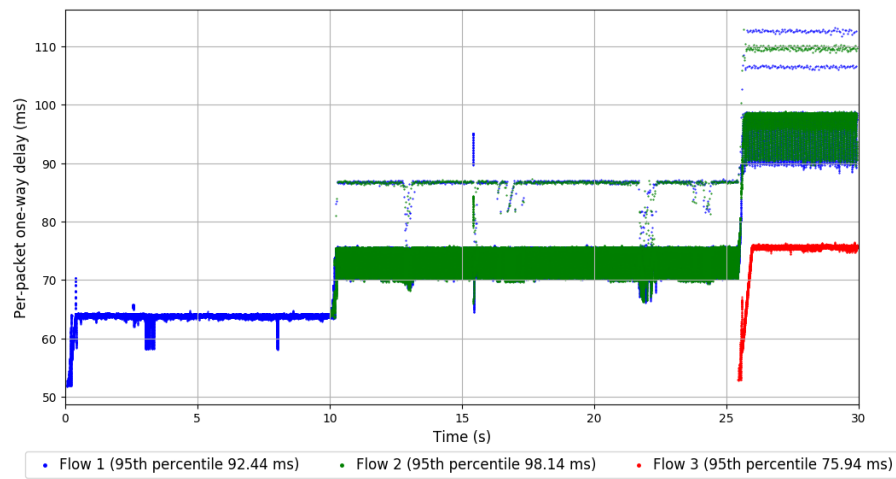
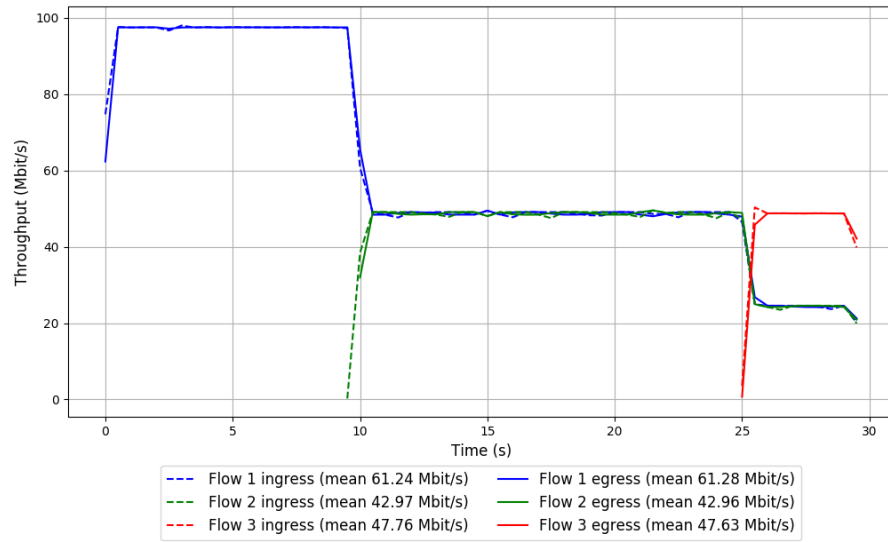


Run 10: Statistics of TCP Cubic

Start at: 2017-10-12 06:19:48  
End at: 2017-10-12 06:20:18  
Local clock offset: 3.374 ms  
Remote clock offset: -19.54 ms

# Below is generated by plot.py at 2017-10-12 09:30:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 96.290 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 61.28 Mbit/s  
95th percentile per-packet one-way delay: 92.439 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 42.96 Mbit/s  
95th percentile per-packet one-way delay: 98.143 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 47.63 Mbit/s  
95th percentile per-packet one-way delay: 75.937 ms  
Loss rate: 1.15%

# Run 10: Report of TCP Cubic — Data Link



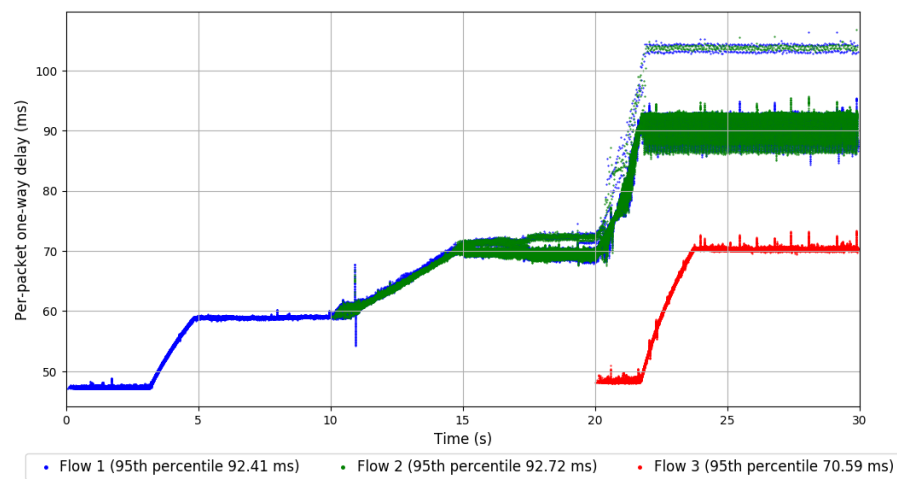
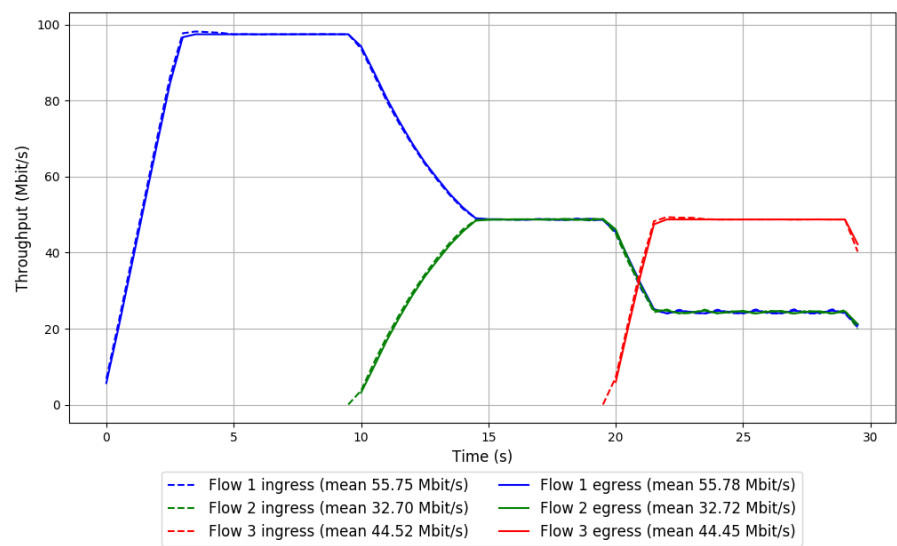
```
Run 1: Statistics of LEDBAT

Start at: 2017-10-12 03:40:57
End at: 2017-10-12 03:41:27
Local clock offset: 0.66 ms
Remote clock offset: -36.004 ms

# Below is generated by plot.py at 2017-10-12 09:30:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 92.508 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 92.405 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 92.718 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 70.595 ms
Loss rate: 0.56%
```



Run 1: Report of LEDBAT — Data Link

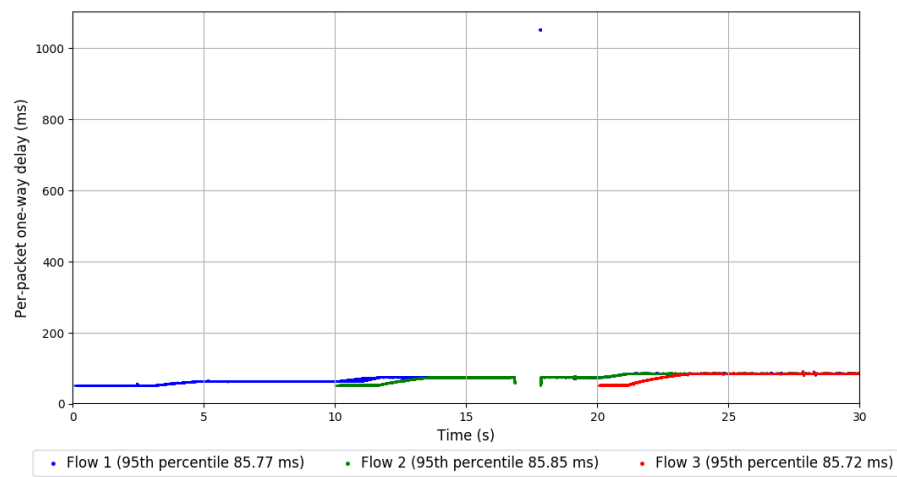
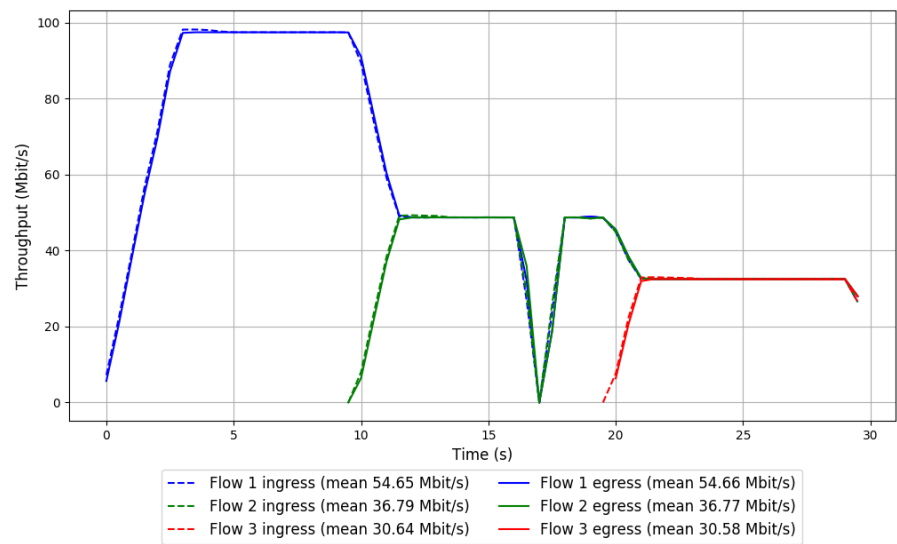


Run 2: Statistics of LEDBAT

Start at: 2017-10-12 03:58:00  
End at: 2017-10-12 03:58:30  
Local clock offset: 1.925 ms  
Remote clock offset: -37.903 ms

# Below is generated by plot.py at 2017-10-12 09:30:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.34 Mbit/s  
95th percentile per-packet one-way delay: 85.806 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 54.66 Mbit/s  
95th percentile per-packet one-way delay: 85.772 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 36.77 Mbit/s  
95th percentile per-packet one-way delay: 85.854 ms  
Loss rate: 0.27%  
-- Flow 3:  
Average throughput: 30.58 Mbit/s  
95th percentile per-packet one-way delay: 85.725 ms  
Loss rate: 0.66%

Run 2: Report of LEDBAT — Data Link

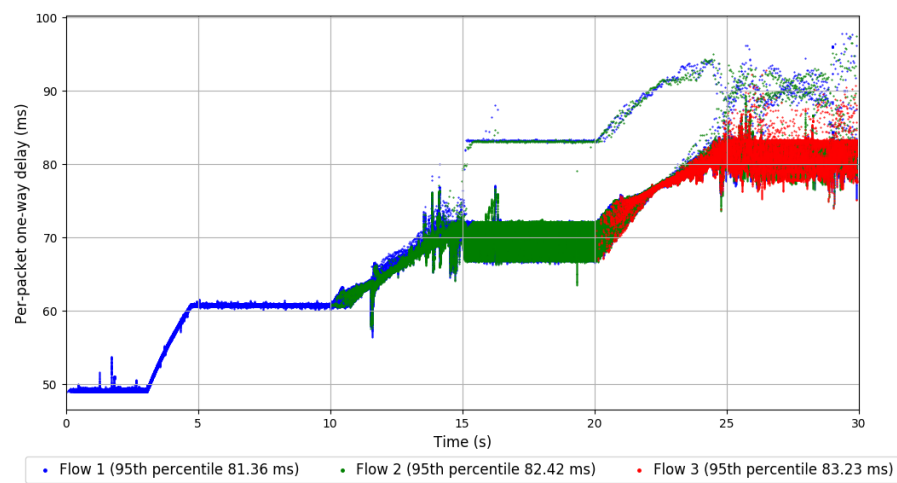
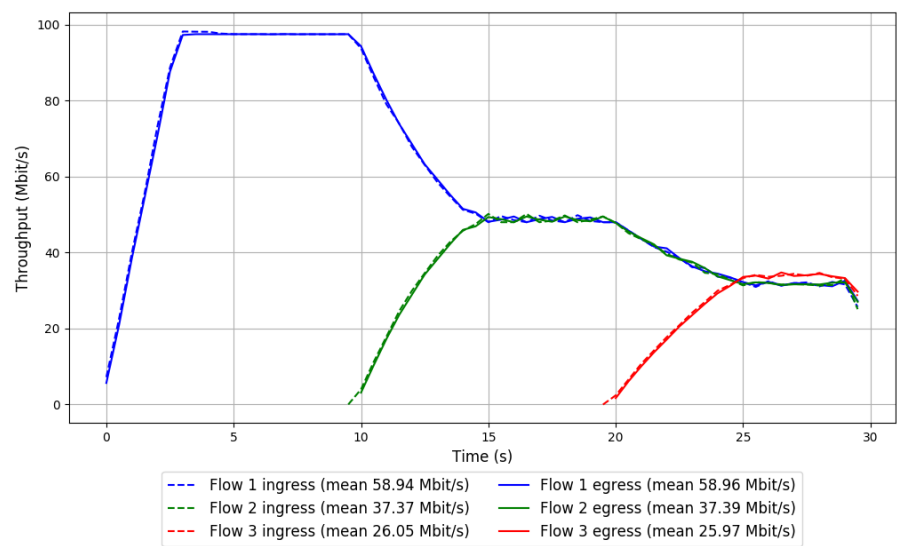


Run 3: Statistics of LEDBAT

Start at: 2017-10-12 04:14:53  
End at: 2017-10-12 04:15:23  
Local clock offset: 0.675 ms  
Remote clock offset: -36.096 ms

# Below is generated by plot.py at 2017-10-12 09:30:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.49 Mbit/s  
95th percentile per-packet one-way delay: 82.247 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.96 Mbit/s  
95th percentile per-packet one-way delay: 81.361 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 37.39 Mbit/s  
95th percentile per-packet one-way delay: 82.422 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 25.97 Mbit/s  
95th percentile per-packet one-way delay: 83.235 ms  
Loss rate: 0.81%

Run 3: Report of LEDBAT — Data Link

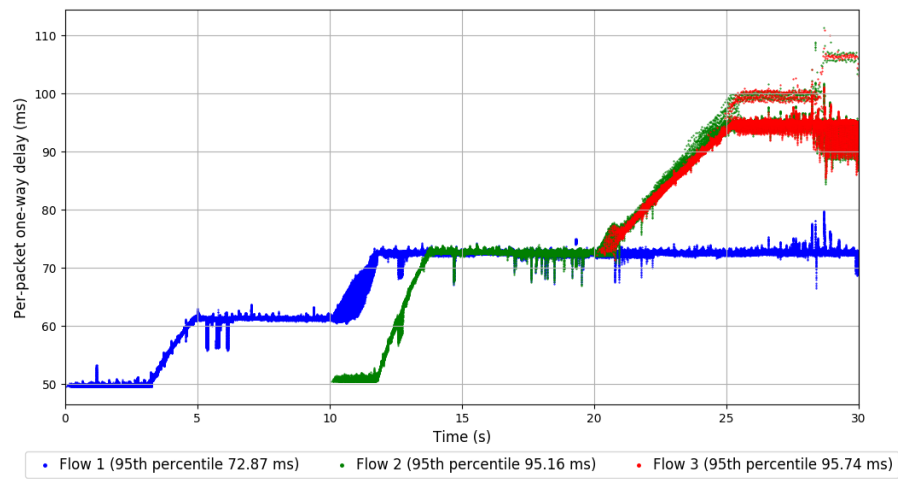
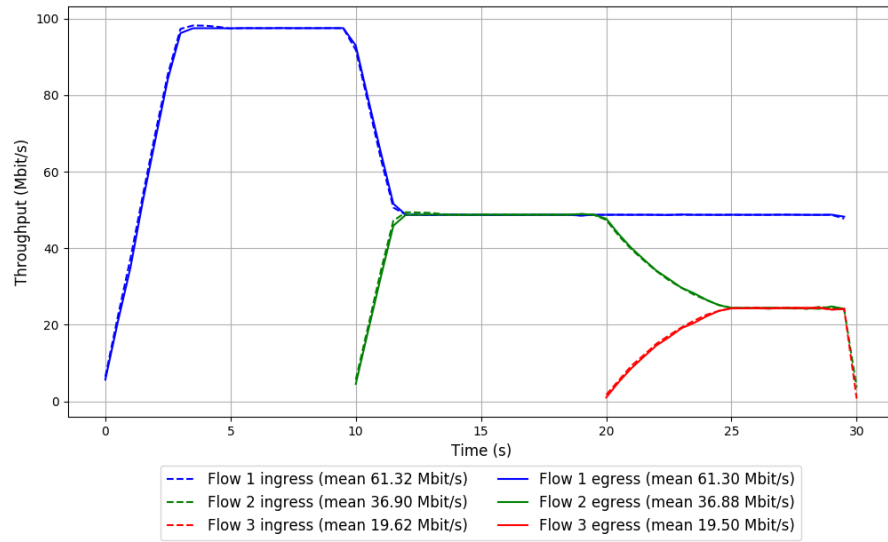


Run 4: Statistics of LEDBAT

Start at: 2017-10-12 04:31:37  
End at: 2017-10-12 04:32:07  
Local clock offset: 2.894 ms  
Remote clock offset: -33.746 ms

# Below is generated by plot.py at 2017-10-12 09:30:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.29 Mbit/s  
95th percentile per-packet one-way delay: 94.919 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 61.30 Mbit/s  
95th percentile per-packet one-way delay: 72.870 ms  
Loss rate: 0.18%  
-- Flow 2:  
Average throughput: 36.88 Mbit/s  
95th percentile per-packet one-way delay: 95.161 ms  
Loss rate: 0.54%  
-- Flow 3:  
Average throughput: 19.50 Mbit/s  
95th percentile per-packet one-way delay: 95.738 ms  
Loss rate: 1.34%

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



Run 5: Statistics of LEDBAT

Start at: 2017-10-12 04:49:55

End at: 2017-10-12 04:50:25

Local clock offset: 1.607 ms

Remote clock offset: -34.713 ms



Run 5: Report of LEDBAT — Data Link

Figure is missing

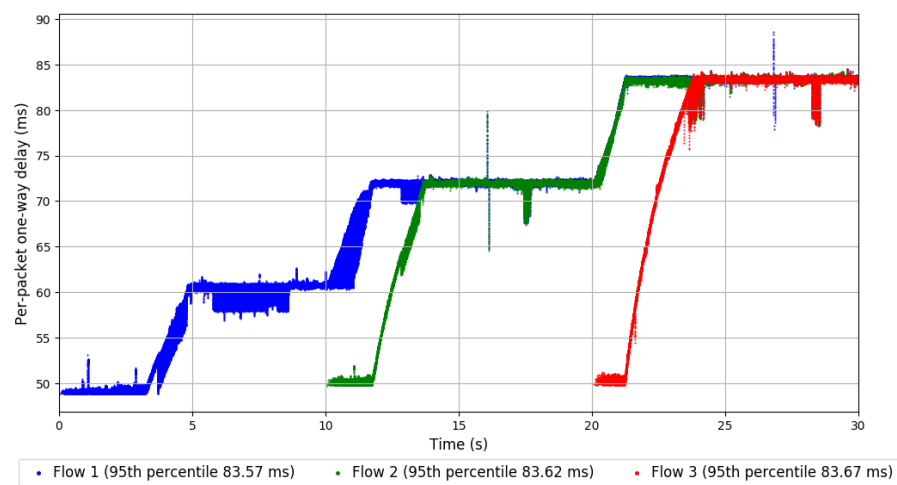
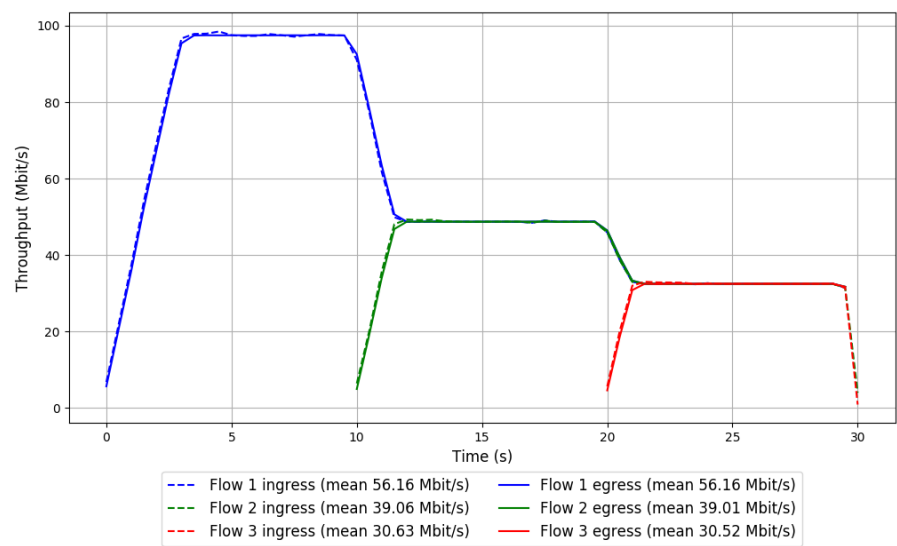
Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2017-10-12 05:08:11  
End at: 2017-10-12 05:08:41  
Local clock offset: 0.924 ms  
Remote clock offset: -30.479 ms

# Below is generated by plot.py at 2017-10-12 09:30:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.24 Mbit/s  
95th percentile per-packet one-way delay: 83.609 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 56.16 Mbit/s  
95th percentile per-packet one-way delay: 83.574 ms  
Loss rate: 0.15%  
-- Flow 2:  
Average throughput: 39.01 Mbit/s  
95th percentile per-packet one-way delay: 83.618 ms  
Loss rate: 0.58%  
-- Flow 3:  
Average throughput: 30.52 Mbit/s  
95th percentile per-packet one-way delay: 83.665 ms  
Loss rate: 0.99%

Run 6: Report of LEDBAT — Data Link

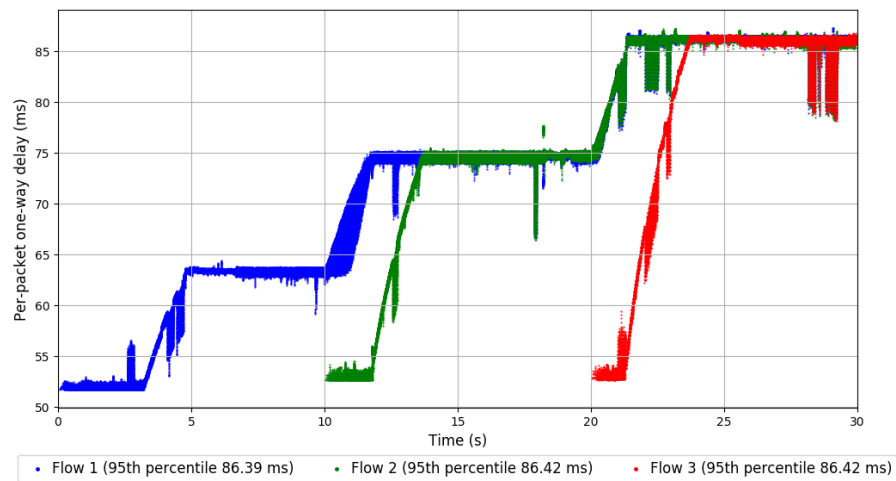
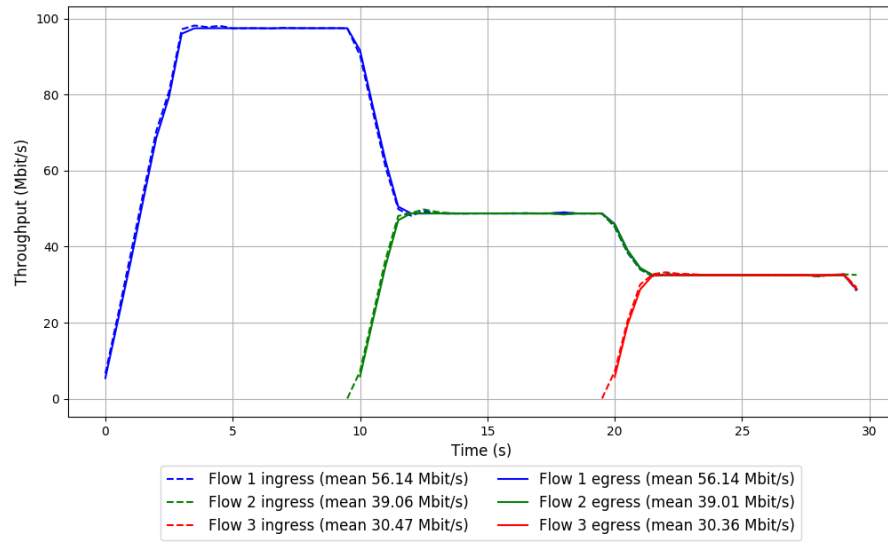


Run 7: Statistics of LEDBAT

Start at: 2017-10-12 05:25:45  
End at: 2017-10-12 05:26:15  
Local clock offset: 3.046 ms  
Remote clock offset: -28.403 ms

# Below is generated by plot.py at 2017-10-12 09:31:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.23 Mbit/s  
95th percentile per-packet one-way delay: 86.407 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 56.14 Mbit/s  
95th percentile per-packet one-way delay: 86.386 ms  
Loss rate: 0.15%  
-- Flow 2:  
Average throughput: 39.01 Mbit/s  
95th percentile per-packet one-way delay: 86.421 ms  
Loss rate: 0.60%  
-- Flow 3:  
Average throughput: 30.36 Mbit/s  
95th percentile per-packet one-way delay: 86.422 ms  
Loss rate: 1.00%

# Run 7: Report of LEDBAT — Data Link

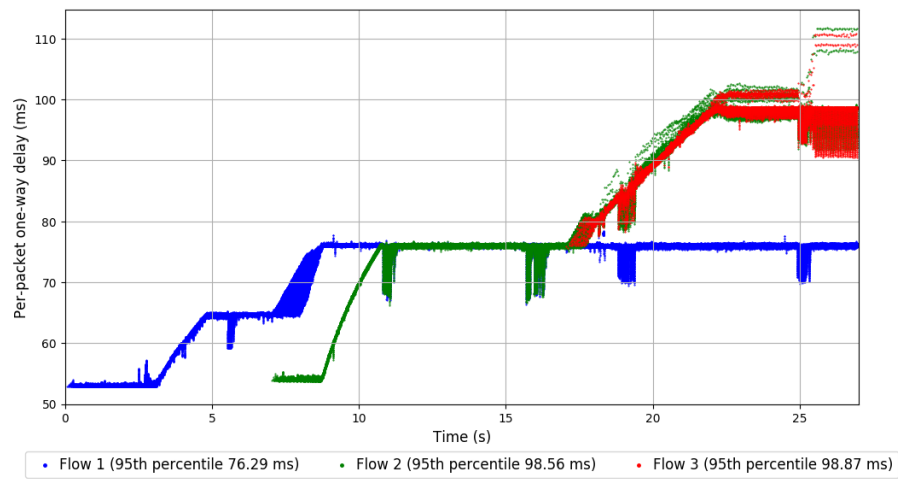
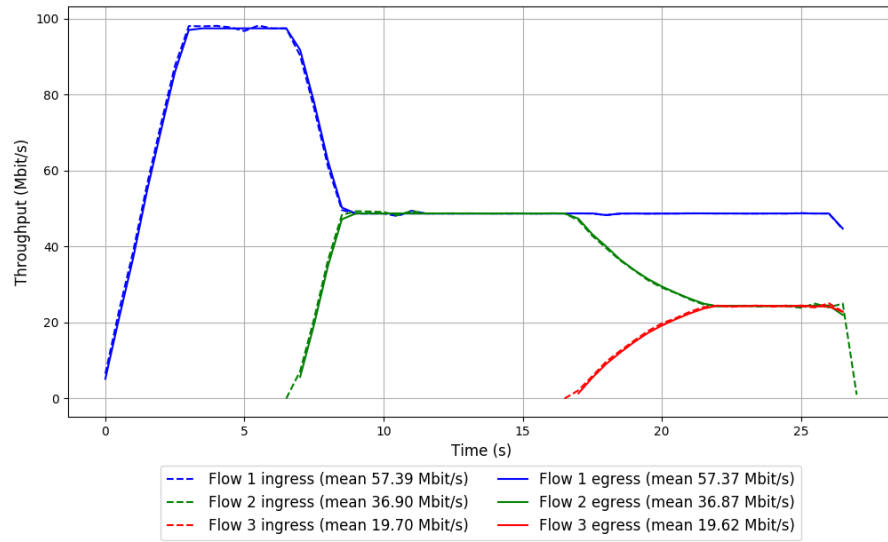


Run 8: Statistics of LEDBAT

Start at: 2017-10-12 05:46:09  
End at: 2017-10-12 05:46:39  
Local clock offset: 3.601 ms  
Remote clock offset: -26.375 ms

# Below is generated by plot.py at 2017-10-12 09:31:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.89 Mbit/s  
95th percentile per-packet one-way delay: 98.334 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 57.37 Mbit/s  
95th percentile per-packet one-way delay: 76.288 ms  
Loss rate: 0.23%  
-- Flow 2:  
Average throughput: 36.87 Mbit/s  
95th percentile per-packet one-way delay: 98.562 ms  
Loss rate: 0.57%  
-- Flow 3:  
Average throughput: 19.62 Mbit/s  
95th percentile per-packet one-way delay: 98.870 ms  
Loss rate: 1.34%

# Run 8: Report of LEDBAT — Data Link



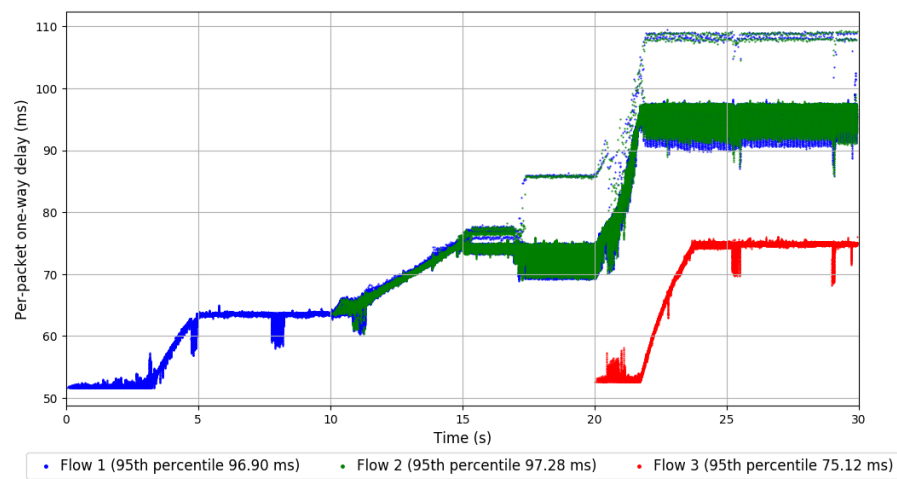
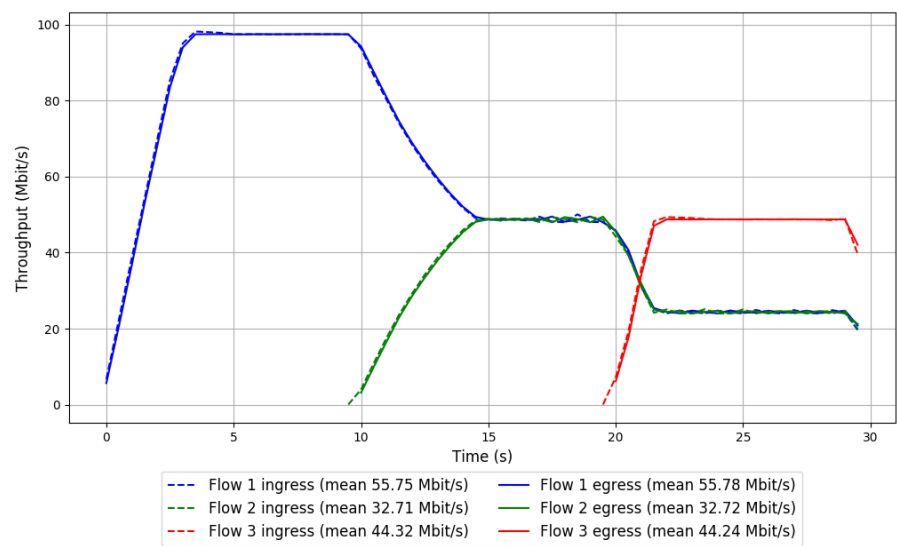
Run 9: Statistics of LEDBAT

Start at: 2017-10-12 06:03:52  
End at: 2017-10-12 06:04:22  
Local clock offset: 2.816 ms  
Remote clock offset: -23.311 ms

# Below is generated by plot.py at 2017-10-12 09:32:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.28 Mbit/s  
95th percentile per-packet one-way delay: 97.050 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 55.78 Mbit/s  
95th percentile per-packet one-way delay: 96.904 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 32.72 Mbit/s  
95th percentile per-packet one-way delay: 97.275 ms  
Loss rate: 0.29%  
-- Flow 3:  
Average throughput: 44.24 Mbit/s  
95th percentile per-packet one-way delay: 75.120 ms  
Loss rate: 0.55%



Run 9: Report of LEDBAT — Data Link

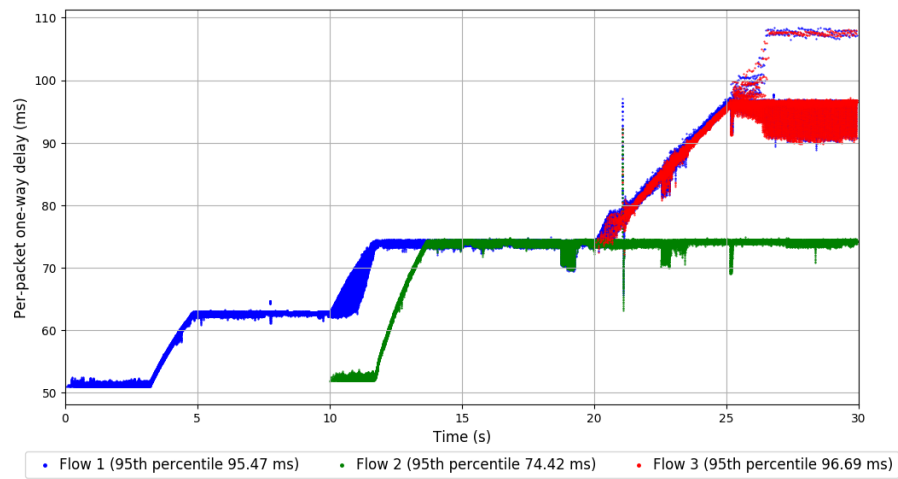
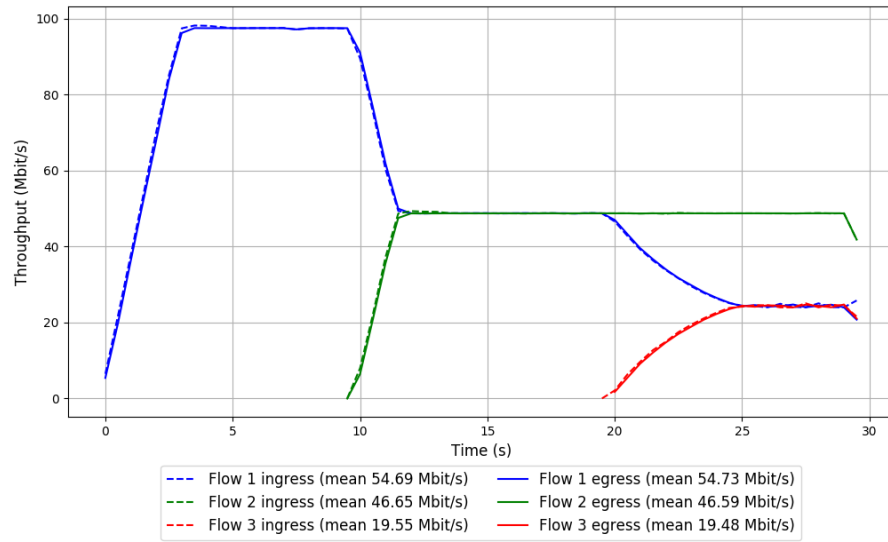


Run 10: Statistics of LEDBAT

Start at: 2017-10-12 06:20:59  
End at: 2017-10-12 06:21:29  
Local clock offset: 0.525 ms  
Remote clock offset: -21.204 ms

# Below is generated by plot.py at 2017-10-12 09:32:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.28 Mbit/s  
95th percentile per-packet one-way delay: 95.831 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 54.73 Mbit/s  
95th percentile per-packet one-way delay: 95.470 ms  
Loss rate: 0.29%  
-- Flow 2:  
Average throughput: 46.59 Mbit/s  
95th percentile per-packet one-way delay: 74.425 ms  
Loss rate: 0.38%  
-- Flow 3:  
Average throughput: 19.48 Mbit/s  
95th percentile per-packet one-way delay: 96.688 ms  
Loss rate: 1.35%

# Run 10: Report of LEDBAT — Data Link

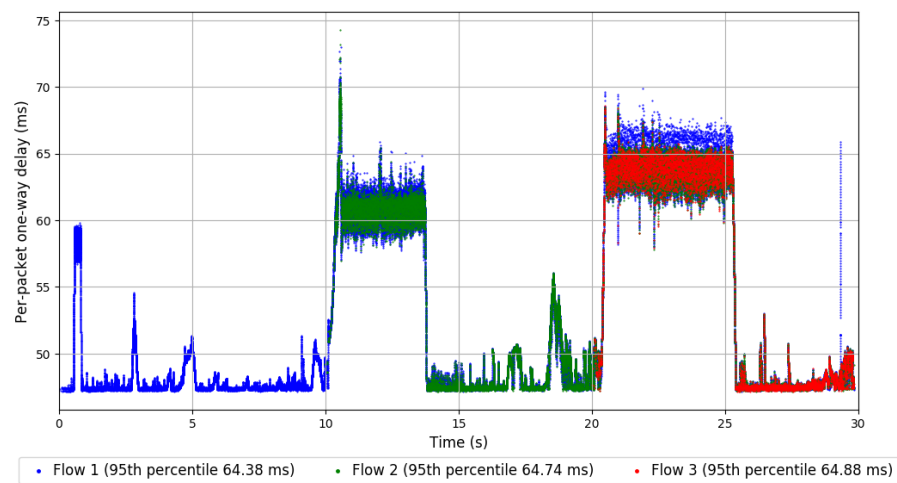
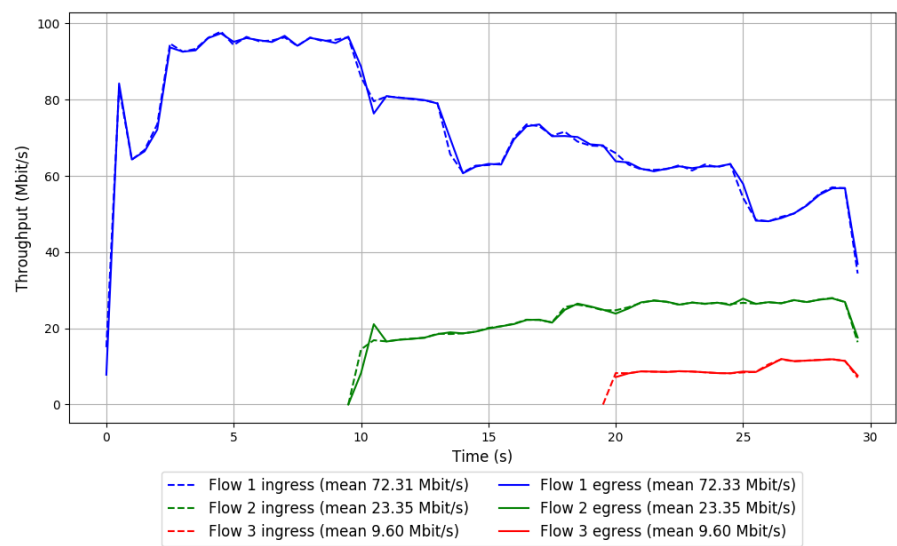


Run 1: Statistics of PCC

Start at: 2017-10-12 03:37:19  
End at: 2017-10-12 03:37:49  
Local clock offset: 0.437 ms  
Remote clock offset: -36.506 ms

# Below is generated by plot.py at 2017-10-12 09:32:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.05 Mbit/s  
95th percentile per-packet one-way delay: 64.524 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 72.33 Mbit/s  
95th percentile per-packet one-way delay: 64.383 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 23.35 Mbit/s  
95th percentile per-packet one-way delay: 64.741 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 9.60 Mbit/s  
95th percentile per-packet one-way delay: 64.879 ms  
Loss rate: 0.31%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

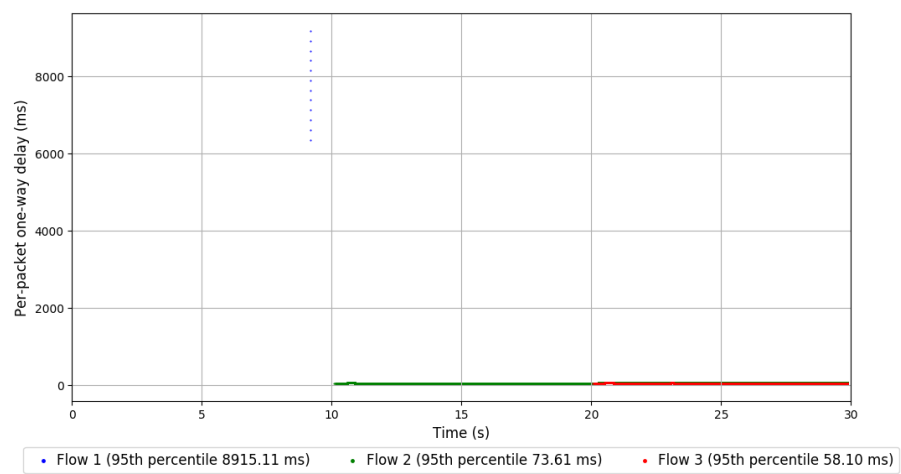
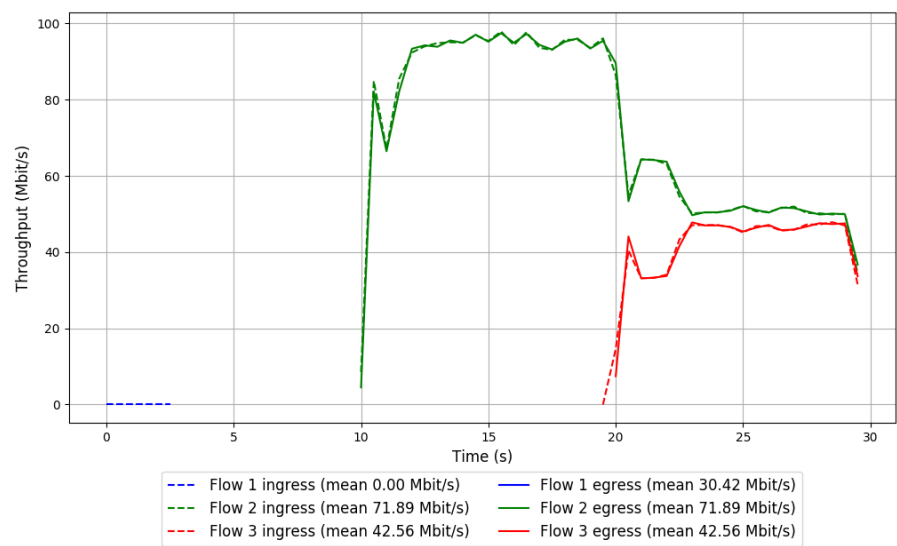
Start at: 2017-10-12 03:54:18

End at: 2017-10-12 03:54:48

Local clock offset: 3.795 ms

Remote clock offset: -36.495 ms

Run 2: Report of PCC — Data Link



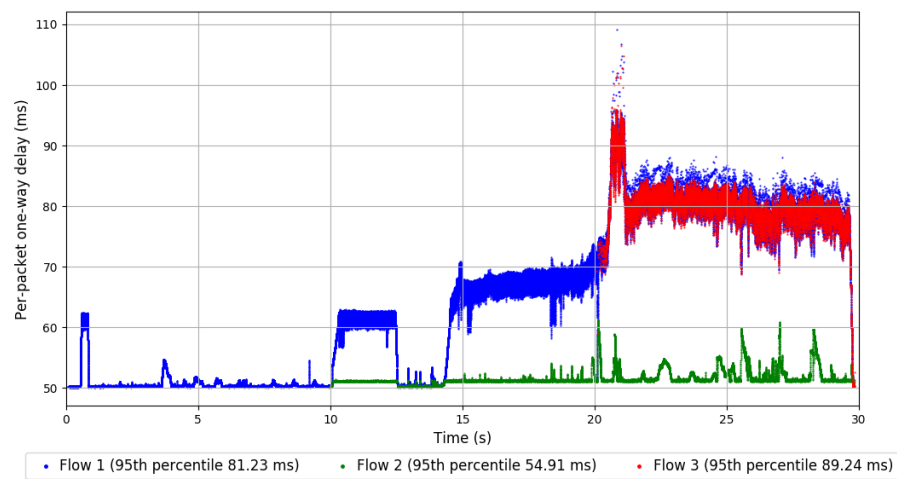
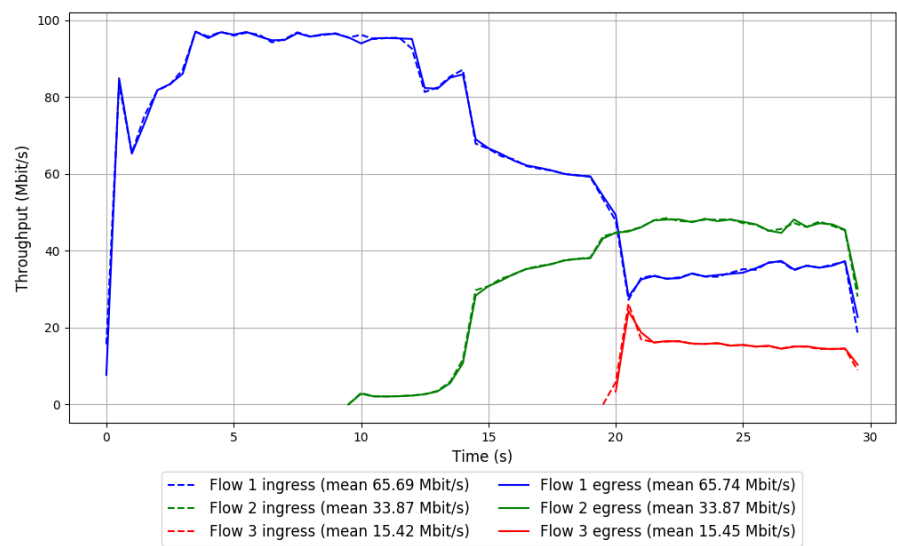
Run 3: Statistics of PCC

Start at: 2017-10-12 04:11:17  
End at: 2017-10-12 04:11:47  
Local clock offset: 0.625 ms  
Remote clock offset: -37.597 ms

# Below is generated by plot.py at 2017-10-12 09:32:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.39 Mbit/s  
95th percentile per-packet one-way delay: 81.330 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 65.74 Mbit/s  
95th percentile per-packet one-way delay: 81.229 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 33.87 Mbit/s  
95th percentile per-packet one-way delay: 54.905 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 15.45 Mbit/s  
95th percentile per-packet one-way delay: 89.236 ms  
Loss rate: 0.27%



Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

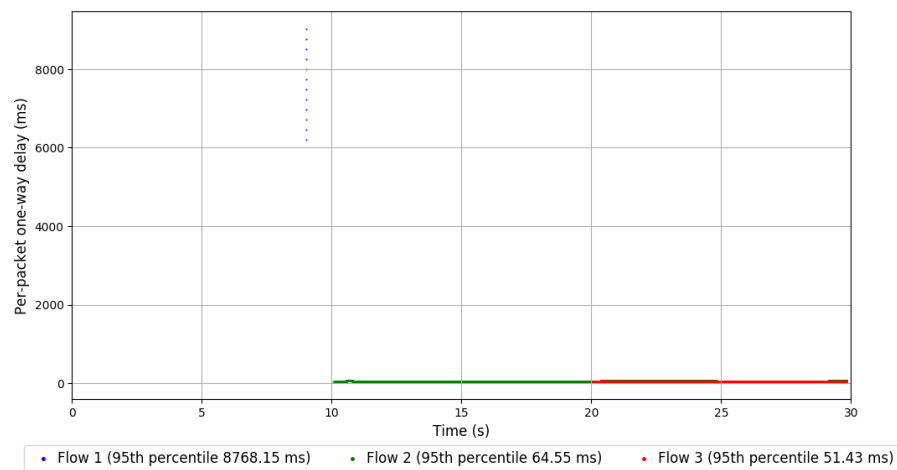
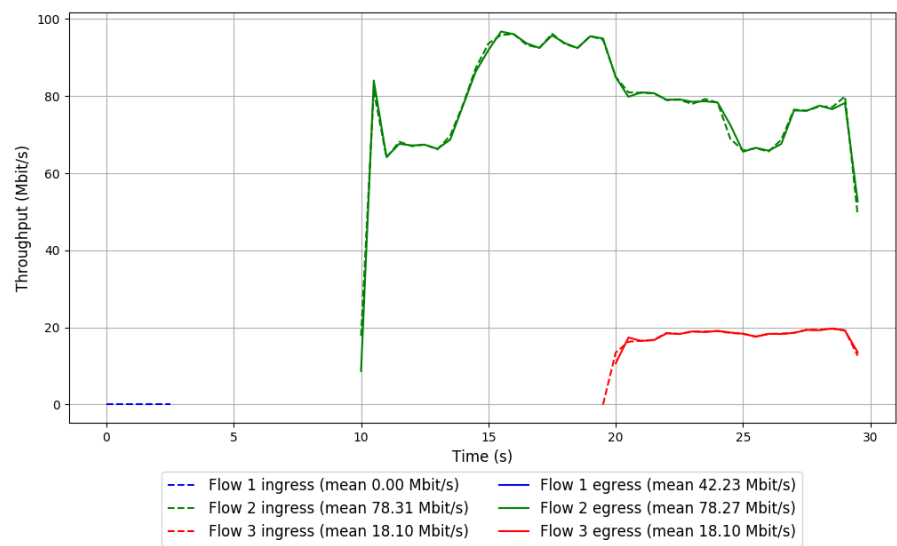
Start at: 2017-10-12 04:28:01

End at: 2017-10-12 04:28:31

Local clock offset: 3.411 ms

Remote clock offset: -34.007 ms

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

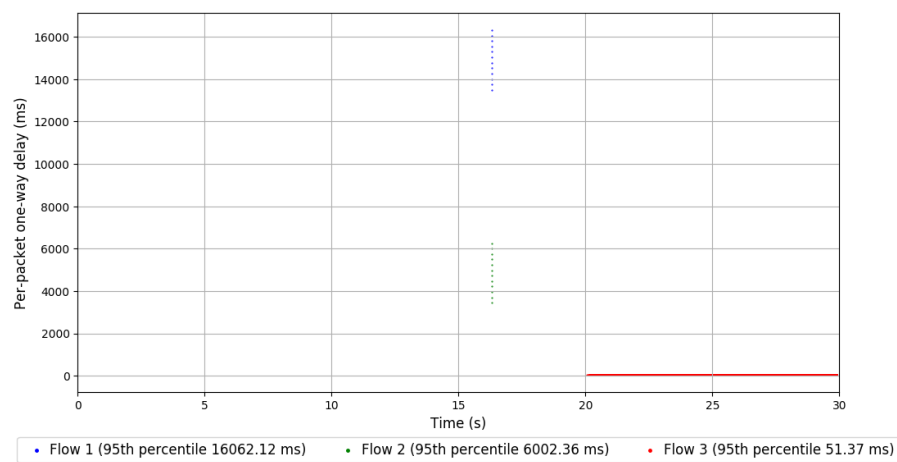
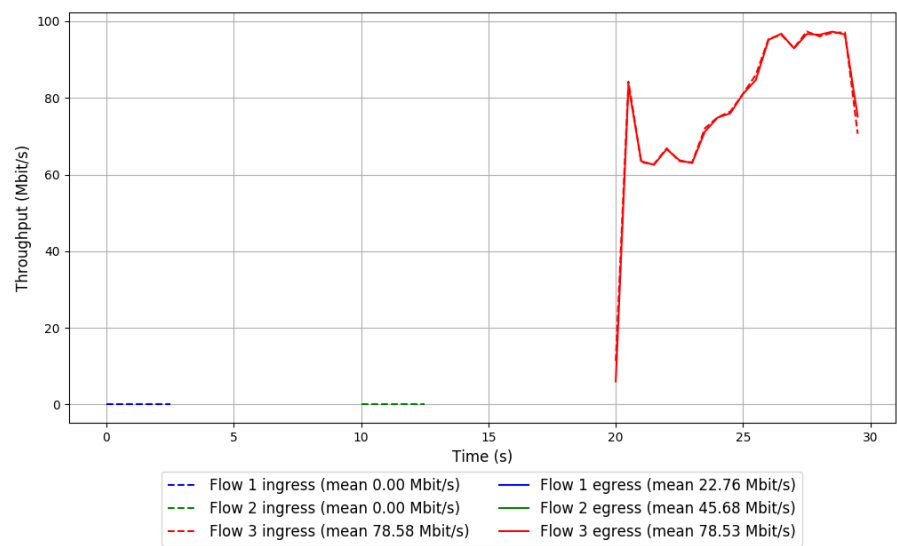
Start at: 2017-10-12 04:45:58

