

Pantheon Report

Generated at 2017-12-06 00:54:55 (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).

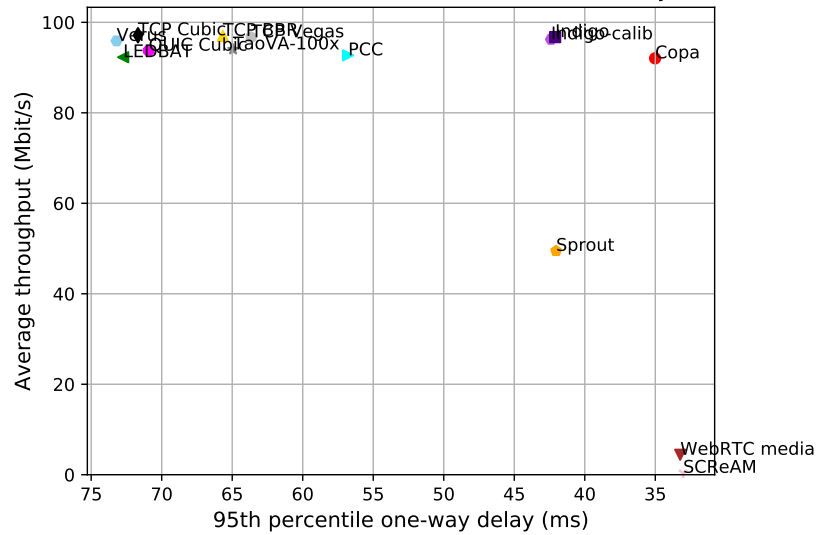
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

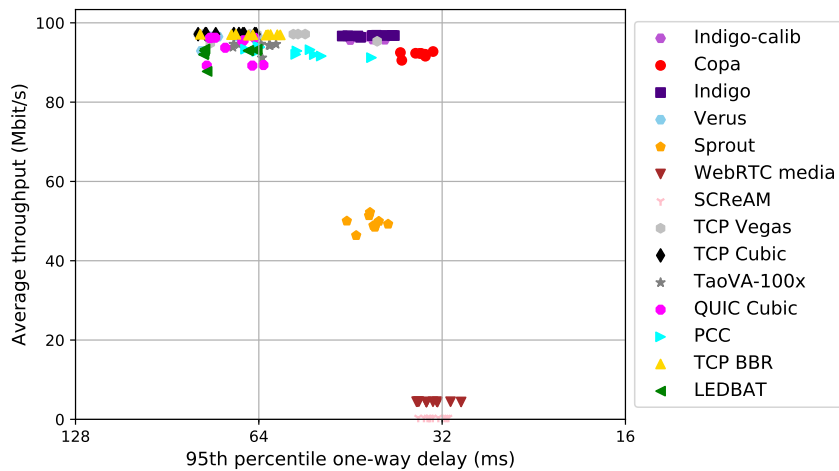
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
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



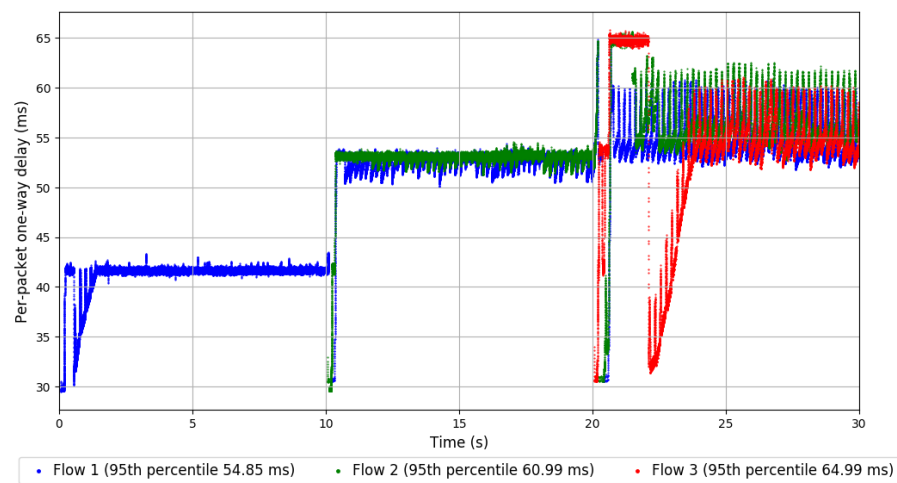
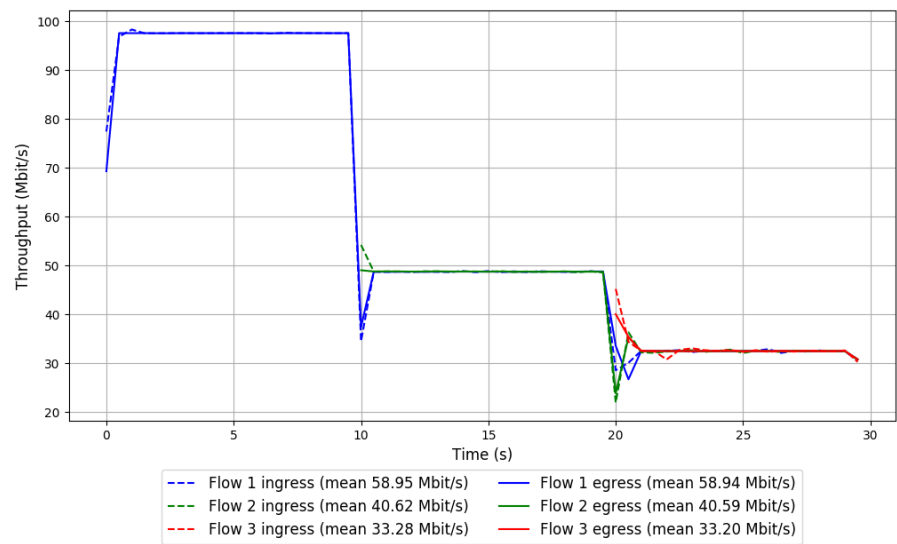
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.09	39.50	34.98	62.38	65.71	67.90	0.10	0.20	0.50
TCP Cubic	10	59.46	42.81	33.65	71.41	67.22	67.45	0.14	0.24	0.98
LEDBAT	9	57.00	38.10	29.94	67.66	70.33	68.30	0.19	0.33	0.84
PCC	10	65.02	31.78	19.89	56.64	51.01	49.91	0.07	0.17	0.34
QUIC Cubic	10	56.71	41.01	29.74	66.57	66.72	68.96	0.11	0.23	0.65
SCReAM	10	0.21	0.21	0.22	33.03	33.03	33.02	0.11	0.10	0.11
WebRTC media	10	2.36	1.45	0.63	33.19	33.19	33.49	0.12	0.16	0.46
Sprout	9	24.31	24.22	23.75	41.19	42.58	42.17	0.11	0.15	0.26
TaoVA-100x	8	59.00	40.34	31.69	62.54	63.23	63.46	0.10	0.24	0.70
TCP Vegas	9	58.78	41.11	31.76	62.33	54.42	55.86	0.09	0.13	0.40
Verus	8	58.20	39.67	34.21	72.86	67.96	65.27	0.11	0.25	0.54
Copa	9	58.45	39.26	29.64	34.60	35.59	36.11	0.05	0.11	0.29
Indigo	10	60.16	38.94	32.86	42.29	40.48	42.04	0.06	0.12	0.33
Indigo-calib	10	58.66	40.47	32.91	41.81	43.40	45.91	0.05	0.13	0.33

Run 1: Statistics of TCP BBR

Start at: 2017-12-05 19:00:25
End at: 2017-12-05 19:00:55
Local clock offset: 5.58 ms
Remote clock offset: -14.916 ms

Below is generated by plot.py at 2017-12-06 00:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 59.010 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 54.849 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 60.990 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.20 Mbit/s
95th percentile per-packet one-way delay: 64.994 ms
Loss rate: 0.48%

Run 1: Report of TCP BBR — Data Link

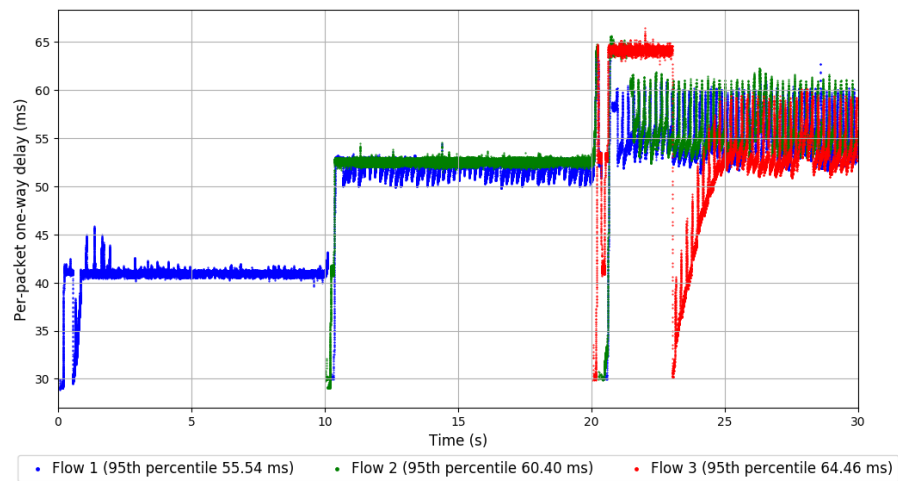
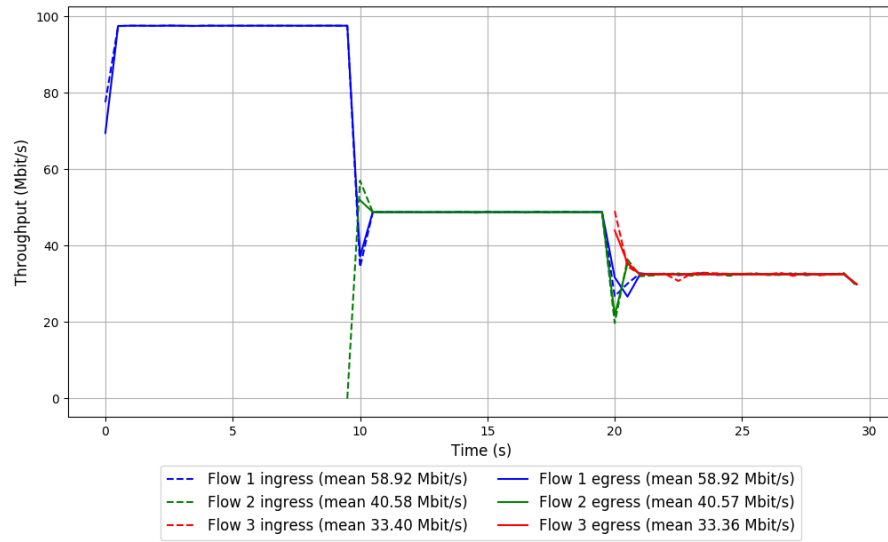


Run 2: Statistics of TCP BBR

Start at: 2017-12-05 19:17:48
End at: 2017-12-05 19:18:18
Local clock offset: 4.485 ms
Remote clock offset: -14.333 ms

Below is generated by plot.py at 2017-12-06 00:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 59.670 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 55.541 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 60.399 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 64.458 ms
Loss rate: 0.49%

Run 2: Report of TCP BBR — Data Link

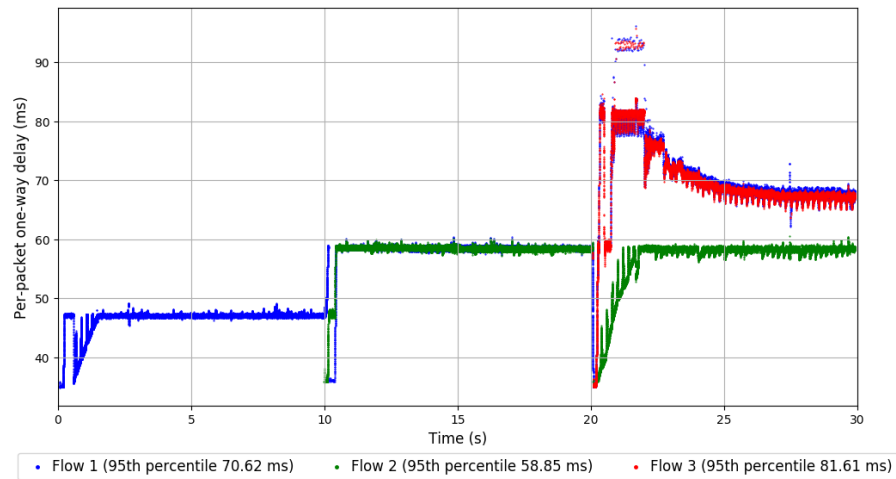
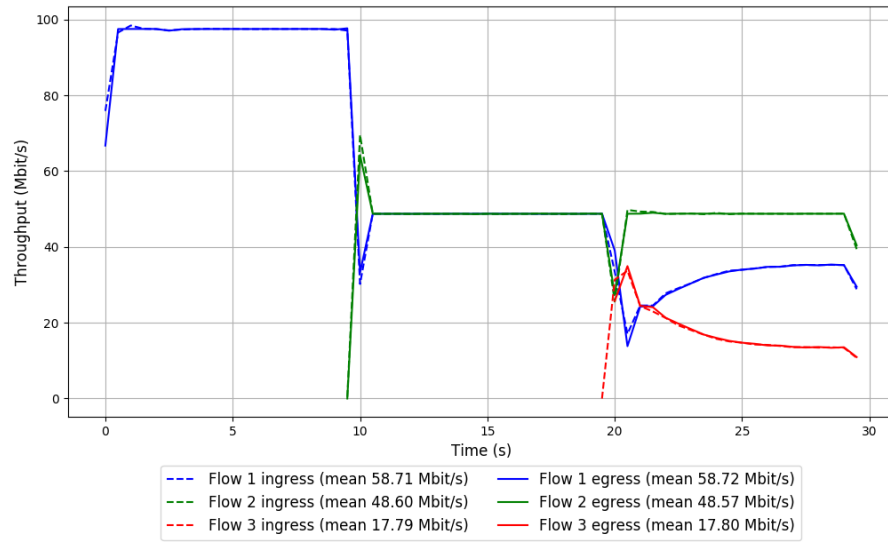


Run 3: Statistics of TCP BBR

Start at: 2017-12-05 19:35:14
End at: 2017-12-05 19:35:44
Local clock offset: 9.443 ms
Remote clock offset: -15.022 ms

Below is generated by plot.py at 2017-12-06 00:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 70.964 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 70.623 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.57 Mbit/s
95th percentile per-packet one-way delay: 58.850 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 17.80 Mbit/s
95th percentile per-packet one-way delay: 81.613 ms
Loss rate: 0.43%

Run 3: Report of TCP BBR — Data Link

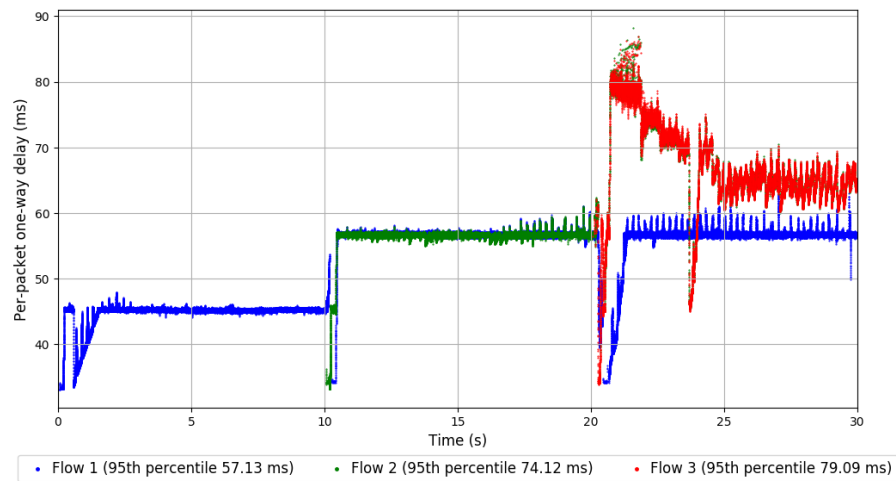
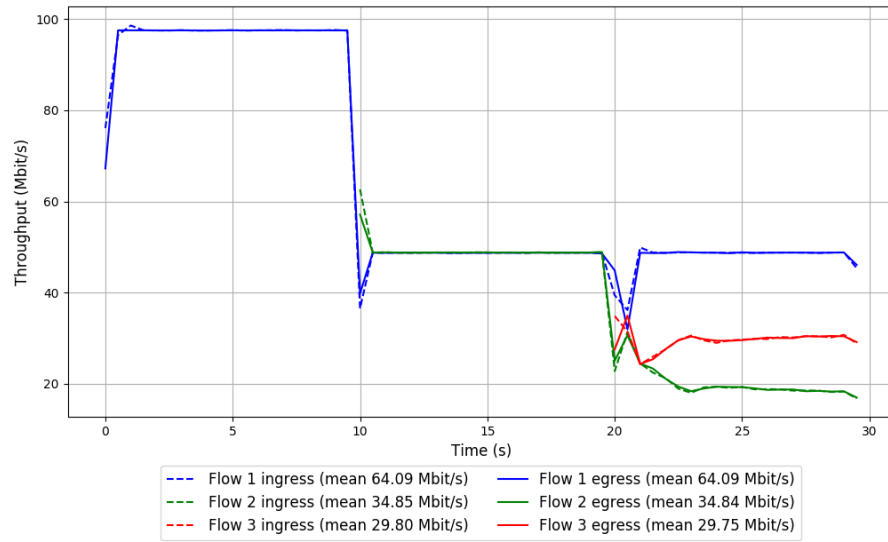


Run 4: Statistics of TCP BBR

Start at: 2017-12-05 19:52:26
End at: 2017-12-05 19:52:56
Local clock offset: 7.554 ms
Remote clock offset: -14.501 ms

Below is generated by plot.py at 2017-12-06 00:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 69.805 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 64.09 Mbit/s
95th percentile per-packet one-way delay: 57.129 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 74.118 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 79.091 ms
Loss rate: 0.62%

Run 4: Report of TCP BBR — Data Link

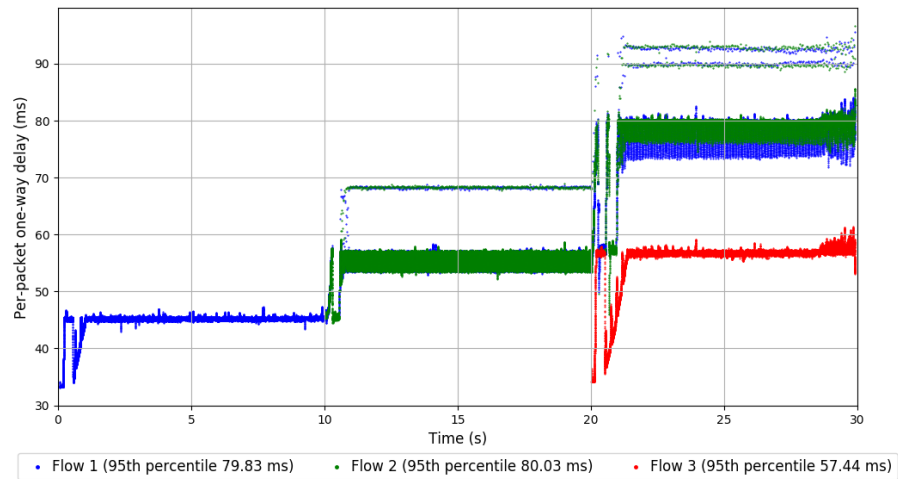
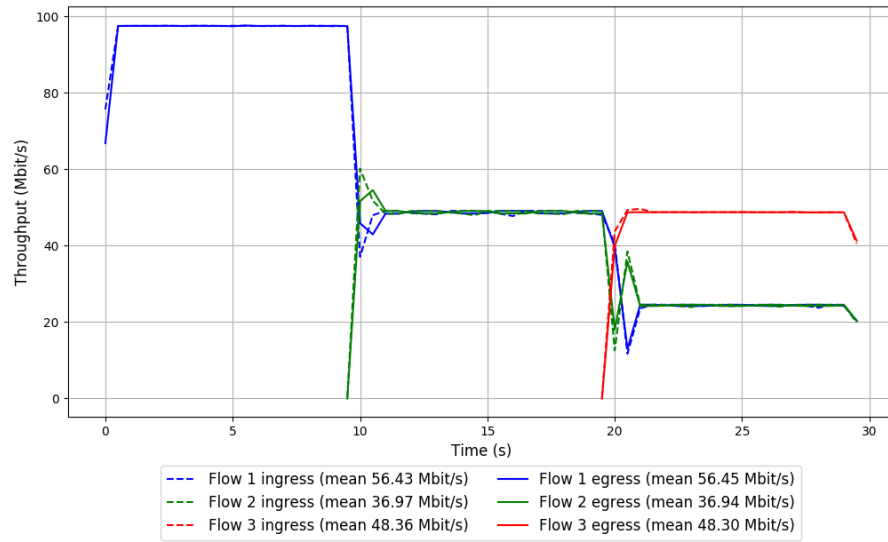


Run 5: Statistics of TCP BBR

Start at: 2017-12-05 20:09:36
End at: 2017-12-05 20:10:06
Local clock offset: 7.466 ms
Remote clock offset: -13.692 ms

Below is generated by plot.py at 2017-12-06 00:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 79.880 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 79.825 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.94 Mbit/s
95th percentile per-packet one-way delay: 80.034 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 48.30 Mbit/s
95th percentile per-packet one-way delay: 57.436 ms
Loss rate: 0.50%

Run 5: Report of TCP BBR — Data Link

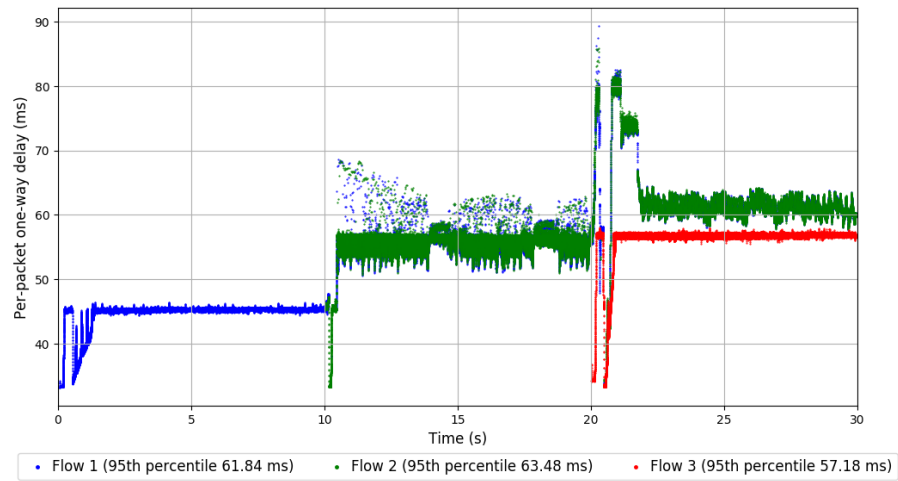
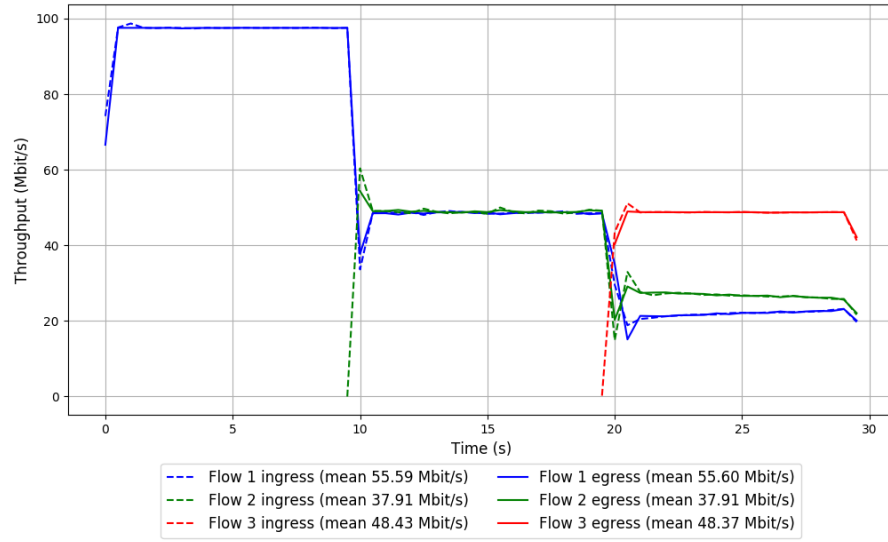


Run 6: Statistics of TCP BBR

Start at: 2017-12-05 20:26:19
End at: 2017-12-05 20:26:49
Local clock offset: 7.327 ms
Remote clock offset: -13.052 ms

Below is generated by plot.py at 2017-12-06 00:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 62.257 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 55.60 Mbit/s
95th percentile per-packet one-way delay: 61.837 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 63.479 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 57.183 ms
Loss rate: 0.49%

Run 6: Report of TCP BBR — Data Link

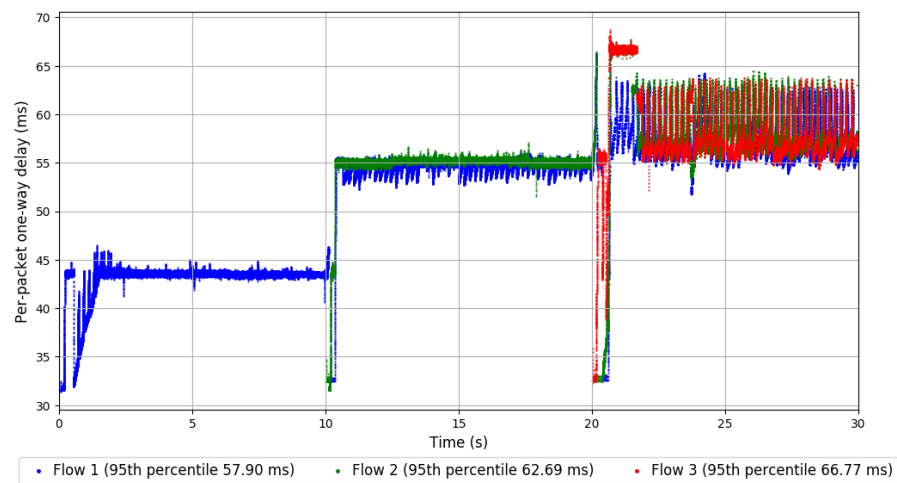
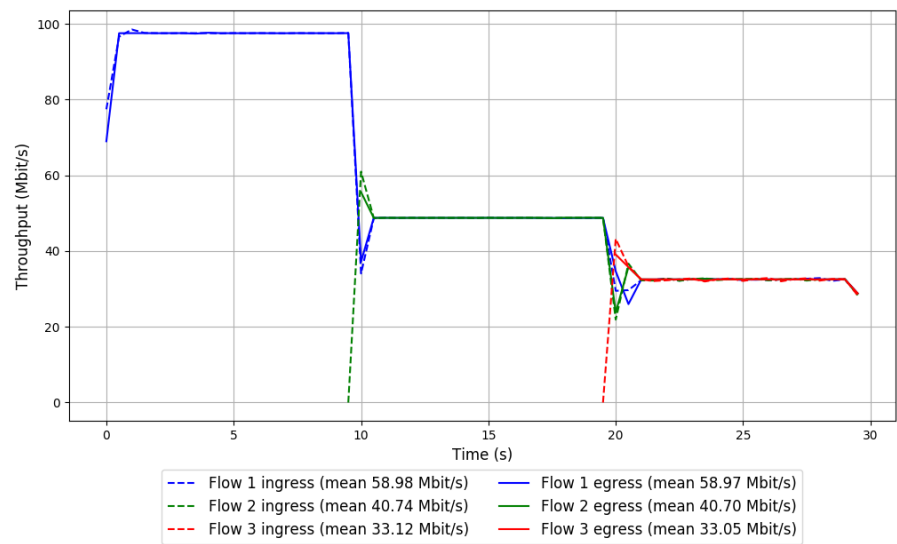


Run 7: Statistics of TCP BBR

Start at: 2017-12-05 20:43:24
End at: 2017-12-05 20:43:54
Local clock offset: 5.475 ms
Remote clock offset: -12.112 ms

Below is generated by plot.py at 2017-12-06 00:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 61.233 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 57.903 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 62.686 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 0.49%

Run 7: Report of TCP BBR — Data Link

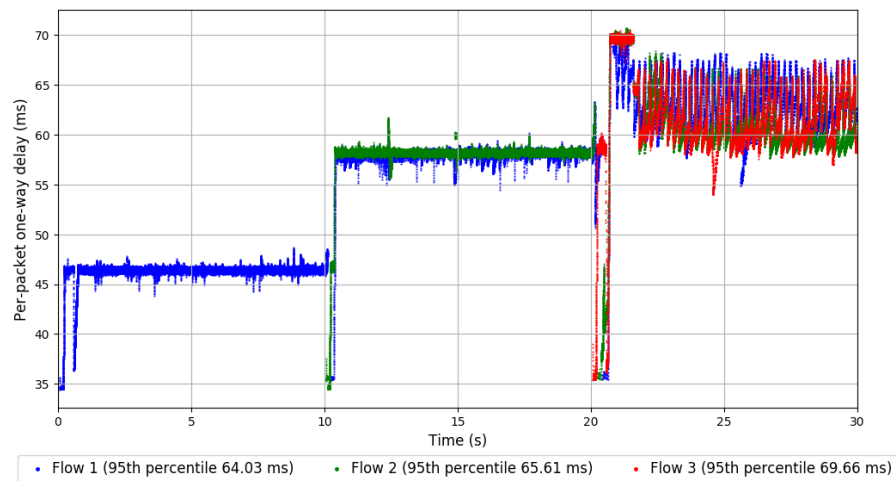
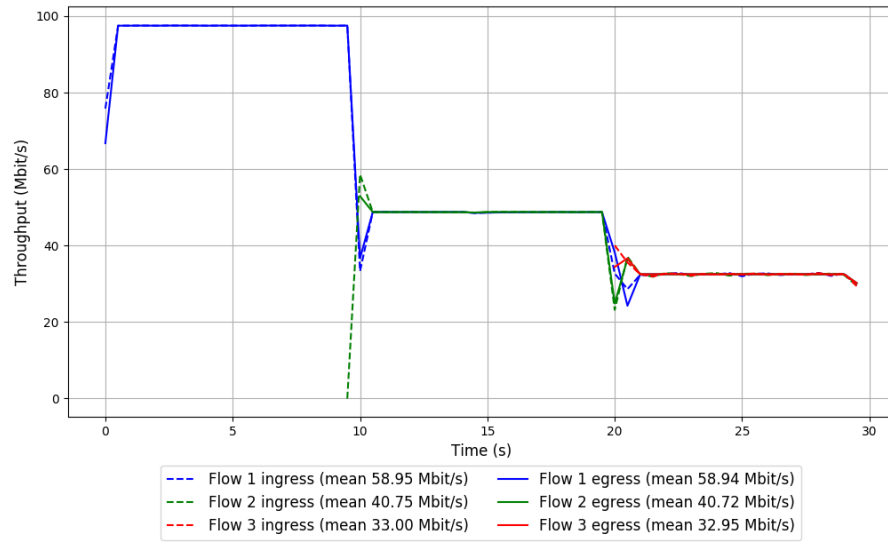


Run 8: Statistics of TCP BBR

Start at: 2017-12-05 21:00:22
End at: 2017-12-05 21:00:52
Local clock offset: 6.728 ms
Remote clock offset: -13.024 ms

Below is generated by plot.py at 2017-12-06 00:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 65.440 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 64.035 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 65.611 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 69.664 ms
Loss rate: 0.50%

Run 8: Report of TCP BBR — Data Link

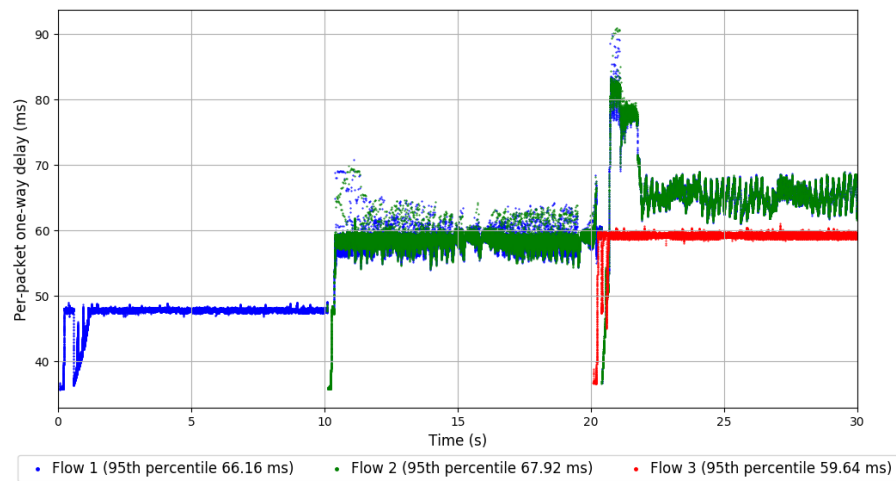
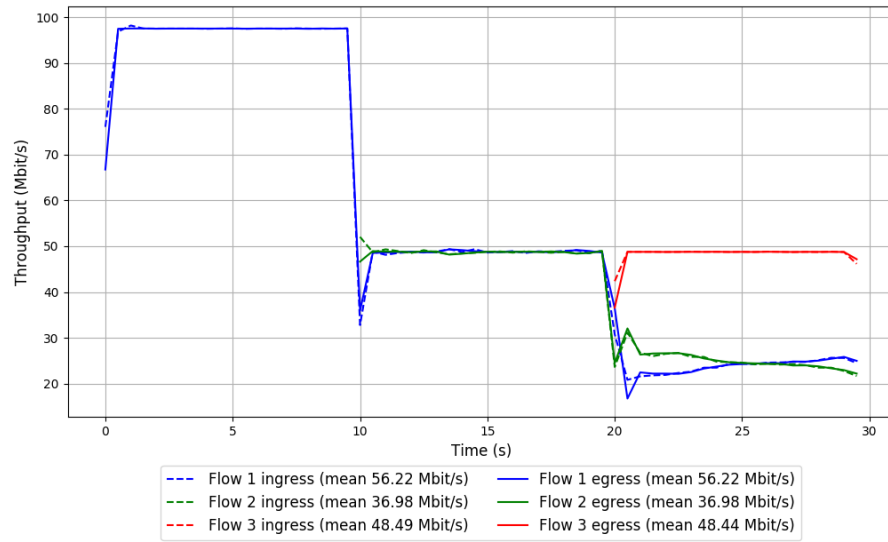


Run 9: Statistics of TCP BBR

Start at: 2017-12-05 21:17:05
End at: 2017-12-05 21:17:35
Local clock offset: 8.884 ms
Remote clock offset: -11.996 ms

Below is generated by plot.py at 2017-12-06 00:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 66.546 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 66.163 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 67.918 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 59.637 ms
Loss rate: 0.49%

Run 9: Report of TCP BBR — Data Link

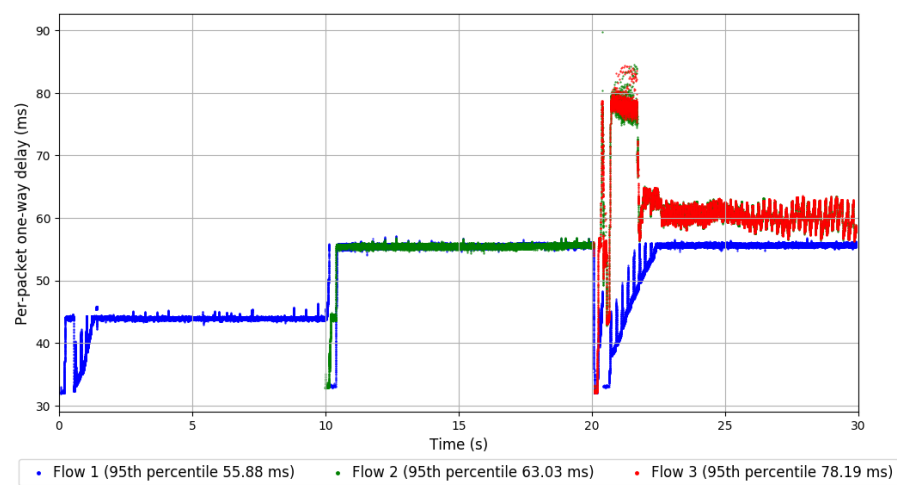
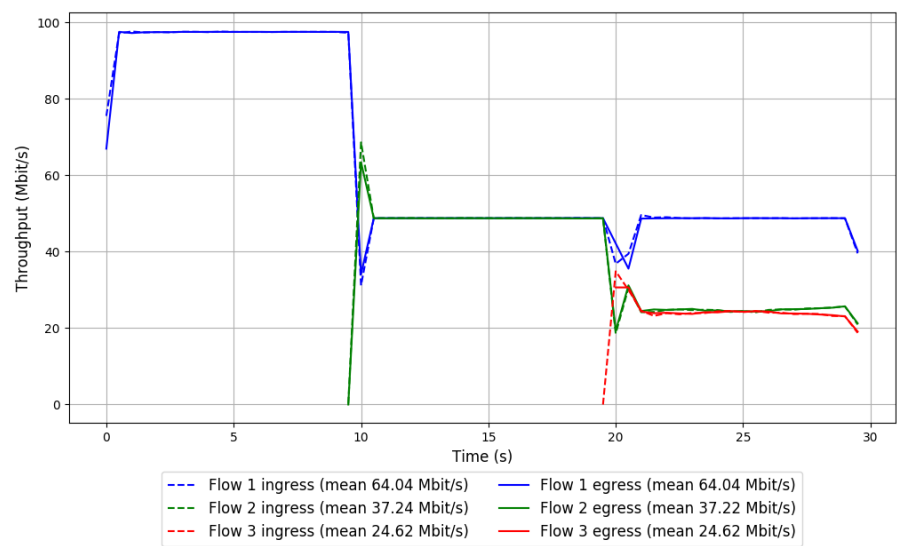


Run 10: Statistics of TCP BBR

Start at: 2017-12-05 21:33:54
End at: 2017-12-05 21:34:24
Local clock offset: 5.308 ms
Remote clock offset: -11.797 ms

Below is generated by plot.py at 2017-12-06 00:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 61.818 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 55.881 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 63.028 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 78.188 ms
Loss rate: 0.50%

Run 10: Report of TCP BBR — Data Link

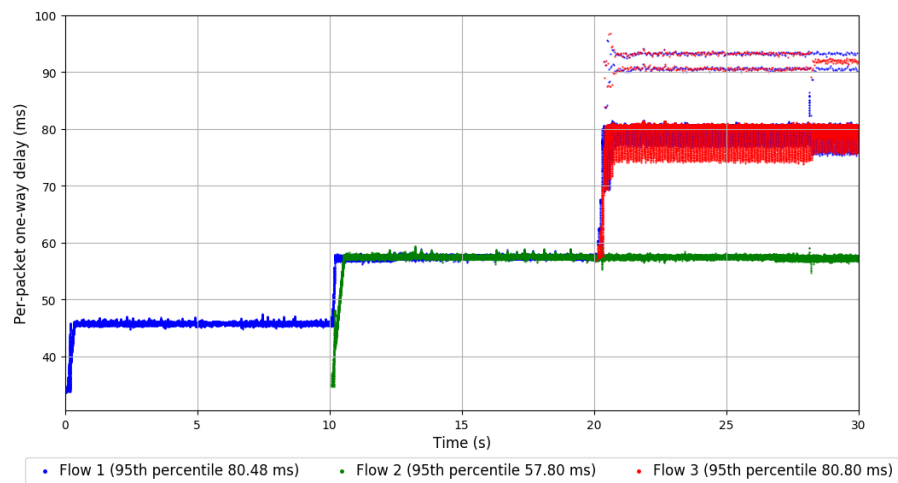
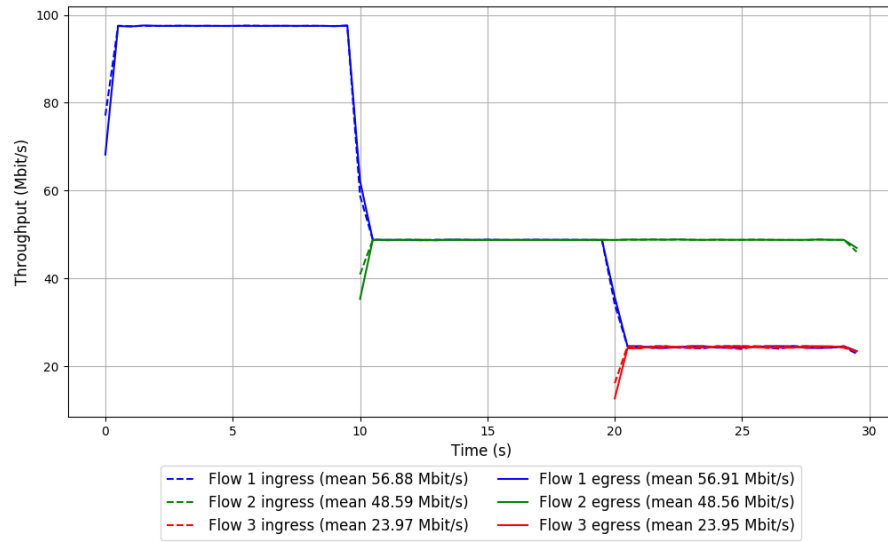


Run 1: Statistics of TCP Cubic

Start at: 2017-12-05 19:04:04
End at: 2017-12-05 19:04:34
Local clock offset: 8.235 ms
Remote clock offset: -16.079 ms

Below is generated by plot.py at 2017-12-06 00:35:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 80.524 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 80.479 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.56 Mbit/s
95th percentile per-packet one-way delay: 57.801 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 80.796 ms
Loss rate: 0.77%

Run 1: Report of TCP Cubic — Data Link

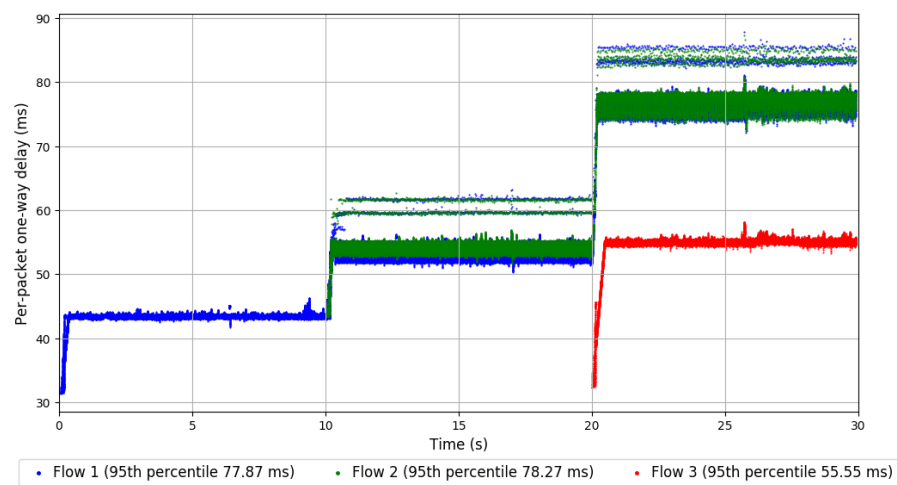
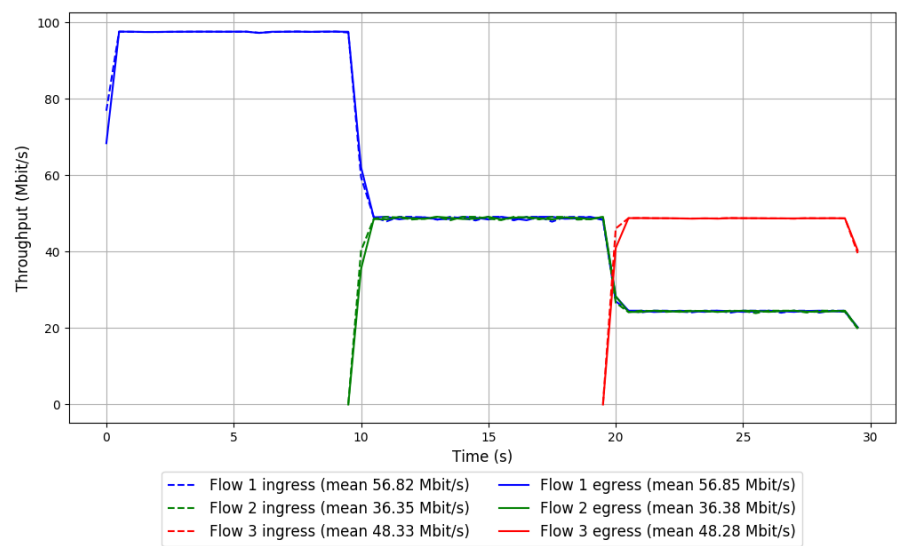


Run 2: Statistics of TCP Cubic

Start at: 2017-12-05 19:21:51
End at: 2017-12-05 19:22:21
Local clock offset: 6.292 ms
Remote clock offset: -14.945 ms

Below is generated by plot.py at 2017-12-06 00:35:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 78.053 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.85 Mbit/s
95th percentile per-packet one-way delay: 77.868 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 78.270 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 55.555 ms
Loss rate: 0.48%

Run 2: Report of TCP Cubic — Data Link

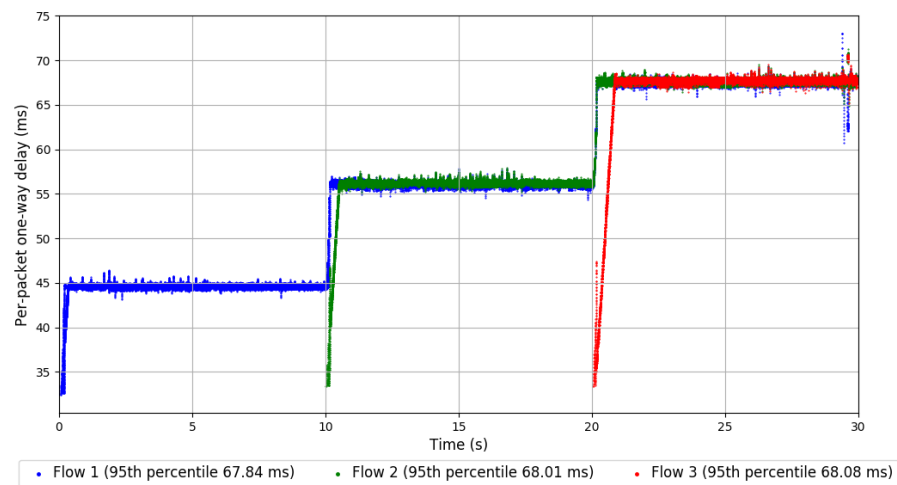
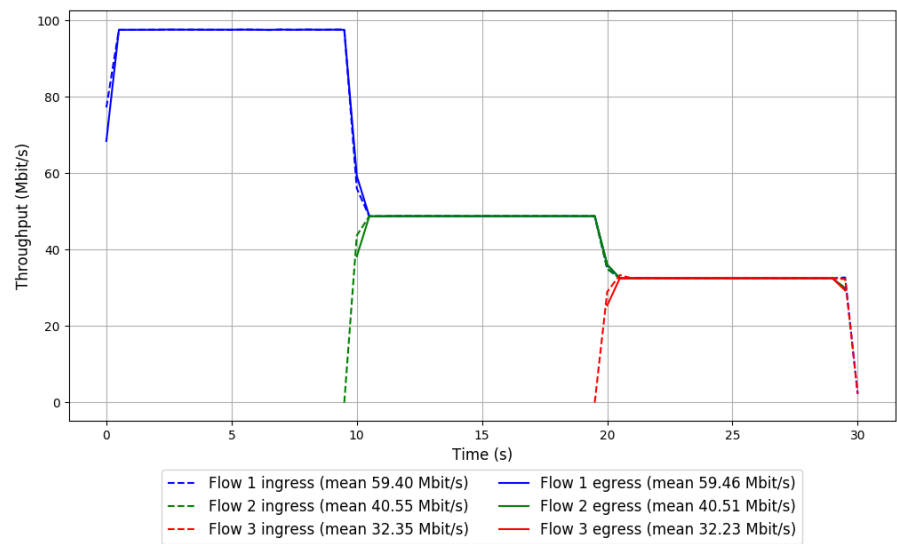


Run 3: Statistics of TCP Cubic

Start at: 2017-12-05 19:39:08
End at: 2017-12-05 19:39:38
Local clock offset: 7.391 ms
Remote clock offset: -14.44 ms

Below is generated by plot.py at 2017-12-06 00:35:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 67.971 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 67.839 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 68.006 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 68.076 ms
Loss rate: 1.49%

Run 3: Report of TCP Cubic — Data Link

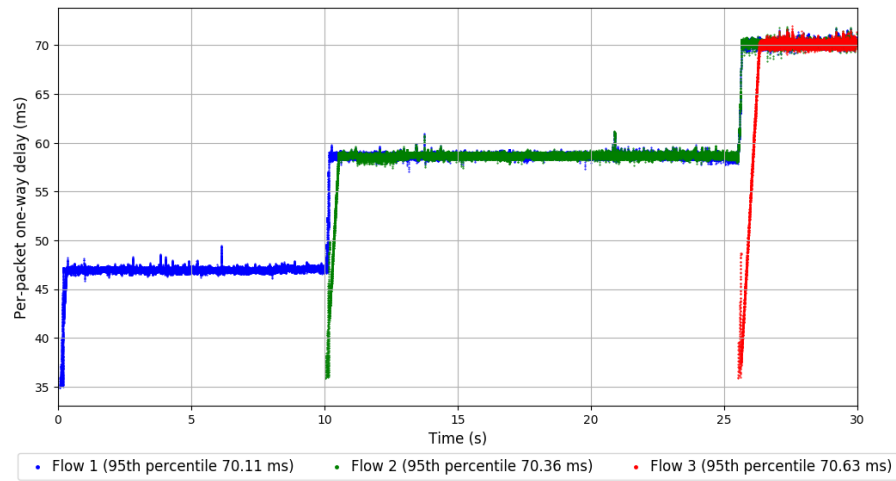
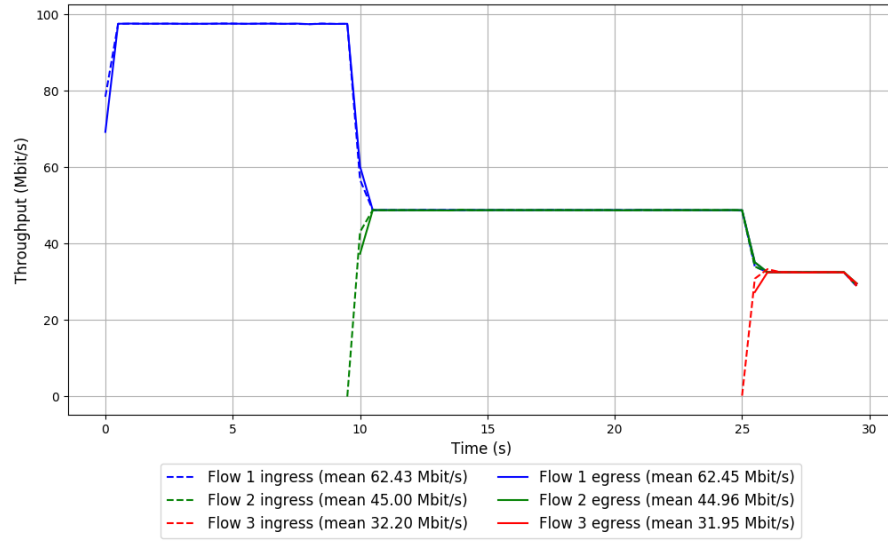


Run 4: Statistics of TCP Cubic

Start at: 2017-12-05 19:56:15
End at: 2017-12-05 19:56:45
Local clock offset: 10.392 ms
Remote clock offset: -13.388 ms

Below is generated by plot.py at 2017-12-06 00:35:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 70.337 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 70.105 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 70.361 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 70.626 ms
Loss rate: 1.35%

Run 4: Report of TCP Cubic — Data Link

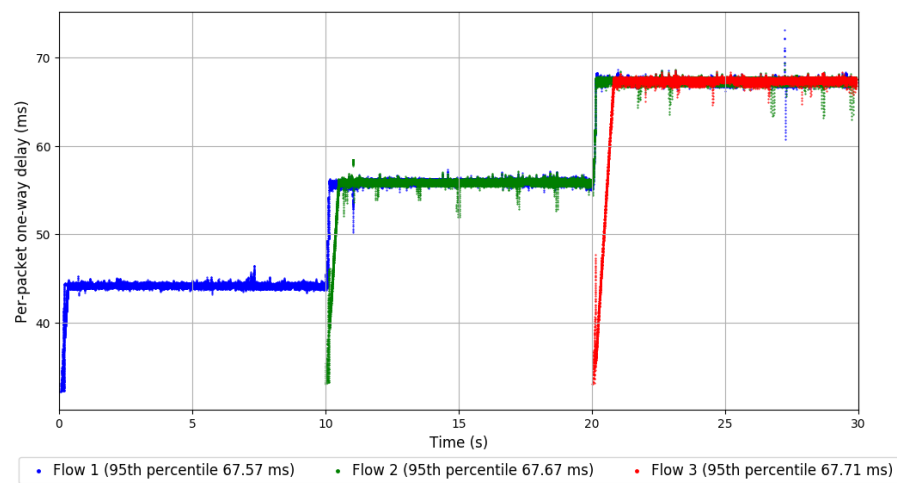
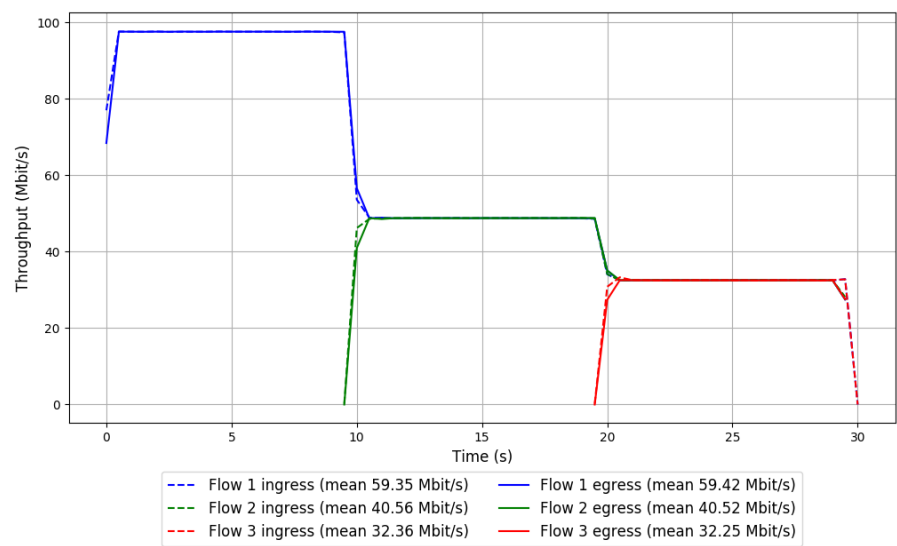


Run 5: Statistics of TCP Cubic

Start at: 2017-12-05 20:13:14
End at: 2017-12-05 20:13:44
Local clock offset: 7.243 ms
Remote clock offset: -12.608 ms

Below is generated by plot.py at 2017-12-06 00:35:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 67.648 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 67.573 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 67.675 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 67.712 ms
Loss rate: 1.48%

Run 5: Report of TCP Cubic — Data Link

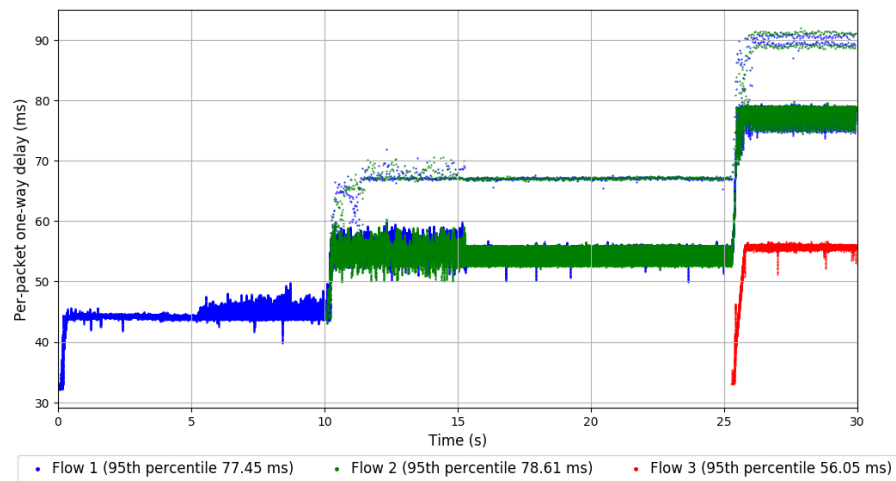
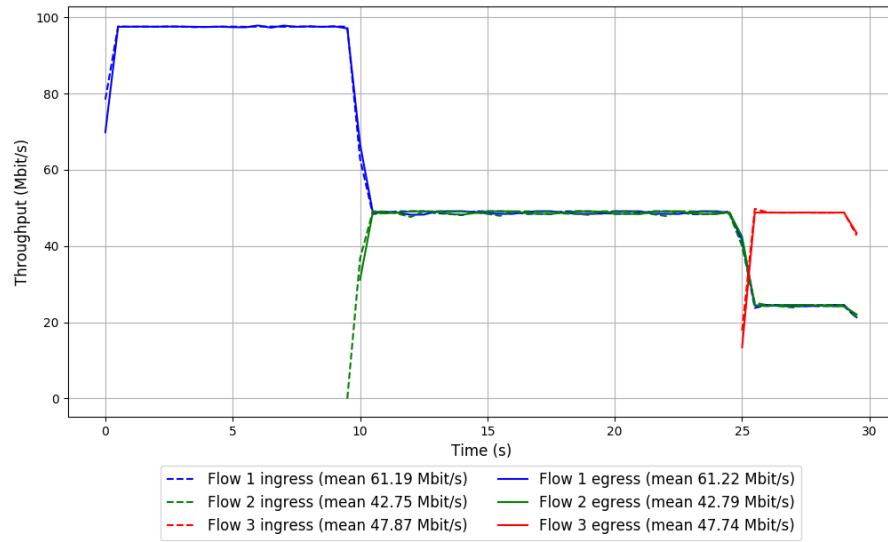


Run 6: Statistics of TCP Cubic

Start at: 2017-12-05 20:30:01
End at: 2017-12-05 20:30:31
Local clock offset: 5.13 ms
Remote clock offset: -13.953 ms

Below is generated by plot.py at 2017-12-06 00:35:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 78.321 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 77.452 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 78.606 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 47.74 Mbit/s
95th percentile per-packet one-way delay: 56.049 ms
Loss rate: 1.06%

