

Pantheon Report

Generated at 2017-12-12 01:55:16 (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).

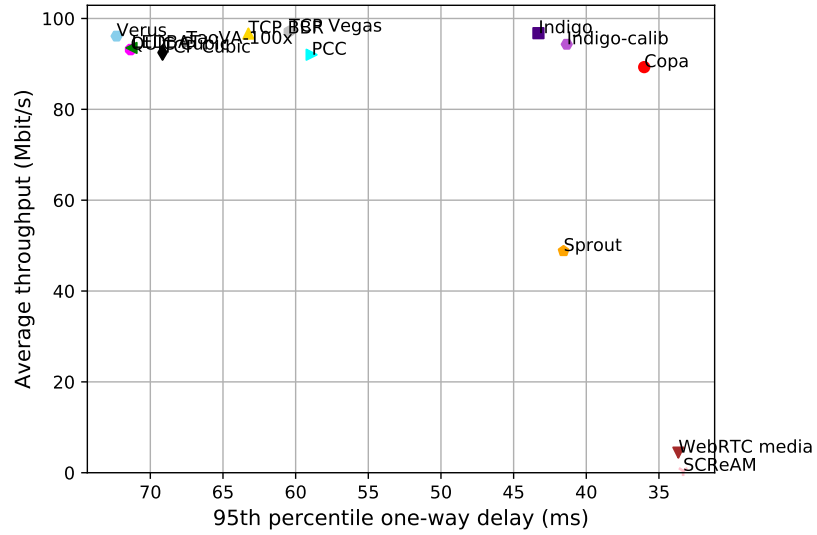
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

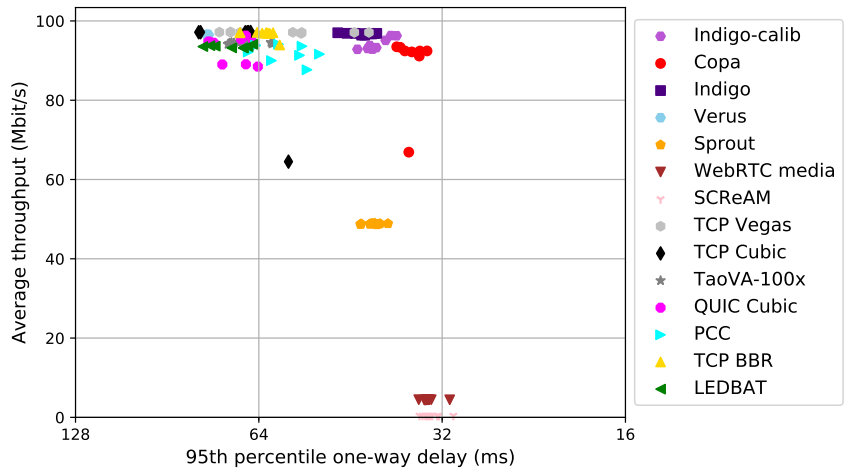
Git summary:

```
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



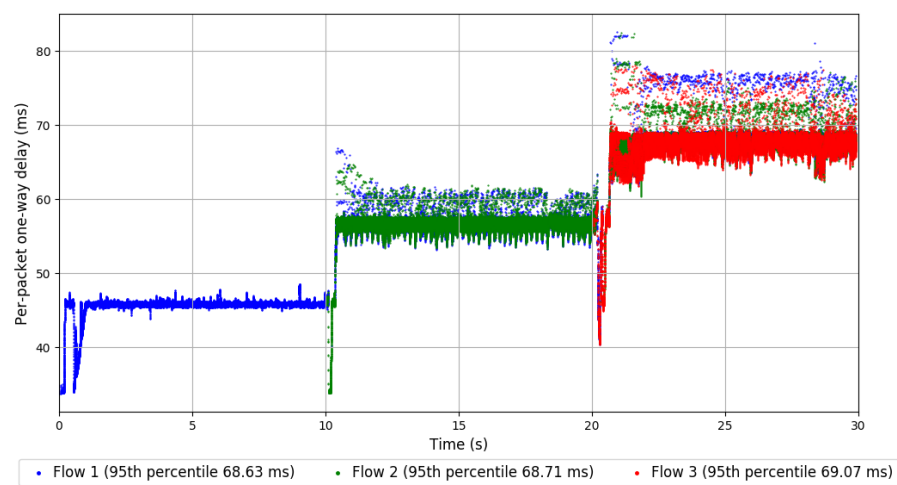
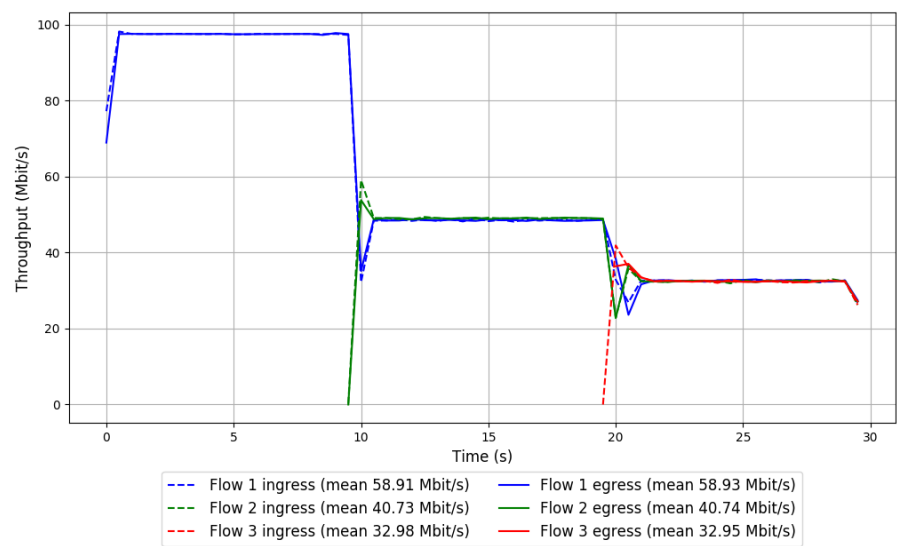
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.99	40.31	29.69	60.32	63.32	70.86	0.11	0.19	0.51
TCP Cubic	7	50.65	46.32	35.63	65.65	65.96	66.09	0.11	0.34	0.97
LEDBAT	8	55.83	40.19	33.01	71.19	68.60	65.91	0.11	0.23	0.70
PCC	9	61.91	30.97	22.42	58.09	58.49	52.64	0.07	0.18	0.33
QUIC Cubic	10	54.83	39.45	36.82	71.28	69.31	62.91	0.11	0.23	0.56
SCReAM	10	0.21	0.21	0.22	33.33	33.35	33.34	0.08	0.10	0.07
WebRTC media	10	2.37	1.46	0.63	33.63	33.63	33.85	0.12	0.21	0.58
Sprout	10	24.57	24.42	24.16	40.96	41.67	42.44	0.09	0.15	0.27