End at: 2017-10-12 04:46:28

Local clock offset: 0.678 ms

Remote clock offset: -34.67 ms

Run 5: Report of PCC — Data Link

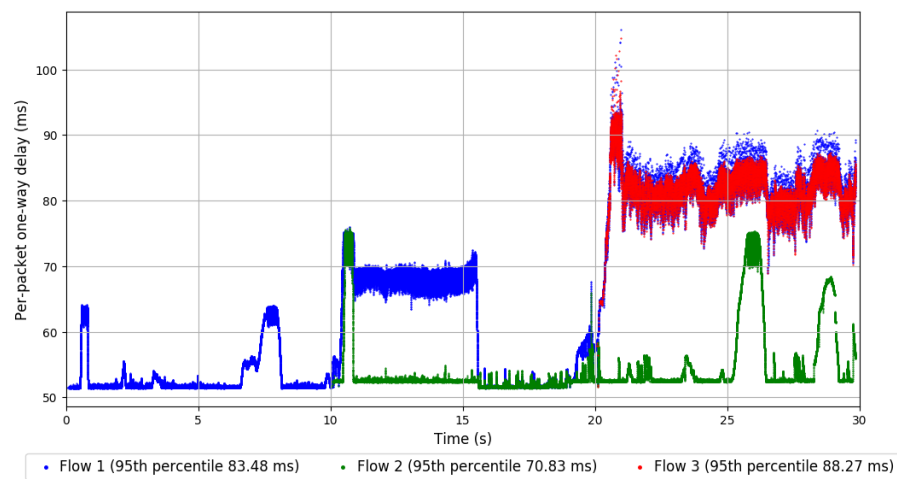
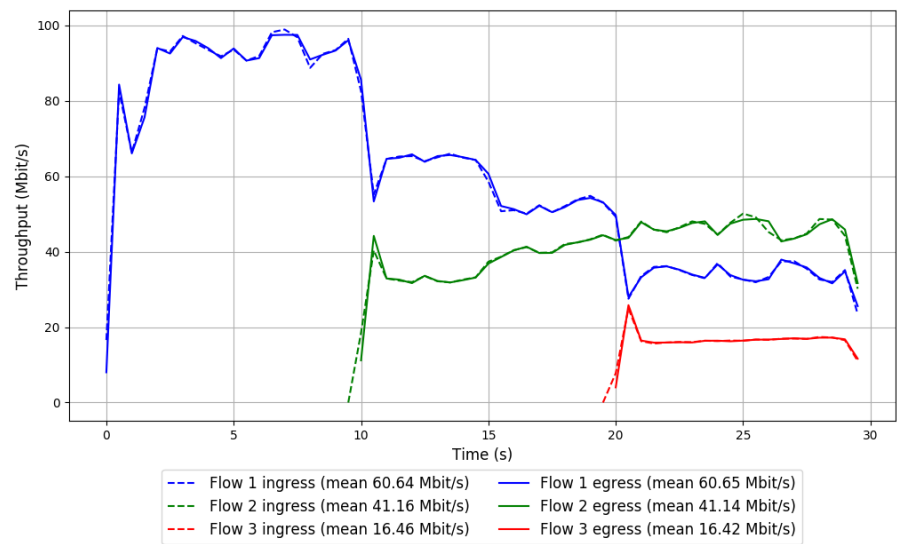


Run 6: Statistics of PCC

Start at: 2017-10-12 05:04:32  
End at: 2017-10-12 05:05:02  
Local clock offset: 2.583 ms  
Remote clock offset: -32.079 ms

# Below is generated by plot.py at 2017-10-12 09:32:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.45 Mbit/s  
95th percentile per-packet one-way delay: 83.450 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 60.65 Mbit/s  
95th percentile per-packet one-way delay: 83.481 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 41.14 Mbit/s  
95th percentile per-packet one-way delay: 70.825 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 16.42 Mbit/s  
95th percentile per-packet one-way delay: 88.269 ms  
Loss rate: 0.63%

Run 6: Report of PCC — Data Link



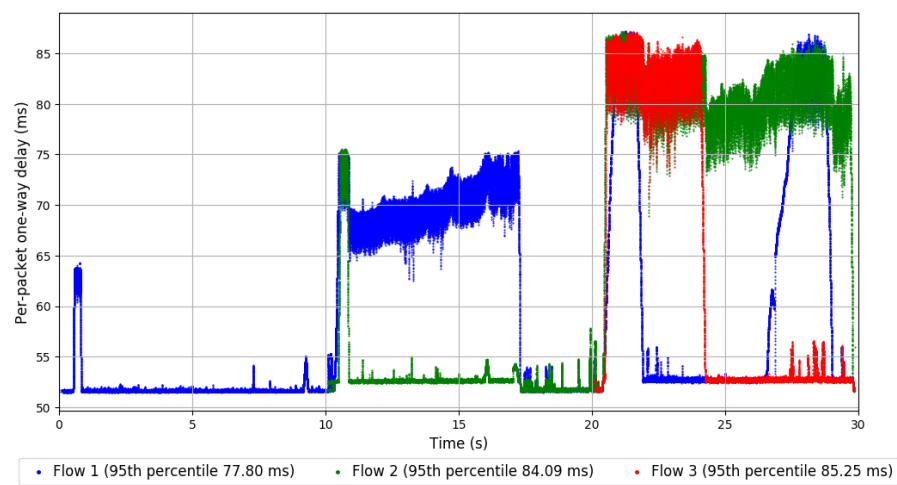
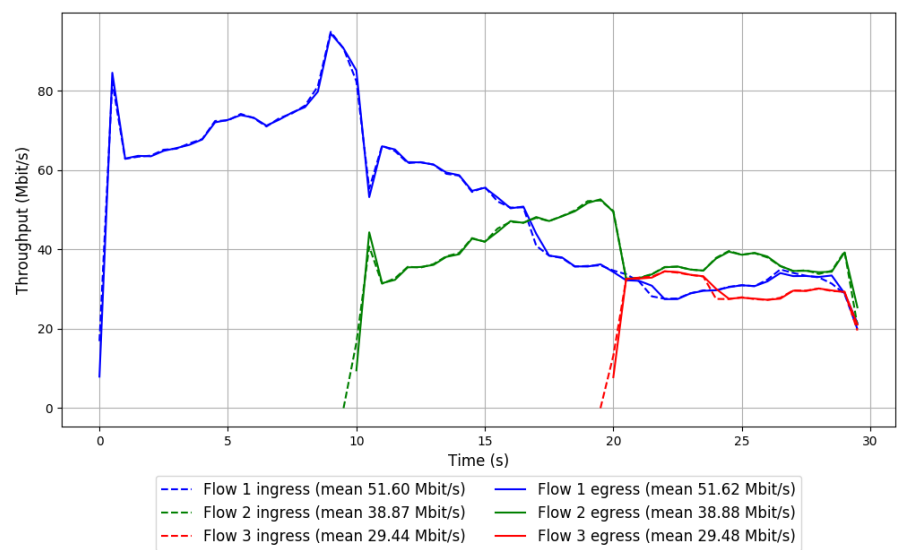
Run 7: Statistics of PCC

Start at: 2017-10-12 05:21:34  
End at: 2017-10-12 05:22:05  
Local clock offset: 3.105 ms  
Remote clock offset: -28.96 ms

# Below is generated by plot.py at 2017-10-12 09:32:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.20 Mbit/s  
95th percentile per-packet one-way delay: 83.732 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 51.62 Mbit/s  
95th percentile per-packet one-way delay: 77.802 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 38.88 Mbit/s  
95th percentile per-packet one-way delay: 84.094 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 29.48 Mbit/s  
95th percentile per-packet one-way delay: 85.247 ms  
Loss rate: 0.29%



Run 7: Report of PCC — Data Link

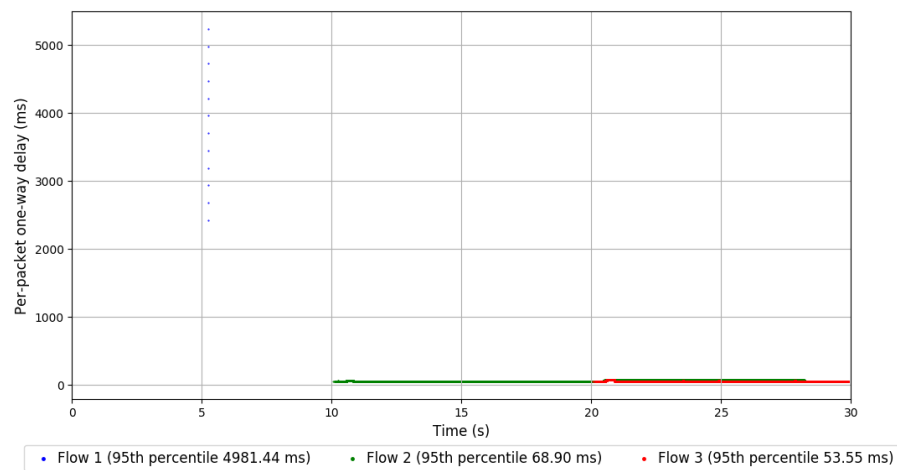
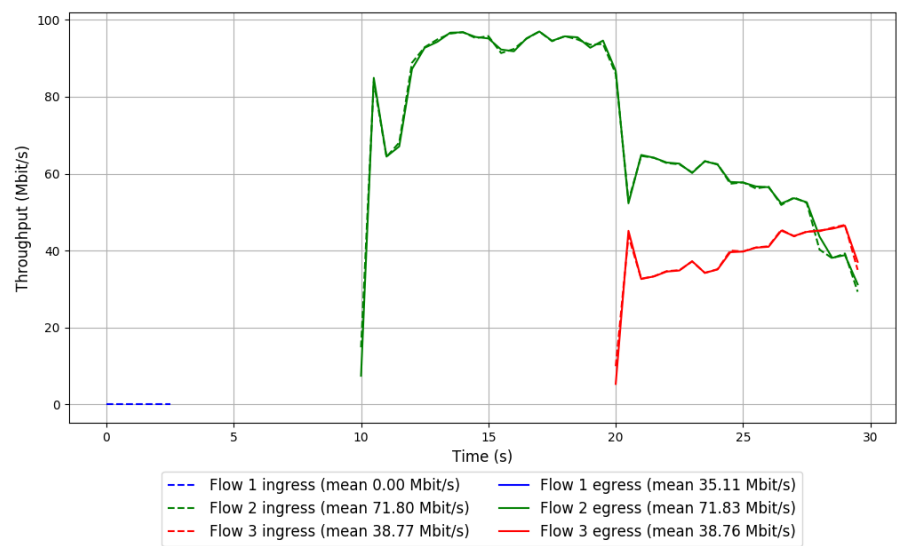


Run 8: Statistics of PCC

Start at: 2017-10-12 05:41:30  
End at: 2017-10-12 05:42:00  
Local clock offset: 1.192 ms  
Remote clock offset: -25.364 ms

# Below is generated by plot.py at 2017-10-12 09:32:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 73.24 Mbit/s  
95th percentile per-packet one-way delay: 68.796 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 35.11 Mbit/s  
95th percentile per-packet one-way delay: 4981.442 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 71.83 Mbit/s  
95th percentile per-packet one-way delay: 68.900 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 38.76 Mbit/s  
95th percentile per-packet one-way delay: 53.554 ms  
Loss rate: 0.35%

Run 8: Report of PCC — Data Link

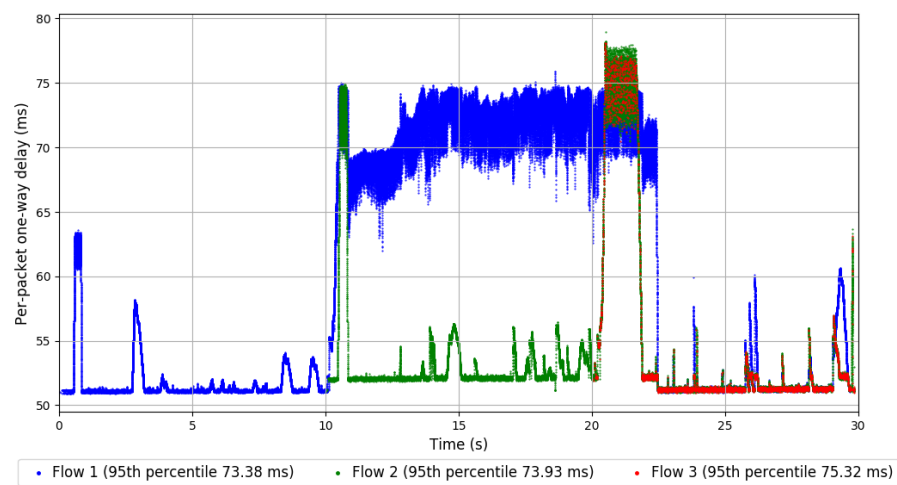
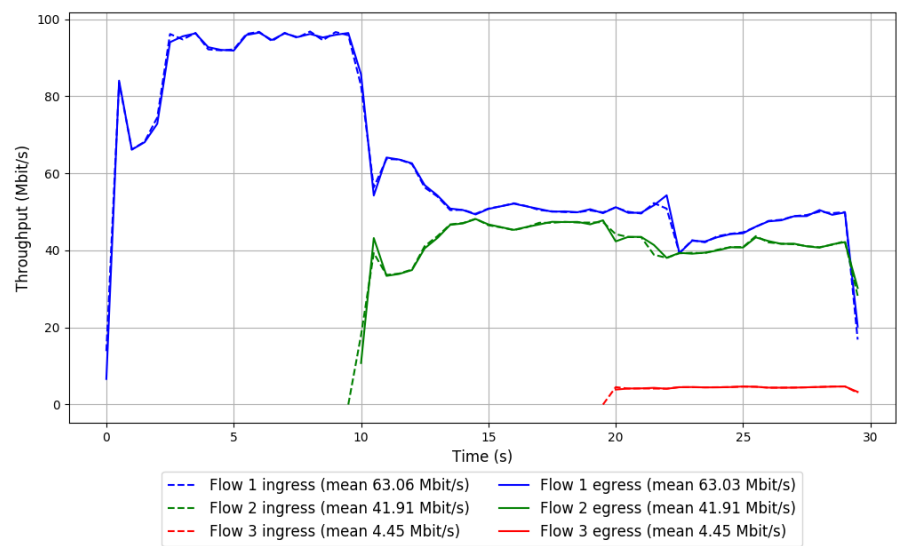


Run 9: Statistics of PCC

Start at: 2017-10-12 06:00:21  
End at: 2017-10-12 06:00:51  
Local clock offset: 3.339 ms  
Remote clock offset: -22.892 ms

# Below is generated by plot.py at 2017-10-12 09:33:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.19 Mbit/s  
95th percentile per-packet one-way delay: 73.452 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 63.03 Mbit/s  
95th percentile per-packet one-way delay: 73.379 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 41.91 Mbit/s  
95th percentile per-packet one-way delay: 73.926 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 4.45 Mbit/s  
95th percentile per-packet one-way delay: 75.323 ms  
Loss rate: 0.29%

Run 9: Report of PCC — Data Link

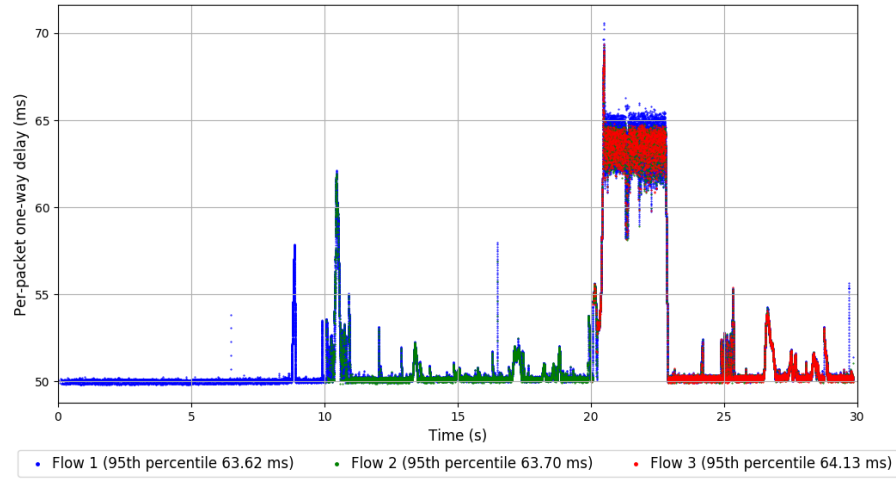
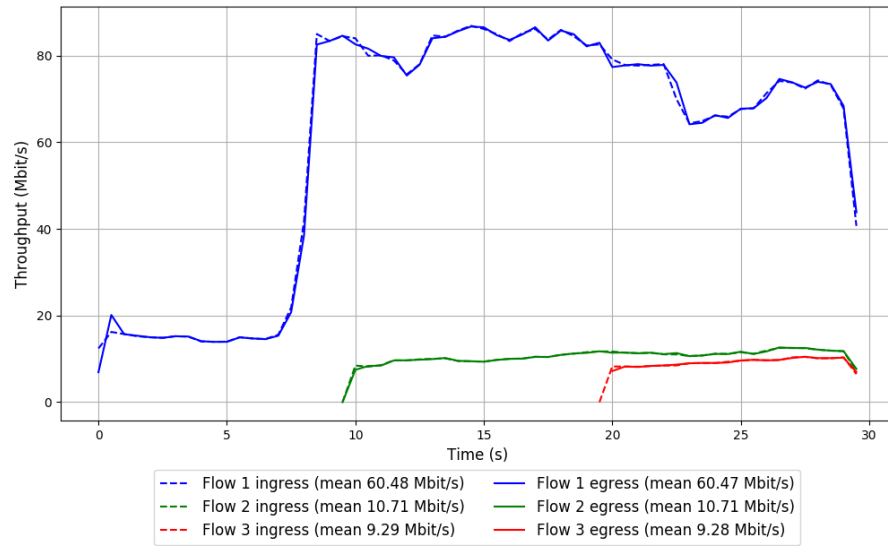


Run 10: Statistics of PCC

Start at: 2017-10-12 06:17:26  
End at: 2017-10-12 06:17:56  
Local clock offset: 0.902 ms  
Remote clock offset: -20.648 ms

# Below is generated by plot.py at 2017-10-12 09:33:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 70.66 Mbit/s  
95th percentile per-packet one-way delay: 63.683 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 60.47 Mbit/s  
95th percentile per-packet one-way delay: 63.619 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 10.71 Mbit/s  
95th percentile per-packet one-way delay: 63.697 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 9.28 Mbit/s  
95th percentile per-packet one-way delay: 64.129 ms  
Loss rate: 0.32%

# Run 10: Report of PCC — Data Link



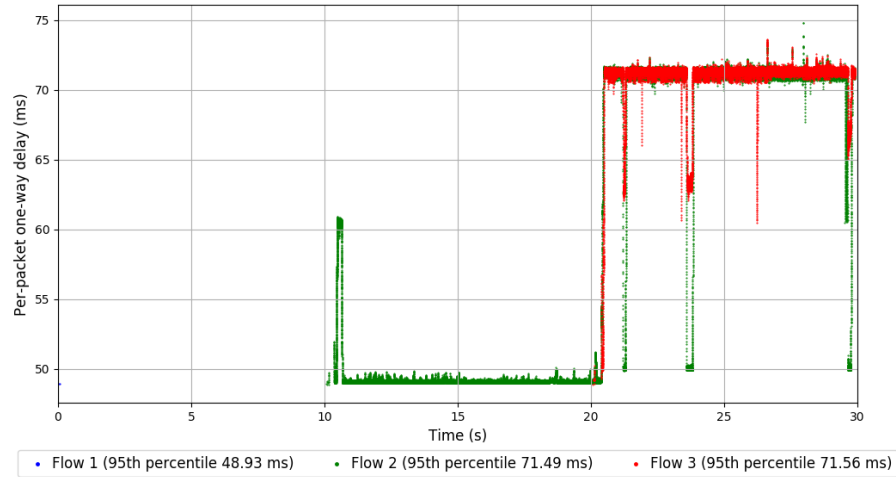
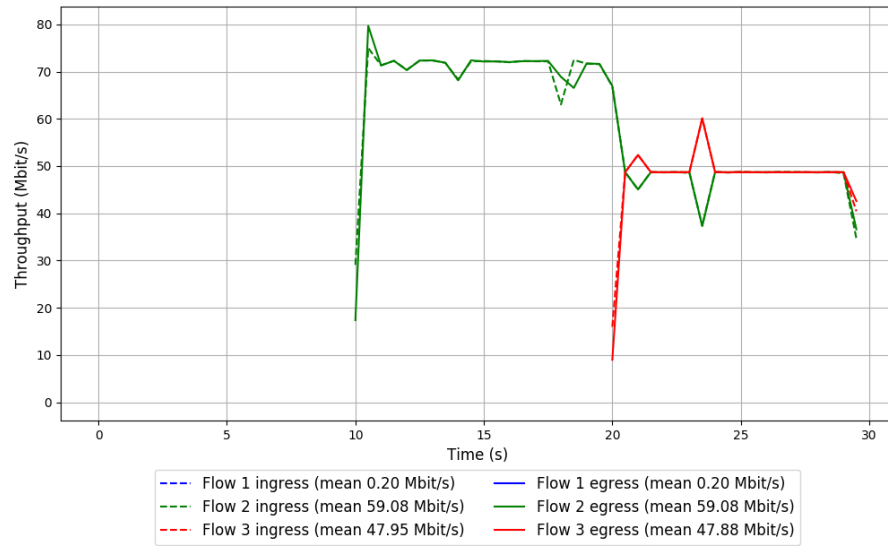
Run 1: Statistics of QUIC Cubic

Start at: 2017-10-12 03:42:18  
End at: 2017-10-12 03:42:48  
Local clock offset: 1.656 ms  
Remote clock offset: -36.785 ms

# Below is generated by plot.py at 2017-10-12 09:33:21  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 55.06 Mbit/s  
95th percentile per-packet one-way delay: 71.522 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 48.930 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 59.08 Mbit/s  
95th percentile per-packet one-way delay: 71.486 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 47.88 Mbit/s  
95th percentile per-packet one-way delay: 71.563 ms  
Loss rate: 0.51%



## Run 1: Report of QUIC Cubic — Data Link

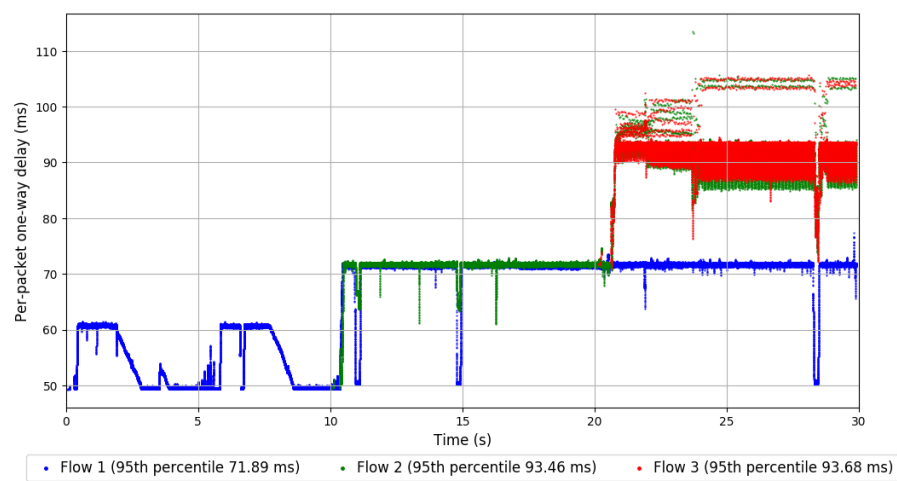
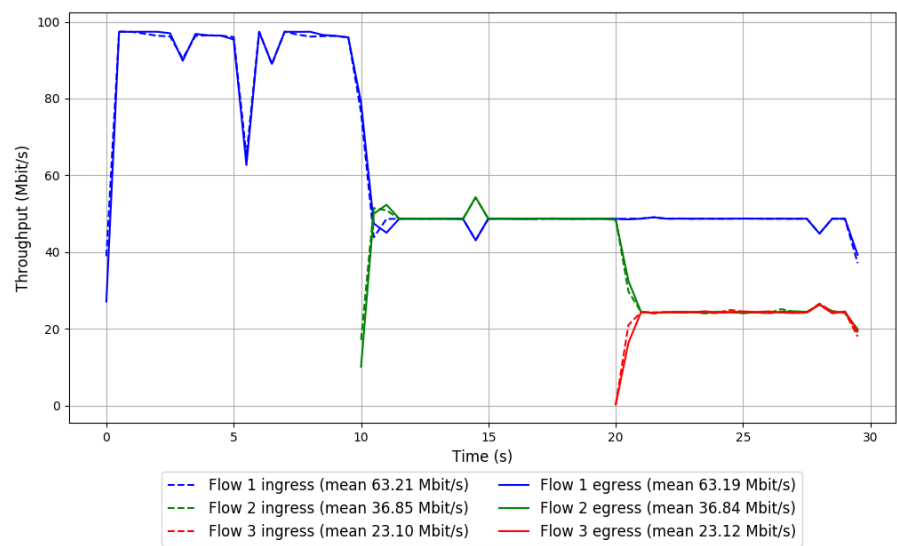


Run 2: Statistics of QUIC Cubic

Start at: 2017-10-12 03:59:15  
End at: 2017-10-12 03:59:45  
Local clock offset: 0.658 ms  
Remote clock offset: -37.416 ms

# Below is generated by plot.py at 2017-10-12 09:33:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.24 Mbit/s  
95th percentile per-packet one-way delay: 93.279 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 63.19 Mbit/s  
95th percentile per-packet one-way delay: 71.886 ms  
Loss rate: 0.15%  
-- Flow 2:  
Average throughput: 36.84 Mbit/s  
95th percentile per-packet one-way delay: 93.458 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 23.12 Mbit/s  
95th percentile per-packet one-way delay: 93.683 ms  
Loss rate: 0.72%

Run 2: Report of QUIC Cubic — Data Link

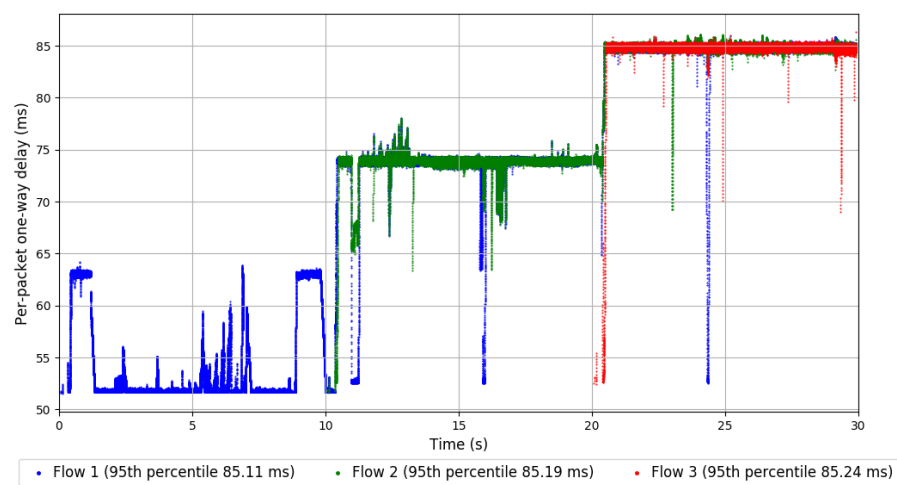
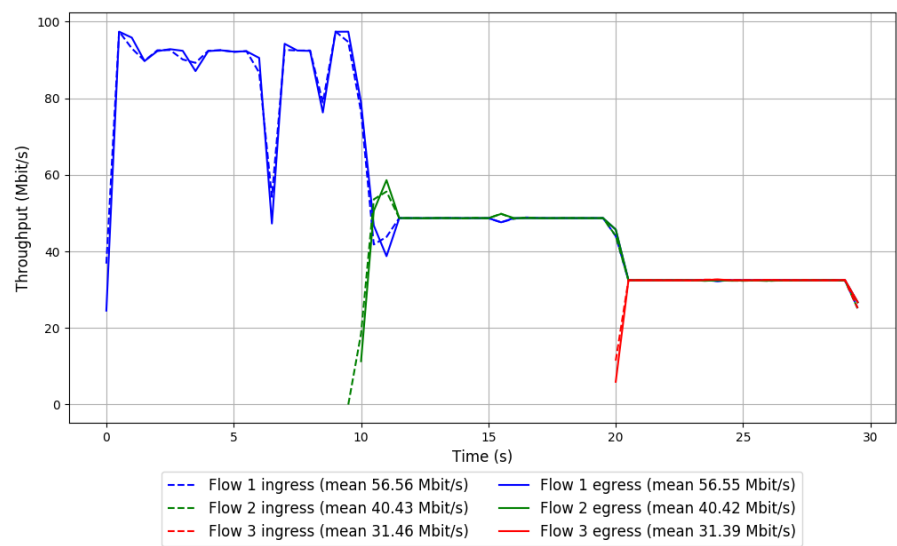


Run 3: Statistics of QUIC Cubic

Start at: 2017-10-12 04:16:07  
End at: 2017-10-12 04:16:37  
Local clock offset: 2.973 ms  
Remote clock offset: -36.457 ms

# Below is generated by plot.py at 2017-10-12 09:33:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.77 Mbit/s  
95th percentile per-packet one-way delay: 85.180 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 56.55 Mbit/s  
95th percentile per-packet one-way delay: 85.109 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 40.42 Mbit/s  
95th percentile per-packet one-way delay: 85.193 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.39 Mbit/s  
95th percentile per-packet one-way delay: 85.240 ms  
Loss rate: 0.63%

Run 3: Report of QUIC Cubic — Data Link

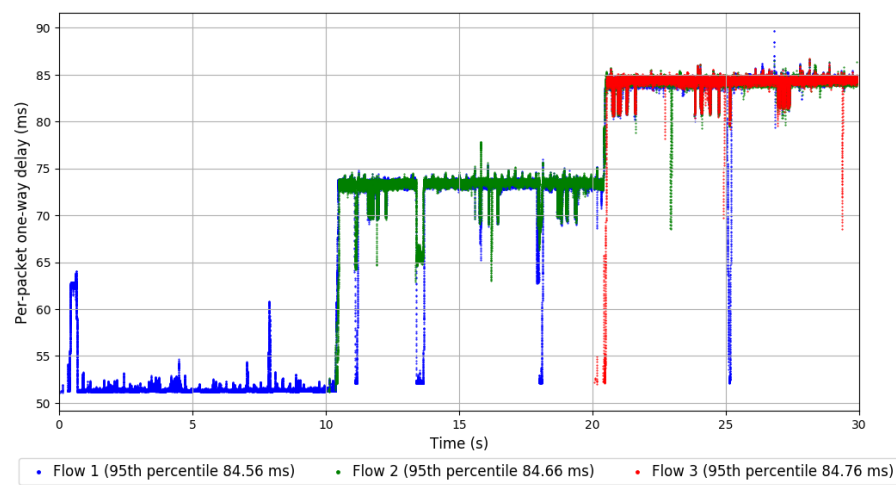
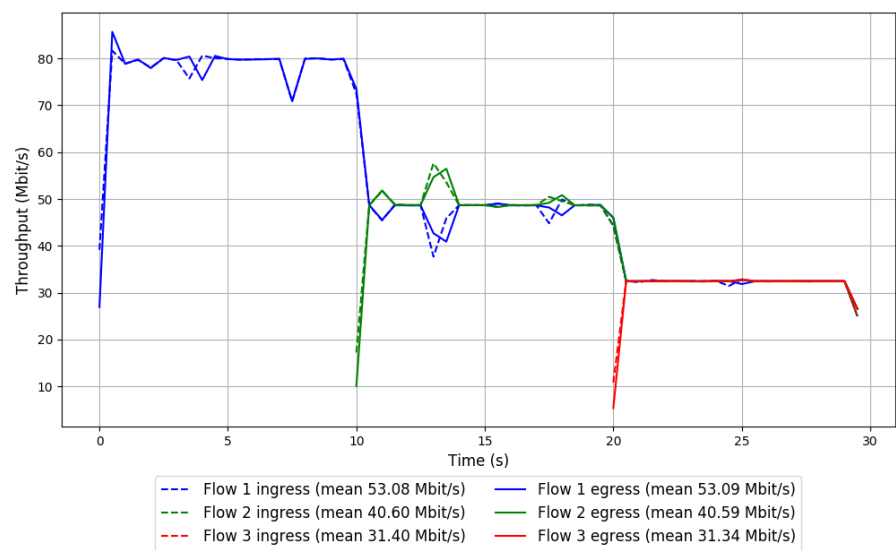


Run 4: Statistics of QUIC Cubic

Start at: 2017-10-12 04:33:00  
End at: 2017-10-12 04:33:30  
Local clock offset: 3.859 ms  
Remote clock offset: -34.417 ms

# Below is generated by plot.py at 2017-10-12 09:34:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.39 Mbit/s  
95th percentile per-packet one-way delay: 84.661 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 53.09 Mbit/s  
95th percentile per-packet one-way delay: 84.557 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 40.59 Mbit/s  
95th percentile per-packet one-way delay: 84.656 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 31.34 Mbit/s  
95th percentile per-packet one-way delay: 84.760 ms  
Loss rate: 0.63%

Run 4: Report of QUIC Cubic — Data Link



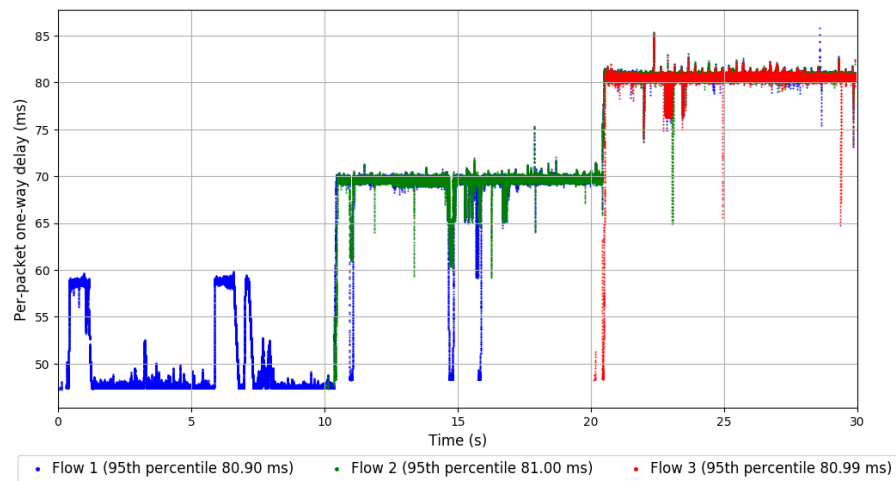
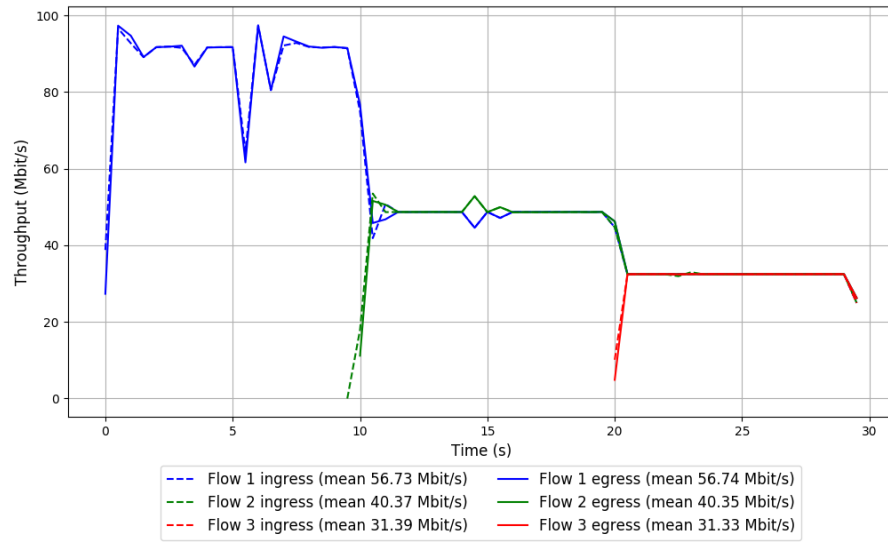
Run 5: Statistics of QUIC Cubic

Start at: 2017-10-12 04:51:09  
End at: 2017-10-12 04:51:39  
Local clock offset: 1.846 ms  
Remote clock offset: -31.269 ms

# Below is generated by plot.py at 2017-10-12 09:34:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.88 Mbit/s  
95th percentile per-packet one-way delay: 80.959 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 56.74 Mbit/s  
95th percentile per-packet one-way delay: 80.901 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 40.35 Mbit/s  
95th percentile per-packet one-way delay: 81.000 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 31.33 Mbit/s  
95th percentile per-packet one-way delay: 80.993 ms  
Loss rate: 0.64%



## Run 5: Report of QUIC Cubic — Data Link

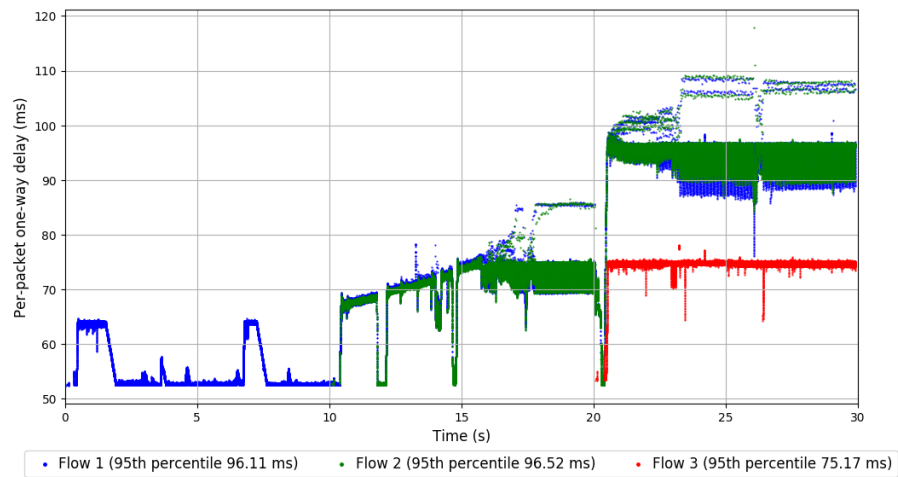
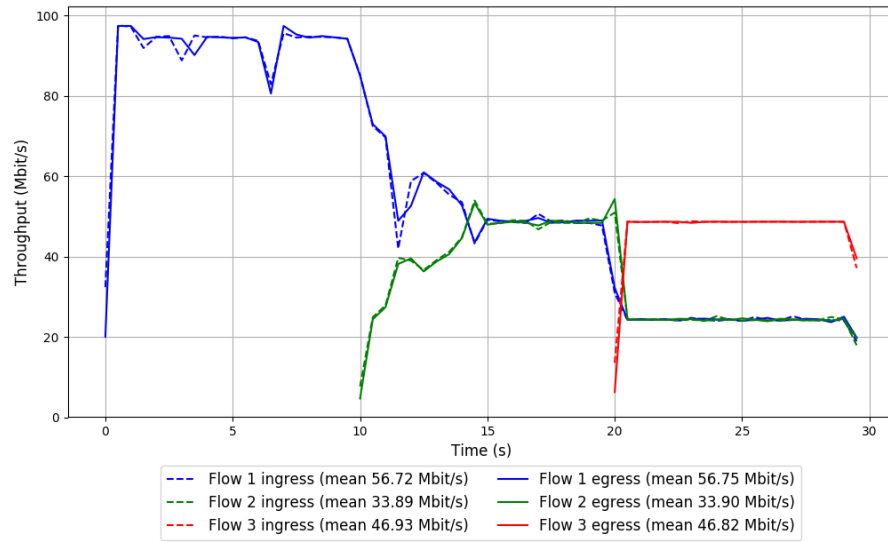


Run 6: Statistics of QUIC Cubic

Start at: 2017-10-12 05:09:25  
End at: 2017-10-12 05:09:55  
Local clock offset: 3.288 ms  
Remote clock offset: -31.561 ms

# Below is generated by plot.py at 2017-10-12 09:34:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.70 Mbit/s  
95th percentile per-packet one-way delay: 96.233 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 56.75 Mbit/s  
95th percentile per-packet one-way delay: 96.109 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 33.90 Mbit/s  
95th percentile per-packet one-way delay: 96.516 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 46.82 Mbit/s  
95th percentile per-packet one-way delay: 75.167 ms  
Loss rate: 0.52%

## Run 6: Report of QUIC Cubic — Data Link

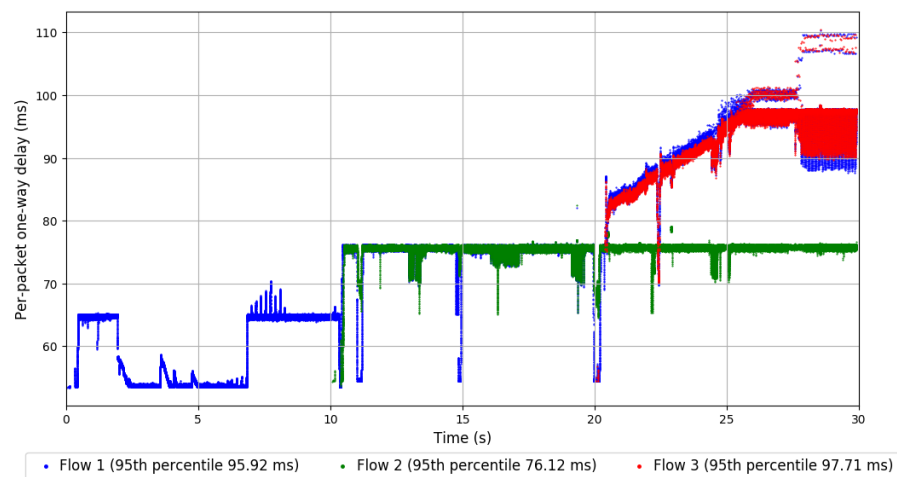
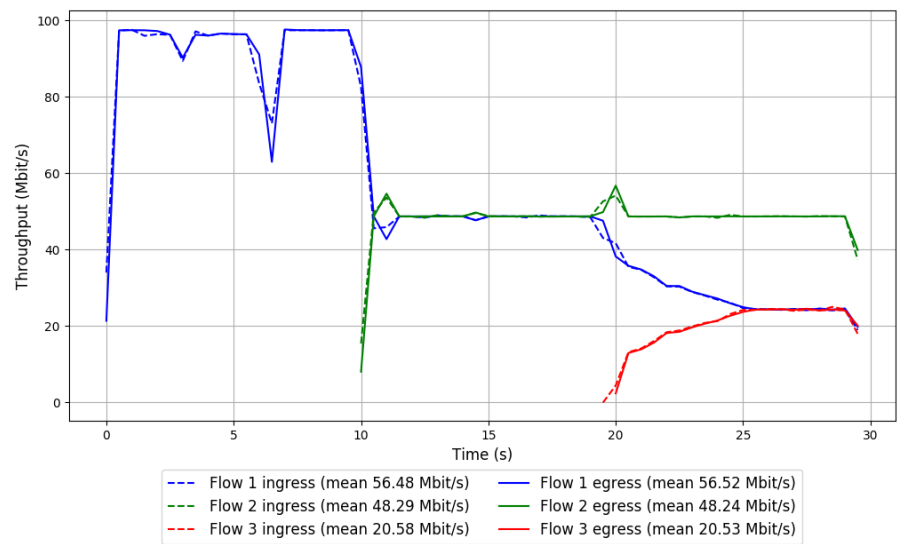


Run 7: Statistics of QUIC Cubic

Start at: 2017-10-12 05:26:57  
End at: 2017-10-12 05:27:27  
Local clock offset: 3.815 ms  
Remote clock offset: -29.296 ms

# Below is generated by plot.py at 2017-10-12 09:34:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.34 Mbit/s  
95th percentile per-packet one-way delay: 96.282 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 56.52 Mbit/s  
95th percentile per-packet one-way delay: 95.924 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 48.24 Mbit/s  
95th percentile per-packet one-way delay: 76.124 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 20.53 Mbit/s  
95th percentile per-packet one-way delay: 97.706 ms  
Loss rate: 0.76%

Run 7: Report of QUIC Cubic — Data Link

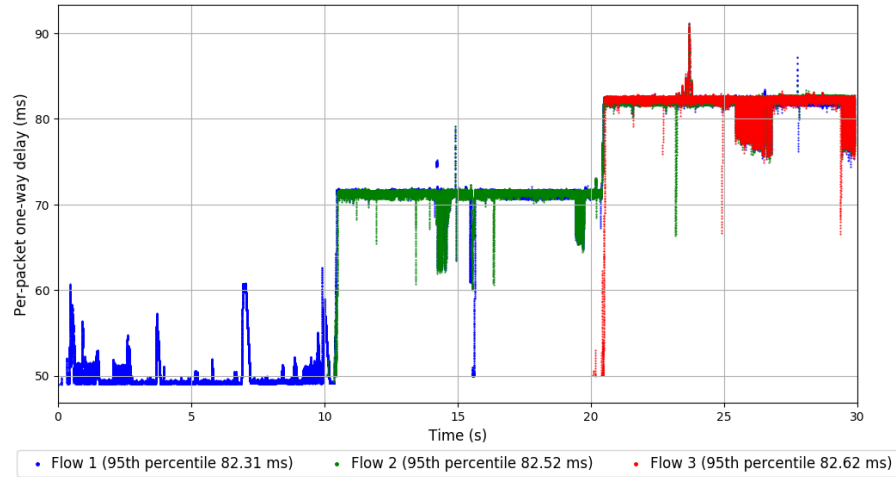
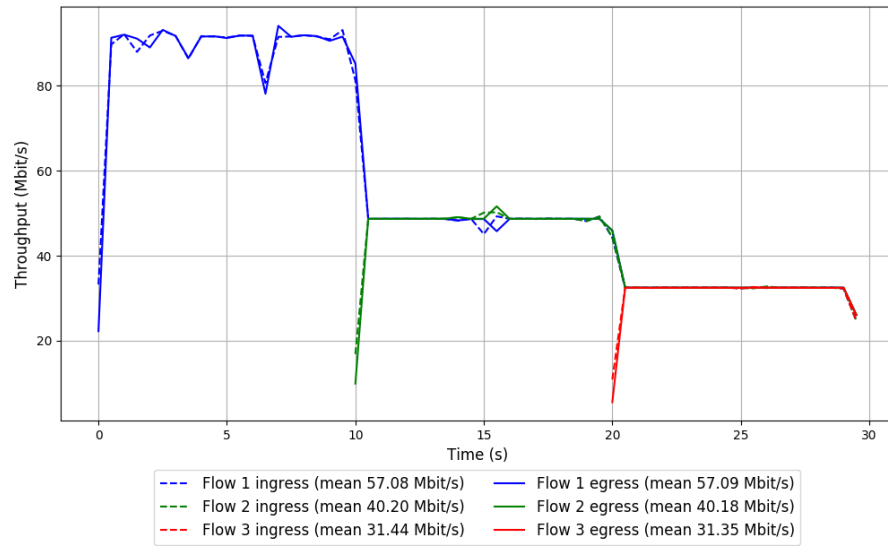


Run 8: Statistics of QUIC Cubic

Start at: 2017-10-12 05:47:26  
End at: 2017-10-12 05:47:56  
Local clock offset: 1.0 ms  
Remote clock offset: -25.025 ms

# Below is generated by plot.py at 2017-10-12 09:34:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.11 Mbit/s  
95th percentile per-packet one-way delay: 82.488 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 57.09 Mbit/s  
95th percentile per-packet one-way delay: 82.315 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.18 Mbit/s  
95th percentile per-packet one-way delay: 82.518 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.35 Mbit/s  
95th percentile per-packet one-way delay: 82.618 ms  
Loss rate: 0.61%

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



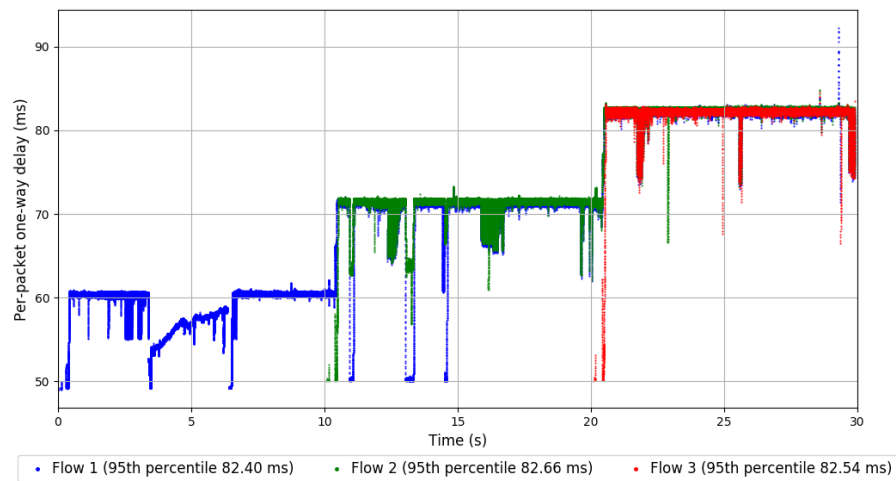
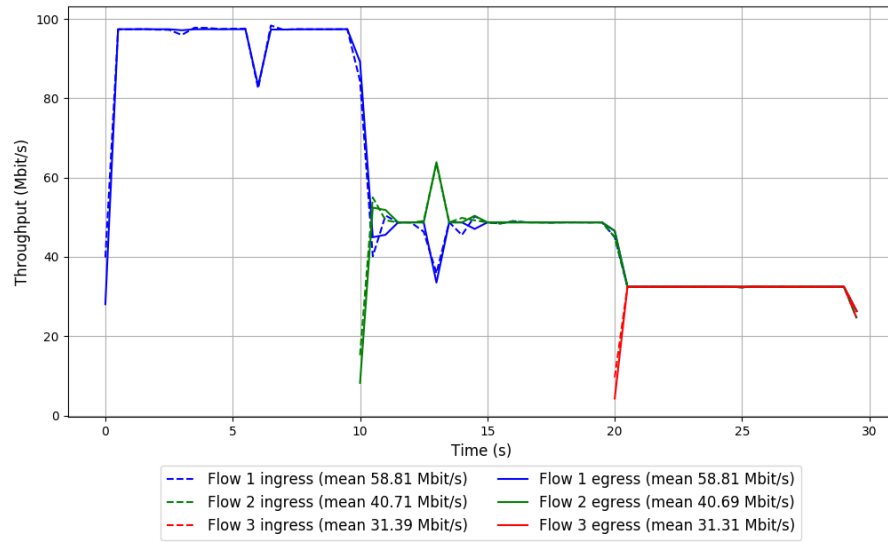
Run 9: Statistics of QUIC Cubic

Start at: 2017-10-12 06:05:04  
End at: 2017-10-12 06:05:34  
Local clock offset: 0.684 ms  
Remote clock offset: -22.686 ms

# Below is generated by plot.py at 2017-10-12 09:35:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.13 Mbit/s  
95th percentile per-packet one-way delay: 82.551 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 58.81 Mbit/s  
95th percentile per-packet one-way delay: 82.397 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 40.69 Mbit/s  
95th percentile per-packet one-way delay: 82.657 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 31.31 Mbit/s  
95th percentile per-packet one-way delay: 82.541 ms  
Loss rate: 0.57%



# Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-10-12 06:22:16

End at: 2017-10-12 06:22:46

Local clock offset: 1.16 ms

Remote clock offset: -18.389 ms

# Below is generated by plot.py at 2017-10-12 09:35:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 82.584 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 50.75 Mbit/s

95th percentile per-packet one-way delay: 82.597 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 40.97 Mbit/s

95th percentile per-packet one-way delay: 82.537 ms

Loss rate: 0.24%

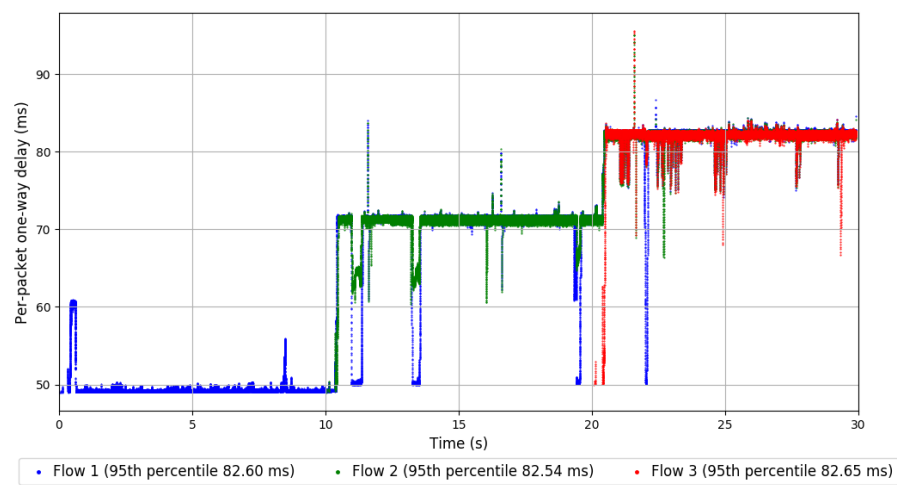
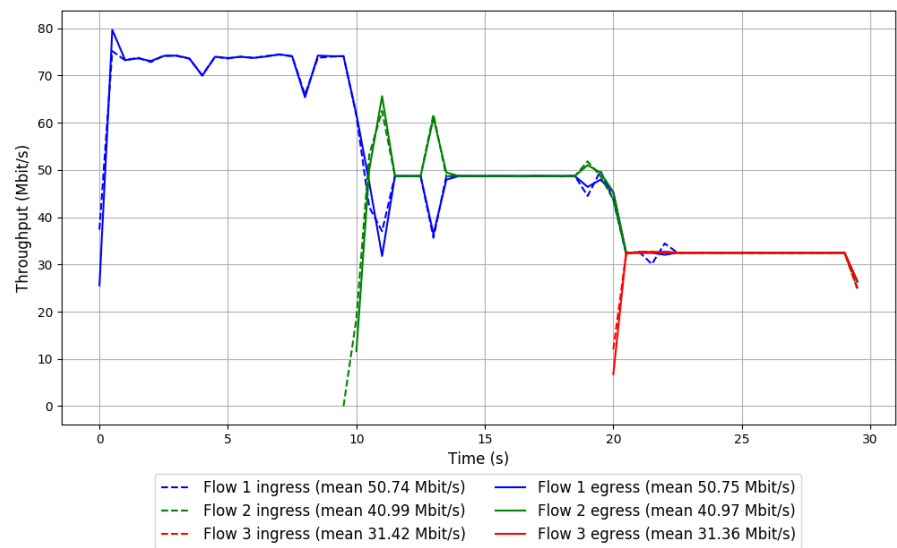
-- Flow 3:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 82.649 ms