Run 6: Report of TCP Cubic — Data Link

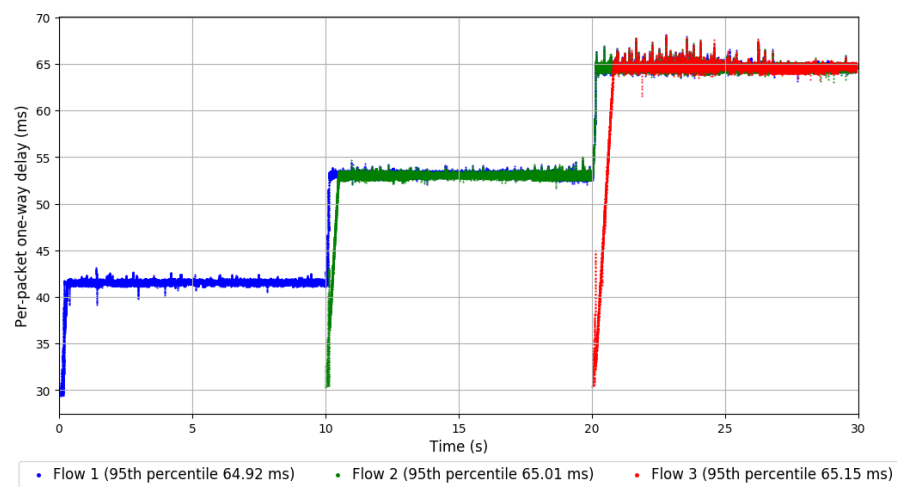
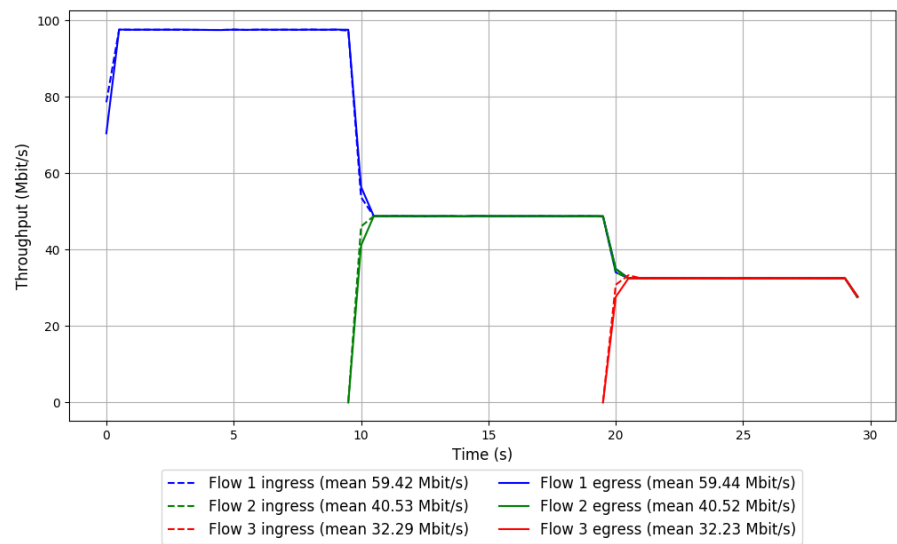


Run 7: Statistics of TCP Cubic

Start at: 2017-12-05 20:47:14
End at: 2017-12-05 20:47:44
Local clock offset: 2.712 ms
Remote clock offset: -12.473 ms

Below is generated by plot.py at 2017-12-06 00:37:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 64.990 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 64.923 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 65.009 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 65.152 ms
Loss rate: 0.61%

Run 7: Report of TCP Cubic — Data Link

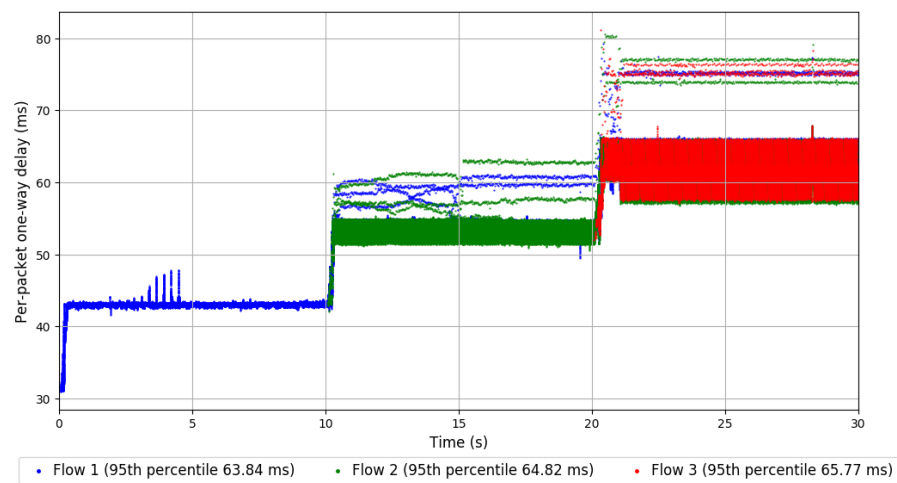
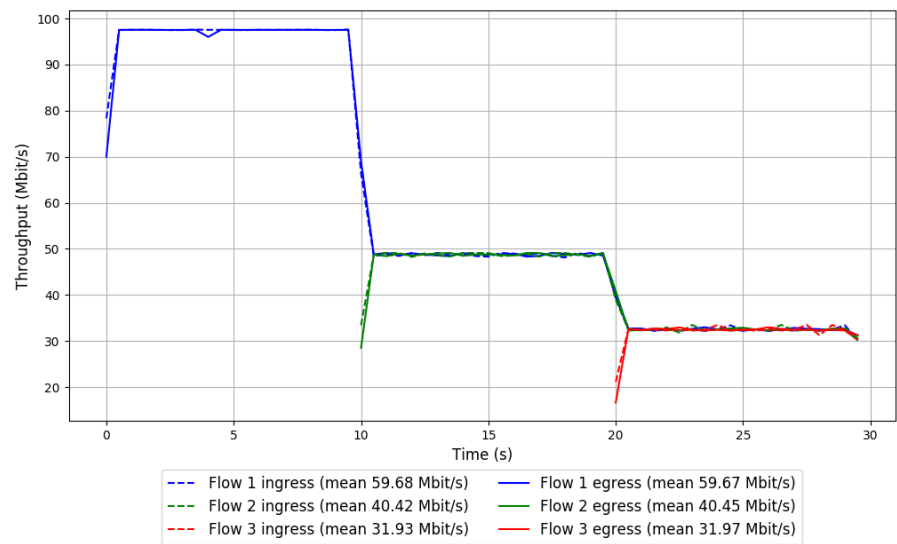


Run 8: Statistics of TCP Cubic

Start at: 2017-12-05 21:04:00
End at: 2017-12-05 21:04:30
Local clock offset: 3.746 ms
Remote clock offset: -12.248 ms

Below is generated by plot.py at 2017-12-06 00:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 64.669 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.67 Mbit/s
95th percentile per-packet one-way delay: 63.842 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 64.819 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 65.771 ms
Loss rate: 0.55%

Run 8: Report of TCP Cubic — Data Link

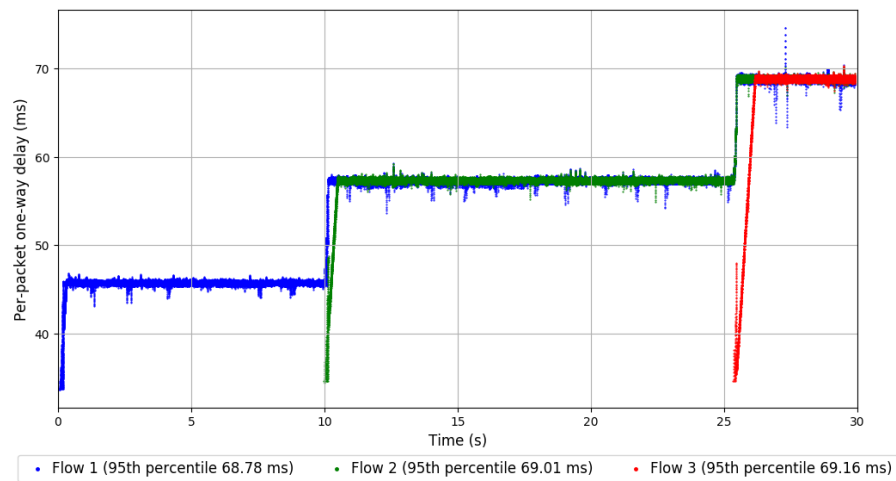
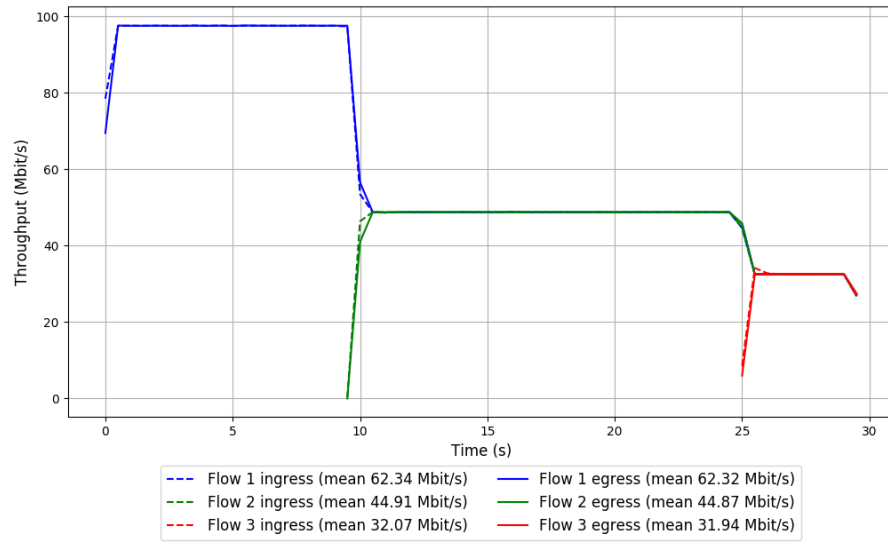


Run 9: Statistics of TCP Cubic

Start at: 2017-12-05 21:20:44
End at: 2017-12-05 21:21:14
Local clock offset: 5.84 ms
Remote clock offset: -13.185 ms

Below is generated by plot.py at 2017-12-06 00:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 68.996 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.32 Mbit/s
95th percentile per-packet one-way delay: 68.780 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 44.87 Mbit/s
95th percentile per-packet one-way delay: 69.013 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 69.158 ms
Loss rate: 1.33%

Run 9: Report of TCP Cubic — Data Link

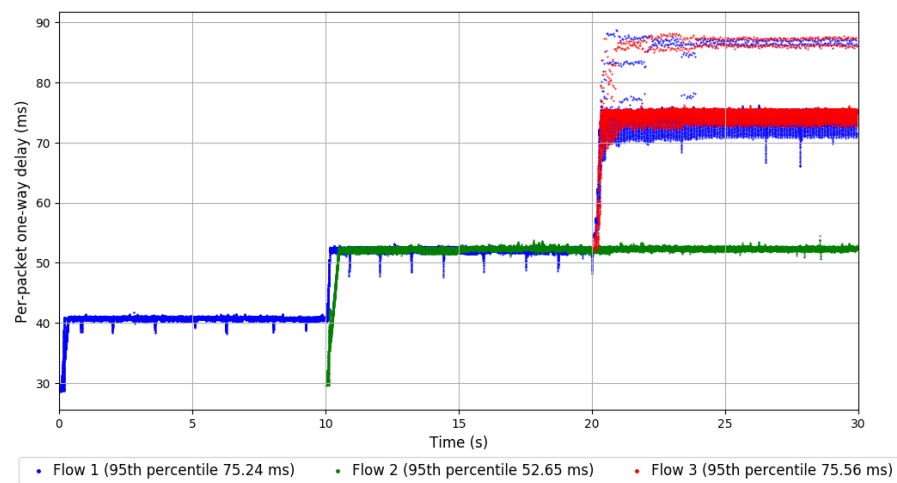
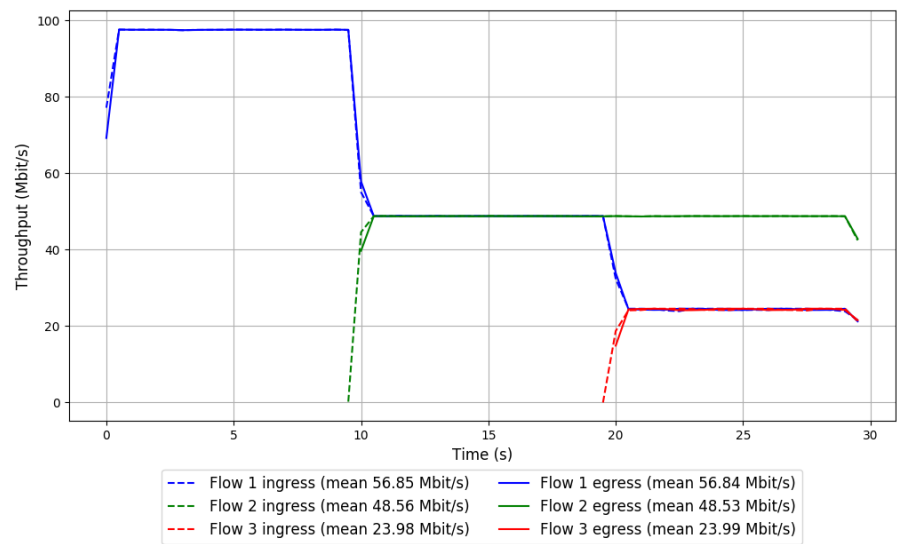


Run 10: Statistics of TCP Cubic

Start at: 2017-12-05 21:37:32
End at: 2017-12-05 21:38:02
Local clock offset: 2.189 ms
Remote clock offset: -11.391 ms

Below is generated by plot.py at 2017-12-06 00:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 75.319 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 75.242 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 52.653 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 75.556 ms
Loss rate: 0.72%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of LEDBAT

Start at: 2017-12-05 19:08:06

End at: 2017-12-05 19:08:36

Local clock offset: 5.201 ms

Remote clock offset: -15.288 ms

Run 1: Report of LEDBAT — Data Link

Figure is missing

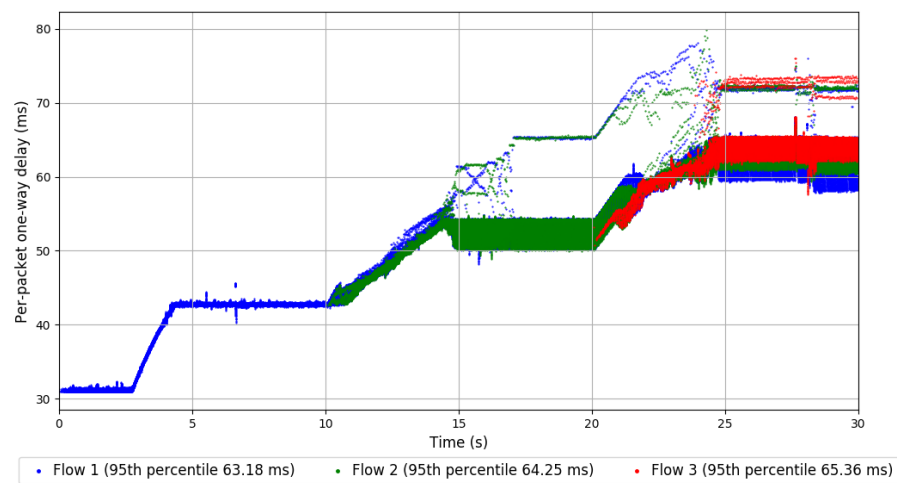
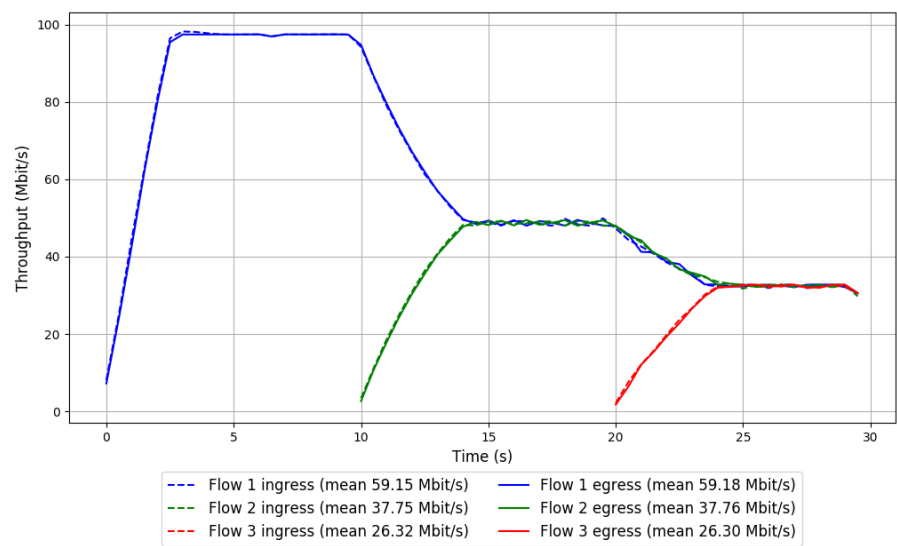
Figure is missing

Run 2: Statistics of LEDBAT

Start at: 2017-12-05 19:25:45
End at: 2017-12-05 19:26:15
Local clock offset: 6.027 ms
Remote clock offset: -14.662 ms

Below is generated by plot.py at 2017-12-06 00:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 64.586 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.18 Mbit/s
95th percentile per-packet one-way delay: 63.182 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 64.251 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 65.356 ms
Loss rate: 0.75%

Run 2: Report of LEDBAT — Data Link

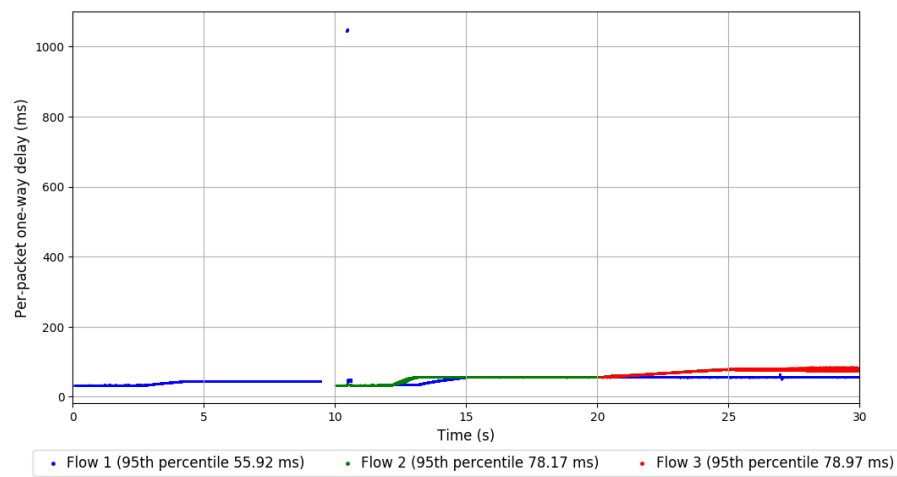
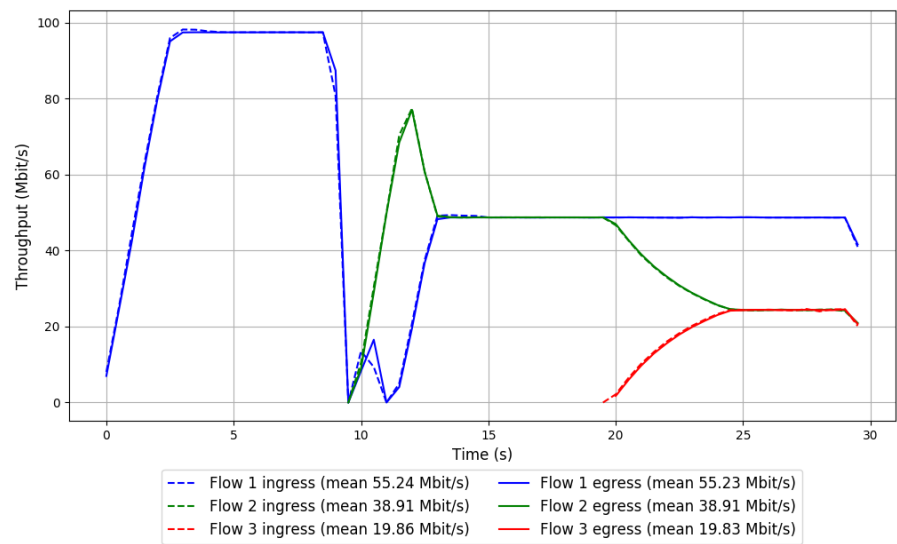


Run 3: Statistics of LEDBAT

Start at: 2017-12-05 19:42:56
End at: 2017-12-05 19:43:26
Local clock offset: 8.217 ms
Remote clock offset: -13.506 ms

Below is generated by plot.py at 2017-12-06 00:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 77.824 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 55.922 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 78.166 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 19.83 Mbit/s
95th percentile per-packet one-way delay: 78.975 ms
Loss rate: 0.84%

Run 3: Report of LEDBAT — Data Link

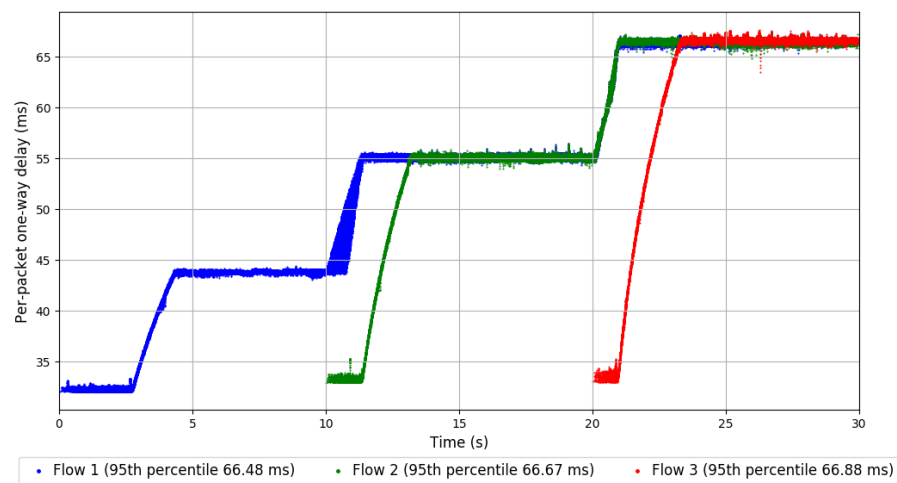
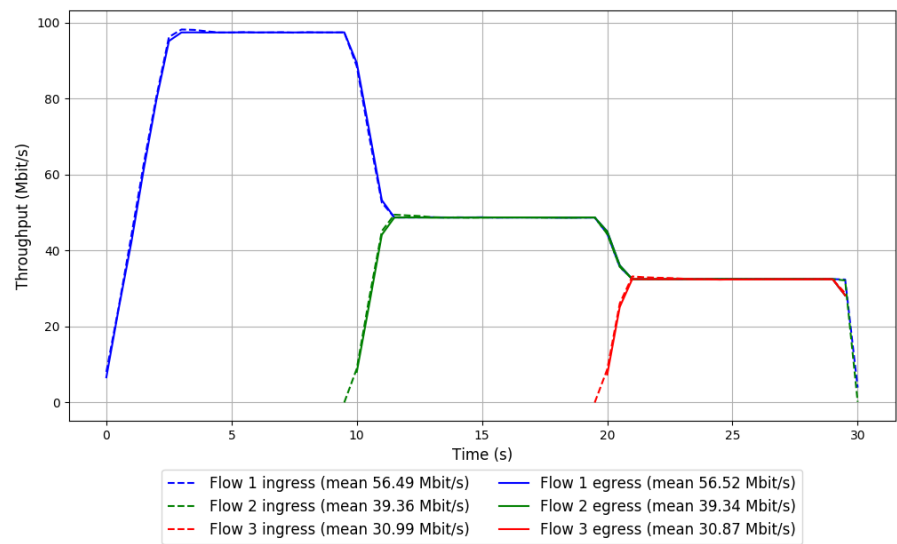


Run 4: Statistics of LEDBAT

Start at: 2017-12-05 20:00:06
End at: 2017-12-05 20:00:36
Local clock offset: 5.86 ms
Remote clock offset: -14.854 ms

Below is generated by plot.py at 2017-12-06 00:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 66.661 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 66.483 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 66.669 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 66.876 ms
Loss rate: 0.79%

Run 4: Report of LEDBAT — Data Link

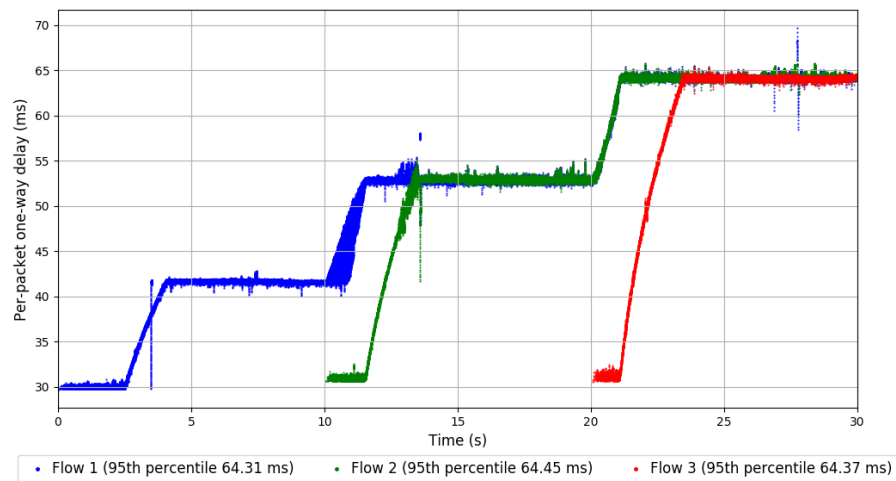
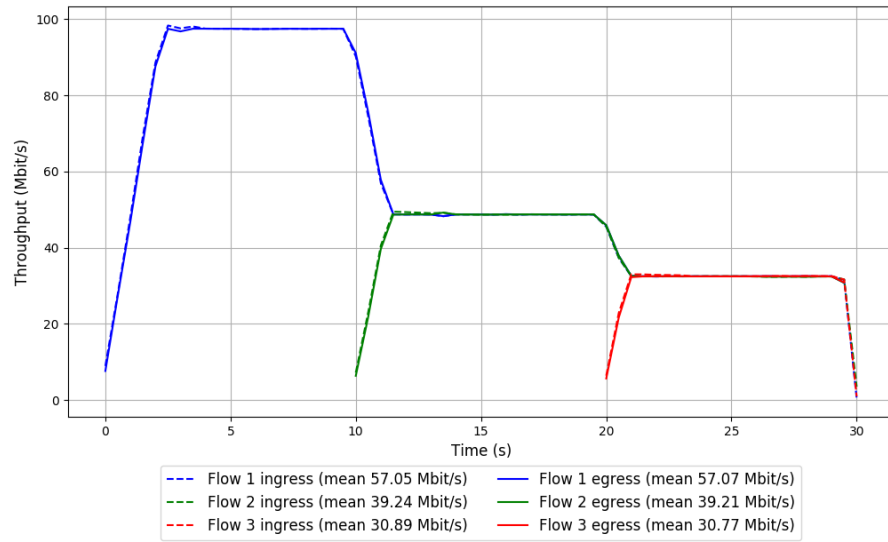


Run 5: Statistics of LEDBAT

Start at: 2017-12-05 20:16:59
End at: 2017-12-05 20:17:29
Local clock offset: 4.373 ms
Remote clock offset: -12.959 ms

Below is generated by plot.py at 2017-12-06 00:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 64.377 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 64.309 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 64.446 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 64.370 ms
Loss rate: 0.97%

Run 5: Report of LEDBAT — Data Link

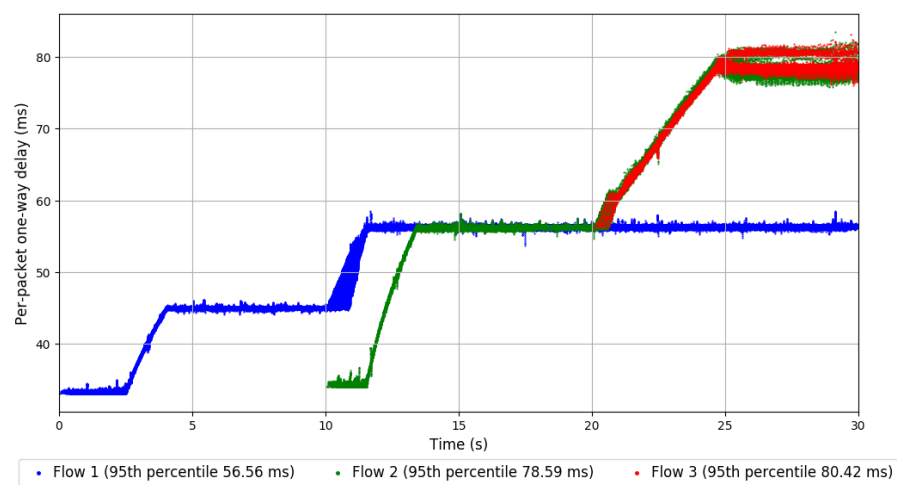
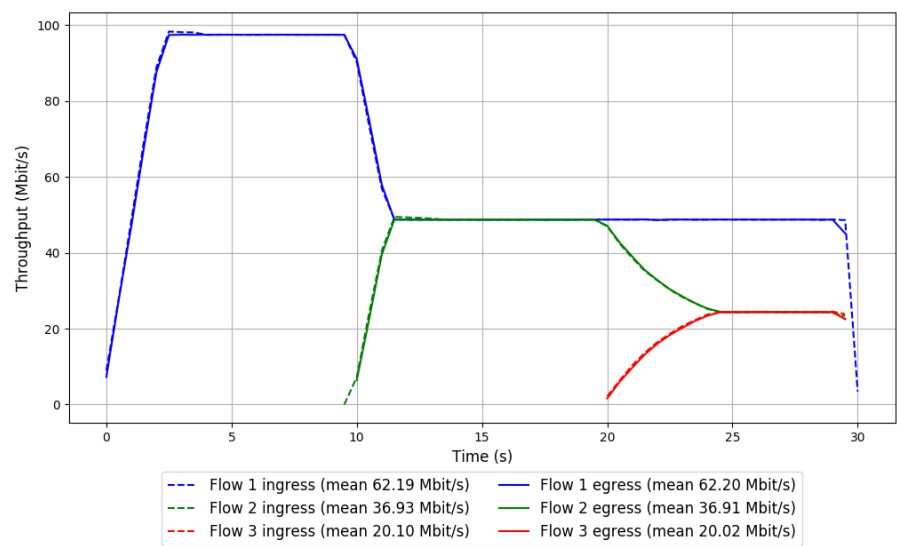


Run 6: Statistics of LEDBAT

Start at: 2017-12-05 20:33:45
End at: 2017-12-05 20:34:15
Local clock offset: 0.952 ms
Remote clock offset: -18.827 ms

Below is generated by plot.py at 2017-12-06 00:38:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 78.443 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 62.20 Mbit/s
95th percentile per-packet one-way delay: 56.560 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 78.588 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 80.424 ms
Loss rate: 1.28%

Run 6: Report of LEDBAT — Data Link

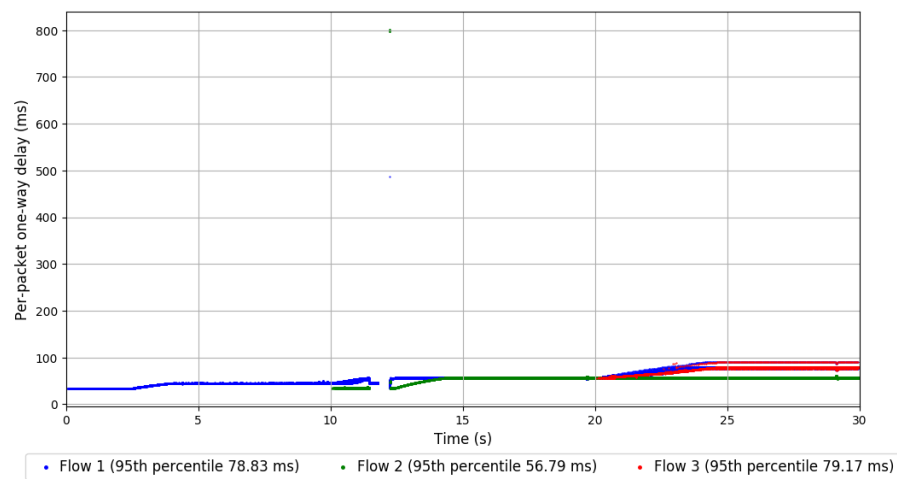
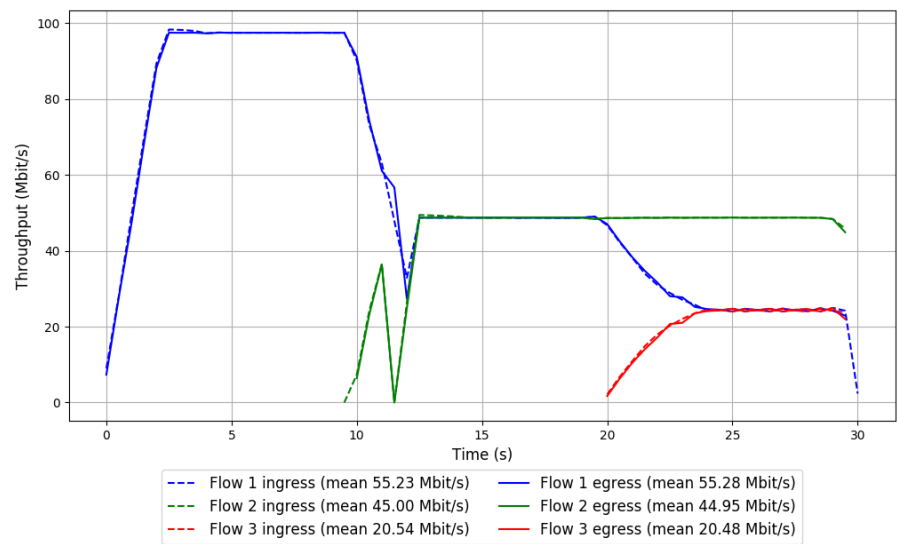


Run 7: Statistics of LEDBAT

Start at: 2017-12-05 20:51:00
End at: 2017-12-05 20:51:30
Local clock offset: 6.151 ms
Remote clock offset: -12.837 ms

Below is generated by plot.py at 2017-12-06 00:38:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 78.891 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 78.833 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 56.794 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 79.168 ms
Loss rate: 1.29%

Run 7: Report of LEDBAT — Data Link

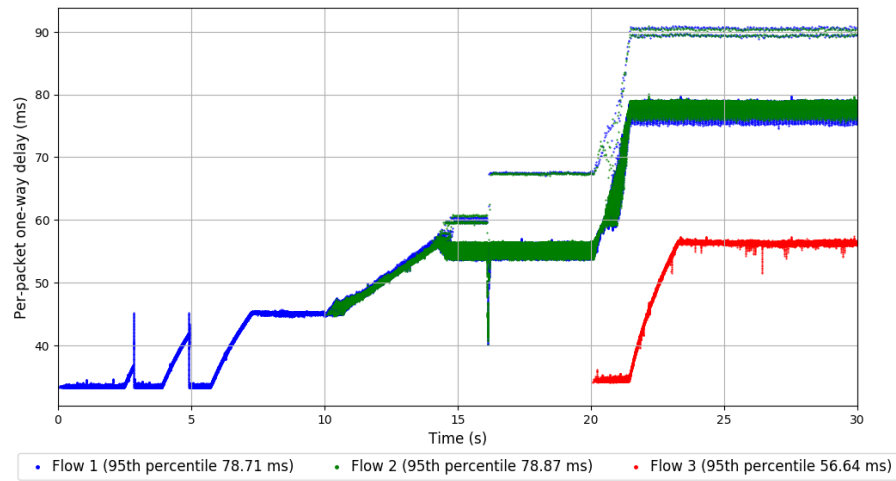
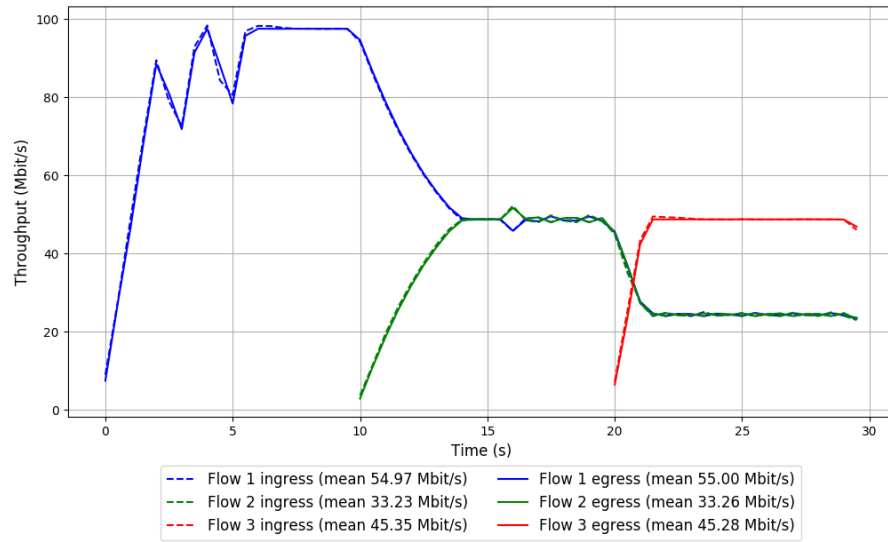


Run 8: Statistics of LEDBAT

Start at: 2017-12-05 21:07:36
End at: 2017-12-05 21:08:06
Local clock offset: 5.919 ms
Remote clock offset: -12.202 ms

Below is generated by plot.py at 2017-12-06 00:38:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 78.745 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 78.708 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 78.870 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 56.644 ms
Loss rate: 0.51%

Run 8: Report of LEDBAT — Data Link

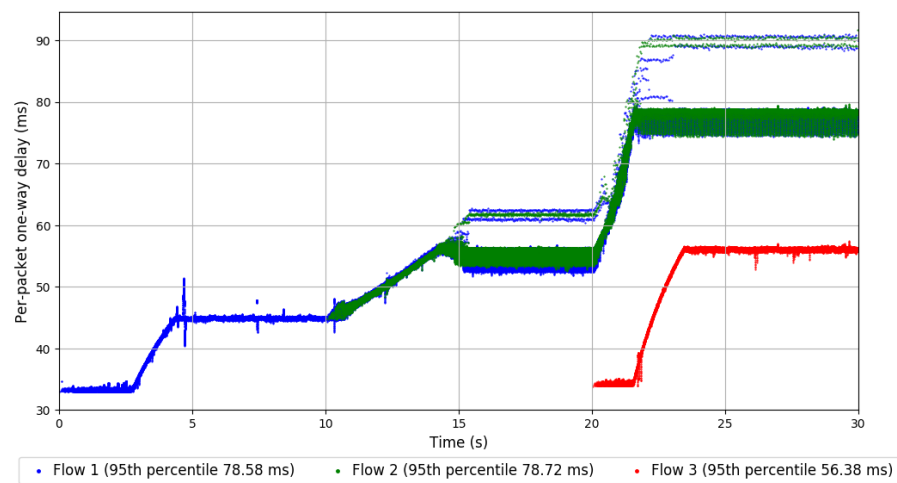
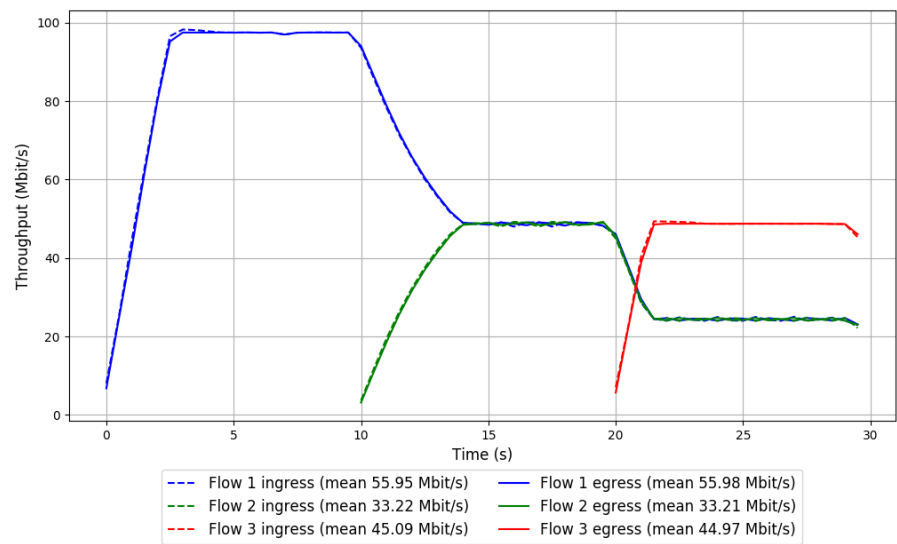


Run 9: Statistics of LEDBAT

Start at: 2017-12-05 21:24:26
End at: 2017-12-05 21:24:56
Local clock offset: 6.212 ms
Remote clock offset: -12.356 ms

Below is generated by plot.py at 2017-12-06 00:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 78.622 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.98 Mbit/s
95th percentile per-packet one-way delay: 78.578 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 78.716 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 56.376 ms
Loss rate: 0.53%

Run 9: Report of LEDBAT — Data Link

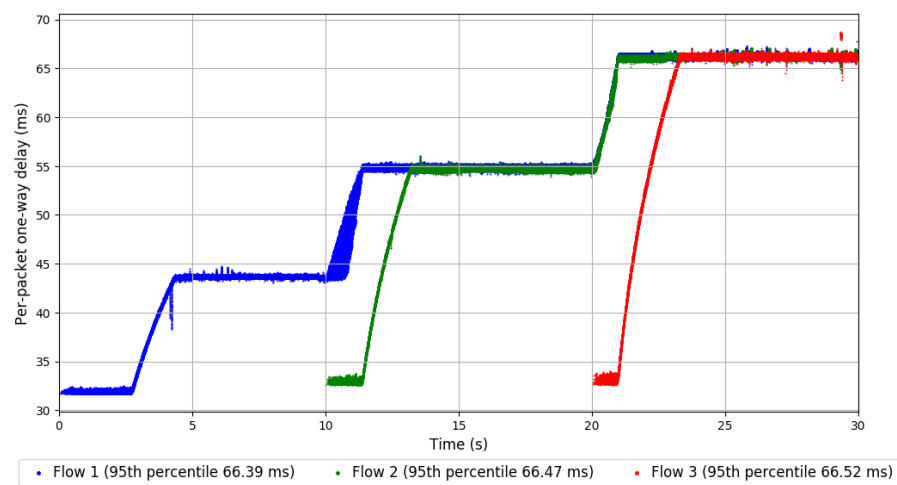
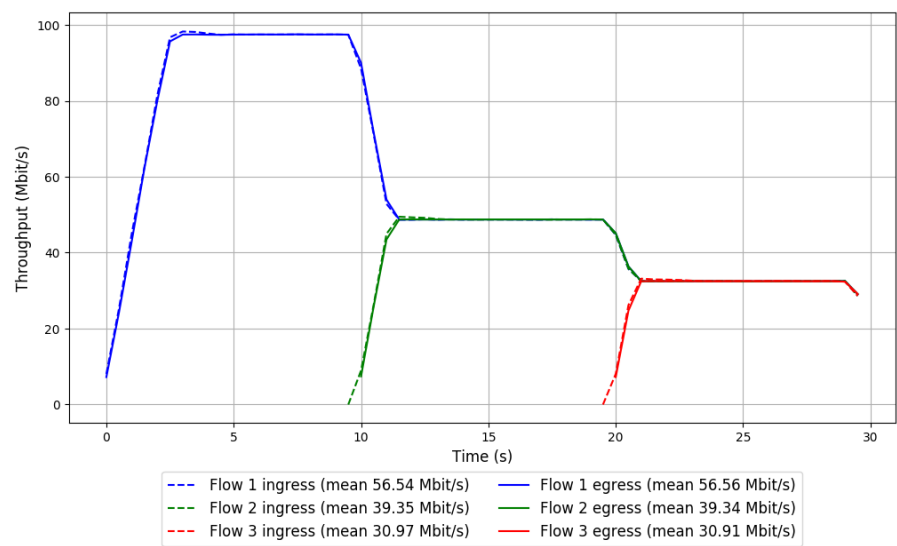


Run 10: Statistics of LEDBAT

Start at: 2017-12-05 21:41:10
End at: 2017-12-05 21:41:40
Local clock offset: 4.222 ms
Remote clock offset: -12.251 ms

Below is generated by plot.py at 2017-12-06 00:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 66.452 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 66.385 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 66.468 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 66.517 ms
Loss rate: 0.62%

Run 10: Report of LEDBAT — Data Link

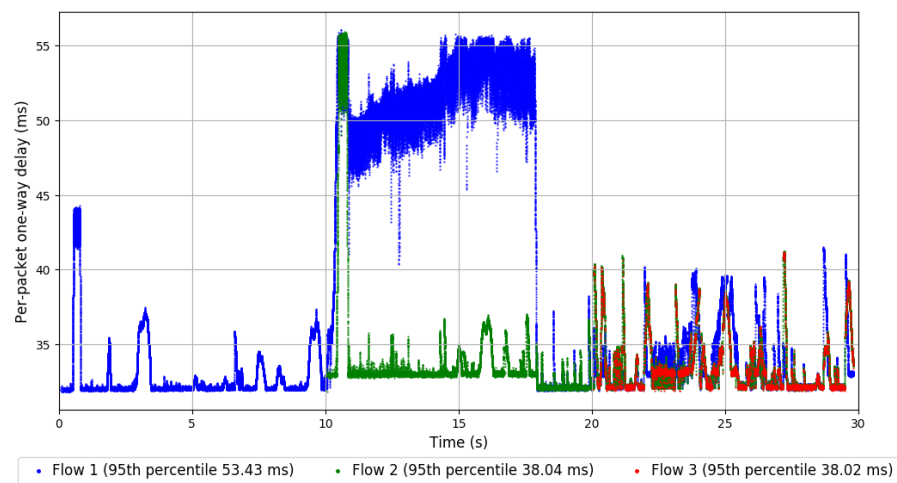
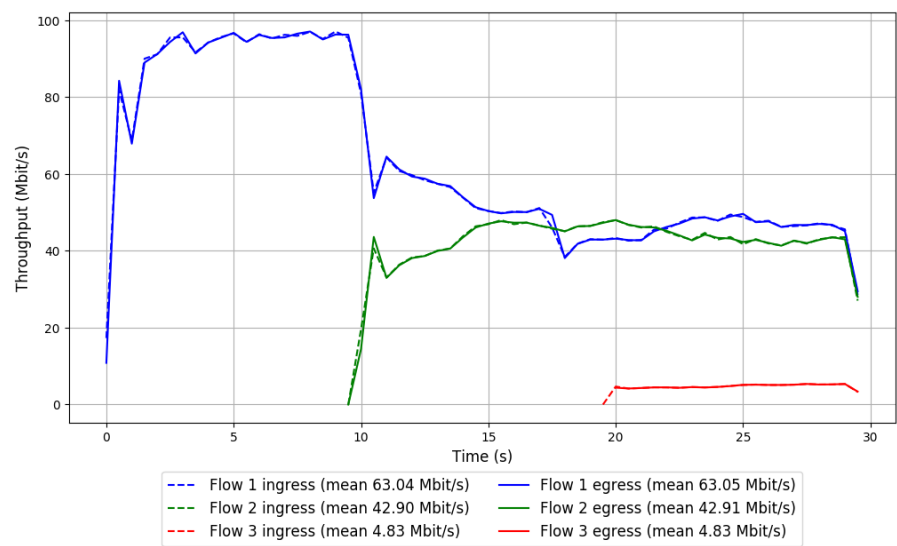


Run 1: Statistics of PCC

Start at: 2017-12-05 19:01:38
End at: 2017-12-05 19:02:08
Local clock offset: 8.725 ms
Remote clock offset: -14.086 ms

Below is generated by plot.py at 2017-12-06 00:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 52.739 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 53.432 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 38.038 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 38.017 ms
Loss rate: 0.28%

Run 1: Report of PCC — Data Link

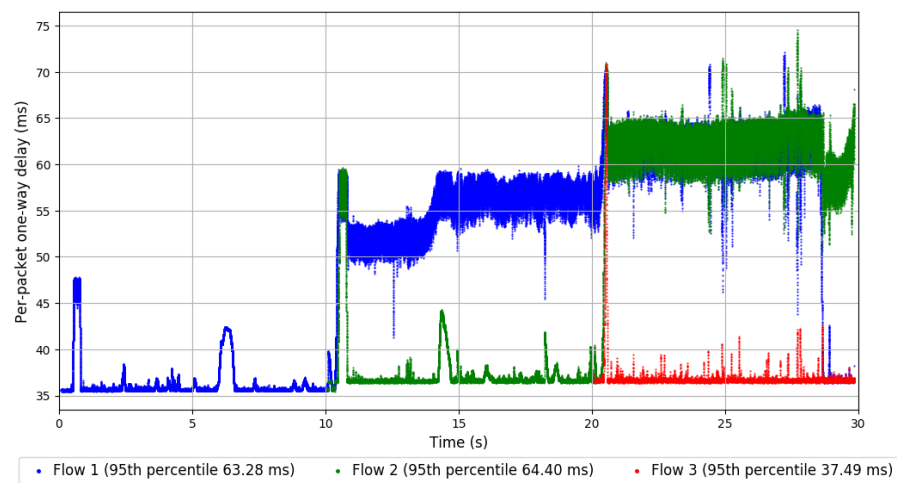
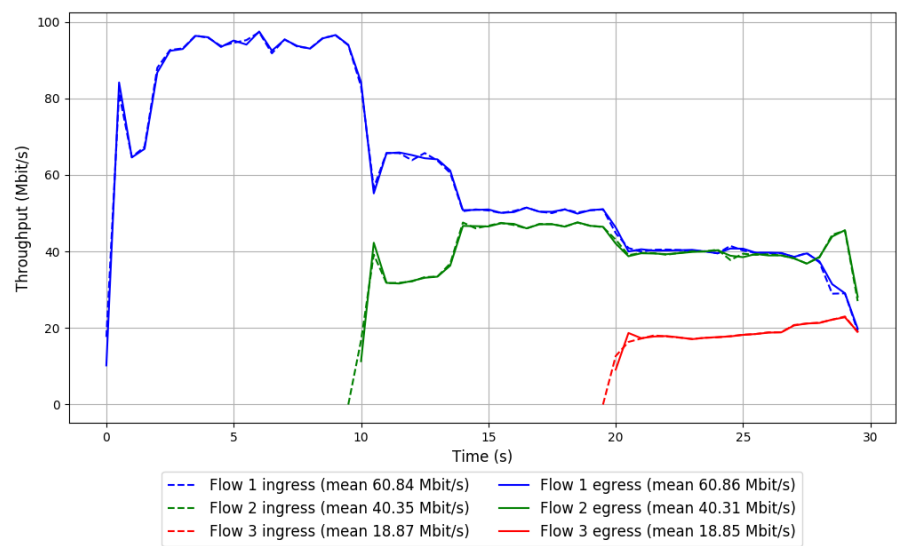


Run 2: Statistics of PCC

Start at: 2017-12-05 19:19:07
End at: 2017-12-05 19:19:37
Local clock offset: 7.589 ms
Remote clock offset: -17.775 ms

Below is generated by plot.py at 2017-12-06 00:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 63.775 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 63.282 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 64.397 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 37.488 ms
Loss rate: 0.45%

Run 2: Report of PCC — Data Link

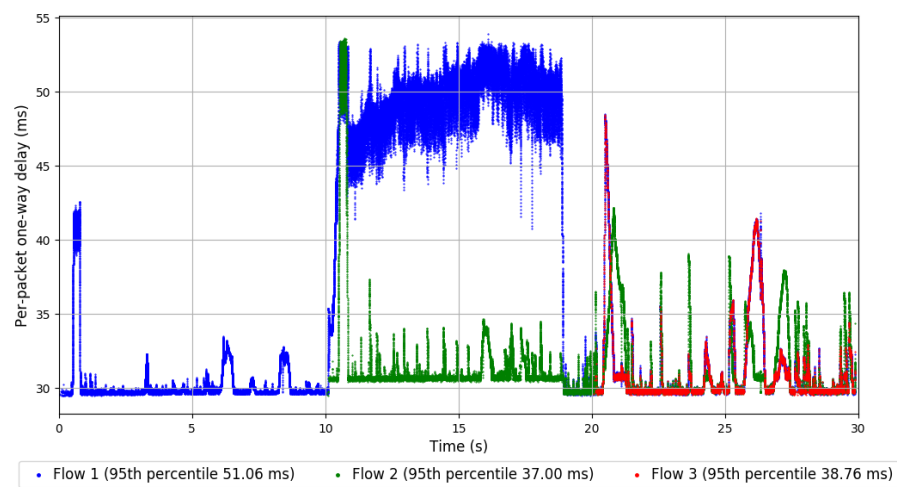
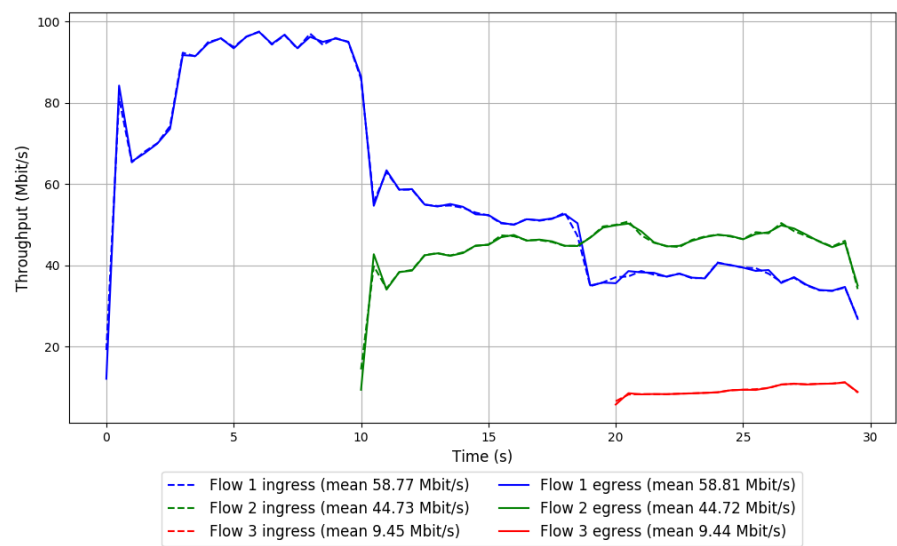


Run 3: Statistics of PCC

Start at: 2017-12-05 19:36:28
End at: 2017-12-05 19:36:58
Local clock offset: 6.376 ms
Remote clock offset: -12.66 ms

Below is generated by plot.py at 2017-12-06 00:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 50.544 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 51.063 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 36.996 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 38.764 ms
Loss rate: 0.32%

Run 3: Report of PCC — Data Link

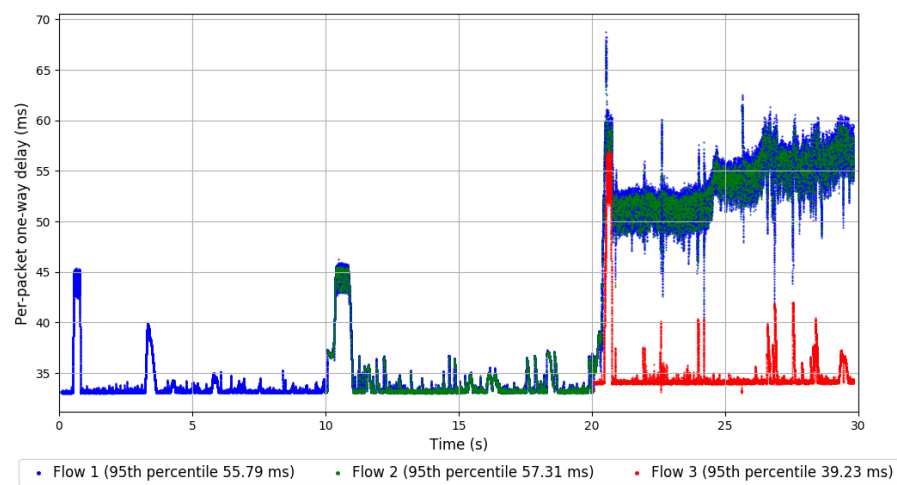
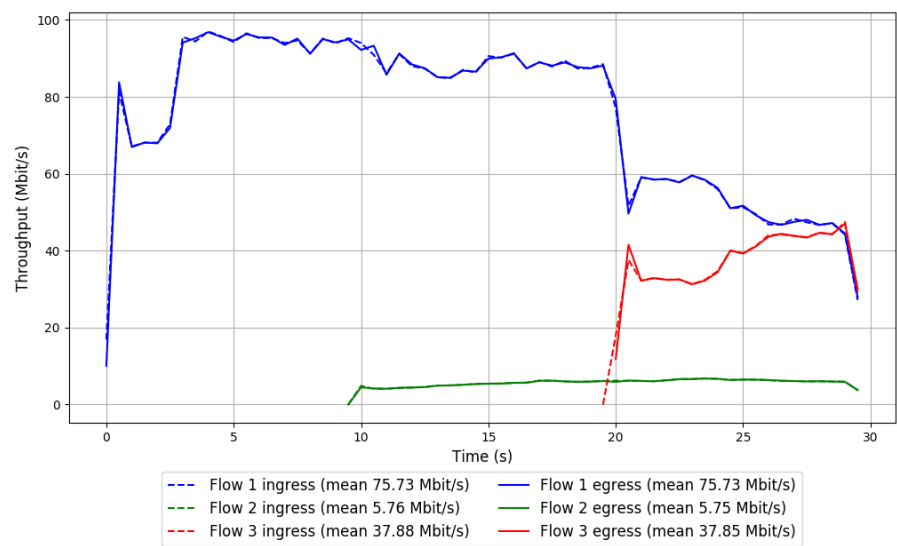


Run 4: Statistics of PCC

Start at: 2017-12-05 19:53:43
End at: 2017-12-05 19:54:13
Local clock offset: 7.724 ms
Remote clock offset: -14.221 ms

Below is generated by plot.py at 2017-12-06 00:39:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 55.664 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 75.73 Mbit/s
95th percentile per-packet one-way delay: 55.786 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 5.75 Mbit/s
95th percentile per-packet one-way delay: 57.310 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 39.233 ms
Loss rate: 0.34%