TaoVA-100x	10	58.56	41.17	33.28	65.35	62.66	62.83	0.09	0.21	0.63
TCP Vegas	10	59.69	39.46	33.57	58.48	52.76	55.97	0.08	0.09	0.29
Verus	10	58.33	39.35	35.06	69.03	70.23	65.86	0.10	0.22	0.54
Copa	8	50.89	42.37	36.35	413.26	36.33	36.99	0.04	0.10	0.31
Indigo	10	59.68	40.35	31.57	43.78	40.92	42.54	0.06	0.12	0.31
Indigo-calib	10	58.49	41.90	24.78	41.17	43.44	50.33	0.06	0.12	0.33

Run 1: Statistics of TCP BBR

Start at: 2017-12-11 20:07:55
End at: 2017-12-11 20:08:25
Local clock offset: 5.172 ms
Remote clock offset: -13.51 ms

Below is generated by plot.py at 2017-12-12 01:34:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.01 Mbit/s
95th percentile per-packet one-way delay: 68.723 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 68.630 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 68.710 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 69.070 ms
Loss rate: 0.55%

Run 1: Report of TCP BBR — Data Link

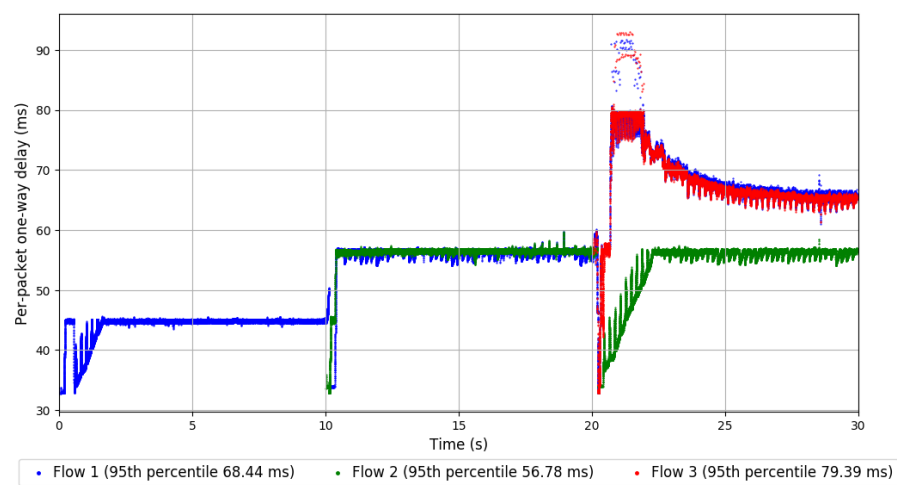