Loss rate: 0.63%

Run 10: Report of QUIC Cubic — Data Link

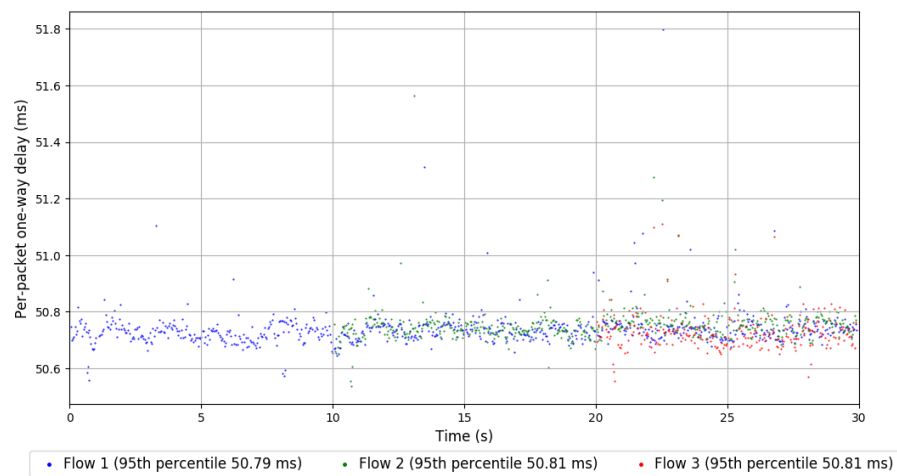
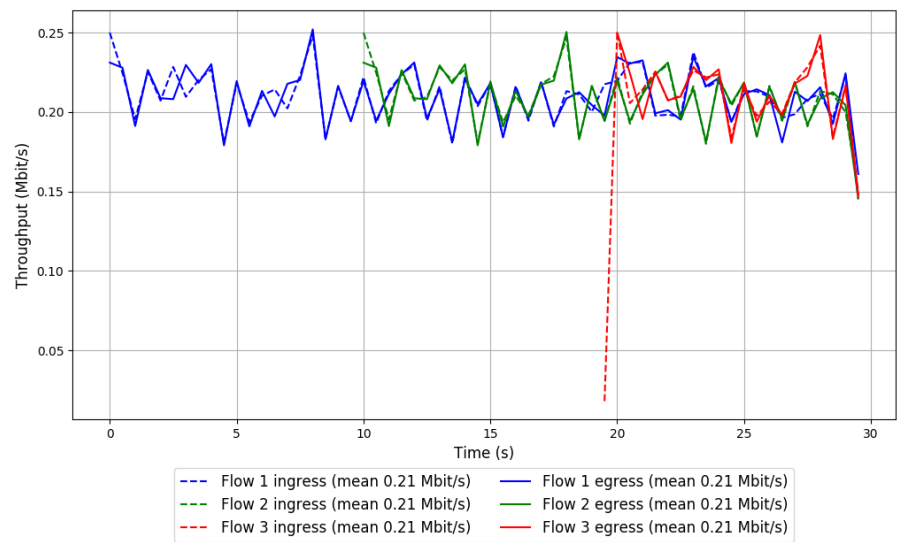


Run 1: Statistics of SReAM

Start at: 2017-10-12 03:36:14  
End at: 2017-10-12 03:36:44  
Local clock offset: 3.967 ms  
Remote clock offset: -36.354 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 50.806 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 50.791 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 50.807 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 50.814 ms  
Loss rate: 0.35%

Run 1: Report of SCReAM — Data Link

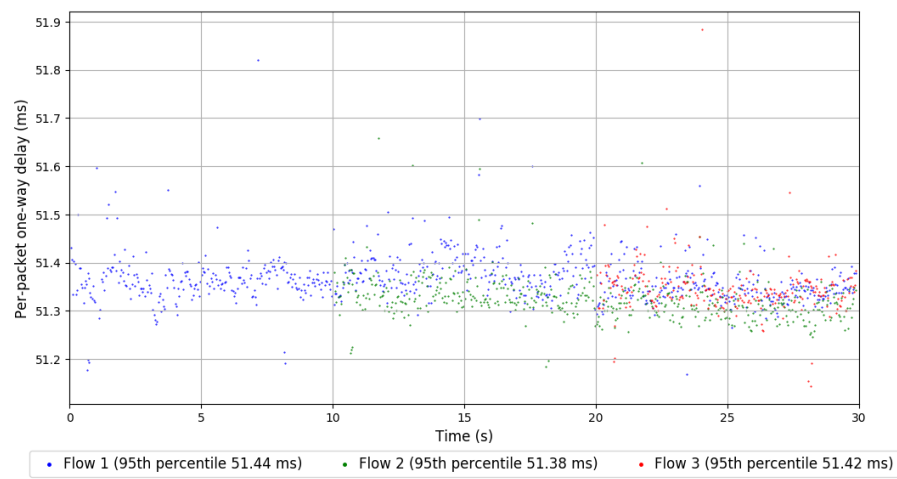
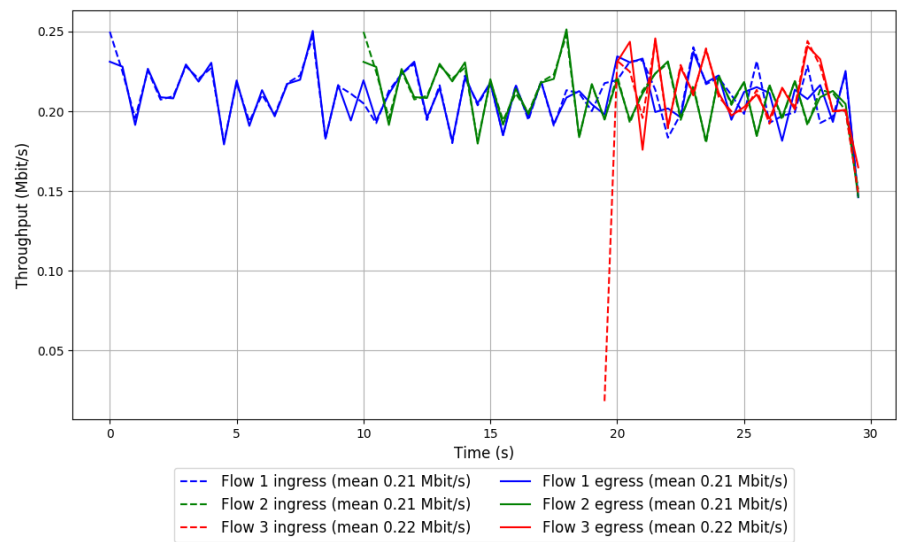


Run 2: Statistics of SCReAM

Start at: 2017-10-12 03:53:13  
End at: 2017-10-12 03:53:43  
Local clock offset: 4.117 ms  
Remote clock offset: -36.11 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 51.432 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 51.443 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 51.380 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 51.416 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



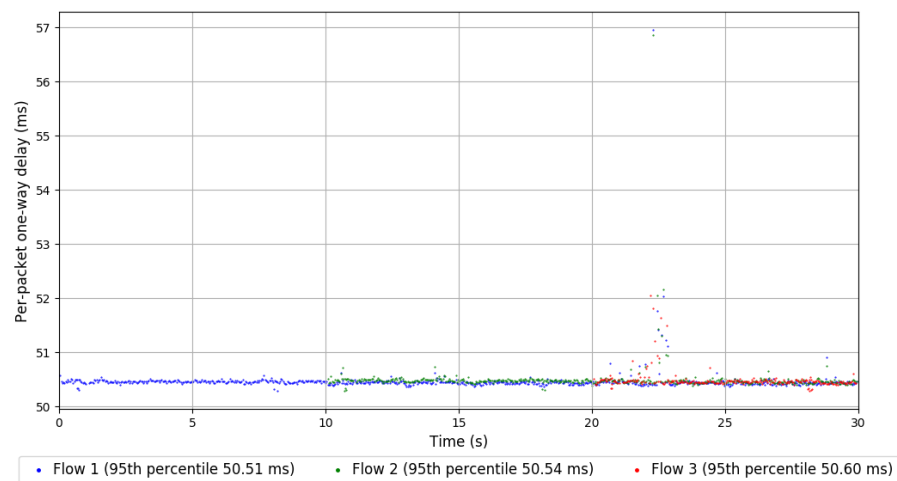
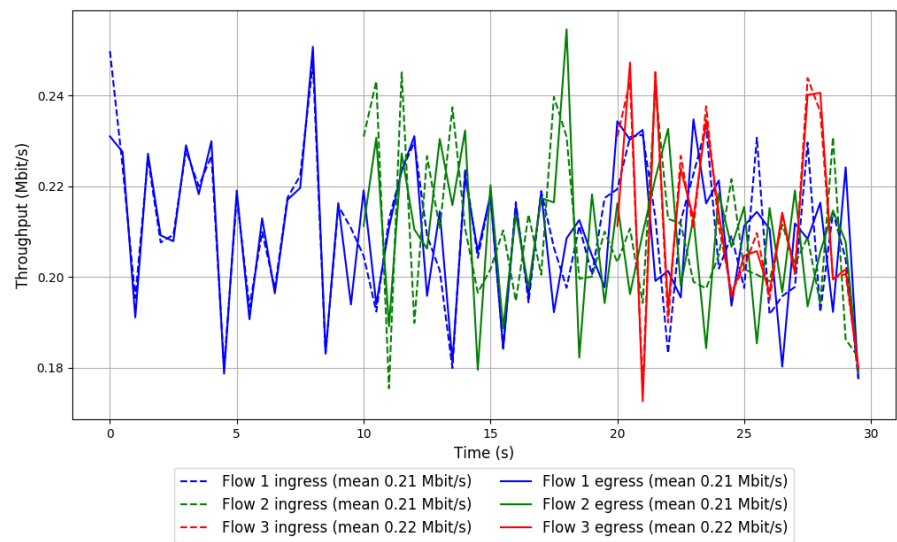
Run 3: Statistics of SReAM

Start at: 2017-10-12 04:10:11  
End at: 2017-10-12 04:10:41  
Local clock offset: 2.55 ms  
Remote clock offset: -35.928 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 50.533 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 50.509 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 50.536 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 50.604 ms  
Loss rate: 0.35%



Run 3: Report of SReAM — Data Link

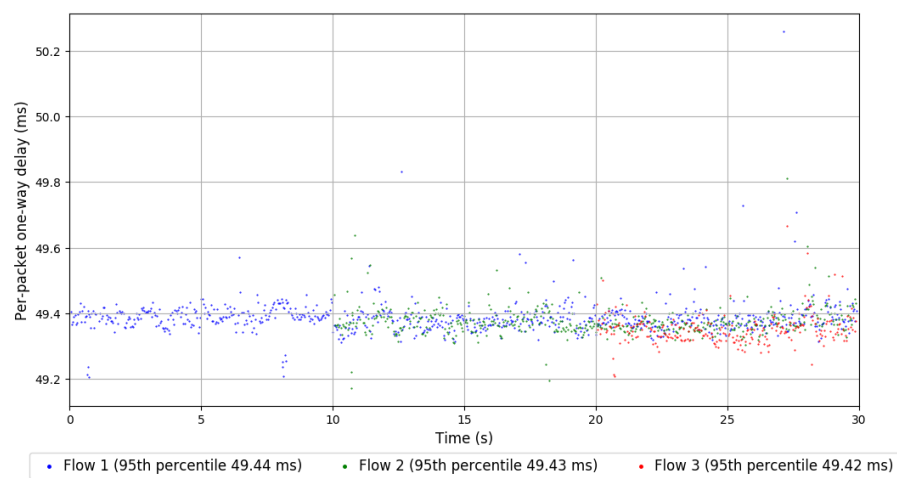
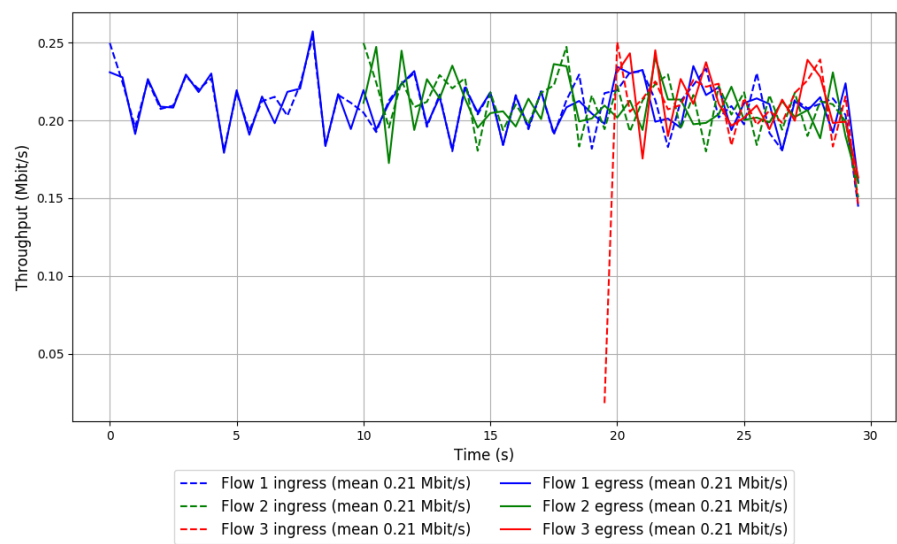


Run 4: Statistics of SReAM

Start at: 2017-10-12 04:26:56  
End at: 2017-10-12 04:27:26  
Local clock offset: 3.466 ms  
Remote clock offset: -33.108 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 49.438 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.441 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.434 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.422 ms  
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

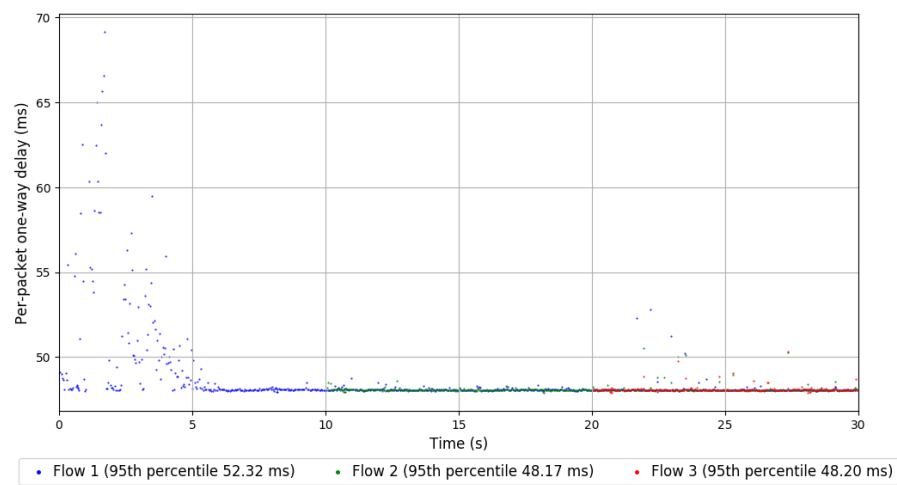
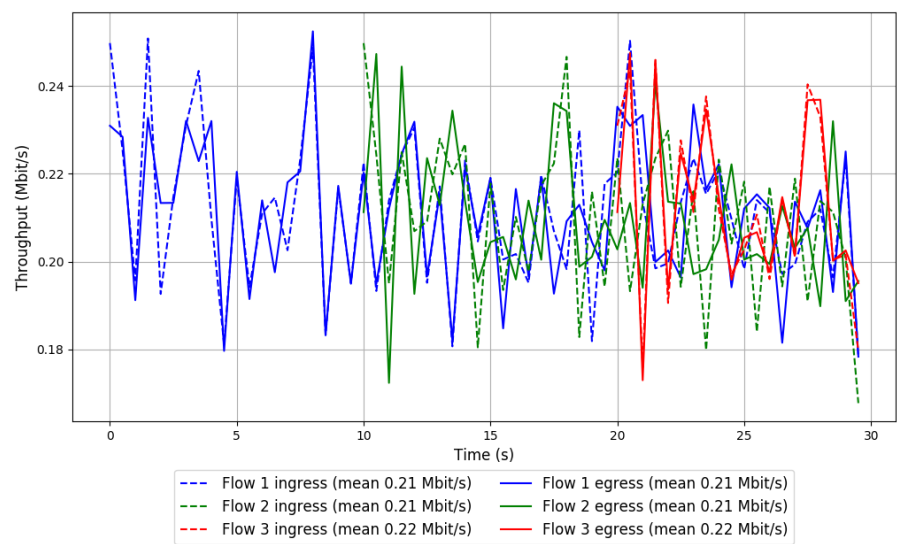


Run 5: Statistics of SReAM

Start at: 2017-10-12 04:44:52  
End at: 2017-10-12 04:45:22  
Local clock offset: 1.261 ms  
Remote clock offset: -33.442 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 49.787 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 52.317 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 48.171 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.205 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

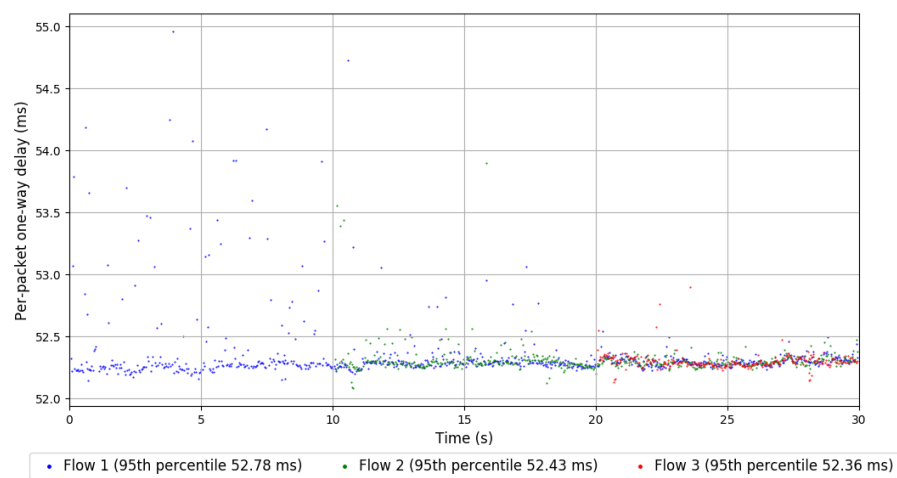
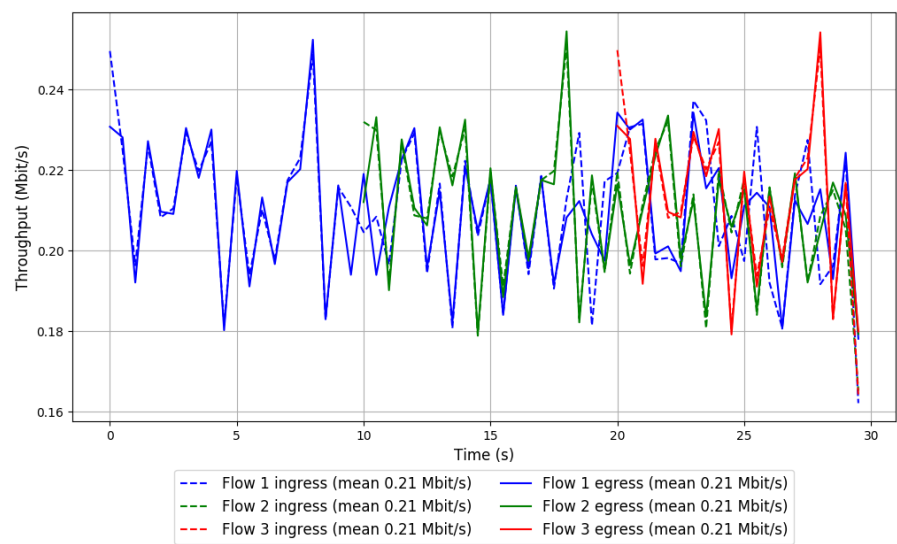


Run 6: Statistics of SReAM

Start at: 2017-10-12 05:03:26  
End at: 2017-10-12 05:03:56  
Local clock offset: 3.152 ms  
Remote clock offset: -32.379 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 52.489 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 52.785 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 52.430 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 52.362 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



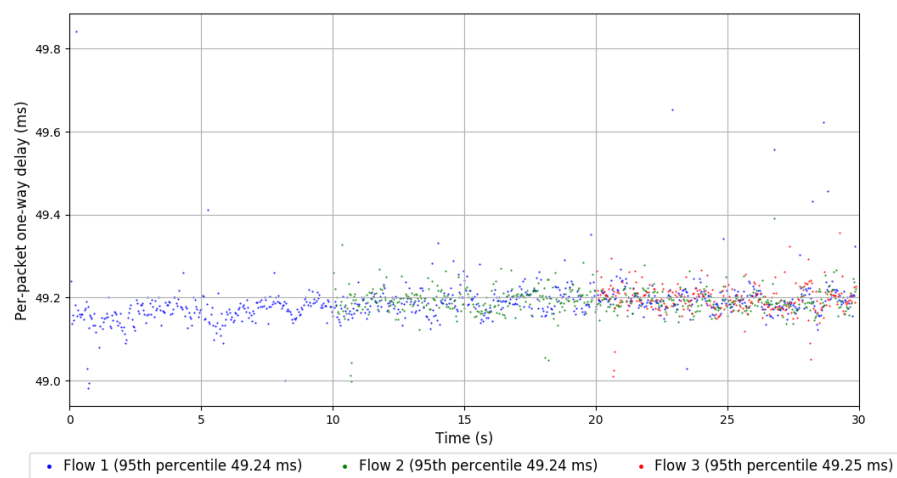
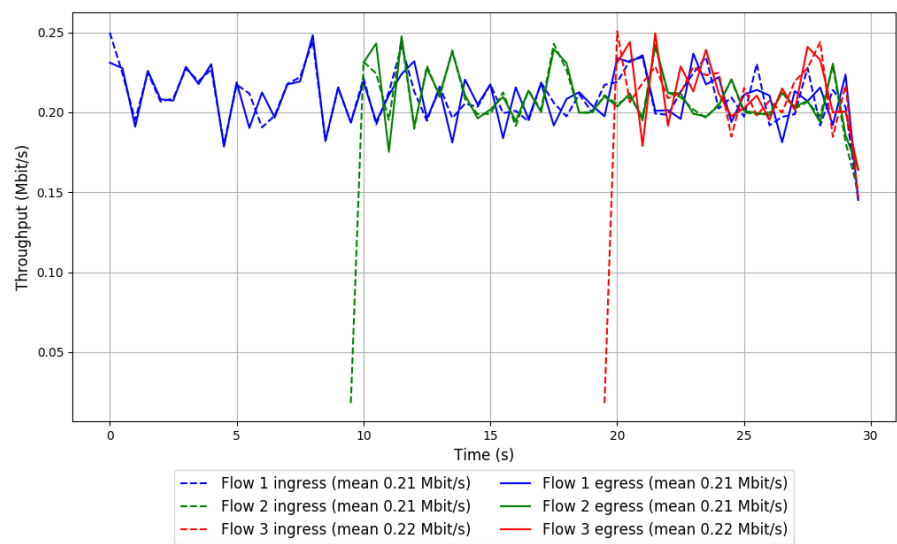
Run 7: Statistics of SReAM

Start at: 2017-10-12 05:20:29  
End at: 2017-10-12 05:20:59  
Local clock offset: 0.775 ms  
Remote clock offset: -28.942 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 49.241 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.239 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.240 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 49.252 ms  
Loss rate: 0.35%



Run 7: Report of SReAM — Data Link

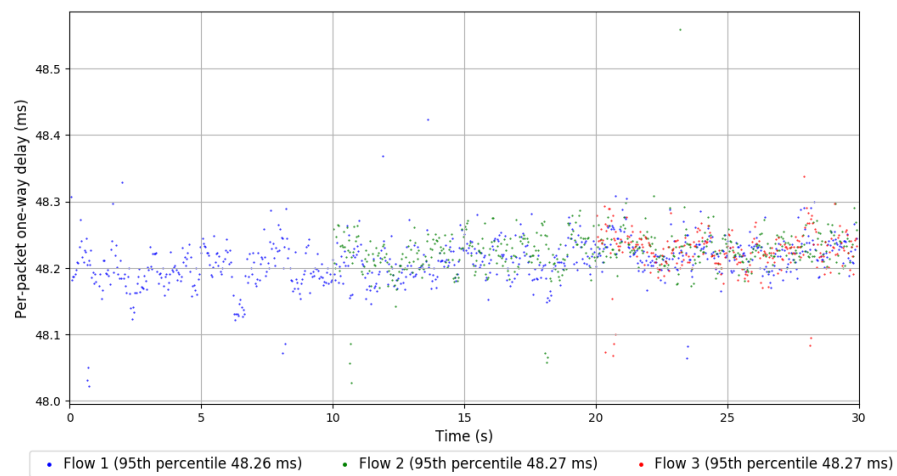
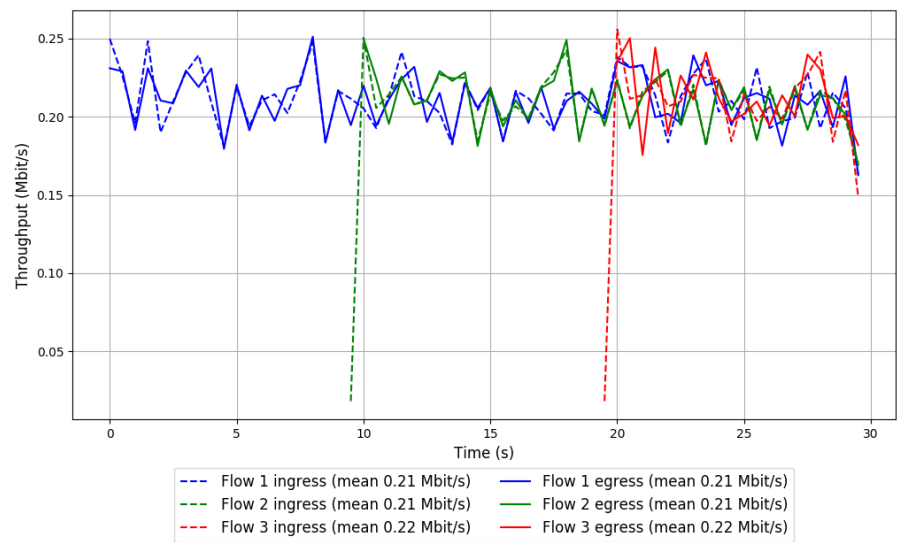


Run 8: Statistics of SReAM

Start at: 2017-10-12 05:40:20  
End at: 2017-10-12 05:40:50  
Local clock offset: 0.477 ms  
Remote clock offset: -25.421 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 48.267 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 48.261 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 48.268 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 48.271 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

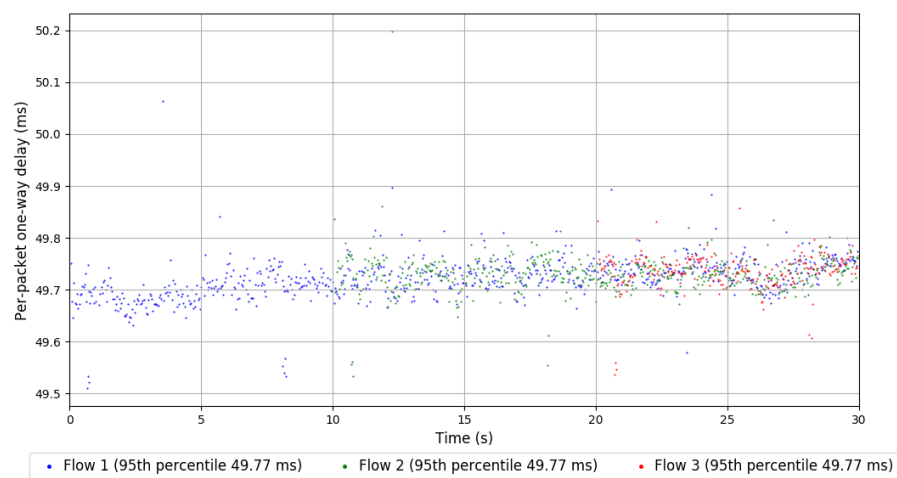
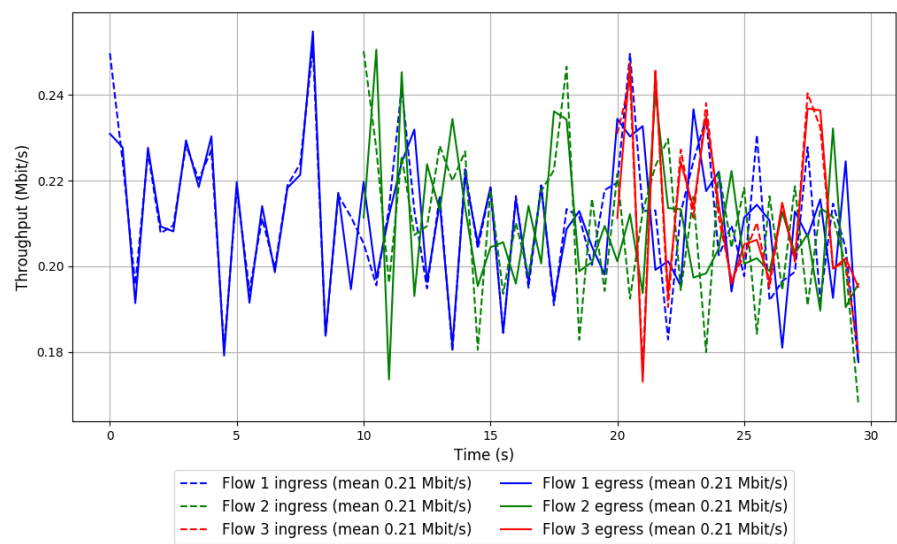


Run 9: Statistics of SReAM

Start at: 2017-10-12 05:59:11  
End at: 2017-10-12 05:59:41  
Local clock offset: 0.789 ms  
Remote clock offset: -24.231 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 49.771 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.770 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.773 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 49.771 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

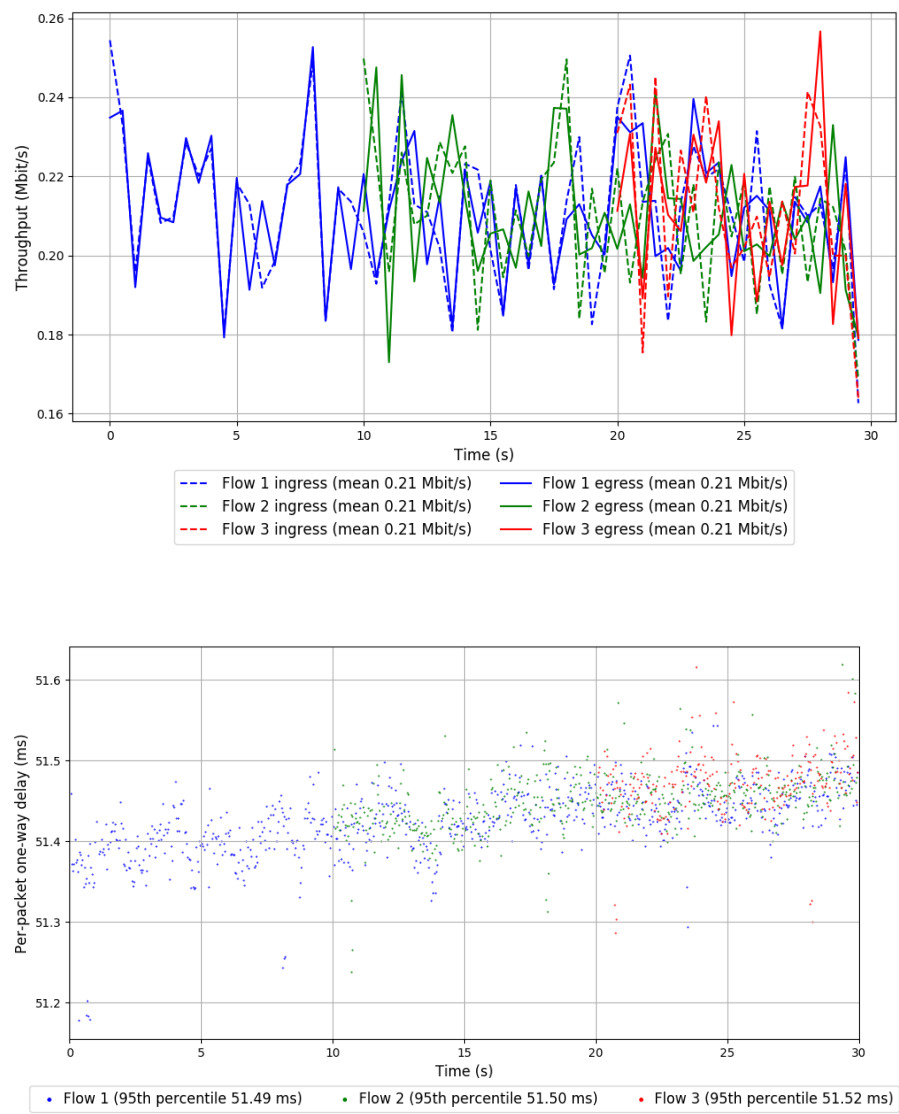


Run 10: Statistics of SReAM

Start at: 2017-10-12 06:16:00  
End at: 2017-10-12 06:16:30  
Local clock offset: 0.837 ms  
Remote clock offset: -22.381 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 51.504 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 51.486 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 51.501 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 51.524 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



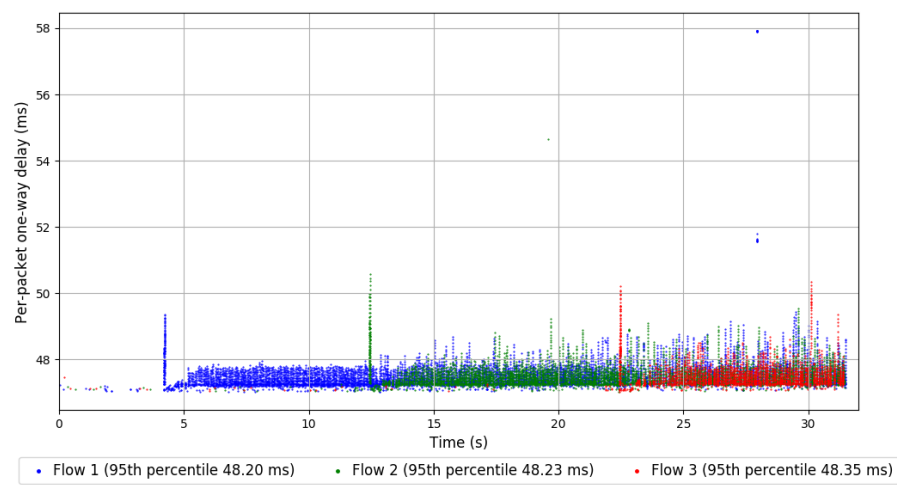
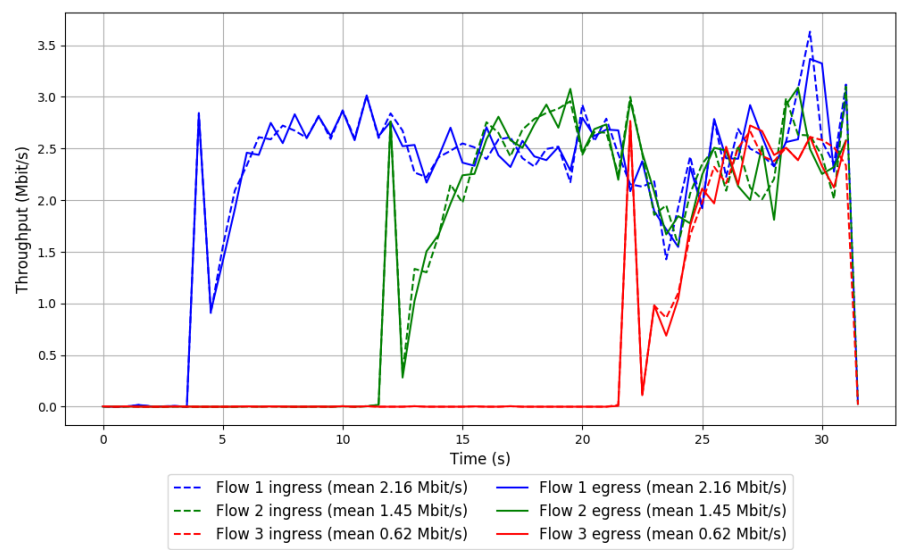
Run 1: Statistics of WebRTC media

Start at: 2017-10-12 03:52:07  
End at: 2017-10-12 03:52:37  
Local clock offset: 0.766 ms  
Remote clock offset: -35.396 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.20 Mbit/s  
95th percentile per-packet one-way delay: 48.235 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 2.16 Mbit/s  
95th percentile per-packet one-way delay: 48.198 ms  
Loss rate: 0.17%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 48.225 ms  
Loss rate: 0.60%  
-- Flow 3:  
Average throughput: 0.62 Mbit/s  
95th percentile per-packet one-way delay: 48.353 ms  
Loss rate: 1.10%



Run 1: Report of WebRTC media — Data Link

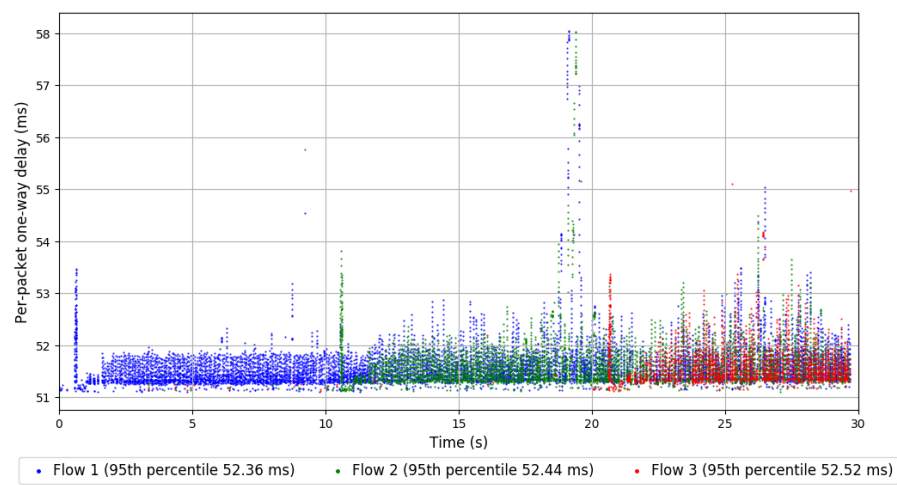
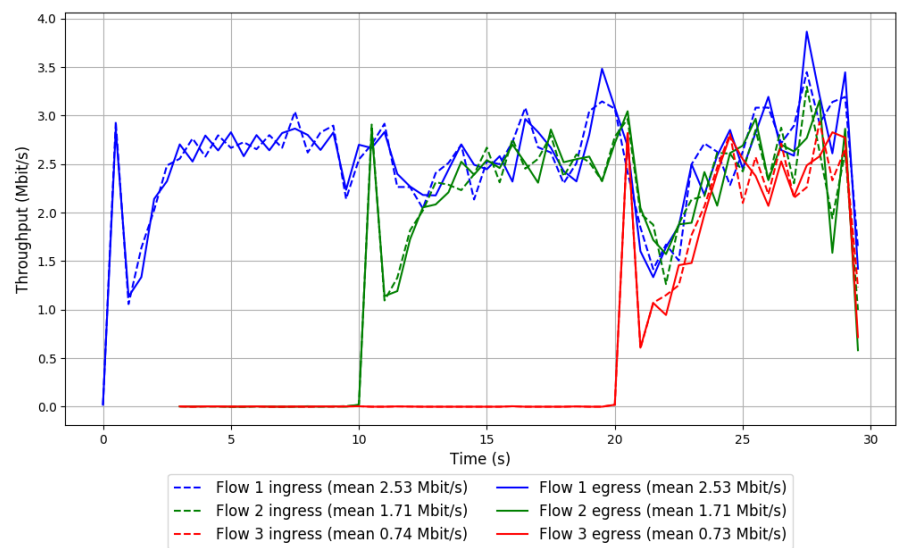


Run 2: Statistics of WebRTC media

Start at: 2017-10-12 04:09:05  
End at: 2017-10-12 04:09:35  
Local clock offset: 1.024 ms  
Remote clock offset: -38.379 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.70 Mbit/s  
95th percentile per-packet one-way delay: 52.410 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 2.53 Mbit/s  
95th percentile per-packet one-way delay: 52.359 ms  
Loss rate: 0.33%  
-- Flow 2:  
Average throughput: 1.71 Mbit/s  
95th percentile per-packet one-way delay: 52.439 ms  
Loss rate: 0.59%  
-- Flow 3:  
Average throughput: 0.73 Mbit/s  
95th percentile per-packet one-way delay: 52.520 ms  
Loss rate: 1.31%

Run 2: Report of WebRTC media — Data Link

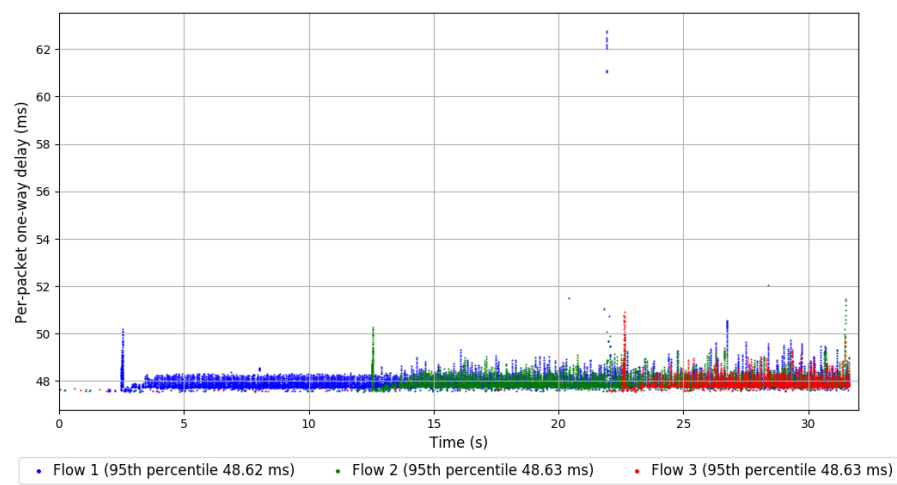
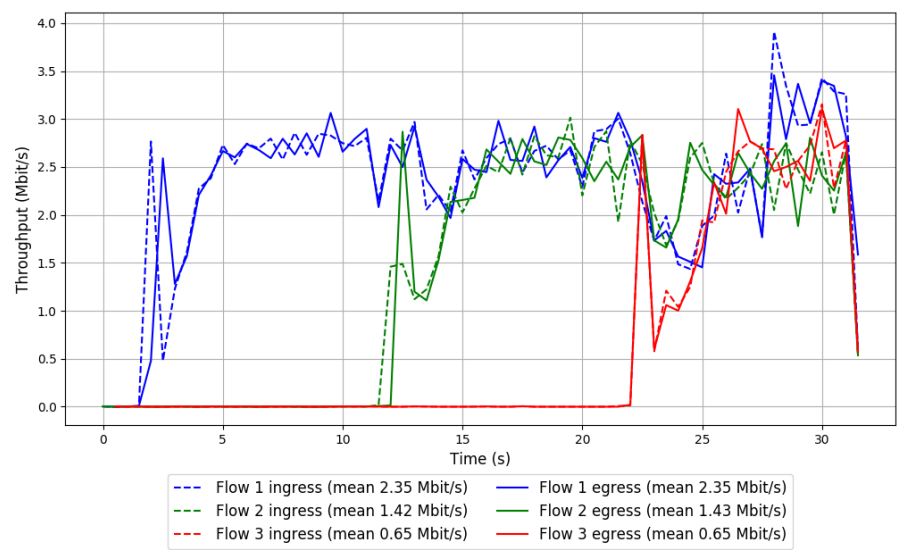


Run 3: Statistics of WebRTC media

Start at: 2017-10-12 04:25:50  
End at: 2017-10-12 04:26:20  
Local clock offset: 1.189 ms  
Remote clock offset: -33.807 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.42 Mbit/s  
95th percentile per-packet one-way delay: 48.625 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 48.621 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.43 Mbit/s  
95th percentile per-packet one-way delay: 48.635 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.65 Mbit/s  
95th percentile per-packet one-way delay: 48.626 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

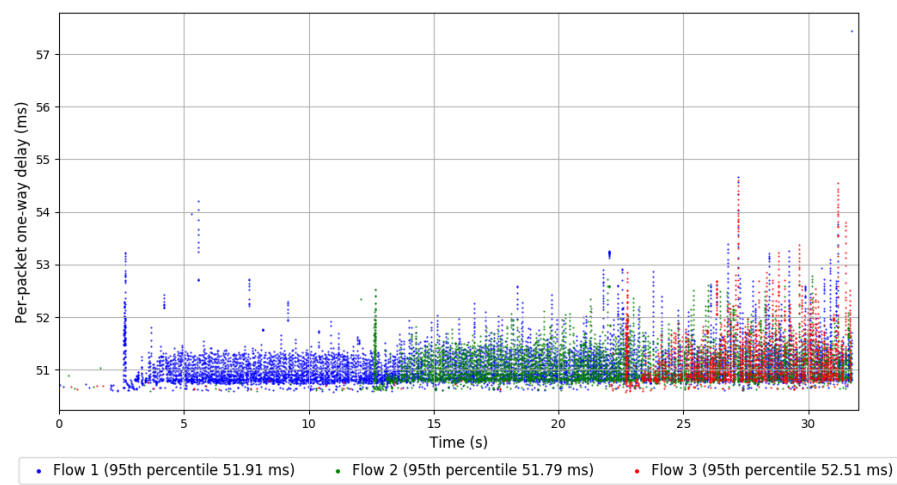
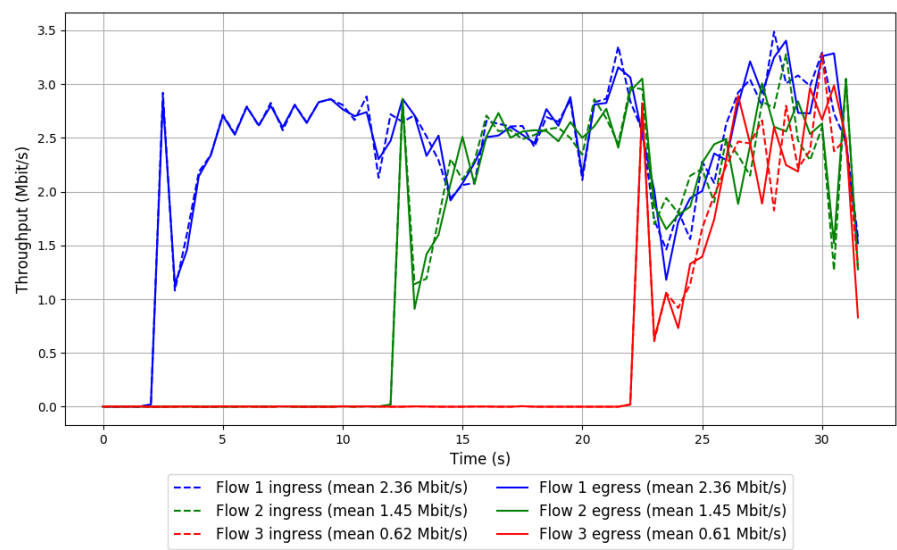


Run 4: Statistics of WebRTC media

Start at: 2017-10-12 04:43:45  
End at: 2017-10-12 04:44:15  
Local clock offset: 3.707 ms  
Remote clock offset: -33.732 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.39 Mbit/s  
95th percentile per-packet one-way delay: 51.955 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 51.912 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 51.787 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.61 Mbit/s  
95th percentile per-packet one-way delay: 52.506 ms  
Loss rate: 1.24%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-10-12 05:02:20

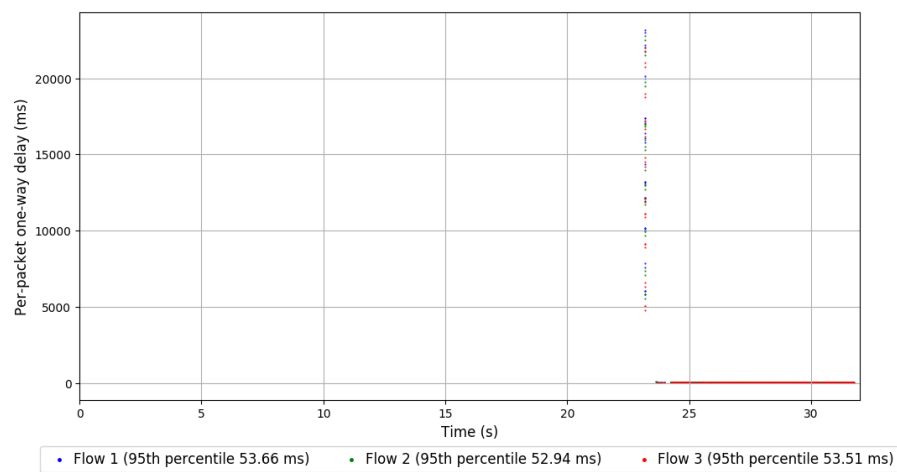
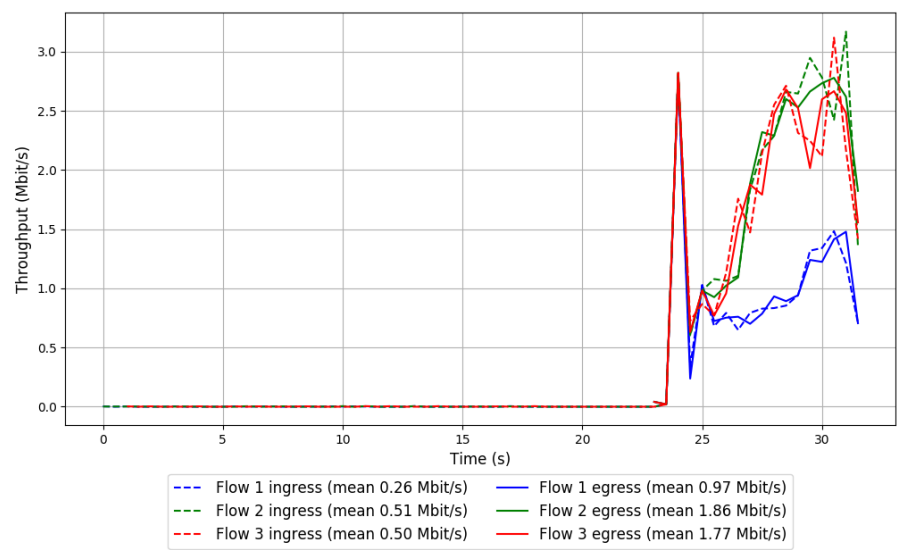
End at: 2017-10-12 05:02:50

Local clock offset: 3.141 ms

Remote clock offset: -32.114 ms



Run 5: Report of WebRTC media — Data Link

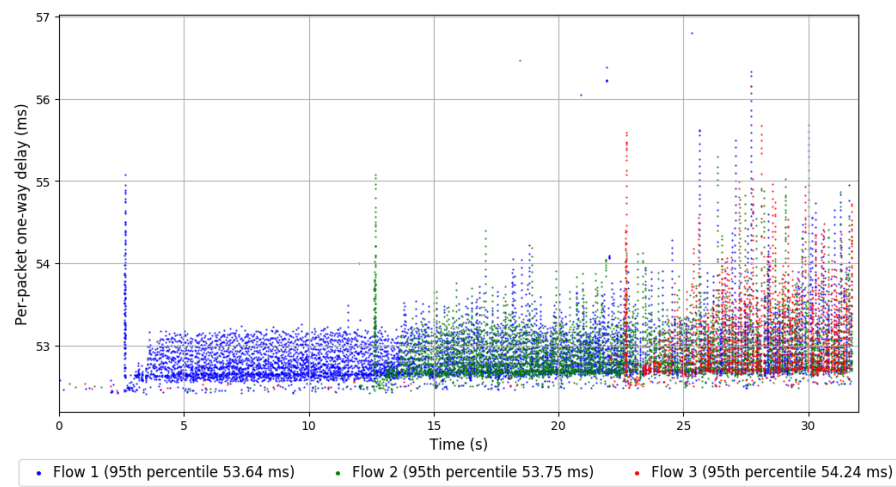
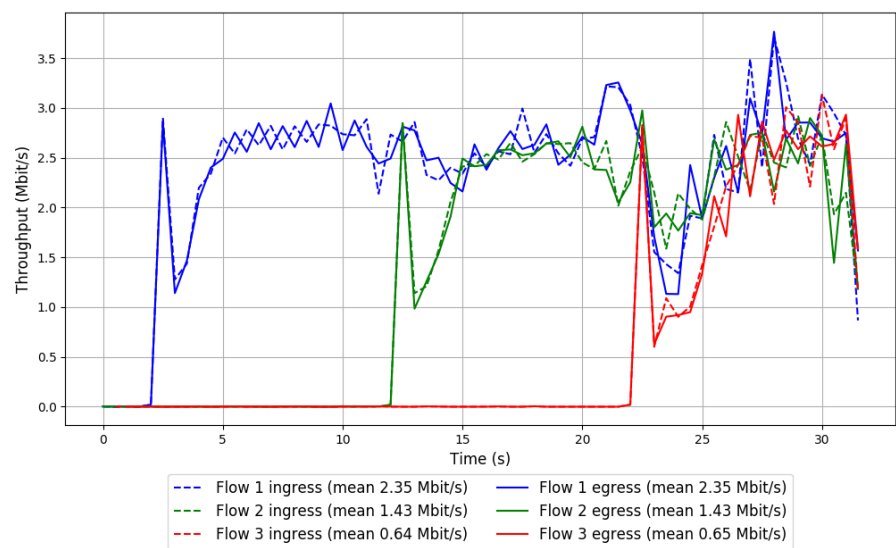