Run 4: Report of PCC — Data Link

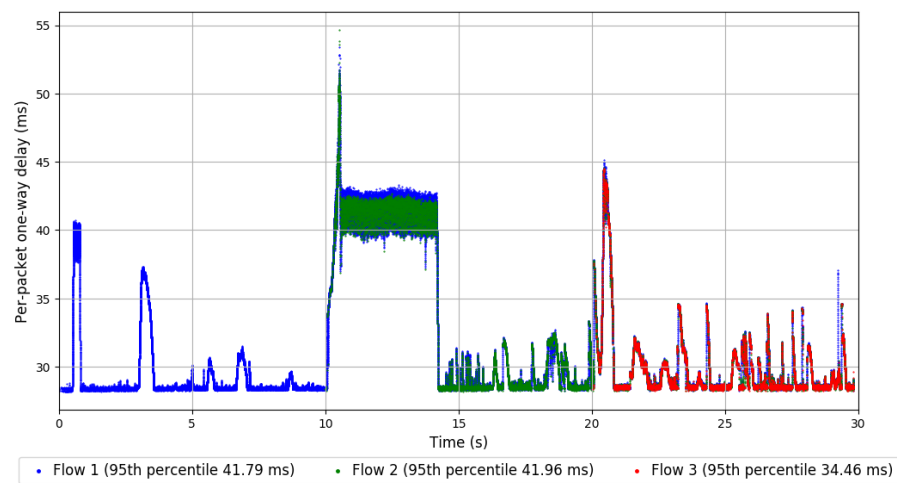
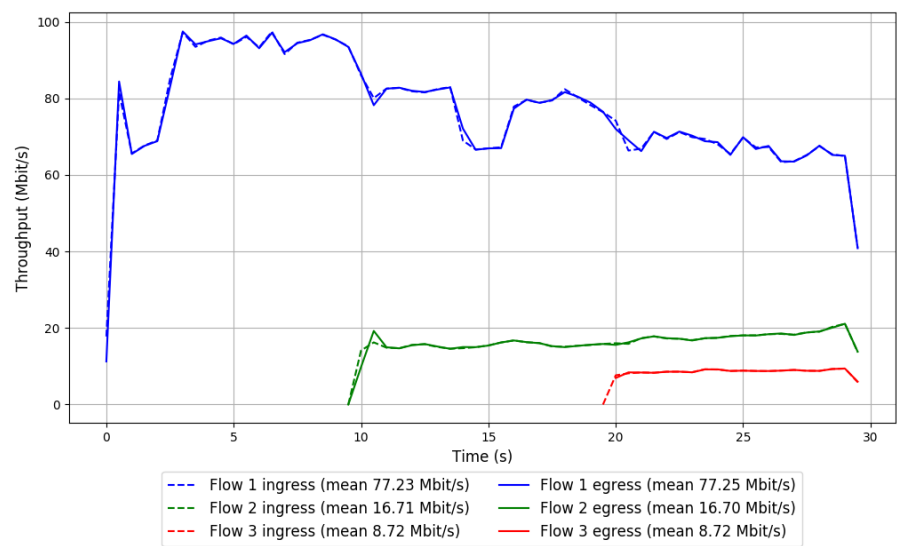


Run 5: Statistics of PCC

Start at: 2017-12-05 20:10:58
End at: 2017-12-05 20:11:28
Local clock offset: 4.001 ms
Remote clock offset: -12.133 ms

Below is generated by plot.py at 2017-12-06 00:39:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 41.803 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 41.788 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 16.70 Mbit/s
95th percentile per-packet one-way delay: 41.956 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 34.458 ms
Loss rate: 0.25%

Run 5: Report of PCC — Data Link

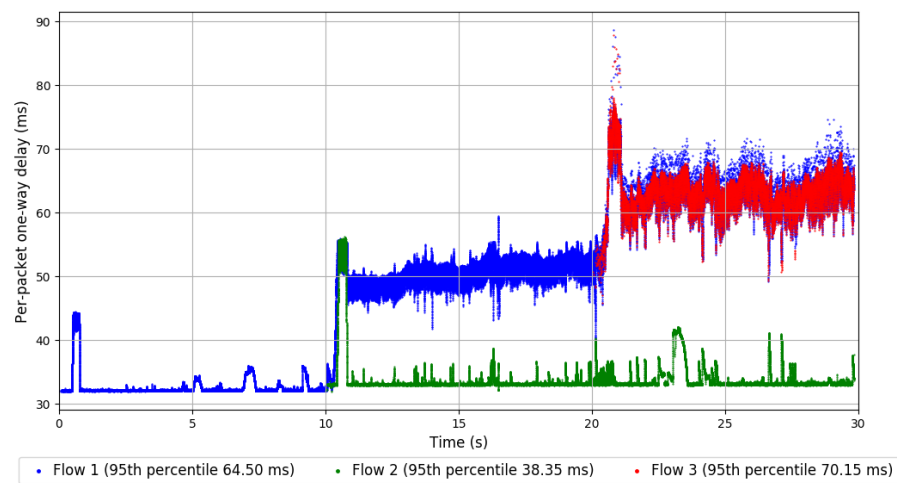
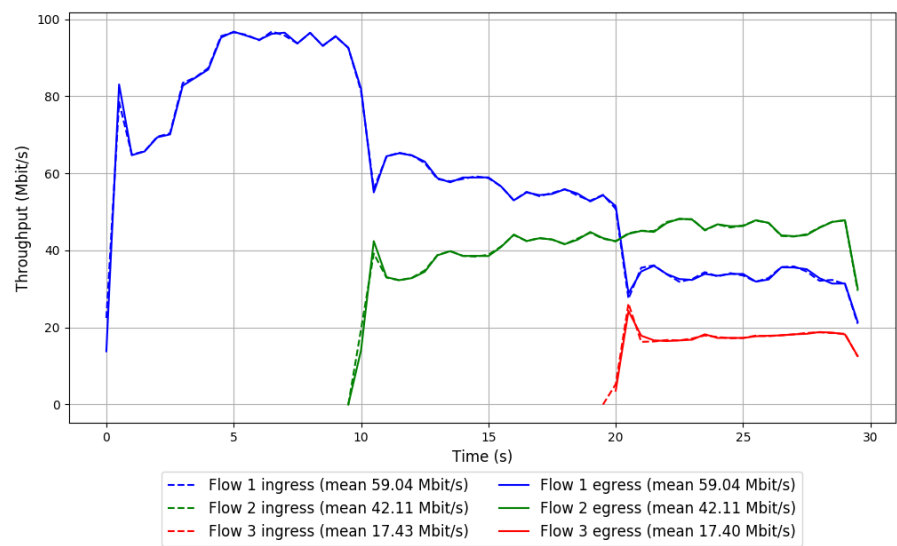


Run 6: Statistics of PCC

Start at: 2017-12-05 20:27:32
End at: 2017-12-05 20:28:02
Local clock offset: 5.993 ms
Remote clock offset: -13.105 ms

Below is generated by plot.py at 2017-12-06 00:39:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 64.478 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 64.500 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 42.11 Mbit/s
95th percentile per-packet one-way delay: 38.355 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 17.40 Mbit/s
95th percentile per-packet one-way delay: 70.146 ms
Loss rate: 0.68%

Run 6: Report of PCC — Data Link

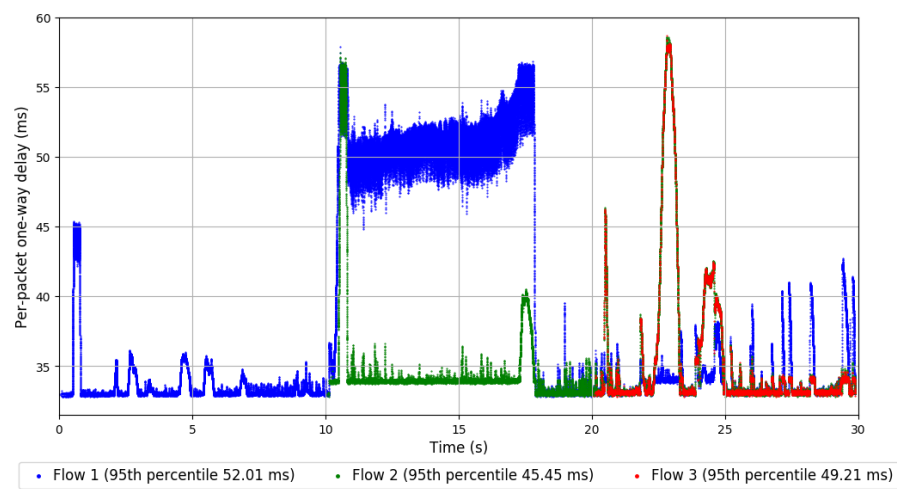
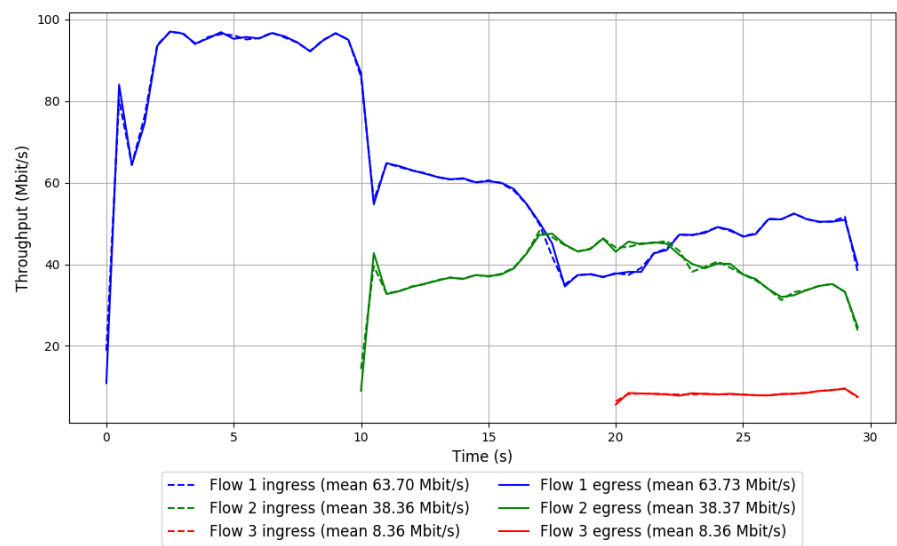


Run 7: Statistics of PCC

Start at: 2017-12-05 20:44:36
End at: 2017-12-05 20:45:06
Local clock offset: 6.36 ms
Remote clock offset: -12.563 ms

Below is generated by plot.py at 2017-12-06 00:40:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 51.891 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 52.014 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 45.451 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 49.214 ms
Loss rate: 0.29%

Run 7: Report of PCC — Data Link

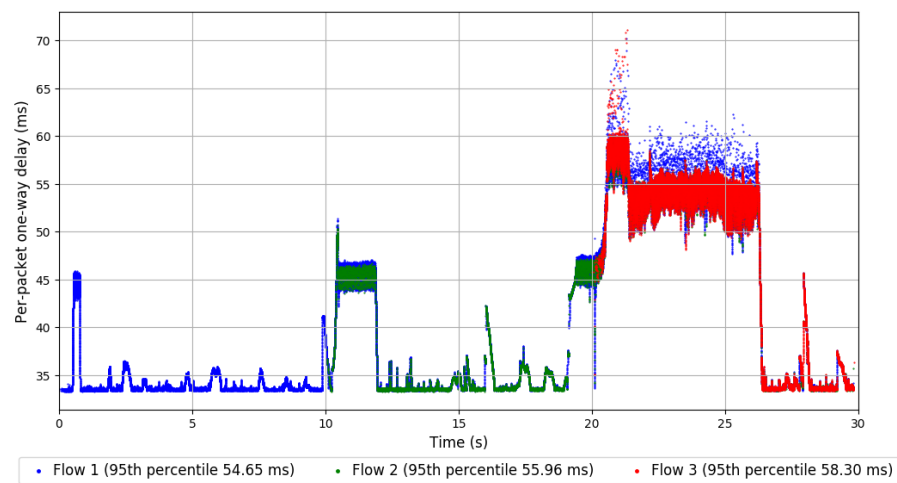
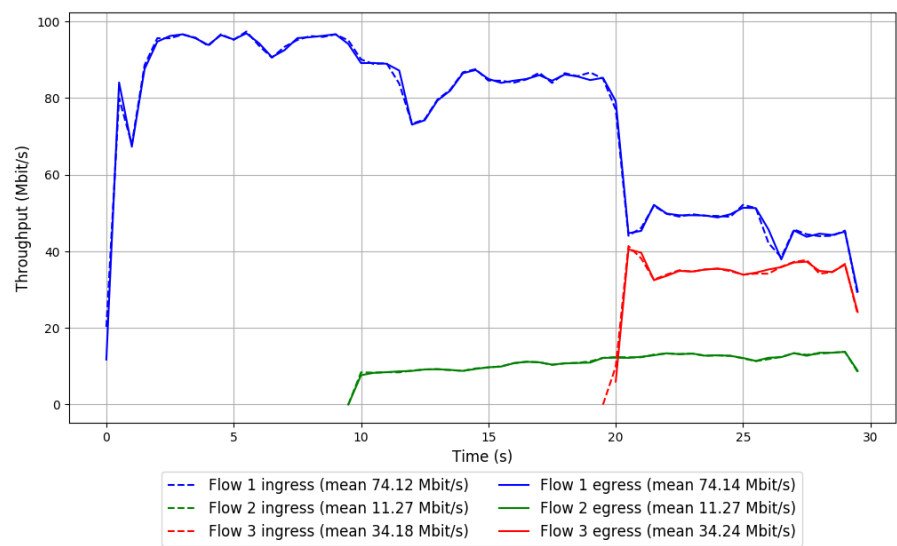


Run 8: Statistics of PCC

Start at: 2017-12-05 21:01:33
End at: 2017-12-05 21:02:03
Local clock offset: 5.881 ms
Remote clock offset: -12.723 ms

Below is generated by plot.py at 2017-12-06 00:40:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 55.413 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 54.645 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 55.961 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 58.298 ms
Loss rate: 0.28%

Run 8: Report of PCC — Data Link

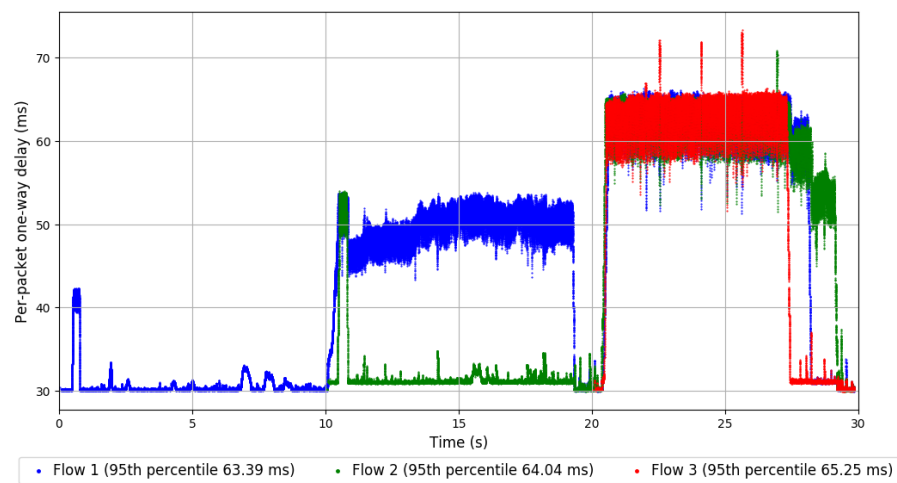
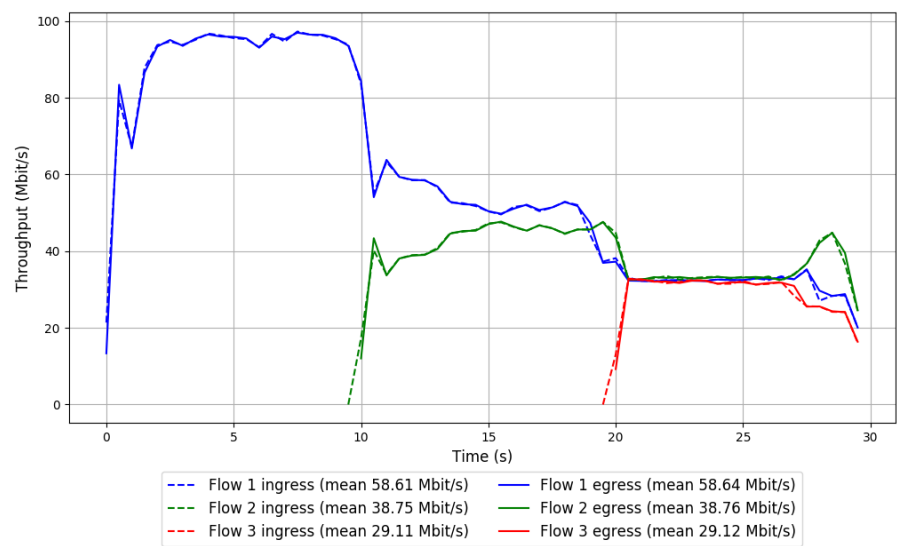


Run 9: Statistics of PCC

Start at: 2017-12-05 21:18:18
End at: 2017-12-05 21:18:48
Local clock offset: 3.68 ms
Remote clock offset: -11.668 ms

Below is generated by plot.py at 2017-12-06 00:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 64.196 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 63.389 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 64.039 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 65.254 ms
Loss rate: 0.21%

Run 9: Report of PCC — Data Link

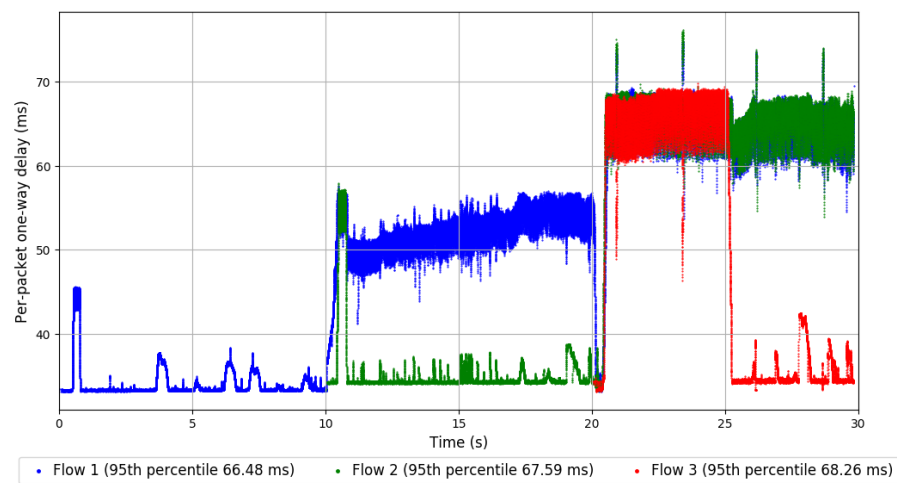
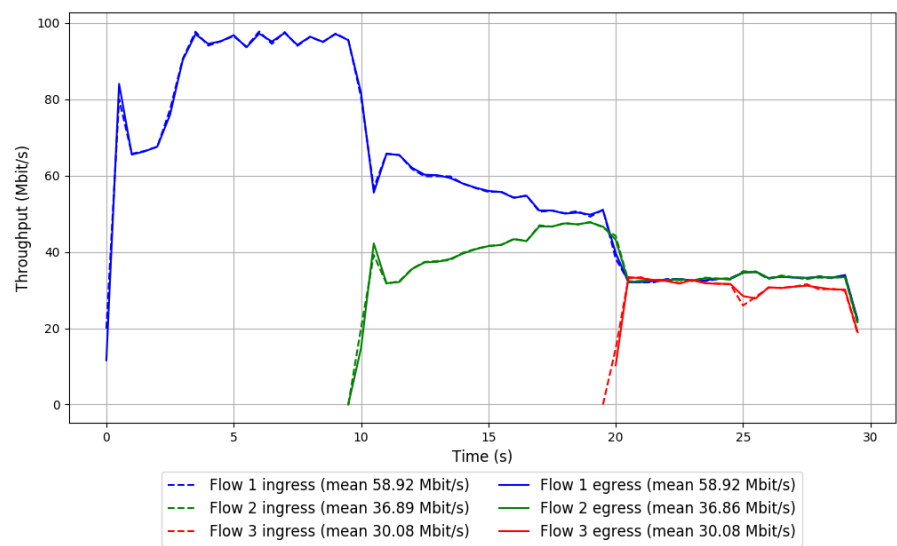


Run 10: Statistics of PCC

Start at: 2017-12-05 21:35:06
End at: 2017-12-05 21:35:36
Local clock offset: 6.581 ms
Remote clock offset: -11.759 ms

Below is generated by plot.py at 2017-12-06 00:40:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.37 Mbit/s
95th percentile per-packet one-way delay: 67.290 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 66.485 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.86 Mbit/s
95th percentile per-packet one-way delay: 67.592 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 68.262 ms
Loss rate: 0.27%

Run 10: Report of PCC — Data Link

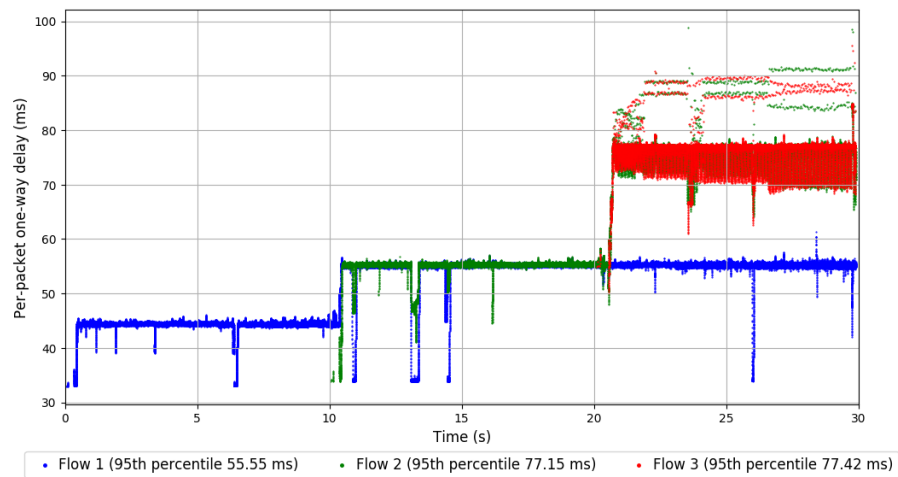
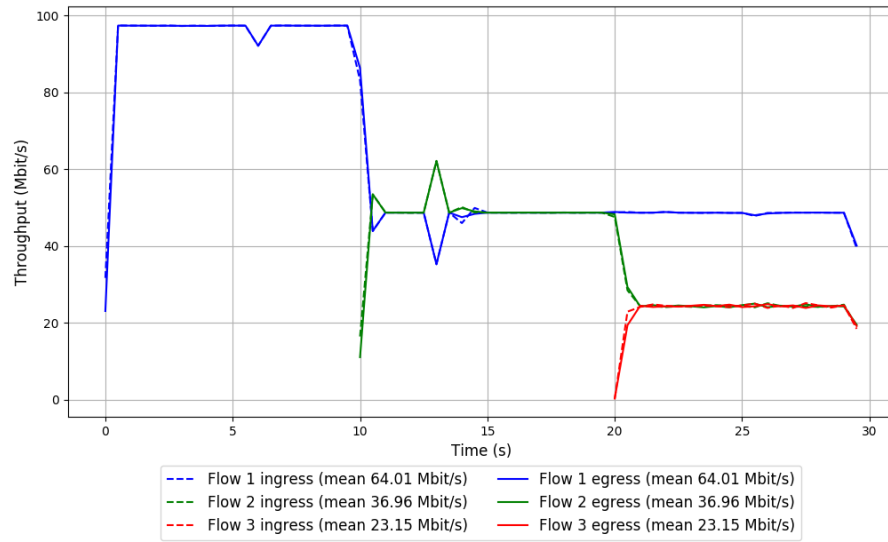


Run 1: Statistics of QUIC Cubic

Start at: 2017-12-05 19:05:21
End at: 2017-12-05 19:05:51
Local clock offset: 6.359 ms
Remote clock offset: -17.069 ms

Below is generated by plot.py at 2017-12-06 00:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 77.013 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 64.01 Mbit/s
95th percentile per-packet one-way delay: 55.551 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 77.154 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 77.424 ms
Loss rate: 0.68%

Run 1: Report of QUIC Cubic — Data Link

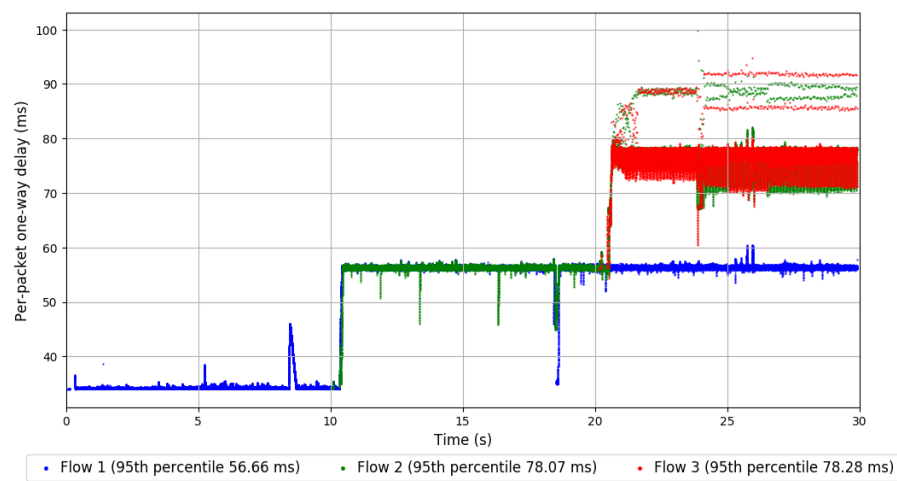
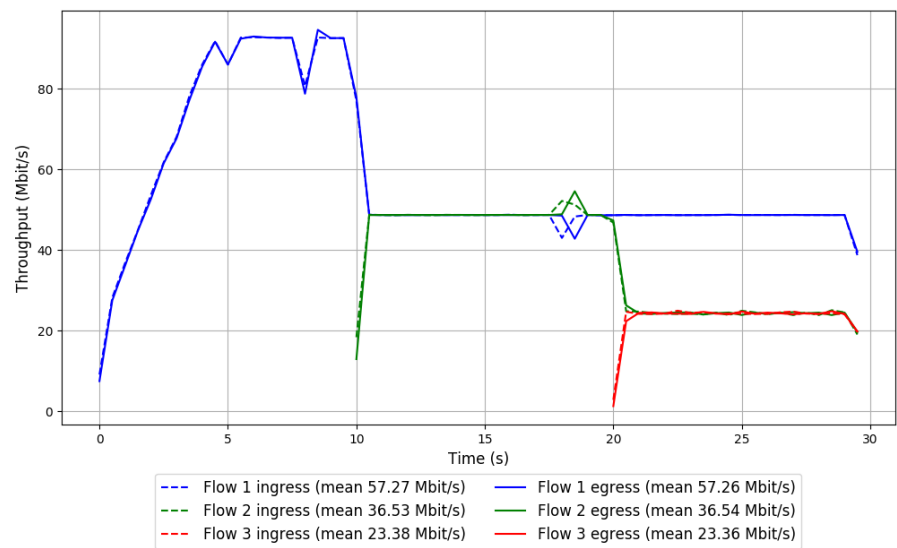


Run 2: Statistics of QUIC Cubic

Start at: 2017-12-05 19:23:13
End at: 2017-12-05 19:23:43
Local clock offset: 7.704 ms
Remote clock offset: -16.132 ms

Below is generated by plot.py at 2017-12-06 00:41:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 77.908 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 56.664 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 78.070 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 78.275 ms
Loss rate: 0.72%

Run 2: Report of QUIC Cubic — Data Link

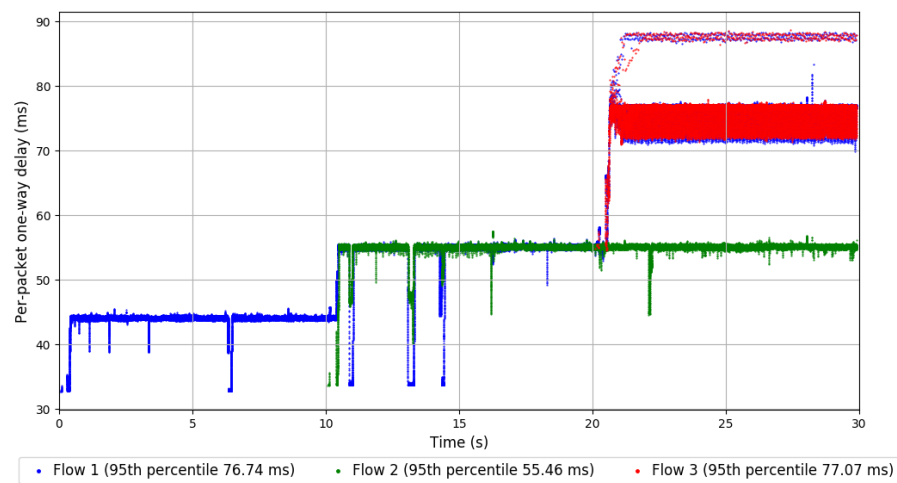
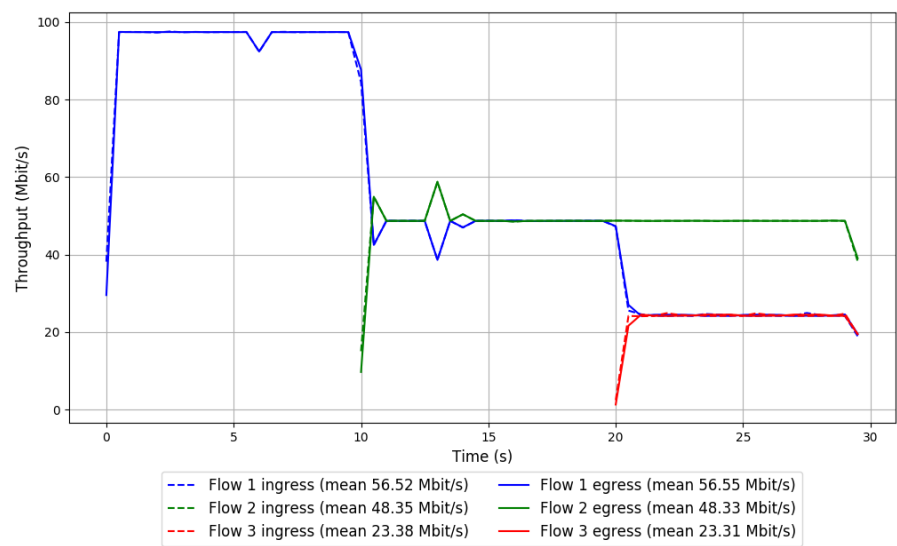


Run 3: Statistics of QUIC Cubic

Start at: 2017-12-05 19:40:26
End at: 2017-12-05 19:40:56
Local clock offset: 8.028 ms
Remote clock offset: -14.076 ms

Below is generated by plot.py at 2017-12-06 00:41:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 76.781 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 76.736 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 55.460 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 77.069 ms
Loss rate: 0.80%

Run 3: Report of QUIC Cubic — Data Link

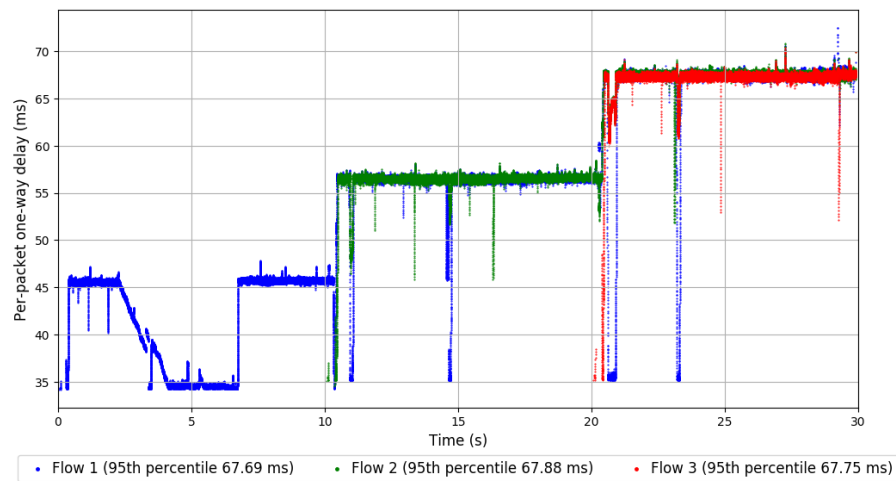
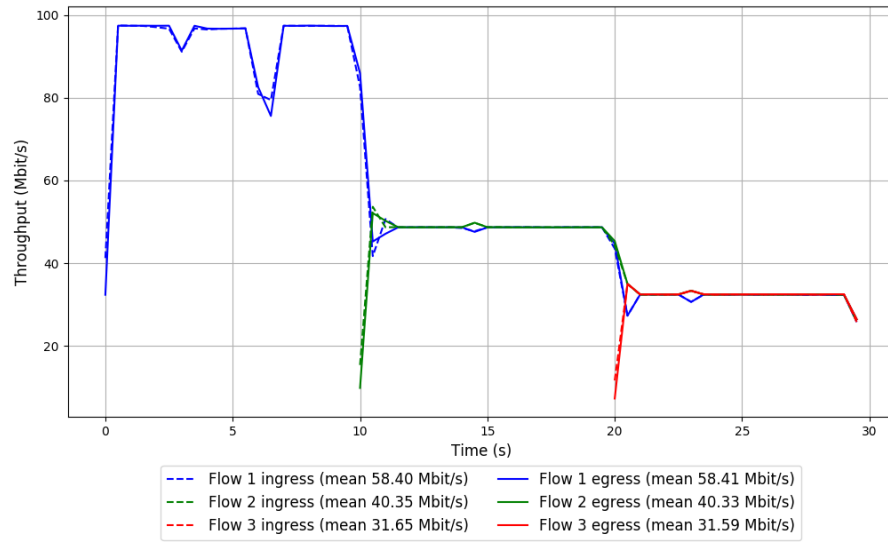


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-05 19:57:34
End at: 2017-12-05 19:58:04
Local clock offset: 10.087 ms
Remote clock offset: -12.98 ms

Below is generated by plot.py at 2017-12-06 00:41:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 67.788 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 67.685 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 67.878 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 67.746 ms
Loss rate: 0.59%

Run 4: Report of QUIC Cubic — Data Link

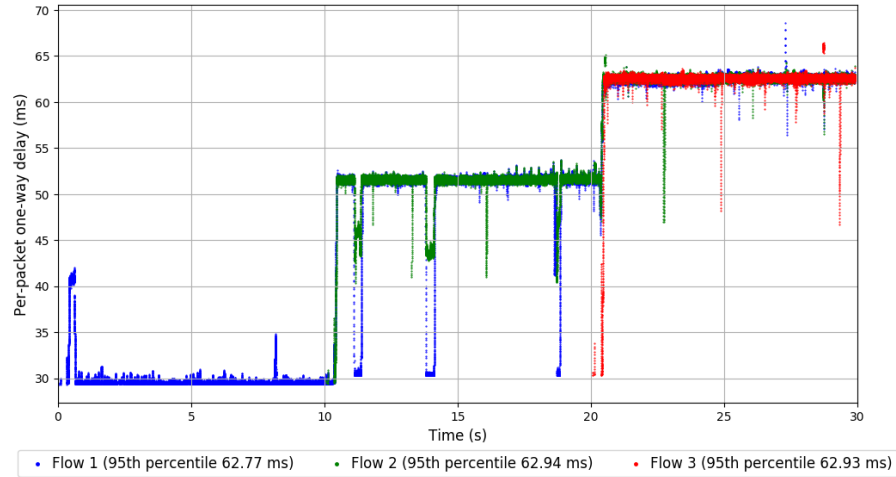
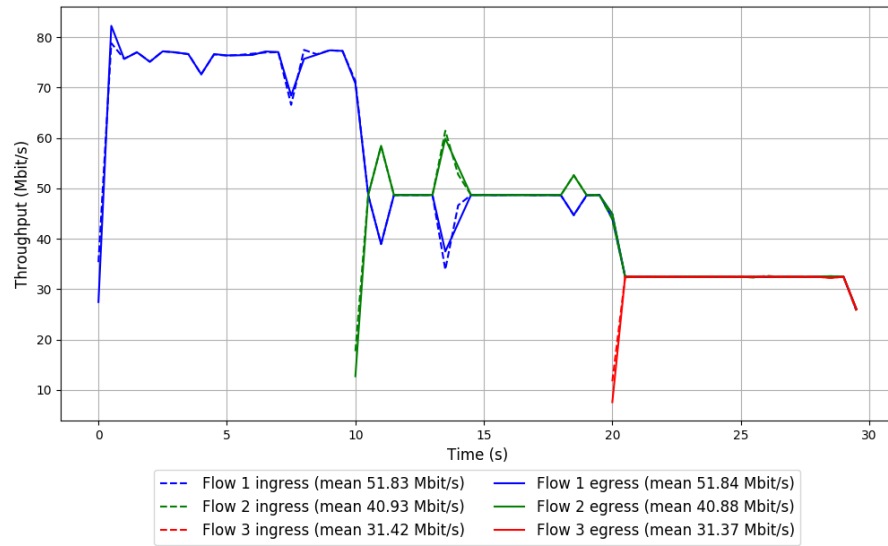


Run 5: Statistics of QUIC Cubic

Start at: 2017-12-05 20:14:26
End at: 2017-12-05 20:14:56
Local clock offset: 3.307 ms
Remote clock offset: -13.733 ms

Below is generated by plot.py at 2017-12-06 00:41:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 62.898 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 62.775 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 62.944 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 62.933 ms
Loss rate: 0.60%

Run 5: Report of QUIC Cubic — Data Link

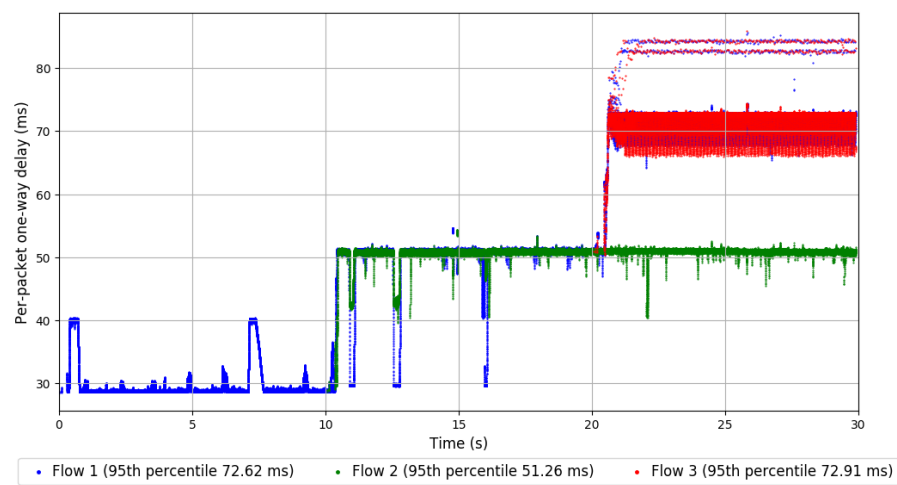
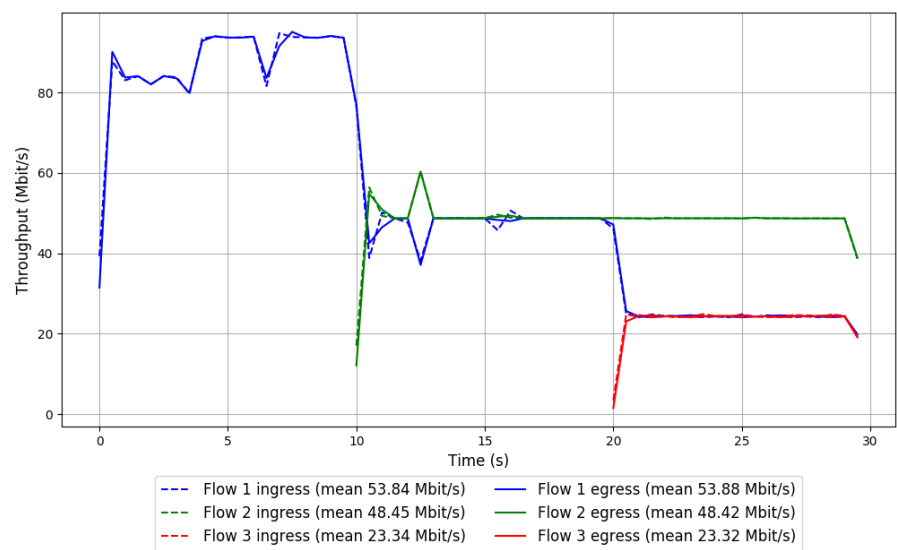


Run 6: Statistics of QUIC Cubic

Start at: 2017-12-05 20:31:14
End at: 2017-12-05 20:31:44
Local clock offset: 3.899 ms
Remote clock offset: -11.579 ms

Below is generated by plot.py at 2017-12-06 00:41:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 72.665 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 72.625 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 51.261 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.32 Mbit/s
95th percentile per-packet one-way delay: 72.914 ms
Loss rate: 0.77%

Run 6: Report of QUIC Cubic — Data Link

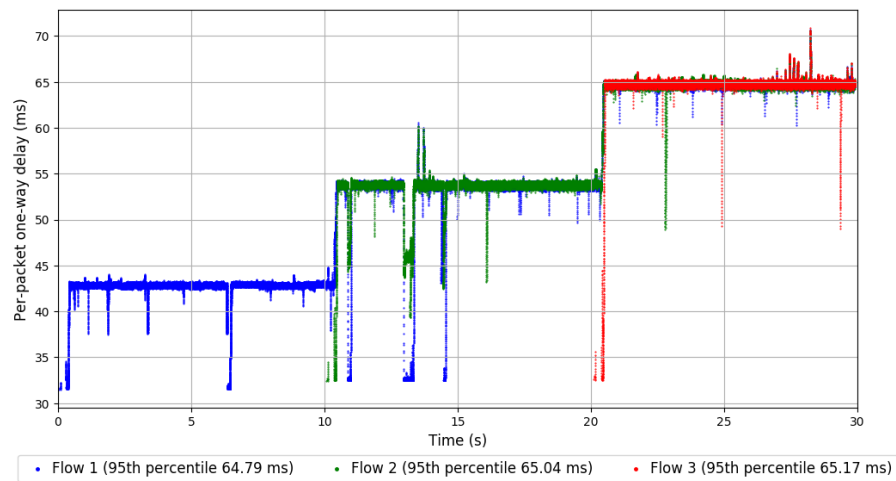
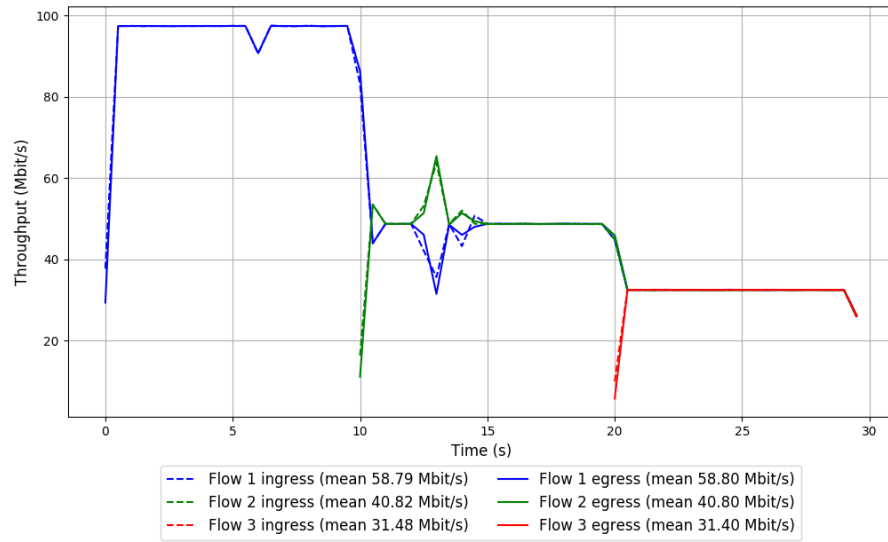


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-05 20:48:25
End at: 2017-12-05 20:48:55
Local clock offset: 4.866 ms
Remote clock offset: -12.356 ms

Below is generated by plot.py at 2017-12-06 00:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 65.030 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 64.786 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 65.037 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 65.168 ms
Loss rate: 0.62%

Run 7: Report of QUIC Cubic — Data Link

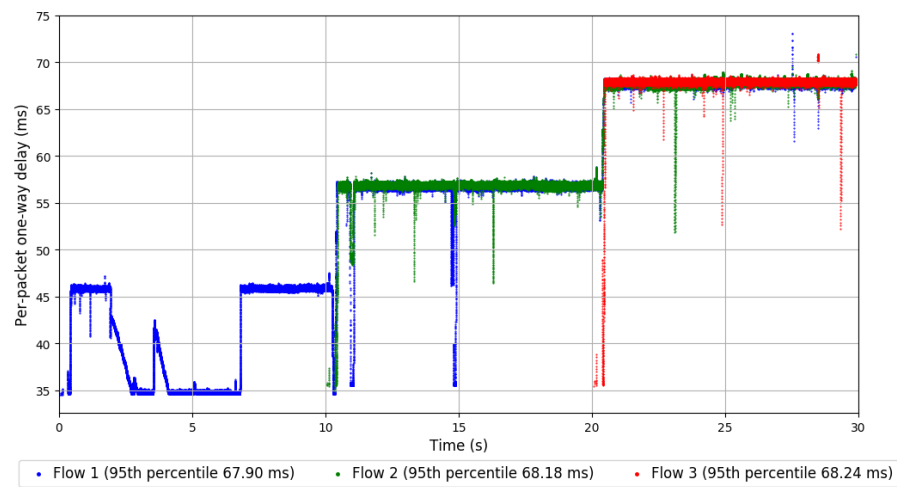
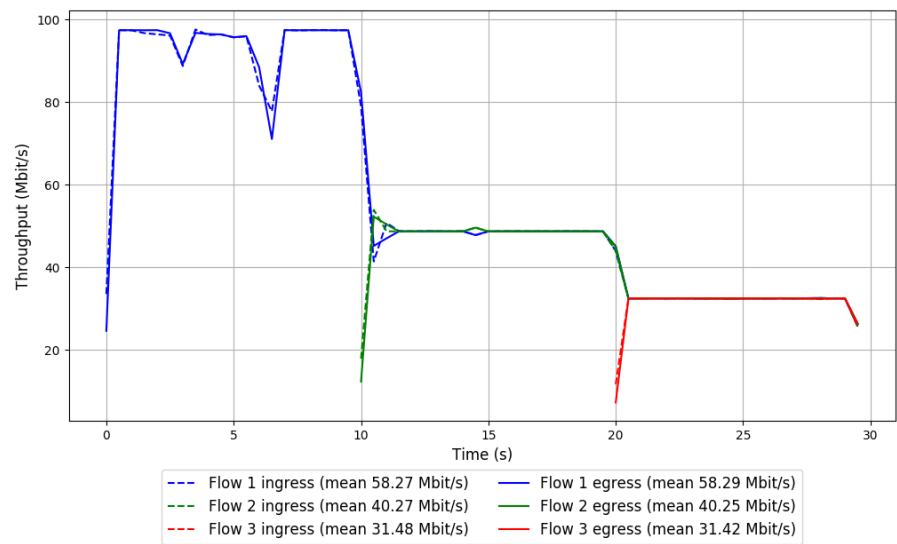


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-05 21:05:12
End at: 2017-12-05 21:05:42
Local clock offset: 7.482 ms
Remote clock offset: -11.969 ms

Below is generated by plot.py at 2017-12-06 00:41:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 68.110 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 67.898 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 68.180 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 68.241 ms
Loss rate: 0.60%

Run 8: Report of QUIC Cubic — Data Link

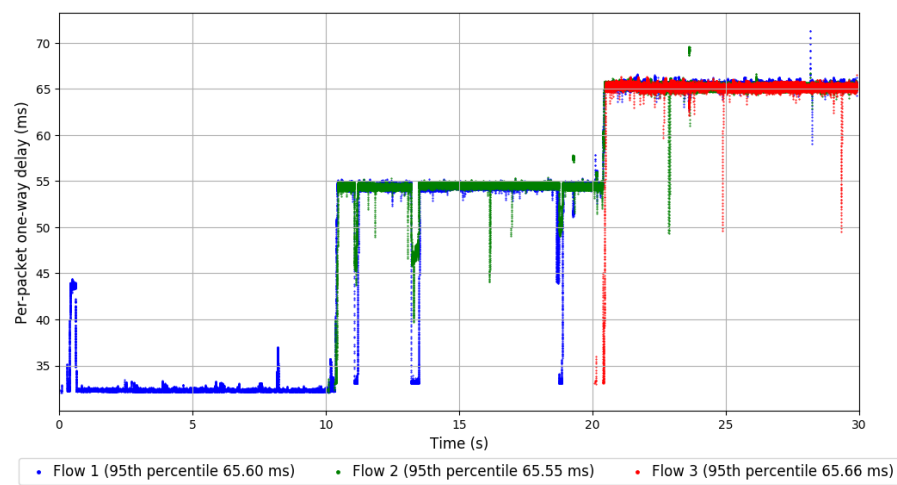
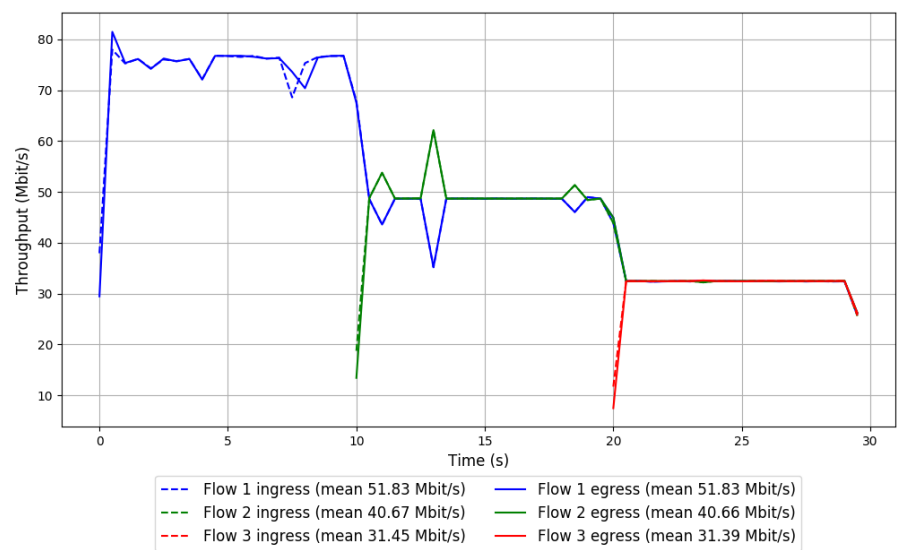


Run 9: Statistics of QUIC Cubic

Start at: 2017-12-05 21:21:55
End at: 2017-12-05 21:22:25
Local clock offset: 6.381 ms
Remote clock offset: -11.211 ms

Below is generated by plot.py at 2017-12-06 00:41:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.22 Mbit/s
95th percentile per-packet one-way delay: 65.592 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 51.83 Mbit/s
95th percentile per-packet one-way delay: 65.599 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 65.551 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 65.664 ms
Loss rate: 0.60%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-05 21:38:42

End at: 2017-12-05 21:39:12

Local clock offset: 4.822 ms

Remote clock offset: -11.622 ms

Below is generated by plot.py at 2017-12-06 00:42:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 75.479 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 56.27 Mbit/s

95th percentile per-packet one-way delay: 75.427 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.89 Mbit/s

95th percentile per-packet one-way delay: 75.642 ms

Loss rate: 0.20%

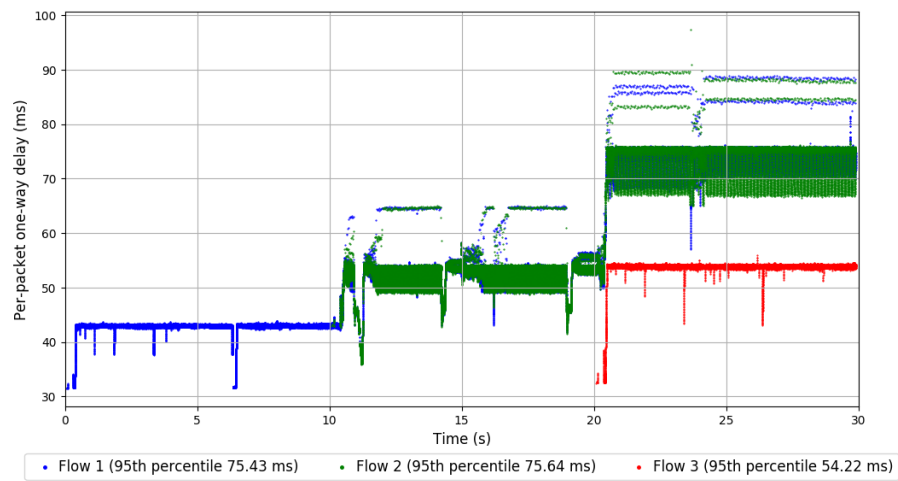
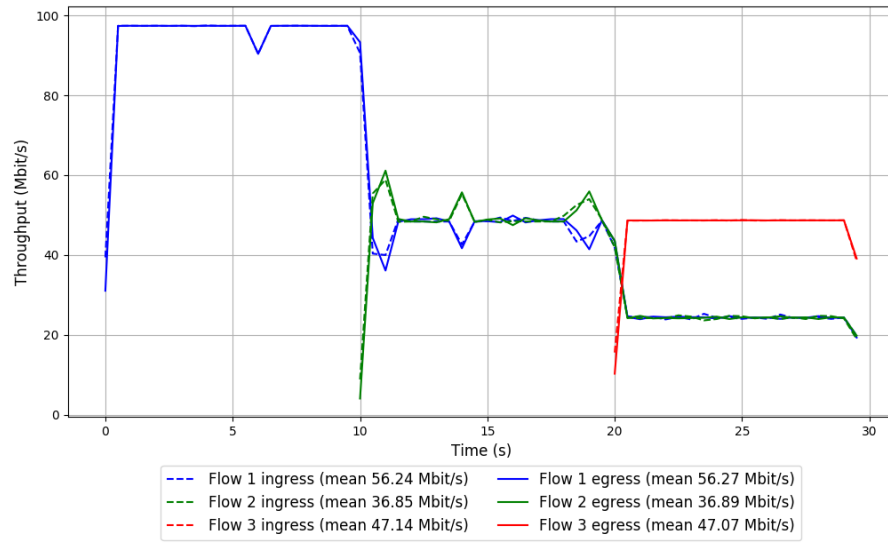
-- Flow 3:

Average throughput: 47.07 Mbit/s

95th percentile per-packet one-way delay: 54.215 ms

Loss rate: 0.50%

Run 10: Report of QUIC Cubic — Data Link

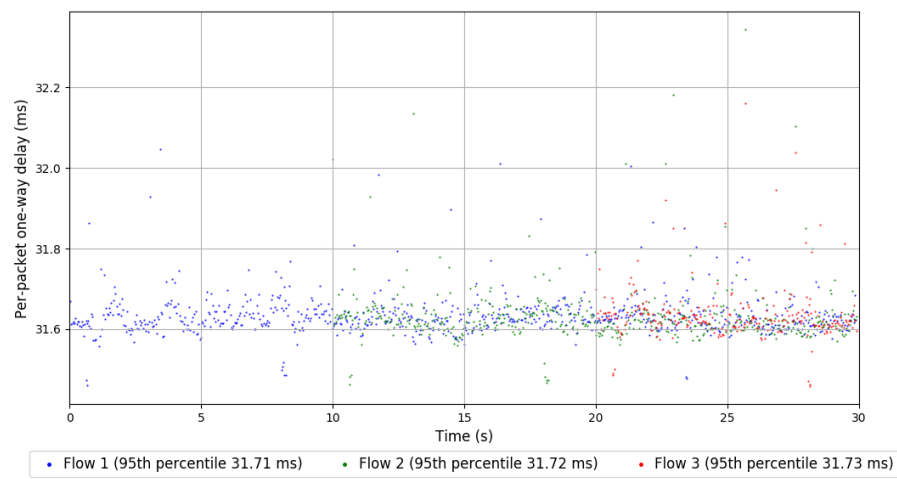
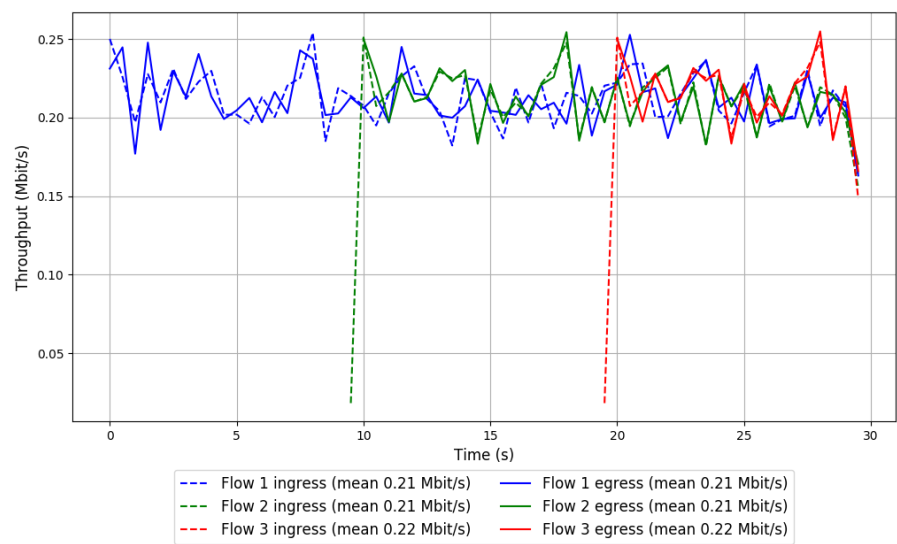


```
Run 1: Statistics of SCReAM

Start at: 2017-12-05 18:57:56
End at: 2017-12-05 18:58:26
Local clock offset: 6.486 ms
Remote clock offset: -16.113 ms

# Below is generated by plot.py at 2017-12-06 00:42:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.714 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.709 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.721 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.727 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

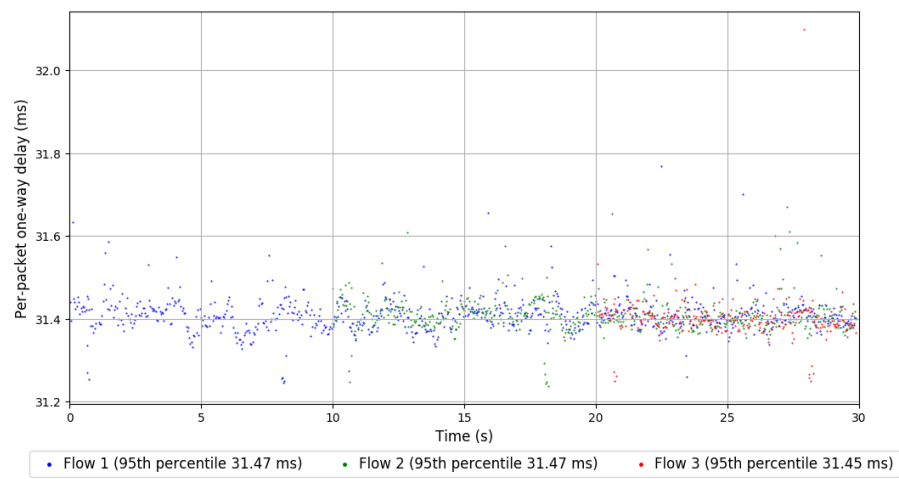
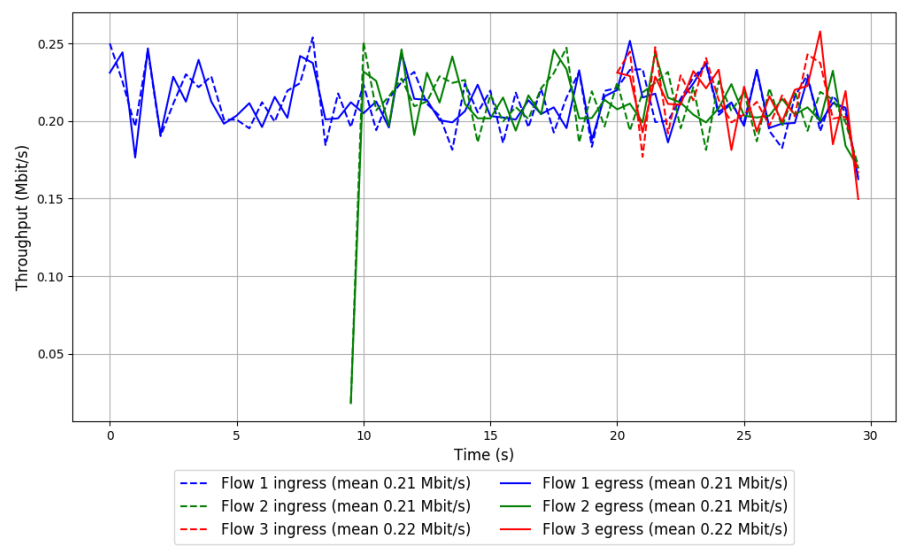


Run 2: Statistics of SReAM

Start at: 2017-12-05 19:15:24
End at: 2017-12-05 19:15:54
Local clock offset: 6.904 ms
Remote clock offset: -14.382 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.471 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.473 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.474 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.448 ms
Loss rate: 0.39%

Run 2: Report of SCReAM — Data Link

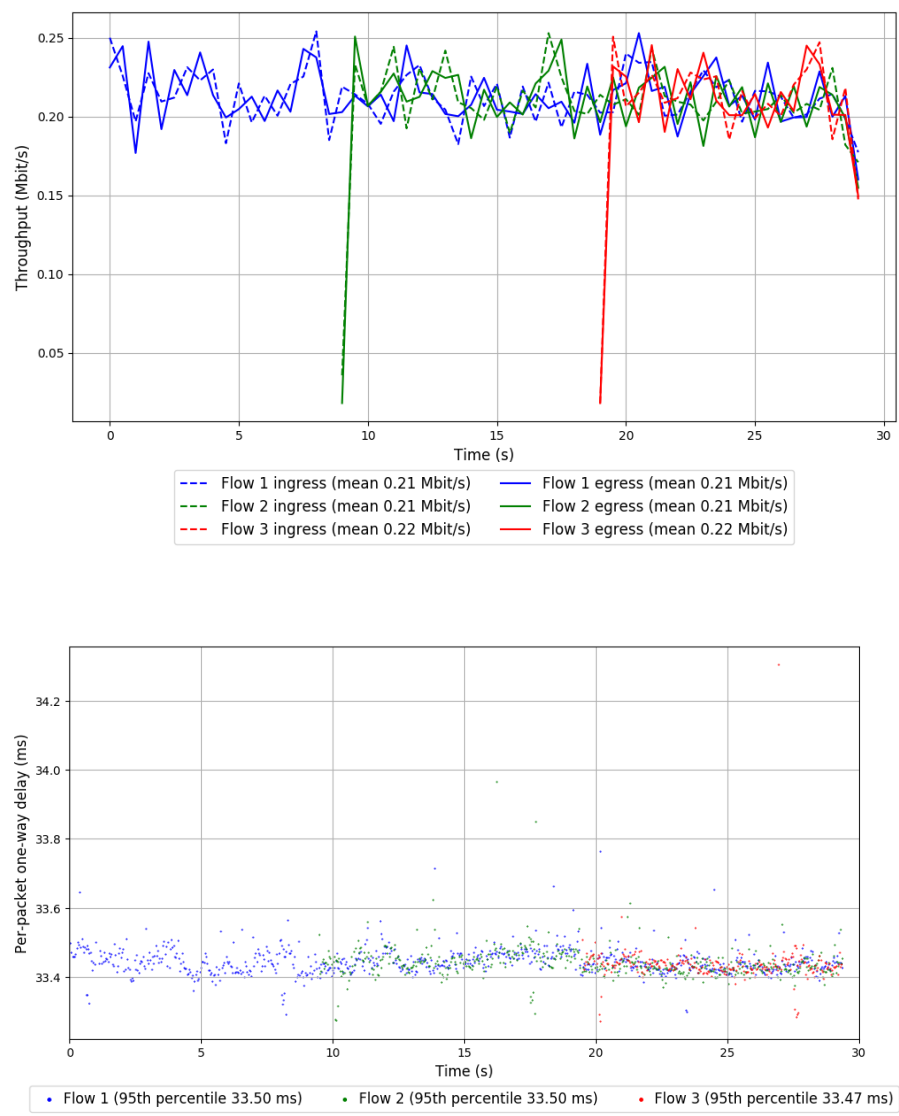


Run 3: Statistics of SReAM

Start at: 2017-12-05 19:32:52
End at: 2017-12-05 19:33:22
Local clock offset: 7.878 ms
Remote clock offset: -15.133 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.498 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.503 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.497 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.473 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

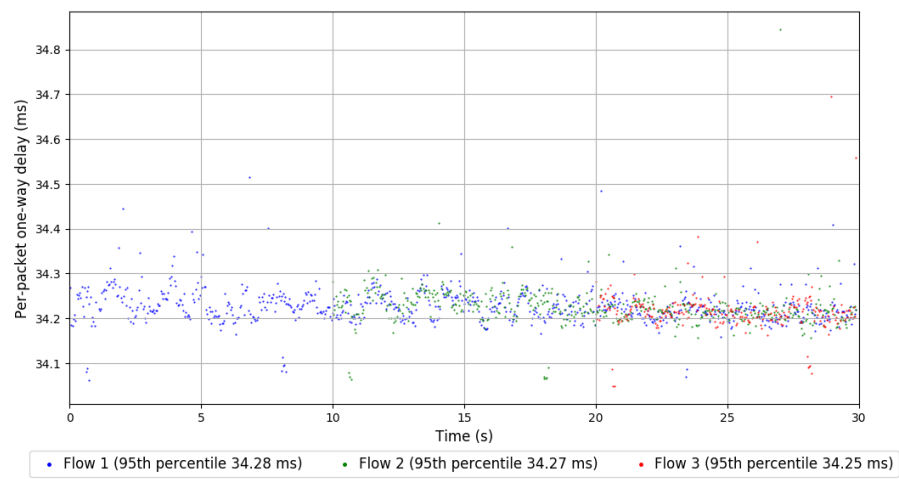
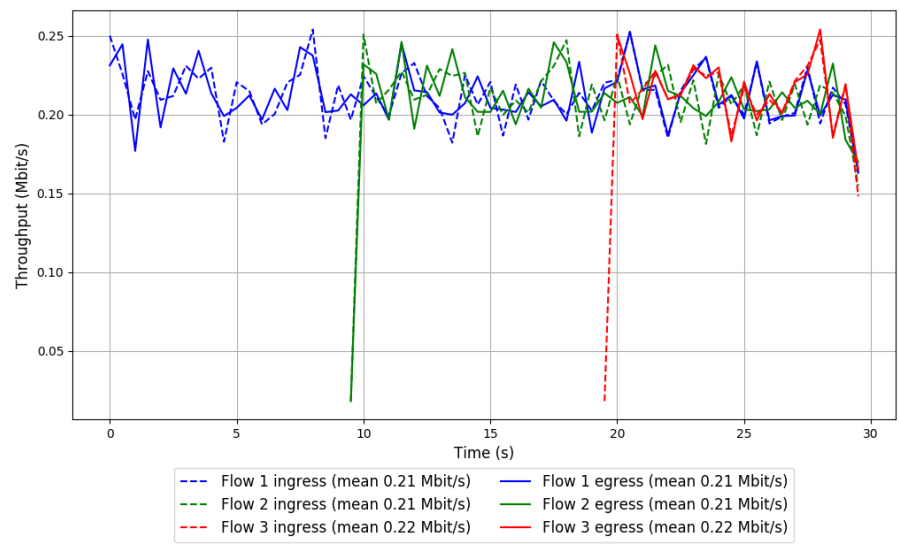


Run 4: Statistics of SReAM

Start at: 2017-12-05 19:50:07
End at: 2017-12-05 19:50:37
Local clock offset: 8.962 ms
Remote clock offset: -14.142 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.277 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.281 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.254 ms
Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link

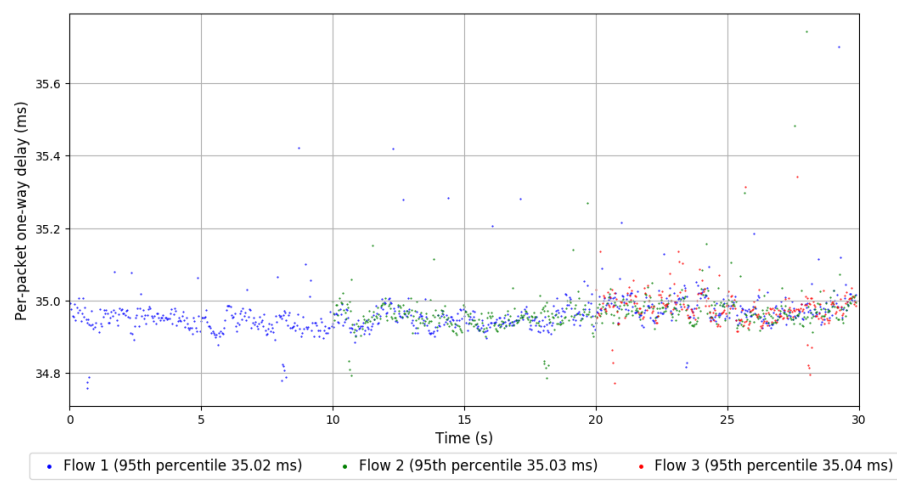
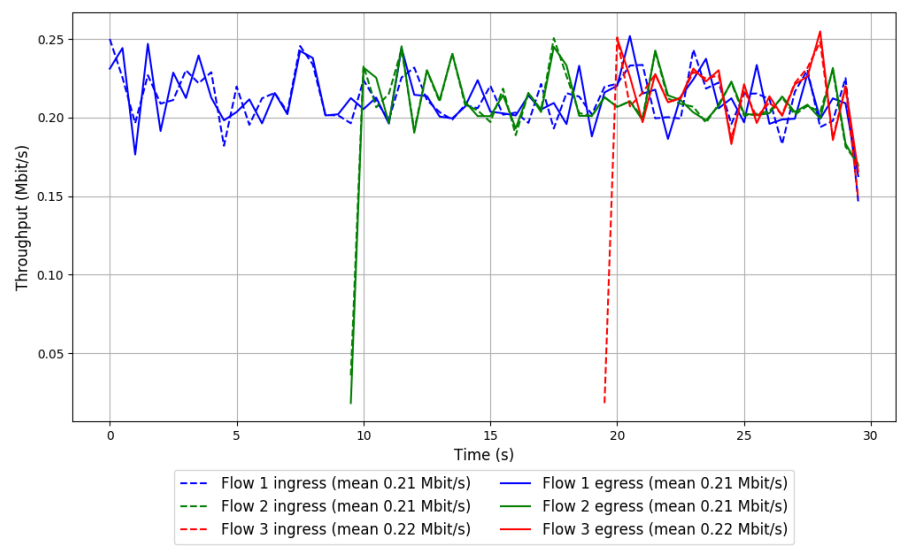


Run 5: Statistics of SReAM

Start at: 2017-12-05 20:07:17
End at: 2017-12-05 20:07:47
Local clock offset: 8.601 ms
Remote clock offset: -14.481 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 35.029 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.022 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 35.026 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 35.038 ms
Loss rate: 0.00%

Run 5: Report of SCSReAM — Data Link

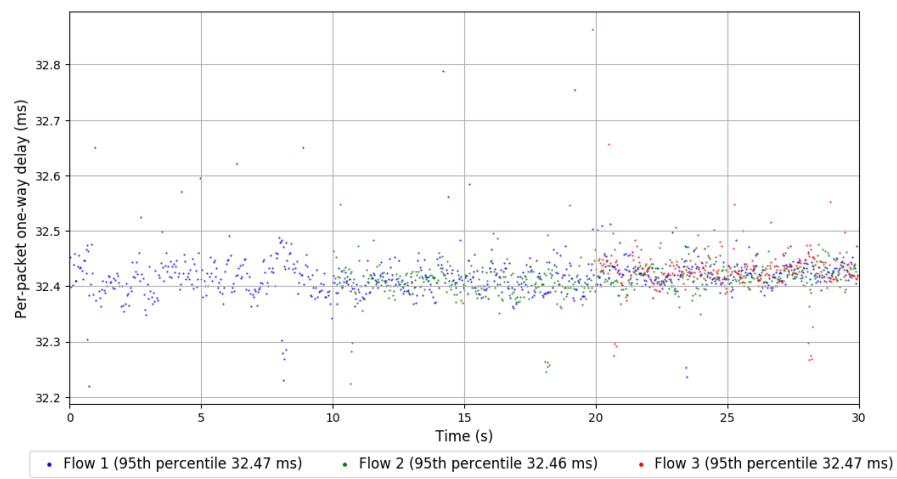
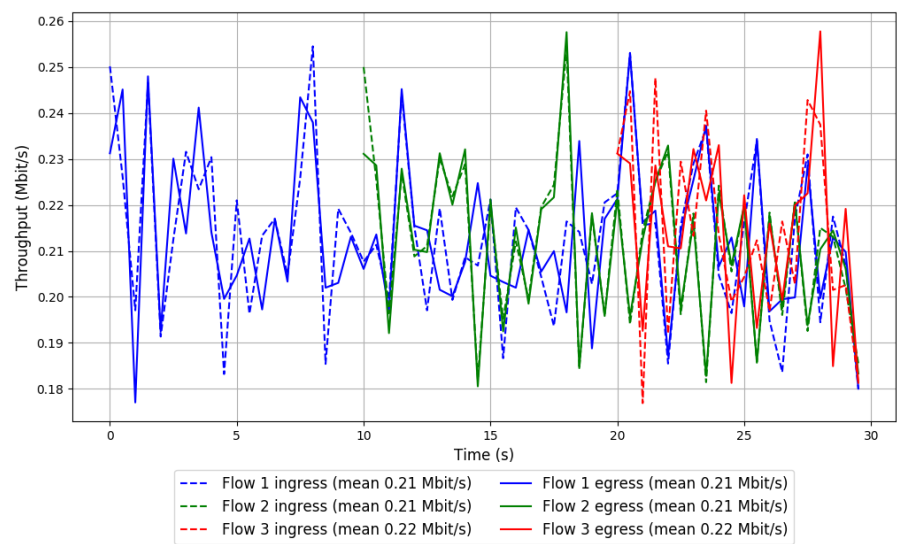


Run 6: Statistics of SReAM

Start at: 2017-12-05 20:23:58
End at: 2017-12-05 20:24:28
Local clock offset: 6.967 ms
Remote clock offset: -12.788 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.466 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.466 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.459 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.472 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

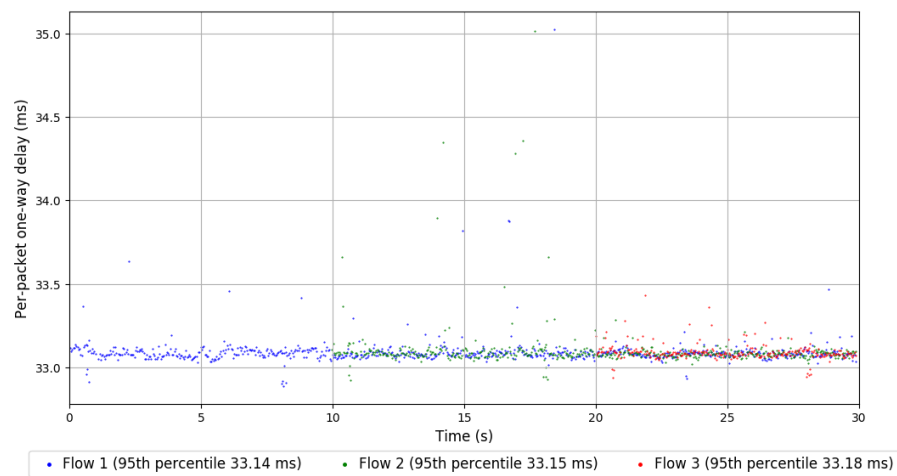
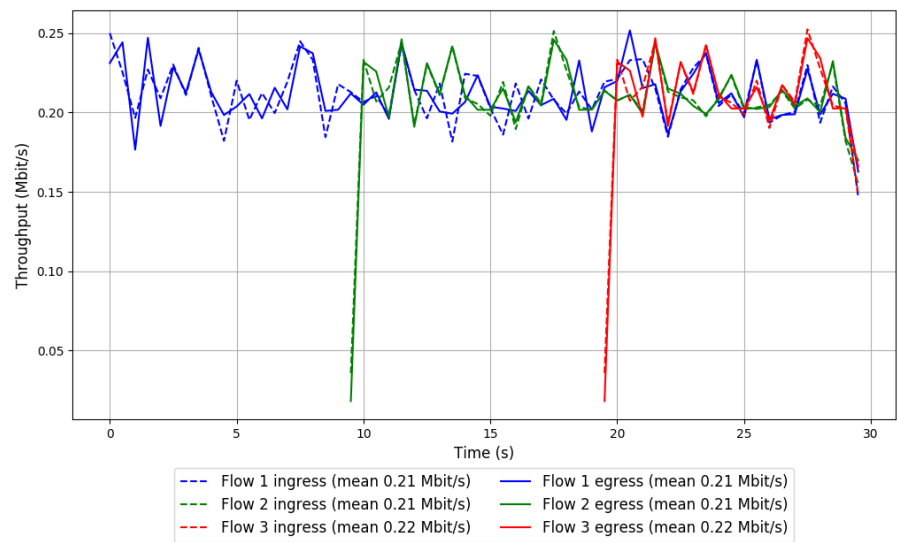


Run 7: Statistics of SReAM

Start at: 2017-12-05 20:40:58
End at: 2017-12-05 20:41:28
Local clock offset: 5.482 ms
Remote clock offset: -13.782 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.146 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.177 ms
Loss rate: 0.00%

Run 7: Report of SCRaM — Data Link

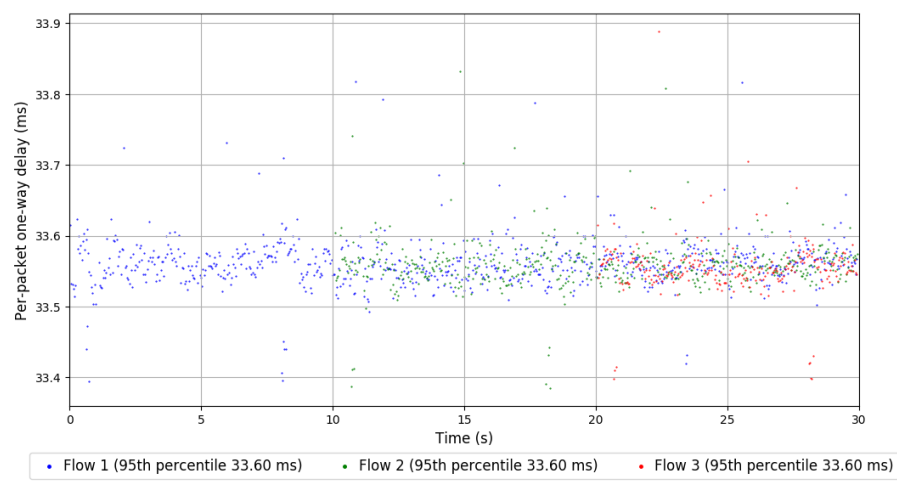
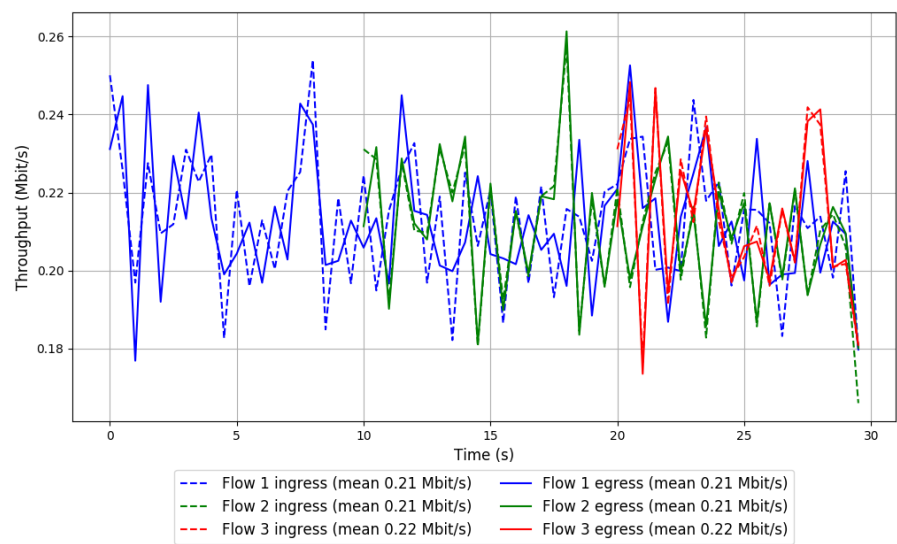


Run 8: Statistics of SReAM

Start at: 2017-12-05 20:58:09
End at: 2017-12-05 20:58:39
Local clock offset: 5.439 ms
Remote clock offset: -13.536 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.604 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.603 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.605 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.598 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

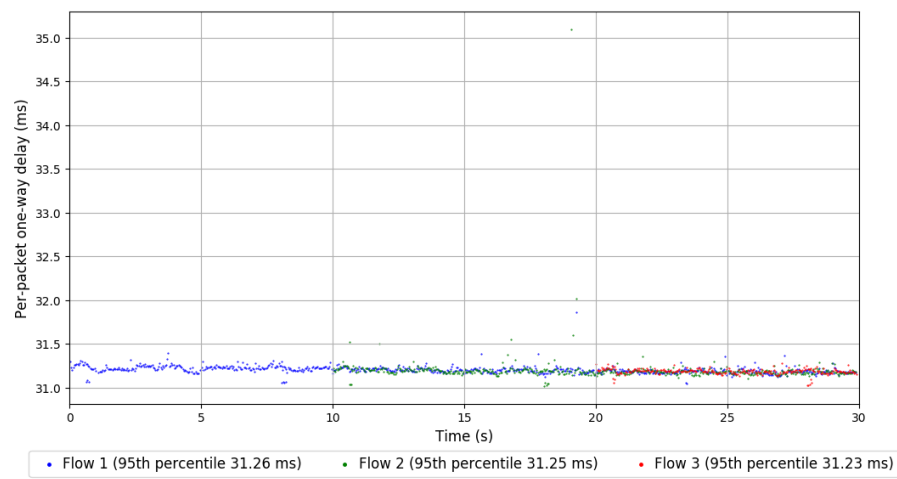
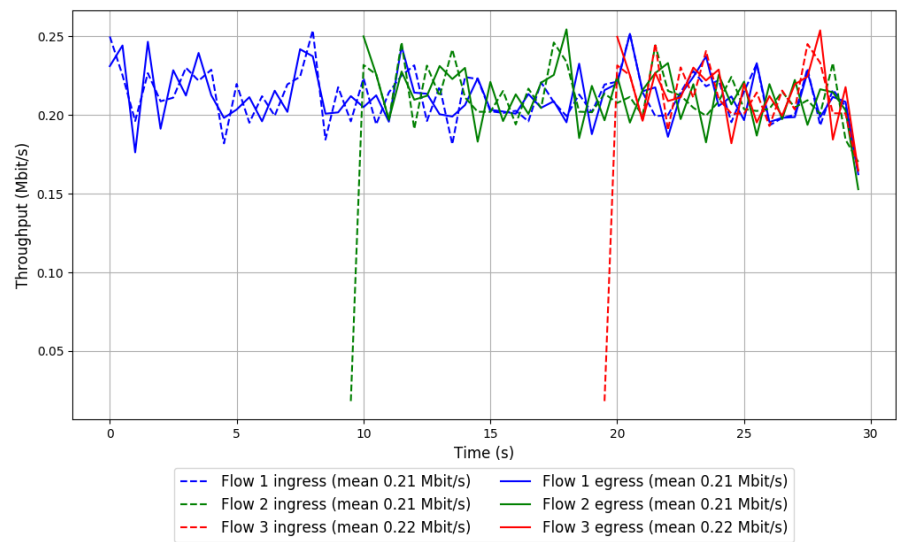


Run 9: Statistics of SReAM

Start at: 2017-12-05 21:14:42
End at: 2017-12-05 21:15:12
Local clock offset: 3.563 ms
Remote clock offset: -12.708 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 31.256 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.264 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.250 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.232 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-12-05 21:31:34

End at: 2017-12-05 21:32:04

Local clock offset: 7.594 ms

Remote clock offset: -11.4 ms

Below is generated by plot.py at 2017-12-06 00:42:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.820 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.825 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.816 ms

Loss rate: 0.00%

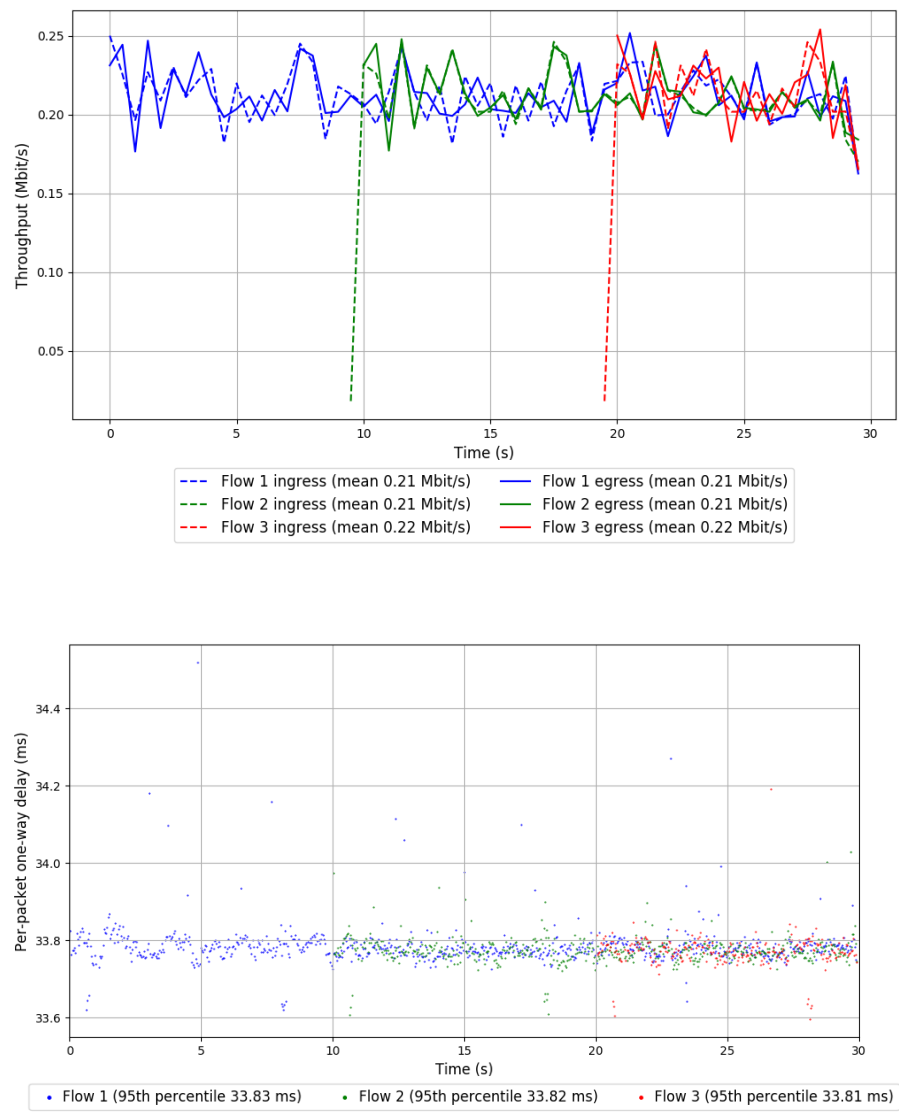
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.811 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

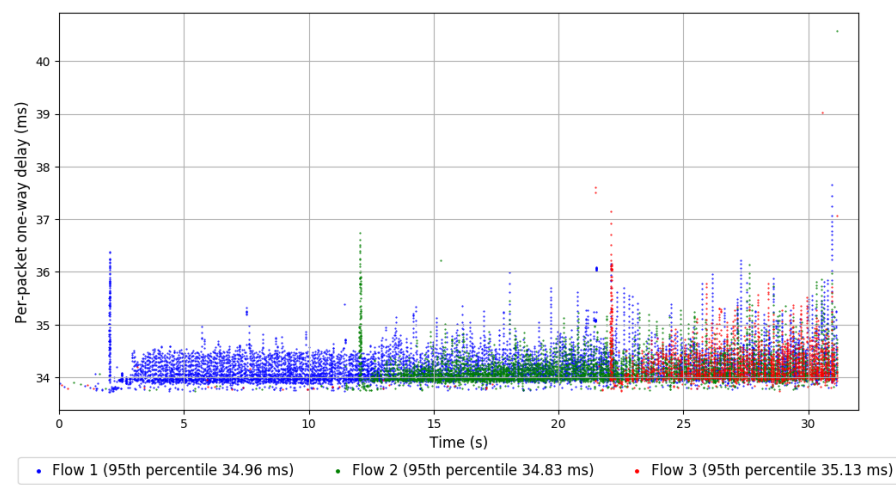
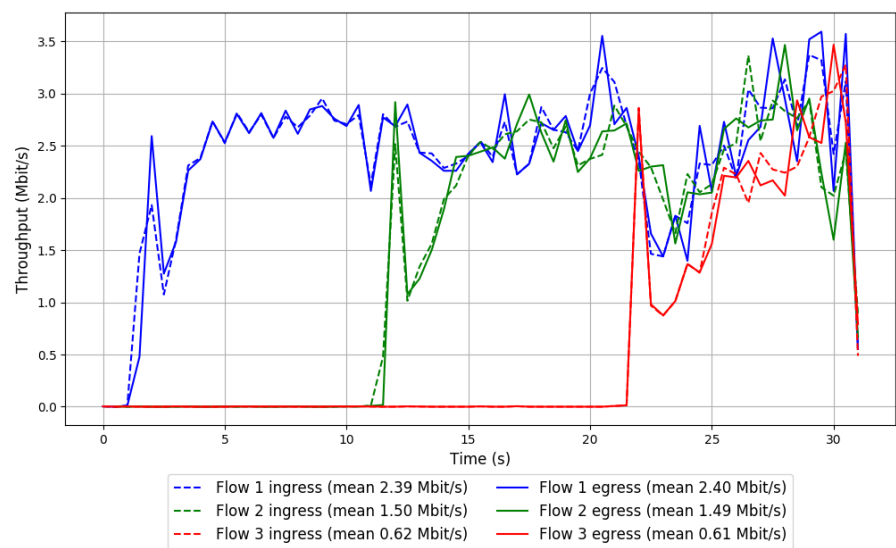


Run 1: Statistics of WebRTC media

Start at: 2017-12-05 19:09:24
End at: 2017-12-05 19:09:54
Local clock offset: 9.064 ms
Remote clock offset: -15.021 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 34.946 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 34.960 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 34.829 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 35.131 ms
Loss rate: 0.66%

Run 1: Report of WebRTC media — Data Link

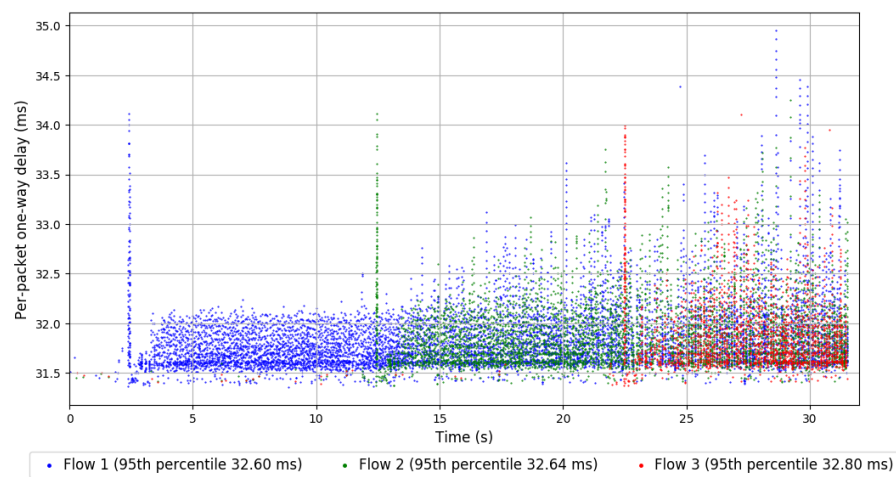
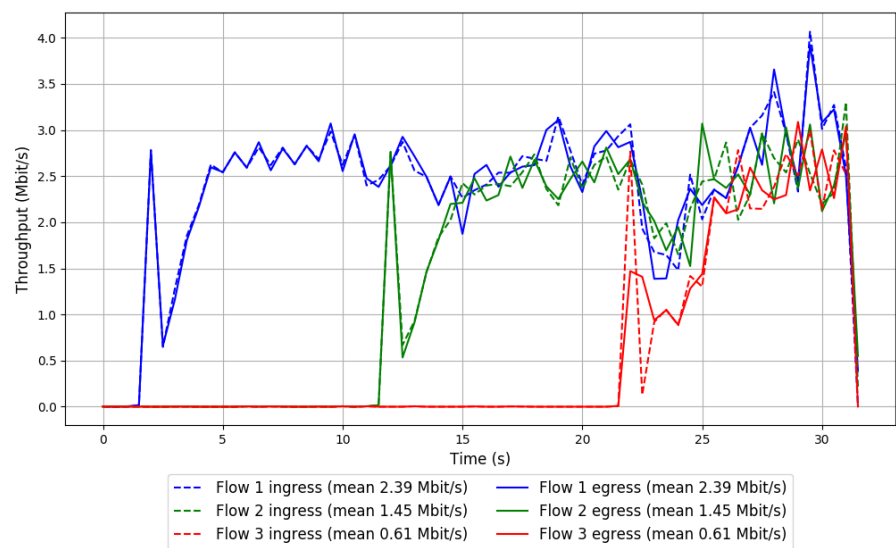


Run 2: Statistics of WebRTC media

Start at: 2017-12-05 19:27:01
End at: 2017-12-05 19:27:31
Local clock offset: 6.694 ms
Remote clock offset: -14.567 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 32.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 32.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 32.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 32.803 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

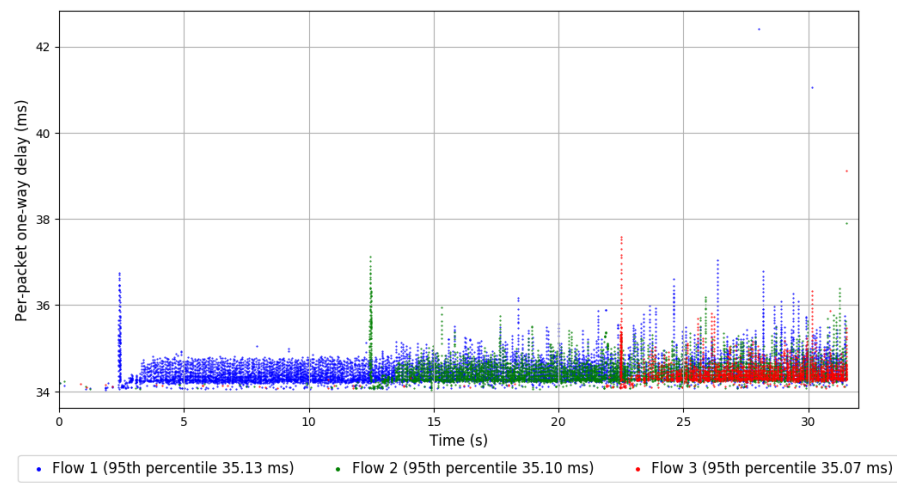
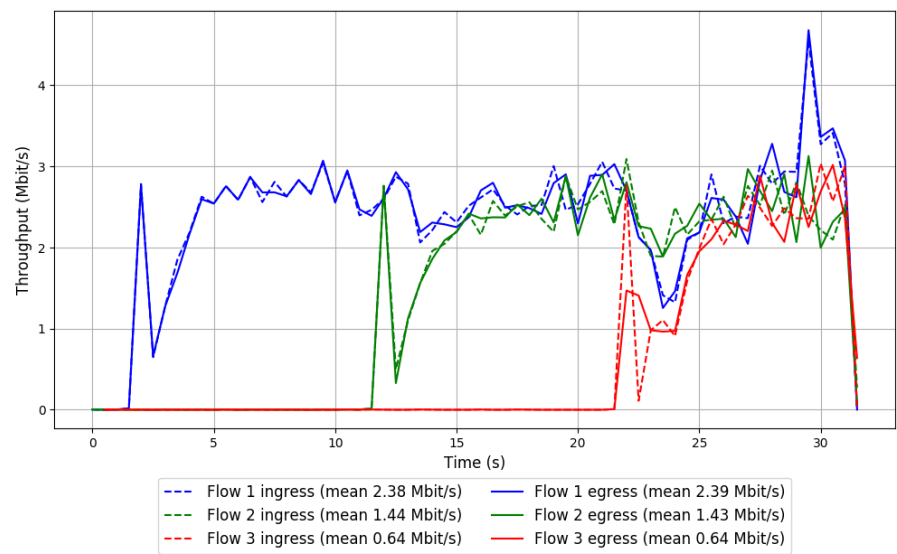


Run 3: Statistics of WebRTC media

Start at: 2017-12-05 19:44:12
End at: 2017-12-05 19:44:42
Local clock offset: 8.834 ms
Remote clock offset: -14.48 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 35.114 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 35.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 35.098 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 35.070 ms
Loss rate: 0.05%

Run 3: Report of WebRTC media — Data Link

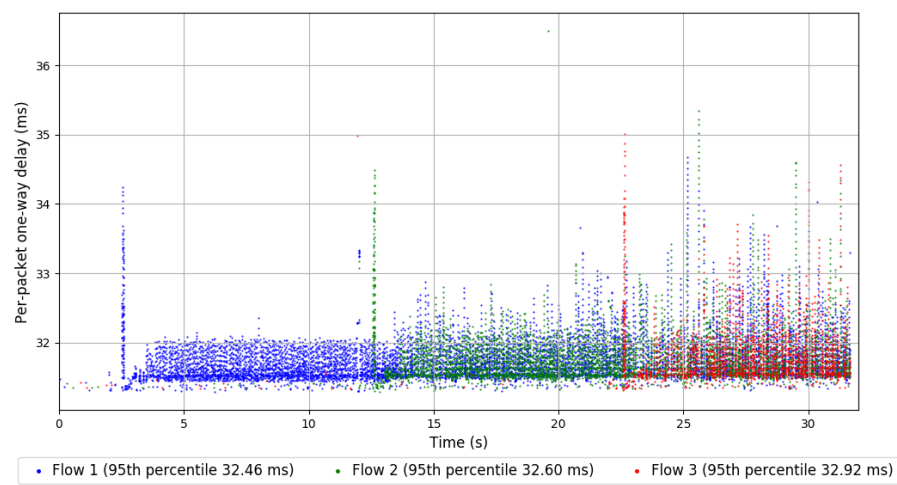
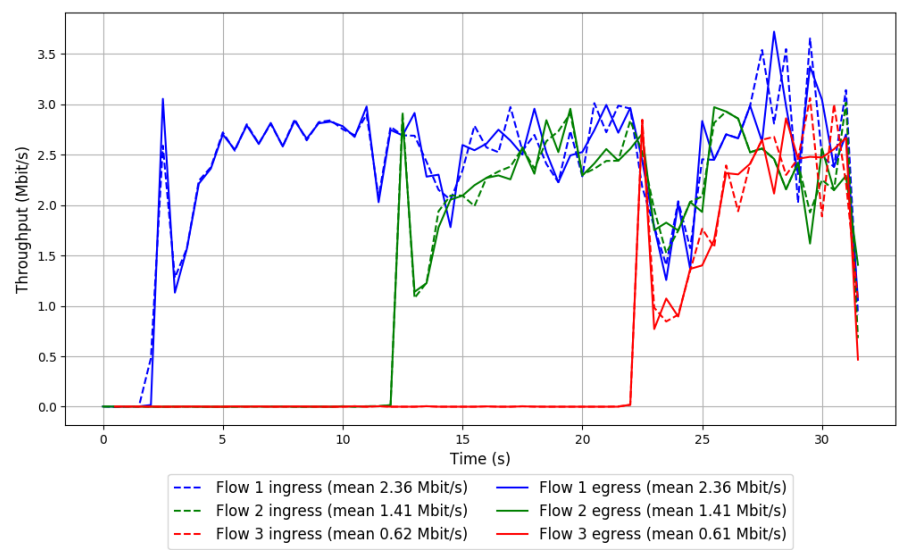


Run 4: Statistics of WebRTC media

Start at: 2017-12-05 20:01:21
End at: 2017-12-05 20:01:51
Local clock offset: 6.175 ms
Remote clock offset: -13.929 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 32.566 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 32.456 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 32.599 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 32.917 ms
Loss rate: 1.54%

Run 4: Report of WebRTC media — Data Link

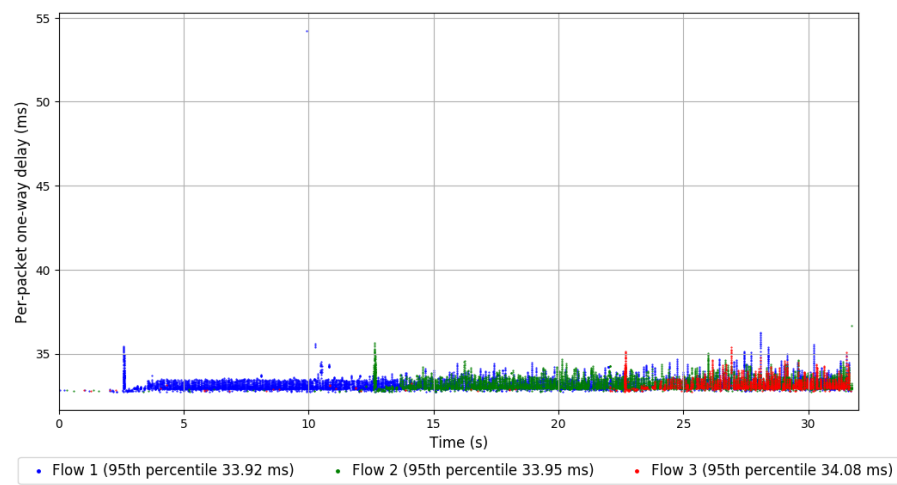
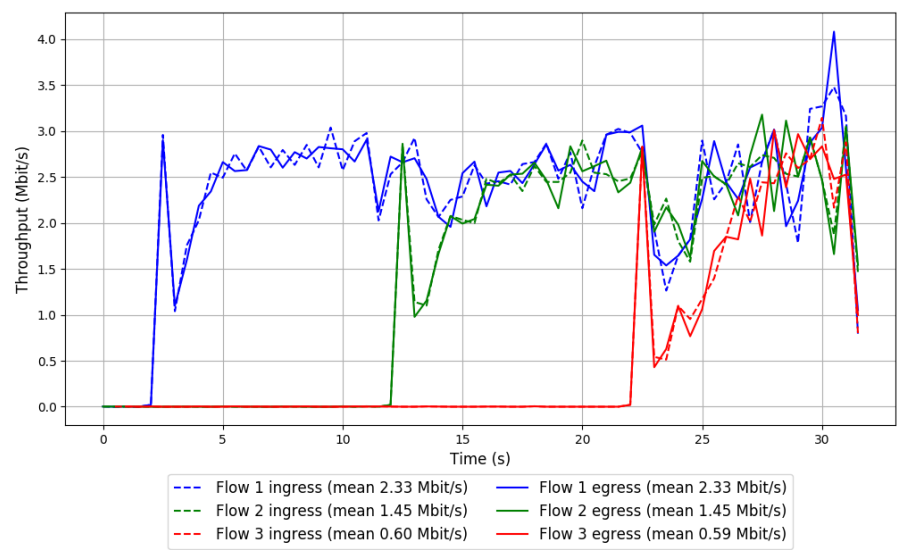


Run 5: Statistics of WebRTC media

Start at: 2017-12-05 20:18:11
End at: 2017-12-05 20:18:41
Local clock offset: 7.302 ms
Remote clock offset: -13.207 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 33.963 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 33.916 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 33.955 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 34.078 ms
Loss rate: 0.42%

Run 5: Report of WebRTC media — Data Link

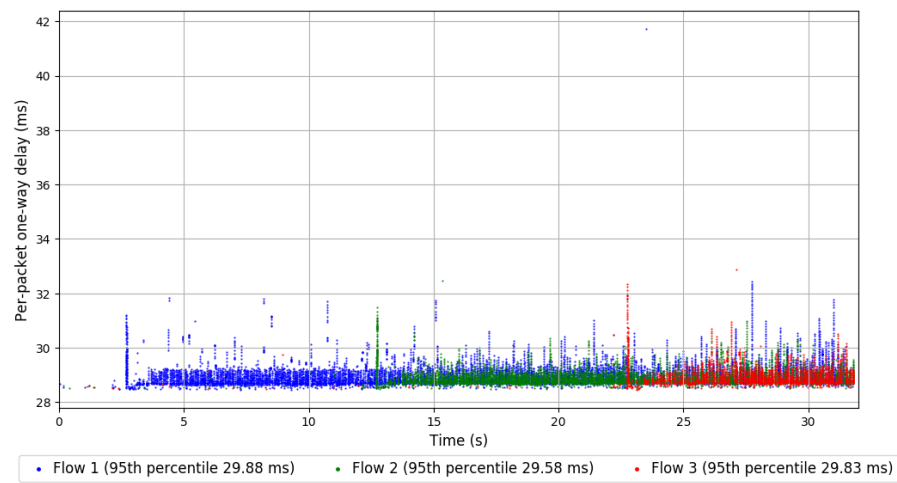
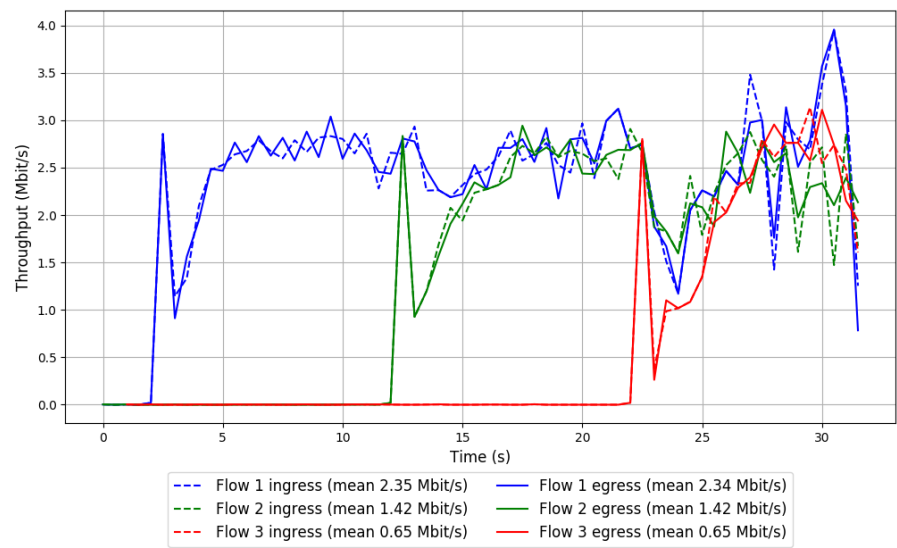


Run 6: Statistics of WebRTC media

Start at: 2017-12-05 20:35:00
End at: 2017-12-05 20:35:31
Local clock offset: 3.179 ms
Remote clock offset: -12.011 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 29.783 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 29.877 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 29.581 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 29.827 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

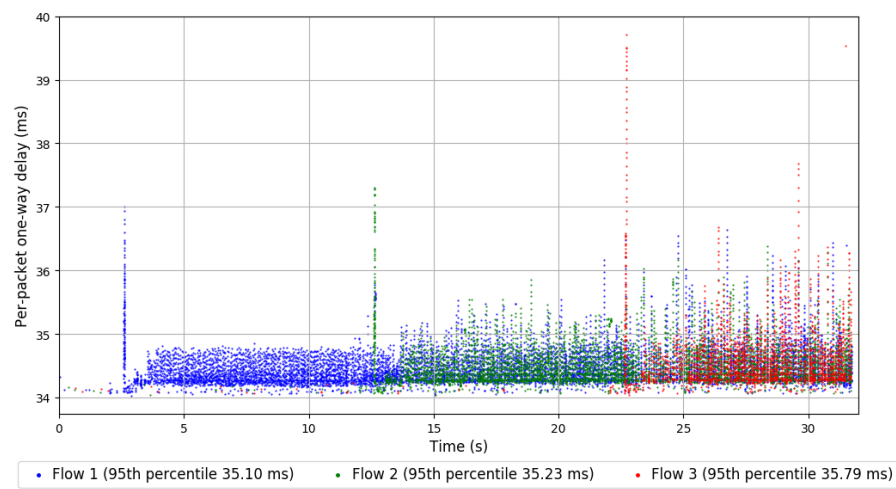
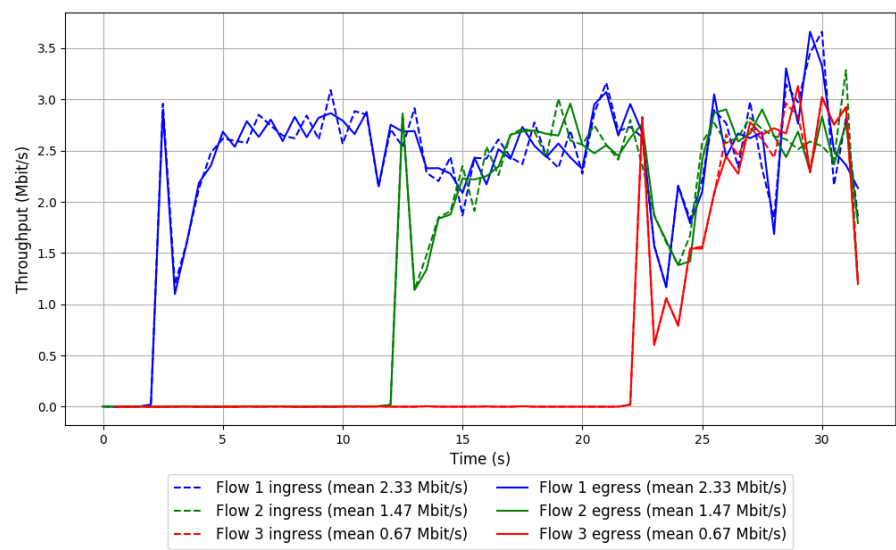


Run 7: Statistics of WebRTC media

Start at: 2017-12-05 20:52:16
End at: 2017-12-05 20:52:46
Local clock offset: 7.675 ms
Remote clock offset: -12.107 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 35.244 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 35.102 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 35.230 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 35.794 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

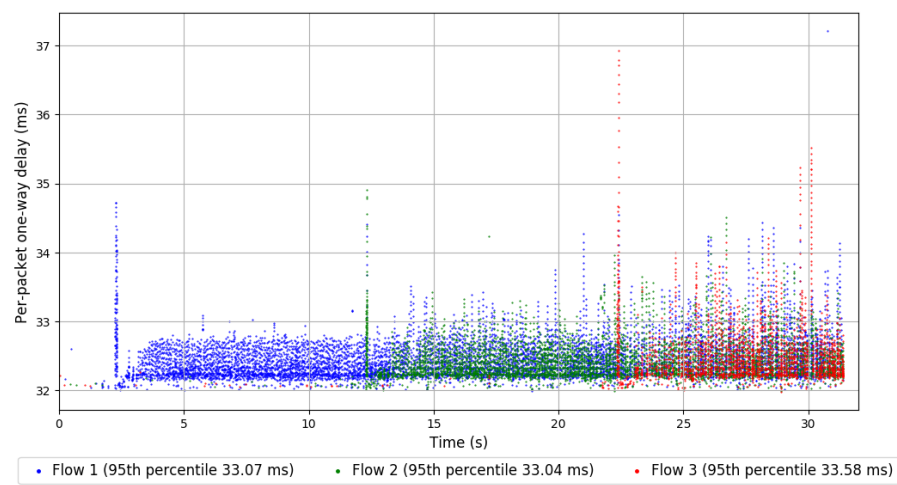
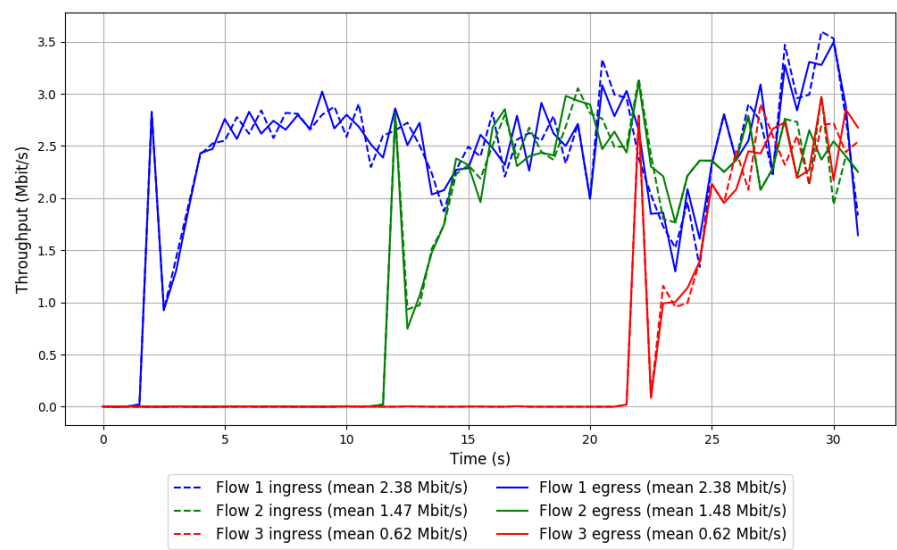


Run 8: Statistics of WebRTC media

Start at: 2017-12-05 21:08:49
End at: 2017-12-05 21:09:19
Local clock offset: 4.818 ms
Remote clock offset: -12.227 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 33.127 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 33.068 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 33.036 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 33.581 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

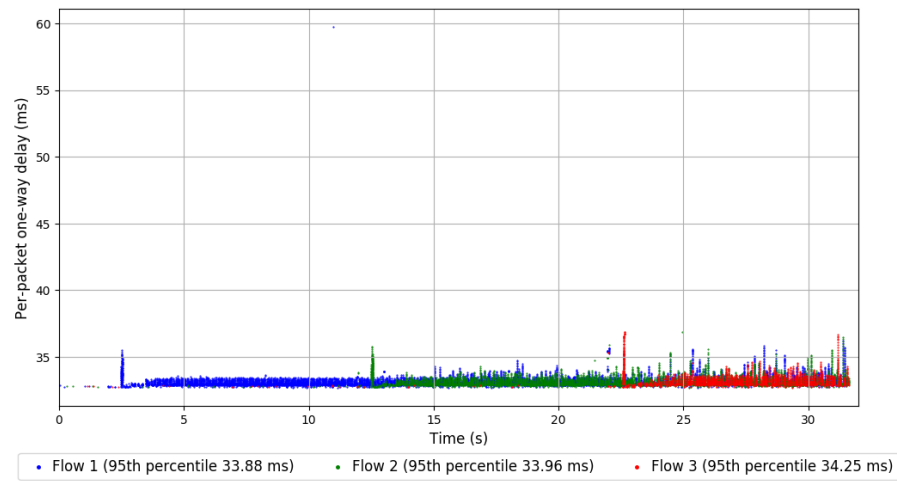
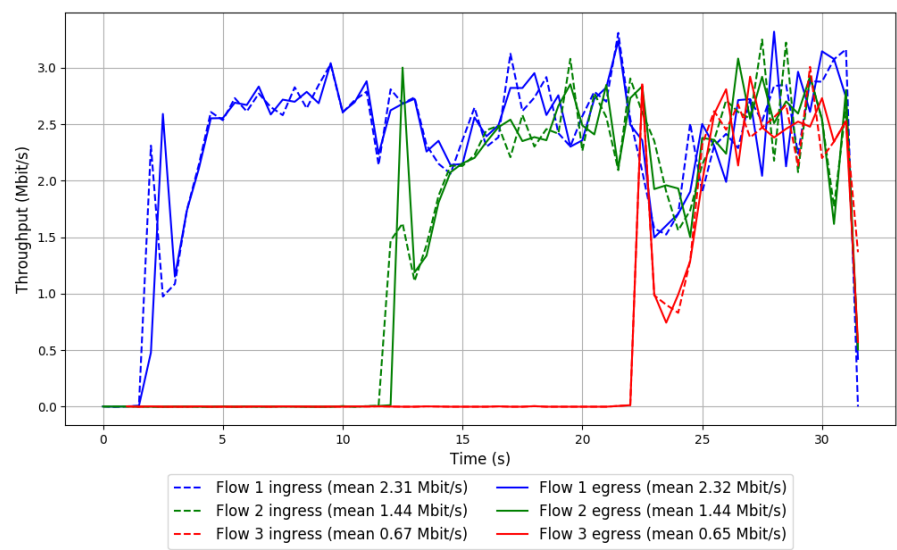


Run 9: Statistics of WebRTC media

Start at: 2017-12-05 21:25:39
End at: 2017-12-05 21:26:09
Local clock offset: 5.509 ms
Remote clock offset: -12.919 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 33.952 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 33.878 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 33.959 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 34.249 ms
Loss rate: 1.96%

Run 9: Report of WebRTC media — Data Link

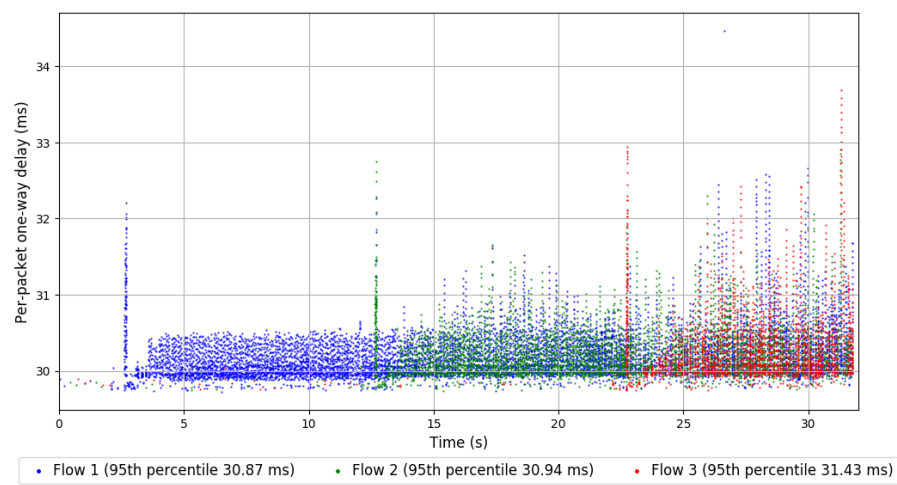
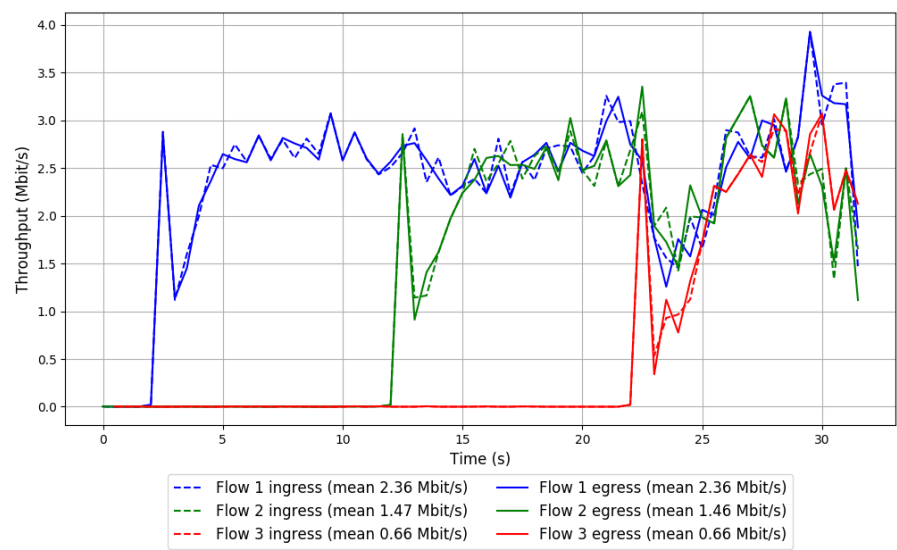


Run 10: Statistics of WebRTC media

Start at: 2017-12-05 21:42:24
End at: 2017-12-05 21:42:54
Local clock offset: 1.844 ms
Remote clock offset: -12.768 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 30.998 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 30.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 30.944 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 31.434 ms
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

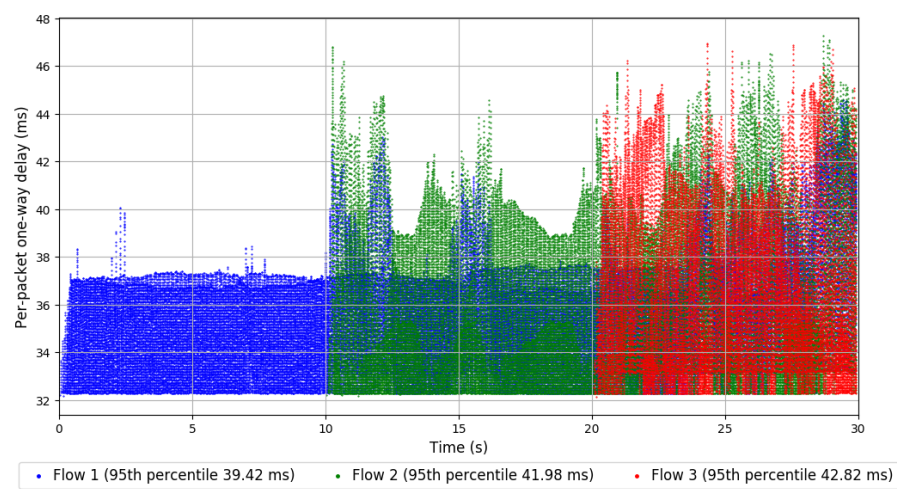
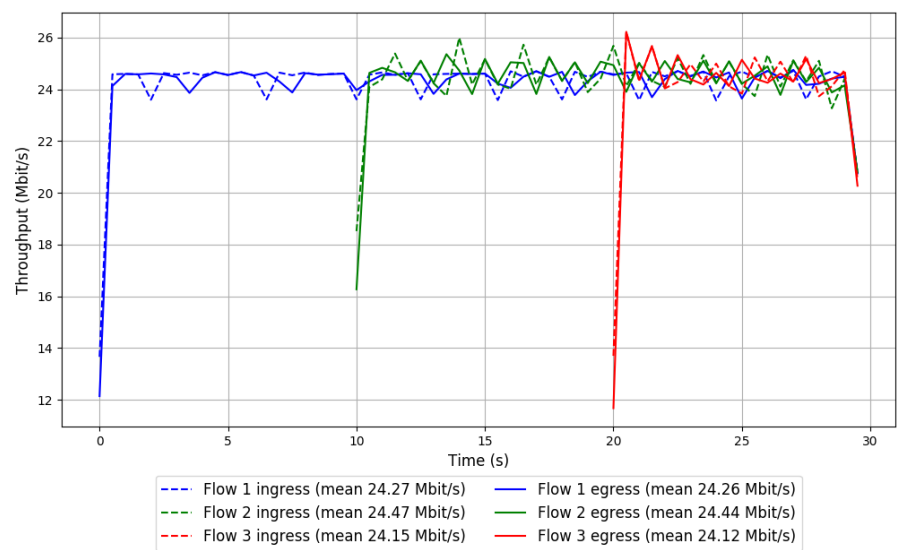


Run 1: Statistics of Sprout

Start at: 2017-12-05 18:56:47
End at: 2017-12-05 18:57:17
Local clock offset: 8.221 ms
Remote clock offset: -15.074 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 41.277 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 39.416 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 41.983 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 42.817 ms
Loss rate: 0.34%

Run 1: Report of Sprout — Data Link

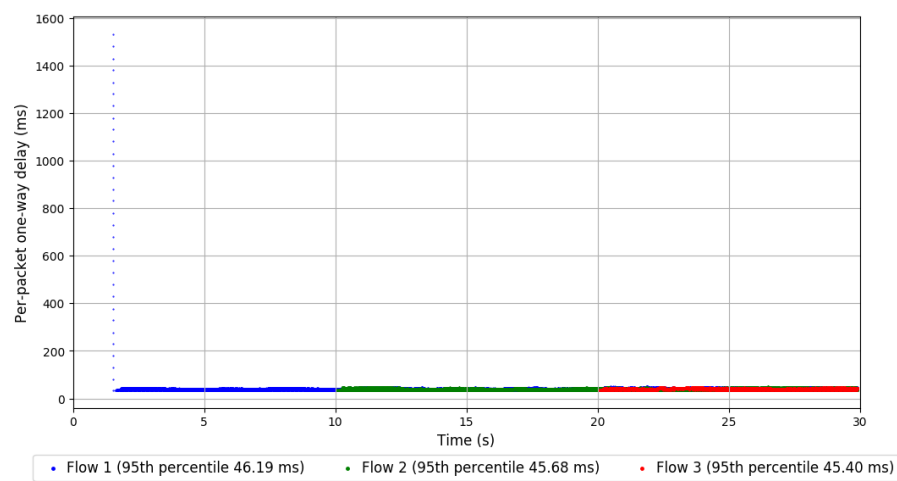
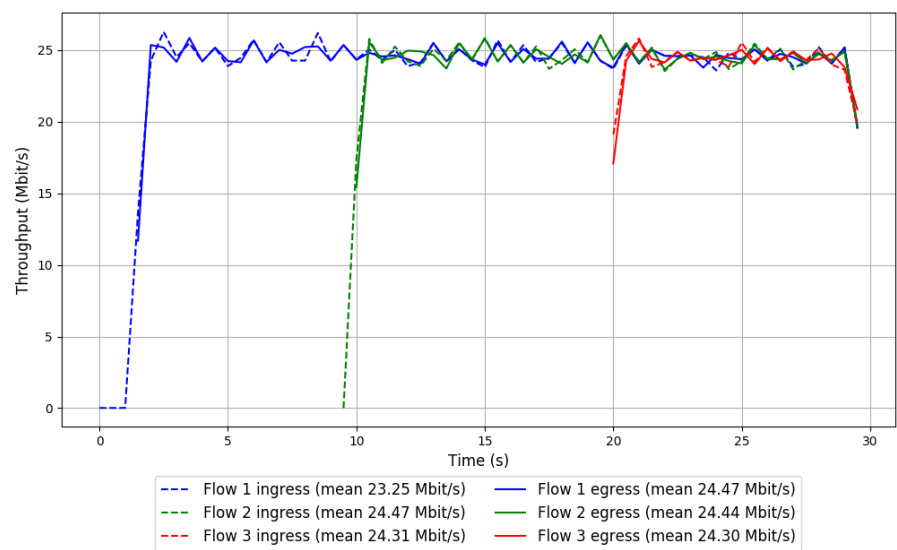


Run 2: Statistics of Sprout

Start at: 2017-12-05 19:14:17
End at: 2017-12-05 19:14:47
Local clock offset: 9.926 ms
Remote clock offset: -14.678 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 45.885 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 46.186 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 45.681 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 45.396 ms
Loss rate: 0.16%

Run 2: Report of Sprout — Data Link

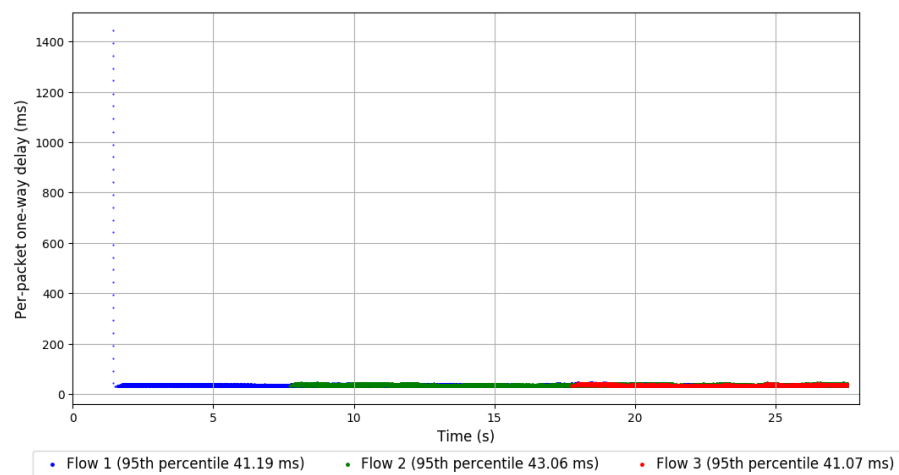
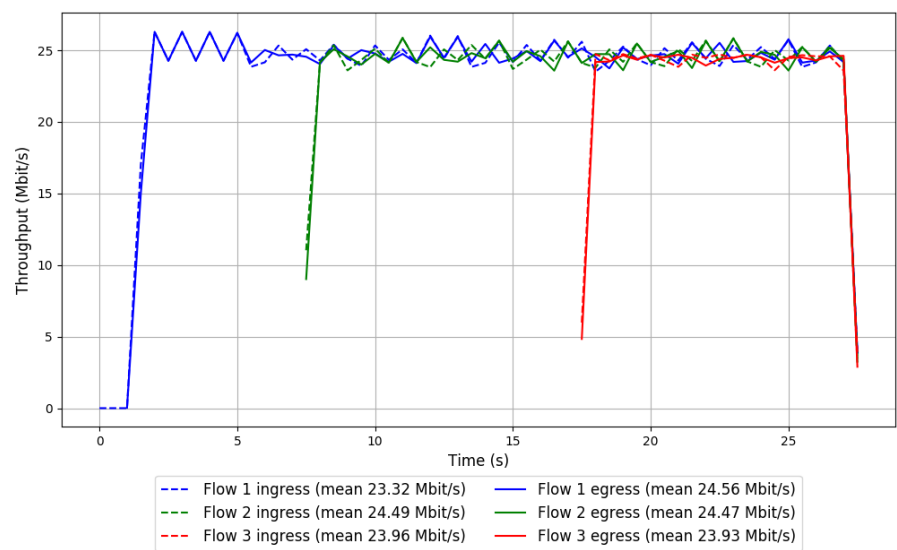


Run 3: Statistics of Sprout

Start at: 2017-12-05 19:31:45
End at: 2017-12-05 19:32:15
Local clock offset: 6.278 ms
Remote clock offset: -14.702 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.21 Mbit/s
95th percentile per-packet one-way delay: 42.037 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 41.187 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 43.060 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 41.074 ms
Loss rate: 0.42%

Run 3: Report of Sprout — Data Link

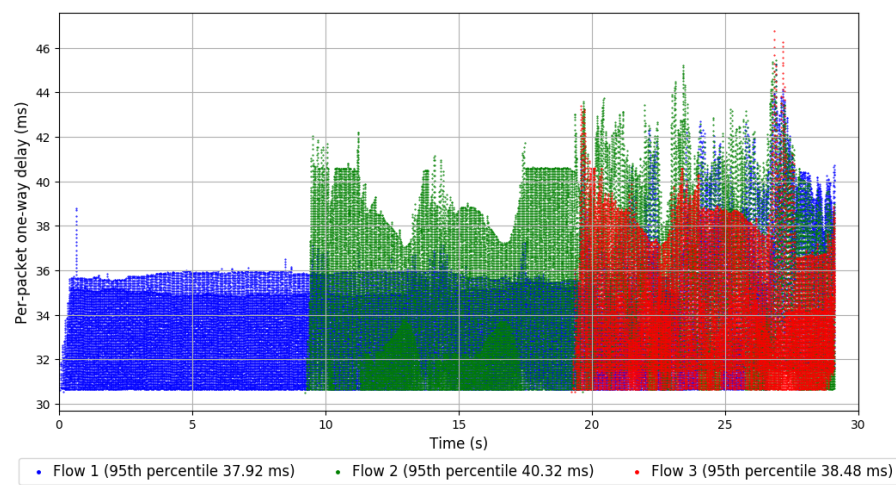
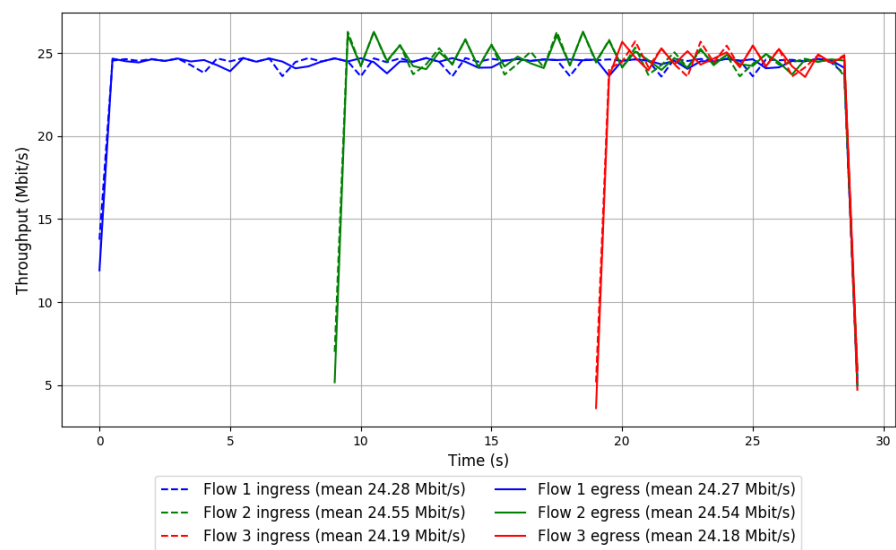


Run 4: Statistics of Sprout

Start at: 2017-12-05 19:48:59
End at: 2017-12-05 19:49:29
Local clock offset: 6.384 ms
Remote clock offset: -13.172 ms