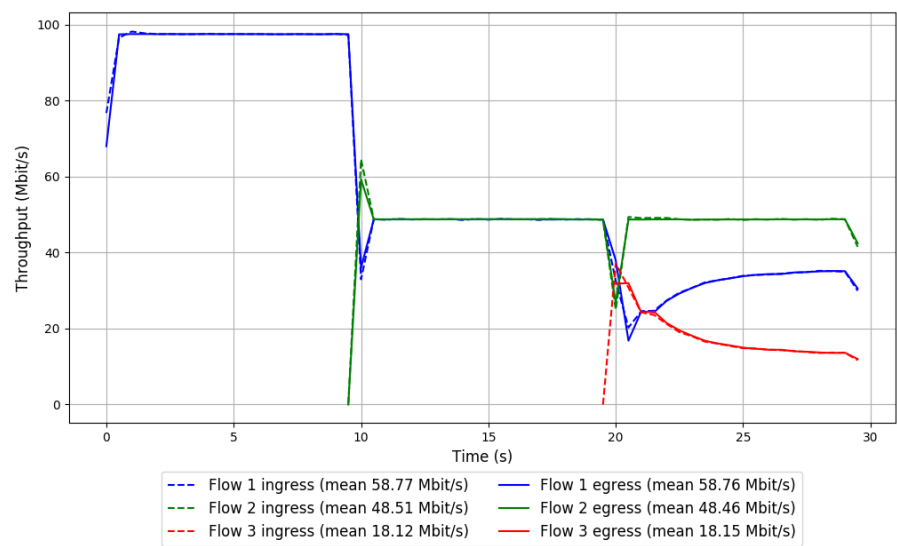


Run 2: Statistics of TCP BBR

Start at: 2017-12-11 20:25:34
End at: 2017-12-11 20:26:04
Local clock offset: 4.188 ms
Remote clock offset: -13.019 ms

Below is generated by plot.py at 2017-12-12 01:34:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 68.719 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.76 Mbit/s
95th percentile per-packet one-way delay: 68.438 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 56.777 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 18.15 Mbit/s
95th percentile per-packet one-way delay: 79.390 ms
Loss rate: 0.43%

Run 2: Report of TCP BBR — Data Link

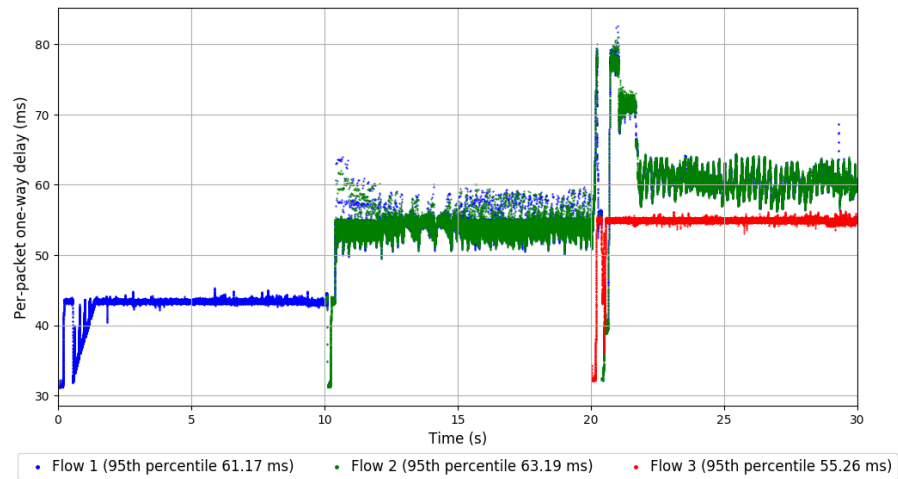
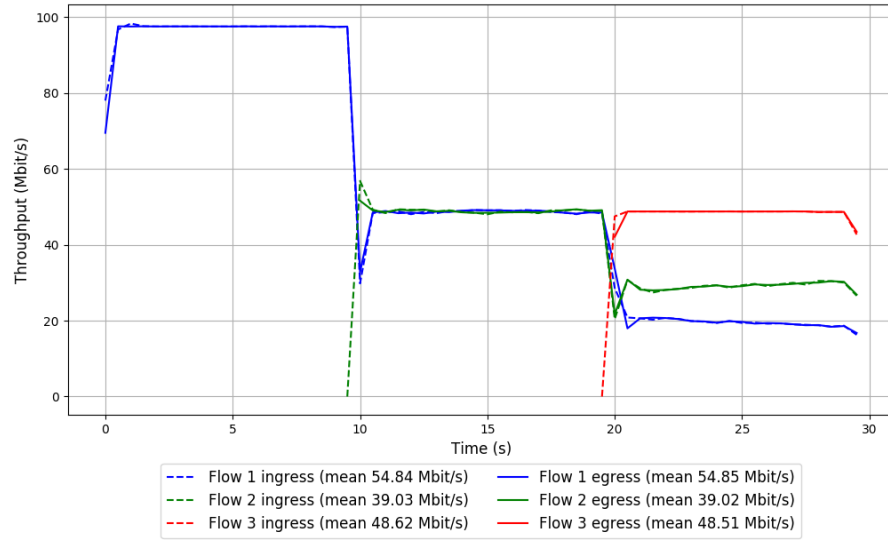


Run 3: Statistics of TCP BBR

Start at: 2017-12-11 20:42:24
End at: 2017-12-11 20:42:54
Local clock offset: 3.433 ms
Remote clock offset: -12.587 ms

Below is generated by plot.py at 2017-12-12 01:34:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 61.866 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 54.85 Mbit/s