Run 6: Statistics of WebRTC media

Start at: 2017-10-12 05:19:23  
End at: 2017-10-12 05:19:53  
Local clock offset: 2.525 ms  
Remote clock offset: -30.841 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.39 Mbit/s  
95th percentile per-packet one-way delay: 53.808 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 53.641 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.43 Mbit/s  
95th percentile per-packet one-way delay: 53.747 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.65 Mbit/s  
95th percentile per-packet one-way delay: 54.242 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

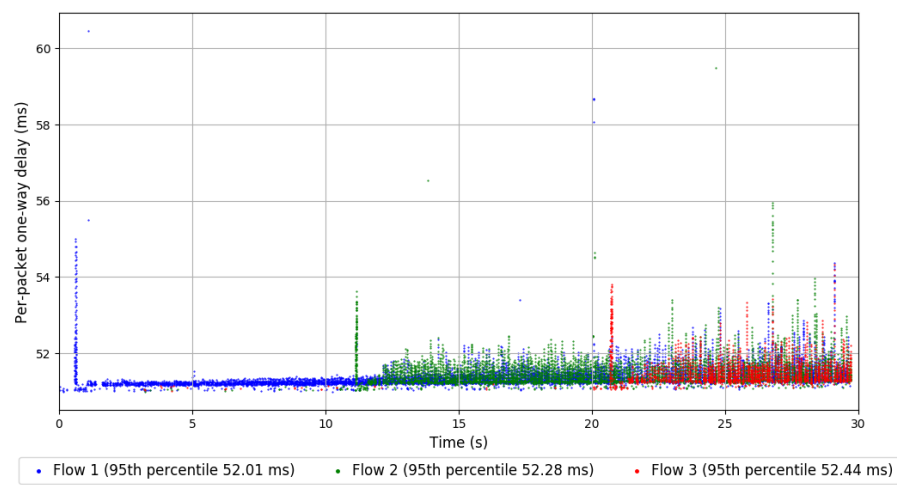
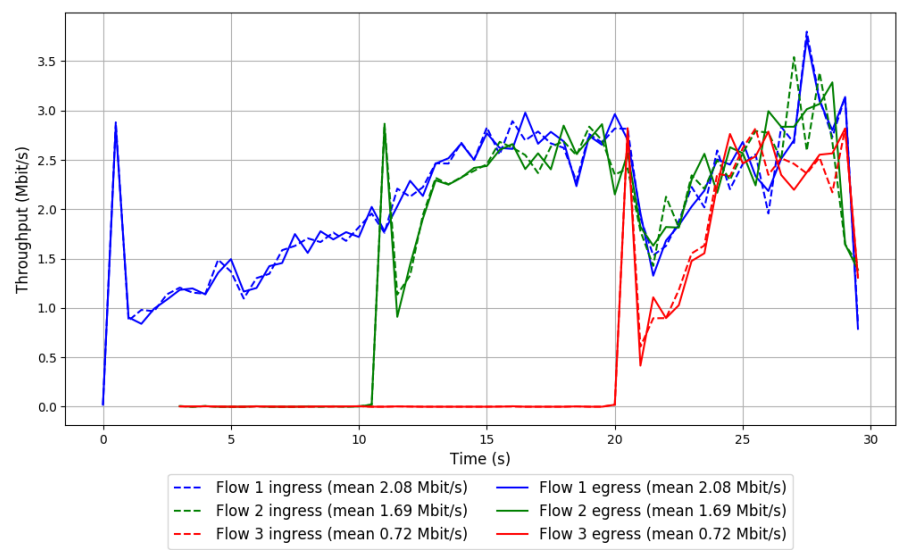


Run 7: Statistics of WebRTC media

Start at: 2017-10-12 05:39:09  
End at: 2017-10-12 05:39:39  
Local clock offset: 2.867 ms  
Remote clock offset: -26.202 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.24 Mbit/s  
95th percentile per-packet one-way delay: 52.167 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 2.08 Mbit/s  
95th percentile per-packet one-way delay: 52.009 ms  
Loss rate: 0.30%  
-- Flow 2:  
Average throughput: 1.69 Mbit/s  
95th percentile per-packet one-way delay: 52.283 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 0.72 Mbit/s  
95th percentile per-packet one-way delay: 52.443 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

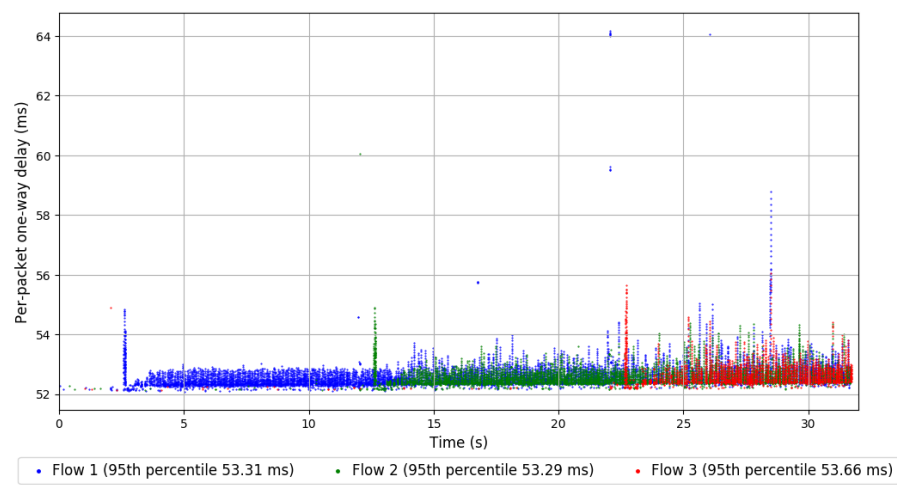
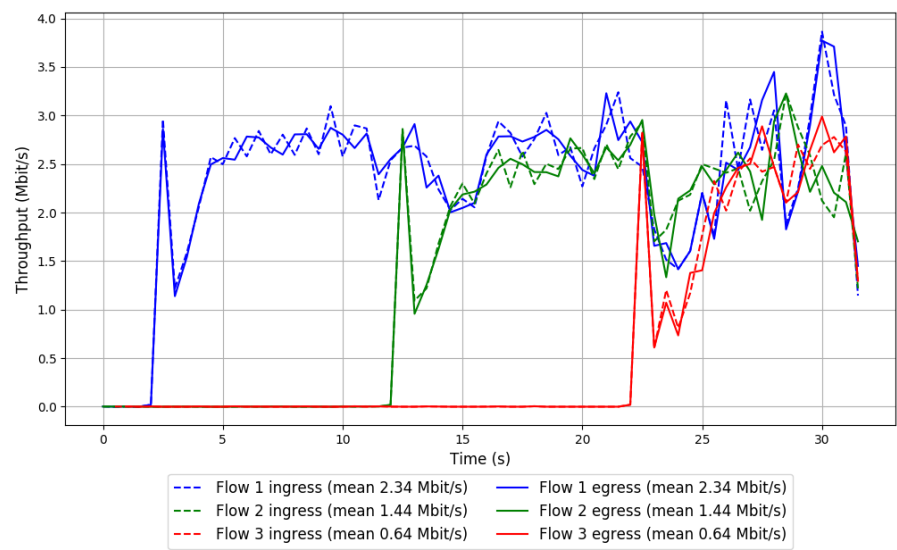


Run 8: Statistics of WebRTC media

Start at: 2017-10-12 05:58:05  
End at: 2017-10-12 05:58:35  
Local clock offset: 2.727 ms  
Remote clock offset: -25.125 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.38 Mbit/s  
95th percentile per-packet one-way delay: 53.346 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.34 Mbit/s  
95th percentile per-packet one-way delay: 53.307 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 53.286 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 0.64 Mbit/s  
95th percentile per-packet one-way delay: 53.660 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



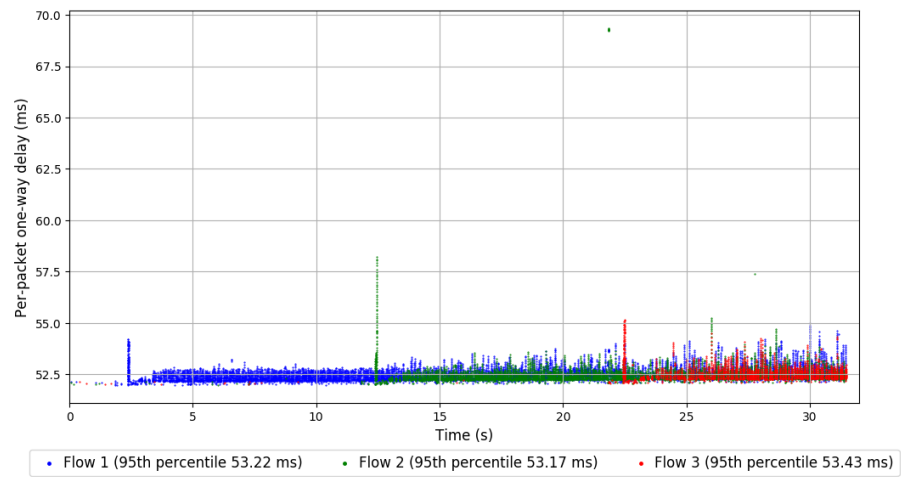
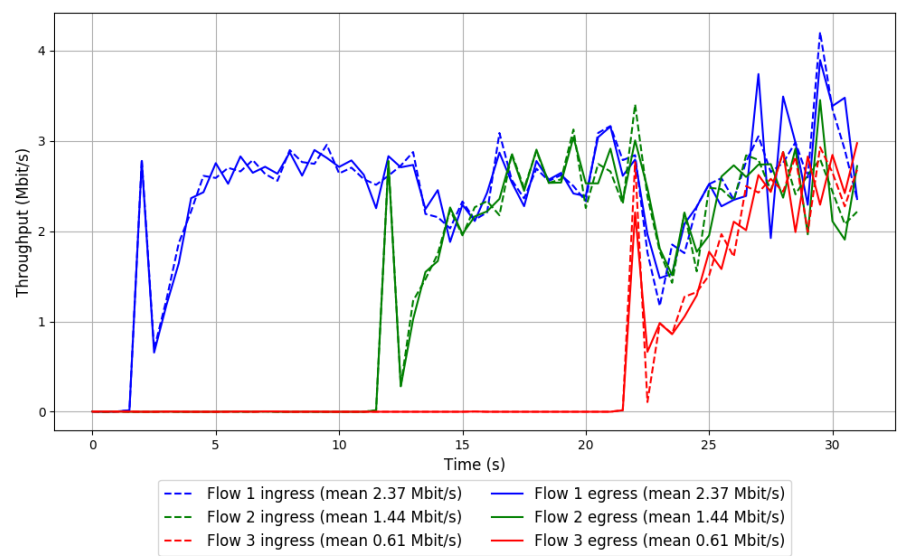
Run 9: Statistics of WebRTC media

Start at: 2017-10-12 06:14:54  
End at: 2017-10-12 06:15:24  
Local clock offset: 2.459 ms  
Remote clock offset: -21.838 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.41 Mbit/s  
95th percentile per-packet one-way delay: 53.234 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 53.217 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 53.173 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.61 Mbit/s  
95th percentile per-packet one-way delay: 53.428 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link

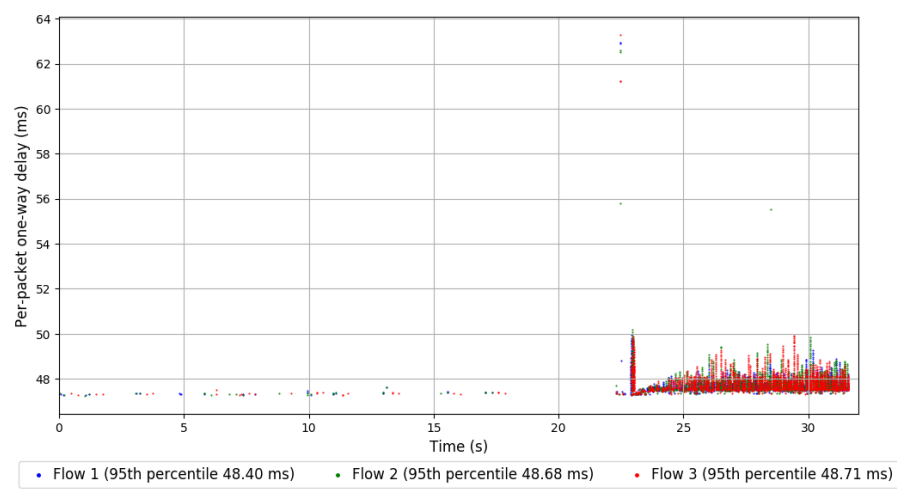
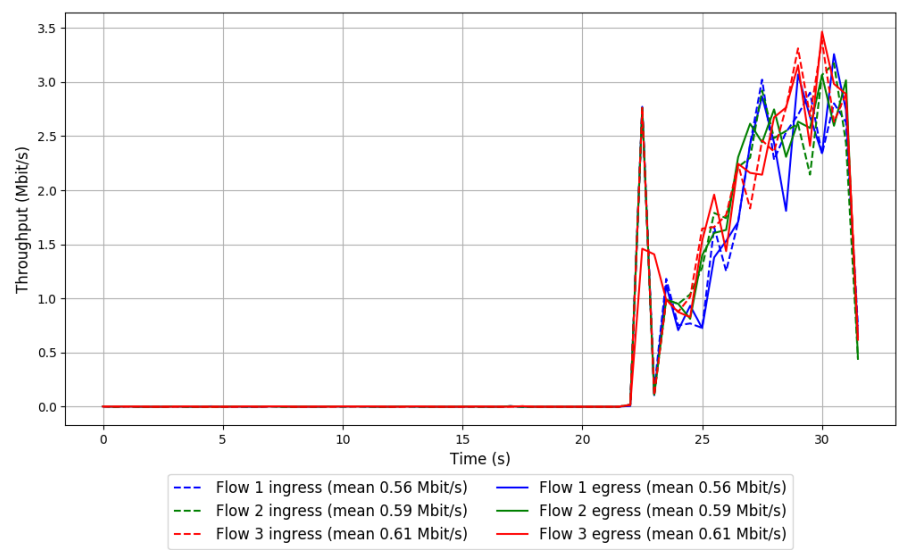


Run 10: Statistics of WebRTC media

Start at: 2017-10-12 06:32:26  
End at: 2017-10-12 06:32:56  
Local clock offset: -1.635 ms  
Remote clock offset: -17.34 ms

# Below is generated by plot.py at 2017-10-12 09:35:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 1.75 Mbit/s  
95th percentile per-packet one-way delay: 48.614 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 0.56 Mbit/s  
95th percentile per-packet one-way delay: 48.404 ms  
Loss rate: 0.28%  
-- Flow 2:  
Average throughput: 0.59 Mbit/s  
95th percentile per-packet one-way delay: 48.678 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.61 Mbit/s  
95th percentile per-packet one-way delay: 48.706 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

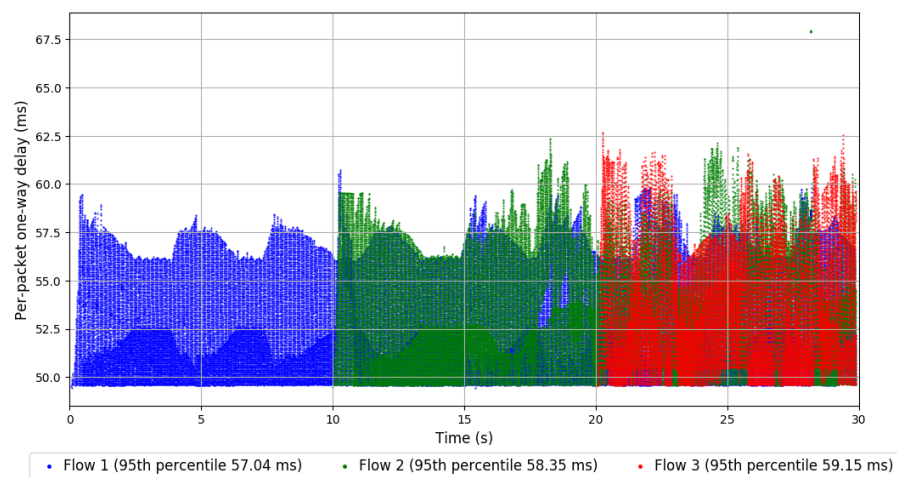
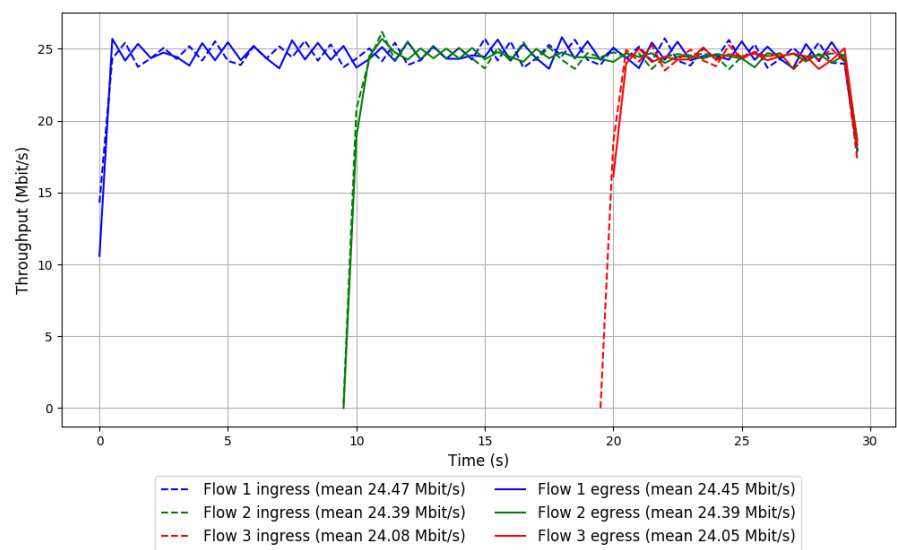


Run 1: Statistics of Sprout

Start at: 2017-10-12 03:50:59  
End at: 2017-10-12 03:51:29  
Local clock offset: 0.783 ms  
Remote clock offset: -37.798 ms

# Below is generated by plot.py at 2017-10-12 09:35:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.64 Mbit/s  
95th percentile per-packet one-way delay: 57.810 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 24.45 Mbit/s  
95th percentile per-packet one-way delay: 57.044 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 24.39 Mbit/s  
95th percentile per-packet one-way delay: 58.355 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 24.05 Mbit/s  
95th percentile per-packet one-way delay: 59.150 ms  
Loss rate: 0.30%

Run 1: Report of Sprout — Data Link

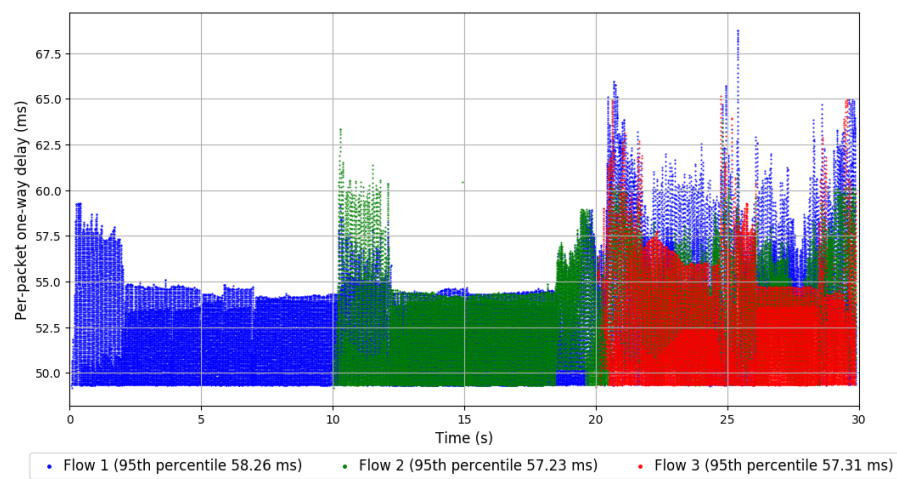
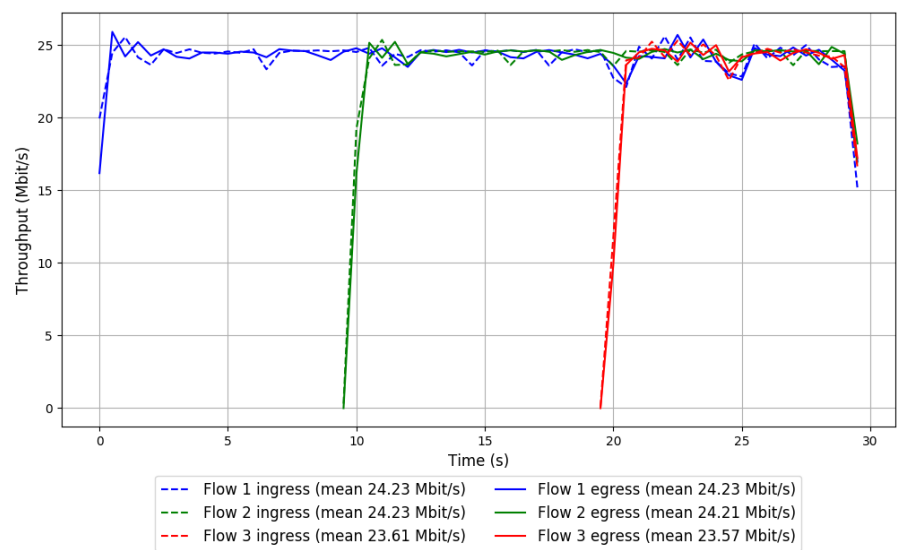


Run 2: Statistics of Sprout

Start at: 2017-10-12 04:07:51  
End at: 2017-10-12 04:08:21  
Local clock offset: 1.028 ms  
Remote clock offset: -36.475 ms

# Below is generated by plot.py at 2017-10-12 09:35:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.16 Mbit/s  
95th percentile per-packet one-way delay: 57.719 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 24.23 Mbit/s  
95th percentile per-packet one-way delay: 58.264 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 24.21 Mbit/s  
95th percentile per-packet one-way delay: 57.225 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 23.57 Mbit/s  
95th percentile per-packet one-way delay: 57.314 ms  
Loss rate: 0.30%

Run 2: Report of Sprout — Data Link



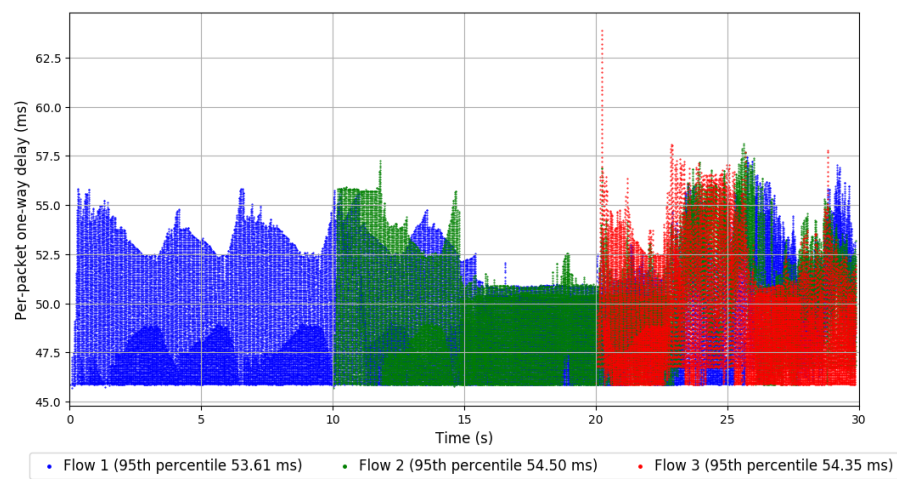
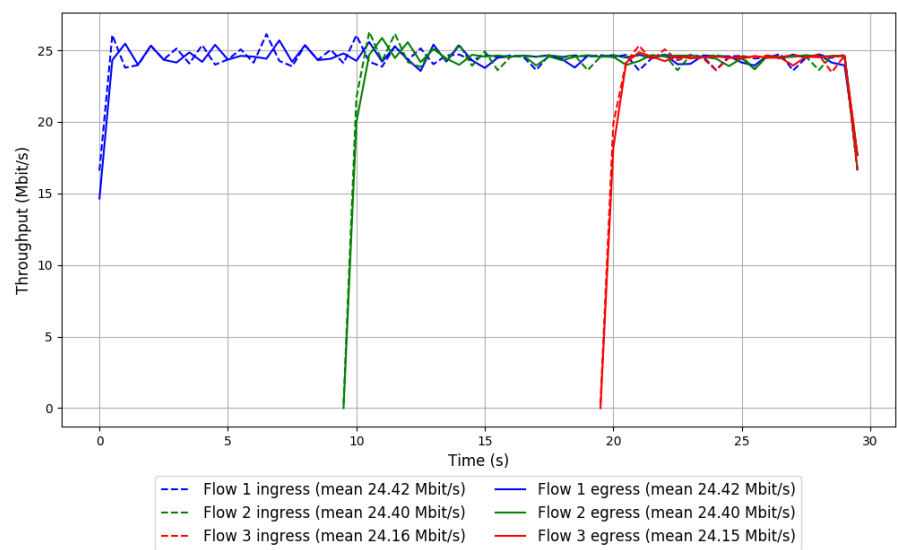
Run 3: Statistics of Sprout

Start at: 2017-10-12 04:24:42  
End at: 2017-10-12 04:25:12  
Local clock offset: 1.384 ms  
Remote clock offset: -31.81 ms

# Below is generated by plot.py at 2017-10-12 09:35:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.65 Mbit/s  
95th percentile per-packet one-way delay: 54.024 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.42 Mbit/s  
95th percentile per-packet one-way delay: 53.608 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 24.40 Mbit/s  
95th percentile per-packet one-way delay: 54.499 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 24.15 Mbit/s  
95th percentile per-packet one-way delay: 54.355 ms  
Loss rate: 0.20%



Run 3: Report of Sprout — Data Link

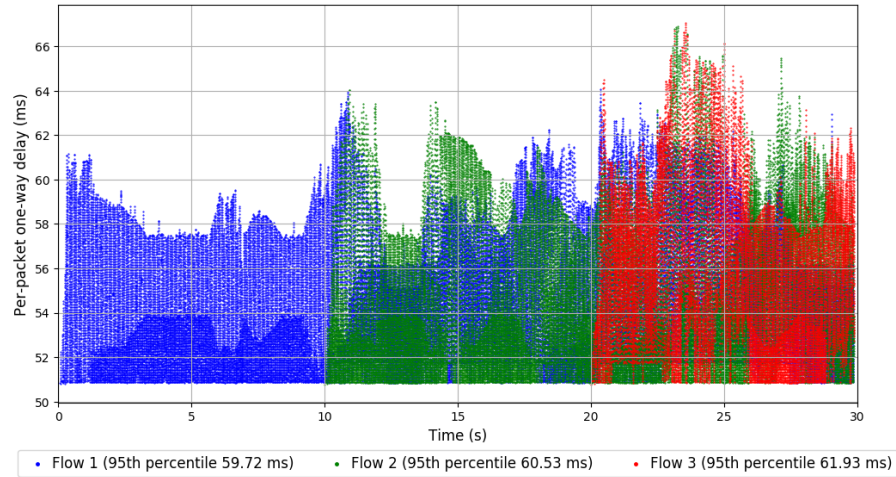
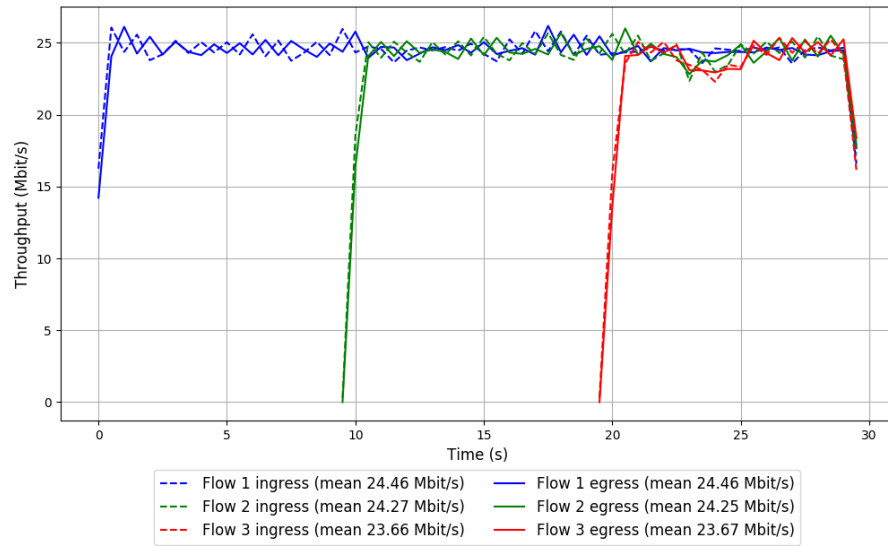


#### Run 4: Statistics of Sprout

Start at: 2017-10-12 04:42:36  
End at: 2017-10-12 04:43:06  
Local clock offset: 2.642 ms  
Remote clock offset: -34.91 ms

```
# Below is generated by plot.py at 2017-10-12 09:35:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 60.399 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 59.716 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 60.534 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 61.932 ms
Loss rate: 0.06%
```

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

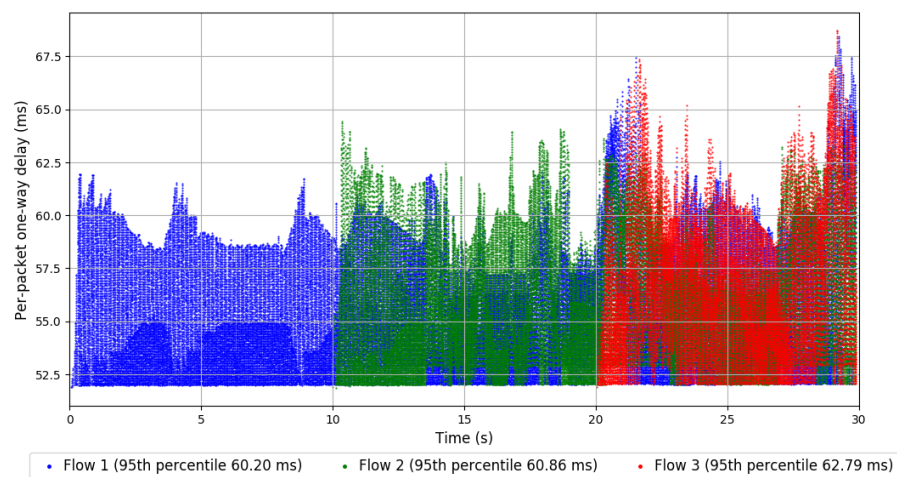
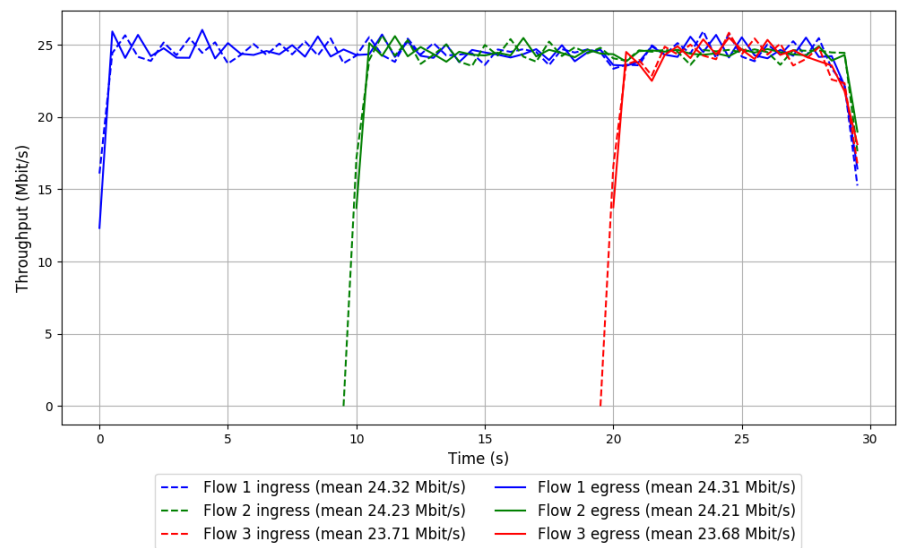


Run 5: Statistics of Sprout

Start at: 2017-10-12 05:01:11  
End at: 2017-10-12 05:01:41  
Local clock offset: 3.387 ms  
Remote clock offset: -32.314 ms

# Below is generated by plot.py at 2017-10-12 09:35:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.26 Mbit/s  
95th percentile per-packet one-way delay: 60.982 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 24.31 Mbit/s  
95th percentile per-packet one-way delay: 60.205 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 24.21 Mbit/s  
95th percentile per-packet one-way delay: 60.863 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 23.68 Mbit/s  
95th percentile per-packet one-way delay: 62.791 ms  
Loss rate: 0.28%

Run 5: Report of Sprout — Data Link

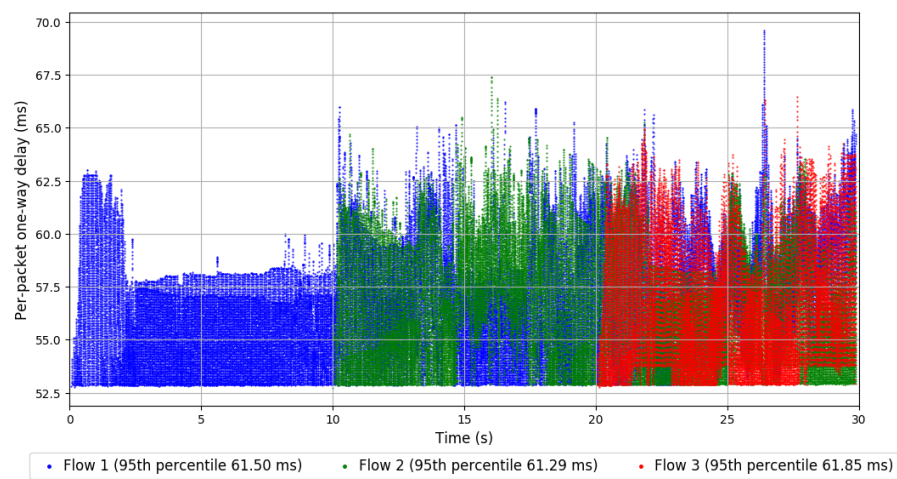
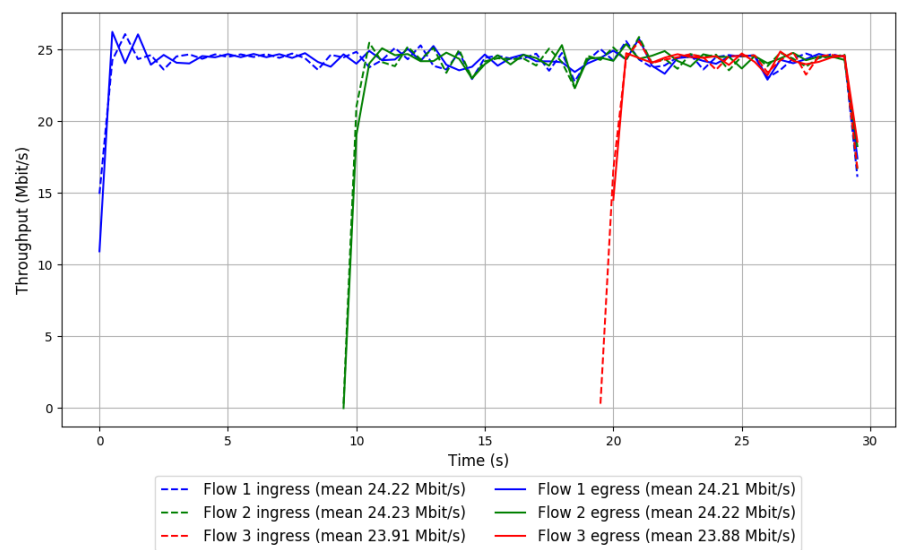


Run 6: Statistics of Sprout

Start at: 2017-10-12 05:18:14  
End at: 2017-10-12 05:18:44  
Local clock offset: 3.409 ms  
Remote clock offset: -30.349 ms

```
# Below is generated by plot.py at 2017-10-12 09:35:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.25 Mbit/s
95th percentile per-packet one-way delay: 61.495 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 61.498 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 61.294 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 61.847 ms
Loss rate: 0.23%
```

Run 6: Report of Sprout — Data Link



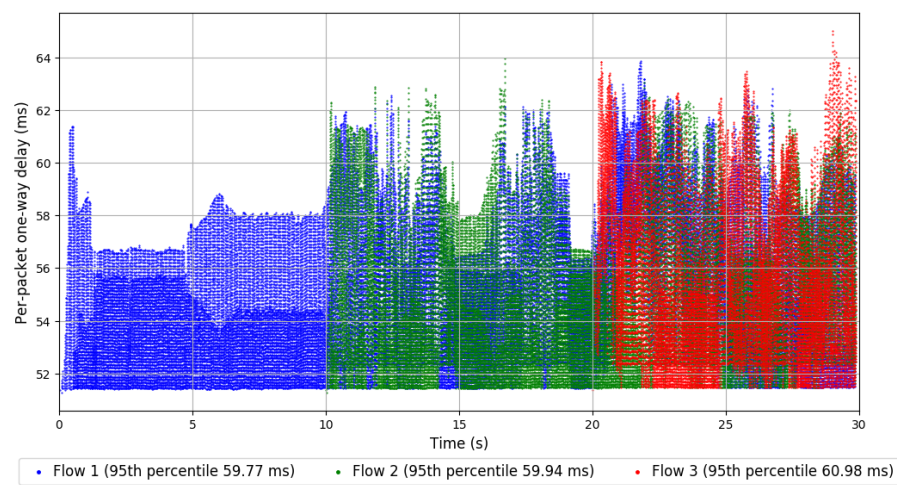
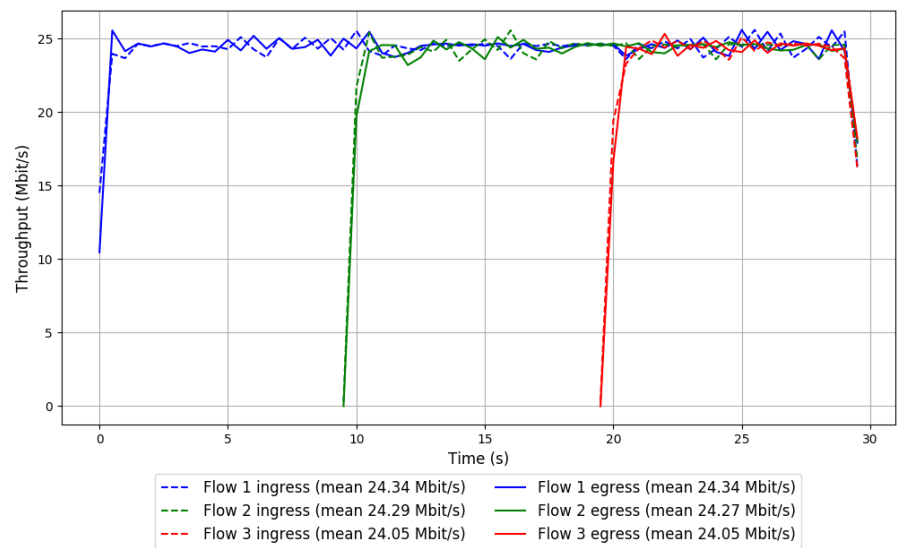
Run 7: Statistics of Sprout

Start at: 2017-10-12 05:38:02  
End at: 2017-10-12 05:38:32  
Local clock offset: 2.666 ms  
Remote clock offset: -26.792 ms

```
# Below is generated by plot.py at 2017-10-12 09:35:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 60.083 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 59.772 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 59.935 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 60.984 ms
Loss rate: 0.11%
```



Run 7: Report of Sprout — Data Link

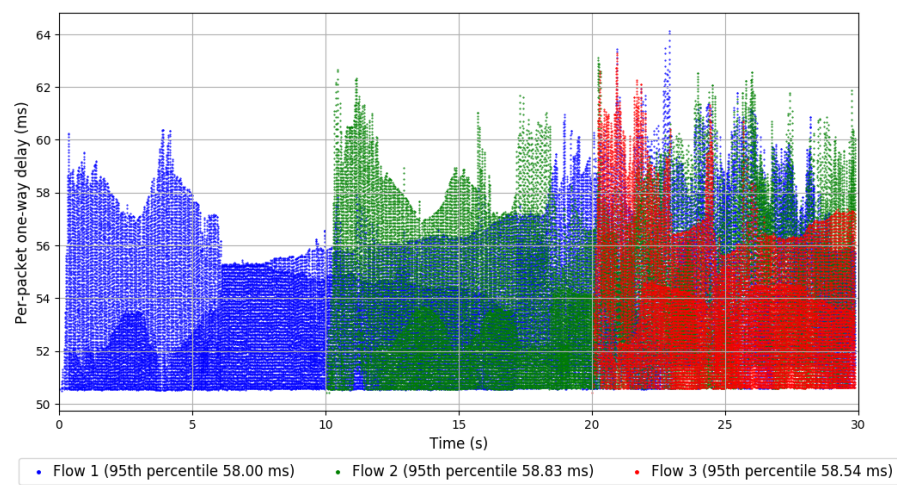
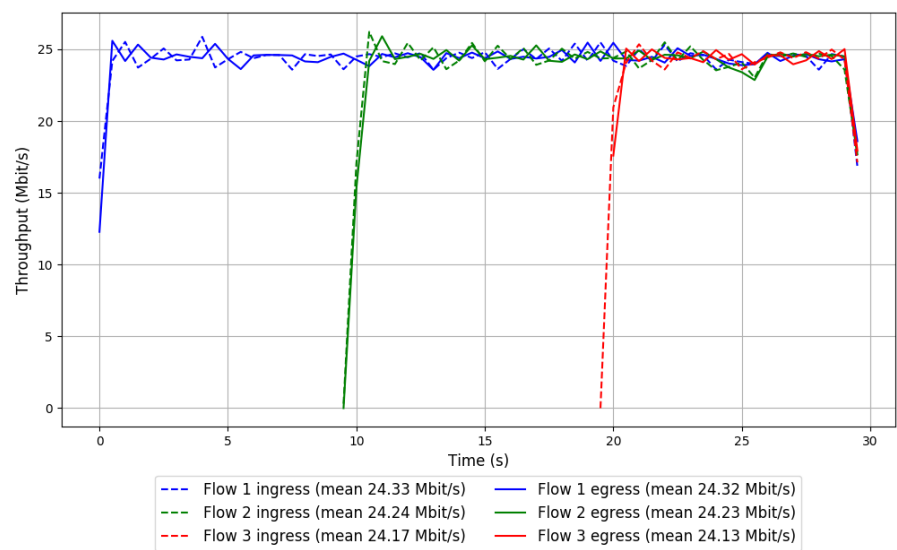


Run 8: Statistics of Sprout

Start at: 2017-10-12 05:56:37  
End at: 2017-10-12 05:57:07  
Local clock offset: 1.483 ms  
Remote clock offset: -24.871 ms

# Below is generated by plot.py at 2017-10-12 09:35:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.44 Mbit/s  
95th percentile per-packet one-way delay: 58.388 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 24.32 Mbit/s  
95th percentile per-packet one-way delay: 58.002 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 24.23 Mbit/s  
95th percentile per-packet one-way delay: 58.831 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 24.13 Mbit/s  
95th percentile per-packet one-way delay: 58.542 ms  
Loss rate: 0.37%

Run 8: Report of Sprout — Data Link

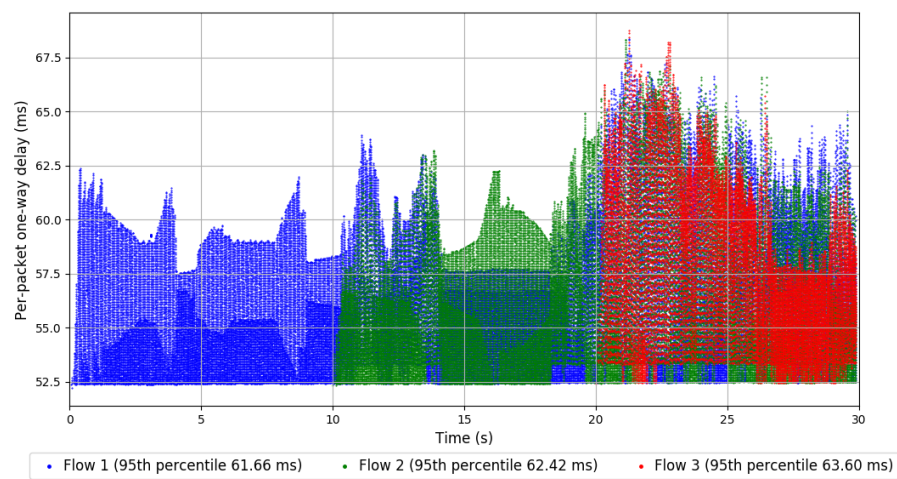
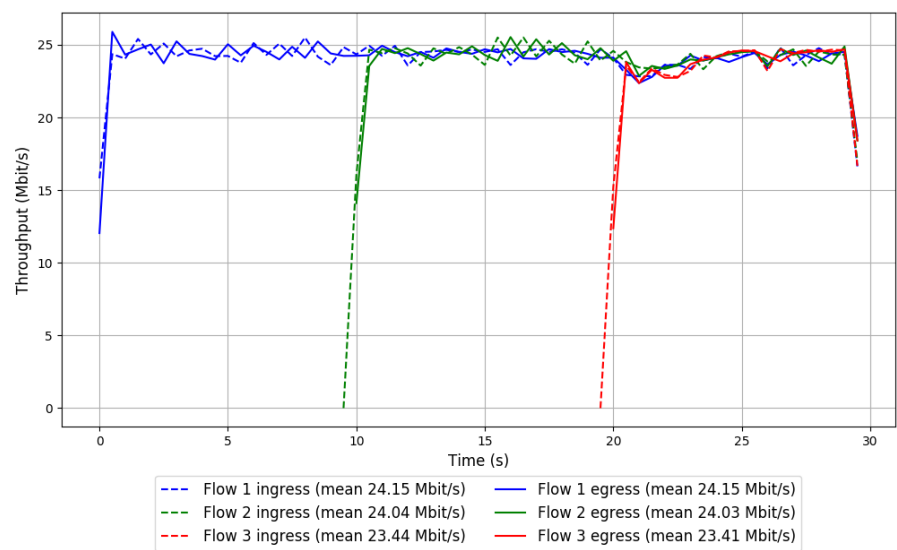


Run 9: Statistics of Sprout

Start at: 2017-10-12 06:13:47  
End at: 2017-10-12 06:14:17  
Local clock offset: 3.223 ms  
Remote clock offset: -21.531 ms

# Below is generated by plot.py at 2017-10-12 09:36:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.89 Mbit/s  
95th percentile per-packet one-way delay: 62.373 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 24.15 Mbit/s  
95th percentile per-packet one-way delay: 61.662 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 24.03 Mbit/s  
95th percentile per-packet one-way delay: 62.421 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 23.41 Mbit/s  
95th percentile per-packet one-way delay: 63.602 ms  
Loss rate: 0.27%

Run 9: Report of Sprout — Data Link

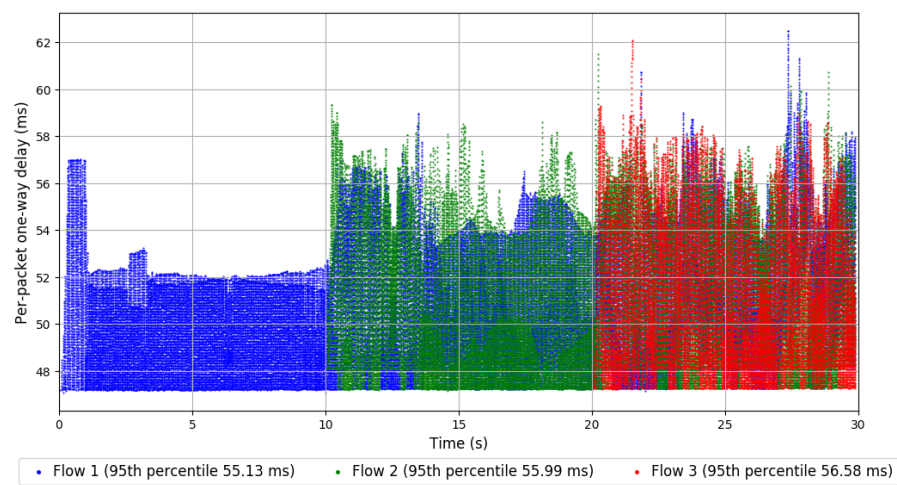
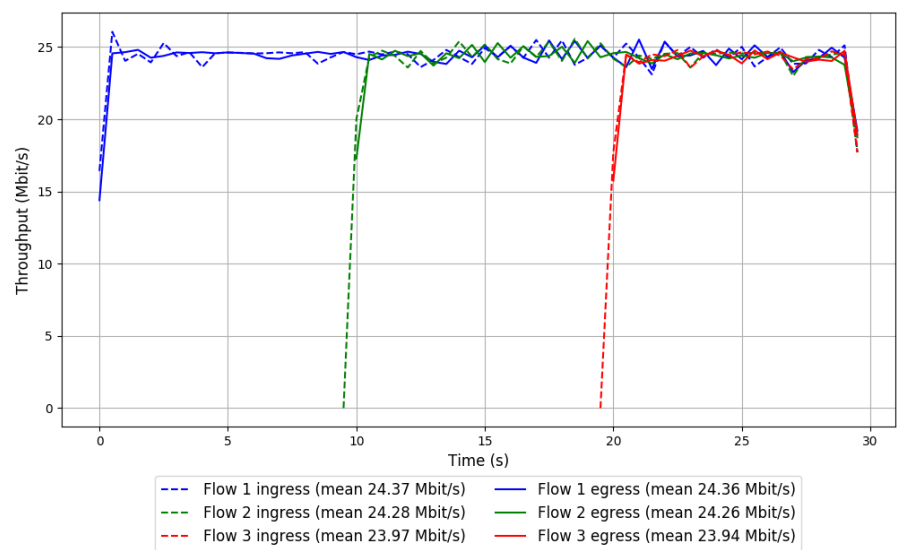


Run 10: Statistics of Sprout

Start at: 2017-10-12 06:30:56  
End at: 2017-10-12 06:31:26  
Local clock offset: -1.426 ms  
Remote clock offset: -17.222 ms

# Below is generated by plot.py at 2017-10-12 09:36:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.43 Mbit/s  
95th percentile per-packet one-way delay: 55.786 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 24.36 Mbit/s  
95th percentile per-packet one-way delay: 55.133 ms  
Loss rate: 0.14%  
-- Flow 2:  
Average throughput: 24.26 Mbit/s  
95th percentile per-packet one-way delay: 55.987 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 23.94 Mbit/s  
95th percentile per-packet one-way delay: 56.584 ms  
Loss rate: 0.29%

Run 10: Report of Sprout — Data Link



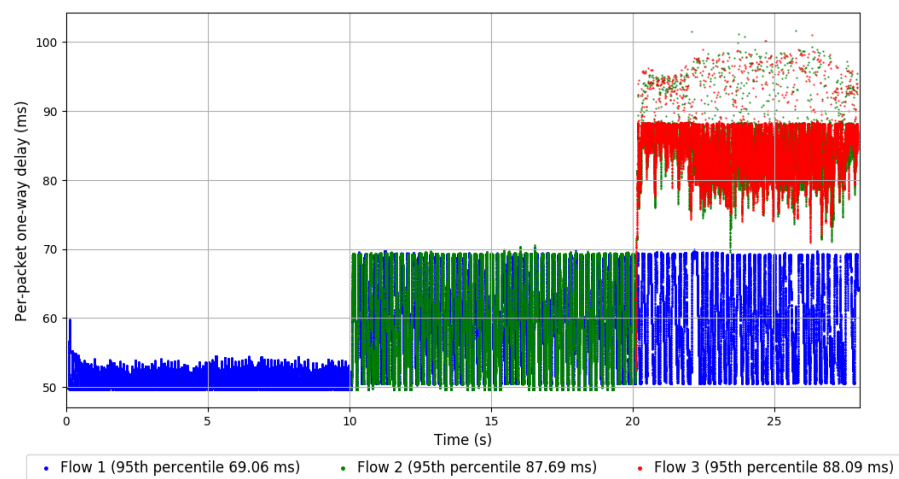
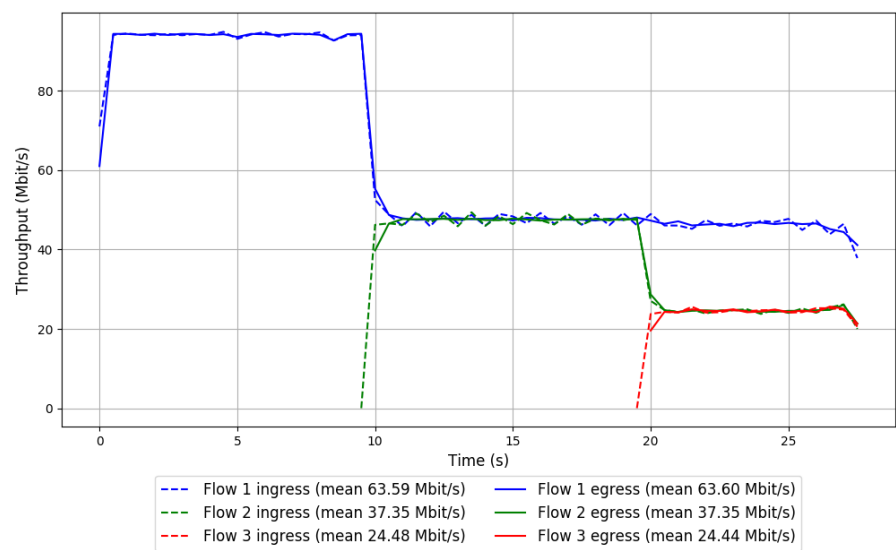
Run 1: Statistics of TaoVA-100x