```
# Below is generated by plot.py at 2017-12-06 00:42:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.25 Mbit/s
95th percentile per-packet one-way delay: 39.253 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 37.924 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 40.323 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 38.479 ms
Loss rate: 0.15%
```

Run 4: Report of Sprout — Data Link

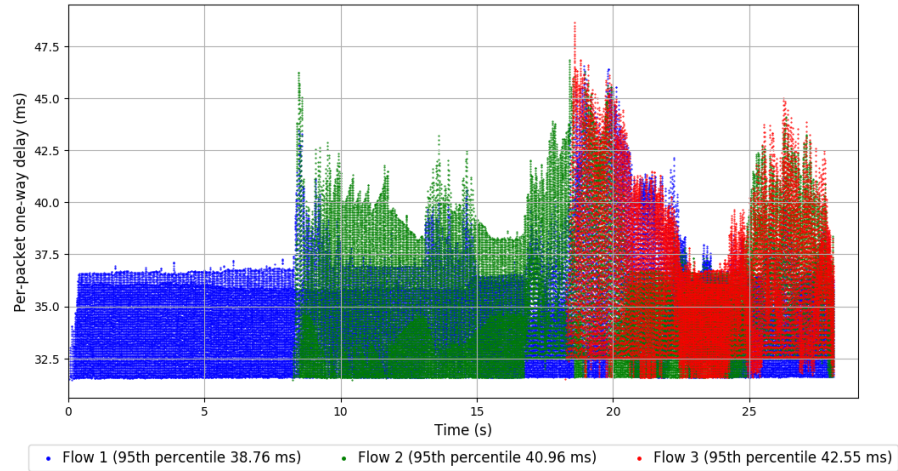
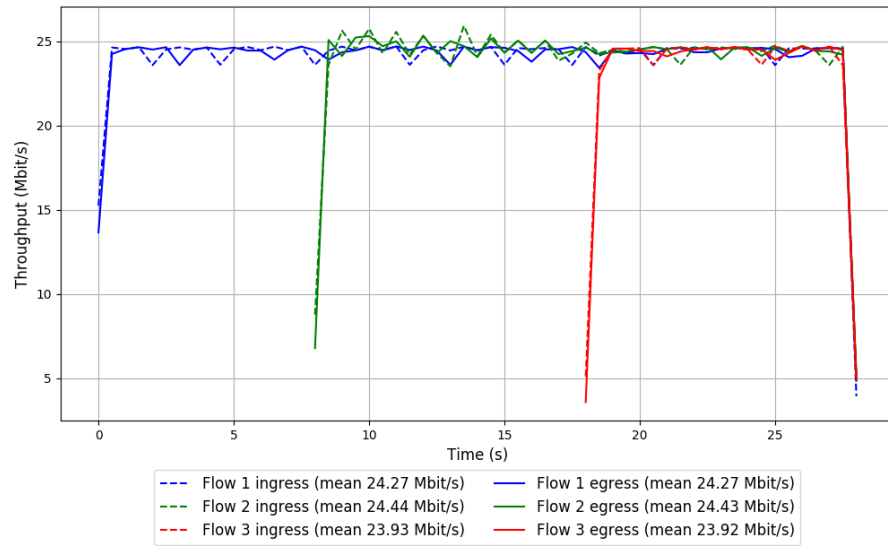


Run 5: Statistics of Sprout

Start at: 2017-12-05 20:06:08
End at: 2017-12-05 20:06:38
Local clock offset: 7.685 ms
Remote clock offset: -12.173 ms

```
# Below is generated by plot.py at 2017-12-06 00:42:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 40.660 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 38.758 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 40.960 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 42.547 ms
Loss rate: 0.19%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

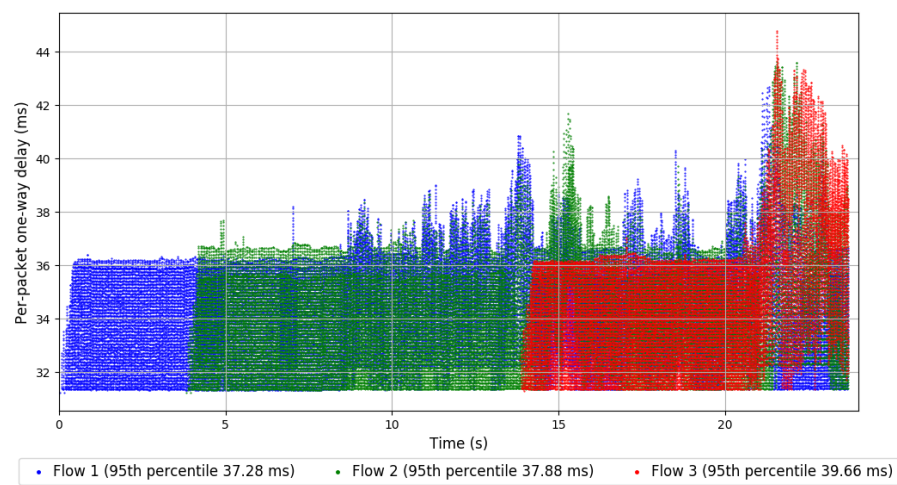
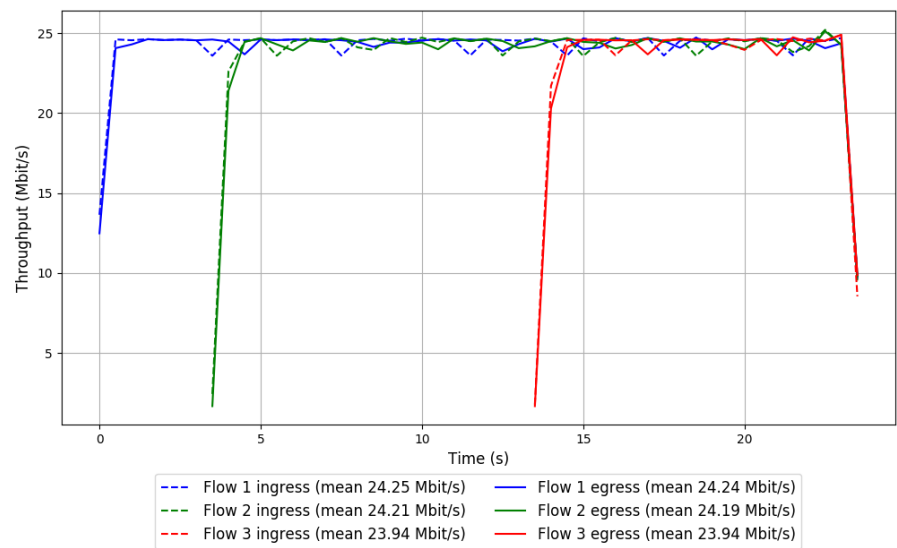
Start at: 2017-12-05 20:22:51

End at: 2017-12-05 20:23:21

Local clock offset: 6.971 ms

Remote clock offset: -11.834 ms

Run 6: Report of Sprout — Data Link

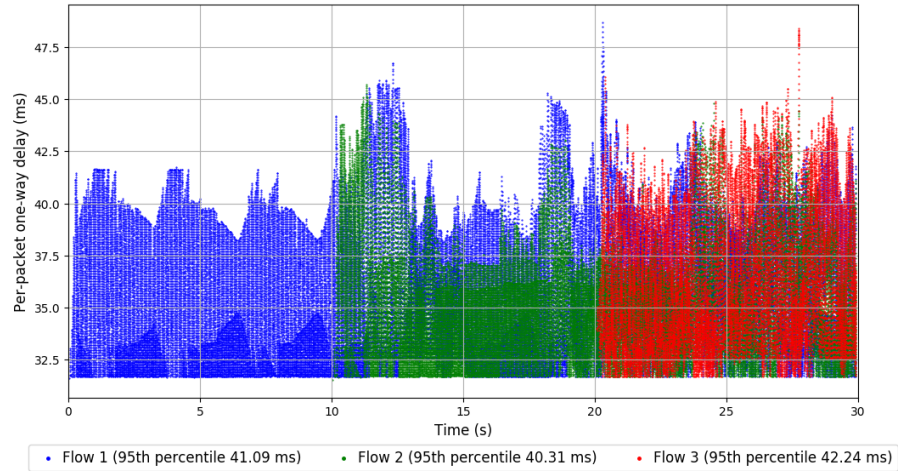
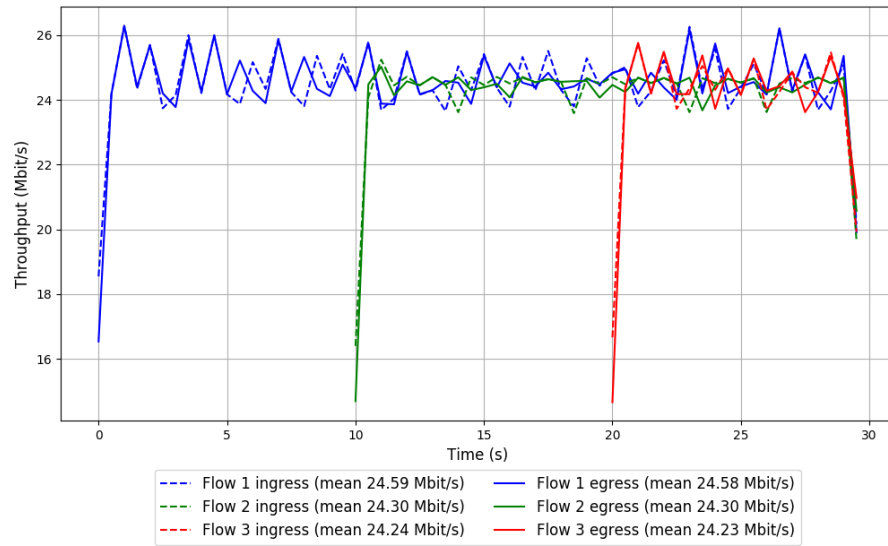


Run 7: Statistics of Sprout

Start at: 2017-12-05 20:39:49
End at: 2017-12-05 20:40:19
Local clock offset: 5.935 ms
Remote clock offset: -12.008 ms

Below is generated by plot.py at 2017-12-06 00:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 41.232 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 41.088 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 40.312 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 42.241 ms
Loss rate: 0.19%

Run 7: Report of Sprout — Data Link

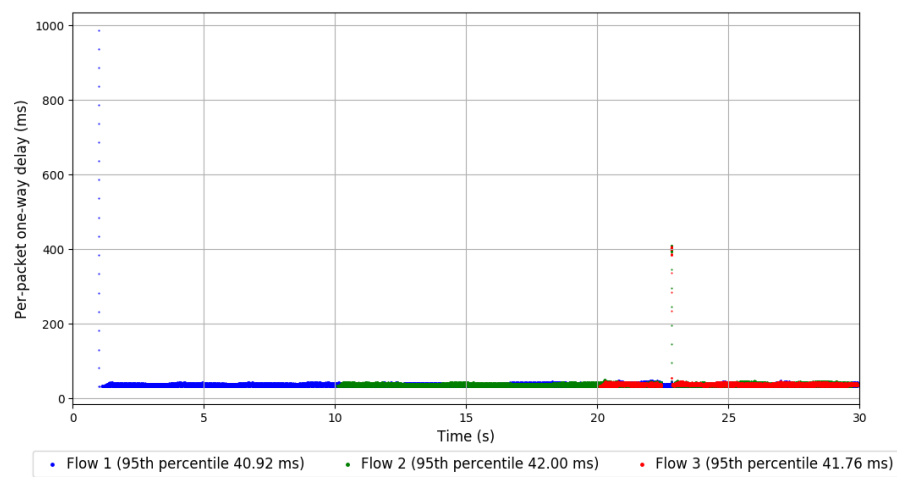
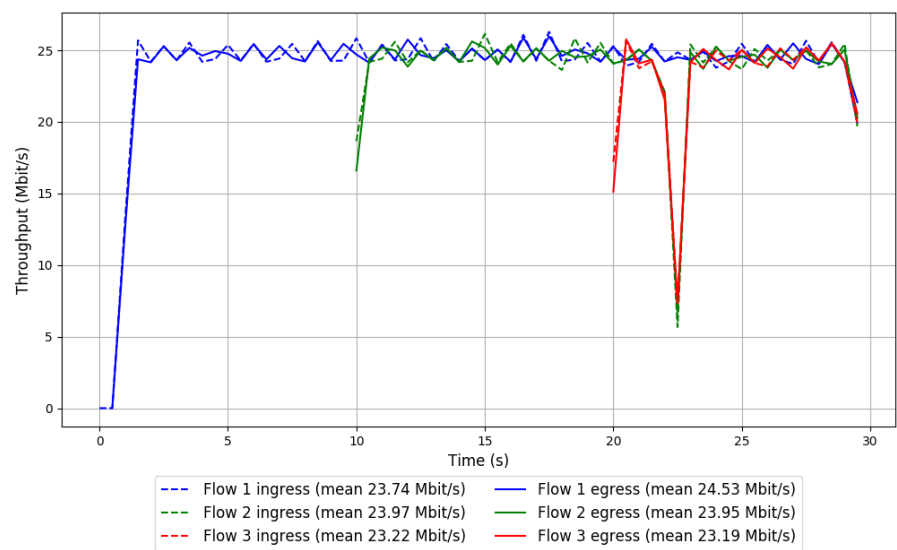


Run 8: Statistics of Sprout

Start at: 2017-12-05 20:57:02
End at: 2017-12-05 20:57:32
Local clock offset: 4.577 ms
Remote clock offset: -12.836 ms

Below is generated by plot.py at 2017-12-06 00:43:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 41.490 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 40.919 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 42.000 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 23.19 Mbit/s
95th percentile per-packet one-way delay: 41.763 ms
Loss rate: 0.29%

Run 8: Report of Sprout — Data Link

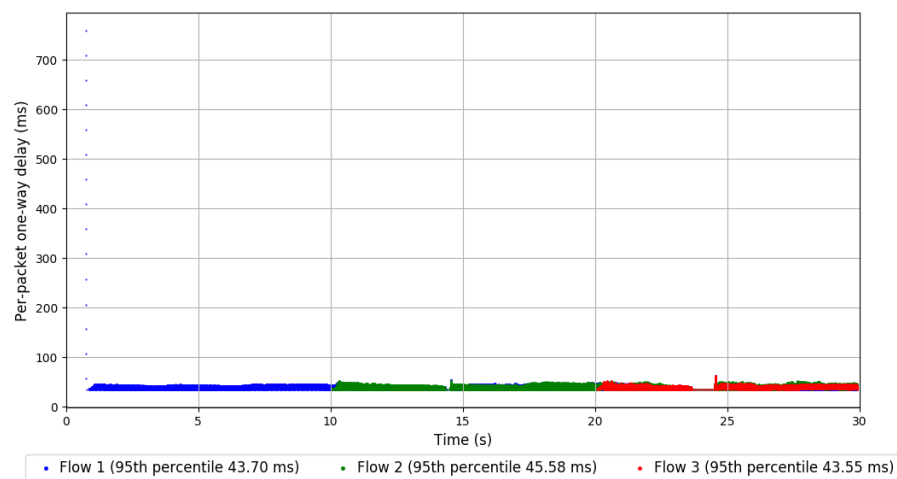
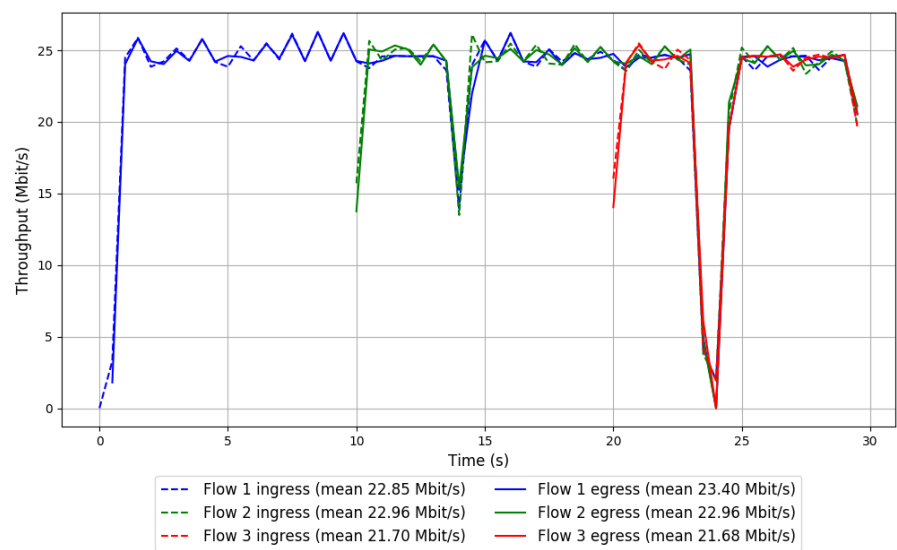


Run 9: Statistics of Sprout

Start at: 2017-12-05 21:13:35
End at: 2017-12-05 21:14:05
Local clock offset: 7.314 ms
Remote clock offset: -12.272 ms

Below is generated by plot.py at 2017-12-06 00:43:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.38 Mbit/s
95th percentile per-packet one-way delay: 44.288 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 43.695 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 45.575 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 21.68 Mbit/s
95th percentile per-packet one-way delay: 43.555 ms
Loss rate: 0.24%

Run 9: Report of Sprout — Data Link

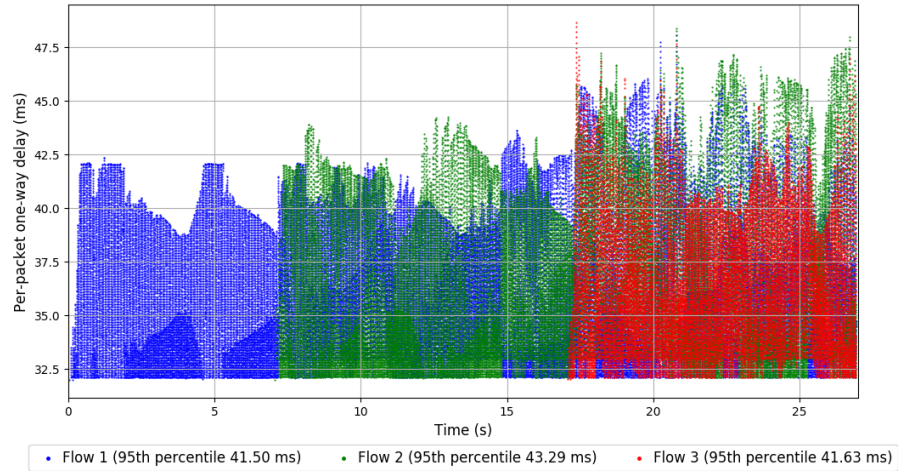
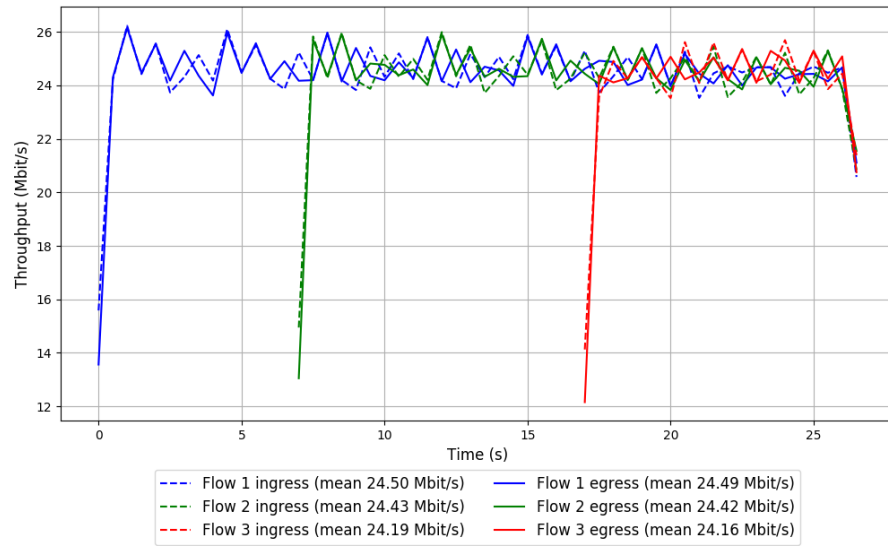


Run 10: Statistics of Sprout

Start at: 2017-12-05 21:30:25
End at: 2017-12-05 21:30:55
Local clock offset: 5.142 ms
Remote clock offset: -12.254 ms

Below is generated by plot.py at 2017-12-06 00:43:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.39 Mbit/s
95th percentile per-packet one-way delay: 42.187 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 41.502 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 43.291 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 41.627 ms
Loss rate: 0.33%

Run 10: Report of Sprout — Data Link

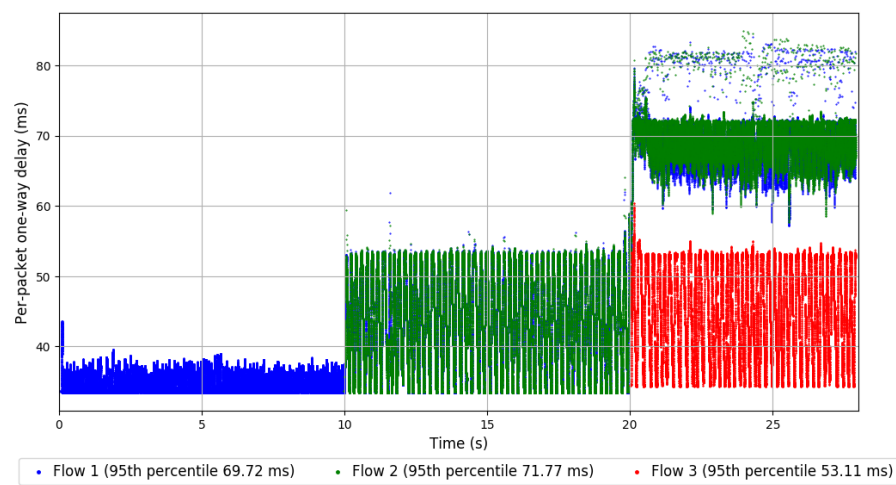
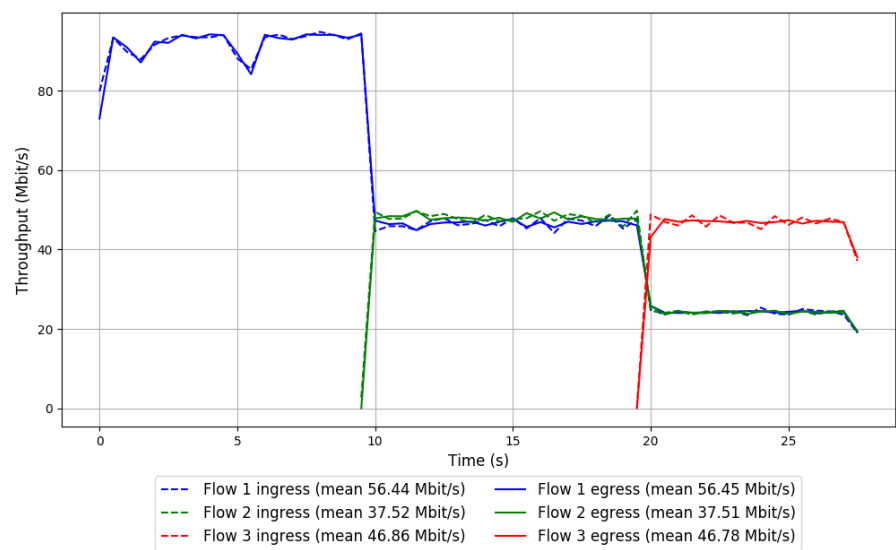


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-05 19:06:37
End at: 2017-12-05 19:07:07
Local clock offset: 6.666 ms
Remote clock offset: -17.097 ms