Start at: 2017-10-12 03:45:57  
End at: 2017-10-12 03:46:27  
Local clock offset: 1.322 ms  
Remote clock offset: -37.57 ms

# Below is generated by plot.py at 2017-10-12 09:37:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.49 Mbit/s  
95th percentile per-packet one-way delay: 86.112 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 63.60 Mbit/s  
95th percentile per-packet one-way delay: 69.056 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 37.35 Mbit/s  
95th percentile per-packet one-way delay: 87.687 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 24.44 Mbit/s  
95th percentile per-packet one-way delay: 88.095 ms  
Loss rate: 0.82%



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

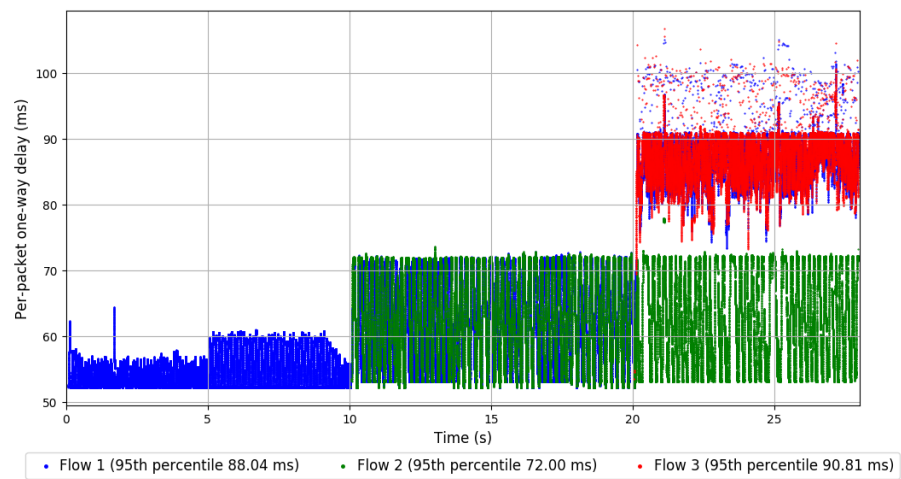
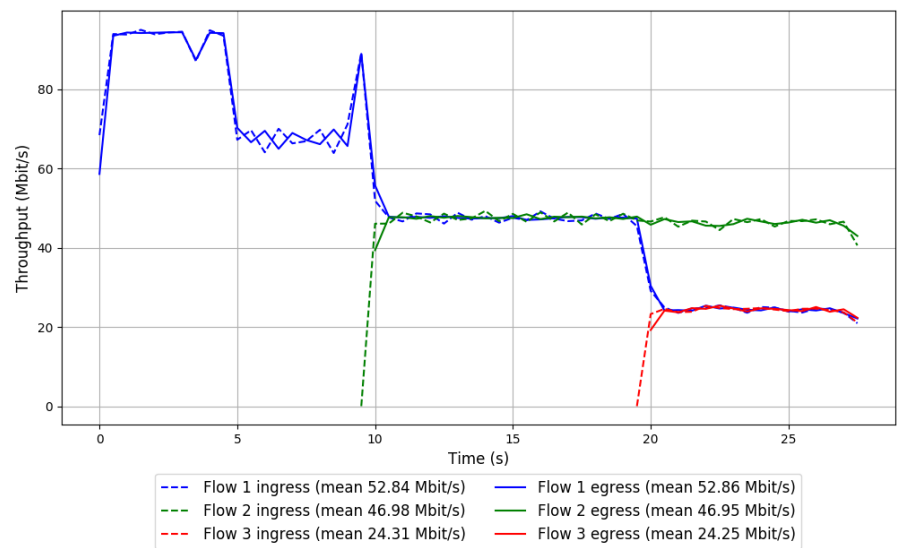


Run 2: Statistics of TaoVA-100x

Start at: 2017-10-12 04:02:56  
End at: 2017-10-12 04:03:26  
Local clock offset: 4.096 ms  
Remote clock offset: -36.66 ms

# Below is generated by plot.py at 2017-10-12 09:37:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.89 Mbit/s  
95th percentile per-packet one-way delay: 88.589 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 52.86 Mbit/s  
95th percentile per-packet one-way delay: 88.043 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 46.95 Mbit/s  
95th percentile per-packet one-way delay: 72.001 ms  
Loss rate: 0.27%  
-- Flow 3:  
Average throughput: 24.25 Mbit/s  
95th percentile per-packet one-way delay: 90.806 ms  
Loss rate: 0.70%

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

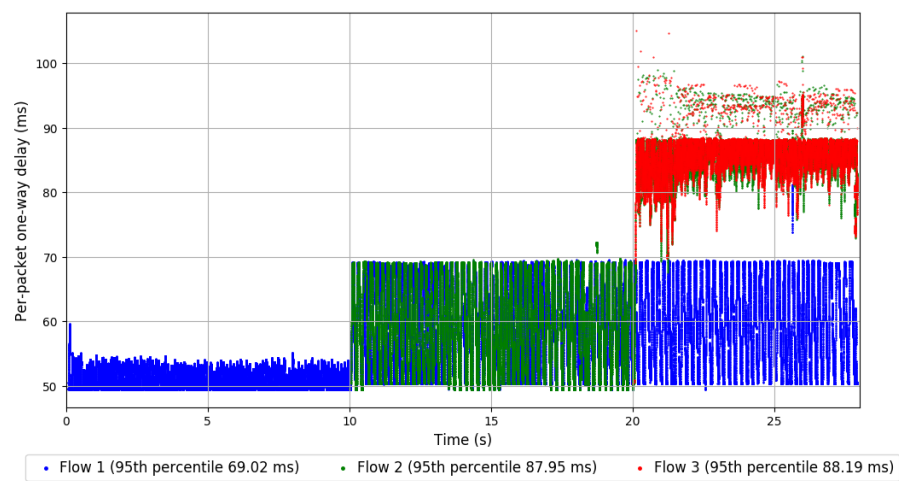
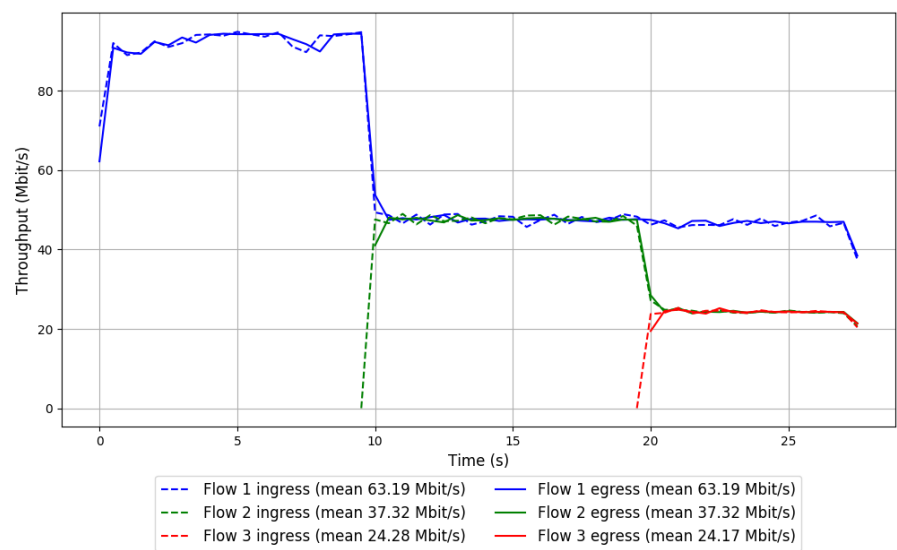


Run 3: Statistics of TaoVA-100x

Start at: 2017-10-12 04:19:46  
End at: 2017-10-12 04:20:16  
Local clock offset: 1.131 ms  
Remote clock offset: -35.908 ms

# Below is generated by plot.py at 2017-10-12 09:37:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.03 Mbit/s  
95th percentile per-packet one-way delay: 87.332 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 63.19 Mbit/s  
95th percentile per-packet one-way delay: 69.019 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 37.32 Mbit/s  
95th percentile per-packet one-way delay: 87.949 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 24.17 Mbit/s  
95th percentile per-packet one-way delay: 88.186 ms  
Loss rate: 0.85%

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

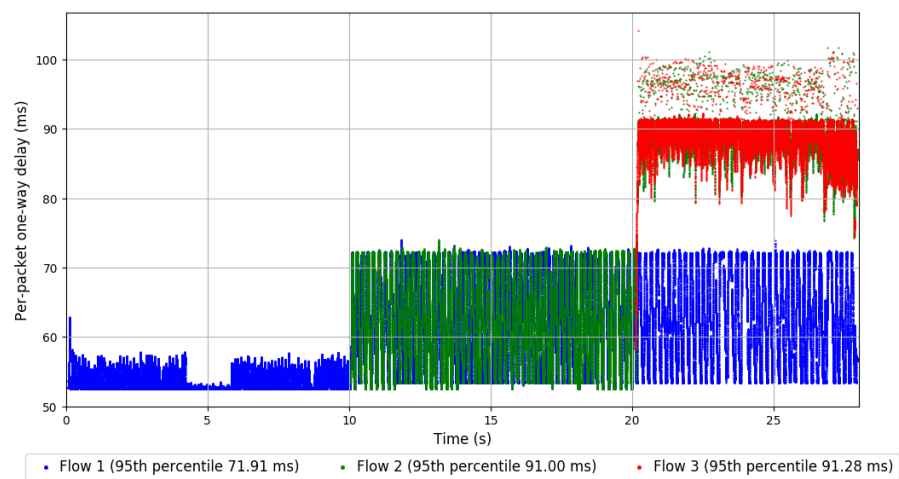
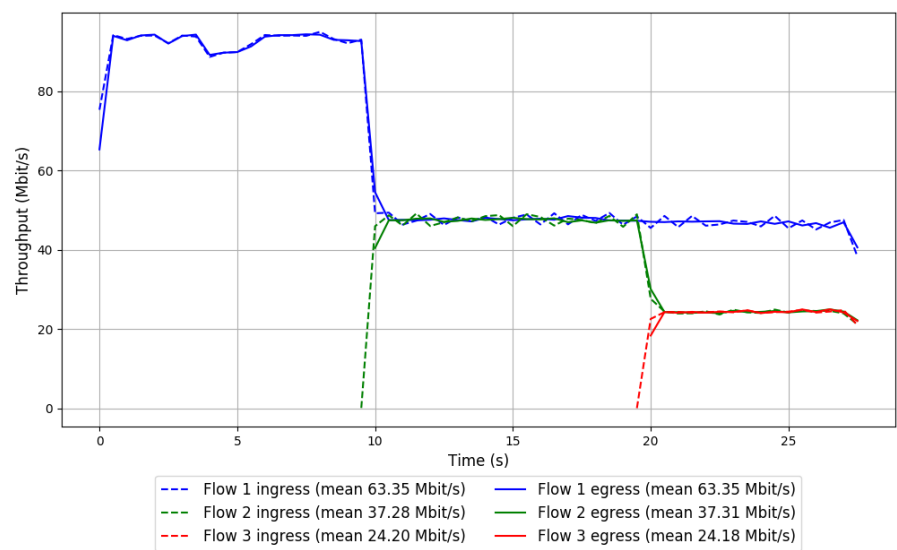


Run 4: Statistics of TaoVA-100x

Start at: 2017-10-12 04:37:04  
End at: 2017-10-12 04:37:34  
Local clock offset: 3.741 ms  
Remote clock offset: -35.691 ms

# Below is generated by plot.py at 2017-10-12 09:38:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.16 Mbit/s  
95th percentile per-packet one-way delay: 90.377 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 63.35 Mbit/s  
95th percentile per-packet one-way delay: 71.910 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 37.31 Mbit/s  
95th percentile per-packet one-way delay: 91.001 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 24.18 Mbit/s  
95th percentile per-packet one-way delay: 91.277 ms  
Loss rate: 0.83%

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



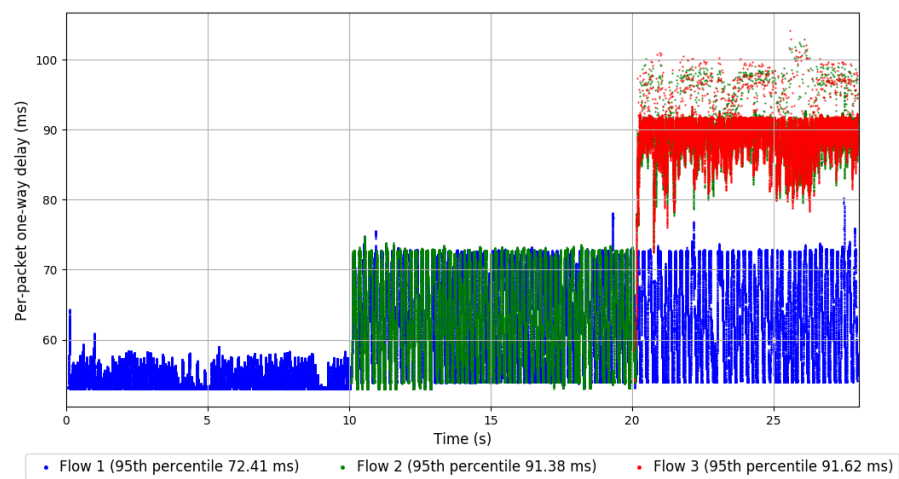
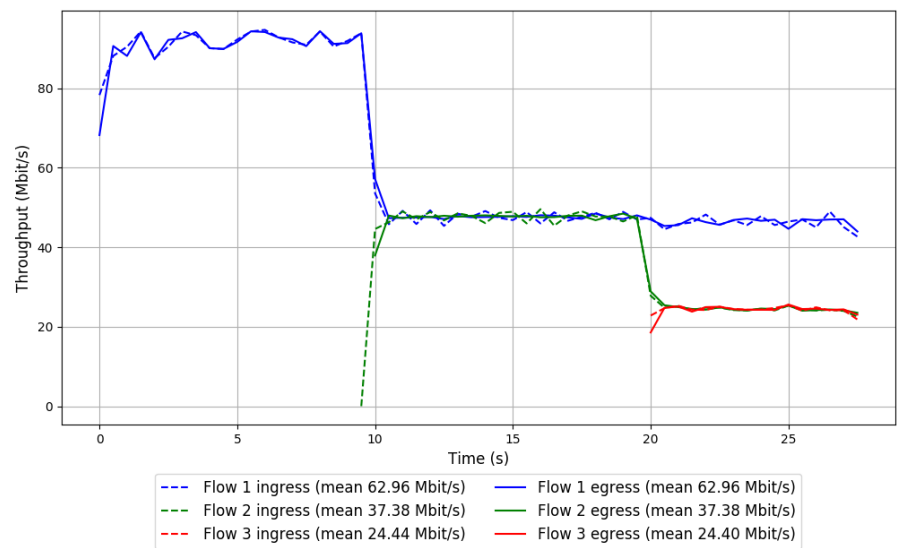
Run 5: Statistics of TaoVA-100x

Start at: 2017-10-12 04:55:14  
End at: 2017-10-12 04:55:44  
Local clock offset: 4.092 ms  
Remote clock offset: -33.82 ms

# Below is generated by plot.py at 2017-10-12 09:38:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.86 Mbit/s  
95th percentile per-packet one-way delay: 90.648 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 62.96 Mbit/s  
95th percentile per-packet one-way delay: 72.410 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 37.38 Mbit/s  
95th percentile per-packet one-way delay: 91.380 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 24.40 Mbit/s  
95th percentile per-packet one-way delay: 91.624 ms  
Loss rate: 0.77%



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

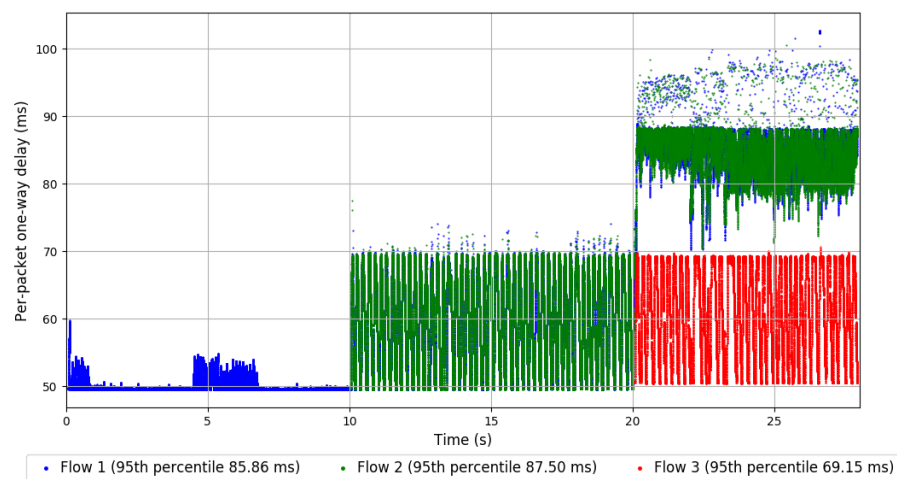
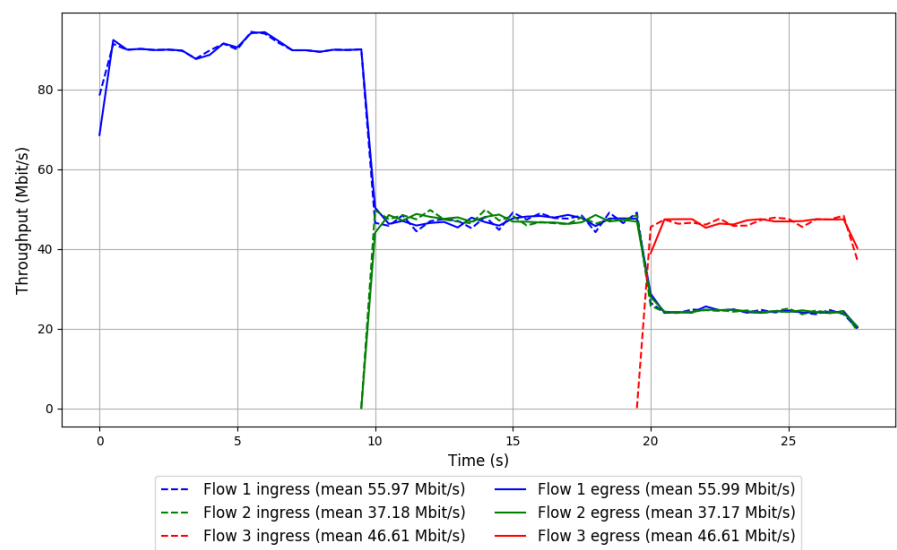


Run 6: Statistics of TaoVA-100x

Start at: 2017-10-12 05:13:11  
End at: 2017-10-12 05:13:41  
Local clock offset: 0.606 ms  
Remote clock offset: -30.604 ms

# Below is generated by plot.py at 2017-10-12 09:38:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.10 Mbit/s  
95th percentile per-packet one-way delay: 86.344 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 55.99 Mbit/s  
95th percentile per-packet one-way delay: 85.856 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 37.17 Mbit/s  
95th percentile per-packet one-way delay: 87.503 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 46.61 Mbit/s  
95th percentile per-packet one-way delay: 69.148 ms  
Loss rate: 0.35%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-10-12 05:32:17

End at: 2017-10-12 05:32:47

Local clock offset: 3.252 ms

# Below is generated by plot.py at 2017-10-12 09:38:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 58.891 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 56.55 Mbit/s

95th percentile per-packet one-way delay: 58.519 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 37.25 Mbit/s

95th percentile per-packet one-way delay: 59.562 ms

Loss rate: 0.24%

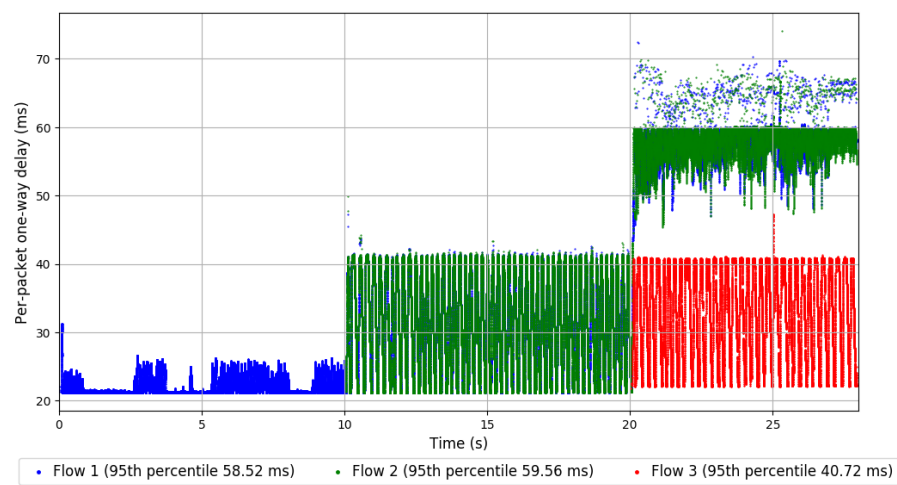
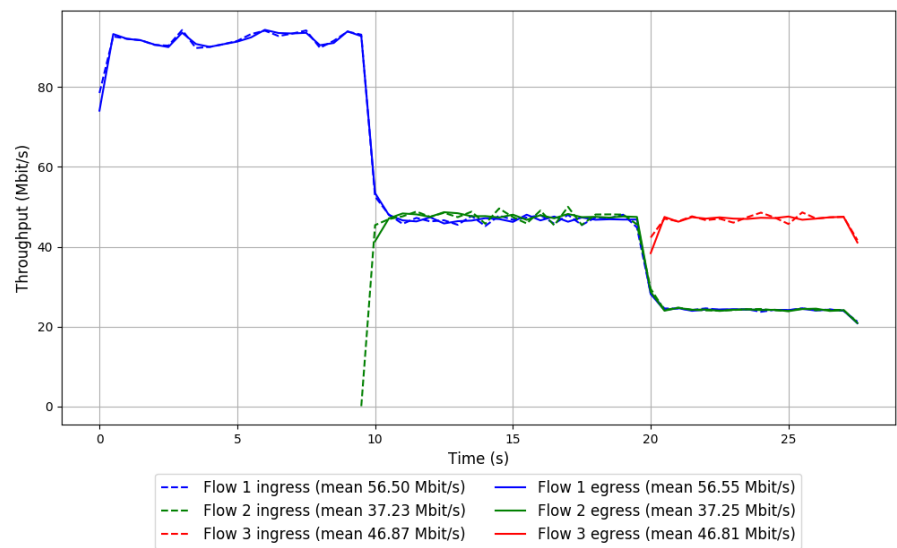
-- Flow 3:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 40.721 ms

Loss rate: 0.60%

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

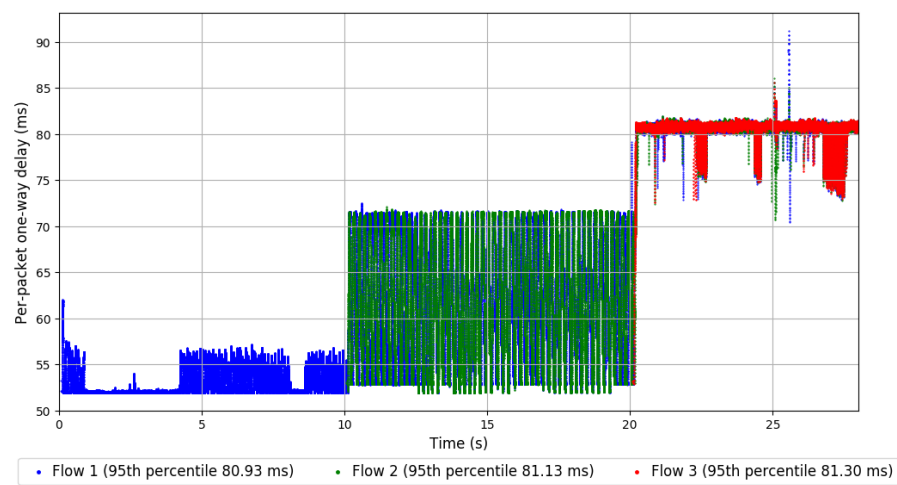
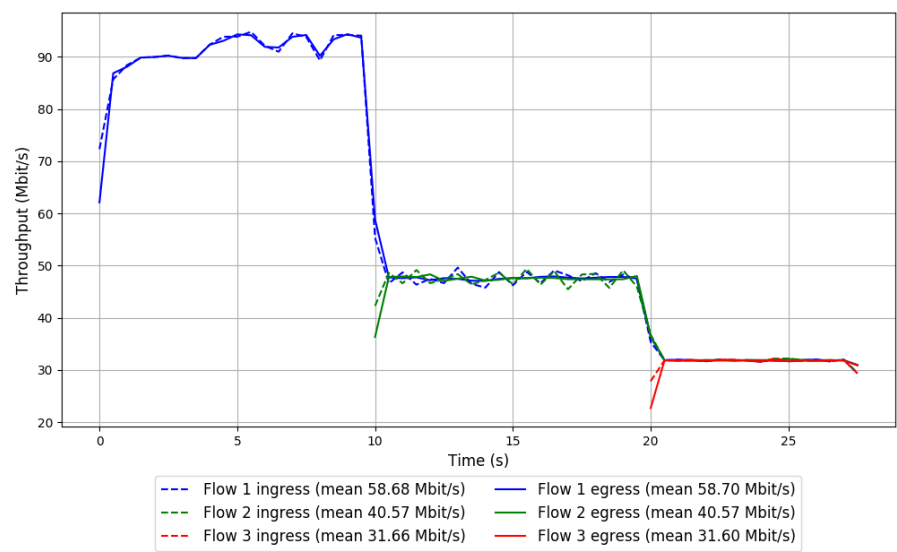


Run 8: Statistics of TaoVA-100x

Start at: 2017-10-12 05:51:01  
End at: 2017-10-12 05:51:31  
Local clock offset: 1.306 ms  
Remote clock offset: -27.177 ms

# Below is generated by plot.py at 2017-10-12 09:38:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.66 Mbit/s  
95th percentile per-packet one-way delay: 81.101 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 58.70 Mbit/s  
95th percentile per-packet one-way delay: 80.934 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.57 Mbit/s  
95th percentile per-packet one-way delay: 81.132 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.60 Mbit/s  
95th percentile per-packet one-way delay: 81.299 ms  
Loss rate: 0.71%

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



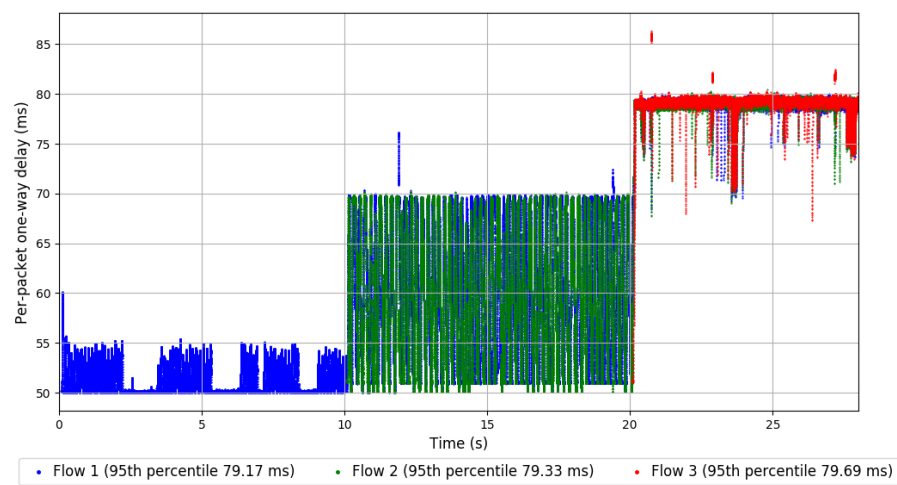
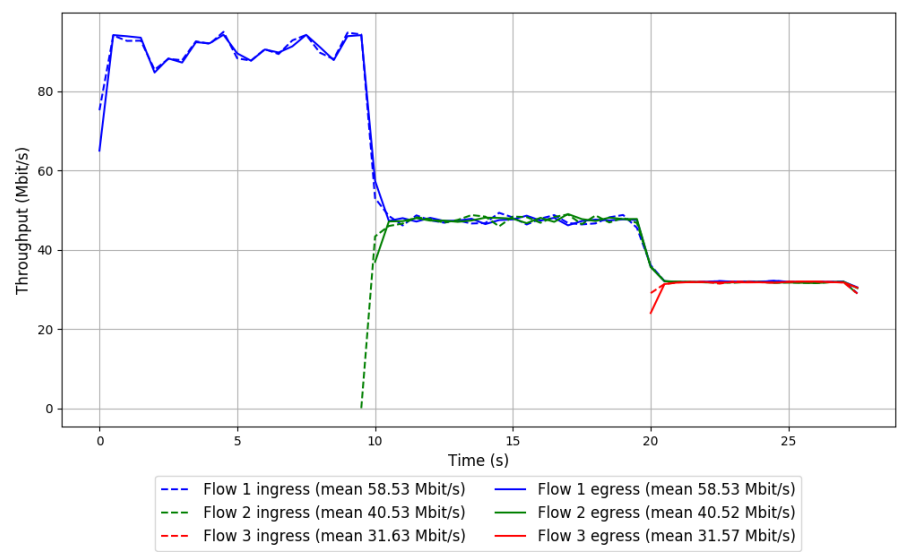
Run 9: Statistics of TaoVA-100x

Start at: 2017-10-12 06:08:43  
End at: 2017-10-12 06:09:13  
Local clock offset: 0.83 ms  
Remote clock offset: -22.788 ms

# Below is generated by plot.py at 2017-10-12 09:40:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.48 Mbit/s  
95th percentile per-packet one-way delay: 79.374 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 58.53 Mbit/s  
95th percentile per-packet one-way delay: 79.171 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.52 Mbit/s  
95th percentile per-packet one-way delay: 79.335 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 31.57 Mbit/s  
95th percentile per-packet one-way delay: 79.695 ms  
Loss rate: 0.71%



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

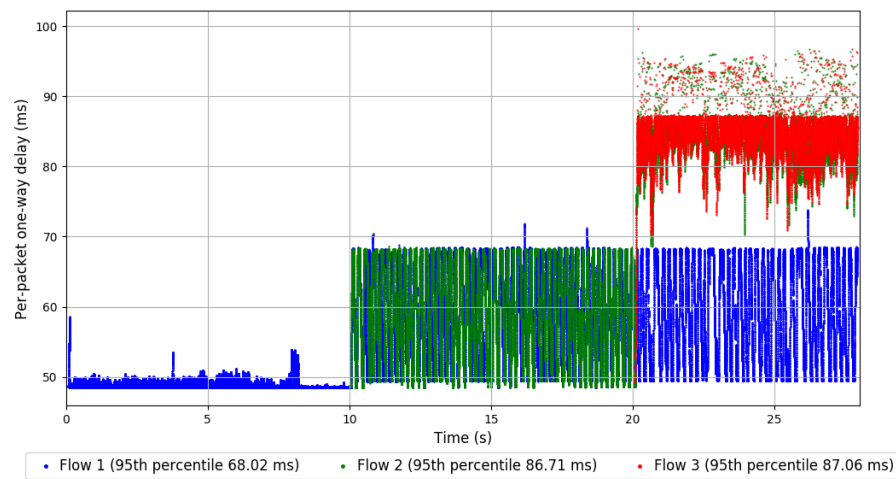
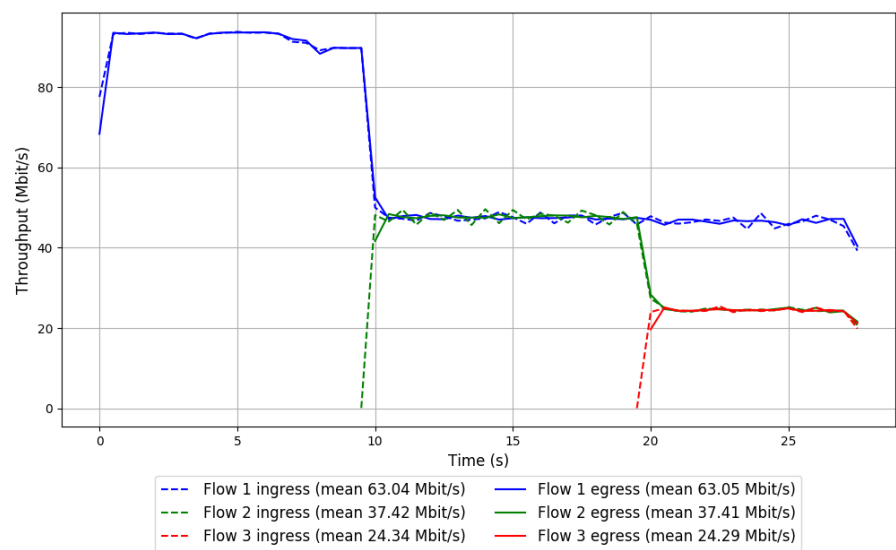


Run 10: Statistics of TaoVA-100x

Start at: 2017-10-12 06:25:57  
End at: 2017-10-12 06:26:27  
Local clock offset: -1.276 ms  
Remote clock offset: -19.42 ms

# Below is generated by plot.py at 2017-10-12 09:40:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.97 Mbit/s  
95th percentile per-packet one-way delay: 85.809 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 63.05 Mbit/s  
95th percentile per-packet one-way delay: 68.016 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 37.41 Mbit/s  
95th percentile per-packet one-way delay: 86.711 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 24.29 Mbit/s  
95th percentile per-packet one-way delay: 87.063 ms  
Loss rate: 0.78%

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

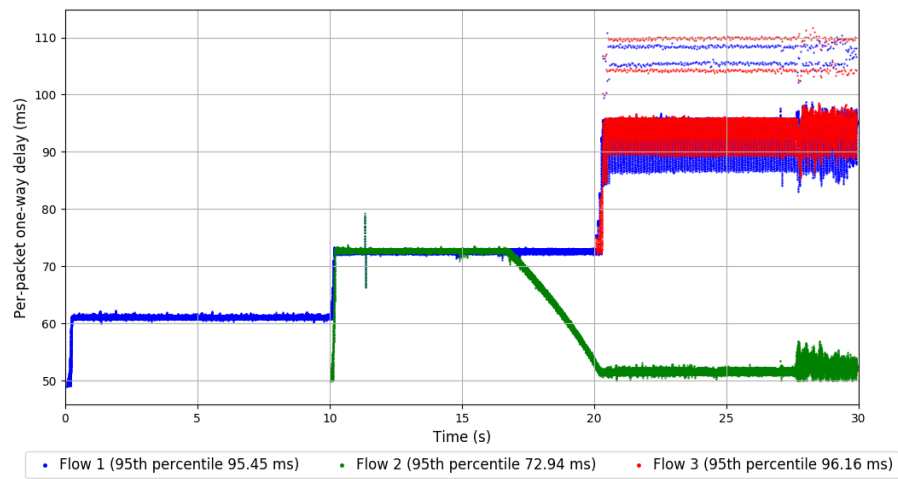
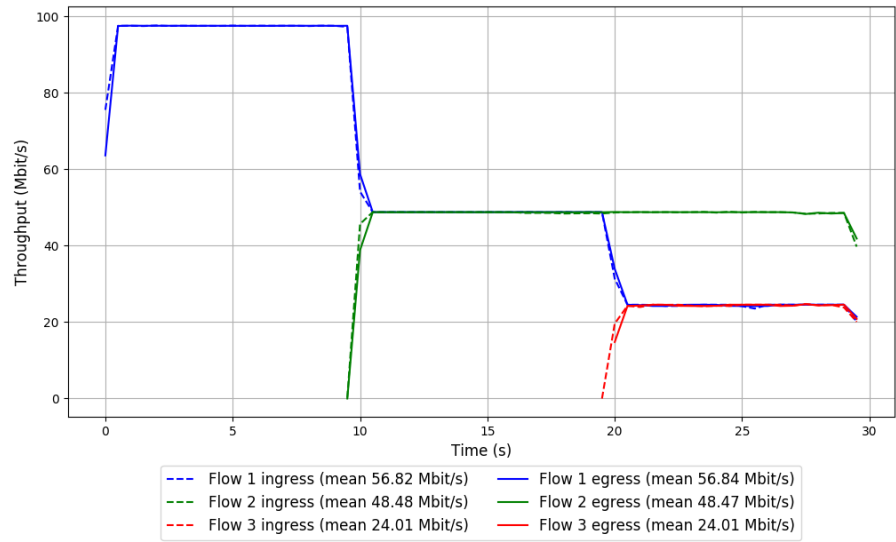


Run 1: Statistics of TCP Vegas

Start at: 2017-10-12 03:38:28  
End at: 2017-10-12 03:38:58  
Local clock offset: -3.647 ms  
Remote clock offset: -42.261 ms

# Below is generated by plot.py at 2017-10-12 09:40:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 95.503 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 56.84 Mbit/s  
95th percentile per-packet one-way delay: 95.451 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 48.47 Mbit/s  
95th percentile per-packet one-way delay: 72.945 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 24.01 Mbit/s  
95th percentile per-packet one-way delay: 96.160 ms  
Loss rate: 0.74%

# Run 1: Report of TCP Vegas — Data Link

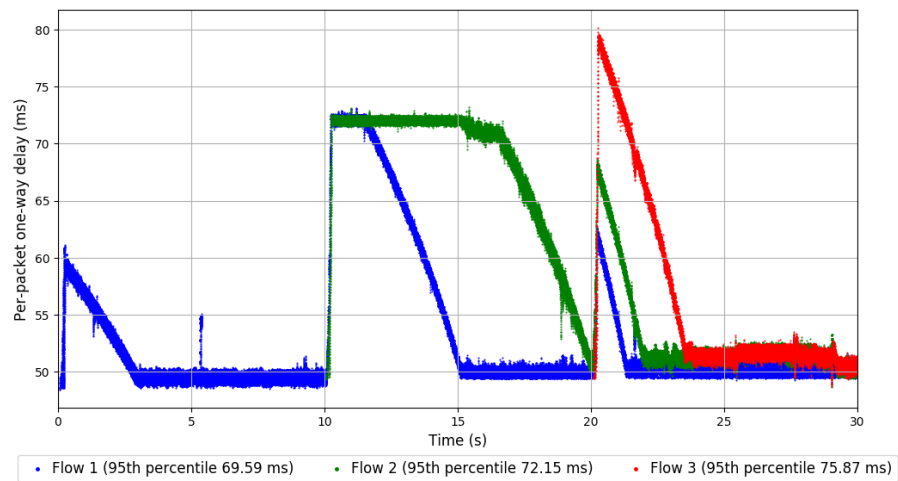
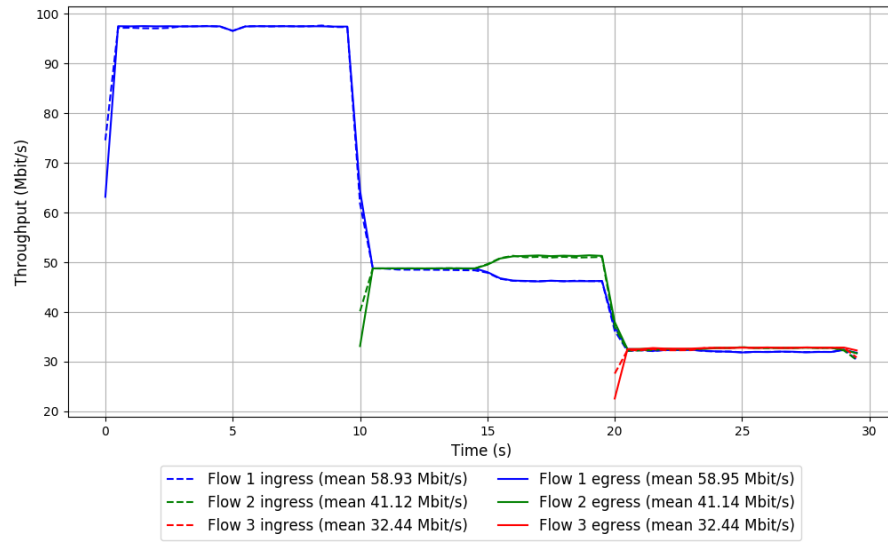


Run 2: Statistics of TCP Vegas

Start at: 2017-10-12 03:55:33  
End at: 2017-10-12 03:56:03  
Local clock offset: 1.657 ms  
Remote clock offset: -35.739 ms

# Below is generated by plot.py at 2017-10-12 09:40:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.09 Mbit/s  
95th percentile per-packet one-way delay: 72.099 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 58.95 Mbit/s  
95th percentile per-packet one-way delay: 69.590 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 41.14 Mbit/s  
95th percentile per-packet one-way delay: 72.150 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 32.44 Mbit/s  
95th percentile per-packet one-way delay: 75.869 ms  
Loss rate: 0.29%

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



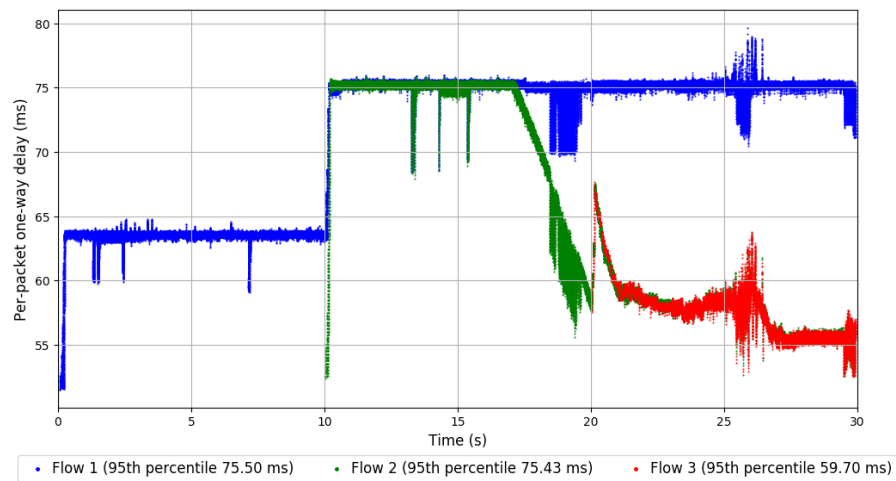
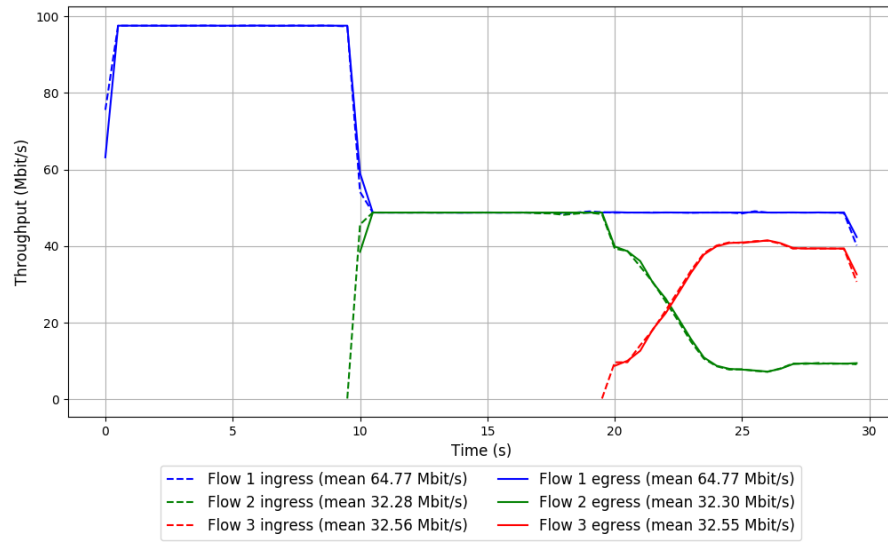
Run 3: Statistics of TCP Vegas

Start at: 2017-10-12 04:12:28  
End at: 2017-10-12 04:12:58  
Local clock offset: 3.417 ms  
Remote clock offset: -36.121 ms

# Below is generated by plot.py at 2017-10-12 09:40:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 75.467 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 64.77 Mbit/s  
95th percentile per-packet one-way delay: 75.496 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 32.30 Mbit/s  
95th percentile per-packet one-way delay: 75.427 ms  
Loss rate: 0.06%  
-- Flow 3:  
Average throughput: 32.55 Mbit/s  
95th percentile per-packet one-way delay: 59.697 ms  
Loss rate: 0.36%



### Run 3: Report of TCP Vegas — Data Link

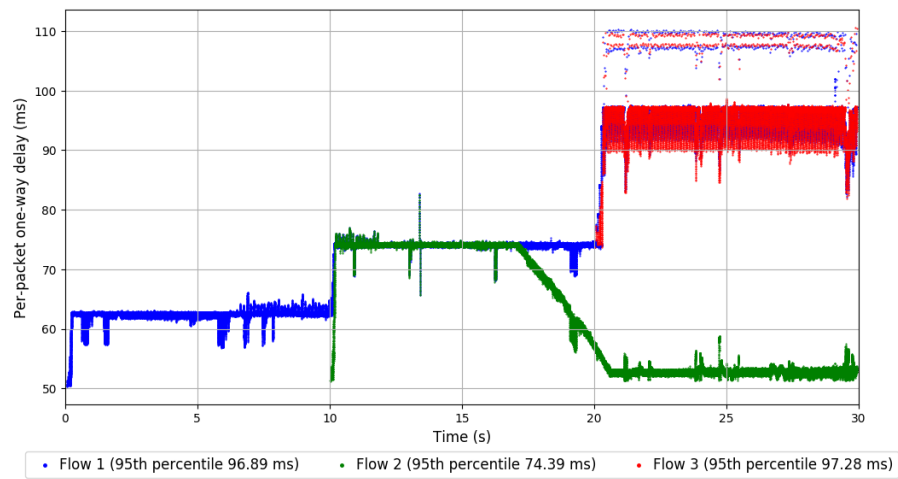
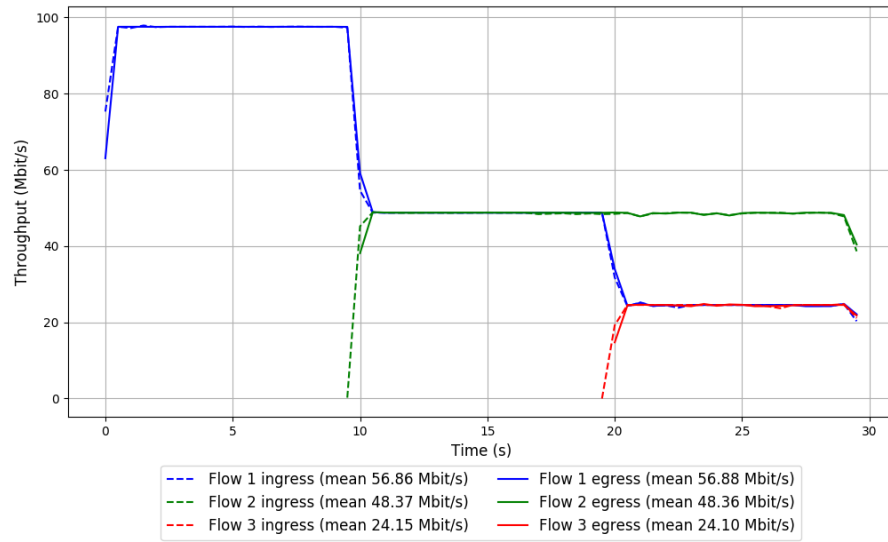


Run 4: Statistics of TCP Vegas

Start at: 2017-10-12 04:29:13  
End at: 2017-10-12 04:29:43  
Local clock offset: 2.873 ms  
Remote clock offset: -34.752 ms

# Below is generated by plot.py at 2017-10-12 09:40:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 96.965 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 56.88 Mbit/s  
95th percentile per-packet one-way delay: 96.894 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 48.36 Mbit/s  
95th percentile per-packet one-way delay: 74.392 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 24.10 Mbit/s  
95th percentile per-packet one-way delay: 97.285 ms  
Loss rate: 0.84%

# Run 4: Report of TCP Vegas — Data Link

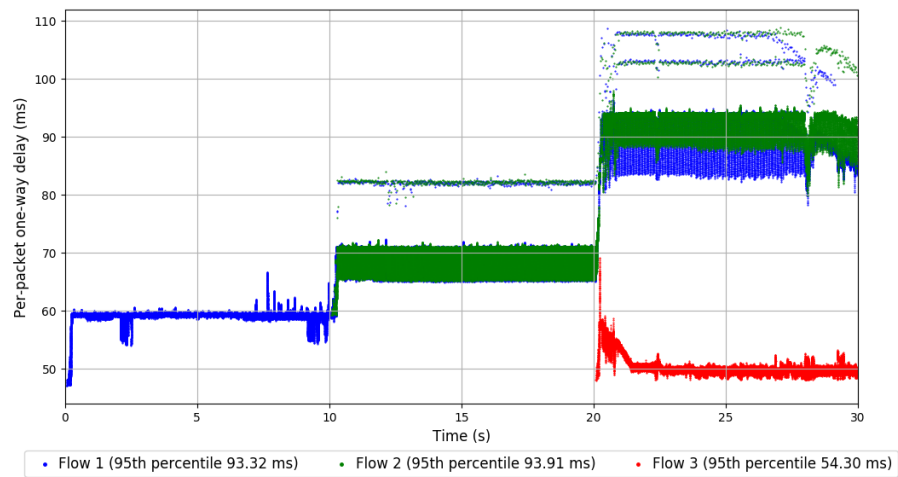
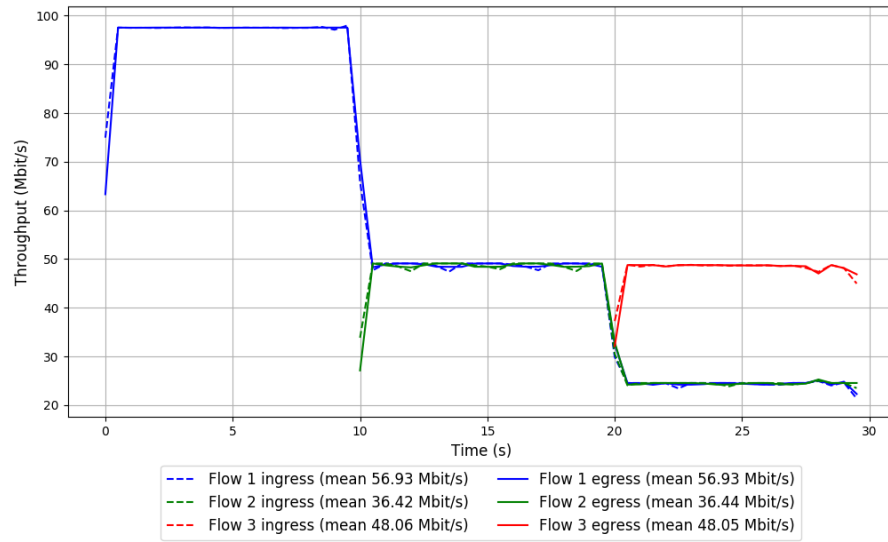


Run 5: Statistics of TCP Vegas

Start at: 2017-10-12 04:47:07  
End at: 2017-10-12 04:47:37  
Local clock offset: 0.805 ms  
Remote clock offset: -33.038 ms

# Below is generated by plot.py at 2017-10-12 09:40:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 93.616 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 56.93 Mbit/s  
95th percentile per-packet one-way delay: 93.321 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 36.44 Mbit/s  
95th percentile per-packet one-way delay: 93.914 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 48.05 Mbit/s  
95th percentile per-packet one-way delay: 54.299 ms  
Loss rate: 0.31%

## Run 5: Report of TCP Vegas — Data Link

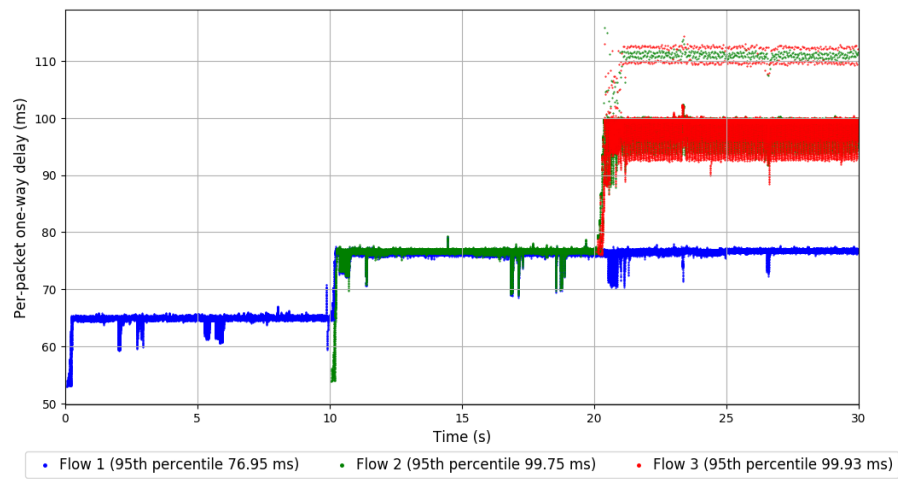
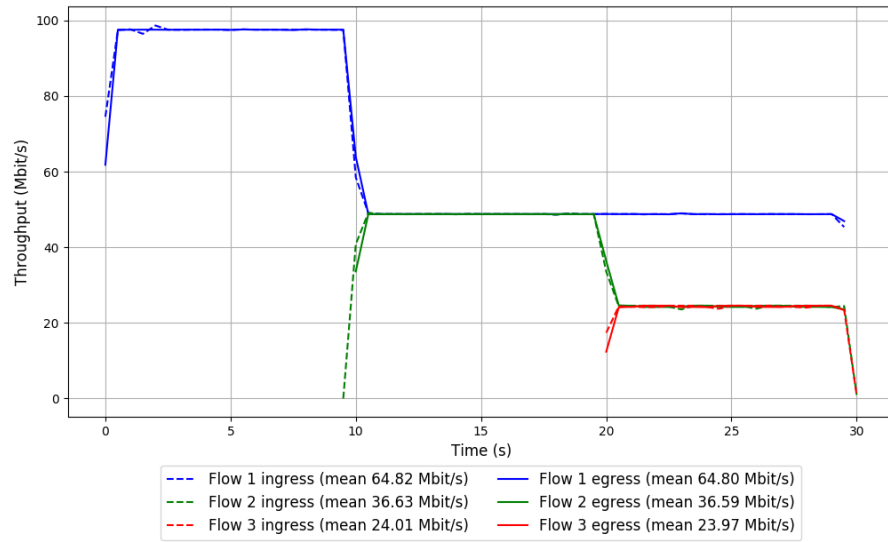


Run 6: Statistics of TCP Vegas

Start at: 2017-10-12 05:05:43  
End at: 2017-10-12 05:06:13  
Local clock offset: 3.483 ms  
Remote clock offset: -32.505 ms

# Below is generated by plot.py at 2017-10-12 09:40:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 99.567 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 64.80 Mbit/s  
95th percentile per-packet one-way delay: 76.947 ms  
Loss rate: 0.15%  
-- Flow 2:  
Average throughput: 36.59 Mbit/s  
95th percentile per-packet one-way delay: 99.754 ms  
Loss rate: 0.48%  
-- Flow 3:  
Average throughput: 23.97 Mbit/s  
95th percentile per-packet one-way delay: 99.929 ms  
Loss rate: 1.13%

## Run 6: Report of TCP Vegas — Data Link



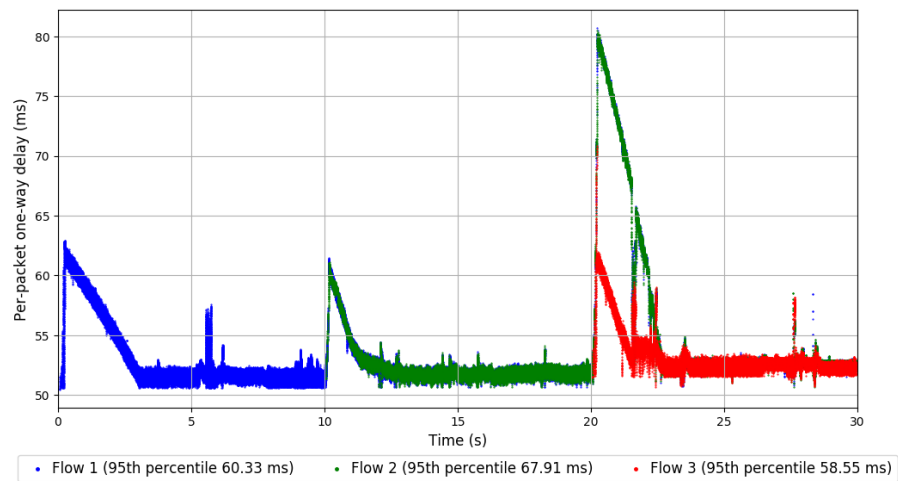
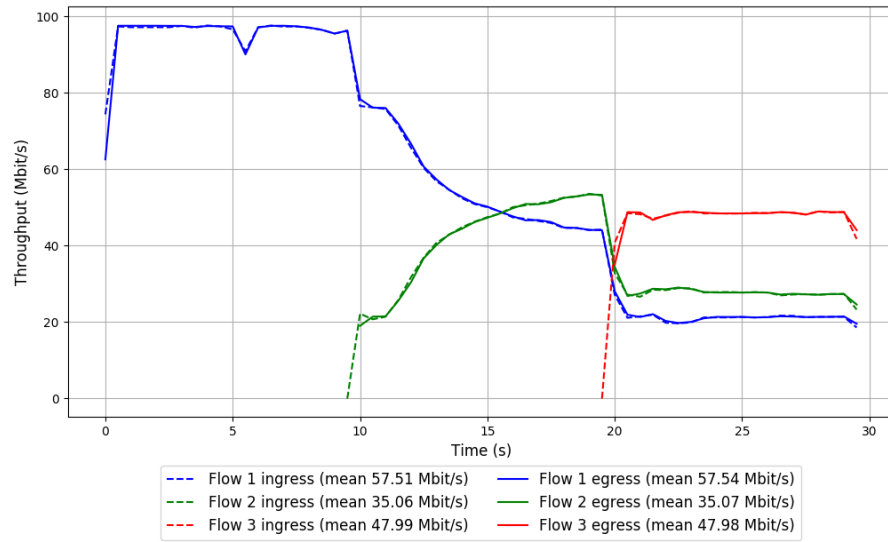
Run 7: Statistics of TCP Vegas

Start at: 2017-10-12 05:22:44  
End at: 2017-10-12 05:23:14  
Local clock offset: 0.591 ms  
Remote clock offset: -30.268 ms

# Below is generated by plot.py at 2017-10-12 09:40:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.82 Mbit/s  
95th percentile per-packet one-way delay: 60.398 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 57.54 Mbit/s  
95th percentile per-packet one-way delay: 60.330 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 35.07 Mbit/s  
95th percentile per-packet one-way delay: 67.907 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 47.98 Mbit/s  
95th percentile per-packet one-way delay: 58.547 ms  
Loss rate: 0.30%



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

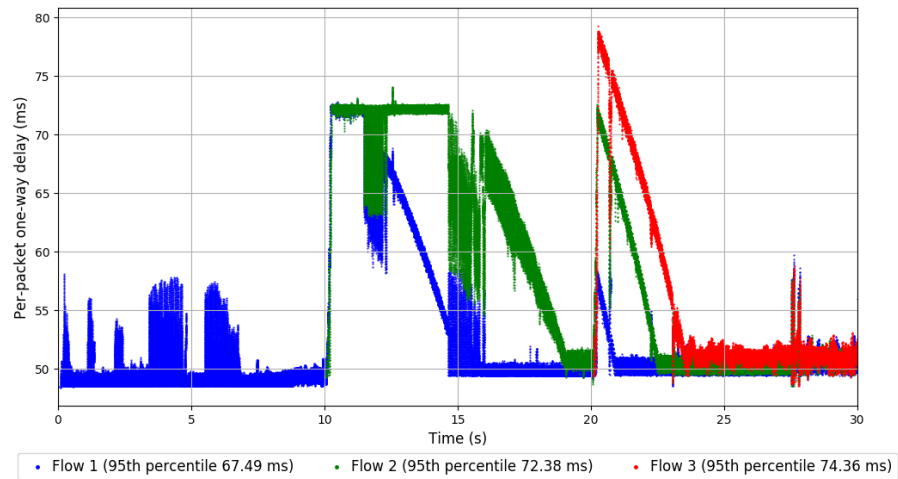
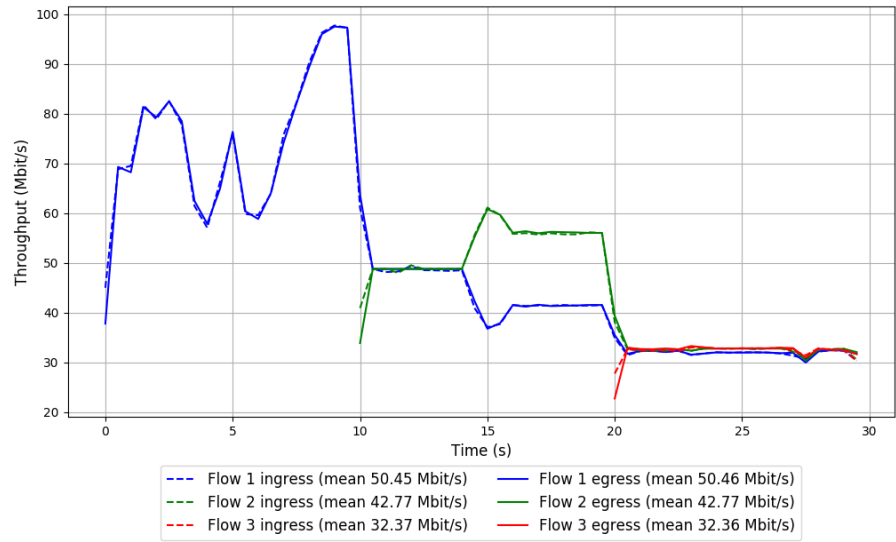


Run 8: Statistics of TCP Vegas

Start at: 2017-10-12 05:43:23  
End at: 2017-10-12 05:43:53  
Local clock offset: 0.218 ms  
Remote clock offset: -25.673 ms

# Below is generated by plot.py at 2017-10-12 09:40:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.67 Mbit/s  
95th percentile per-packet one-way delay: 72.255 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 50.46 Mbit/s  
95th percentile per-packet one-way delay: 67.487 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 42.77 Mbit/s  
95th percentile per-packet one-way delay: 72.375 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 32.36 Mbit/s  
95th percentile per-packet one-way delay: 74.360 ms  
Loss rate: 0.29%

# Run 8: Report of TCP Vegas — Data Link

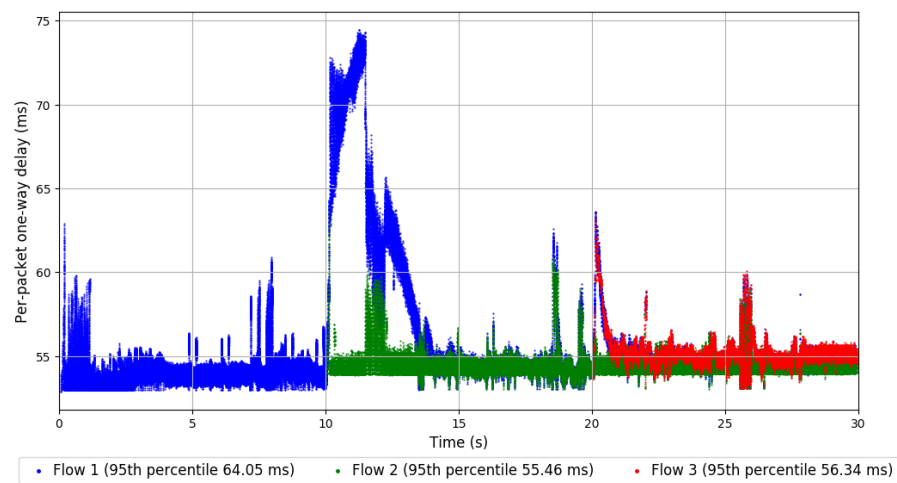
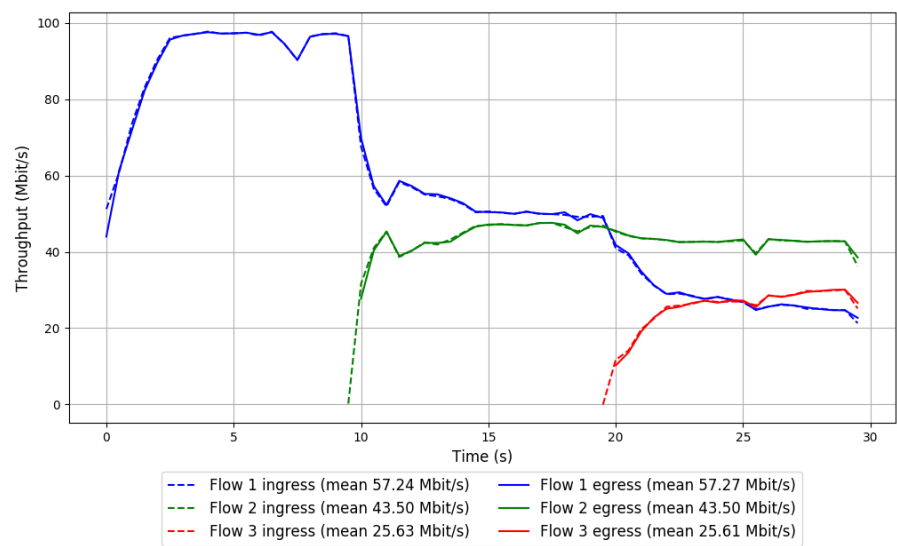


Run 9: Statistics of TCP Vegas

Start at: 2017-10-12 06:01:30  
End at: 2017-10-12 06:02:00  
Local clock offset: 4.241 ms  
Remote clock offset: -23.659 ms

# Below is generated by plot.py at 2017-10-12 09:41:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.77 Mbit/s  
95th percentile per-packet one-way delay: 60.854 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 57.27 Mbit/s  
95th percentile per-packet one-way delay: 64.046 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 43.50 Mbit/s  
95th percentile per-packet one-way delay: 55.461 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 25.61 Mbit/s  
95th percentile per-packet one-way delay: 56.342 ms  
Loss rate: 0.34%

Run 9: Report of TCP Vegas — Data Link

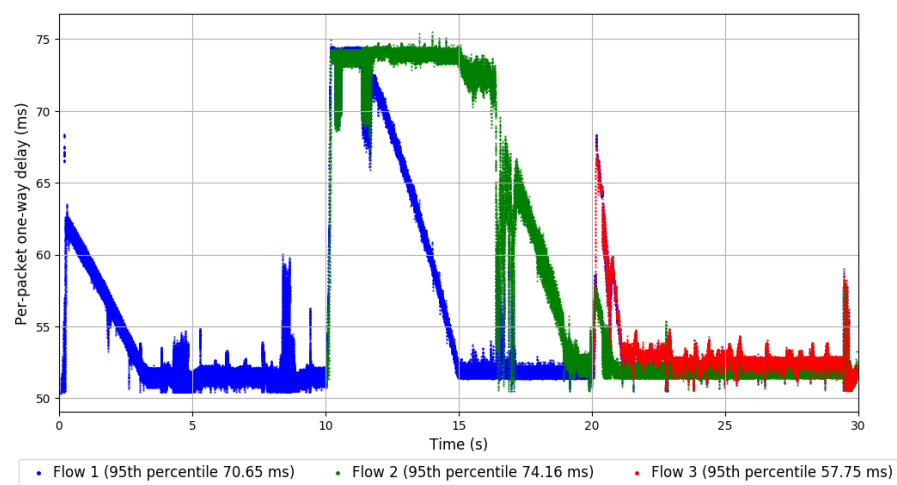
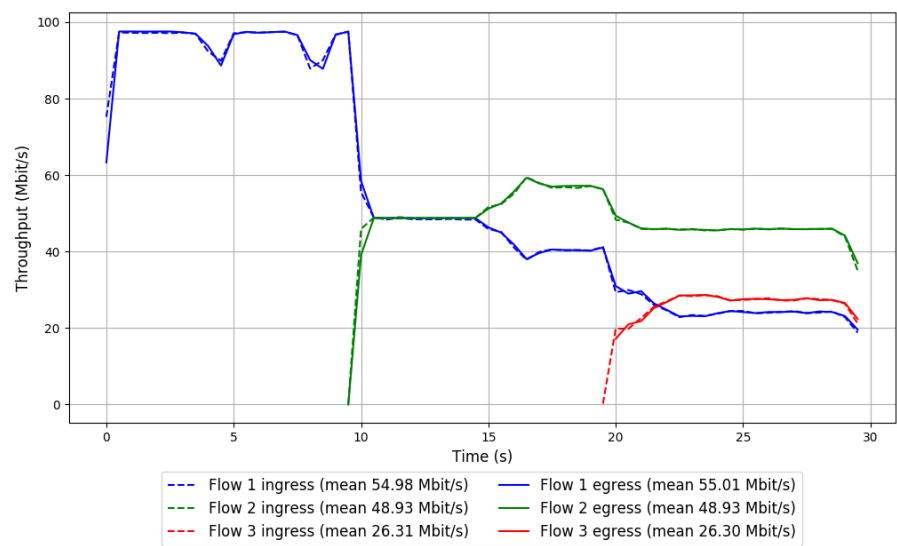


Run 10: Statistics of TCP Vegas

Start at: 2017-10-12 06:18:36  
End at: 2017-10-12 06:19:06  
Local clock offset: 0.787 ms  
Remote clock offset: -20.911 ms

# Below is generated by plot.py at 2017-10-12 09:41:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.39 Mbit/s  
95th percentile per-packet one-way delay: 73.951 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 55.01 Mbit/s  
95th percentile per-packet one-way delay: 70.648 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 48.93 Mbit/s  
95th percentile per-packet one-way delay: 74.160 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 26.30 Mbit/s  
95th percentile per-packet one-way delay: 57.754 ms  
Loss rate: 0.32%

Run 10: Report of TCP Vegas — Data Link



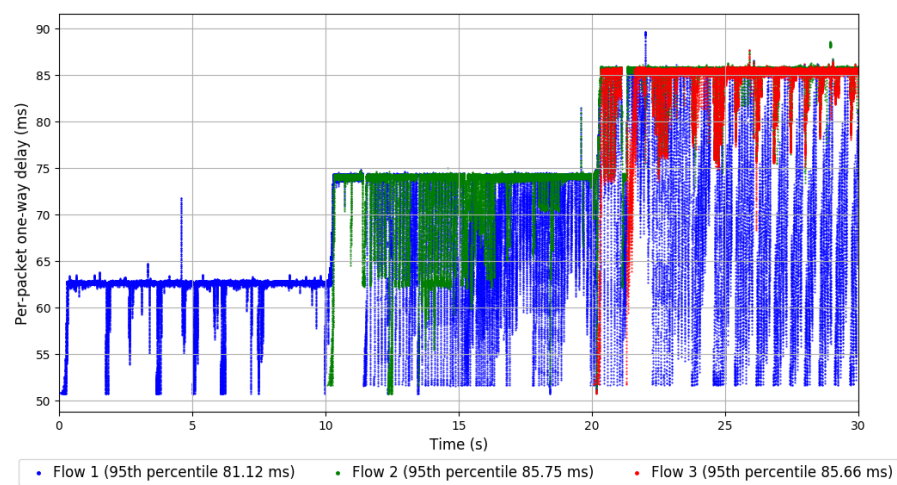
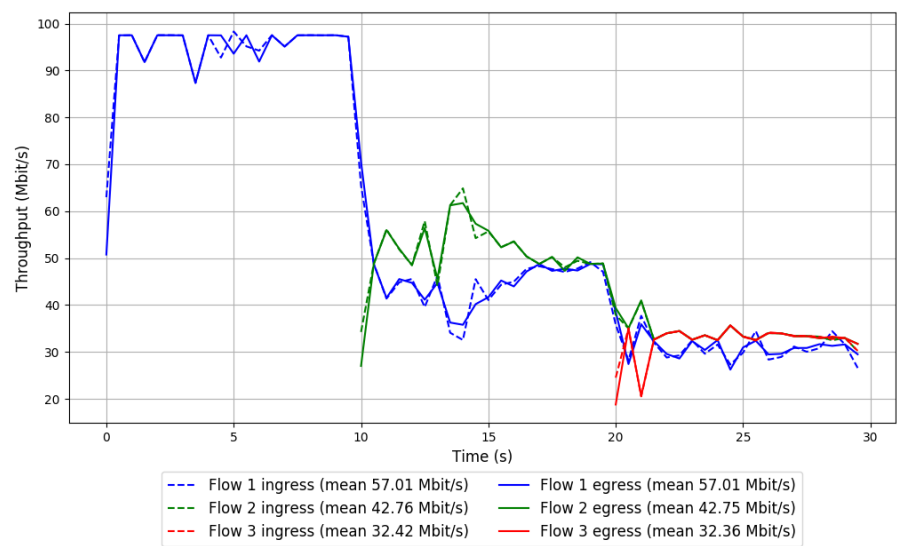
Run 1: Statistics of Verus

Start at: 2017-10-12 03:43:27  
End at: 2017-10-12 03:43:57  
Local clock offset: 3.293 ms  
Remote clock offset: -36.865 ms

# Below is generated by plot.py at 2017-10-12 09:41:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.17 Mbit/s  
95th percentile per-packet one-way delay: 85.637 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 57.01 Mbit/s  
95th percentile per-packet one-way delay: 81.123 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 42.75 Mbit/s  
95th percentile per-packet one-way delay: 85.745 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 32.36 Mbit/s  
95th percentile per-packet one-way delay: 85.661 ms  
Loss rate: 0.63%



Run 1: Report of Verus — Data Link

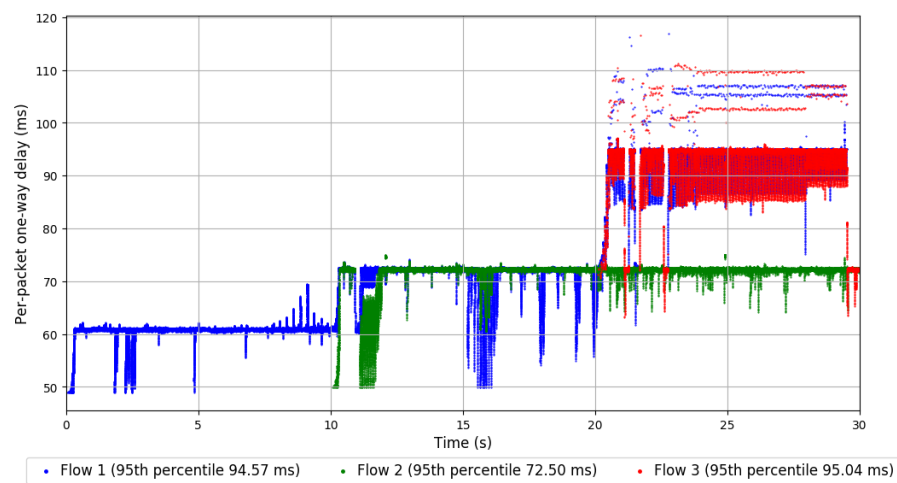
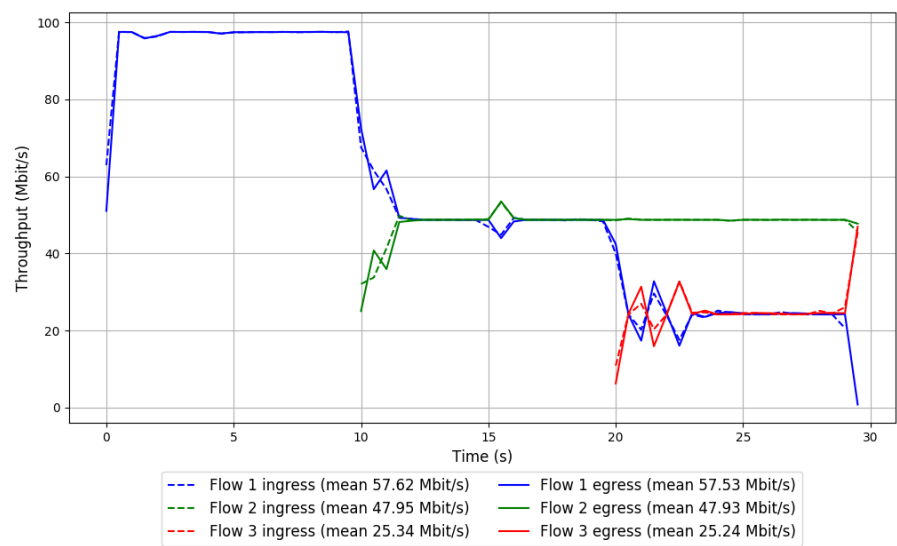


Run 2: Statistics of Verus

Start at: 2017-10-12 04:00:27  
End at: 2017-10-12 04:00:57  
Local clock offset: 0.824 ms  
Remote clock offset: -36.775 ms

# Below is generated by plot.py at 2017-10-12 09:41:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.82 Mbit/s  
95th percentile per-packet one-way delay: 94.736 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 57.53 Mbit/s  
95th percentile per-packet one-way delay: 94.567 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 47.93 Mbit/s  
95th percentile per-packet one-way delay: 72.499 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 25.24 Mbit/s  
95th percentile per-packet one-way delay: 95.042 ms  
Loss rate: 0.98%

Run 2: Report of Verus — Data Link

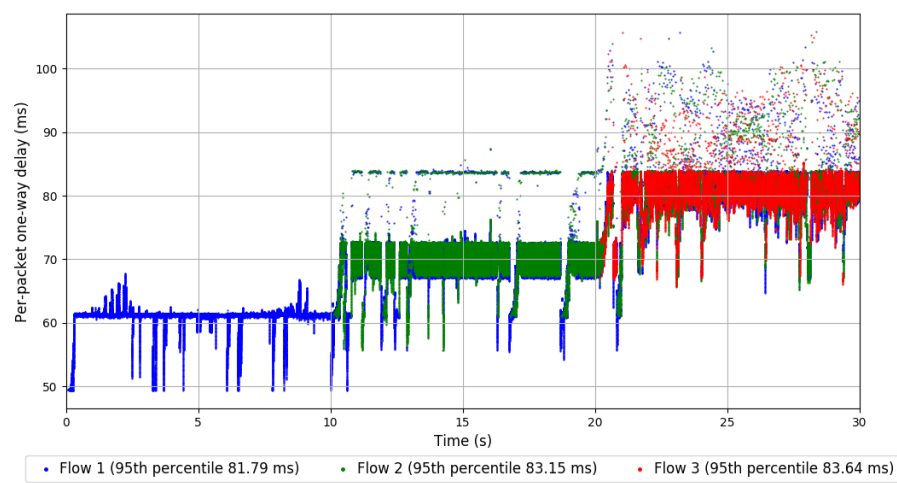
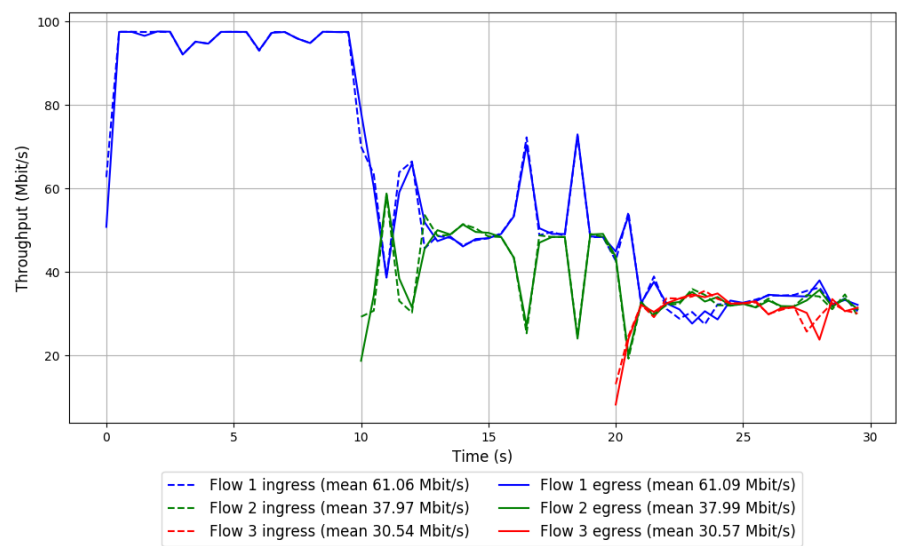


Run 3: Statistics of Verus

Start at: 2017-10-12 04:17:18  
End at: 2017-10-12 04:17:48  
Local clock offset: 0.562 ms  
Remote clock offset: -36.426 ms

# Below is generated by plot.py at 2017-10-12 09:41:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.45 Mbit/s  
95th percentile per-packet one-way delay: 82.855 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 61.09 Mbit/s  
95th percentile per-packet one-way delay: 81.792 ms  
Loss rate: 0.13%  
-- Flow 2:  
Average throughput: 37.99 Mbit/s  
95th percentile per-packet one-way delay: 83.148 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 30.57 Mbit/s  
95th percentile per-packet one-way delay: 83.636 ms  
Loss rate: 0.64%

Run 3: Report of Verus — Data Link

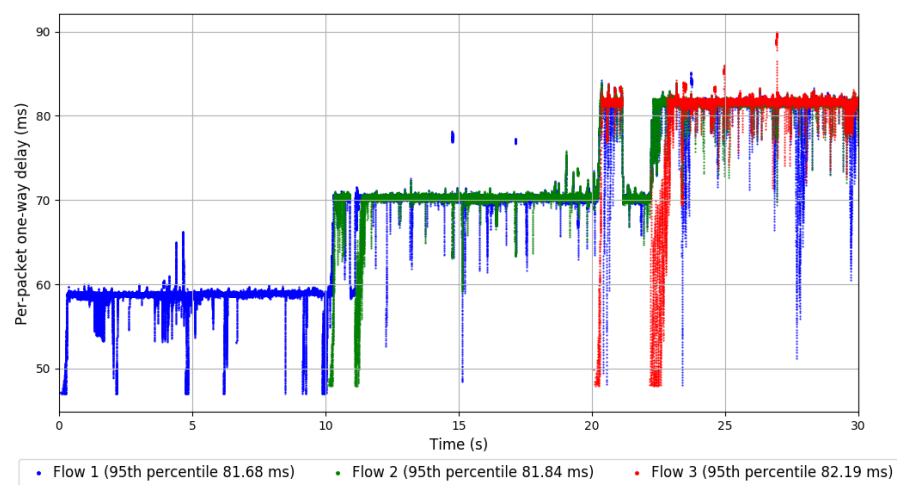
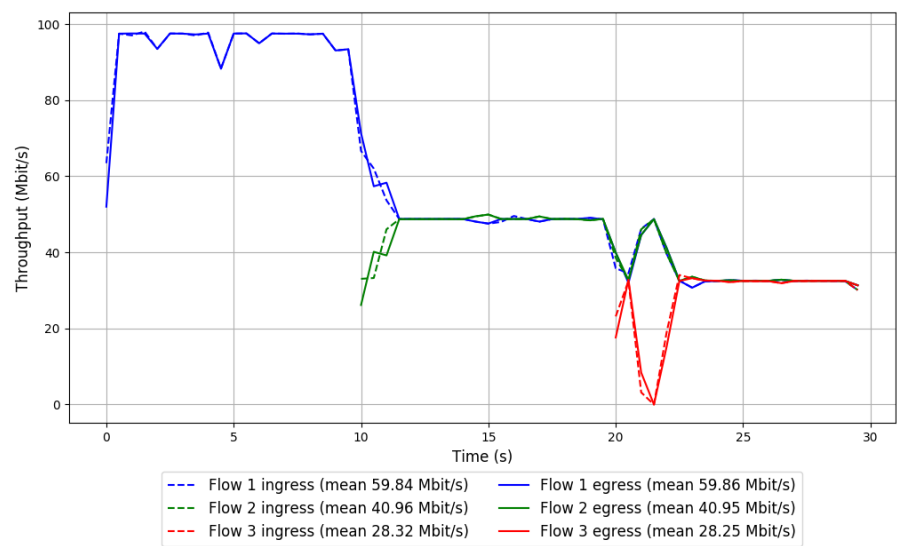


Run 4: Statistics of Verus

Start at: 2017-10-12 04:34:23  
End at: 2017-10-12 04:34:53  
Local clock offset: 0.176 ms  
Remote clock offset: -33.785 ms

# Below is generated by plot.py at 2017-10-12 09:41:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.46 Mbit/s  
95th percentile per-packet one-way delay: 81.838 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 59.86 Mbit/s  
95th percentile per-packet one-way delay: 81.684 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.95 Mbit/s  
95th percentile per-packet one-way delay: 81.836 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 28.25 Mbit/s  
95th percentile per-packet one-way delay: 82.195 ms  
Loss rate: 0.72%

Run 4: Report of Verus — Data Link



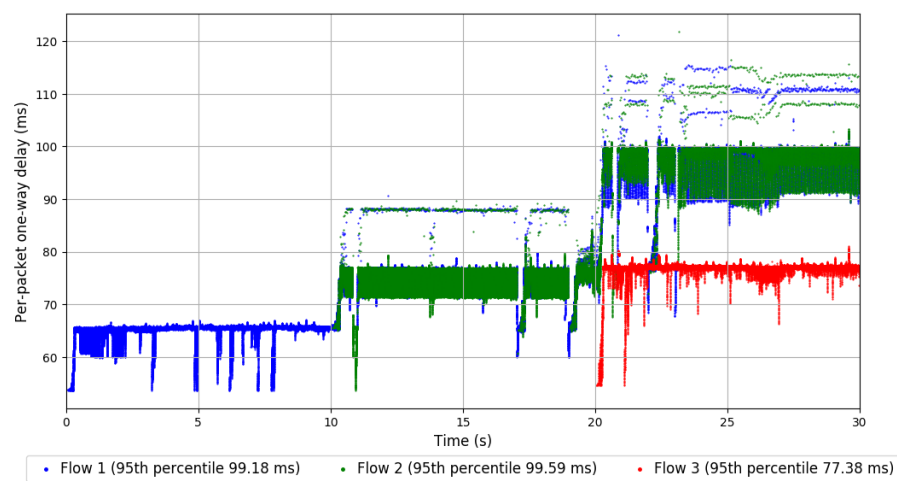
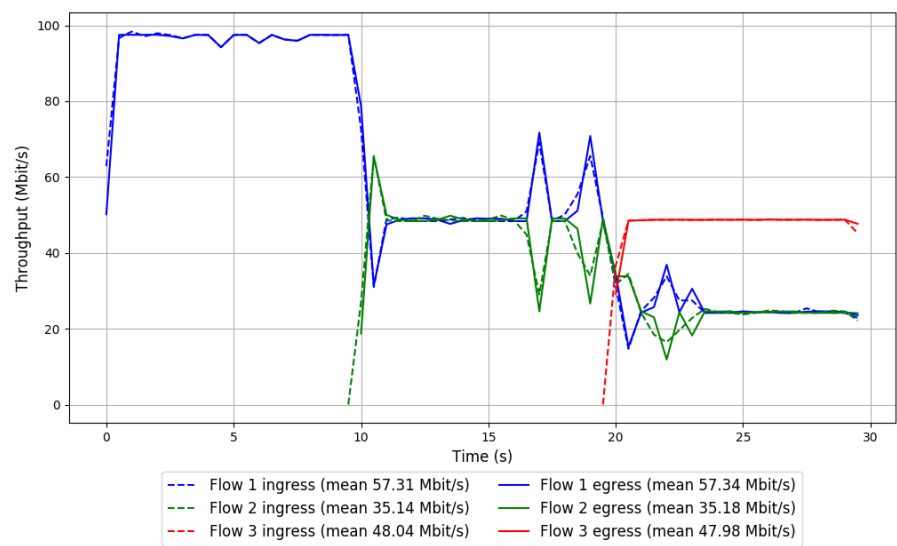
Run 5: Statistics of Verus

Start at: 2017-10-12 04:52:27  
End at: 2017-10-12 04:52:57  
Local clock offset: 1.47 ms  
Remote clock offset: -37.602 ms

# Below is generated by plot.py at 2017-10-12 09:42:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.68 Mbit/s  
95th percentile per-packet one-way delay: 99.341 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 57.34 Mbit/s  
95th percentile per-packet one-way delay: 99.177 ms  
Loss rate: 0.12%  
-- Flow 2:  
Average throughput: 35.18 Mbit/s  
95th percentile per-packet one-way delay: 99.593 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 47.98 Mbit/s  
95th percentile per-packet one-way delay: 77.381 ms  
Loss rate: 0.52%



Run 5: Report of Verus — Data Link

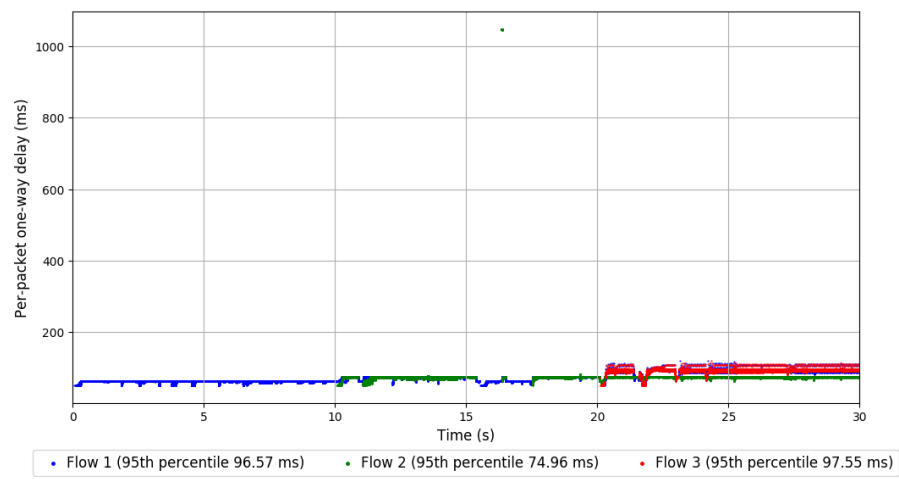
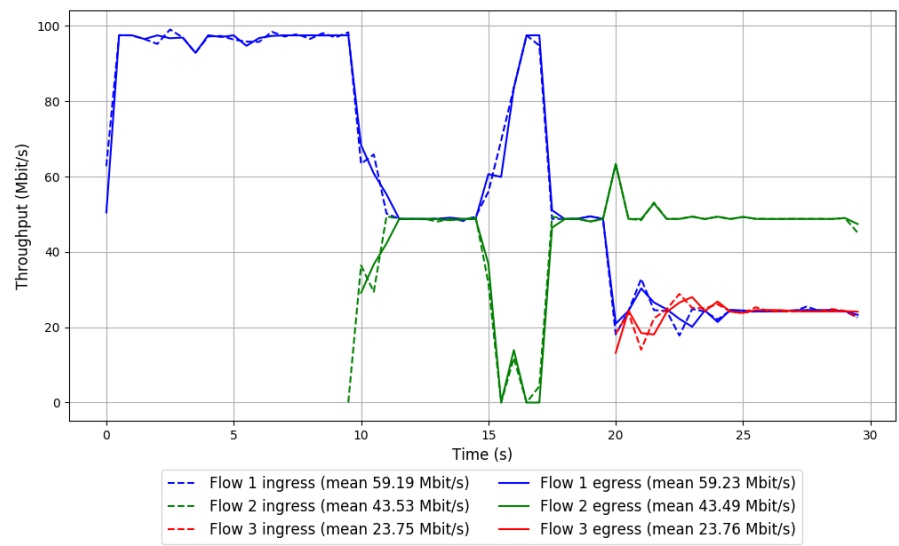


Run 6: Statistics of Verus

Start at: 2017-10-12 05:10:39  
End at: 2017-10-12 05:11:09  
Local clock offset: 3.228 ms  
Remote clock offset: -30.231 ms

# Below is generated by plot.py at 2017-10-12 09:42:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.06 Mbit/s  
95th percentile per-packet one-way delay: 97.022 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 59.23 Mbit/s  
95th percentile per-packet one-way delay: 96.567 ms  
Loss rate: 0.10%  
-- Flow 2:  
Average throughput: 43.49 Mbit/s  
95th percentile per-packet one-way delay: 74.959 ms  
Loss rate: 0.28%  
-- Flow 3:  
Average throughput: 23.76 Mbit/s  
95th percentile per-packet one-way delay: 97.554 ms  
Loss rate: 0.74%

Run 6: Report of Verus — Data Link

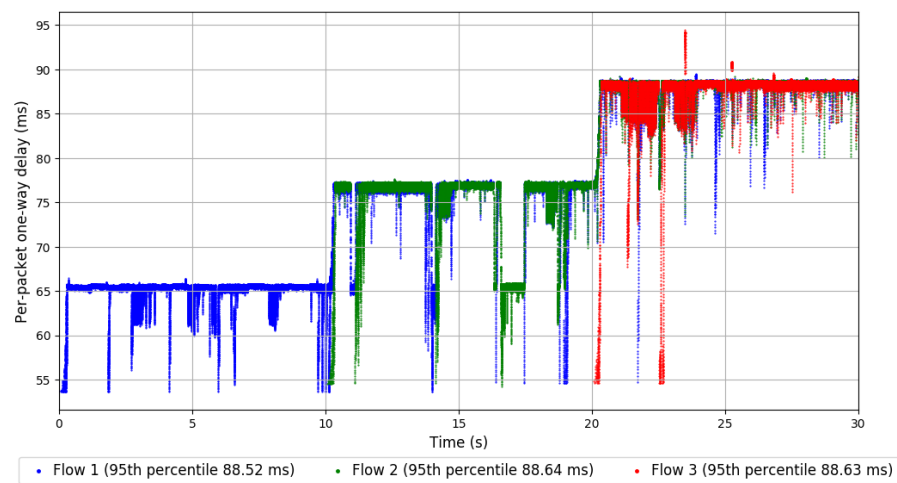
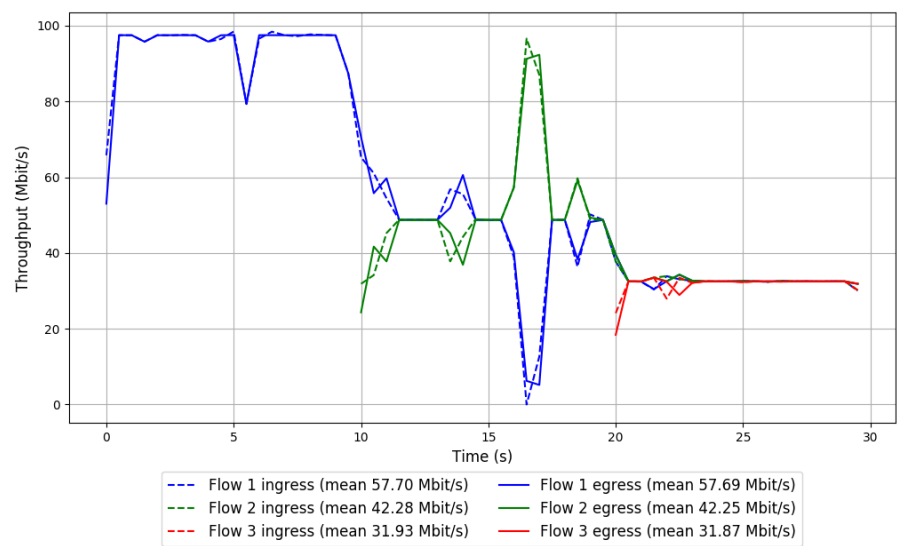


Run 7: Statistics of Verus

Start at: 2017-10-12 05:28:48  
End at: 2017-10-12 05:29:18  
Local clock offset: 2.981 ms  
Remote clock offset: -29.973 ms

# Below is generated by plot.py at 2017-10-12 09:42:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.35 Mbit/s  
95th percentile per-packet one-way delay: 88.594 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 57.69 Mbit/s  
95th percentile per-packet one-way delay: 88.522 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 42.25 Mbit/s  
95th percentile per-packet one-way delay: 88.637 ms  
Loss rate: 0.24%  
-- Flow 3:  
Average throughput: 31.87 Mbit/s  
95th percentile per-packet one-way delay: 88.626 ms  
Loss rate: 0.64%

Run 7: Report of Verus — Data Link

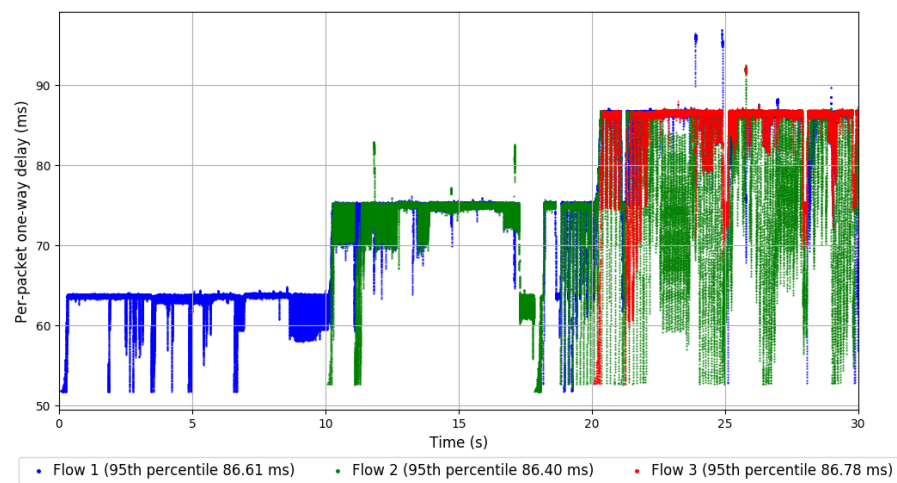
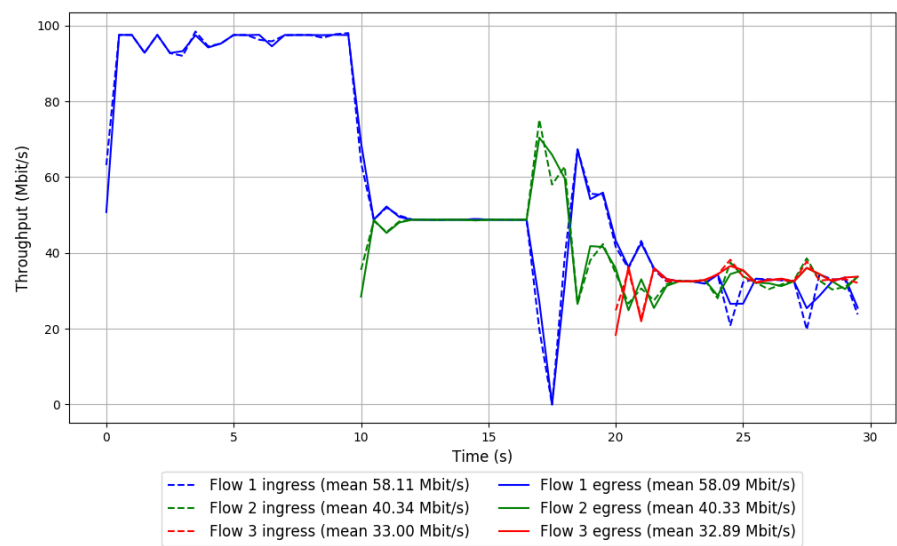


Run 8: Statistics of Verus

Start at: 2017-10-12 05:48:36  
End at: 2017-10-12 05:49:06  
Local clock offset: 3.195 ms  
Remote clock offset: -25.313 ms

# Below is generated by plot.py at 2017-10-12 09:42:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.79 Mbit/s  
95th percentile per-packet one-way delay: 86.655 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 58.09 Mbit/s  
95th percentile per-packet one-way delay: 86.614 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.33 Mbit/s  
95th percentile per-packet one-way delay: 86.401 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 32.89 Mbit/s  
95th percentile per-packet one-way delay: 86.776 ms  
Loss rate: 0.61%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-10-12 06:06:16

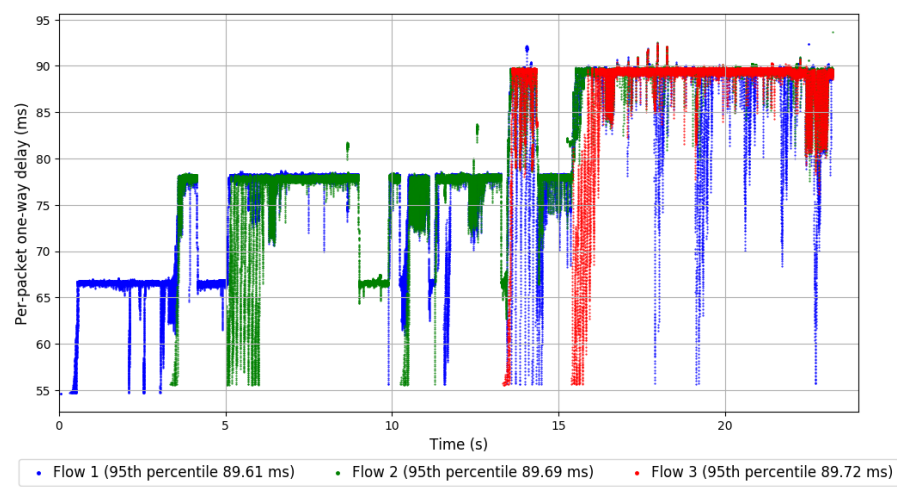
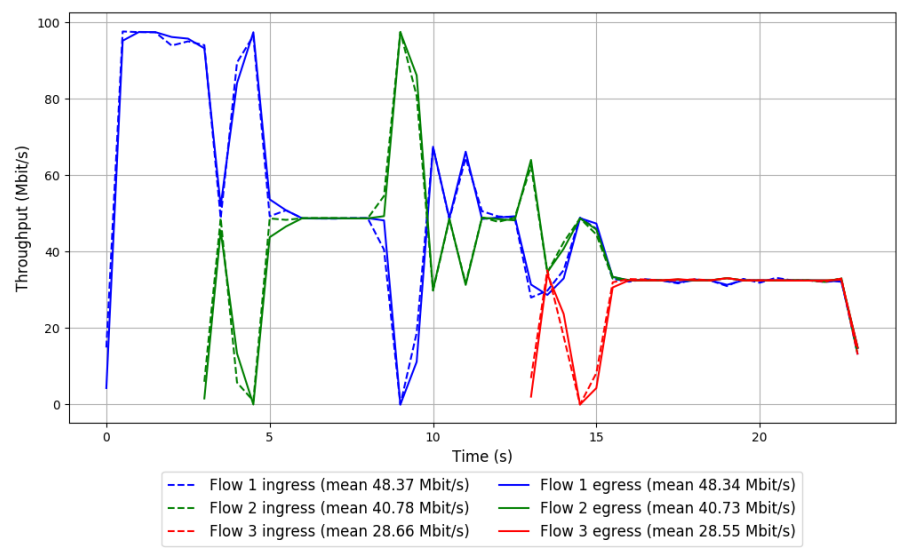
End at: 2017-10-12 06:06:46

Local clock offset: 3.421 ms

Remote clock offset: -25.266 ms



Run 9: Report of Verus — Data Link

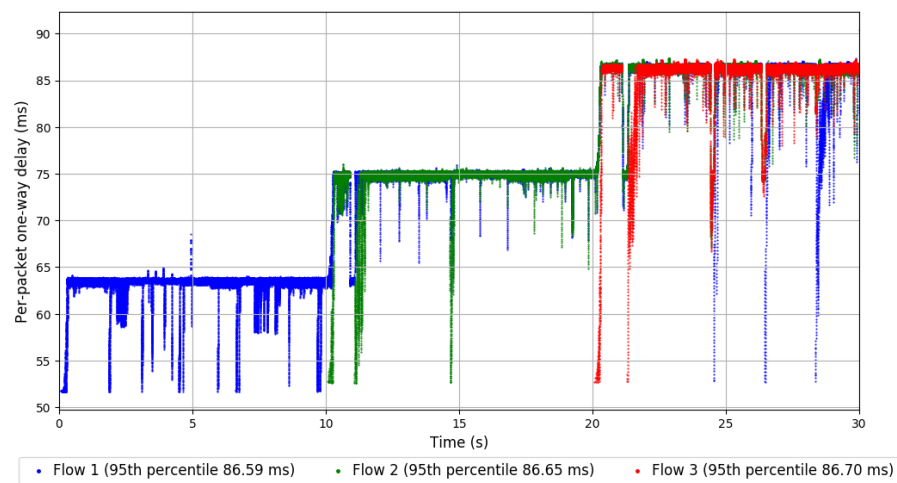
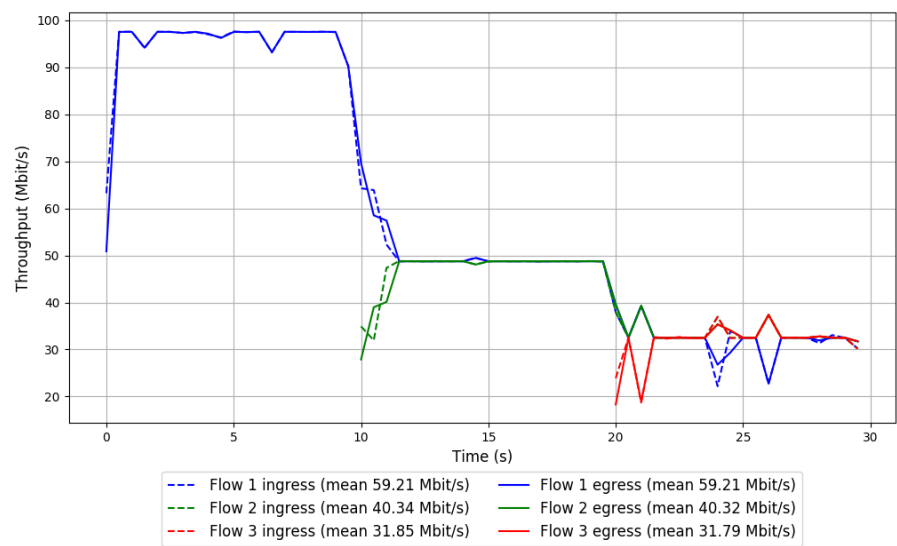


Run 10: Statistics of Verus

Start at: 2017-10-12 06:23:30  
End at: 2017-10-12 06:24:00  
Local clock offset: 1.411 ms  
Remote clock offset: -20.444 ms

# Below is generated by plot.py at 2017-10-12 09:42:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.58 Mbit/s  
95th percentile per-packet one-way delay: 86.635 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 59.21 Mbit/s  
95th percentile per-packet one-way delay: 86.592 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 40.32 Mbit/s  
95th percentile per-packet one-way delay: 86.654 ms  
Loss rate: 0.25%  
-- Flow 3:  
Average throughput: 31.79 Mbit/s  
95th percentile per-packet one-way delay: 86.697 ms  
Loss rate: 0.64%