# Below is generated by plot.py at 2017-12-06 00:44:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 70.586 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 69.725 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 71.772 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 53.109 ms
Loss rate: 0.61%
```


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

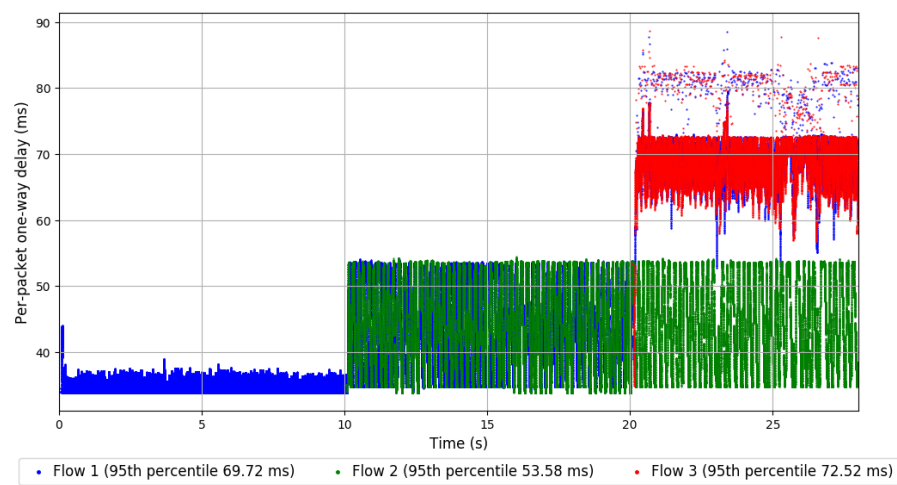
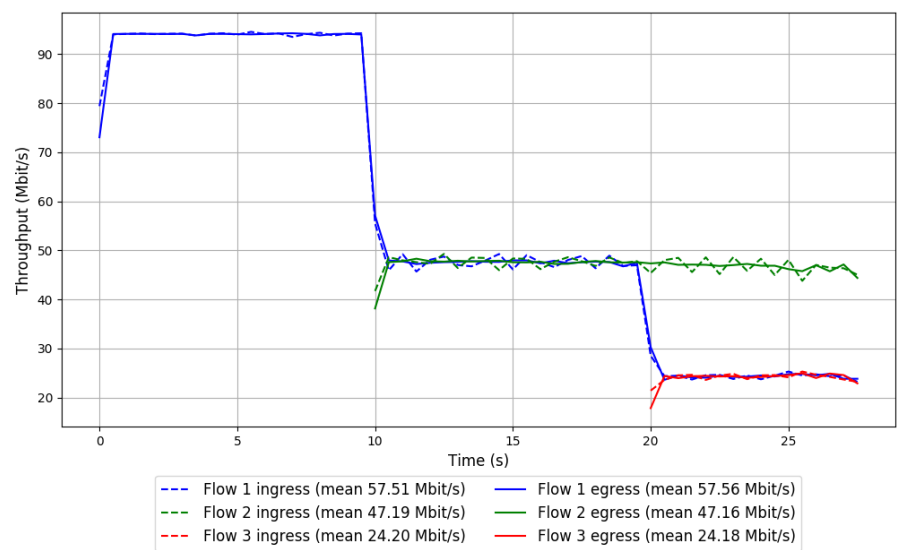


Run 2: Statistics of TaoVA-100x

Start at: 2017-12-05 19:24:25
End at: 2017-12-05 19:24:55
Local clock offset: 9.541 ms
Remote clock offset: -14.079 ms

Below is generated by plot.py at 2017-12-06 00:44:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.64 Mbit/s
95th percentile per-packet one-way delay: 70.386 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 69.725 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.16 Mbit/s
95th percentile per-packet one-way delay: 53.578 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 72.524 ms
Loss rate: 0.79%

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

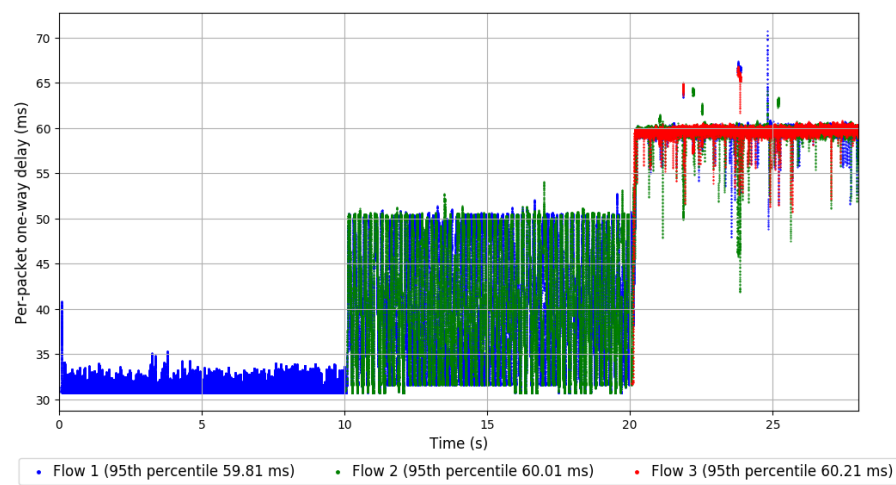
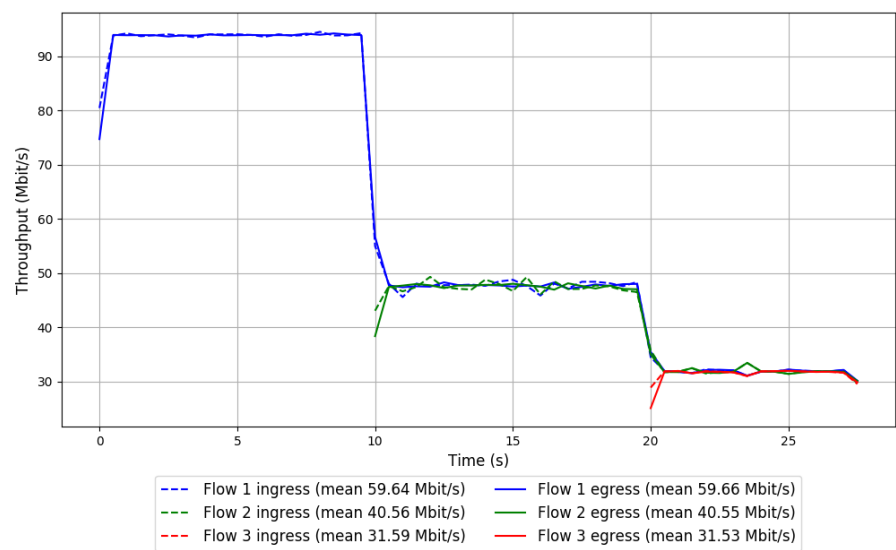


Run 3: Statistics of TaoVA-100x

Start at: 2017-12-05 19:41:39
End at: 2017-12-05 19:42:09
Local clock offset: 7.055 ms
Remote clock offset: -12.895 ms

Below is generated by plot.py at 2017-12-06 00:44:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 59.971 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.66 Mbit/s
95th percentile per-packet one-way delay: 59.815 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 60.011 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 60.211 ms
Loss rate: 0.69%

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

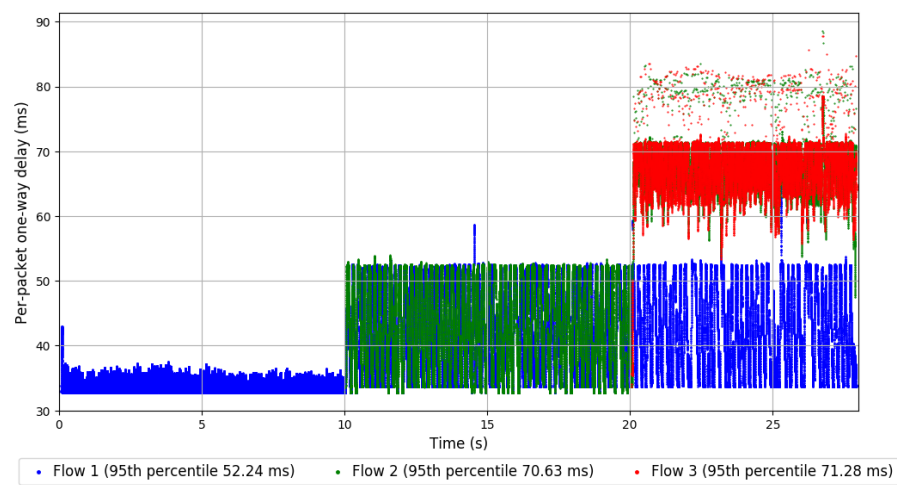
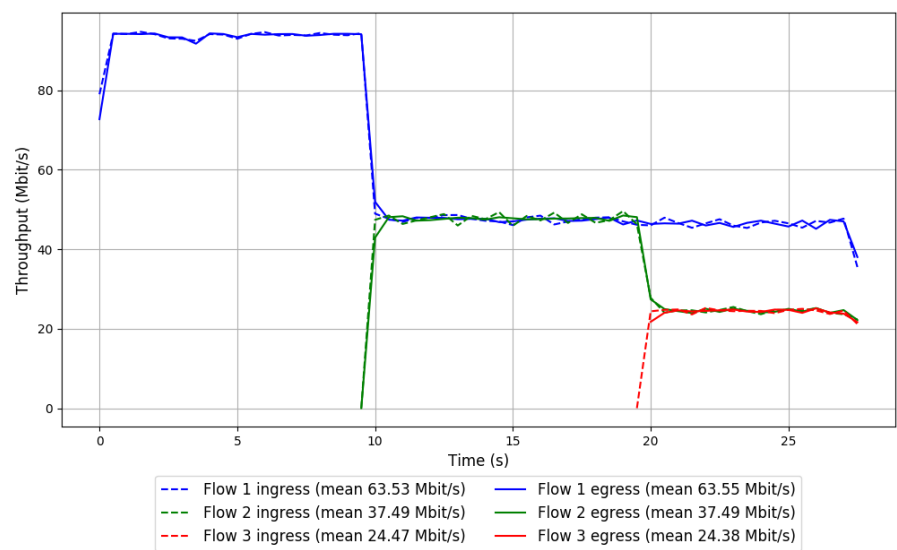


Run 4: Statistics of TaoVA-100x

Start at: 2017-12-05 19:58:48
End at: 2017-12-05 19:59:18
Local clock offset: 7.789 ms
Remote clock offset: -13.674 ms

Below is generated by plot.py at 2017-12-06 00:45:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 69.012 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 63.55 Mbit/s
95th percentile per-packet one-way delay: 52.239 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.49 Mbit/s
95th percentile per-packet one-way delay: 70.632 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 71.283 ms
Loss rate: 0.80%

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

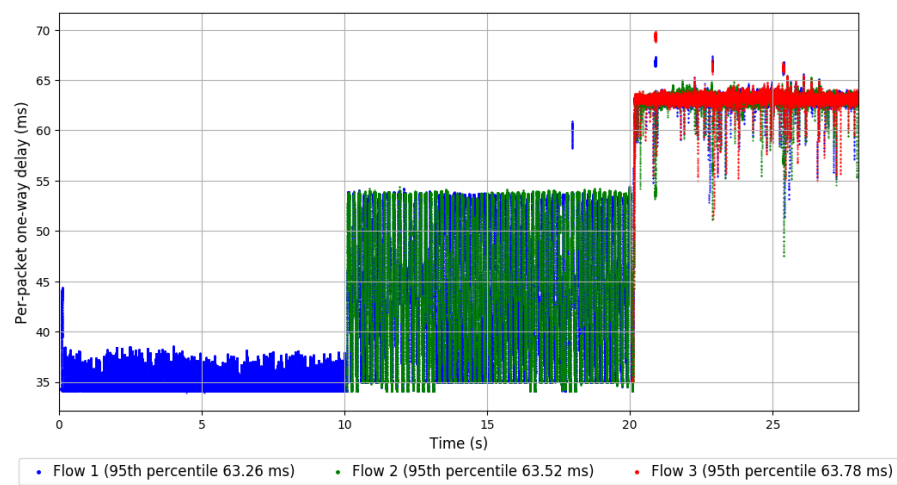
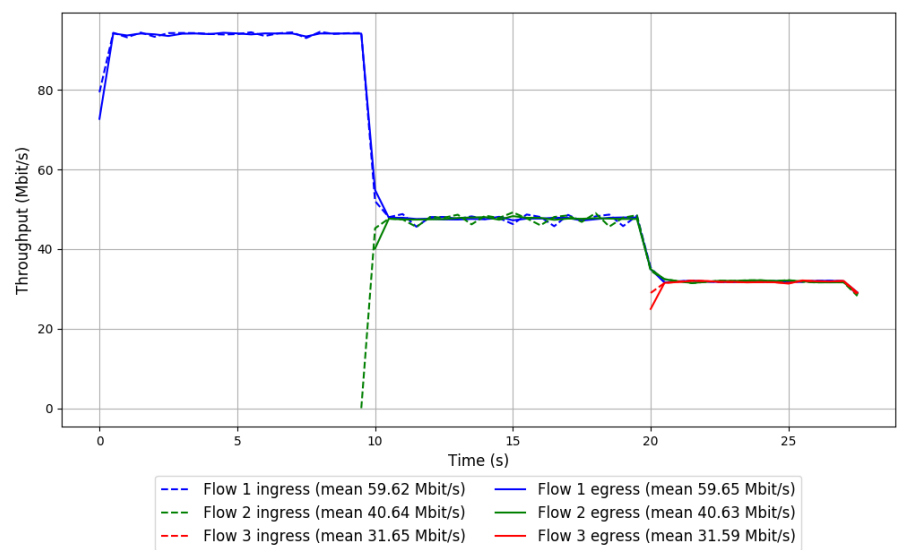


Run 5: Statistics of TaoVA-100x

Start at: 2017-12-05 20:15:39
End at: 2017-12-05 20:16:09
Local clock offset: 9.318 ms
Remote clock offset: -12.408 ms

Below is generated by plot.py at 2017-12-06 00:45:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 63.460 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 63.261 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 63.520 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 63.777 ms
Loss rate: 0.70%

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

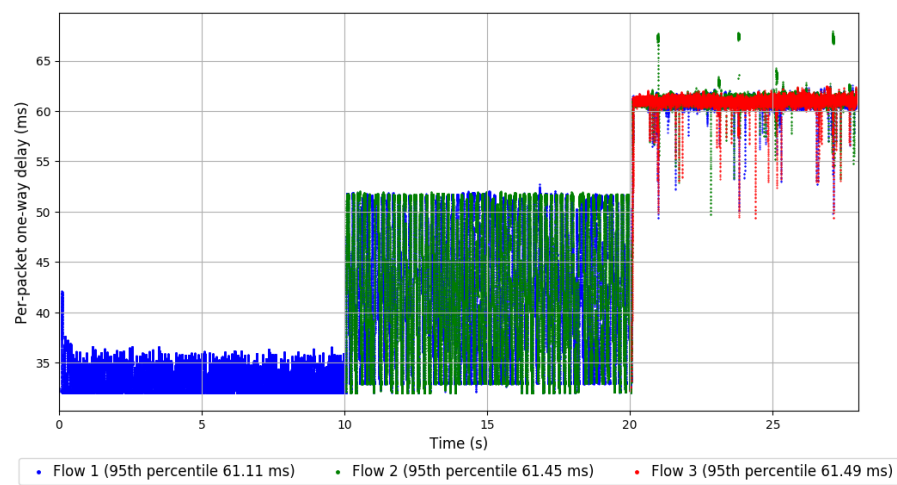
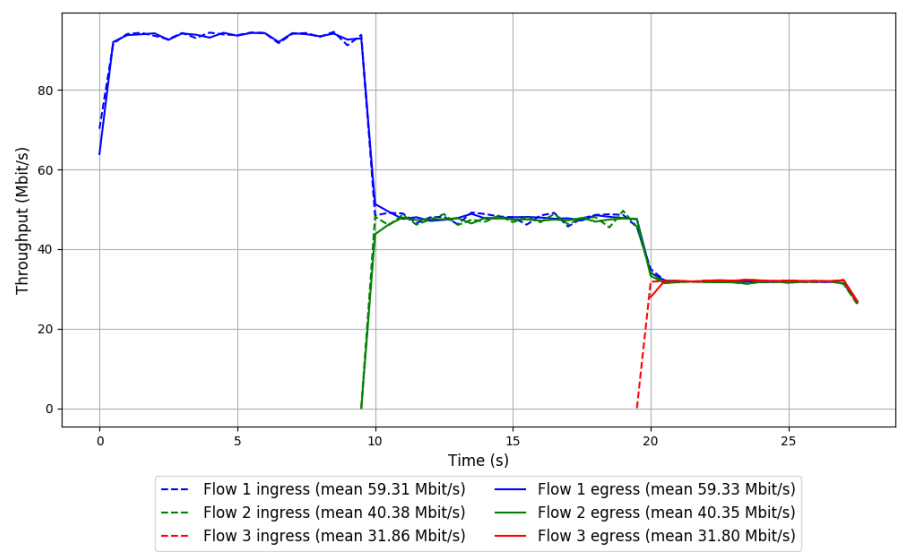


Run 6: Statistics of TaoVA-100x

Start at: 2017-12-05 20:32:28
End at: 2017-12-05 20:32:58
Local clock offset: 5.951 ms
Remote clock offset: -12.797 ms

Below is generated by plot.py at 2017-12-06 00:45:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 61.326 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 61.112 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 61.449 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 61.486 ms
Loss rate: 0.69%

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



Run 7: Statistics of TaoVA-100x

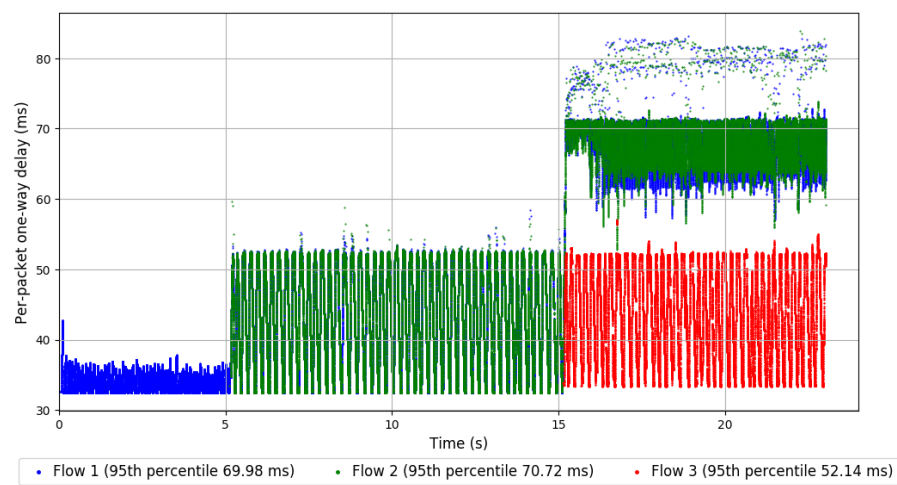
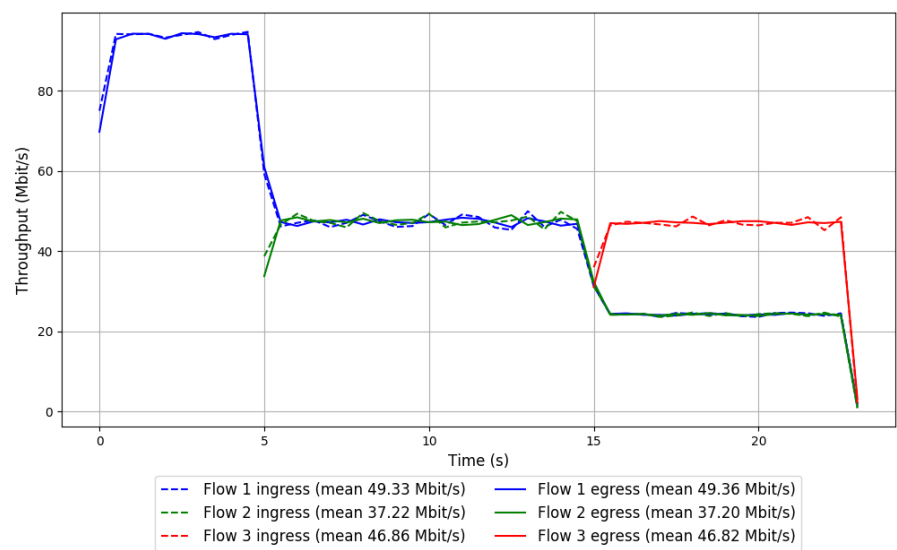
Start at: 2017-12-05 20:49:37

End at: 2017-12-05 20:50:07

Local clock offset: 6.811 ms

Remote clock offset: -11.288 ms

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



Run 8: Statistics of TaoVA-100x

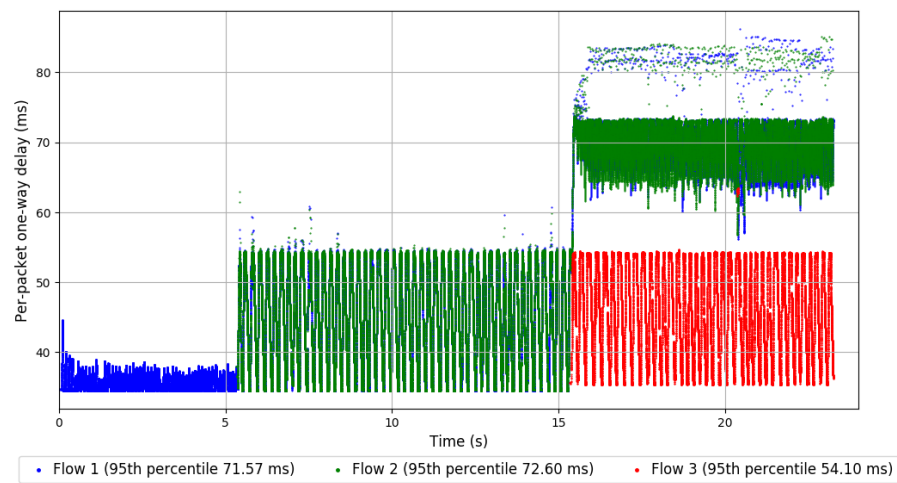
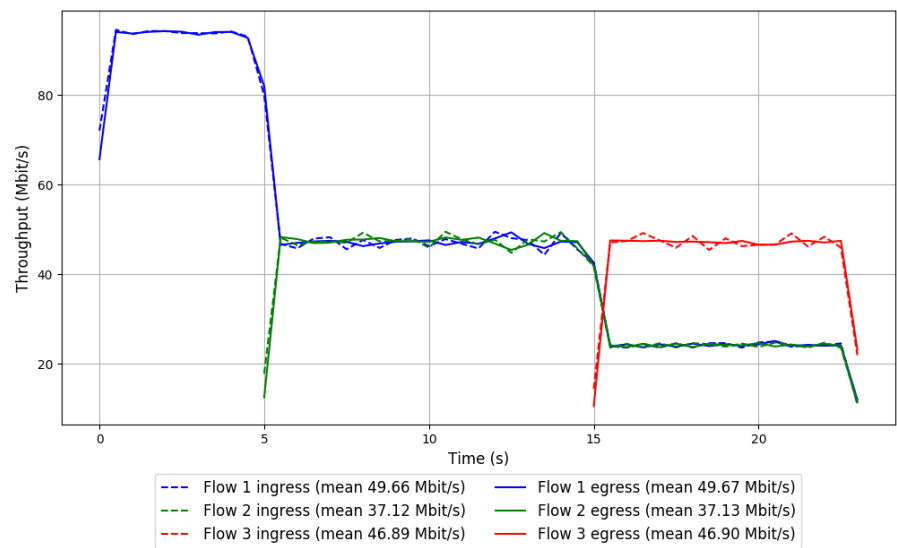
Start at: 2017-12-05 21:06:24

End at: 2017-12-05 21:06:54

Local clock offset: 7.38 ms

Remote clock offset: -11.895 ms

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

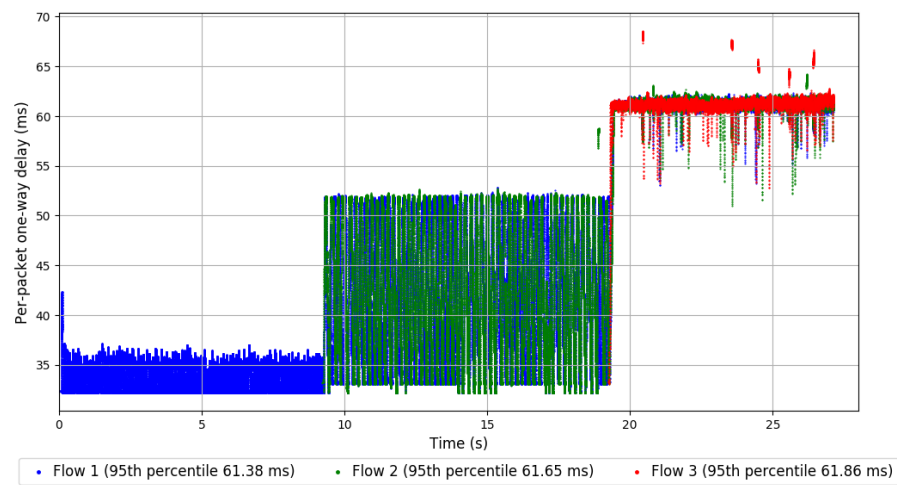
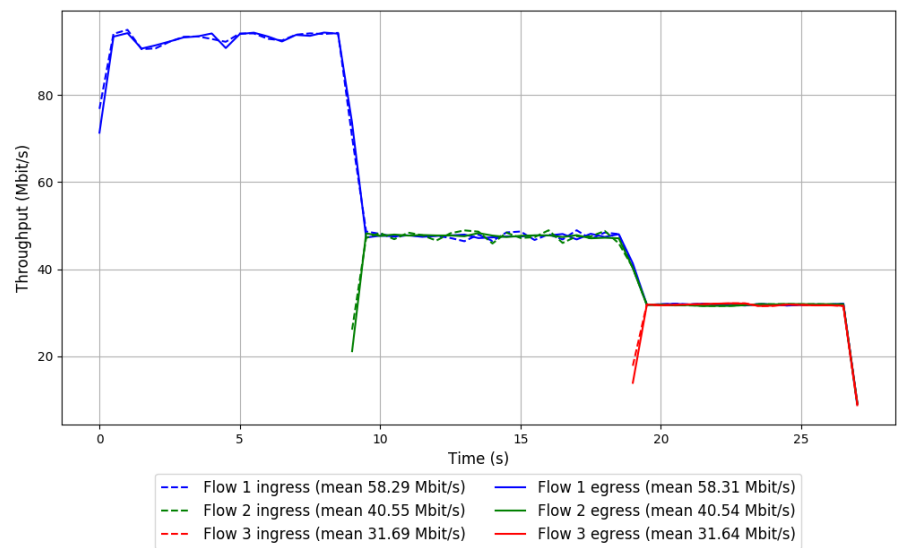


Run 9: Statistics of TaoVA-100x

Start at: 2017-12-05 21:23:09
End at: 2017-12-05 21:23:39
Local clock offset: 5.806 ms
Remote clock offset: -11.859 ms

Below is generated by plot.py at 2017-12-06 00:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 61.567 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 61.380 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 61.645 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 61.859 ms
Loss rate: 0.68%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-12-05 21:39:54

End at: 2017-12-05 21:40:24

Local clock offset: 6.187 ms

Remote clock offset: -12.536 ms

Below is generated by plot.py at 2017-12-06 00:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 63.216 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 57.51 Mbit/s

95th percentile per-packet one-way delay: 63.100 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 38.46 Mbit/s

95th percentile per-packet one-way delay: 63.231 ms

Loss rate: 0.25%

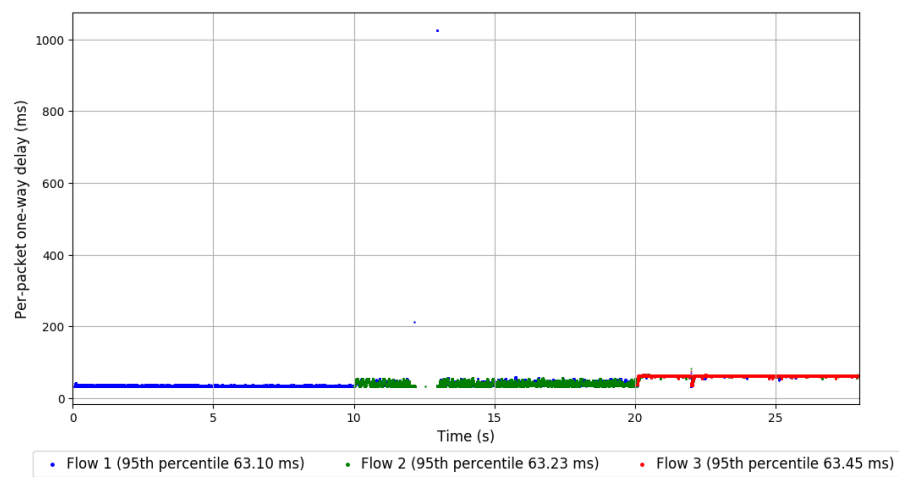
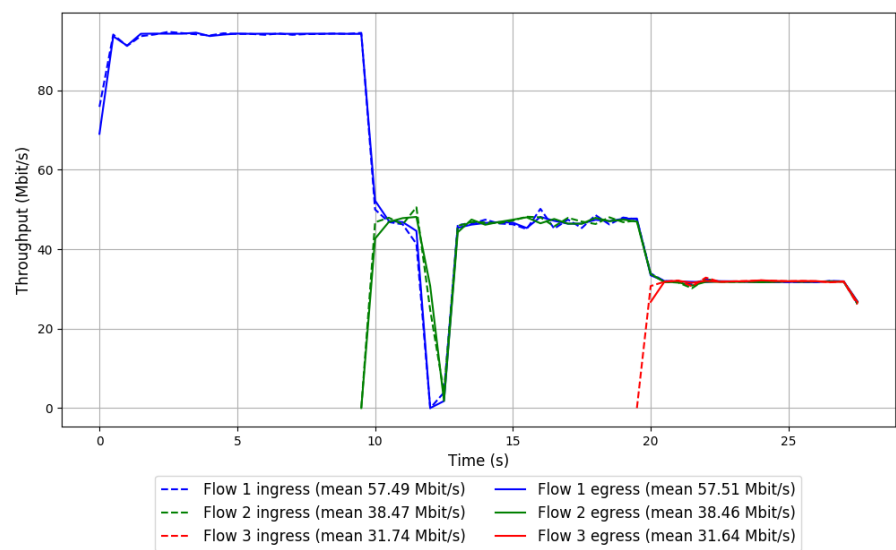
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 63.451 ms

Loss rate: 0.68%

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

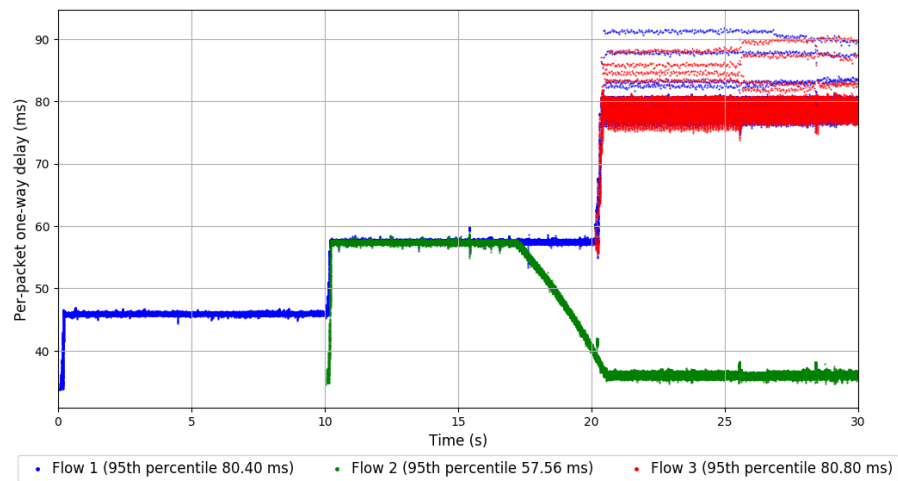
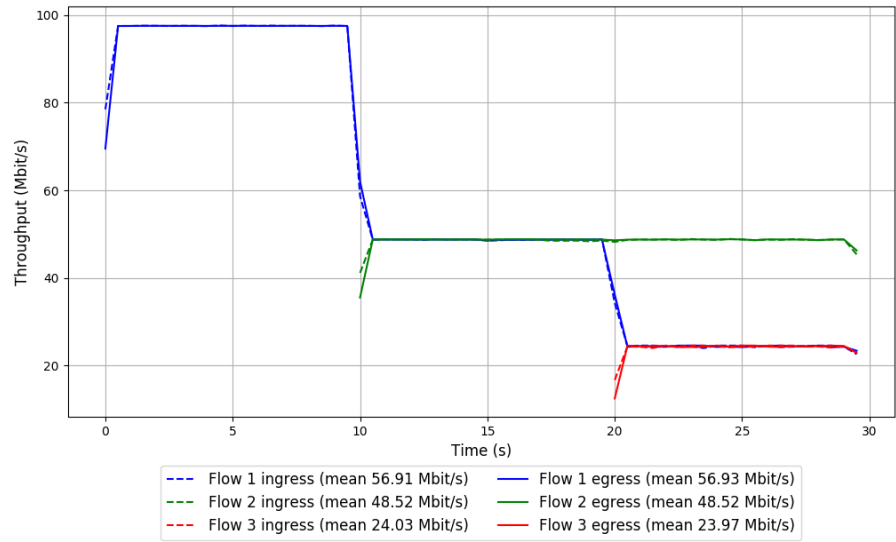


Run 1: Statistics of TCP Vegas

Start at: 2017-12-05 19:11:50
End at: 2017-12-05 19:12:20
Local clock offset: 9.593 ms
Remote clock offset: -14.309 ms

Below is generated by plot.py at 2017-12-06 00:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 80.424 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 80.397 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 57.556 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 80.796 ms
Loss rate: 0.76%

Run 1: Report of TCP Vegas — Data Link

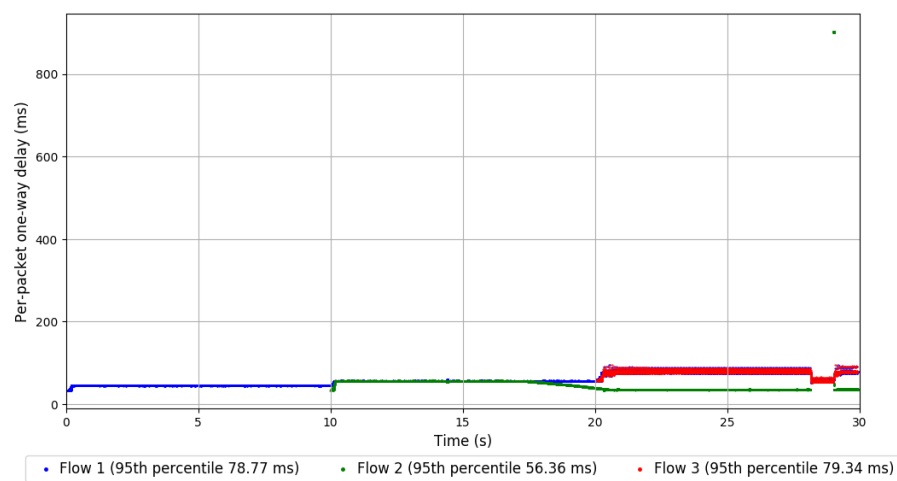
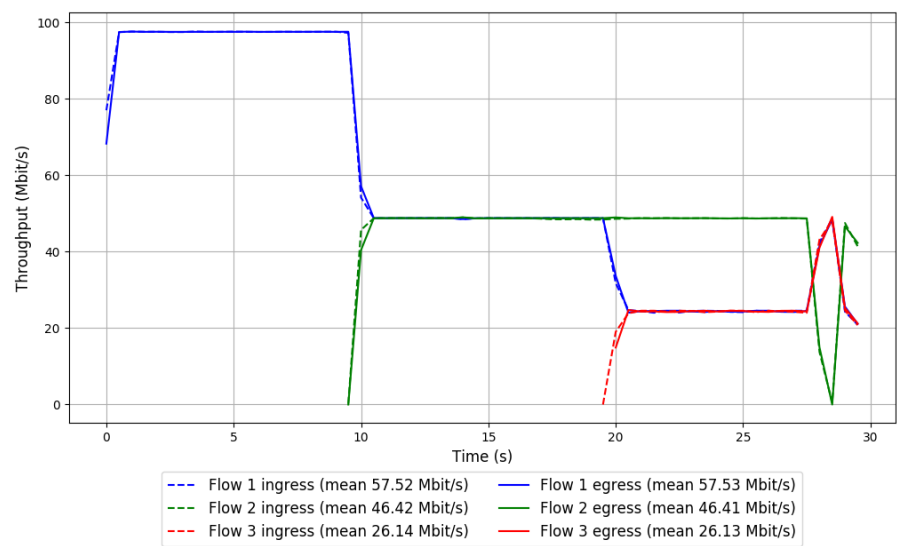


Run 2: Statistics of TCP Vegas

Start at: 2017-12-05 19:29:20
End at: 2017-12-05 19:29:50
Local clock offset: 7.382 ms
Remote clock offset: -14.923 ms

Below is generated by plot.py at 2017-12-06 00:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 78.918 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 78.770 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 56.358 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 26.13 Mbit/s
95th percentile per-packet one-way delay: 79.340 ms
Loss rate: 0.65%

Run 2: Report of TCP Vegas — Data Link

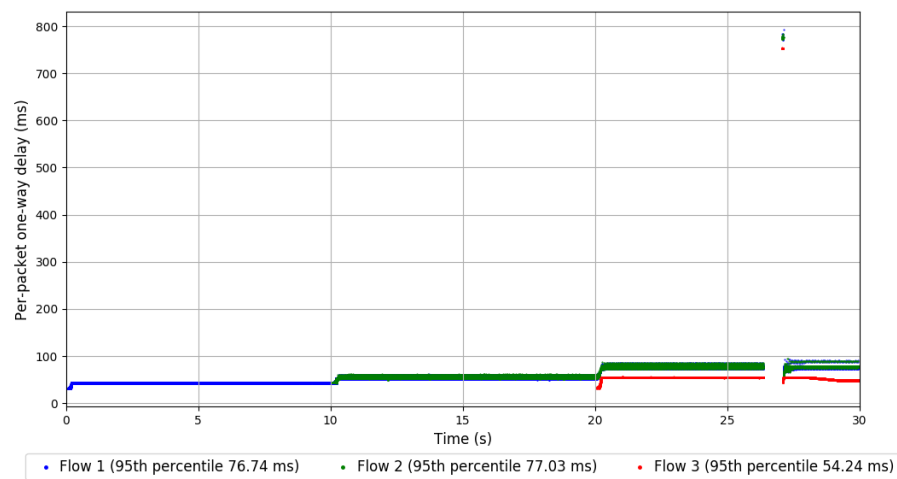
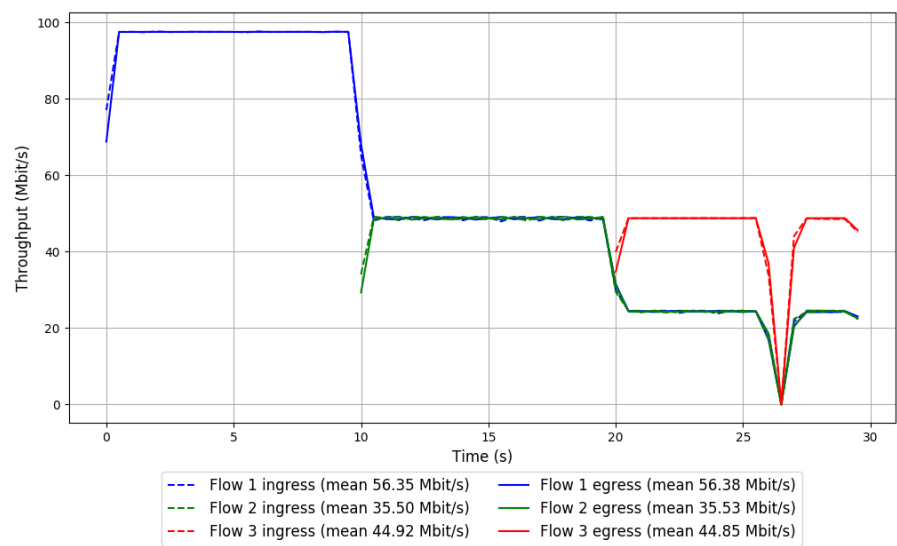


Run 3: Statistics of TCP Vegas

Start at: 2017-12-05 19:46:30
End at: 2017-12-05 19:47:00
Local clock offset: 4.426 ms
Remote clock offset: -14.837 ms

Below is generated by plot.py at 2017-12-06 00:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 76.879 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 76.741 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.53 Mbit/s
95th percentile per-packet one-way delay: 77.032 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 54.236 ms
Loss rate: 0.46%

Run 3: Report of TCP Vegas — Data Link

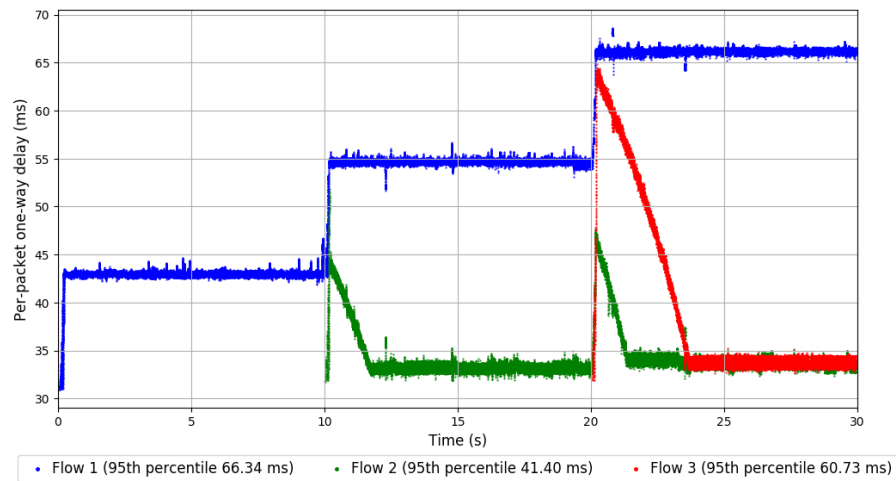
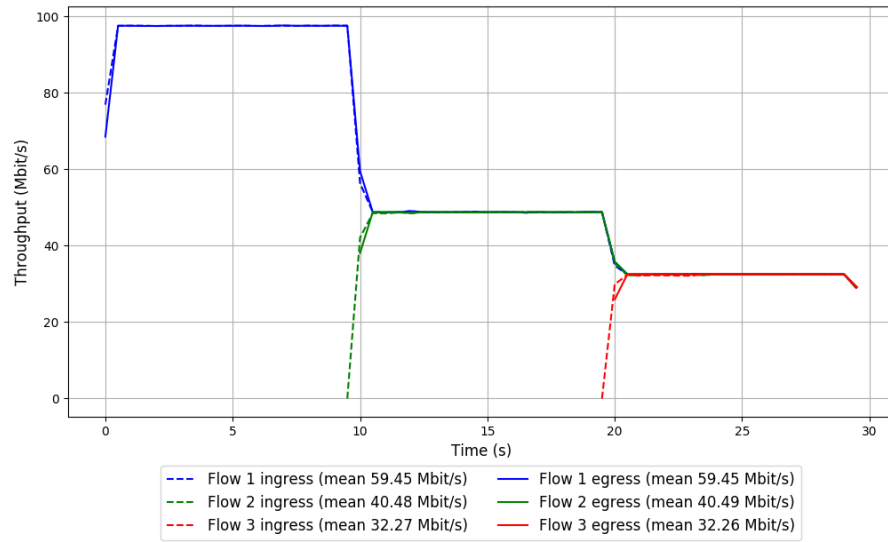


Run 4: Statistics of TCP Vegas

Start at: 2017-12-05 20:03:41
End at: 2017-12-05 20:04:11
Local clock offset: 7.028 ms
Remote clock offset: -12.545 ms

Below is generated by plot.py at 2017-12-06 00:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 66.235 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 66.339 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 41.398 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 60.725 ms
Loss rate: 0.28%

Run 4: Report of TCP Vegas — Data Link

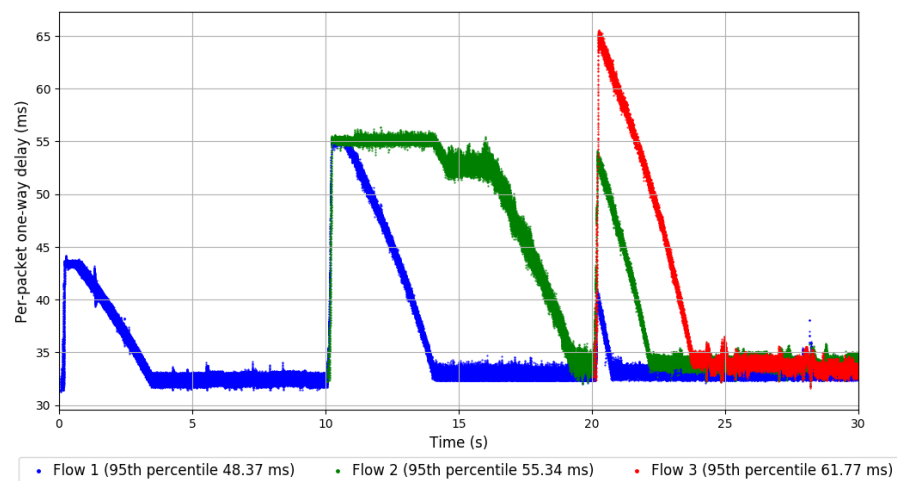
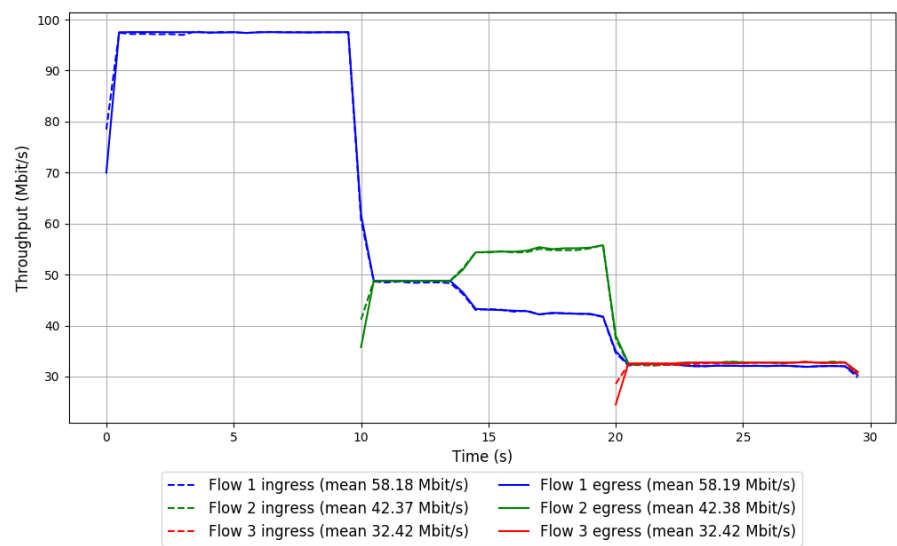


Run 5: Statistics of TCP Vegas

Start at: 2017-12-05 20:20:29
End at: 2017-12-05 20:20:59
Local clock offset: 5.836 ms
Remote clock offset: -13.161 ms

Below is generated by plot.py at 2017-12-06 00:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 55.183 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 48.374 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 42.38 Mbit/s
95th percentile per-packet one-way delay: 55.340 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 61.772 ms
Loss rate: 0.26%

Run 5: Report of TCP Vegas — Data Link

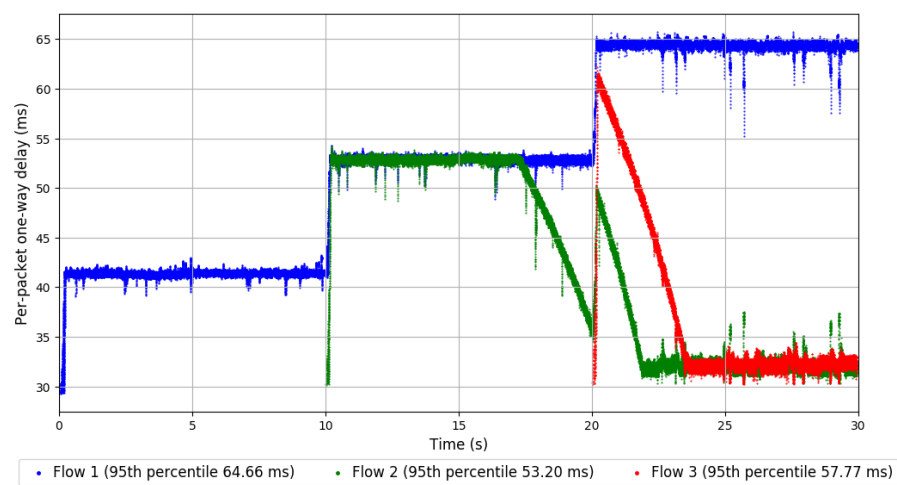
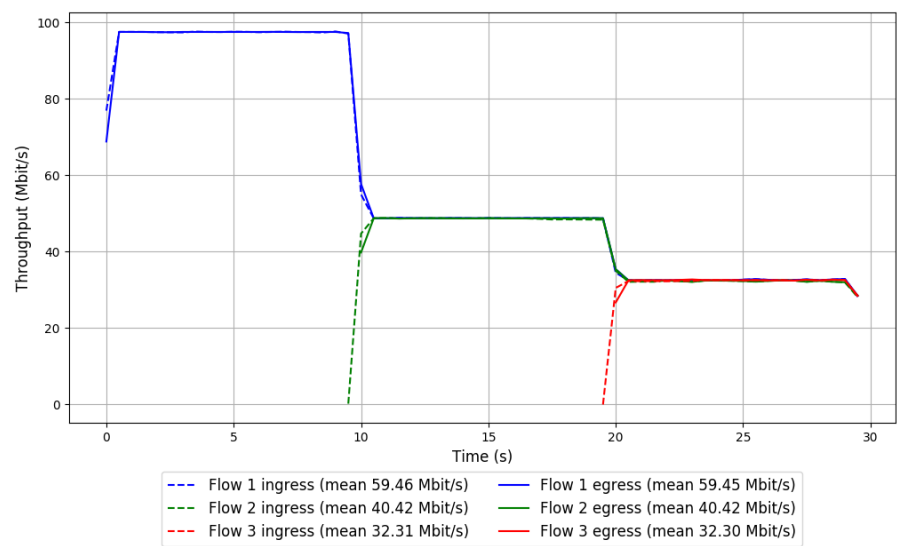


Run 6: Statistics of TCP Vegas

Start at: 2017-12-05 20:37:20
End at: 2017-12-05 20:37:50
Local clock offset: 3.445 ms
Remote clock offset: -12.346 ms

Below is generated by plot.py at 2017-12-06 00:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 64.473 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 64.655 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.42 Mbit/s
95th percentile per-packet one-way delay: 53.205 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 57.772 ms
Loss rate: 0.29%

Run 6: Report of TCP Vegas — Data Link

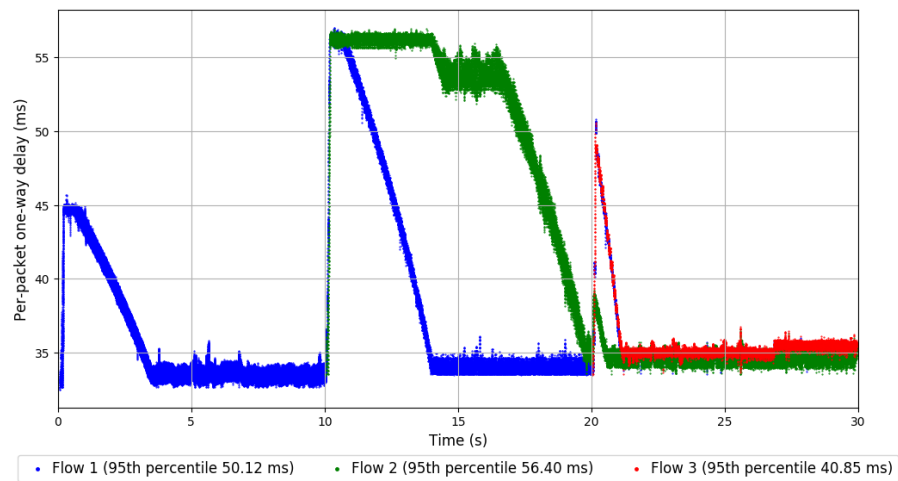
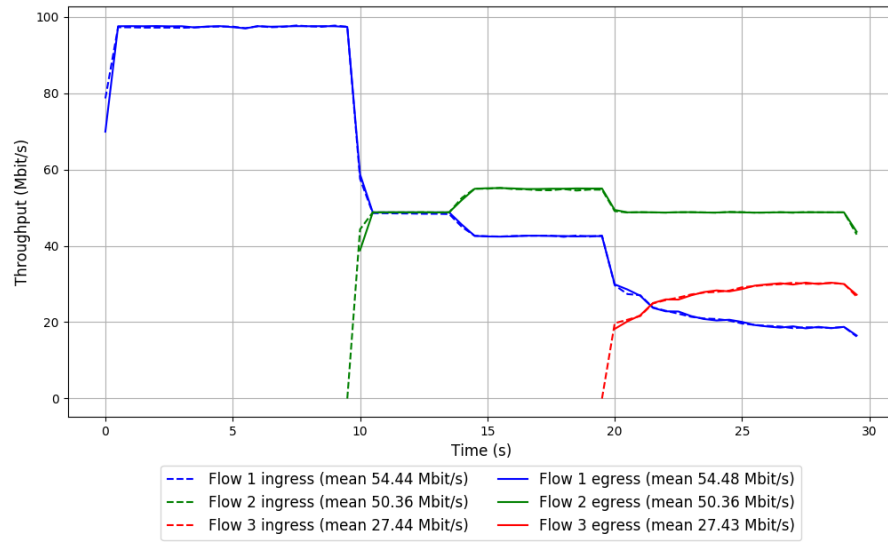


Run 7: Statistics of TCP Vegas

Start at: 2017-12-05 20:54:34
End at: 2017-12-05 20:55:04
Local clock offset: 5.109 ms
Remote clock offset: -13.103 ms

Below is generated by plot.py at 2017-12-06 00:47:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 56.166 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 50.122 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 56.399 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 40.850 ms
Loss rate: 0.30%

Run 7: Report of TCP Vegas — Data Link

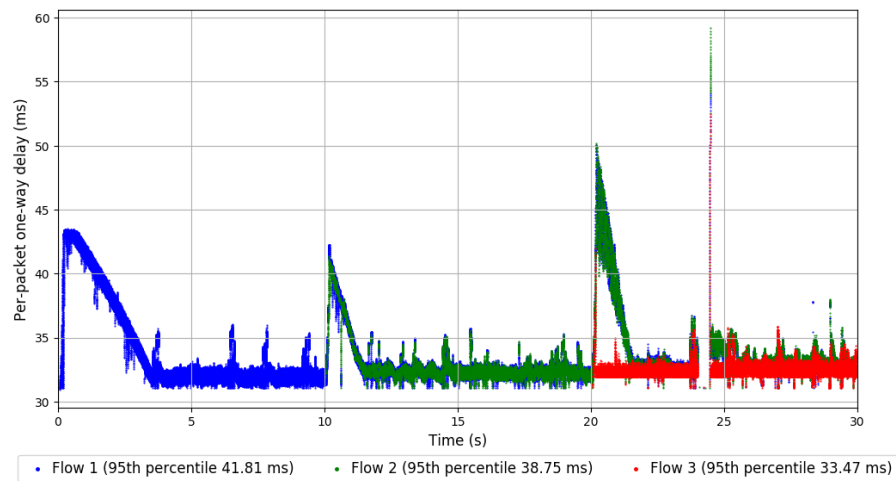
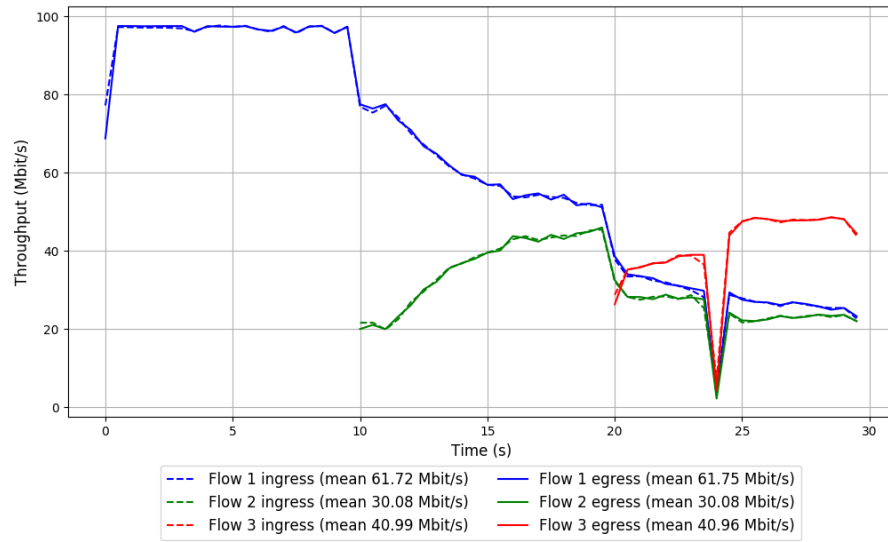


Run 8: Statistics of TCP Vegas

Start at: 2017-12-05 21:11:10
End at: 2017-12-05 21:11:40
Local clock offset: 4.119 ms
Remote clock offset: -11.889 ms

Below is generated by plot.py at 2017-12-06 00:47:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 40.915 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 41.815 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.08 Mbit/s
95th percentile per-packet one-way delay: 38.747 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 33.469 ms
Loss rate: 0.32%

Run 8: Report of TCP Vegas — Data Link

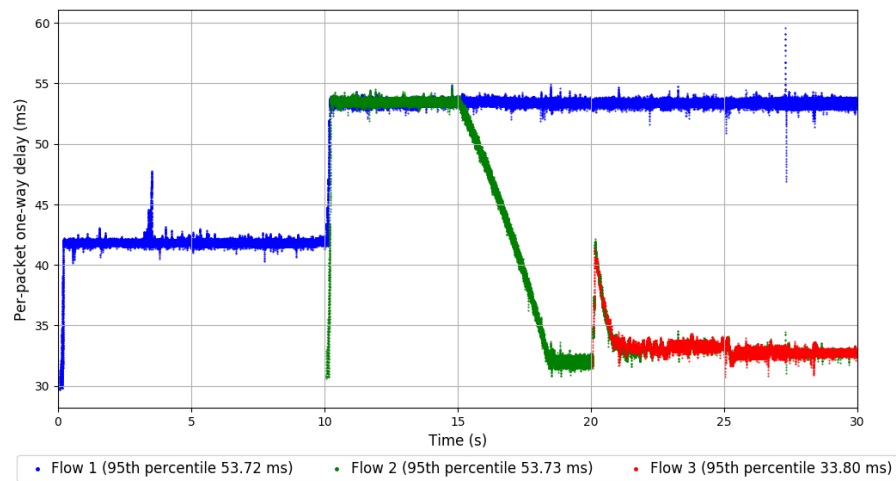
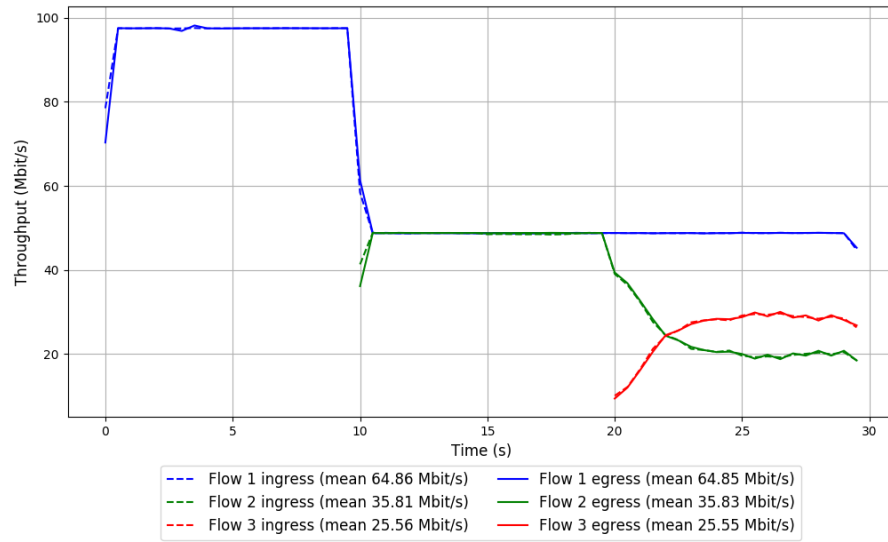


Run 9: Statistics of TCP Vegas

Start at: 2017-12-05 21:28:00
End at: 2017-12-05 21:28:30
Local clock offset: 3.983 ms
Remote clock offset: -11.285 ms

Below is generated by plot.py at 2017-12-06 00:47:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 53.712 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 53.718 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 53.728 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.55 Mbit/s
95th percentile per-packet one-way delay: 33.803 ms
Loss rate: 0.31%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-12-05 21:44:42

End at: 2017-12-05 21:45:12

Local clock offset: 6.831 ms

Remote clock offset: -13.546 ms

Run 10: Report of TCP Vegas — Data Link

Figure is missing

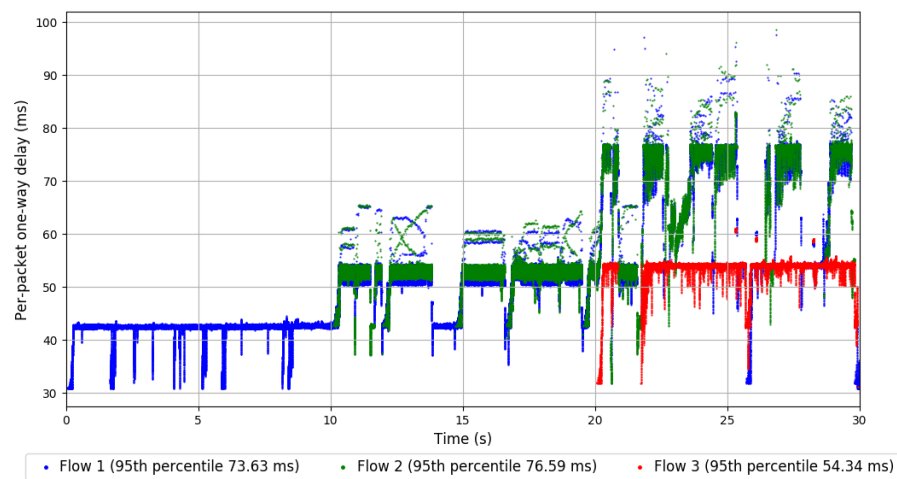
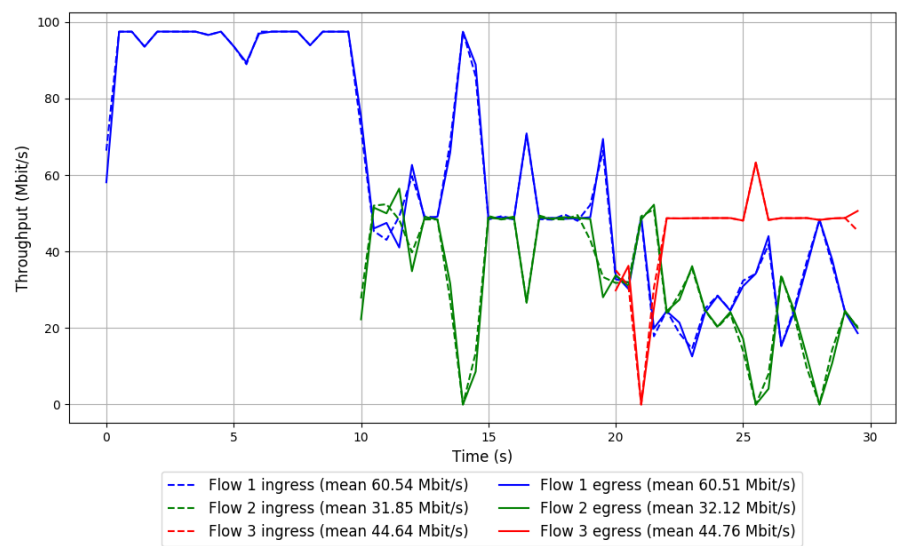
Figure is missing

Run 1: Statistics of Verus