Run 10: Report of Verus — Data Link

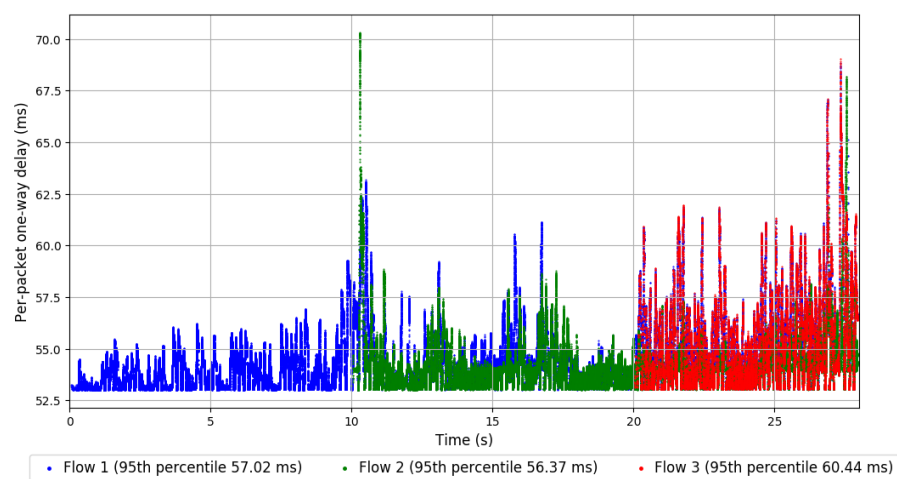
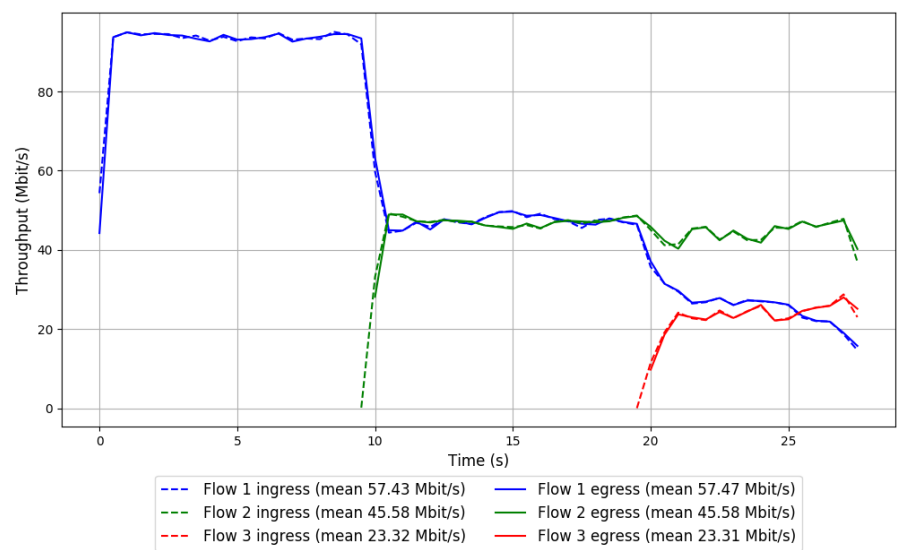


Run 1: Statistics of Copa

Start at: 2017-10-12 03:48:30  
End at: 2017-10-12 03:49:00  
Local clock offset: 3.909 ms  
Remote clock offset: -38.265 ms

# Below is generated by plot.py at 2017-10-12 09:43:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.38 Mbit/s  
95th percentile per-packet one-way delay: 57.216 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 57.47 Mbit/s  
95th percentile per-packet one-way delay: 57.022 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 45.58 Mbit/s  
95th percentile per-packet one-way delay: 56.374 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 23.31 Mbit/s  
95th percentile per-packet one-way delay: 60.442 ms  
Loss rate: 0.40%

Run 1: Report of Copa — Data Link

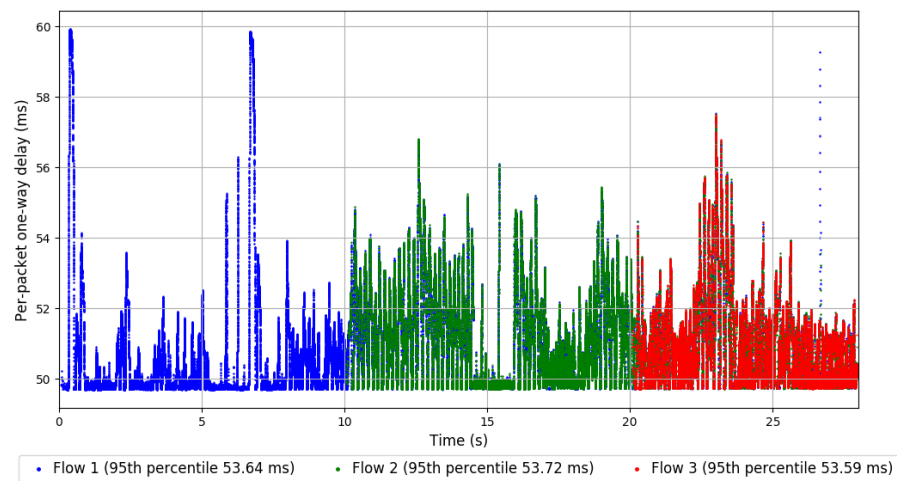
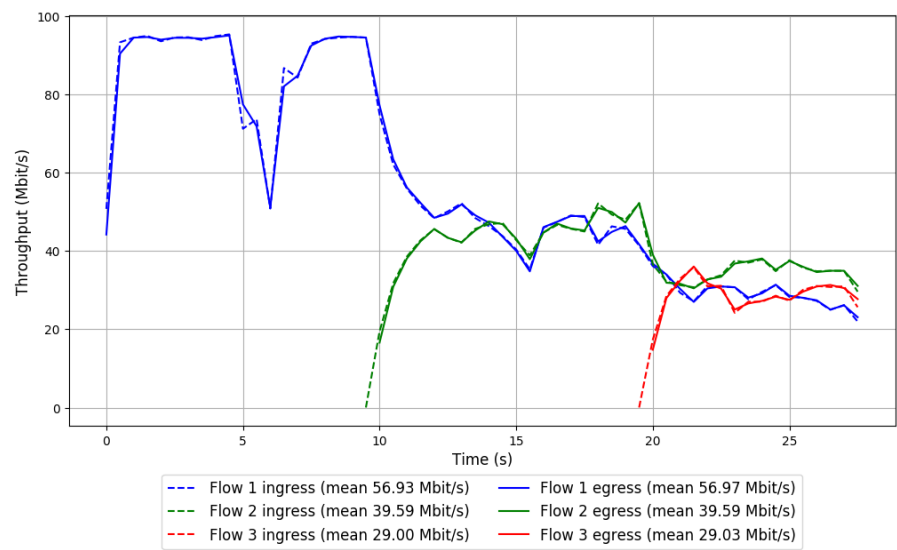


Run 2: Statistics of Copa

Start at: 2017-10-12 04:05:25  
End at: 2017-10-12 04:05:55  
Local clock offset: 0.234 ms  
Remote clock offset: -37.804 ms

# Below is generated by plot.py at 2017-10-12 09:43:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.63 Mbit/s  
95th percentile per-packet one-way delay: 53.665 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 56.97 Mbit/s  
95th percentile per-packet one-way delay: 53.636 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.59 Mbit/s  
95th percentile per-packet one-way delay: 53.716 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 29.03 Mbit/s  
95th percentile per-packet one-way delay: 53.588 ms  
Loss rate: 0.26%

Run 2: Report of Copa — Data Link



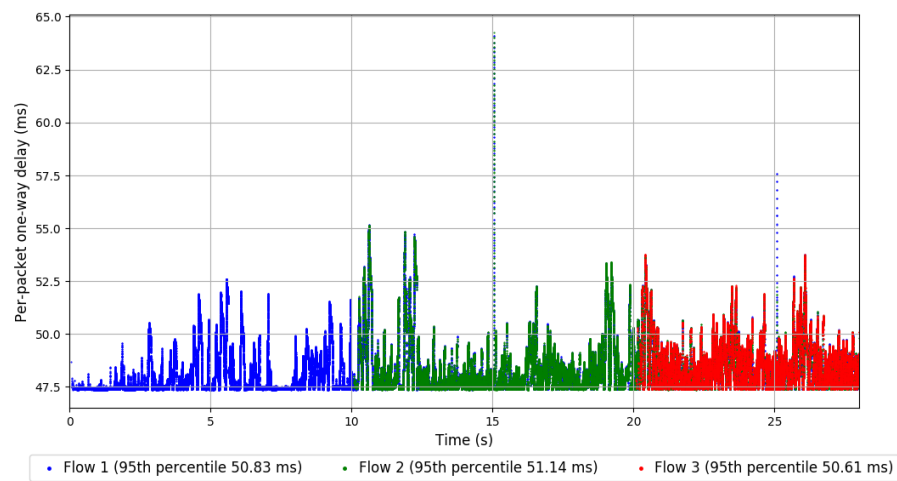
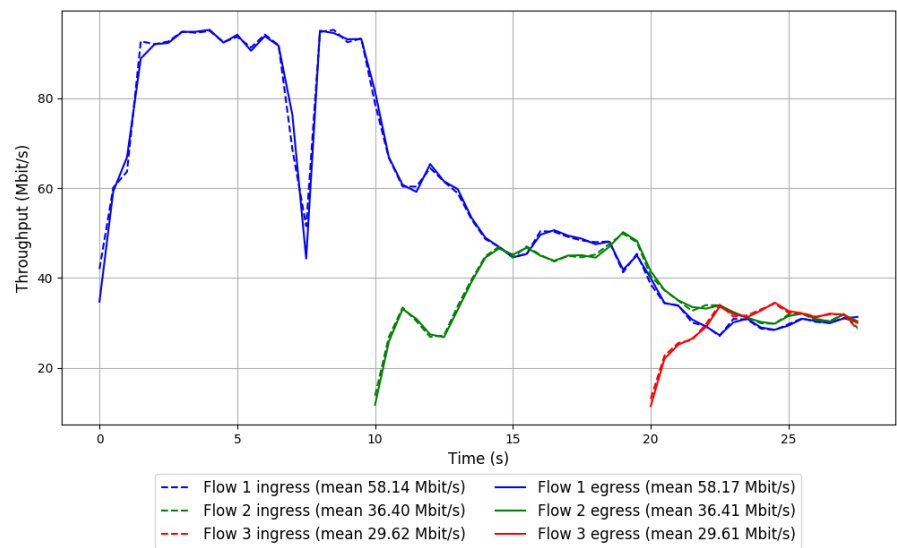
Run 3: Statistics of Copa

Start at: 2017-10-12 04:22:15  
End at: 2017-10-12 04:22:45  
Local clock offset: 1.444 ms  
Remote clock offset: -33.369 ms

# Below is generated by plot.py at 2017-10-12 09:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.90 Mbit/s  
95th percentile per-packet one-way delay: 50.854 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.17 Mbit/s  
95th percentile per-packet one-way delay: 50.833 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 36.41 Mbit/s  
95th percentile per-packet one-way delay: 51.141 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 29.61 Mbit/s  
95th percentile per-packet one-way delay: 50.614 ms  
Loss rate: 0.37%



Run 3: Report of Copa — Data Link

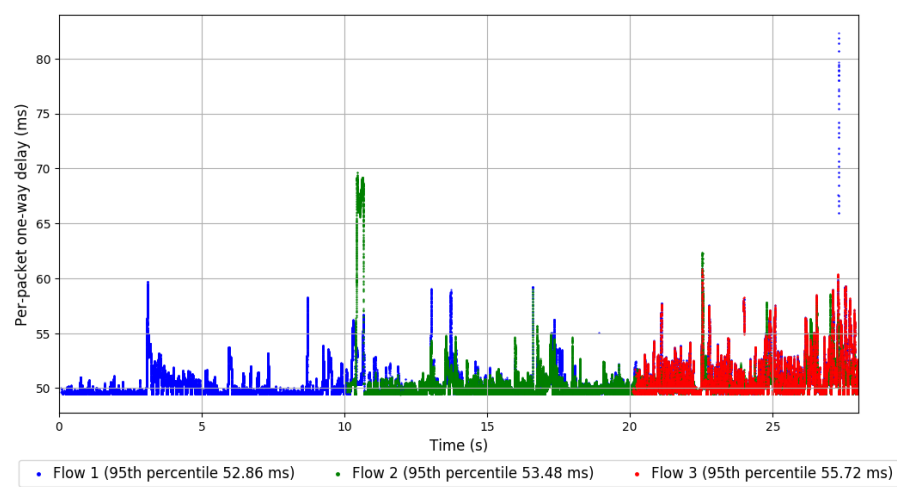
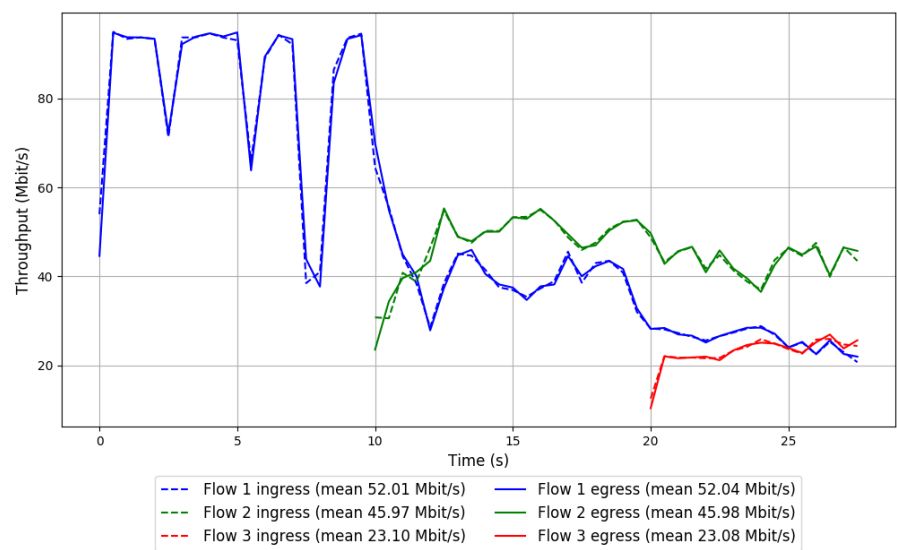


Run 4: Statistics of Copa

Start at: 2017-10-12 04:39:53  
End at: 2017-10-12 04:40:23  
Local clock offset: 1.647 ms  
Remote clock offset: -34.638 ms

# Below is generated by plot.py at 2017-10-12 09:44:27  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.06 Mbit/s  
95th percentile per-packet one-way delay: 53.350 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 52.04 Mbit/s  
95th percentile per-packet one-way delay: 52.860 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 45.98 Mbit/s  
95th percentile per-packet one-way delay: 53.478 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 23.08 Mbit/s  
95th percentile per-packet one-way delay: 55.724 ms  
Loss rate: 0.43%

Run 4: Report of Copa — Data Link

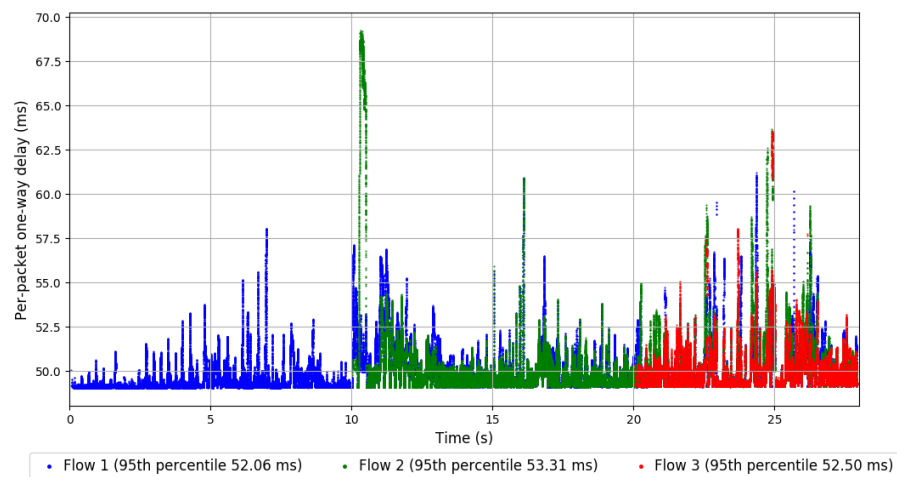
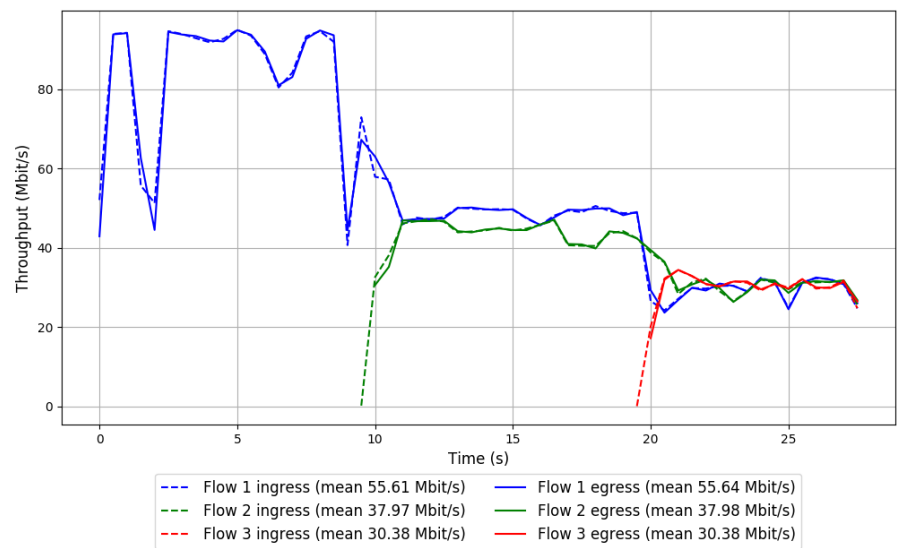


Run 5: Statistics of Copa

Start at: 2017-10-12 04:58:05  
End at: 2017-10-12 04:58:35  
Local clock offset: 1.935 ms  
Remote clock offset: -31.432 ms

# Below is generated by plot.py at 2017-10-12 09:44:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.66 Mbit/s  
95th percentile per-packet one-way delay: 52.468 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 55.64 Mbit/s  
95th percentile per-packet one-way delay: 52.061 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 37.98 Mbit/s  
95th percentile per-packet one-way delay: 53.313 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 30.38 Mbit/s  
95th percentile per-packet one-way delay: 52.496 ms  
Loss rate: 0.35%

Run 5: Report of Copa — Data Link

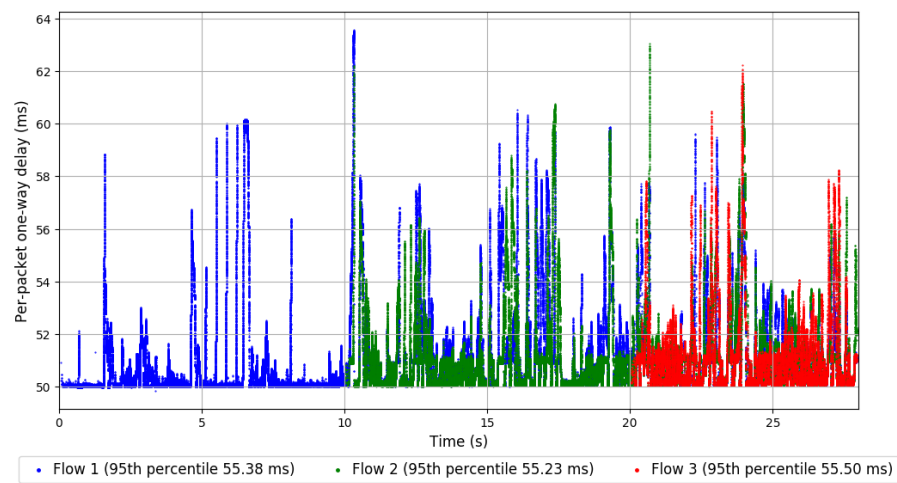
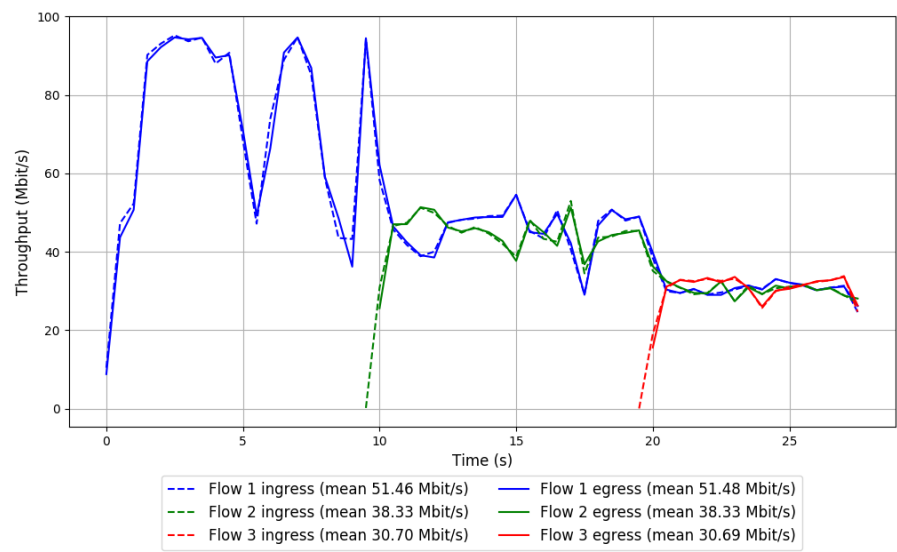


Run 6: Statistics of Copa

Start at: 2017-10-12 05:15:48  
End at: 2017-10-12 05:16:18  
Local clock offset: 0.6 ms  
Remote clock offset: -30.71 ms

# Below is generated by plot.py at 2017-10-12 09:44:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.82 Mbit/s  
95th percentile per-packet one-way delay: 55.339 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 51.48 Mbit/s  
95th percentile per-packet one-way delay: 55.384 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 38.33 Mbit/s  
95th percentile per-packet one-way delay: 55.234 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 30.69 Mbit/s  
95th percentile per-packet one-way delay: 55.497 ms  
Loss rate: 0.38%

Run 6: Report of Copa — Data Link



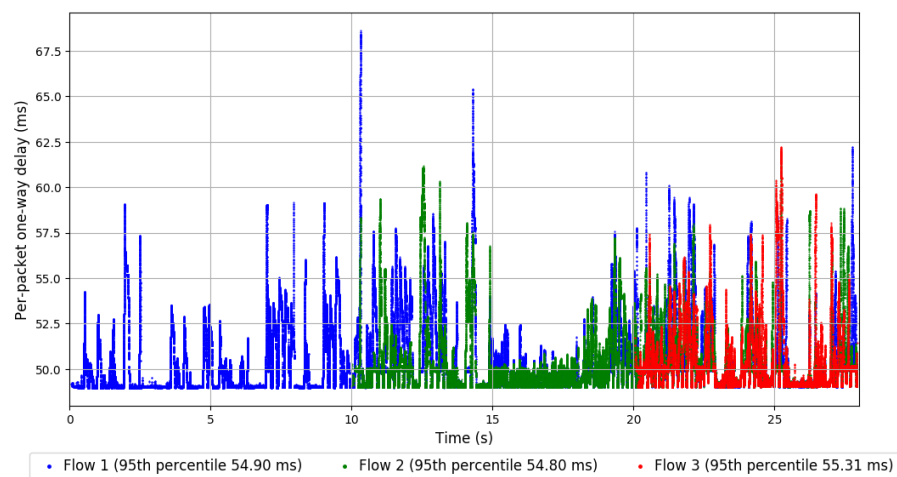
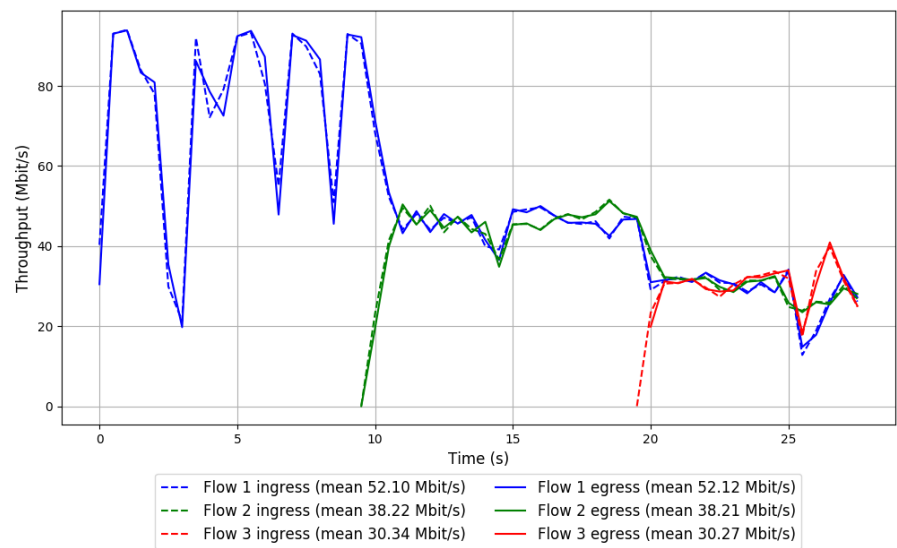
Run 7: Statistics of Copa

Start at: 2017-10-12 05:35:33  
End at: 2017-10-12 05:36:03  
Local clock offset: 1.144 ms  
Remote clock offset: -26.193 ms

# Below is generated by plot.py at 2017-10-12 09:44:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.28 Mbit/s  
95th percentile per-packet one-way delay: 54.890 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 52.12 Mbit/s  
95th percentile per-packet one-way delay: 54.896 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 38.21 Mbit/s  
95th percentile per-packet one-way delay: 54.796 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 30.27 Mbit/s  
95th percentile per-packet one-way delay: 55.315 ms  
Loss rate: 0.55%



Run 7: Report of Copa — Data Link

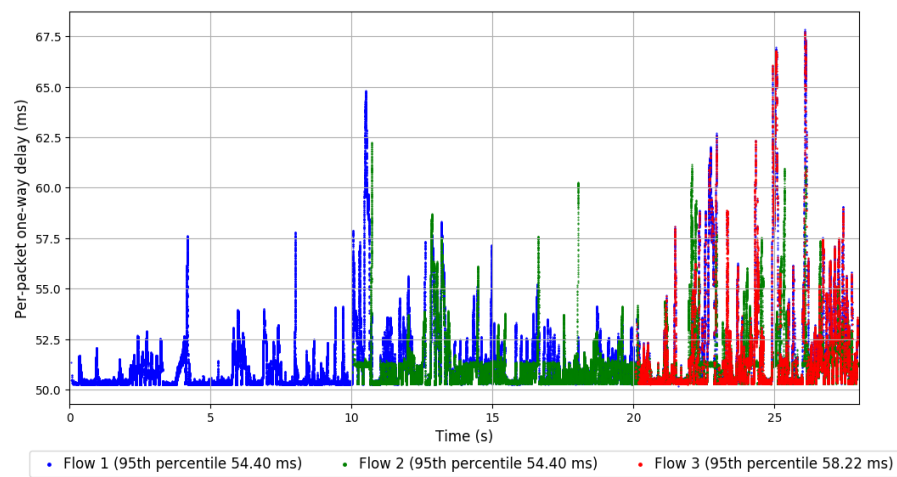
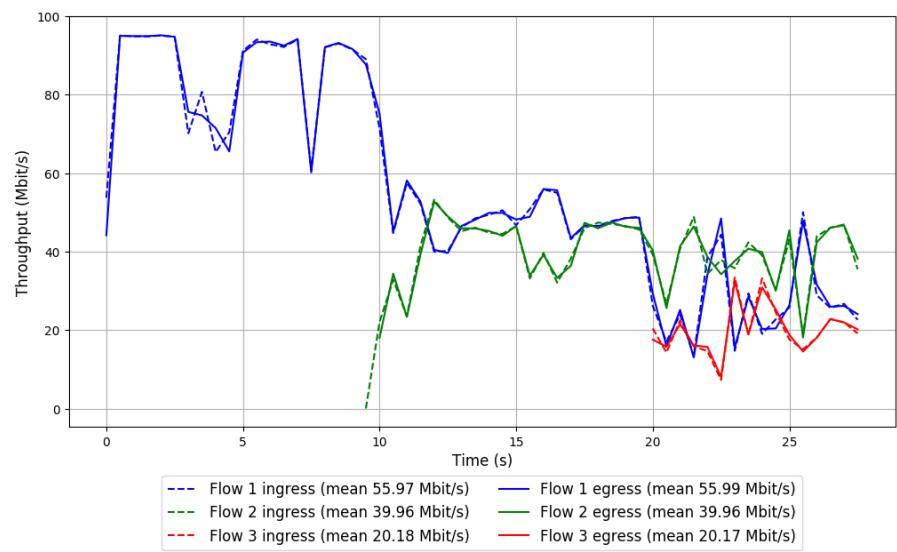


Run 8: Statistics of Copa

Start at: 2017-10-12 05:54:08  
End at: 2017-10-12 05:54:38  
Local clock offset: 1.317 ms  
Remote clock offset: -25.17 ms

# Below is generated by plot.py at 2017-10-12 09:45:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.37 Mbit/s  
95th percentile per-packet one-way delay: 54.796 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 55.99 Mbit/s  
95th percentile per-packet one-way delay: 54.397 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 39.96 Mbit/s  
95th percentile per-packet one-way delay: 54.401 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 20.17 Mbit/s  
95th percentile per-packet one-way delay: 58.221 ms  
Loss rate: 0.40%

Run 8: Report of Copa — Data Link

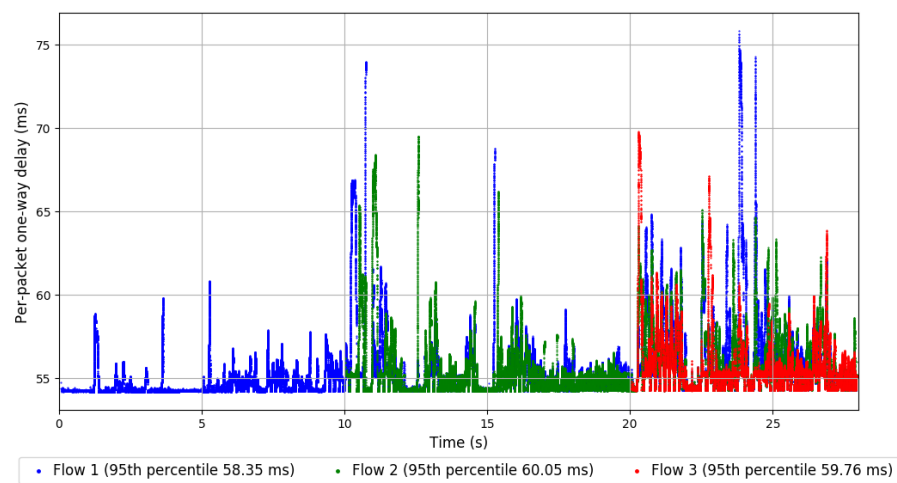
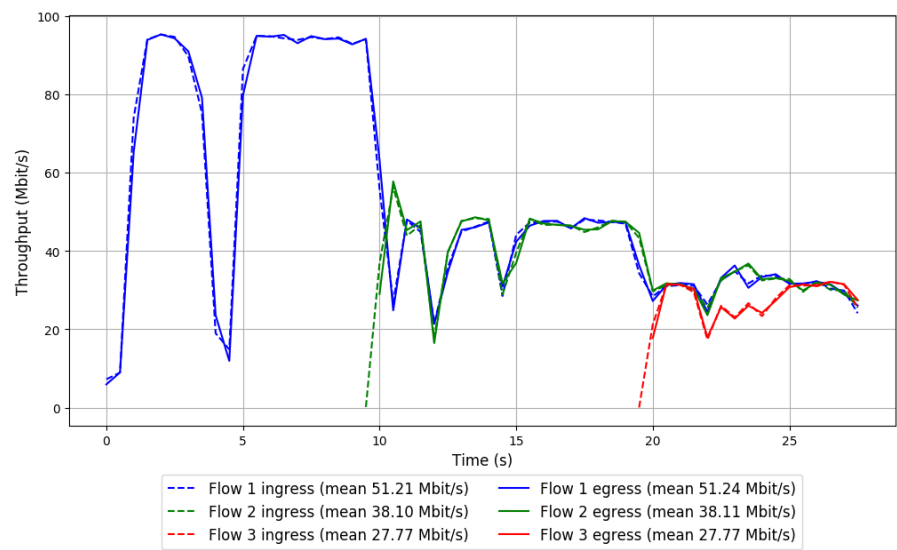


Run 9: Statistics of Copa

Start at: 2017-10-12 06:11:16  
End at: 2017-10-12 06:11:46  
Local clock offset: 5.109 ms  
Remote clock offset: -22.071 ms

# Below is generated by plot.py at 2017-10-12 09:46:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.62 Mbit/s  
95th percentile per-packet one-way delay: 59.108 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 51.24 Mbit/s  
95th percentile per-packet one-way delay: 58.354 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 38.11 Mbit/s  
95th percentile per-packet one-way delay: 60.051 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 27.77 Mbit/s  
95th percentile per-packet one-way delay: 59.758 ms  
Loss rate: 0.35%

Run 9: Report of Copa — Data Link

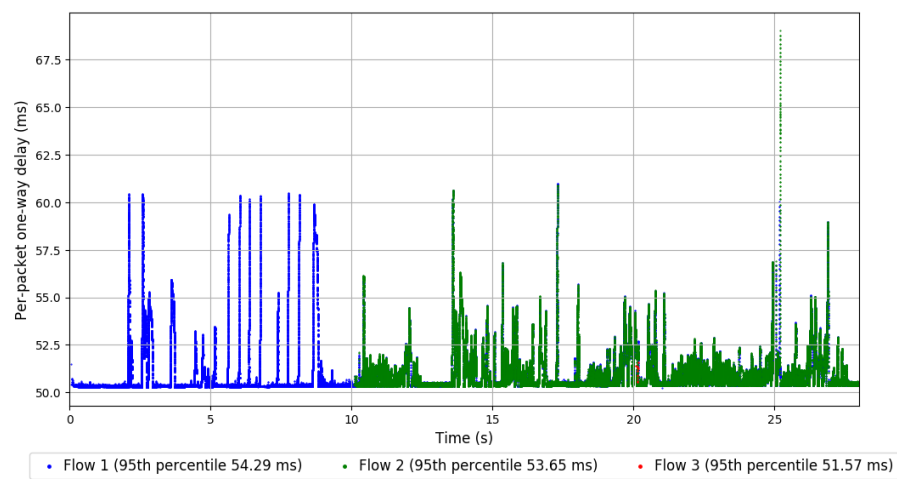
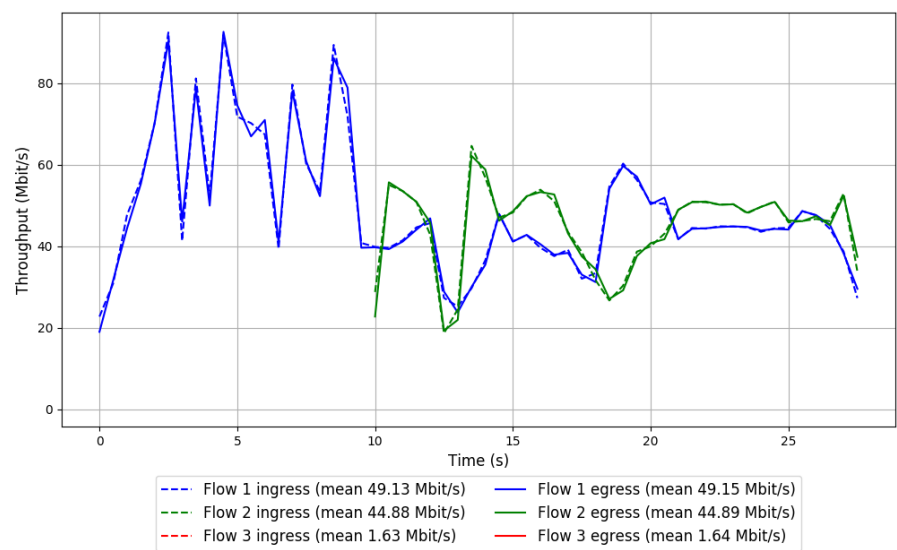


Run 10: Statistics of Copa

Start at: 2017-10-12 06:28:30  
End at: 2017-10-12 06:29:00  
Local clock offset: 1.177 ms  
Remote clock offset: -18.25 ms

# Below is generated by plot.py at 2017-10-12 09:46:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.94 Mbit/s  
95th percentile per-packet one-way delay: 54.042 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 49.15 Mbit/s  
95th percentile per-packet one-way delay: 54.287 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 44.89 Mbit/s  
95th percentile per-packet one-way delay: 53.648 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 1.64 Mbit/s  
95th percentile per-packet one-way delay: 51.570 ms  
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



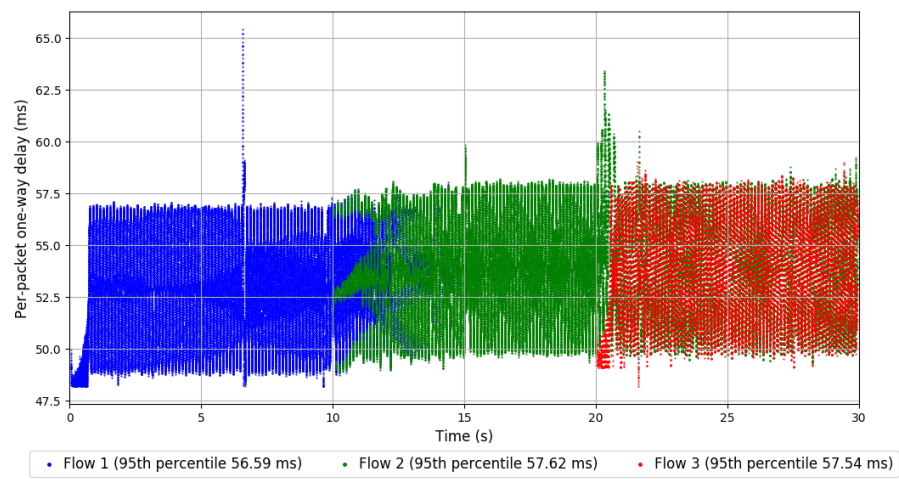
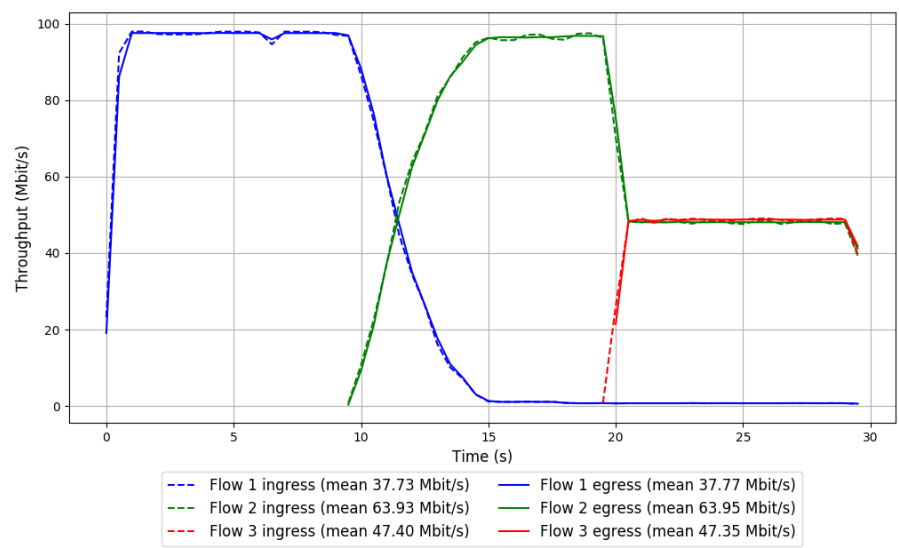
Run 1: Statistics of CalibratedKoho

Start at: 2017-10-12 03:47:15  
End at: 2017-10-12 03:47:45  
Local clock offset: 0.531 ms  
Remote clock offset: -36.898 ms

# Below is generated by plot.py at 2017-10-12 09:46:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.14 Mbit/s  
95th percentile per-packet one-way delay: 57.375 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 37.77 Mbit/s  
95th percentile per-packet one-way delay: 56.591 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 63.95 Mbit/s  
95th percentile per-packet one-way delay: 57.620 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 47.35 Mbit/s  
95th percentile per-packet one-way delay: 57.541 ms  
Loss rate: 0.37%



Run 1: Report of CalibratedKoho — Data Link

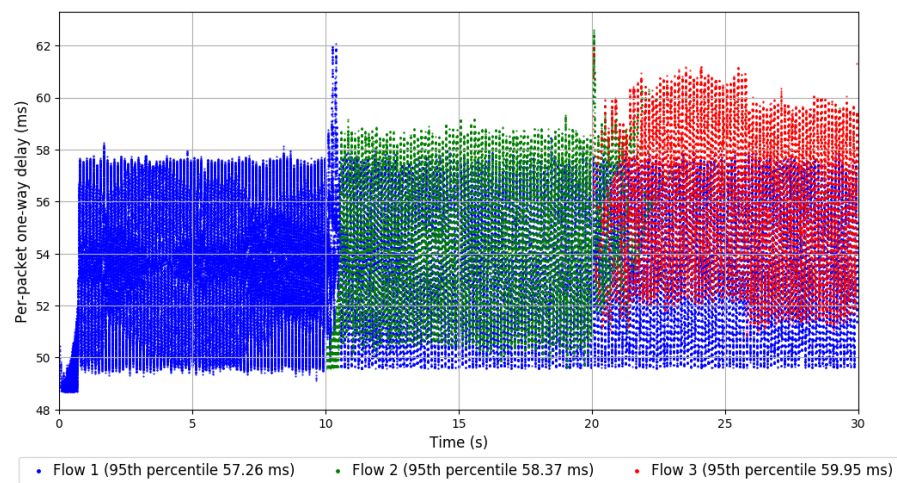
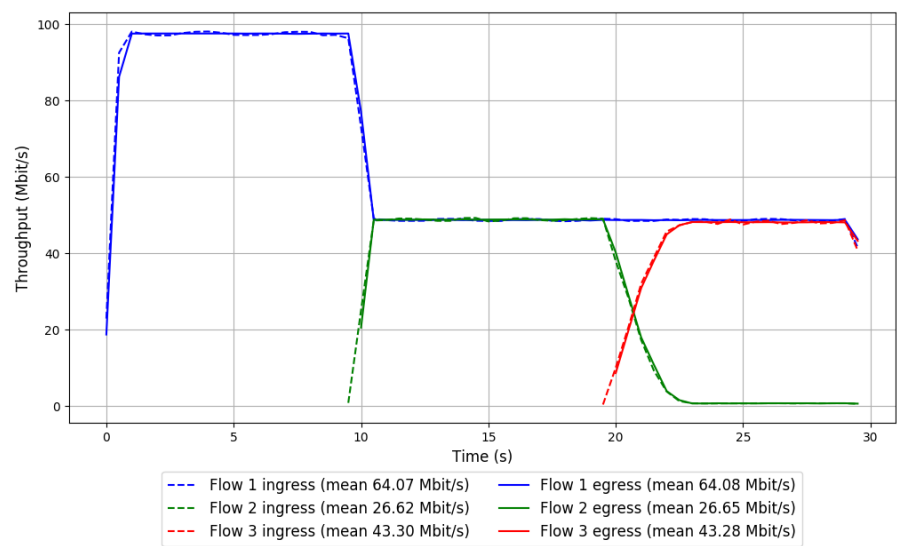


Run 2: Statistics of CalibratedKoho

Start at: 2017-10-12 04:04:12  
End at: 2017-10-12 04:04:42  
Local clock offset: 0.923 ms  
Remote clock offset: -36.192 ms

# Below is generated by plot.py at 2017-10-12 09:46:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.17 Mbit/s  
95th percentile per-packet one-way delay: 58.240 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 64.08 Mbit/s  
95th percentile per-packet one-way delay: 57.258 ms  
Loss rate: 0.08%  
-- Flow 2:  
Average throughput: 26.65 Mbit/s  
95th percentile per-packet one-way delay: 58.366 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 43.28 Mbit/s  
95th percentile per-packet one-way delay: 59.951 ms  
Loss rate: 0.36%

Run 2: Report of CalibratedKoho — Data Link

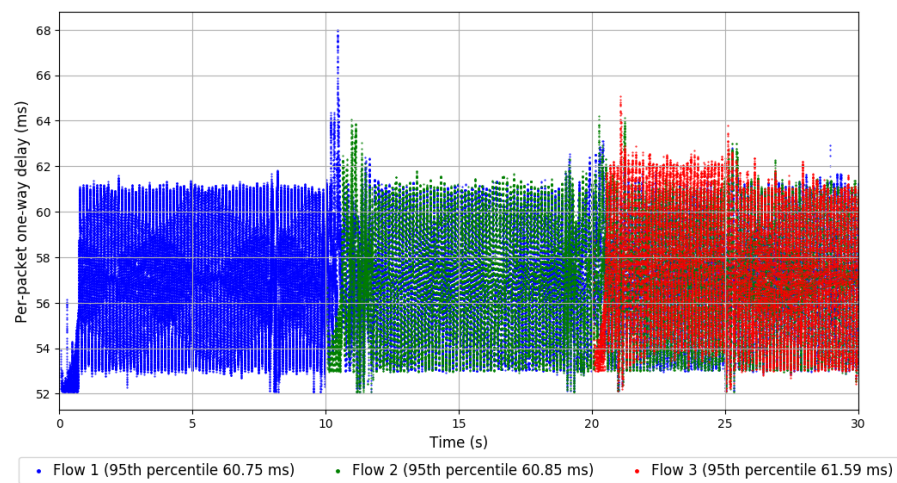
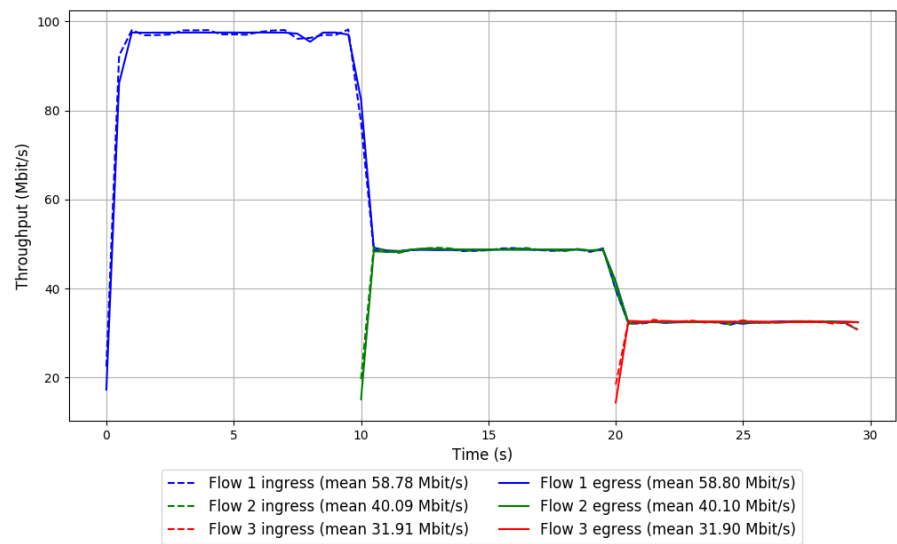


Run 3: Statistics of CalibratedKoho

Start at: 2017-10-12 04:21:02  
End at: 2017-10-12 04:21:32  
Local clock offset: 3.326 ms  
Remote clock offset: -36.262 ms

# Below is generated by plot.py at 2017-10-12 09:46:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.06 Mbit/s  
95th percentile per-packet one-way delay: 60.841 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 58.80 Mbit/s  
95th percentile per-packet one-way delay: 60.753 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.10 Mbit/s  
95th percentile per-packet one-way delay: 60.855 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.90 Mbit/s  
95th percentile per-packet one-way delay: 61.585 ms  
Loss rate: 0.31%

Run 3: Report of CalibratedKoho — Data Link

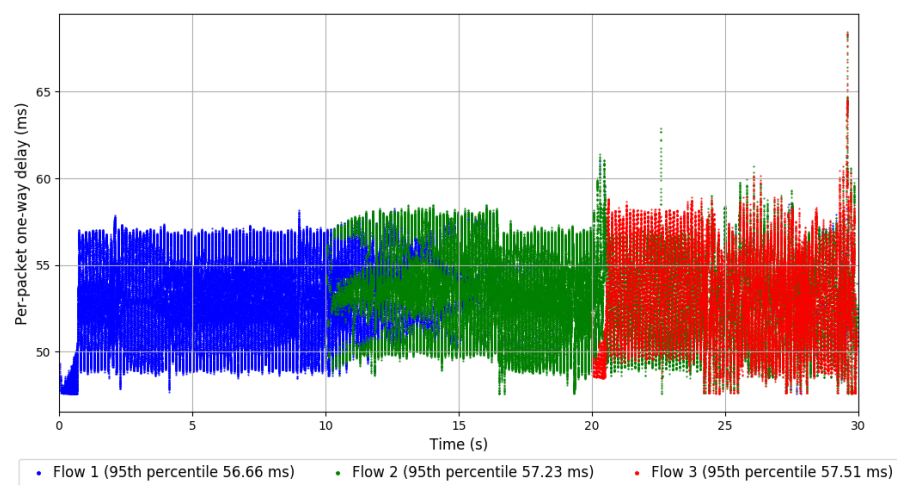
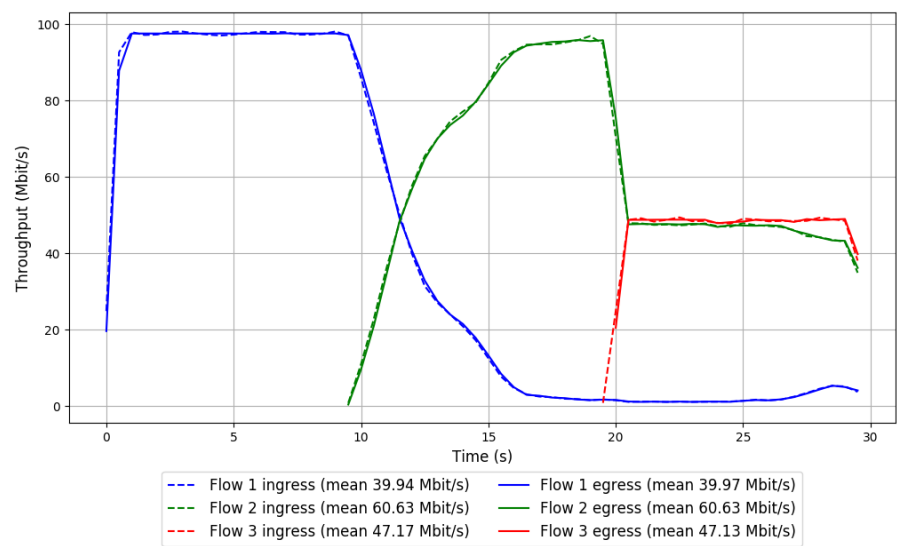


Run 4: Statistics of CalibratedKoho

Start at: 2017-10-12 04:38:27  
End at: 2017-10-12 04:38:57  
Local clock offset: 0.73 ms  
Remote clock offset: -33.71 ms

# Below is generated by plot.py at 2017-10-12 09:46:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.05 Mbit/s  
95th percentile per-packet one-way delay: 56.962 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 39.97 Mbit/s  
95th percentile per-packet one-way delay: 56.663 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 60.63 Mbit/s  
95th percentile per-packet one-way delay: 57.232 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 47.13 Mbit/s  
95th percentile per-packet one-way delay: 57.507 ms  
Loss rate: 0.36%

Run 4: Report of CalibratedKoho — Data Link



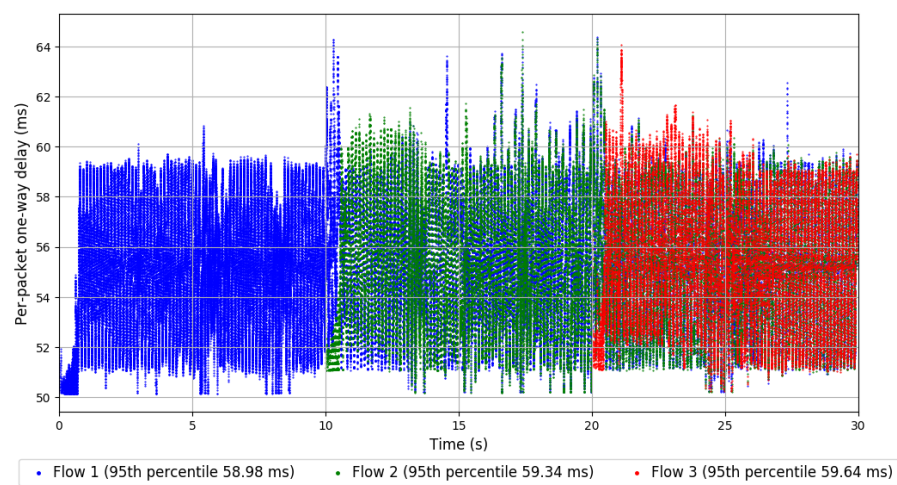
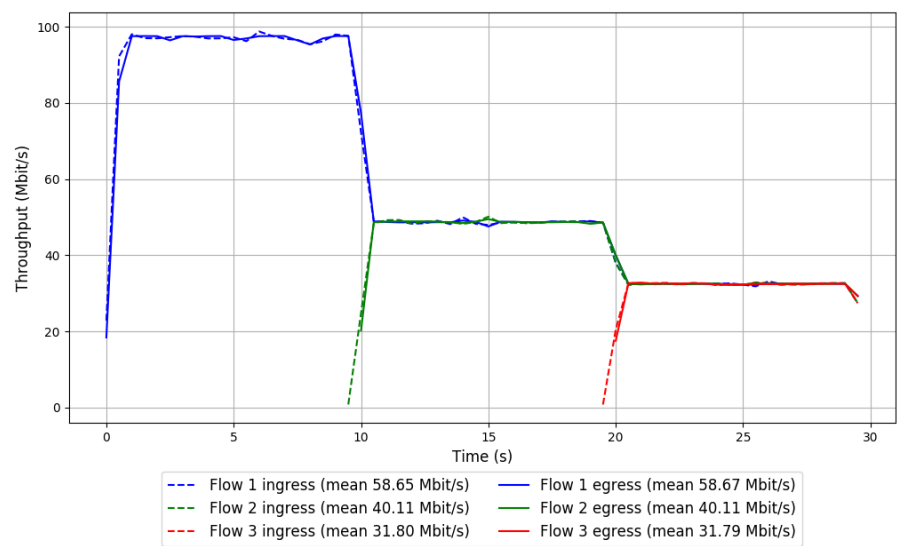
Run 5: Statistics of CalibratedKoho

Start at: 2017-10-12 04:56:44  
End at: 2017-10-12 04:57:14  
Local clock offset: 2.406 ms  
Remote clock offset: -32.322 ms

# Below is generated by plot.py at 2017-10-12 09:46:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.98 Mbit/s  
95th percentile per-packet one-way delay: 59.119 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 58.67 Mbit/s  
95th percentile per-packet one-way delay: 58.983 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 40.11 Mbit/s  
95th percentile per-packet one-way delay: 59.345 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.79 Mbit/s  
95th percentile per-packet one-way delay: 59.639 ms  
Loss rate: 0.29%



Run 5: Report of CalibratedKoho — Data Link

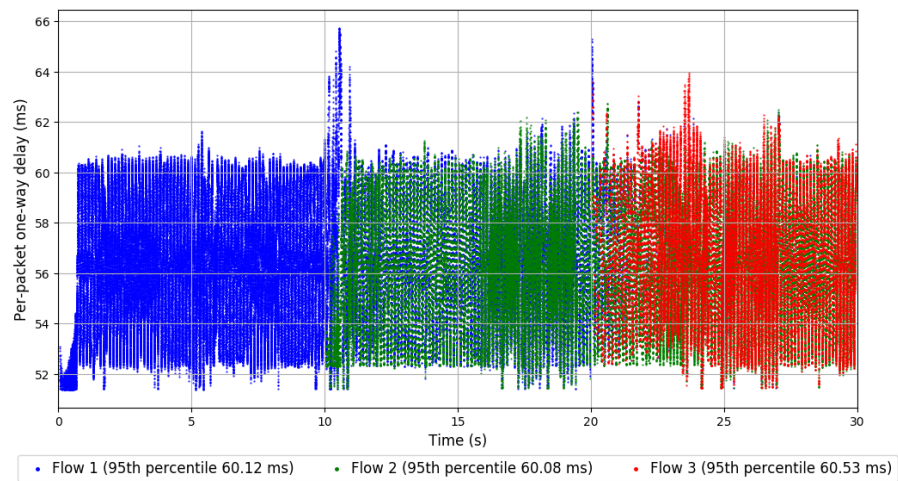
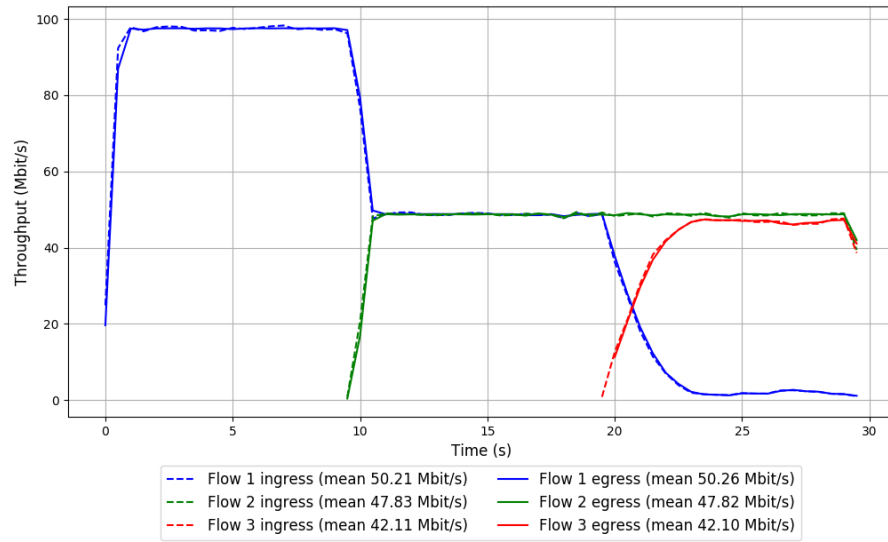


Run 6: Statistics of CalibratedKoho

Start at: 2017-10-12 05:14:29  
End at: 2017-10-12 05:14:59  
Local clock offset: 3.205 ms  
Remote clock offset: -29.706 ms

# Below is generated by plot.py at 2017-10-12 09:46:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.09 Mbit/s  
95th percentile per-packet one-way delay: 60.162 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 50.26 Mbit/s  
95th percentile per-packet one-way delay: 60.125 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 47.82 Mbit/s  
95th percentile per-packet one-way delay: 60.076 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 42.10 Mbit/s  
95th percentile per-packet one-way delay: 60.528 ms  
Loss rate: 0.36%

## Run 6: Report of CalibratedKoho — Data Link

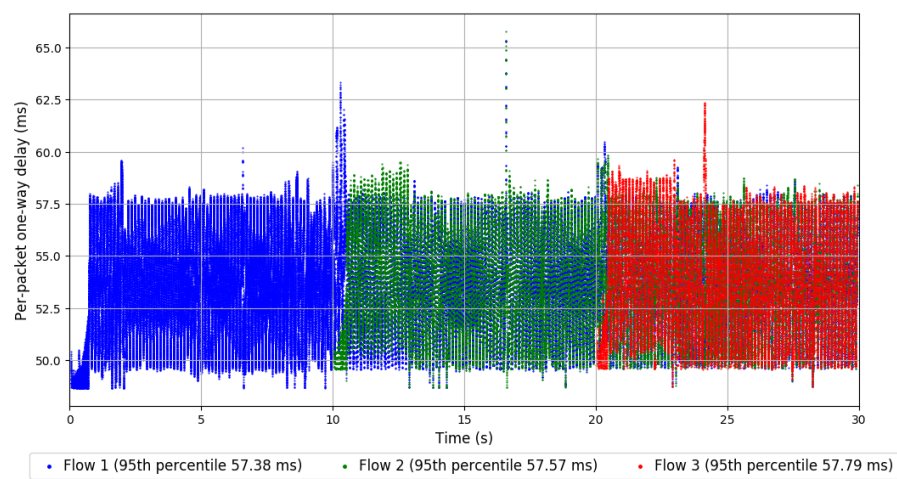
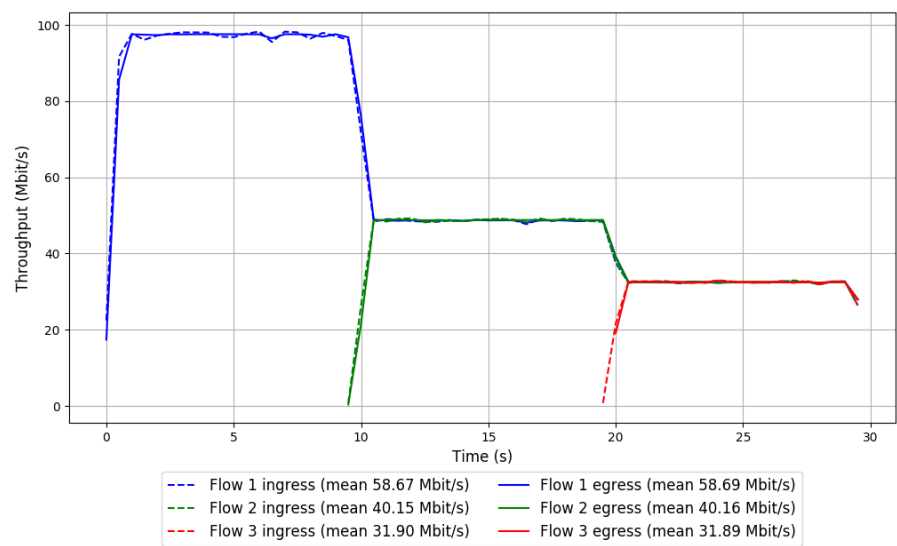


Run 7: Statistics of CalibratedKoho

Start at: 2017-10-12 05:34:16  
End at: 2017-10-12 05:34:46  
Local clock offset: 0.732 ms  
Remote clock offset: -26.468 ms

# Below is generated by plot.py at 2017-10-12 09:47:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.06 Mbit/s  
95th percentile per-packet one-way delay: 57.468 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.69 Mbit/s  
95th percentile per-packet one-way delay: 57.382 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.16 Mbit/s  
95th percentile per-packet one-way delay: 57.568 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 31.89 Mbit/s  
95th percentile per-packet one-way delay: 57.789 ms  
Loss rate: 0.32%

Run 7: Report of CalibratedKoho — Data Link

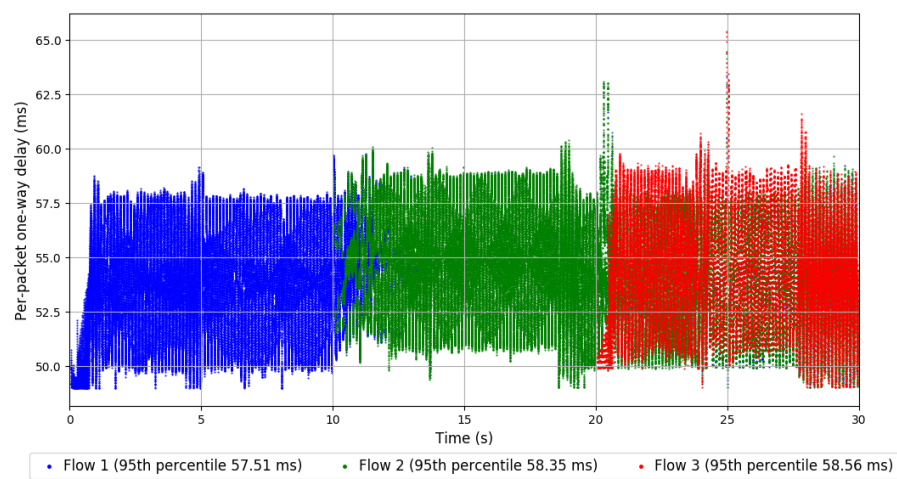
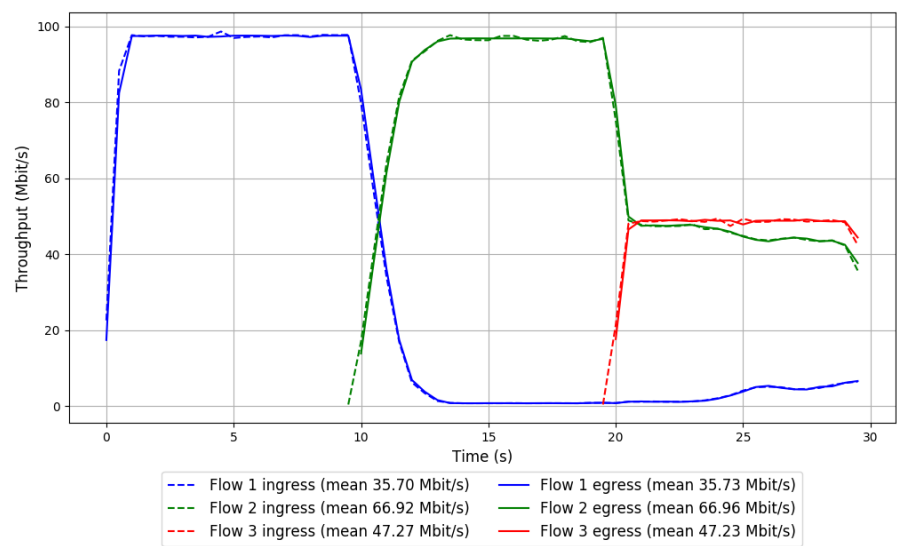


Run 8: Statistics of CalibratedKoho

Start at: 2017-10-12 05:52:36  
End at: 2017-10-12 05:53:06  
Local clock offset: 0.305 ms  
Remote clock offset: -25.069 ms

# Below is generated by plot.py at 2017-10-12 09:47:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.00 Mbit/s  
95th percentile per-packet one-way delay: 58.135 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 35.73 Mbit/s  
95th percentile per-packet one-way delay: 57.513 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 66.96 Mbit/s  
95th percentile per-packet one-way delay: 58.353 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 47.23 Mbit/s  
95th percentile per-packet one-way delay: 58.565 ms  
Loss rate: 0.34%

Run 8: Report of CalibratedKoho — Data Link



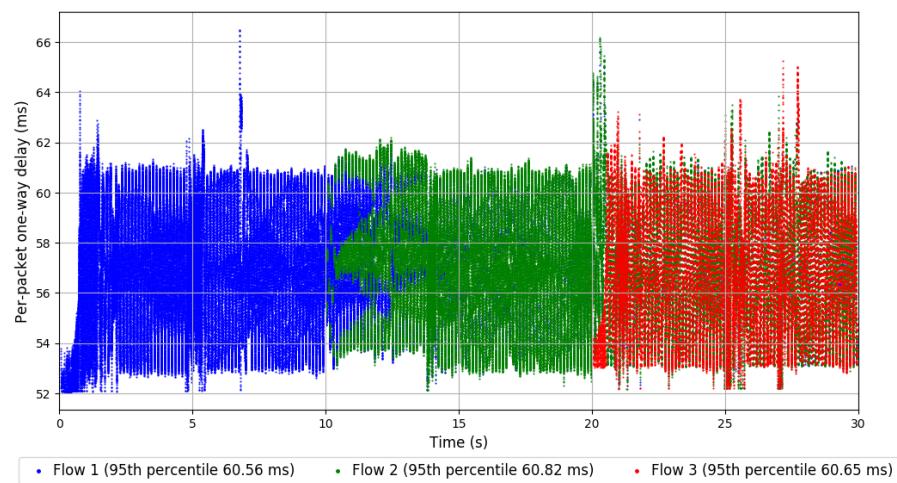
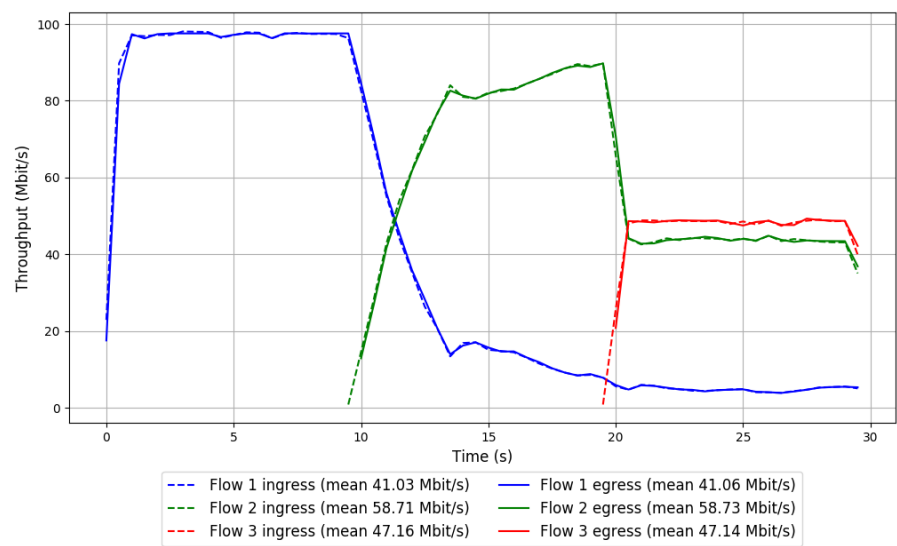
Run 9: Statistics of CalibratedKoho

Start at: 2017-10-12 06:09:58  
End at: 2017-10-12 06:10:28  
Local clock offset: 2.978 ms  
Remote clock offset: -22.44 ms

# Below is generated by plot.py at 2017-10-12 09:47:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.89 Mbit/s  
95th percentile per-packet one-way delay: 60.665 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 41.06 Mbit/s  
95th percentile per-packet one-way delay: 60.563 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 58.73 Mbit/s  
95th percentile per-packet one-way delay: 60.819 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 47.14 Mbit/s  
95th percentile per-packet one-way delay: 60.651 ms  
Loss rate: 0.32%



Run 9: Report of CalibratedKoho — Data Link

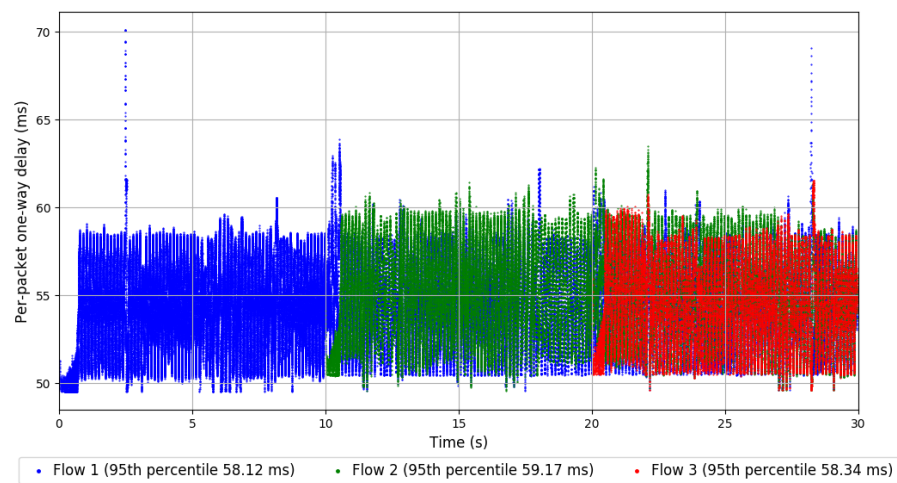
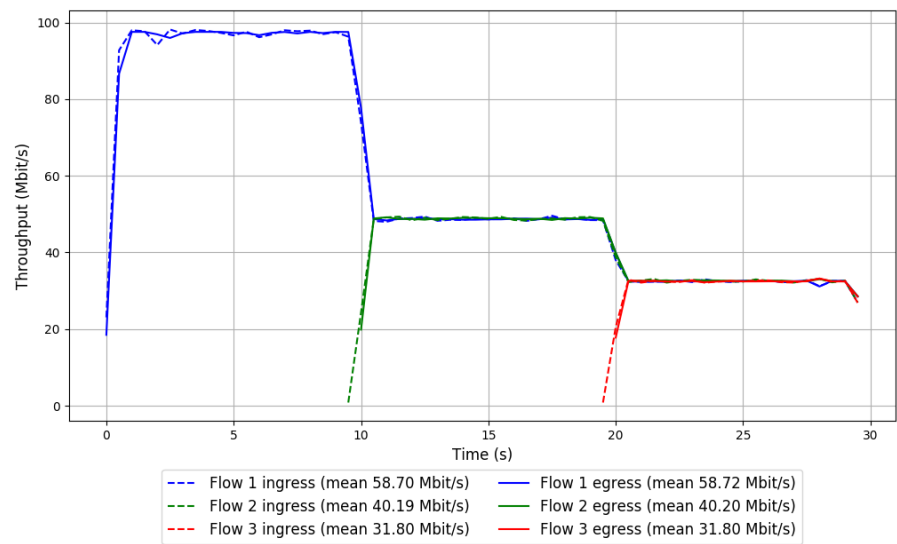


Run 10: Statistics of CalibratedKoho

Start at: 2017-10-12 06:27:12  
End at: 2017-10-12 06:27:42  
Local clock offset: 1.193 ms  
Remote clock offset: -17.717 ms

# Below is generated by plot.py at 2017-10-12 09:47:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.09 Mbit/s  
95th percentile per-packet one-way delay: 58.547 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 58.72 Mbit/s  
95th percentile per-packet one-way delay: 58.121 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 40.20 Mbit/s  
95th percentile per-packet one-way delay: 59.166 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 31.80 Mbit/s  
95th percentile per-packet one-way delay: 58.340 ms  
Loss rate: 0.29%

Run 10: Report of CalibratedKoho — Data Link

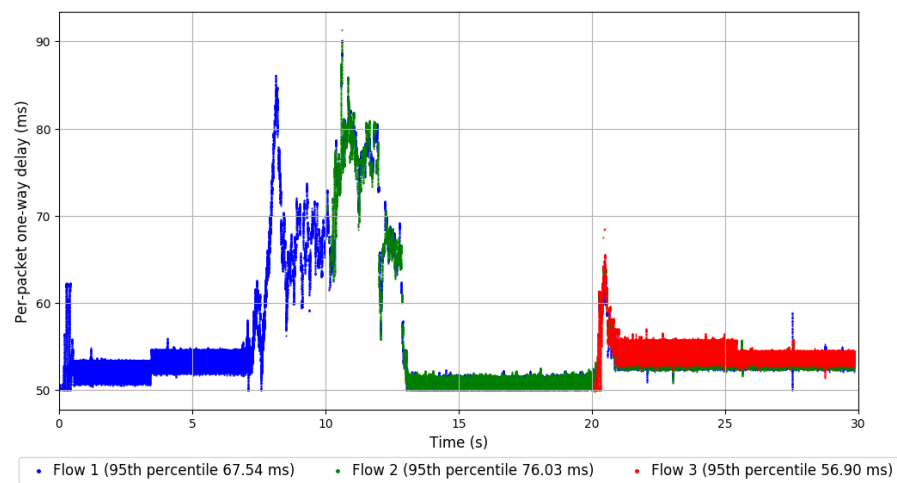
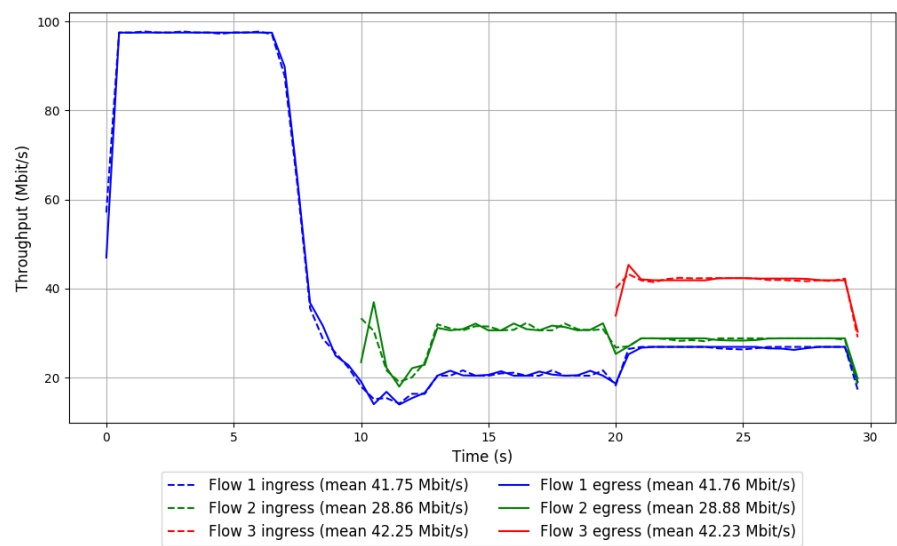


```
Run 1: Statistics of Indigo

Start at: 2017-10-12 03:44:42
End at: 2017-10-12 03:45:12
Local clock offset: 3.489 ms
Remote clock offset: -35.862 ms

# Below is generated by plot.py at 2017-10-12 09:47:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.74 Mbit/s
95th percentile per-packet one-way delay: 67.735 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 67.540 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 76.029 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 56.895 ms
Loss rate: 0.32%
```

Run 1: Report of Indigo — Data Link

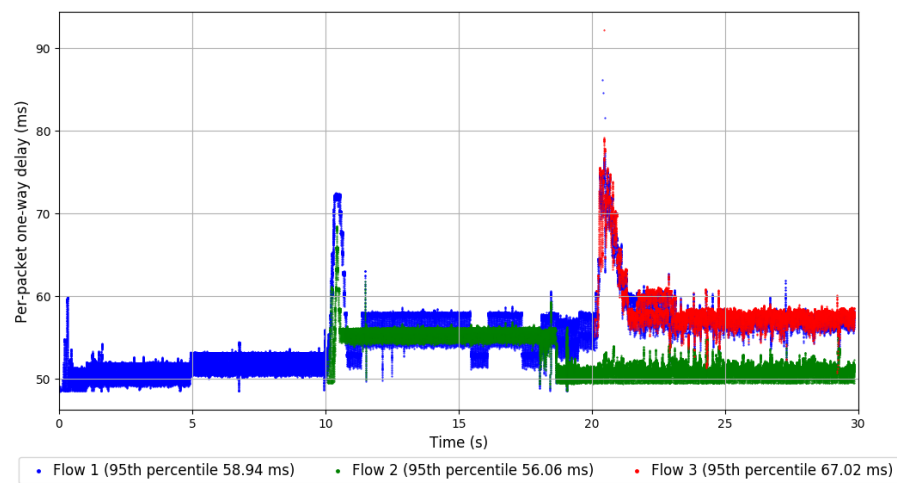
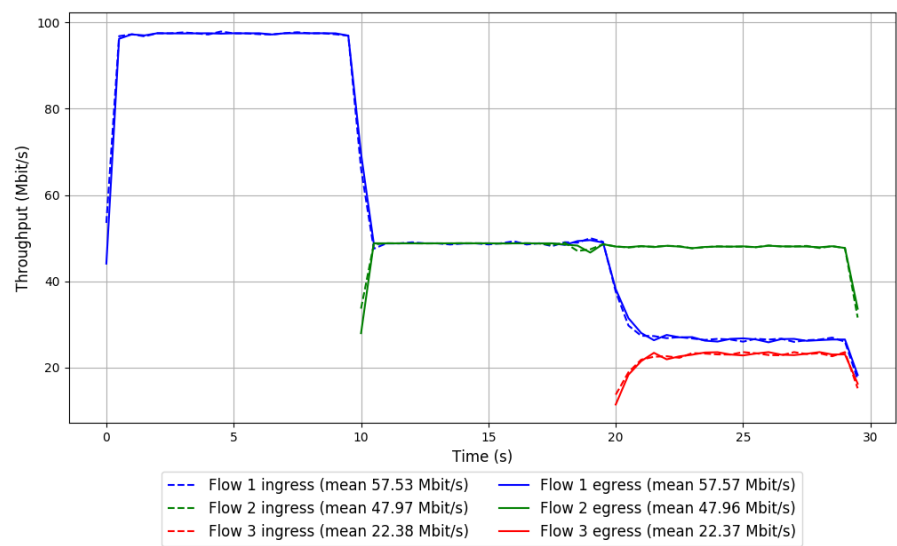


Run 2: Statistics of Indigo

Start at: 2017-10-12 04:01:41  
End at: 2017-10-12 04:02:11  
Local clock offset: 1.175 ms  
Remote clock offset: -35.977 ms

# Below is generated by plot.py at 2017-10-12 09:47:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.70 Mbit/s  
95th percentile per-packet one-way delay: 58.418 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 57.57 Mbit/s  
95th percentile per-packet one-way delay: 58.936 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 47.96 Mbit/s  
95th percentile per-packet one-way delay: 56.065 ms  
Loss rate: 0.15%  
-- Flow 3:  
Average throughput: 22.37 Mbit/s  
95th percentile per-packet one-way delay: 67.015 ms  
Loss rate: 0.38%

Run 2: Report of Indigo — Data Link



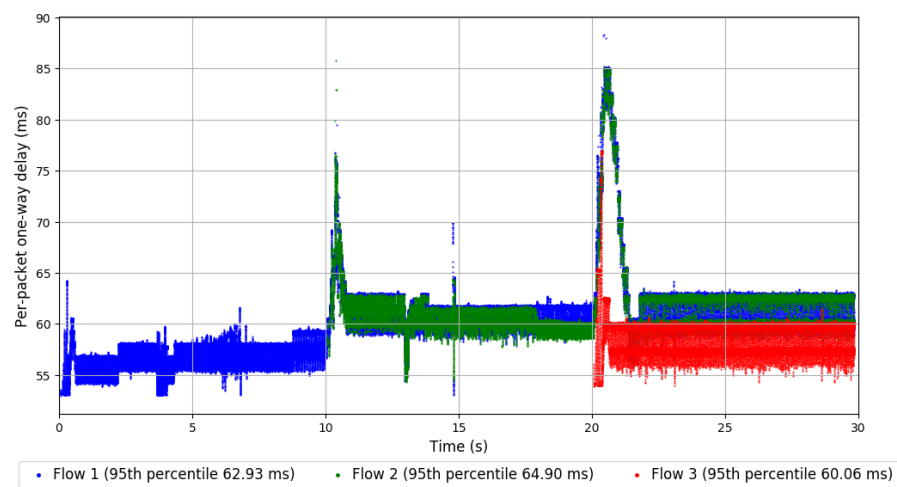
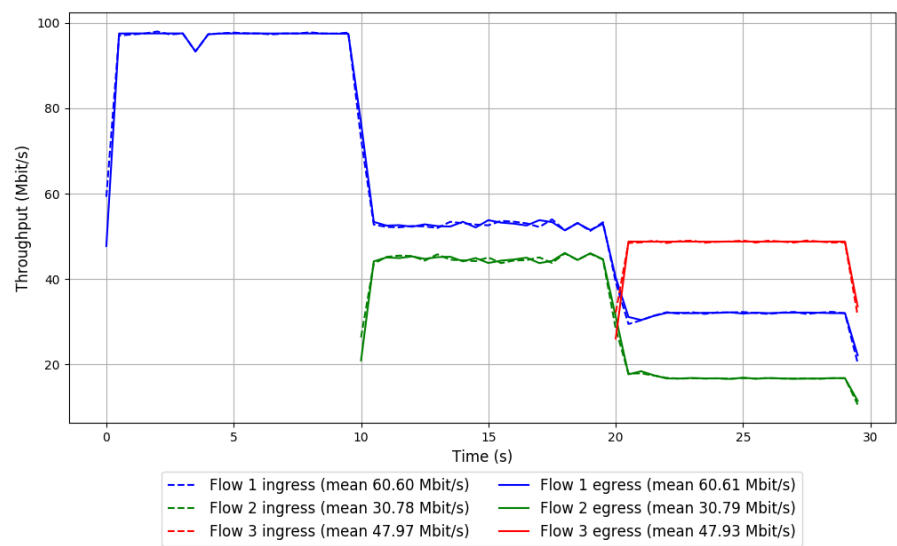
Run 3: Statistics of Indigo

Start at: 2017-10-12 04:18:31  
End at: 2017-10-12 04:19:01  
Local clock offset: 3.97 ms  
Remote clock offset: -36.705 ms

# Below is generated by plot.py at 2017-10-12 09:47:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.78 Mbit/s  
95th percentile per-packet one-way delay: 62.890 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 60.61 Mbit/s  
95th percentile per-packet one-way delay: 62.928 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 30.79 Mbit/s  
95th percentile per-packet one-way delay: 64.898 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 47.93 Mbit/s  
95th percentile per-packet one-way delay: 60.060 ms  
Loss rate: 0.35%



Run 3: Report of Indigo — Data Link

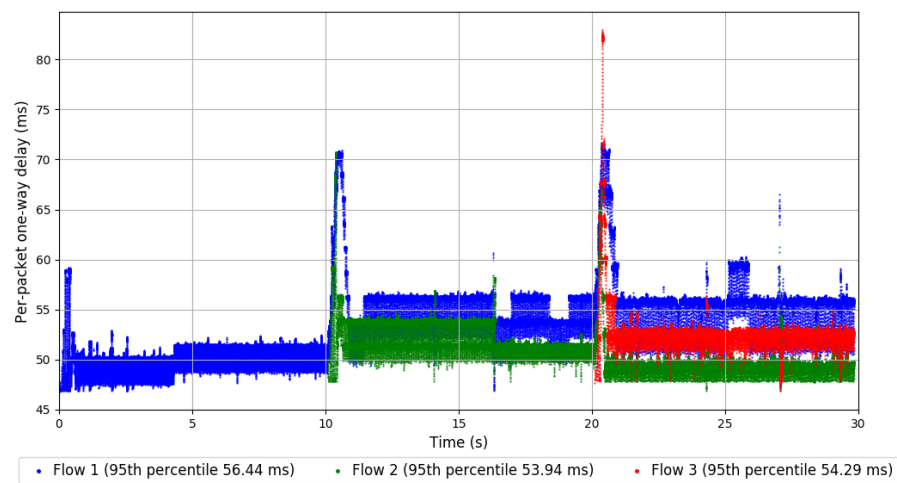
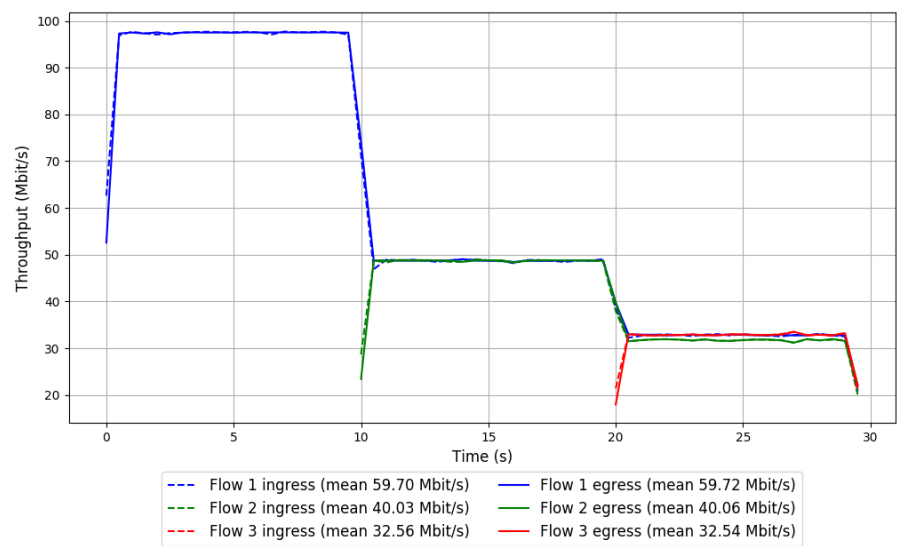


Run 4: Statistics of Indigo

Start at: 2017-10-12 04:35:44  
End at: 2017-10-12 04:36:14  
Local clock offset: 1.299 ms  
Remote clock offset: -32.497 ms

# Below is generated by plot.py at 2017-10-12 09:48:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.88 Mbit/s  
95th percentile per-packet one-way delay: 56.286 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 59.72 Mbit/s  
95th percentile per-packet one-way delay: 56.440 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.06 Mbit/s  
95th percentile per-packet one-way delay: 53.939 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 32.54 Mbit/s  
95th percentile per-packet one-way delay: 54.293 ms  
Loss rate: 0.34%

Run 4: Report of Indigo — Data Link

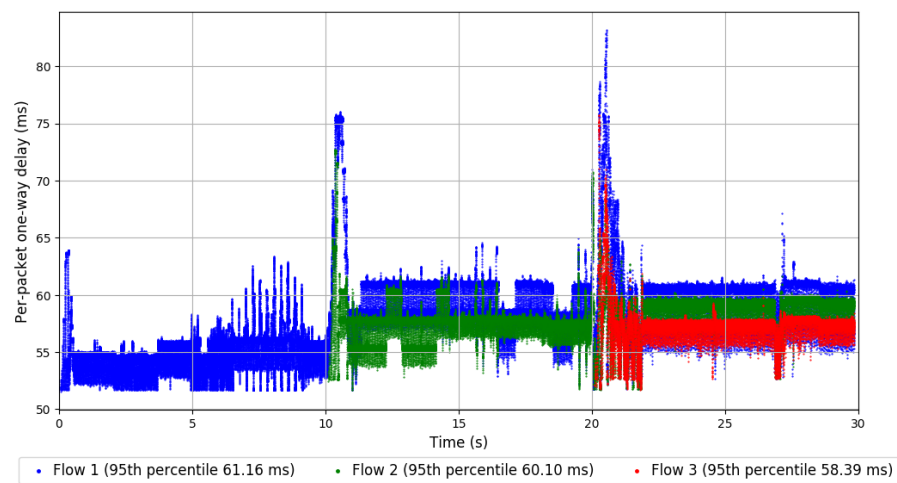
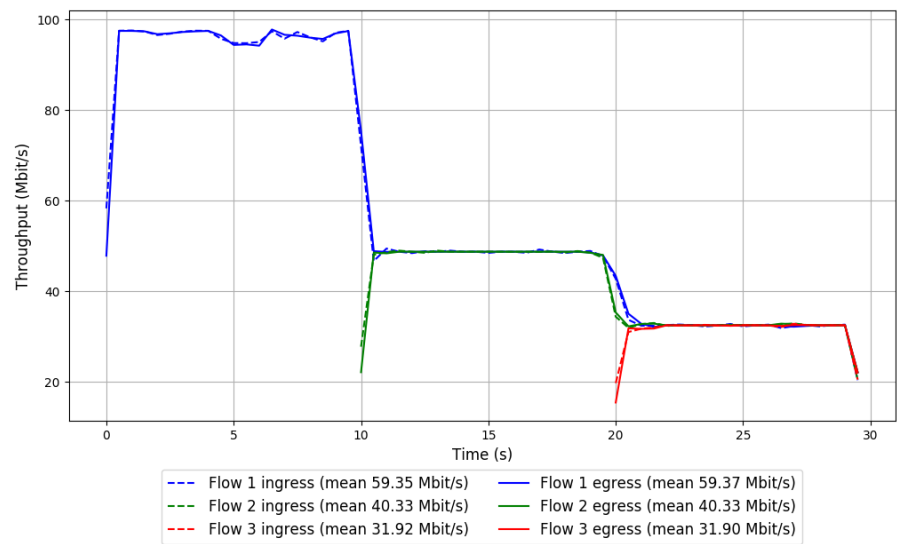


Run 5: Statistics of Indigo

Start at: 2017-10-12 04:53:54  
End at: 2017-10-12 04:54:24  
Local clock offset: 3.295 ms  
Remote clock offset: -33.541 ms

# Below is generated by plot.py at 2017-10-12 09:48:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.49 Mbit/s  
95th percentile per-packet one-way delay: 61.074 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 59.37 Mbit/s  
95th percentile per-packet one-way delay: 61.164 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 40.33 Mbit/s  
95th percentile per-packet one-way delay: 60.097 ms  
Loss rate: 0.14%  
-- Flow 3:  
Average throughput: 31.90 Mbit/s  
95th percentile per-packet one-way delay: 58.390 ms  
Loss rate: 0.34%

Run 5: Report of Indigo — Data Link

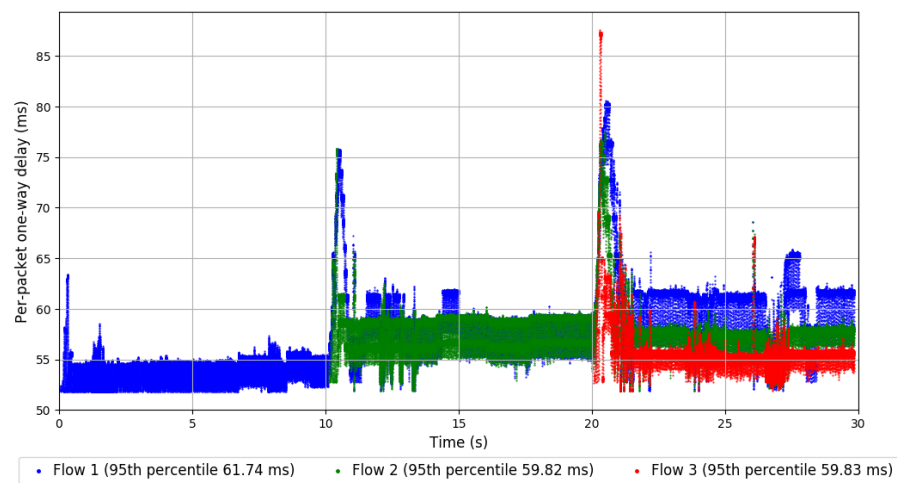
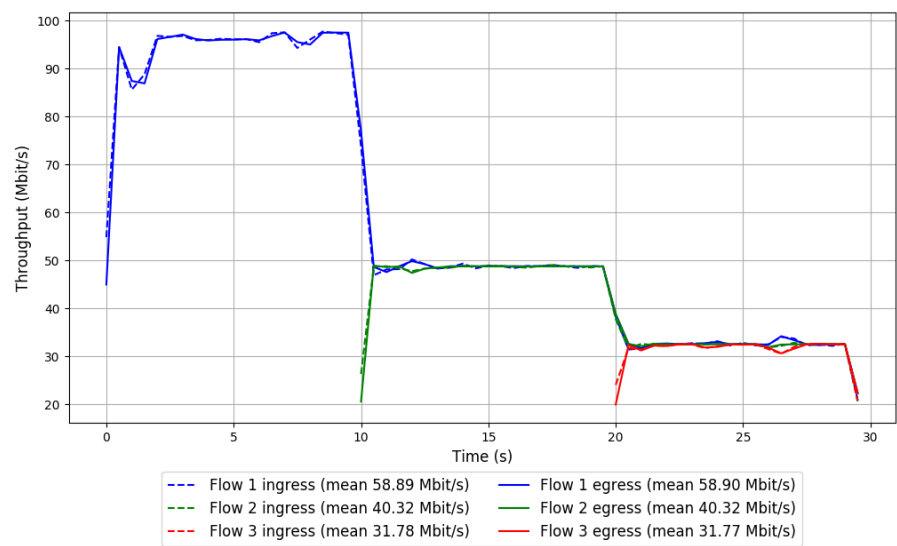


Run 6: Statistics of Indigo

Start at: 2017-10-12 05:11:56  
End at: 2017-10-12 05:12:26  
Local clock offset: 2.783 ms  
Remote clock offset: -30.932 ms

# Below is generated by plot.py at 2017-10-12 09:48:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.01 Mbit/s  
95th percentile per-packet one-way delay: 61.645 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.90 Mbit/s  
95th percentile per-packet one-way delay: 61.739 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 40.32 Mbit/s  
95th percentile per-packet one-way delay: 59.816 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 31.77 Mbit/s  
95th percentile per-packet one-way delay: 59.834 ms  
Loss rate: 0.33%

Run 6: Report of Indigo — Data Link



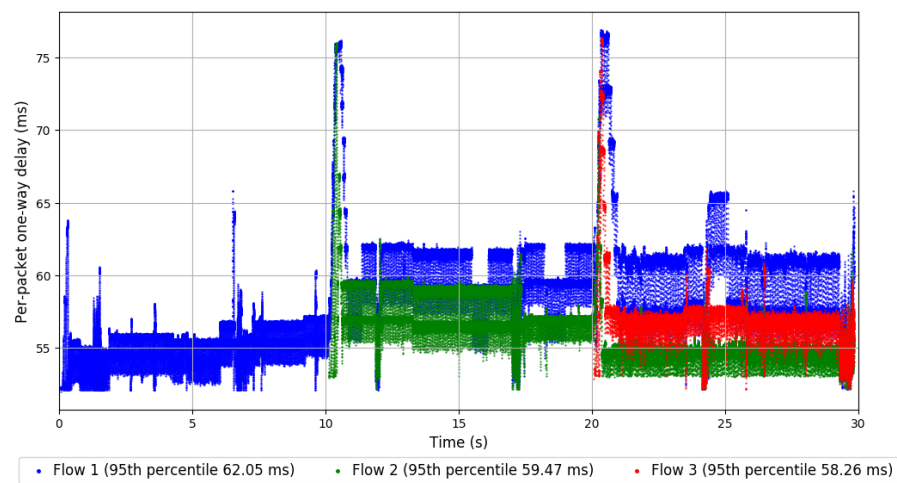
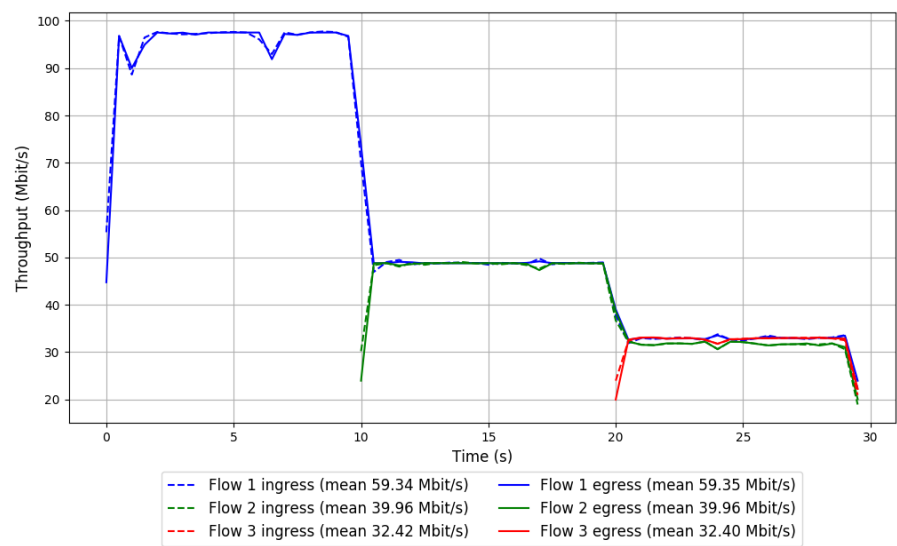
Run 7: Statistics of Indigo

Start at: 2017-10-12 05:30:20  
End at: 2017-10-12 05:30:50  
Local clock offset: 3.174 ms  
Remote clock offset: -28.004 ms

# Below is generated by plot.py at 2017-10-12 09:48:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.43 Mbit/s  
95th percentile per-packet one-way delay: 61.918 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 59.35 Mbit/s  
95th percentile per-packet one-way delay: 62.054 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 39.96 Mbit/s  
95th percentile per-packet one-way delay: 59.468 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 32.40 Mbit/s  
95th percentile per-packet one-way delay: 58.257 ms  
Loss rate: 0.33%



Run 7: Report of Indigo — Data Link

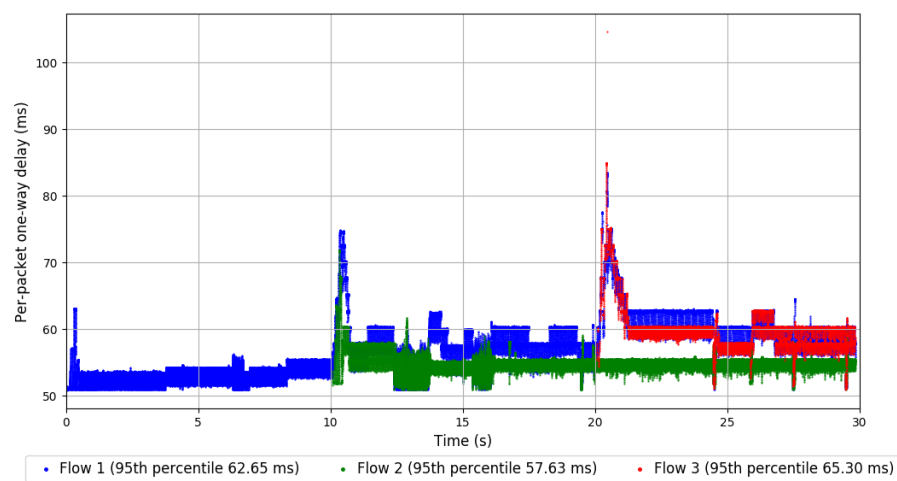
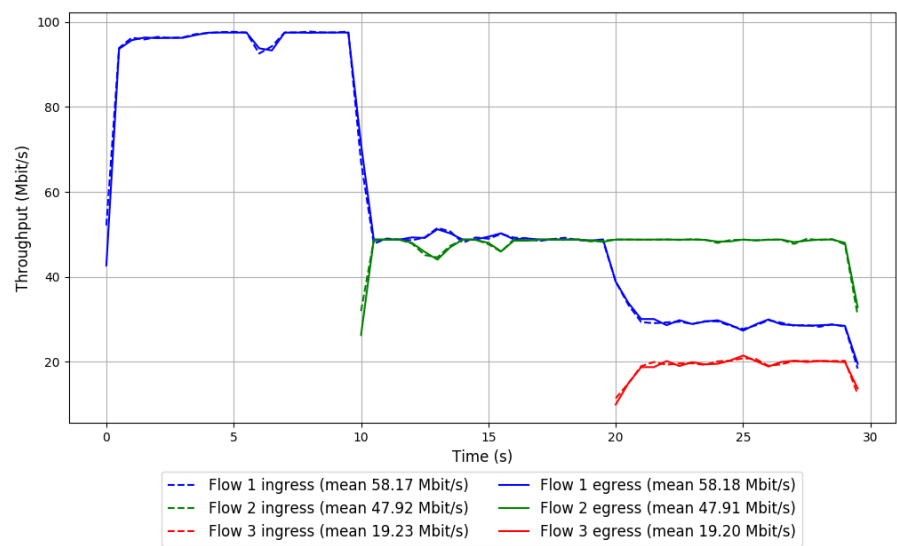


Run 8: Statistics of Indigo

Start at: 2017-10-12 05:49:49  
End at: 2017-10-12 05:50:19  
Local clock offset: 1.142 ms  
Remote clock offset: -26.384 ms

# Below is generated by plot.py at 2017-10-12 09:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.27 Mbit/s  
95th percentile per-packet one-way delay: 62.062 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.18 Mbit/s  
95th percentile per-packet one-way delay: 62.647 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 47.91 Mbit/s  
95th percentile per-packet one-way delay: 57.634 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 19.20 Mbit/s  
95th percentile per-packet one-way delay: 65.298 ms  
Loss rate: 0.36%

Run 8: Report of Indigo — Data Link

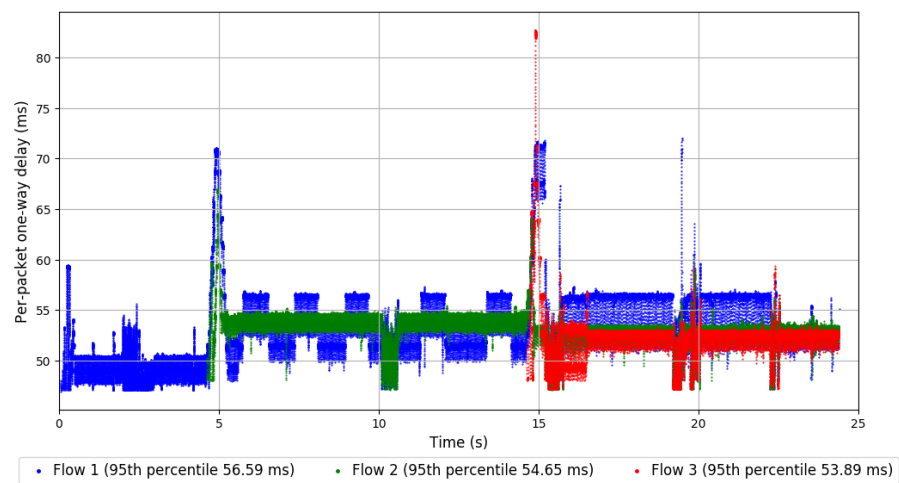
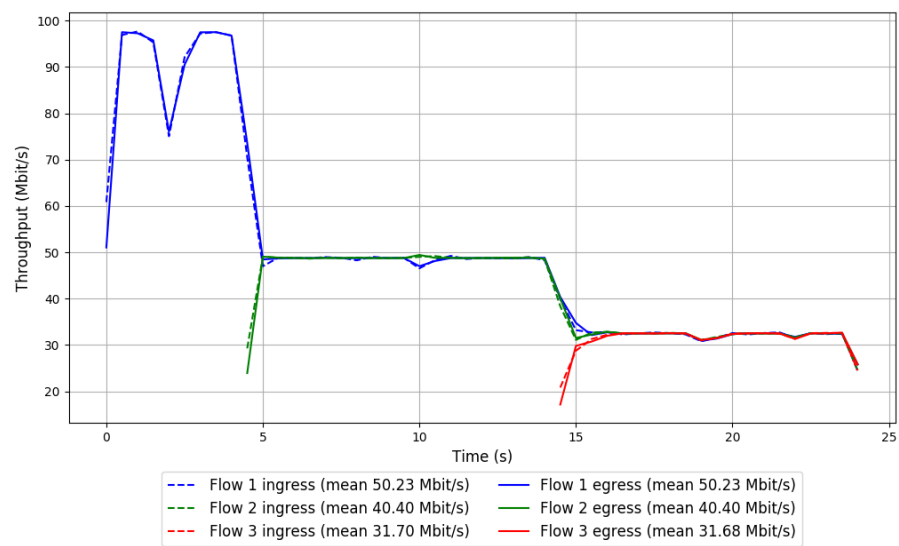


Run 9: Statistics of Indigo

Start at: 2017-10-12 06:07:27  
End at: 2017-10-12 06:07:57  
Local clock offset: -3.361 ms  
Remote clock offset: -24.27 ms

# Below is generated by plot.py at 2017-10-12 09:48:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.76 Mbit/s  
95th percentile per-packet one-way delay: 56.501 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 50.23 Mbit/s  
95th percentile per-packet one-way delay: 56.586 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 40.40 Mbit/s  
95th percentile per-packet one-way delay: 54.653 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 31.68 Mbit/s  
95th percentile per-packet one-way delay: 53.892 ms  
Loss rate: 0.34%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-10-12 06:24:44  
End at: 2017-10-12 06:25:14  
Local clock offset: 1.783 ms  
Remote clock offset: -18.891 ms

# Below is generated by plot.py at 2017-10-12 09:48:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 96.89 Mbit/s  
95th percentile per-packet one-way delay: 61.338 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 58.08 Mbit/s  
95th percentile per-packet one-way delay: 62.614 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 48.20 Mbit/s  
95th percentile per-packet one-way delay: 57.819 ms  
Loss rate: 0.17%  
-- Flow 3:  
Average throughput: 20.86 Mbit/s  
95th percentile per-packet one-way delay: 65.536 ms  
Loss rate: 0.34%

Run 10: Report of Indigo — Data Link