Start at: 2017-12-05 18:59:02
End at: 2017-12-05 18:59:32
Local clock offset: 5.503 ms
Remote clock offset: -16.209 ms

Below is generated by plot.py at 2017-12-06 00:48:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 75.059 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 60.51 Mbit/s
95th percentile per-packet one-way delay: 73.633 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 76.588 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 54.339 ms
Loss rate: 0.02%

Run 1: Report of Verus — Data Link

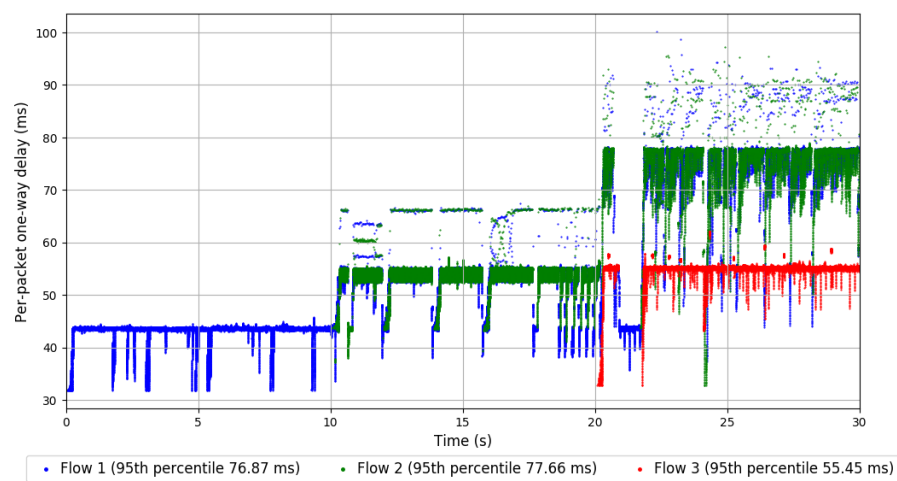
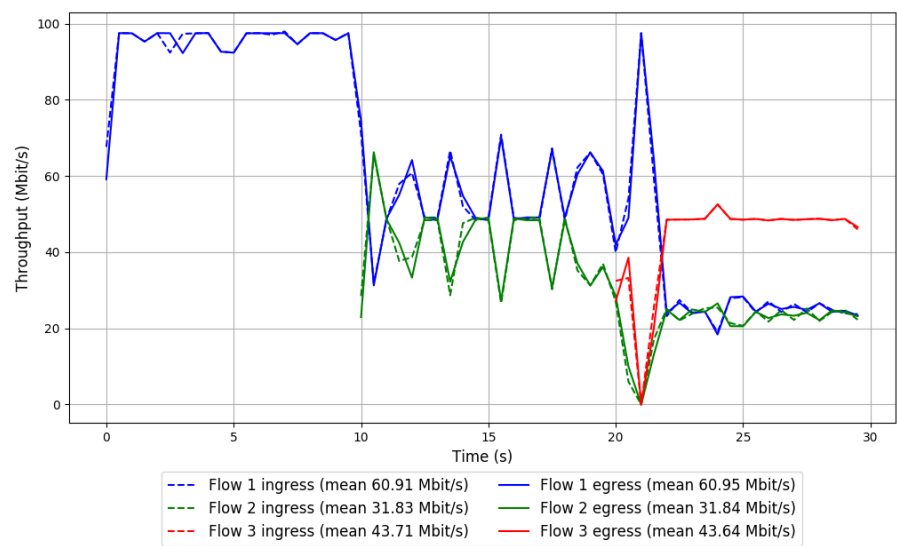


Run 2: Statistics of Verus

Start at: 2017-12-05 19:16:30
End at: 2017-12-05 19:17:00
Local clock offset: 6.244 ms
Remote clock offset: -15.402 ms

Below is generated by plot.py at 2017-12-06 00:48:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 77.280 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 76.874 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 31.84 Mbit/s
95th percentile per-packet one-way delay: 77.659 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 43.64 Mbit/s
95th percentile per-packet one-way delay: 55.446 ms
Loss rate: 0.55%

Run 2: Report of Verus — Data Link

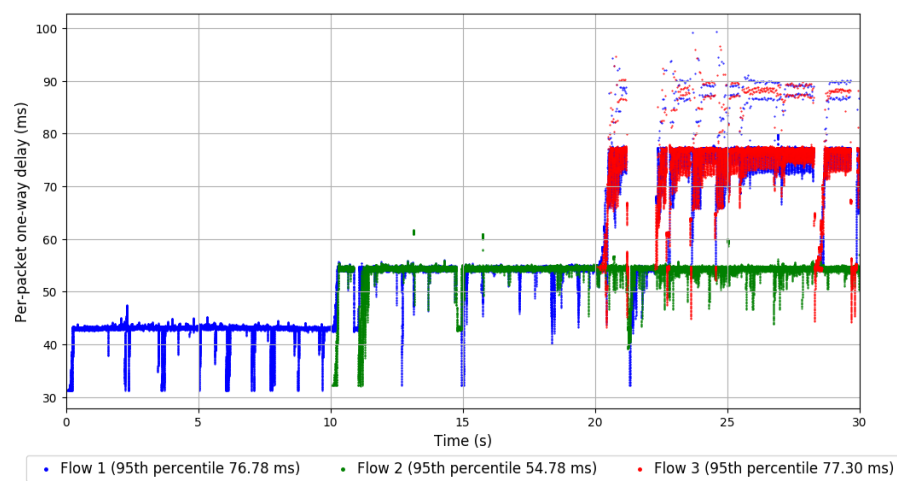
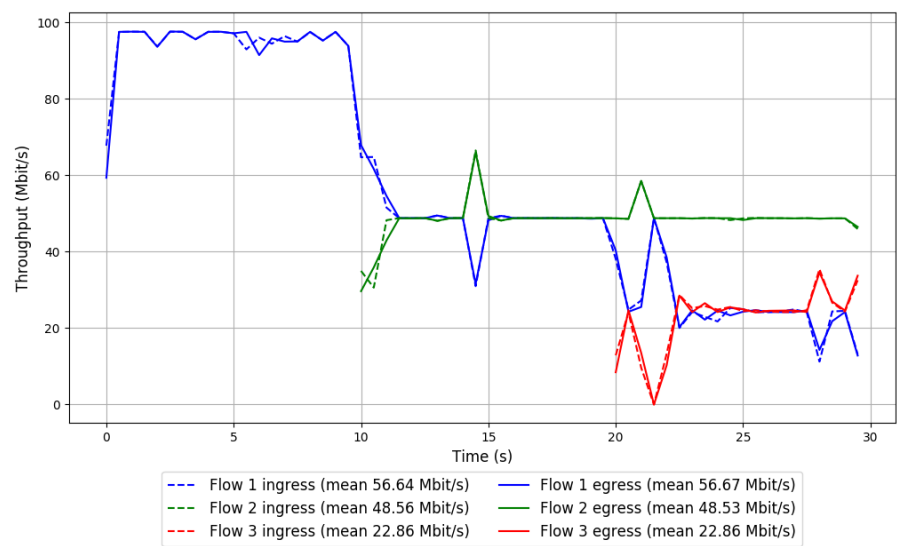


Run 3: Statistics of Verus

Start at: 2017-12-05 19:33:58
End at: 2017-12-05 19:34:28
Local clock offset: 6.908 ms
Remote clock offset: -13.903 ms

Below is generated by plot.py at 2017-12-06 00:48:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 76.888 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 76.780 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 54.780 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 77.295 ms
Loss rate: 0.60%

Run 3: Report of Verus — Data Link

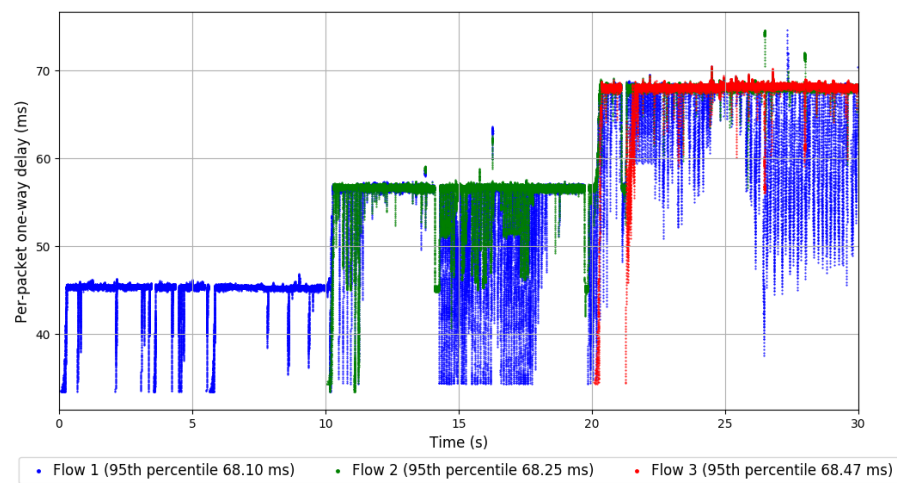
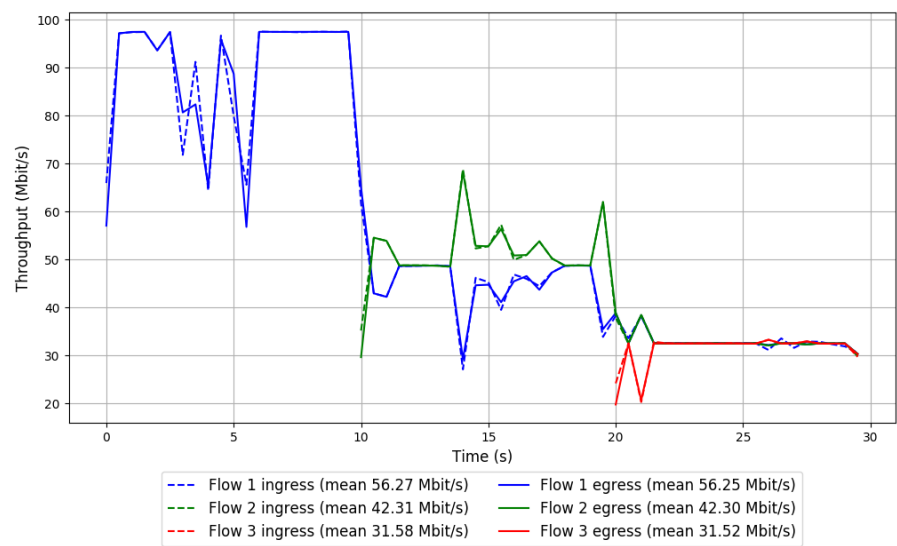


Run 4: Statistics of Verus

Start at: 2017-12-05 19:51:12
End at: 2017-12-05 19:51:42
Local clock offset: 7.7 ms
Remote clock offset: -14.62 ms

Below is generated by plot.py at 2017-12-06 00:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 68.271 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.25 Mbit/s
95th percentile per-packet one-way delay: 68.096 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 68.251 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.52 Mbit/s
95th percentile per-packet one-way delay: 68.468 ms
Loss rate: 0.62%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

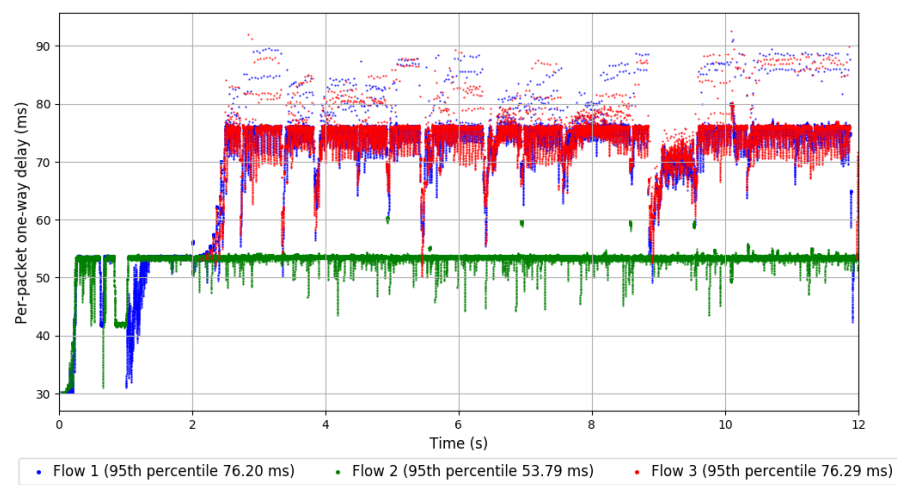
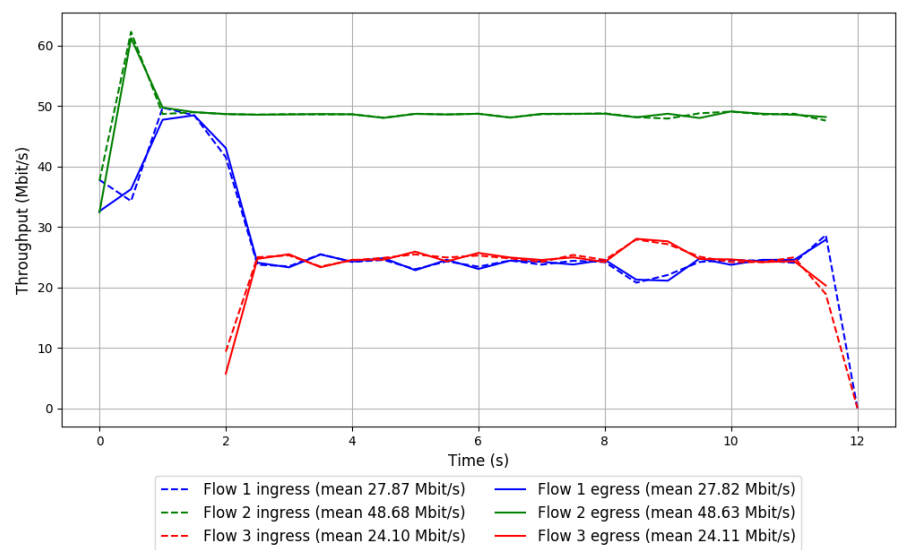
Start at: 2017-12-05 20:08:23

End at: 2017-12-05 20:08:53

Local clock offset: 6.318 ms

Remote clock offset: -11.823 ms

Run 5: Report of Verus — Data Link

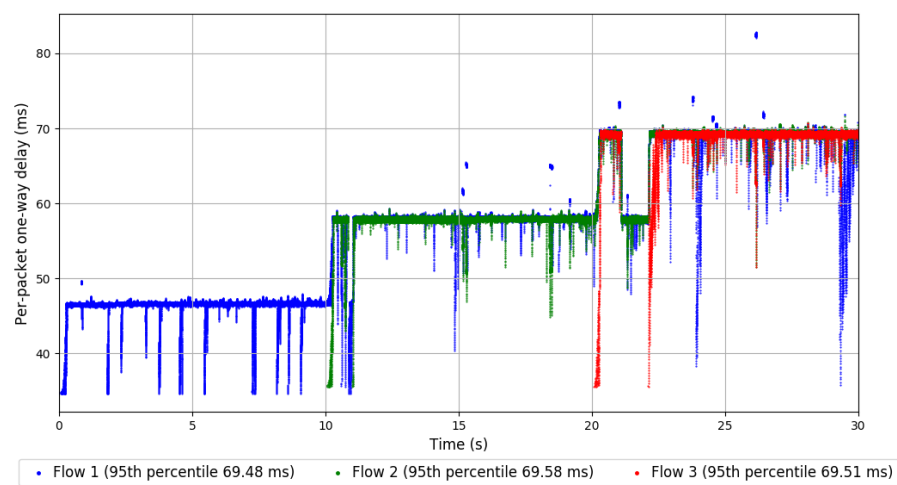
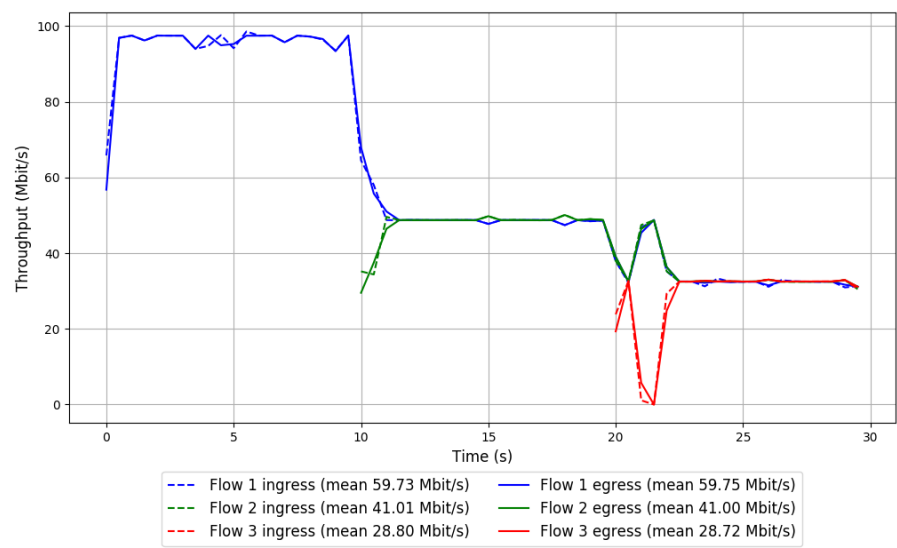


Run 6: Statistics of Verus

Start at: 2017-12-05 20:25:04
End at: 2017-12-05 20:25:34
Local clock offset: 8.361 ms
Remote clock offset: -13.485 ms

Below is generated by plot.py at 2017-12-06 00:49:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 69.527 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.75 Mbit/s
95th percentile per-packet one-way delay: 69.477 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 69.583 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 69.513 ms
Loss rate: 0.68%

Run 6: Report of Verus — Data Link

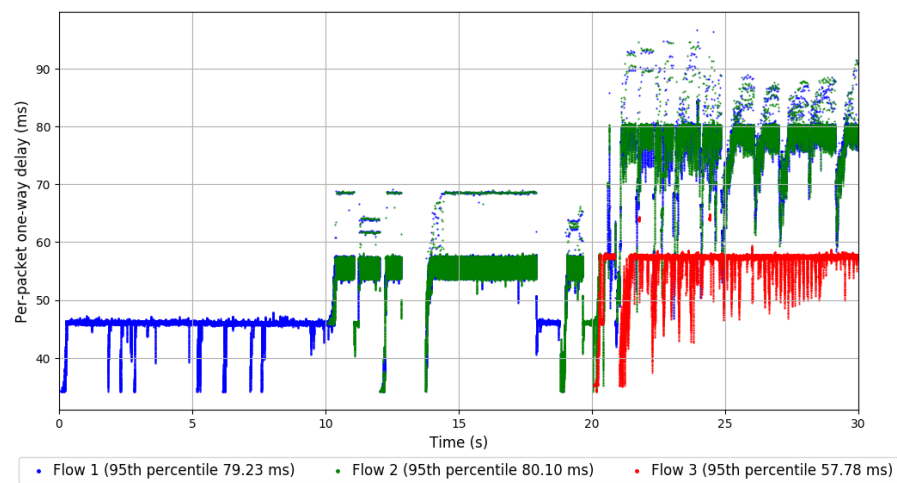
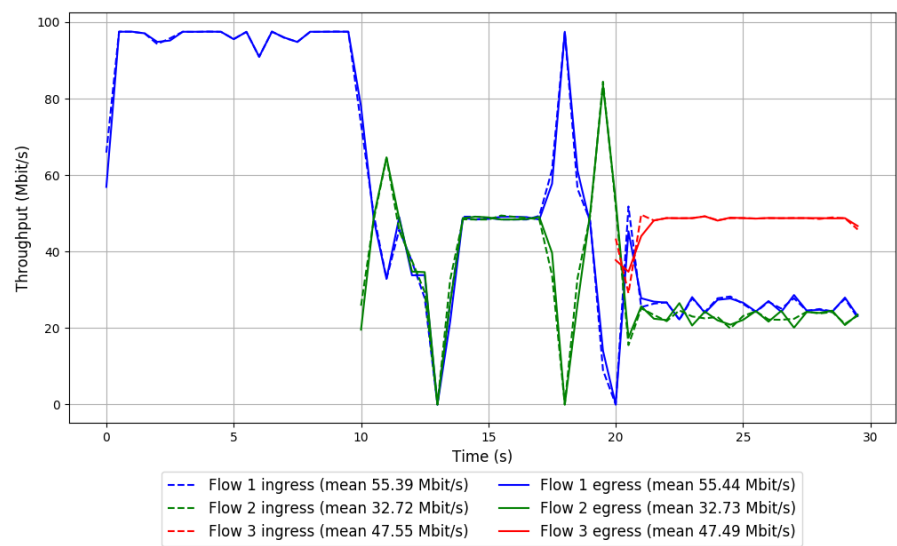


Run 7: Statistics of Verus

Start at: 2017-12-05 20:42:03
End at: 2017-12-05 20:42:33
Local clock offset: 8.216 ms
Remote clock offset: -12.107 ms

Below is generated by plot.py at 2017-12-06 00:49:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 79.555 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 55.44 Mbit/s
95th percentile per-packet one-way delay: 79.235 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 80.098 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 57.783 ms
Loss rate: 0.49%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

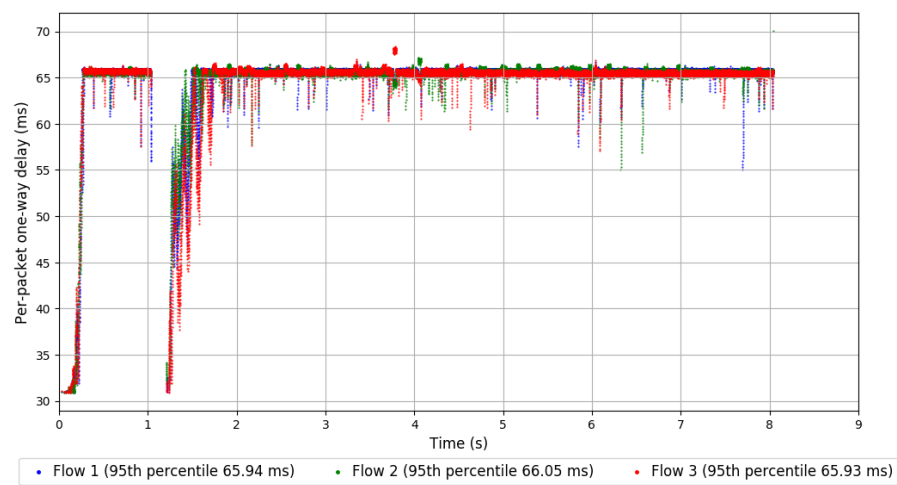
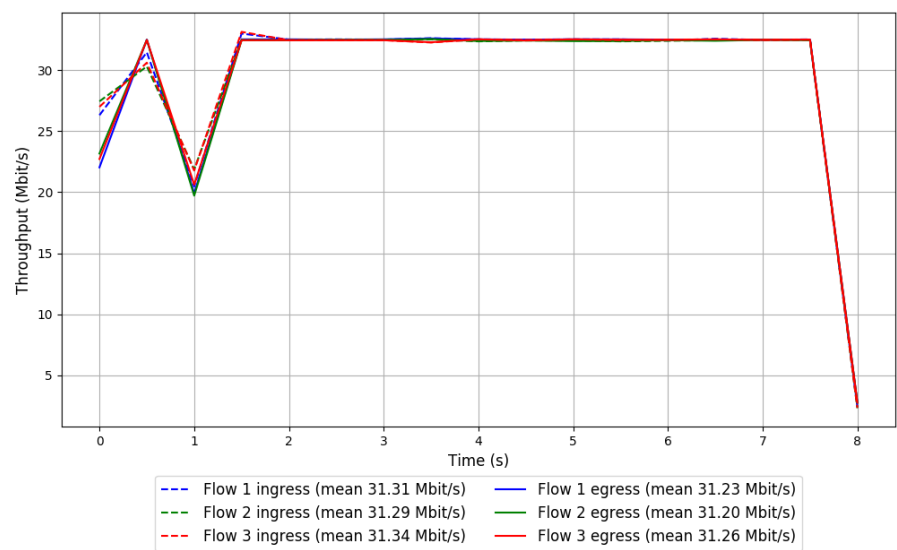
Start at: 2017-12-05 20:59:14

End at: 2017-12-05 20:59:44

Local clock offset: 3.41 ms

Remote clock offset: -12.817 ms

Run 8: Report of Verus — Data Link

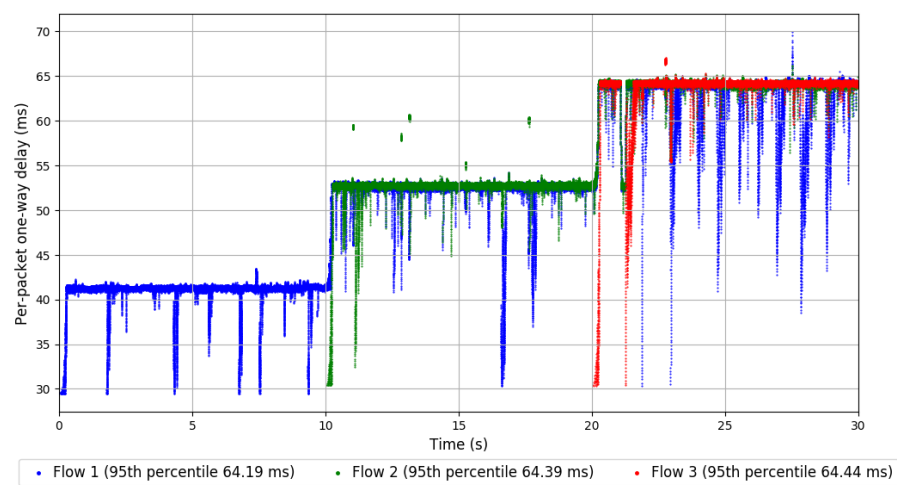
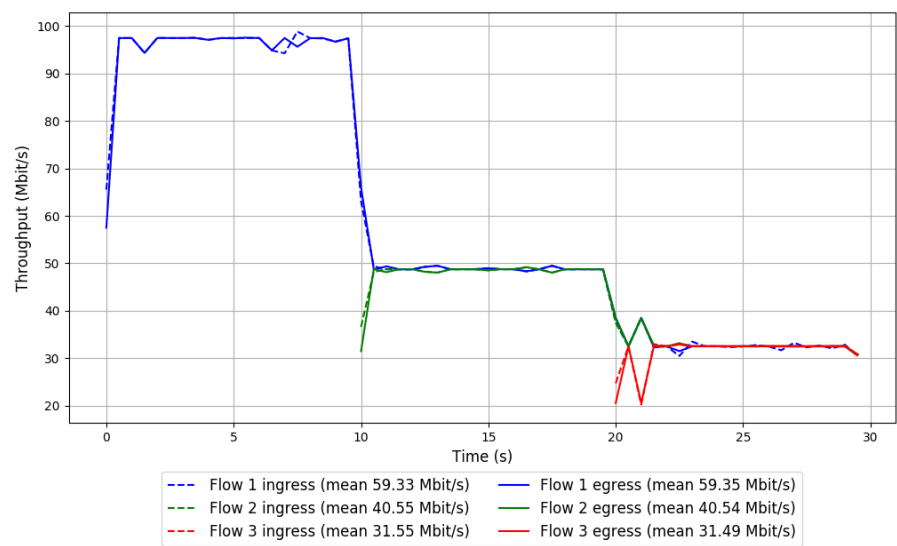


Run 9: Statistics of Verus

Start at: 2017-12-05 21:15:47
End at: 2017-12-05 21:16:17
Local clock offset: 3.12 ms
Remote clock offset: -11.464 ms

Below is generated by plot.py at 2017-12-06 00:49:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 64.362 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 64.194 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 64.393 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 64.444 ms
Loss rate: 0.62%

Run 9: Report of Verus — Data Link

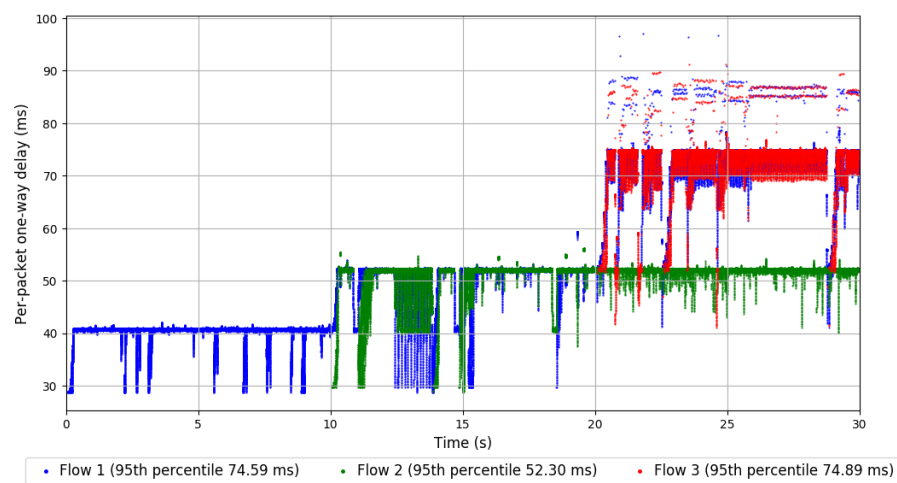
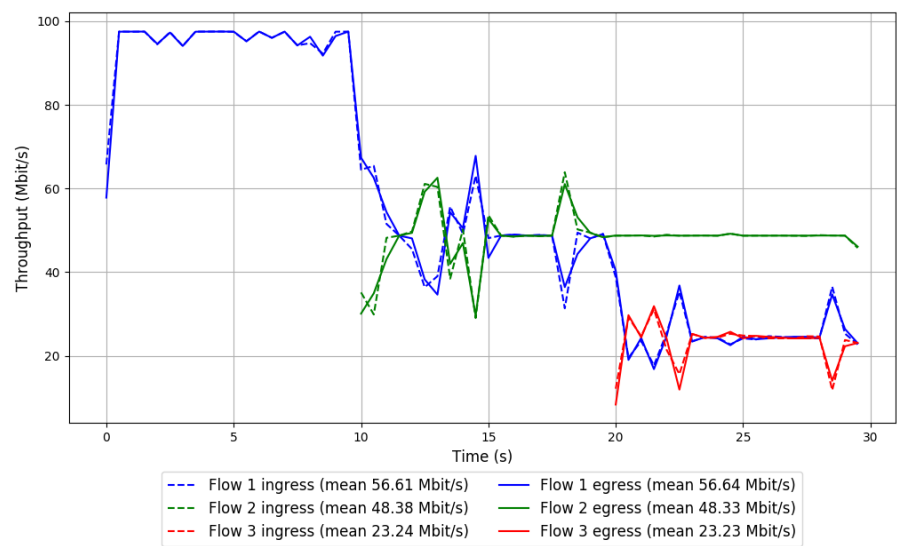


Run 10: Statistics of Verus

Start at: 2017-12-05 21:32:39
End at: 2017-12-05 21:33:09
Local clock offset: 3.217 ms
Remote clock offset: -10.687 ms

Below is generated by plot.py at 2017-12-06 00:49:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 74.670 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 74.587 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 52.296 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 74.894 ms
Loss rate: 0.72%

Run 10: Report of Verus — Data Link

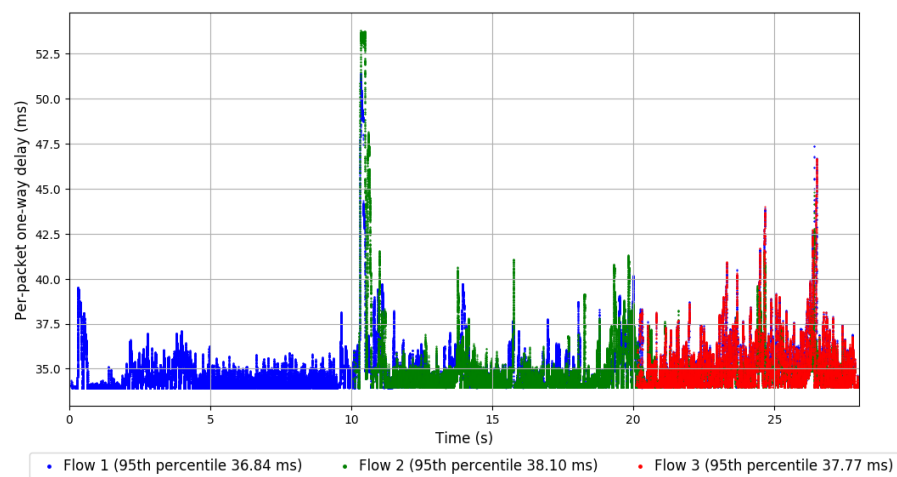
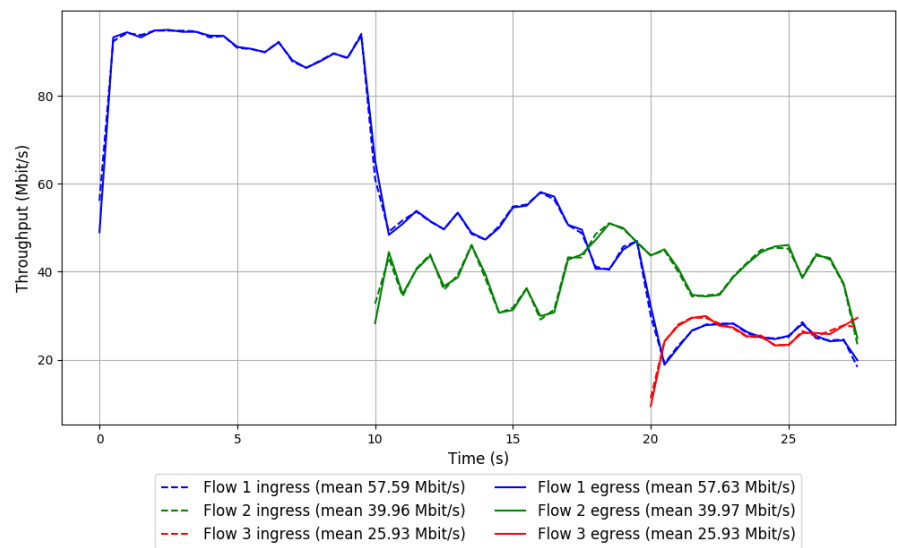


Run 1: Statistics of Copa

Start at: 2017-12-05 19:02:47
End at: 2017-12-05 19:03:17
Local clock offset: 9.23 ms
Remote clock offset: -15.359 ms

Below is generated by plot.py at 2017-12-06 00:50:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 37.274 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 36.835 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.97 Mbit/s
95th percentile per-packet one-way delay: 38.105 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 37.769 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

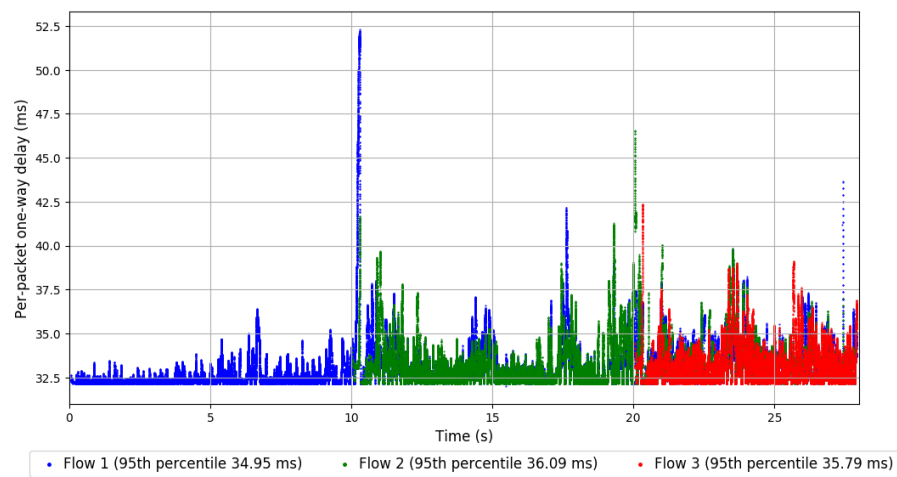
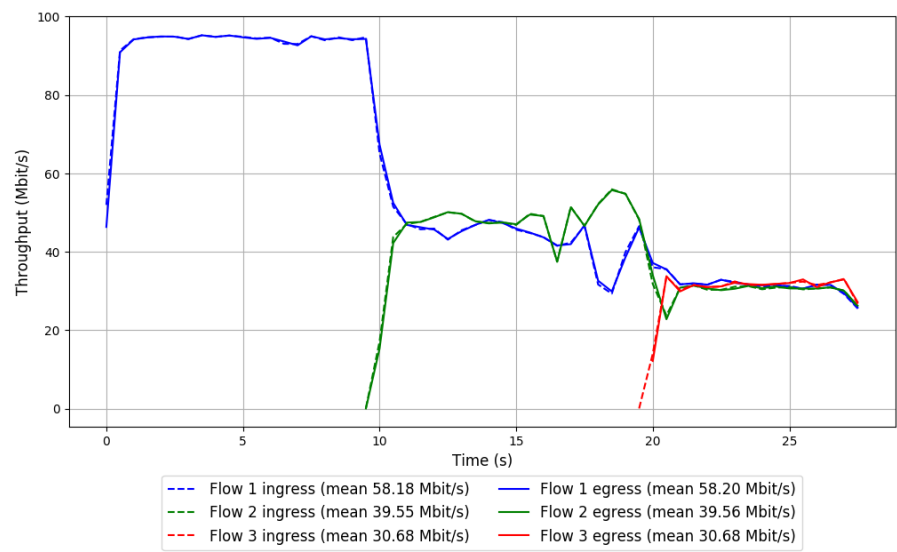


Run 2: Statistics of Copa

Start at: 2017-12-05 19:20:21
End at: 2017-12-05 19:20:51
Local clock offset: 6.938 ms
Remote clock offset: -14.973 ms

Below is generated by plot.py at 2017-12-06 00:50:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 35.380 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 34.951 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 36.095 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.68 Mbit/s
95th percentile per-packet one-way delay: 35.789 ms
Loss rate: 0.35%

Run 2: Report of Copa — Data Link

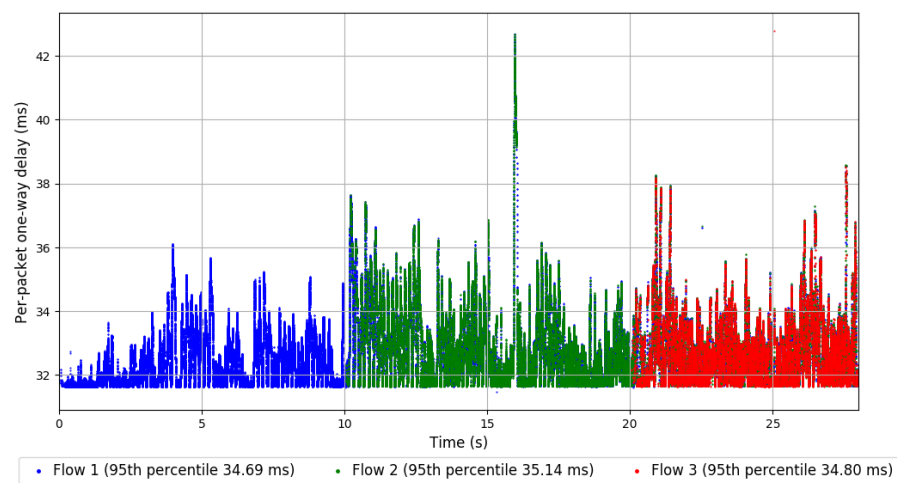
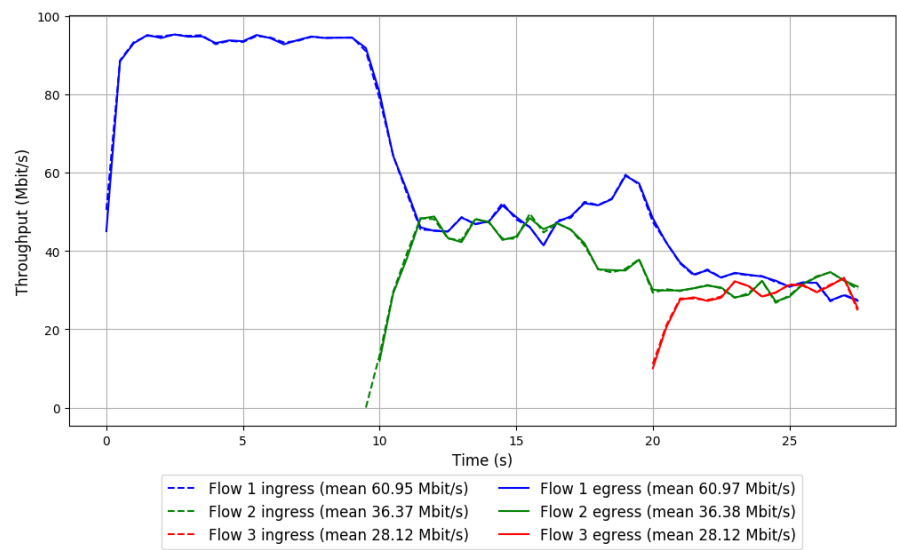


Run 3: Statistics of Copa

Start at: 2017-12-05 19:37:40
End at: 2017-12-05 19:38:10
Local clock offset: 5.95 ms
Remote clock offset: -14.997 ms

Below is generated by plot.py at 2017-12-06 00:50:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 34.825 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 60.97 Mbit/s
95th percentile per-packet one-way delay: 34.688 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 35.144 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 34.804 ms
Loss rate: 0.34%

Run 3: Report of Copa — Data Link

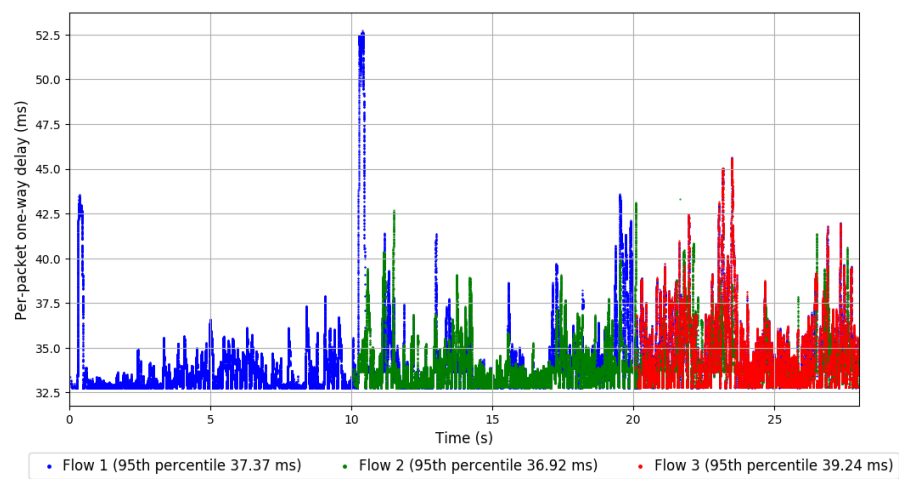
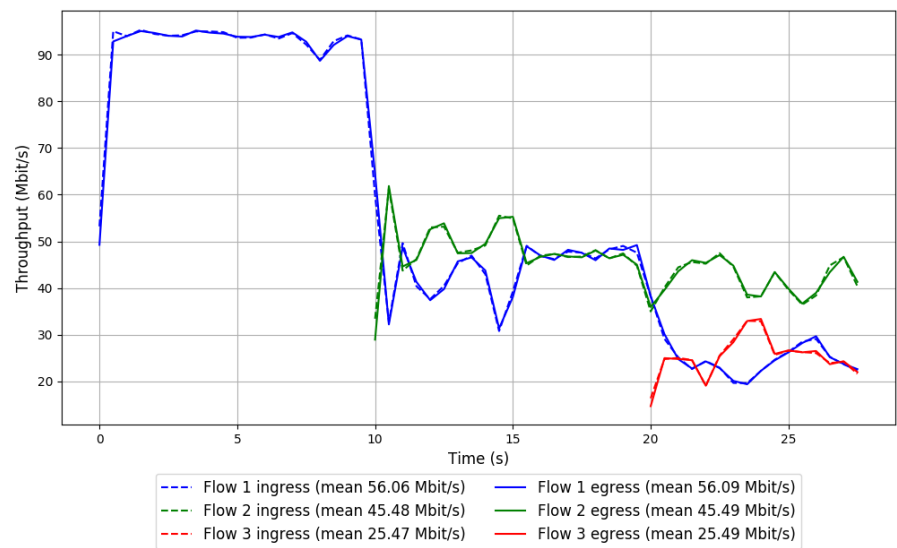


Run 4: Statistics of Copa

Start at: 2017-12-05 19:54:54
End at: 2017-12-05 19:55:24
Local clock offset: 8.991 ms
Remote clock offset: -12.572 ms

Below is generated by plot.py at 2017-12-06 00:50:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 37.469 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 37.372 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 36.917 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 39.237 ms
Loss rate: 0.29%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

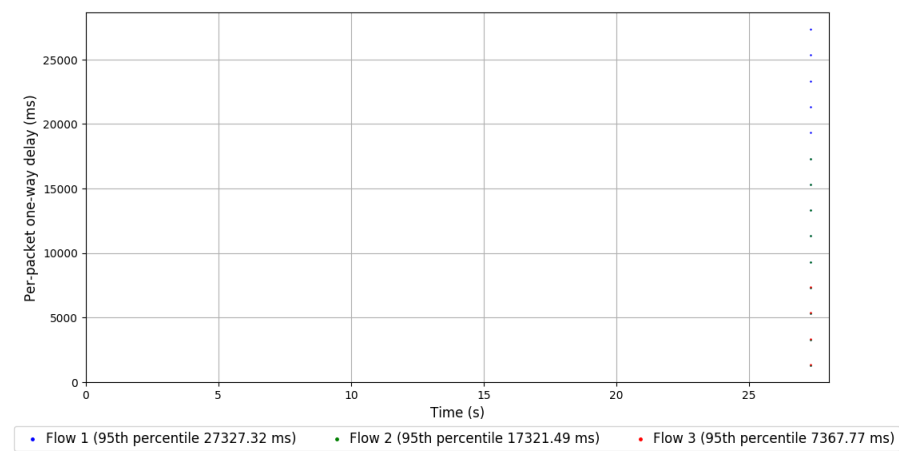
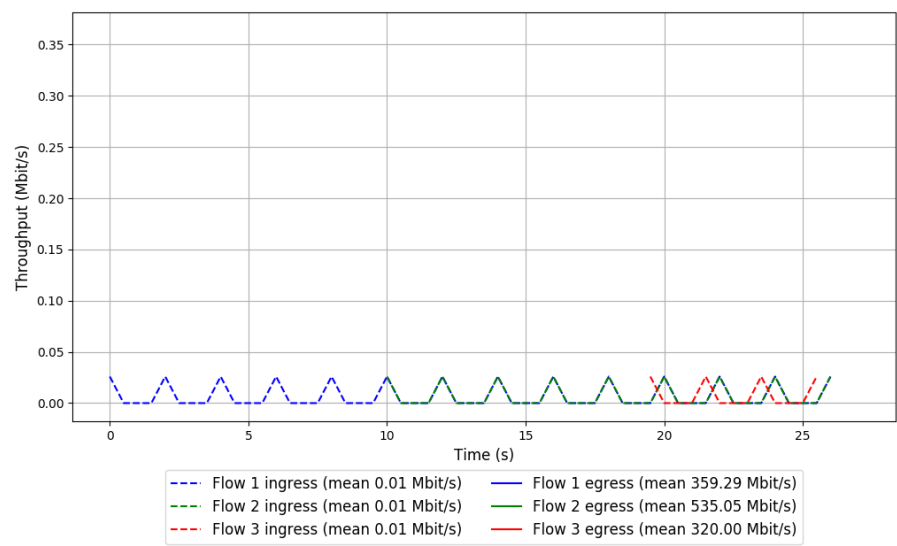
Start at: 2017-12-05 20:12:09

End at: 2017-12-05 20:12:39

Local clock offset: 8.449 ms

Remote clock offset: -13.026 ms

Run 5: Report of Copa — Data Link

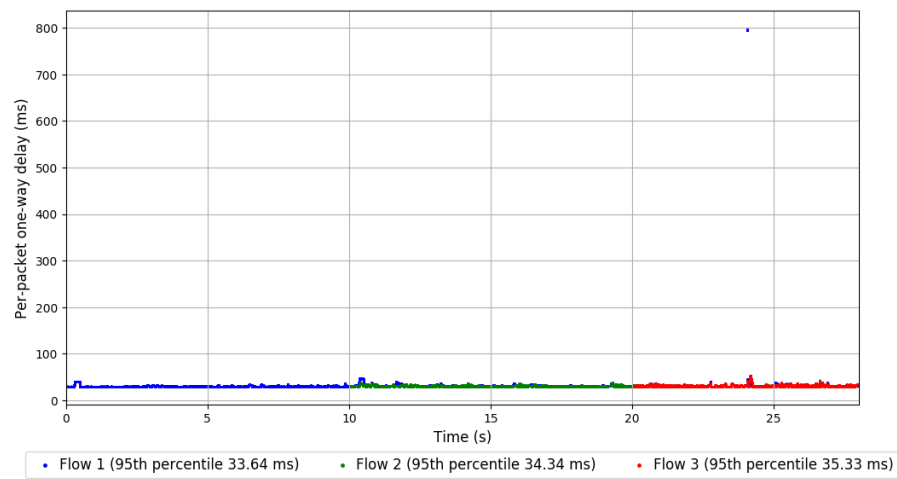
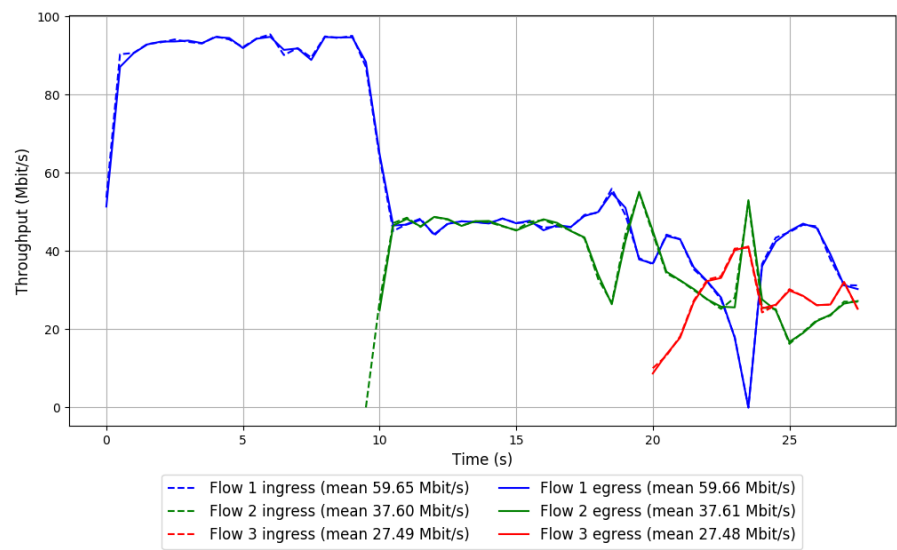


Run 6: Statistics of Copa

Start at: 2017-12-05 20:28:45
End at: 2017-12-05 20:29:15
Local clock offset: 3.892 ms
Remote clock offset: -12.977 ms

Below is generated by plot.py at 2017-12-06 00:51:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: 34.092 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.66 Mbit/s
95th percentile per-packet one-way delay: 33.639 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 34.337 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 27.48 Mbit/s
95th percentile per-packet one-way delay: 35.333 ms
Loss rate: 0.34%

Run 6: Report of Copa — Data Link

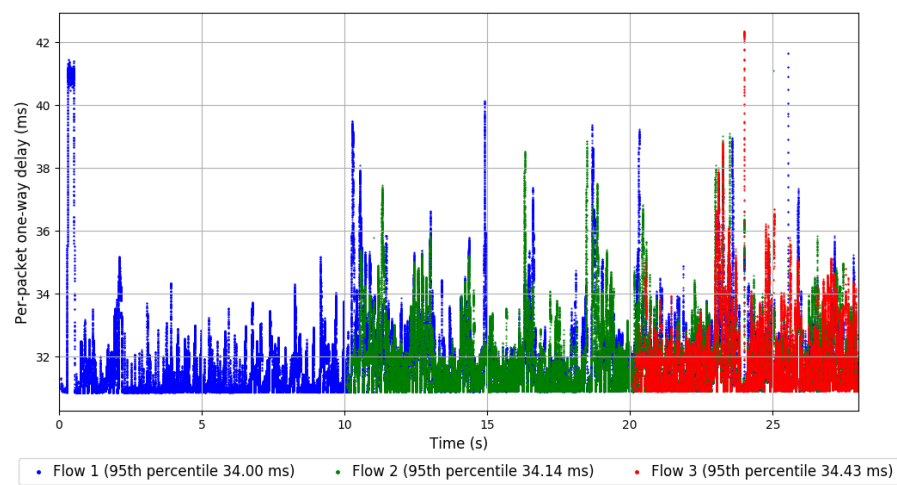
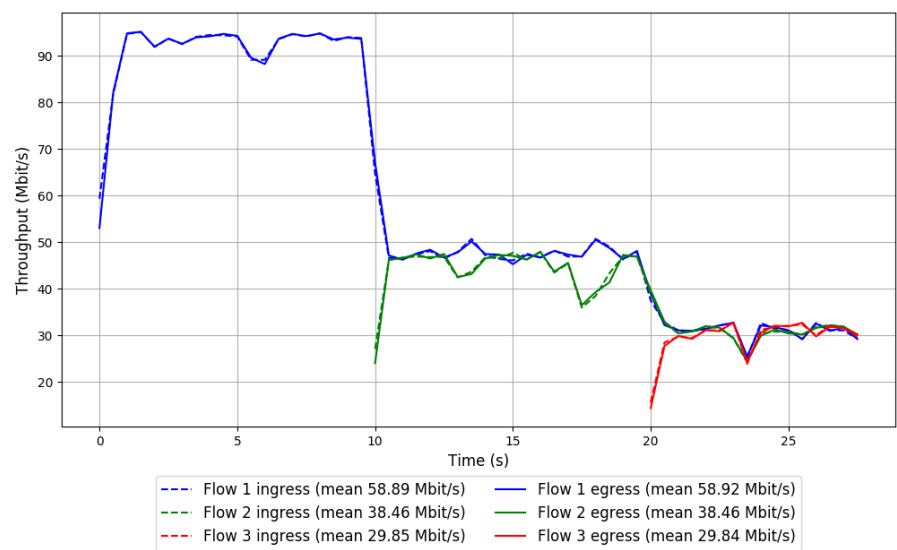


Run 7: Statistics of Copa

Start at: 2017-12-05 20:45:50
End at: 2017-12-05 20:46:20
Local clock offset: 4.841 ms
Remote clock offset: -11.855 ms

Below is generated by plot.py at 2017-12-06 00:51:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 34.105 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 34.002 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 34.144 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 29.84 Mbit/s
95th percentile per-packet one-way delay: 34.427 ms
Loss rate: 0.36%

Run 7: Report of Copa — Data Link

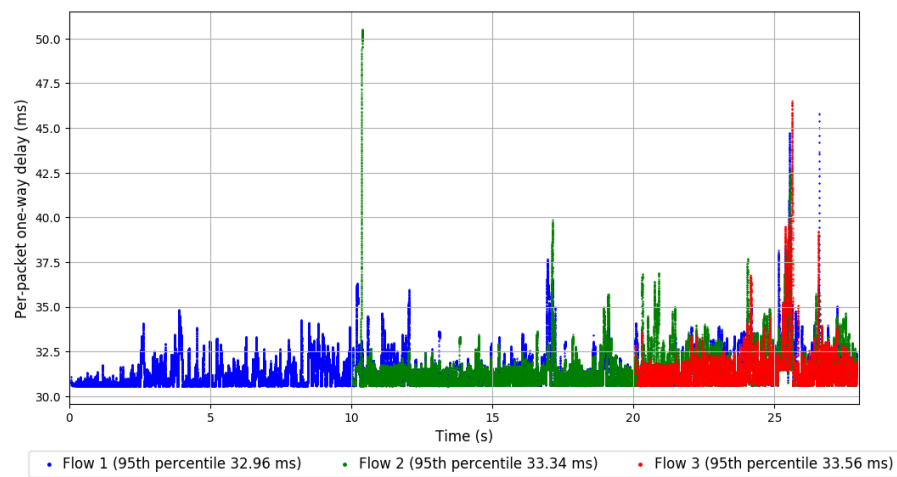
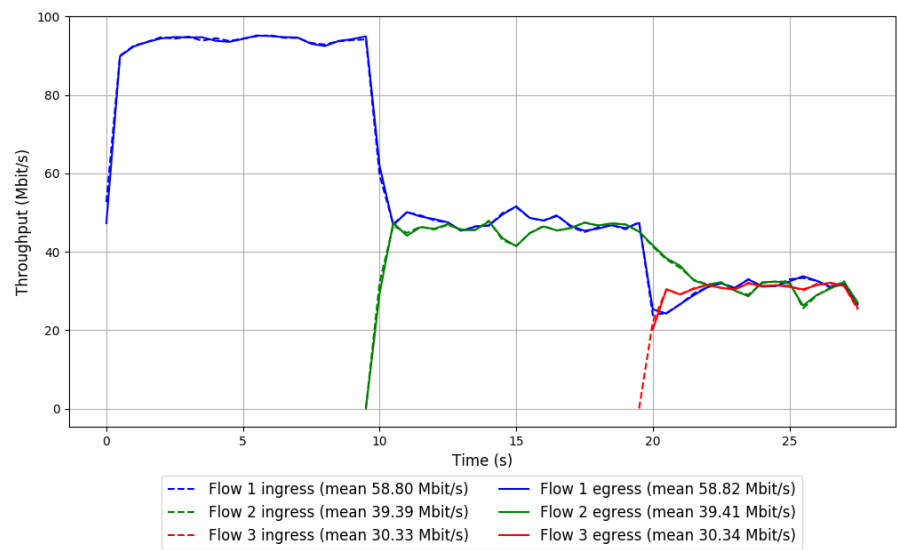


Run 8: Statistics of Copa

Start at: 2017-12-05 21:02:43
End at: 2017-12-05 21:03:13
Local clock offset: 4.232 ms
Remote clock offset: -11.357 ms

Below is generated by plot.py at 2017-12-06 00:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 33.117 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 32.963 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 33.339 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 33.561 ms
Loss rate: 0.32%

Run 8: Report of Copa — Data Link

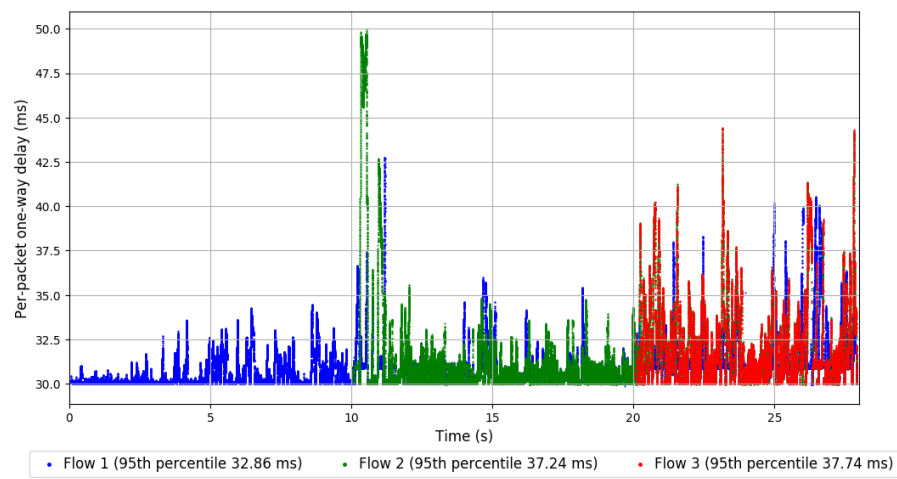
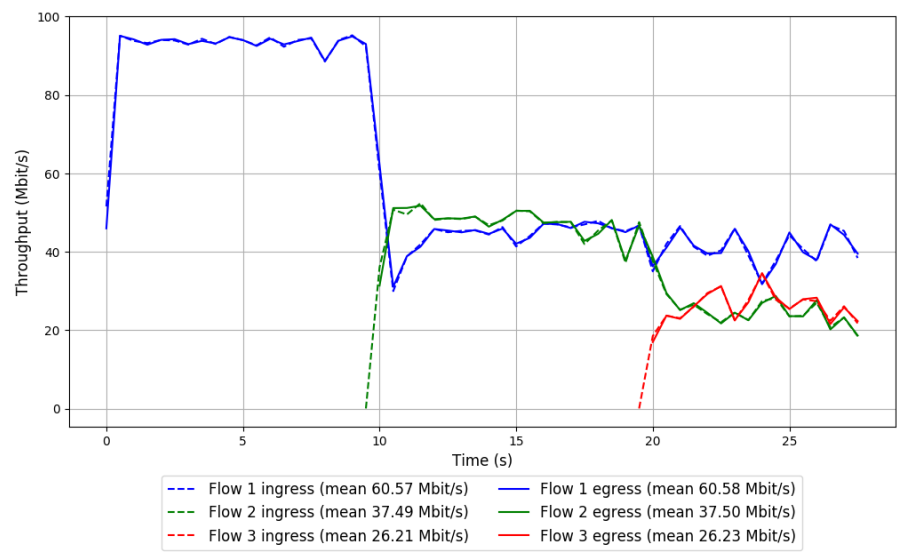


Run 9: Statistics of Copa

Start at: 2017-12-05 21:19:29
End at: 2017-12-05 21:19:59
Local clock offset: 2.728 ms
Remote clock offset: -12.54 ms

Below is generated by plot.py at 2017-12-06 00:51:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 34.193 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 60.58 Mbit/s
95th percentile per-packet one-way delay: 32.862 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 37.238 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 37.738 ms
Loss rate: 0.30%

Run 9: Report of Copa — Data Link

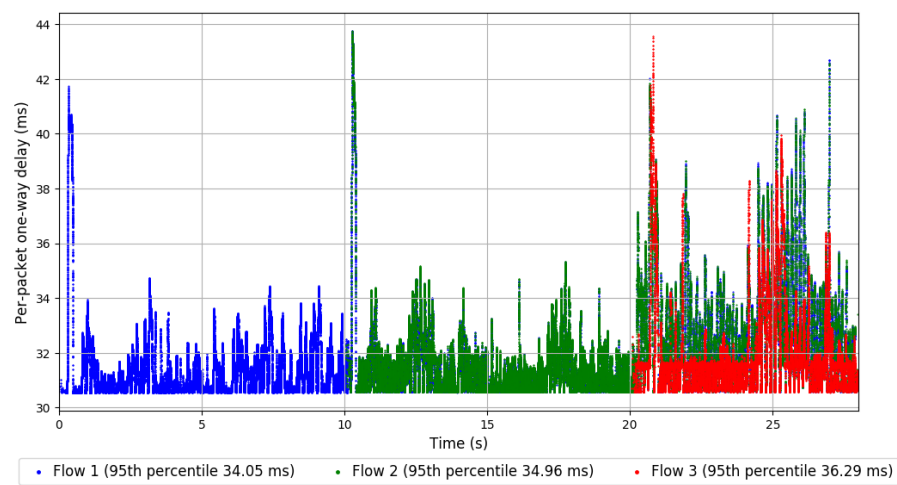
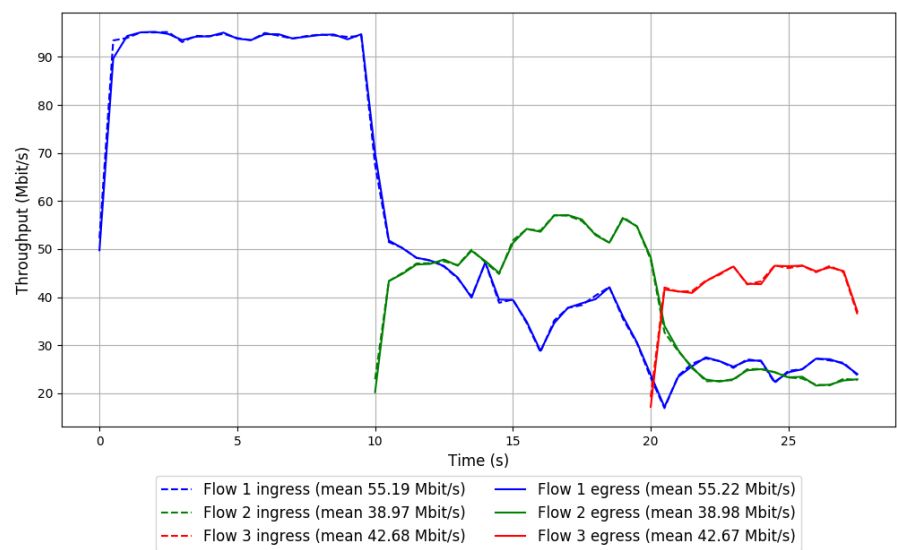


Run 10: Statistics of Copa

Start at: 2017-12-05 21:36:17
End at: 2017-12-05 21:36:47
Local clock offset: 4.362 ms
Remote clock offset: -11.167 ms

Below is generated by plot.py at 2017-12-06 00:52:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 34.665 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.22 Mbit/s
95th percentile per-packet one-way delay: 34.048 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 34.964 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 42.67 Mbit/s
95th percentile per-packet one-way delay: 36.292 ms
Loss rate: 0.32%

Run 10: Report of Copa — Data Link

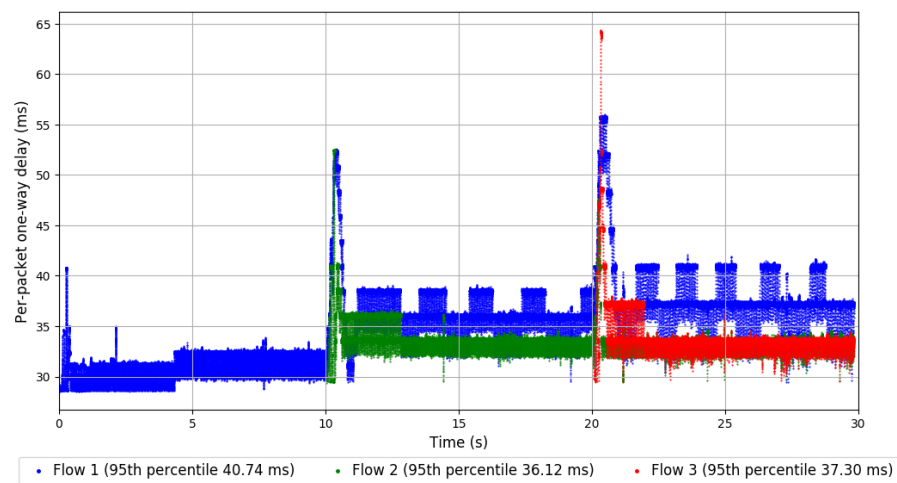
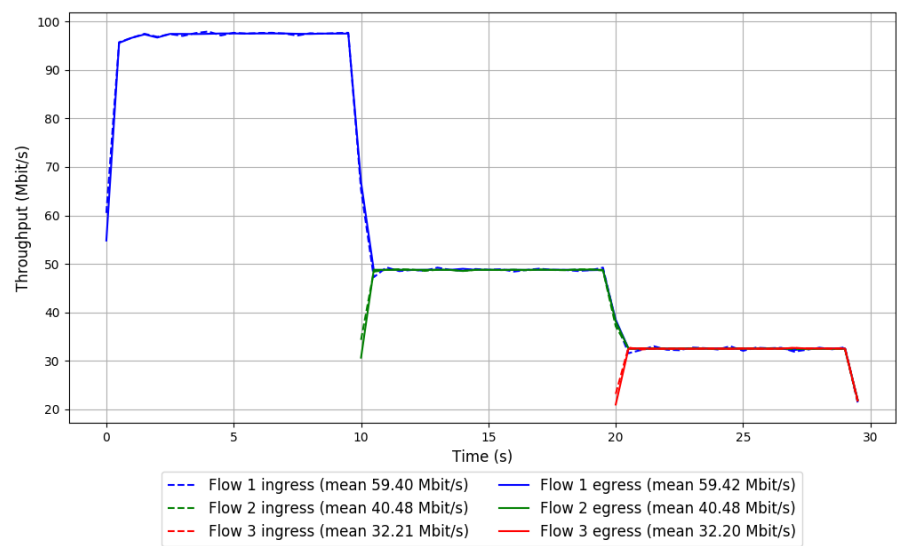


```
Run 1: Statistics of Indigo

Start at: 2017-12-05 18:55:30
End at: 2017-12-05 18:56:00
Local clock offset: 4.344 ms
Remote clock offset: -15.282 ms

# Below is generated by plot.py at 2017-12-06 00:52:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 38.628 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 40.744 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 36.120 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 37.305 ms
Loss rate: 0.30%
```


Run 1: Report of Indigo — Data Link

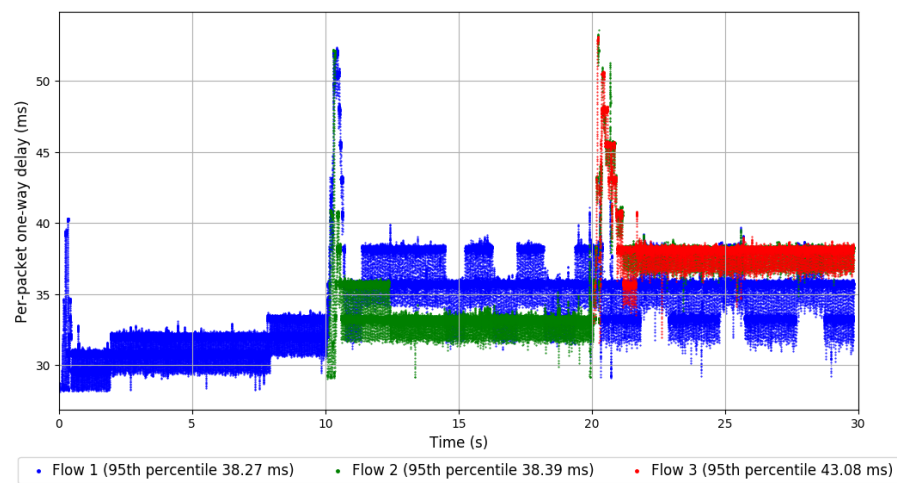
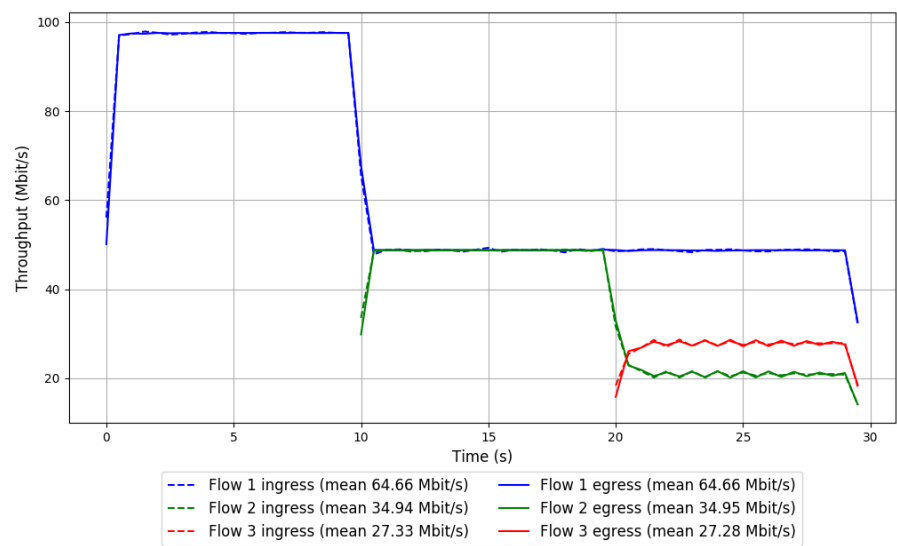


Run 2: Statistics of Indigo

Start at: 2017-12-05 19:13:04
End at: 2017-12-05 19:13:34
Local clock offset: 4.485 ms
Remote clock offset: -13.755 ms

Below is generated by plot.py at 2017-12-06 00:52:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 38.335 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 64.66 Mbit/s
95th percentile per-packet one-way delay: 38.265 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 38.390 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 27.28 Mbit/s
95th percentile per-packet one-way delay: 43.079 ms
Loss rate: 0.35%

Run 2: Report of Indigo — Data Link

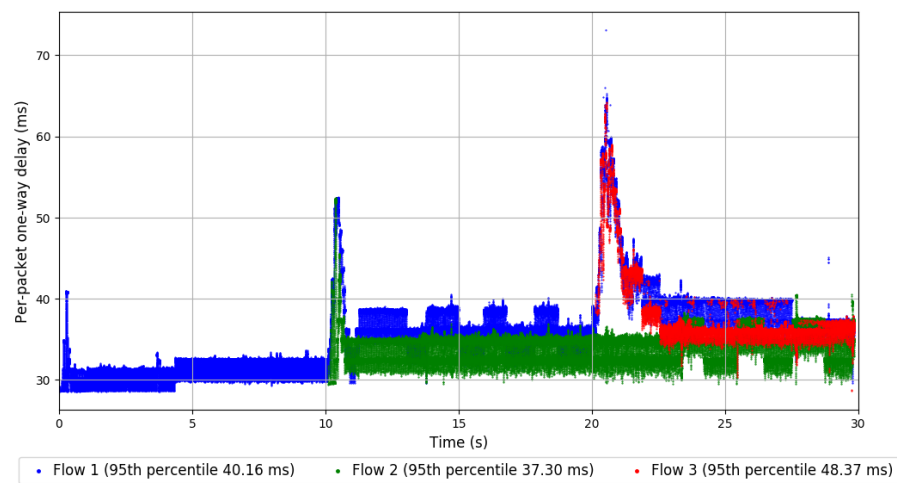
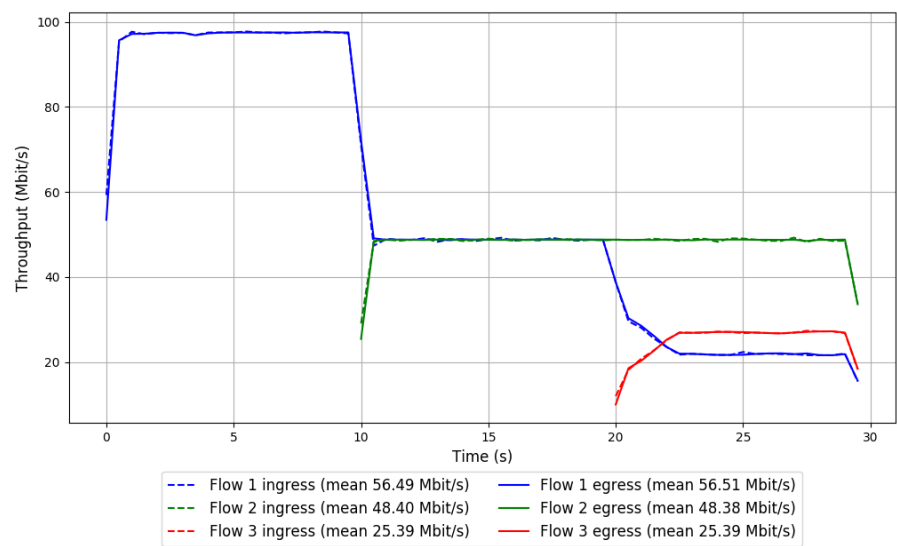


Run 3: Statistics of Indigo

Start at: 2017-12-05 19:30:31
End at: 2017-12-05 19:31:01
Local clock offset: 3.836 ms
Remote clock offset: -14.367 ms

Below is generated by plot.py at 2017-12-06 00:52:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 39.834 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 40.162 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 37.295 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 48.365 ms
Loss rate: 0.36%

Run 3: Report of Indigo — Data Link

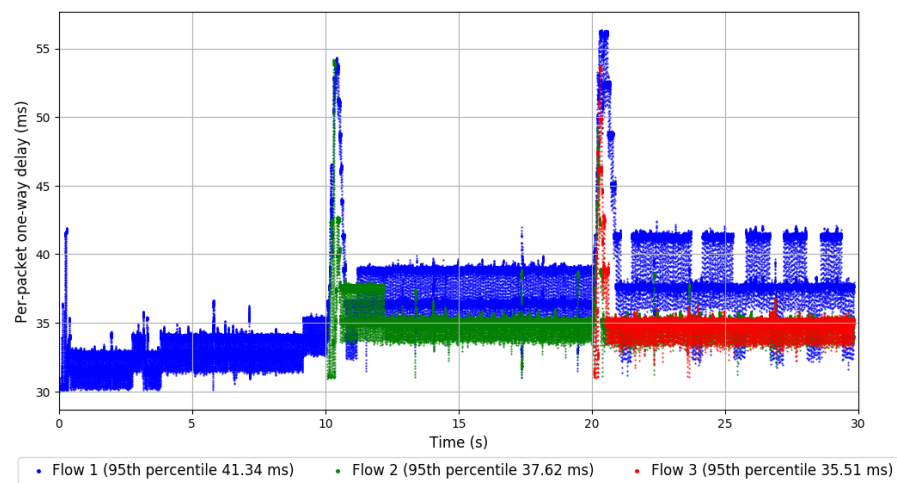
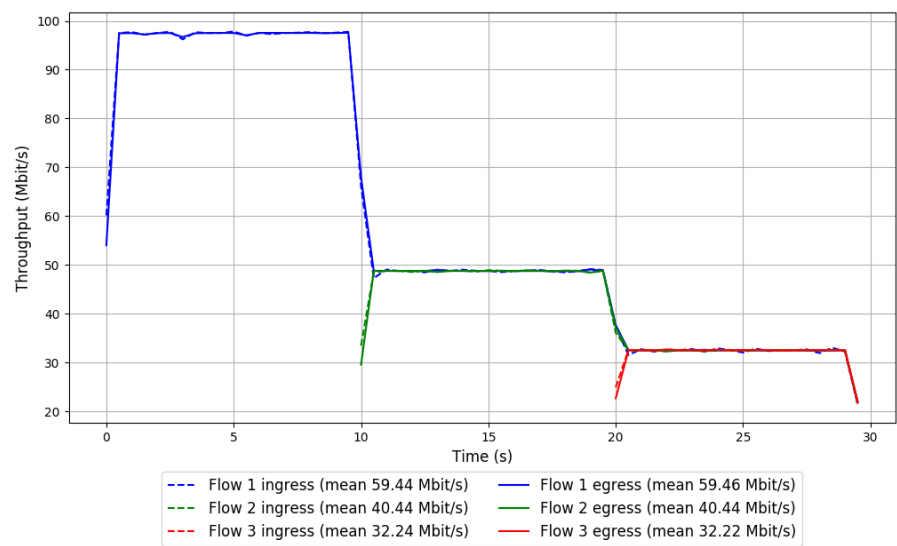


Run 4: Statistics of Indigo

Start at: 2017-12-05 19:47:44
End at: 2017-12-05 19:48:14
Local clock offset: 6.24 ms
Remote clock offset: -12.822 ms

Below is generated by plot.py at 2017-12-06 00:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 41.068 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 41.339 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 37.616 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.22 Mbit/s
95th percentile per-packet one-way delay: 35.506 ms
Loss rate: 0.30%

Run 4: Report of Indigo — Data Link

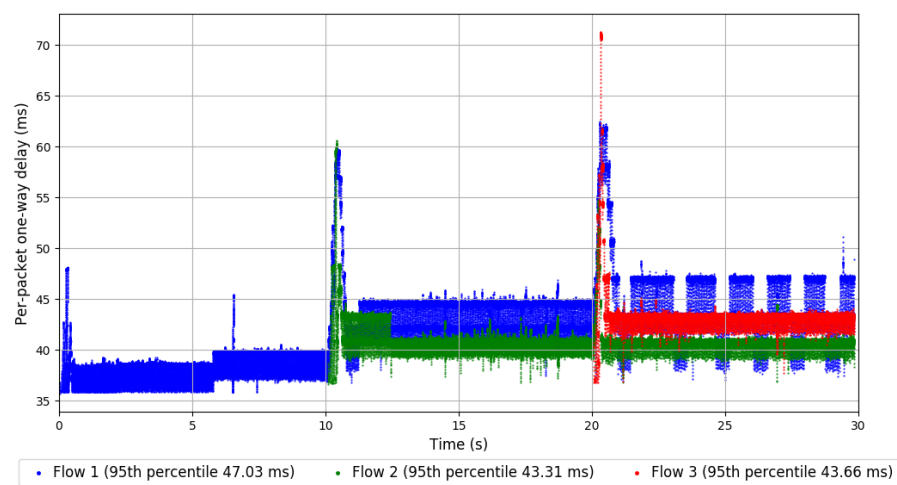
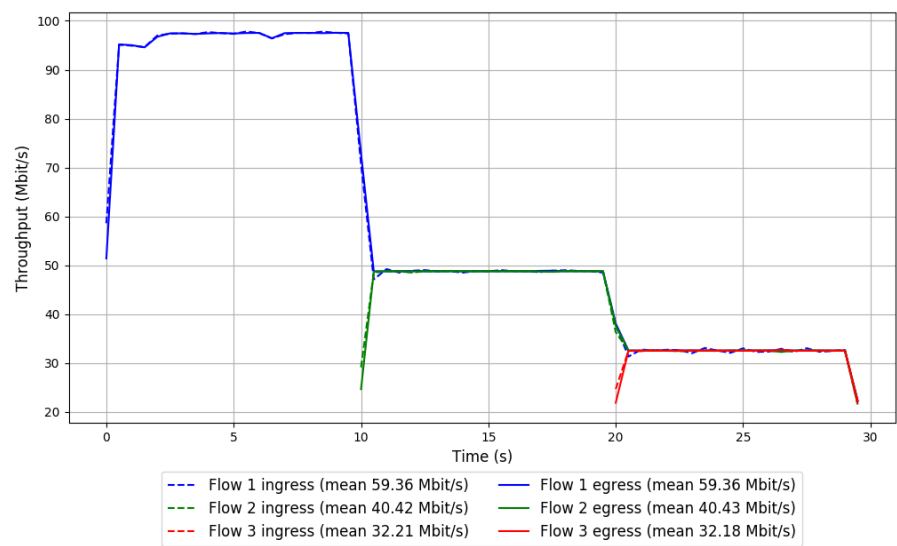


Run 5: Statistics of Indigo

Start at: 2017-12-05 20:04:54
End at: 2017-12-05 20:05:24
Local clock offset: 9.778 ms
Remote clock offset: -14.485 ms

Below is generated by plot.py at 2017-12-06 00:52:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 46.687 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 47.028 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 43.314 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 43.662 ms
Loss rate: 0.33%

Run 5: Report of Indigo — Data Link

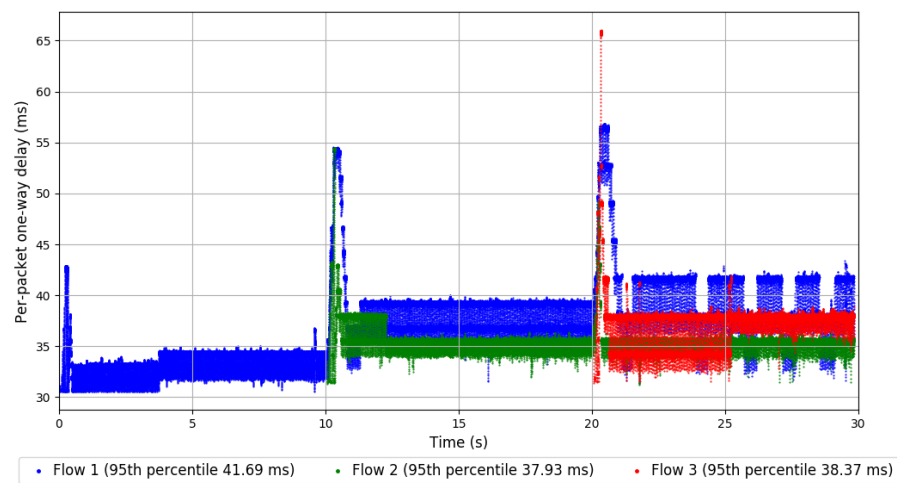
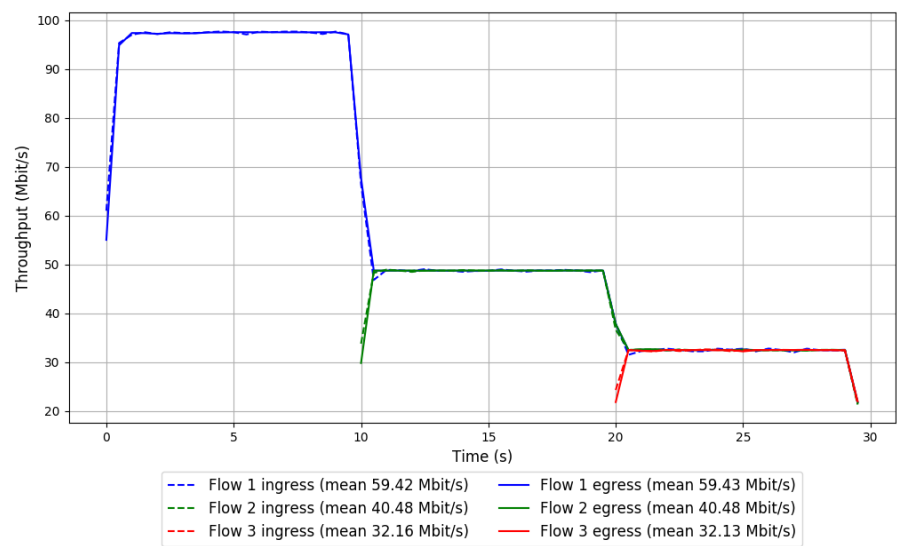


Run 6: Statistics of Indigo

Start at: 2017-12-05 20:21:39
End at: 2017-12-05 20:22:09
Local clock offset: 6.341 ms
Remote clock offset: -11.697 ms

Below is generated by plot.py at 2017-12-06 00:53:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 41.498 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 41.693 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 37.928 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.13 Mbit/s
95th percentile per-packet one-way delay: 38.369 ms
Loss rate: 0.32%

Run 6: Report of Indigo — Data Link

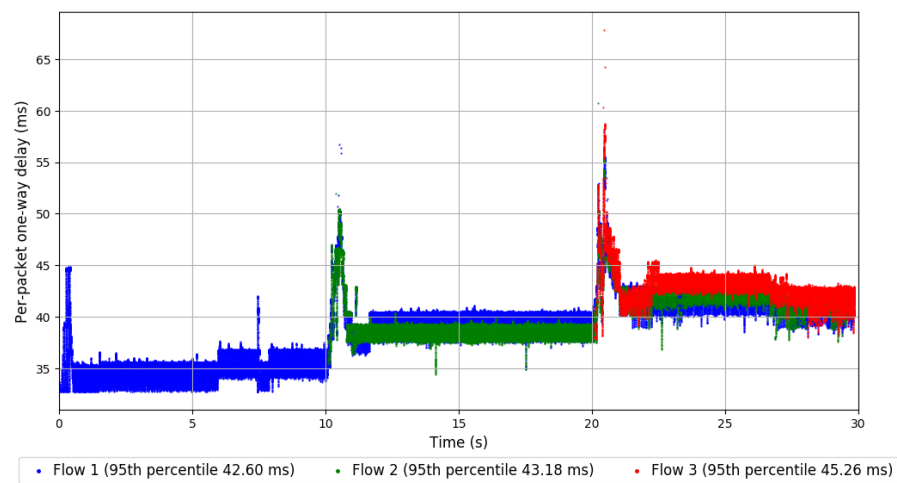
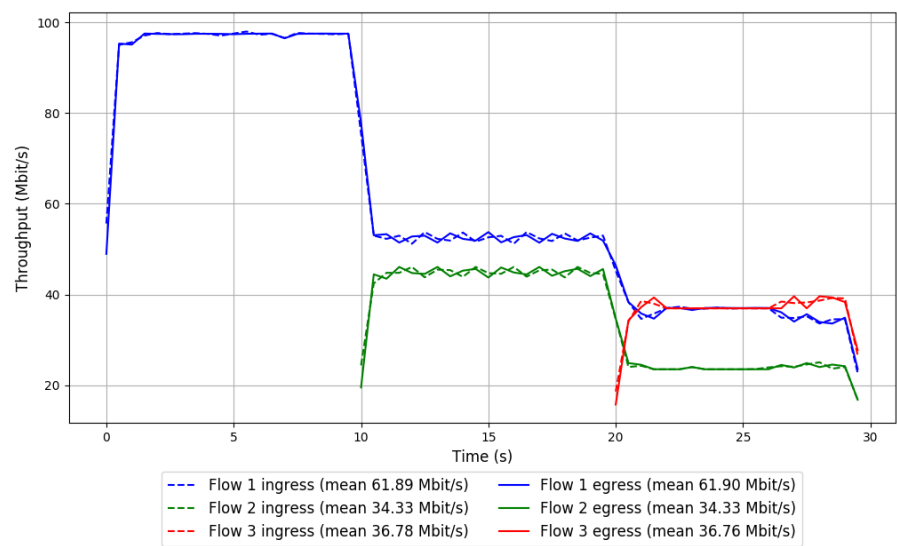


Run 7: Statistics of Indigo

Start at: 2017-12-05 20:38:32
End at: 2017-12-05 20:39:02
Local clock offset: 6.908 ms
Remote clock offset: -12.156 ms

Below is generated by plot.py at 2017-12-06 00:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 43.998 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: 42.598 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 43.180 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 36.76 Mbit/s
95th percentile per-packet one-way delay: 45.263 ms
Loss rate: 0.36%

Run 7: Report of Indigo — Data Link

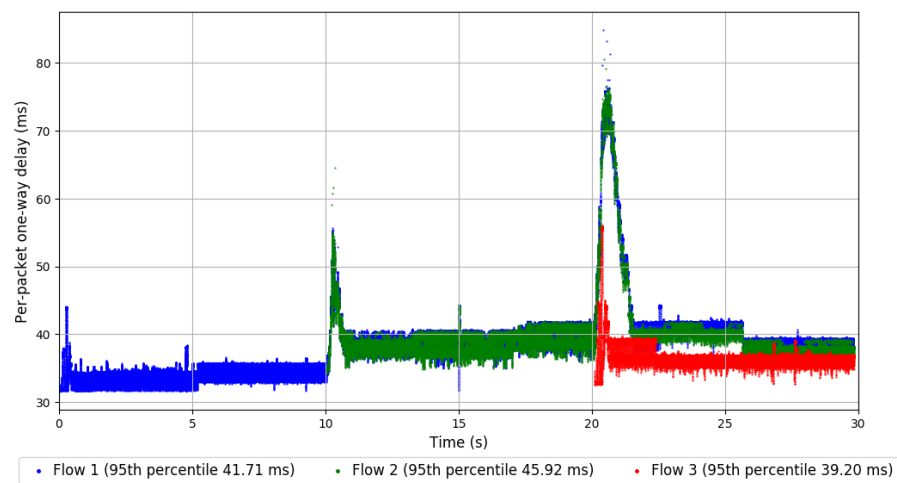
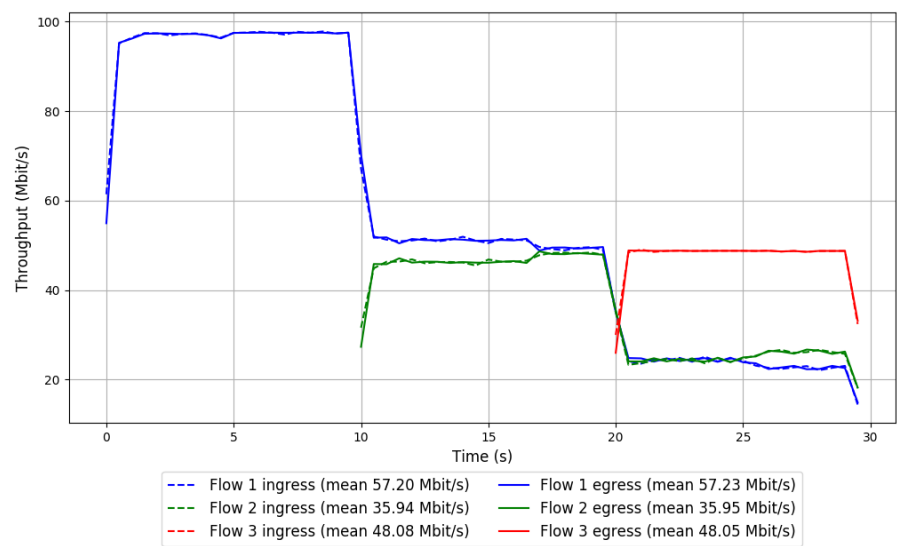


Run 8: Statistics of Indigo

Start at: 2017-12-05 20:55:46
End at: 2017-12-05 20:56:16
Local clock offset: 5.472 ms
Remote clock offset: -11.748 ms

Below is generated by plot.py at 2017-12-06 00:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 41.704 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 41.713 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 45.917 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 48.05 Mbit/s
95th percentile per-packet one-way delay: 39.204 ms
Loss rate: 0.30%

Run 8: Report of Indigo — Data Link

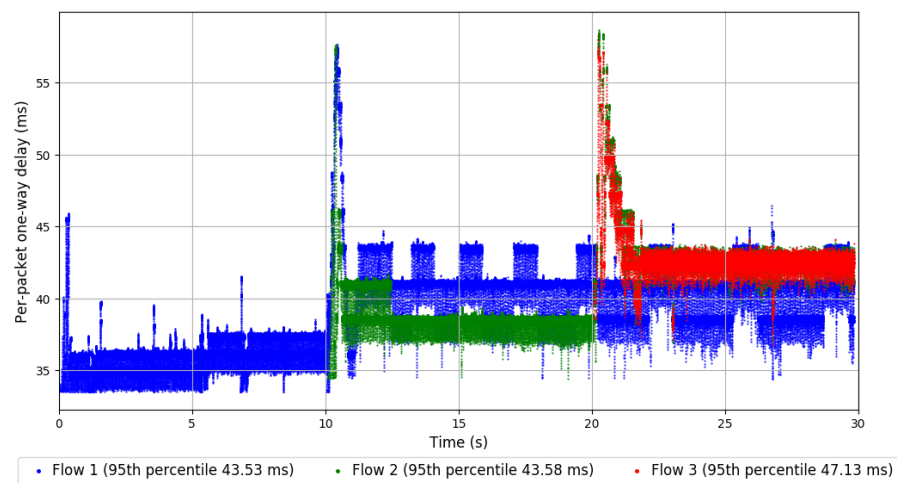
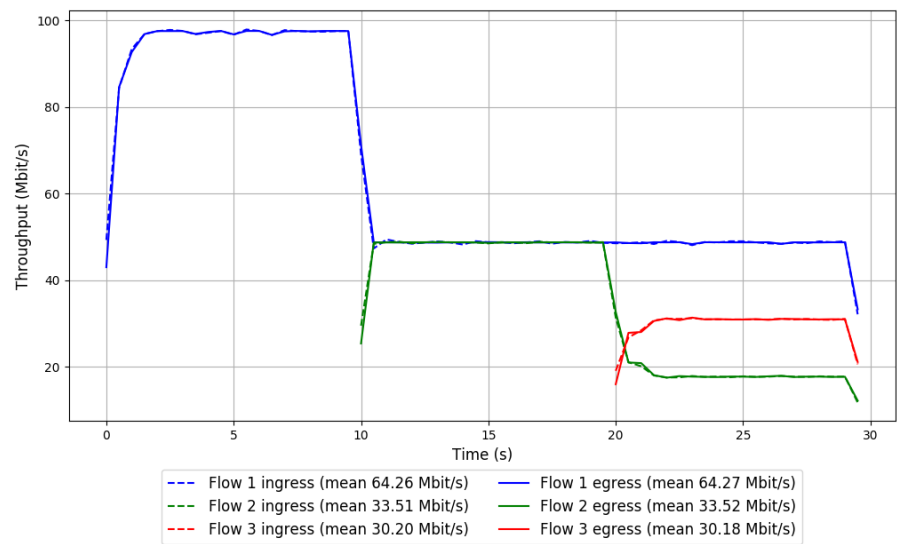


Run 9: Statistics of Indigo

Start at: 2017-12-05 21:12:23
End at: 2017-12-05 21:12:53
Local clock offset: 5.965 ms
Remote clock offset: -12.57 ms

Below is generated by plot.py at 2017-12-06 00:53:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 43.559 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 43.526 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 43.583 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 47.130 ms
Loss rate: 0.36%

Run 9: Report of Indigo — Data Link

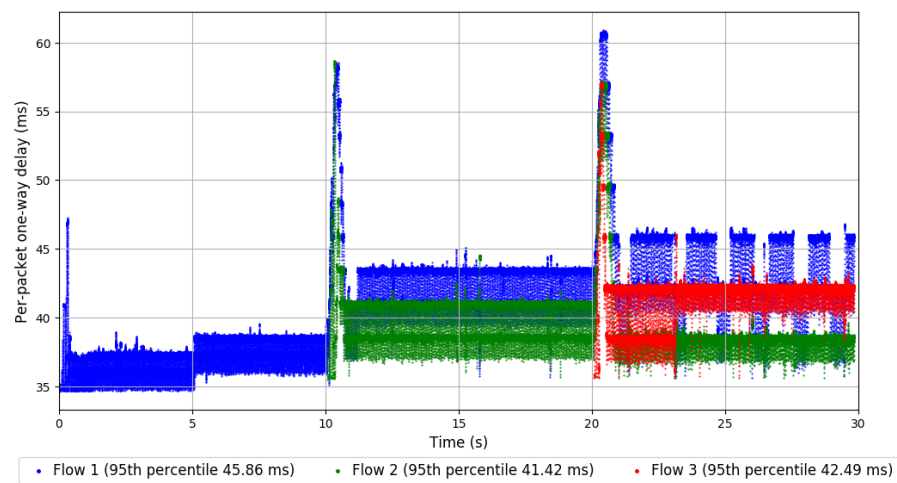
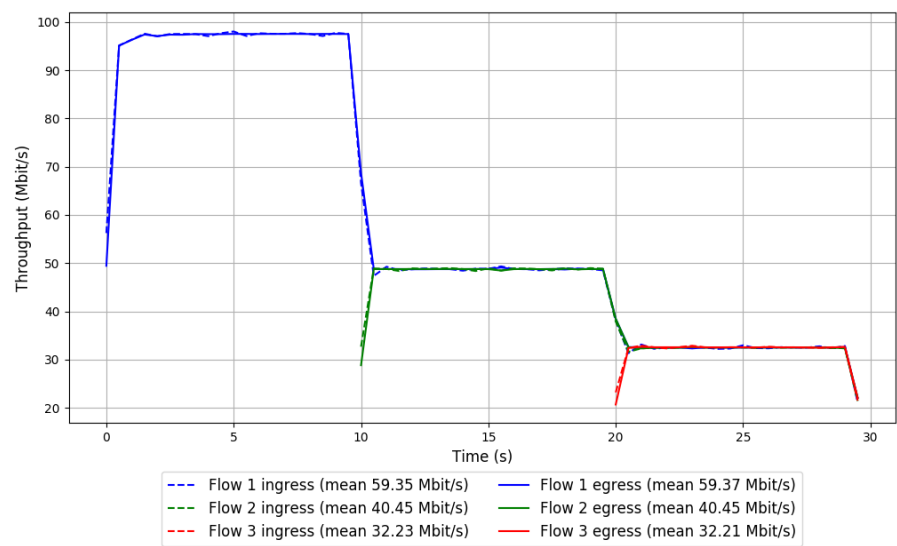


Run 10: Statistics of Indigo

Start at: 2017-12-05 21:29:13
End at: 2017-12-05 21:29:43
Local clock offset: 8.326 ms
Remote clock offset: -11.717 ms

Below is generated by plot.py at 2017-12-06 00:53:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 45.717 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 45.857 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 41.417 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 42.491 ms
Loss rate: 0.33%

Run 10: Report of Indigo — Data Link

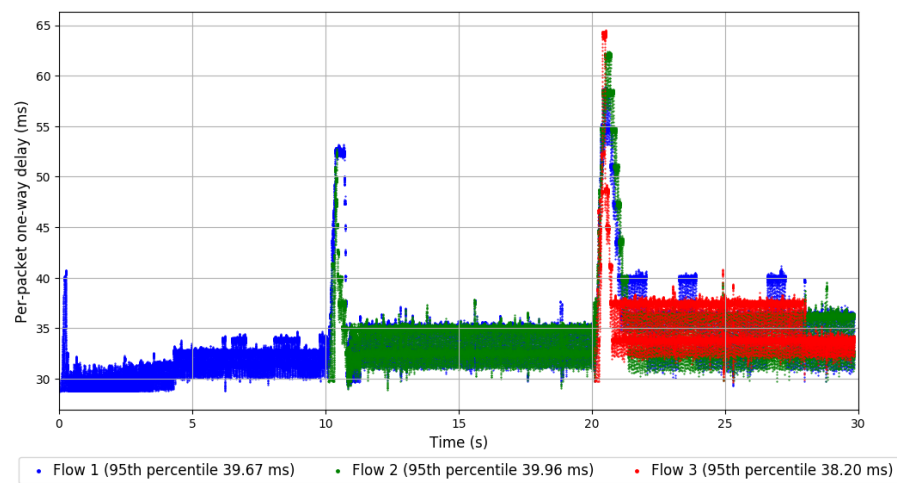
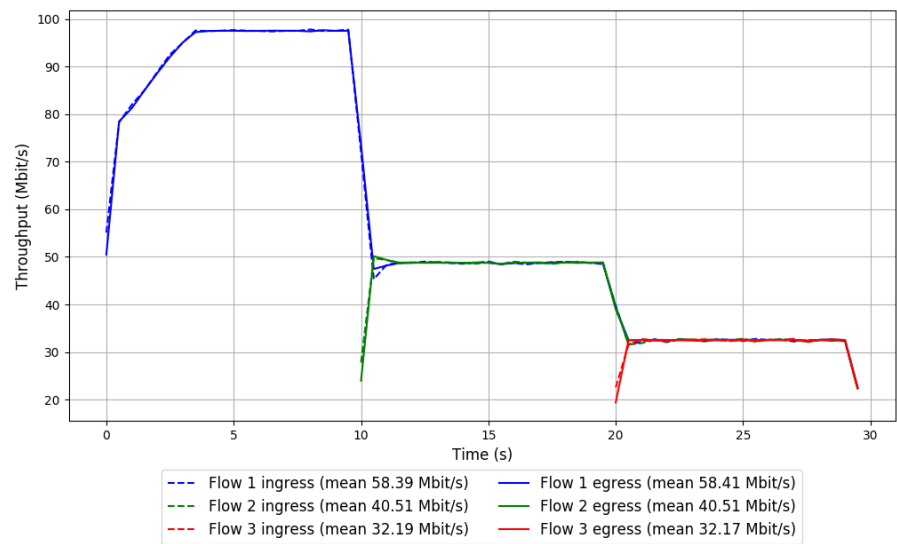


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-05 19:10:30
End at: 2017-12-05 19:11:00
Local clock offset: 4.288 ms
Remote clock offset: -14.63 ms

# Below is generated by plot.py at 2017-12-06 00:54:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 39.743 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 39.668 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 39.957 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 38.198 ms
Loss rate: 0.30%
```

Run 1: Report of Indigo-calib — Data Link

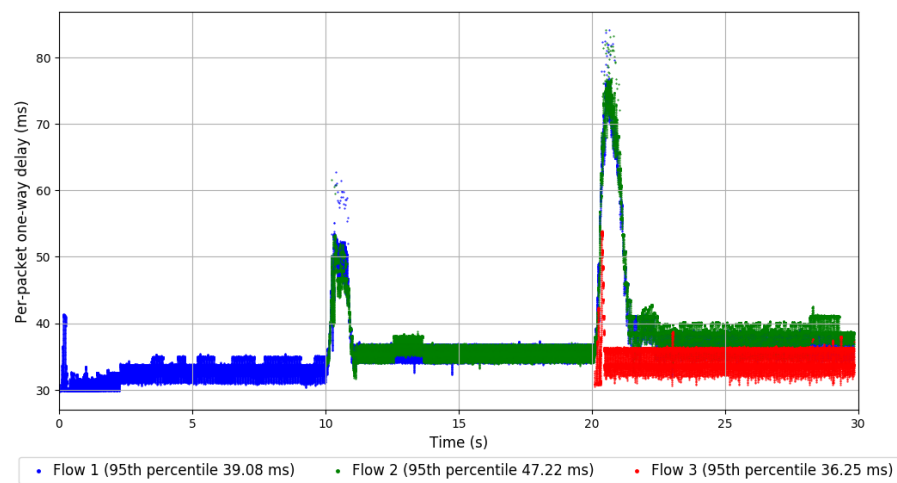
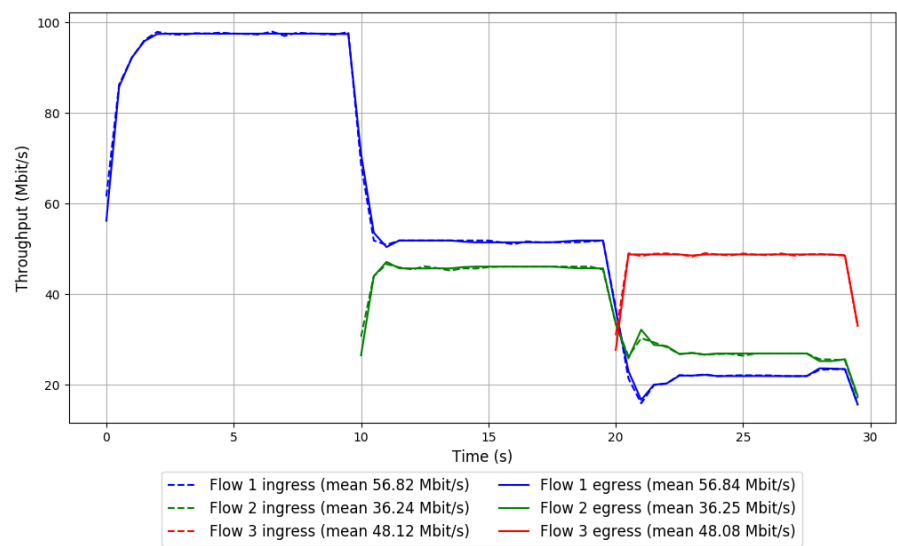


```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-05 19:28:07
End at: 2017-12-05 19:28:37
Local clock offset: 3.904 ms
Remote clock offset: -15.605 ms

# Below is generated by plot.py at 2017-12-06 00:54:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 41.071 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 39.076 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.25 Mbit/s
95th percentile per-packet one-way delay: 47.219 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 36.252 ms
Loss rate: 0.33%
```

Run 2: Report of Indigo-calib — Data Link

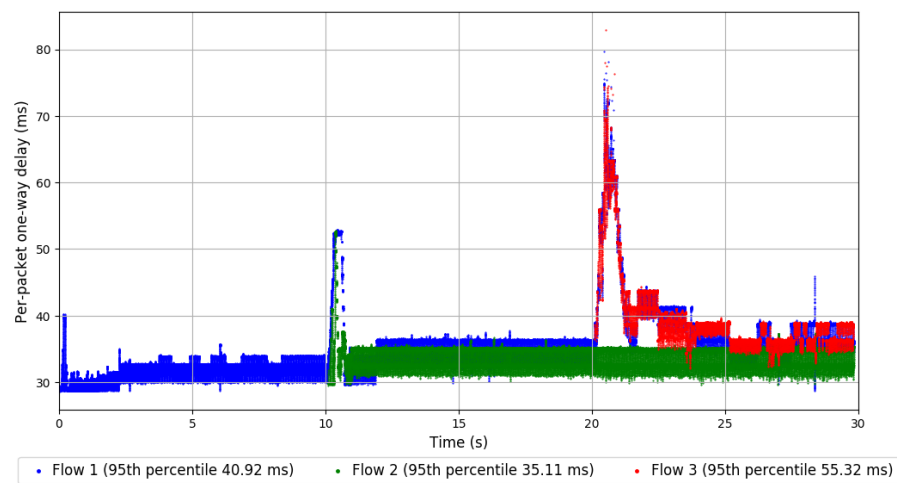
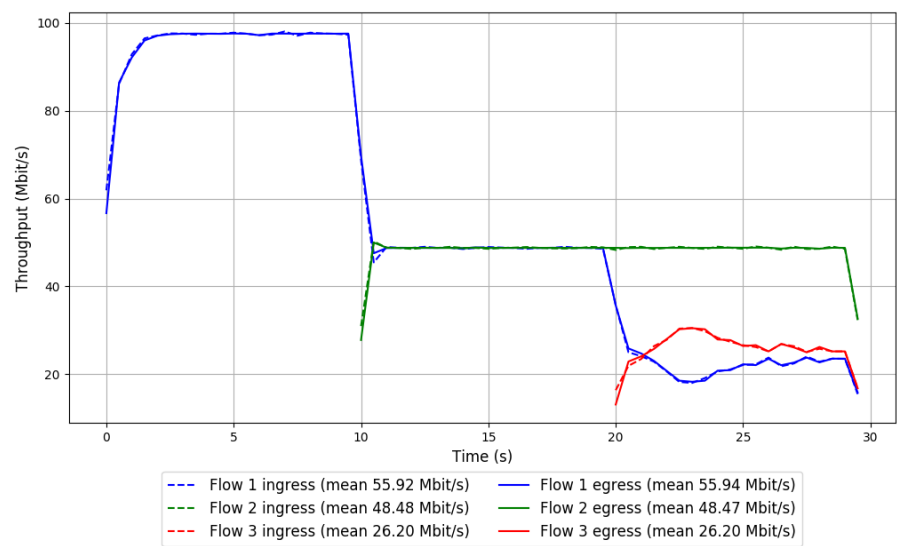


Run 3: Statistics of Indigo-calib

Start at: 2017-12-05 19:45:17
End at: 2017-12-05 19:45:48
Local clock offset: 4.13 ms
Remote clock offset: -13.61 ms

Below is generated by plot.py at 2017-12-06 00:54:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 40.307 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 40.920 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 35.113 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 26.20 Mbit/s
95th percentile per-packet one-way delay: 55.322 ms
Loss rate: 0.33%

Run 3: Report of Indigo-calib — Data Link

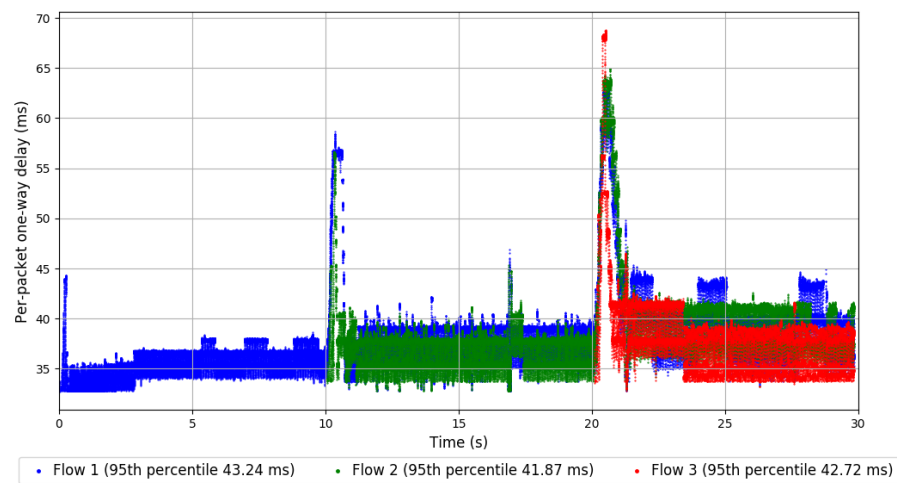
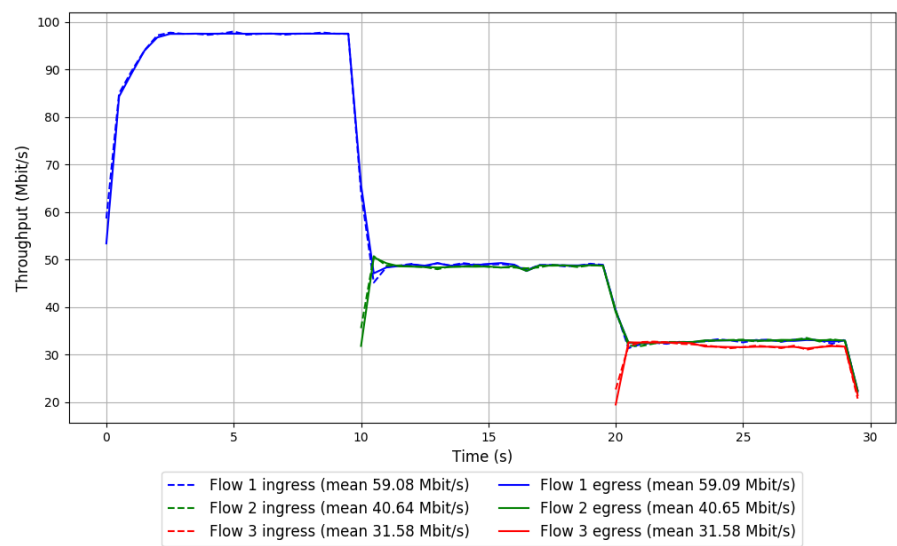


Run 4: Statistics of Indigo-calib

Start at: 2017-12-05 20:02:26
End at: 2017-12-05 20:02:56
Local clock offset: 8.822 ms
Remote clock offset: -12.535 ms

Below is generated by plot.py at 2017-12-06 00:54:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 43.133 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.09 Mbit/s
95th percentile per-packet one-way delay: 43.237 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 41.866 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 42.721 ms
Loss rate: 0.28%

Run 4: Report of Indigo-calib — Data Link

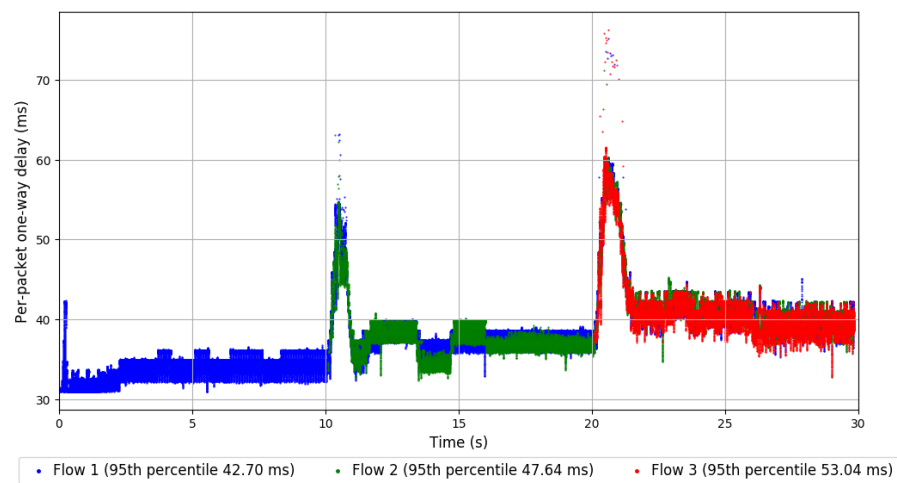
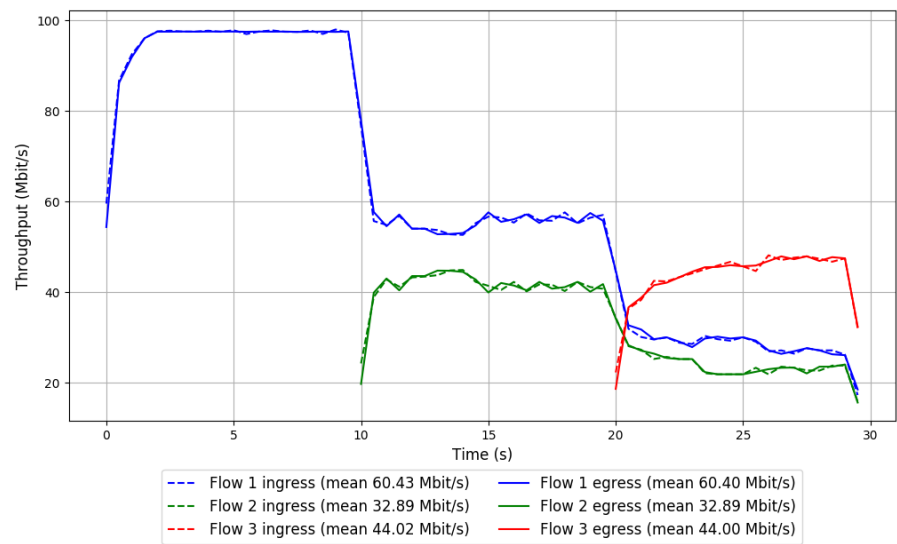


Run 5: Statistics of Indigo-calib

Start at: 2017-12-05 20:19:17
End at: 2017-12-05 20:19:47
Local clock offset: 6.472 ms
Remote clock offset: -12.075 ms

Below is generated by plot.py at 2017-12-06 00:54:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 44.754 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 42.697 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 47.640 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 53.044 ms
Loss rate: 0.36%

Run 5: Report of Indigo-calib — Data Link

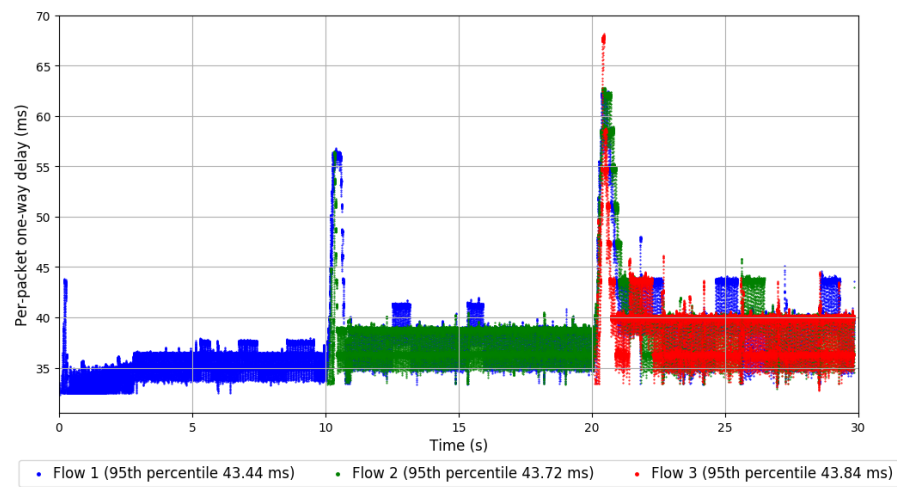
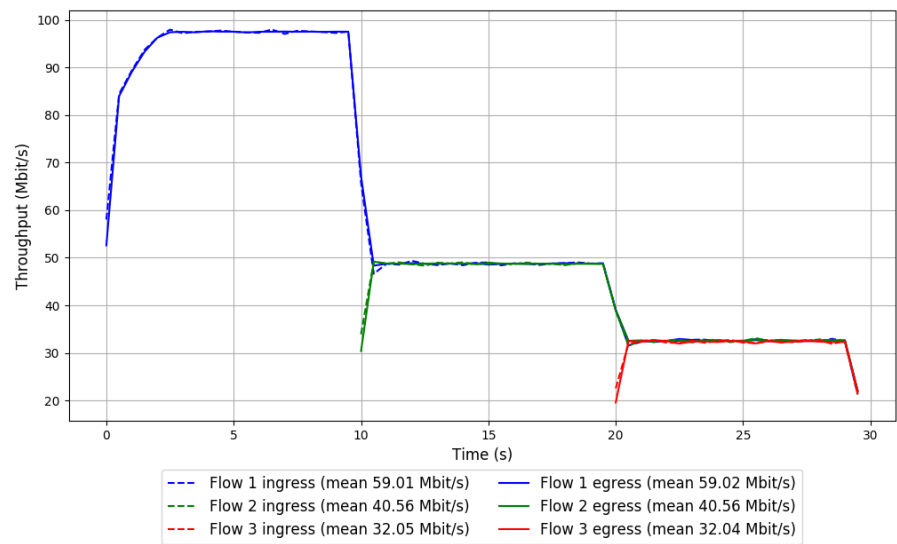


Run 6: Statistics of Indigo-calib

Start at: 2017-12-05 20:36:07
End at: 2017-12-05 20:36:37
Local clock offset: 5.757 ms
Remote clock offset: -13.191 ms

Below is generated by plot.py at 2017-12-06 00:54:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 43.611 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.02 Mbit/s
95th percentile per-packet one-way delay: 43.440 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 43.715 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 43.836 ms
Loss rate: 0.30%

Run 6: Report of Indigo-calib — Data Link

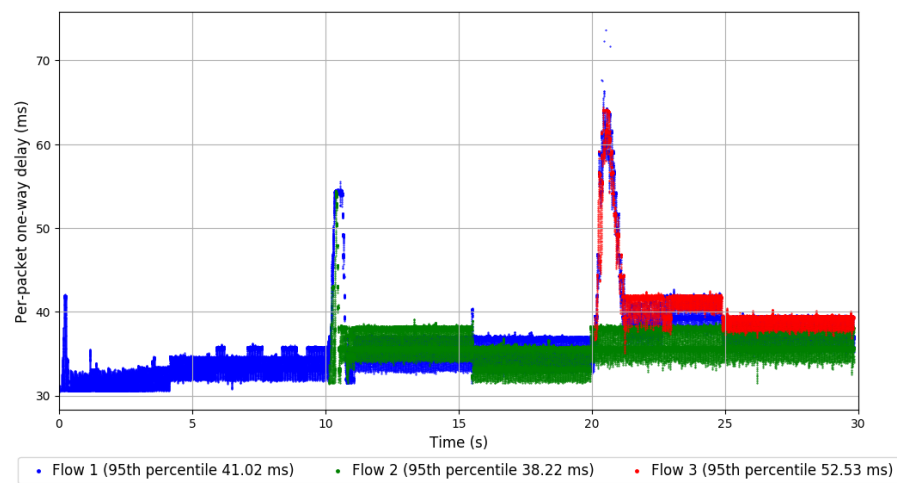
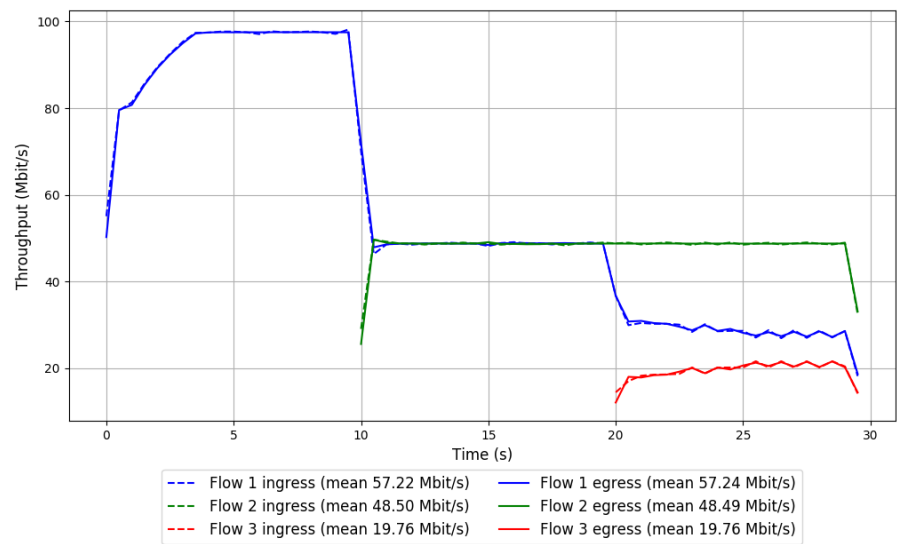


Run 7: Statistics of Indigo-calib

Start at: 2017-12-05 20:53:22
End at: 2017-12-05 20:53:52
Local clock offset: 4.89 ms
Remote clock offset: -11.241 ms

Below is generated by plot.py at 2017-12-06 00:54:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 41.609 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 41.025 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 38.217 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 19.76 Mbit/s
95th percentile per-packet one-way delay: 52.534 ms
Loss rate: 0.37%

Run 7: Report of Indigo-calib — Data Link

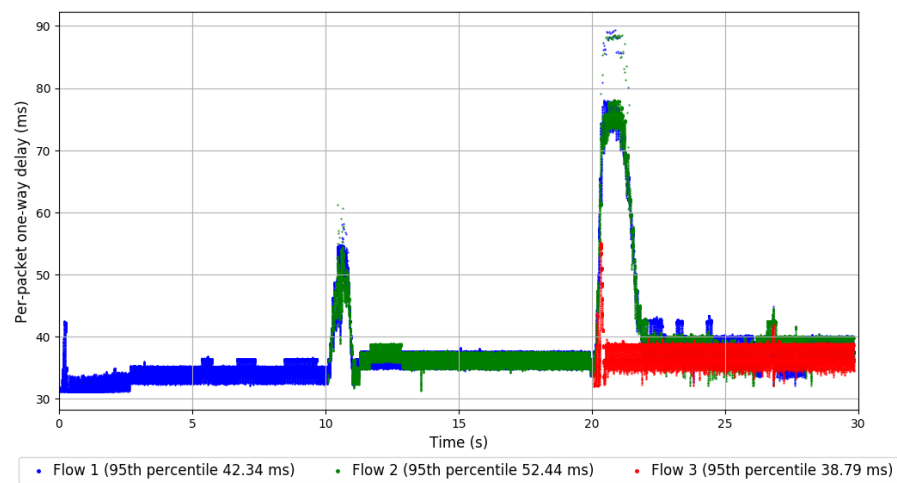
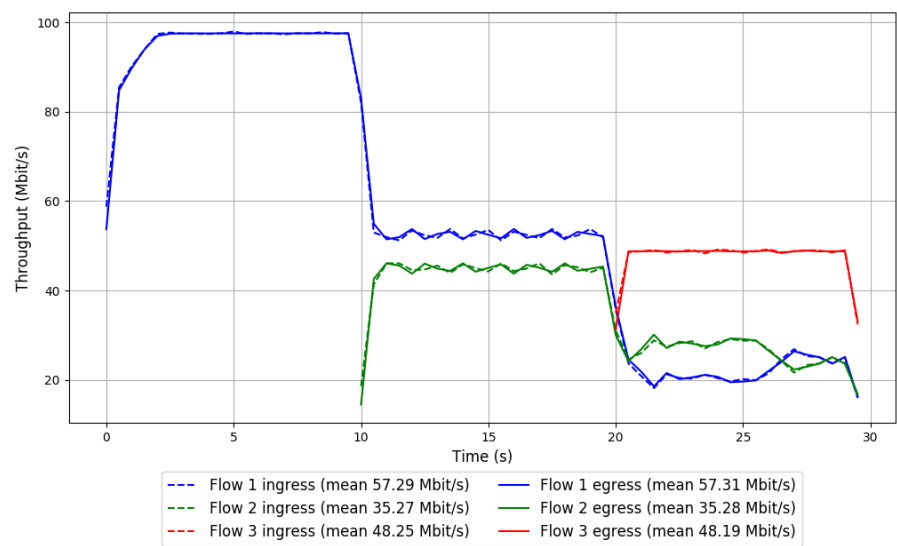


Run 8: Statistics of Indigo-calib

Start at: 2017-12-05 21:09:55
End at: 2017-12-05 21:10:25
Local clock offset: 4.905 ms
Remote clock offset: -11.141 ms

Below is generated by plot.py at 2017-12-06 00:54:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 42.780 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 42.344 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 52.440 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 38.792 ms
Loss rate: 0.37%

Run 8: Report of Indigo-calib — Data Link

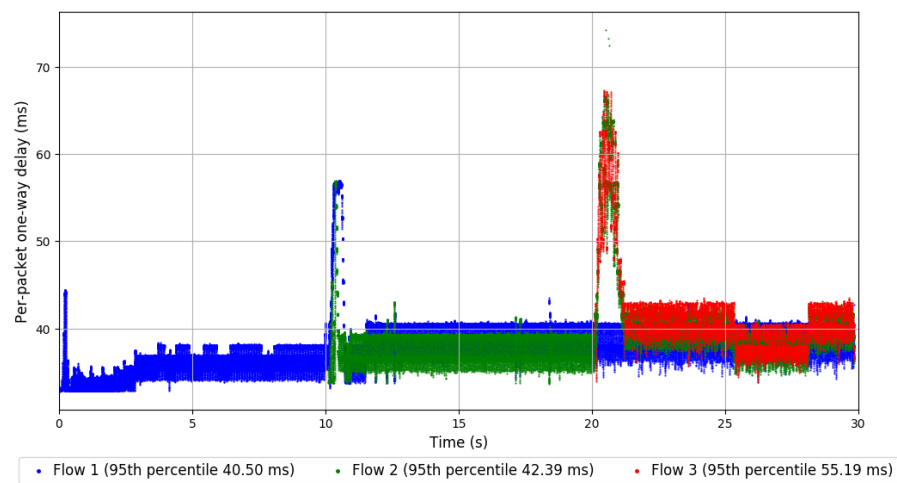
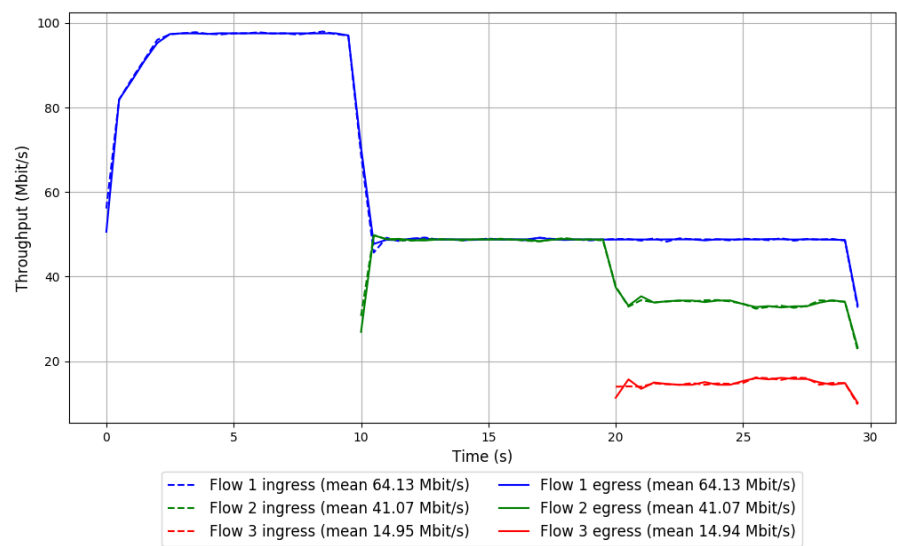


Run 9: Statistics of Indigo-calib

Start at: 2017-12-05 21:26:45
End at: 2017-12-05 21:27:15
Local clock offset: 6.255 ms
Remote clock offset: -12.093 ms

Below is generated by plot.py at 2017-12-06 00:54:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 41.674 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 64.13 Mbit/s
95th percentile per-packet one-way delay: 40.503 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.07 Mbit/s
95th percentile per-packet one-way delay: 42.390 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 55.188 ms
Loss rate: 0.32%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-05 21:43:30
End at: 2017-12-05 21:44:00
Local clock offset: 7.607 ms
Remote clock offset: -11.203 ms

Below is generated by plot.py at 2017-12-06 00:54:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 45.285 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 45.203 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 45.398 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 43.180 ms
Loss rate: 0.30%

Run 10: Report of Indigo-calib — Data Link