95th percentile per-packet one-way delay: 61.170 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 63.194 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 55.262 ms
Loss rate: 0.48%

Run 3: Report of TCP BBR — Data Link

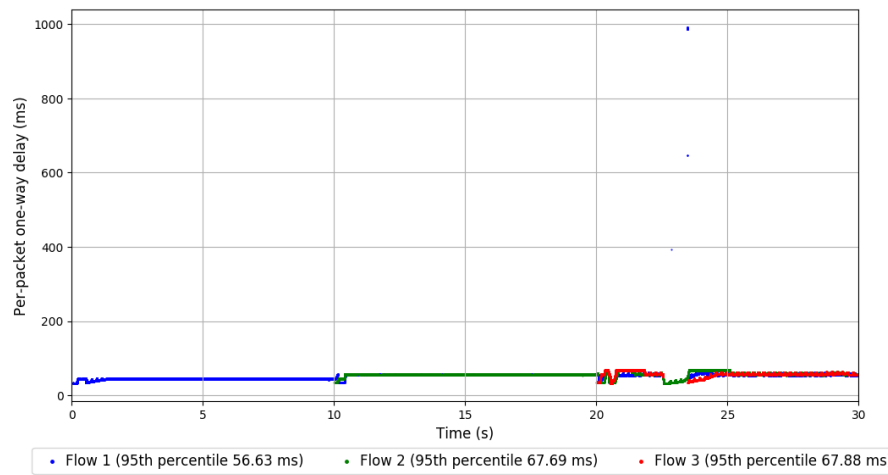
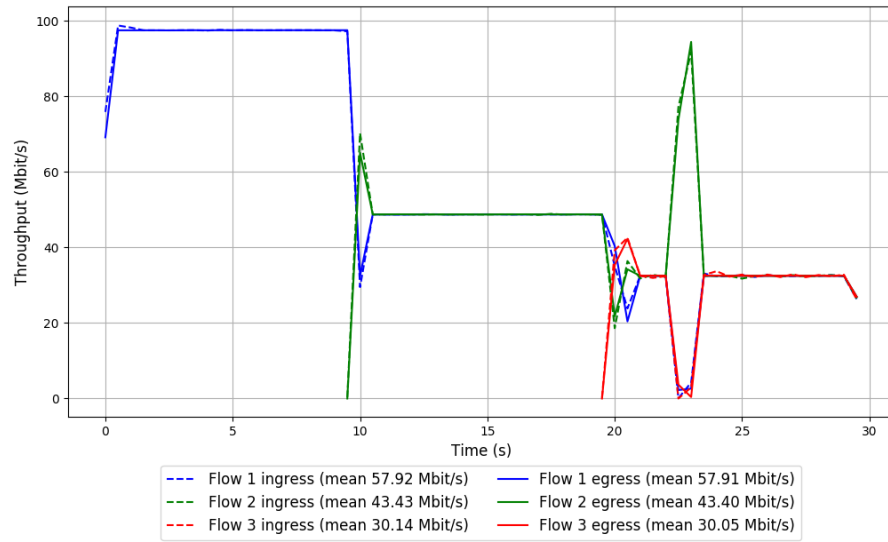


Run 4: Statistics of TCP BBR

Start at: 2017-12-11 20:59:04
End at: 2017-12-11 20:59:34
Local clock offset: 4.785 ms
Remote clock offset: -13.401 ms

Below is generated by plot.py at 2017-12-12 01:34:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 61.437 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 56.627 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 43.40 Mbit/s
95th percentile per-packet one-way delay: 67.687 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 67.882 ms
Loss rate: 0.54%

Run 4: Report of TCP BBR — Data Link

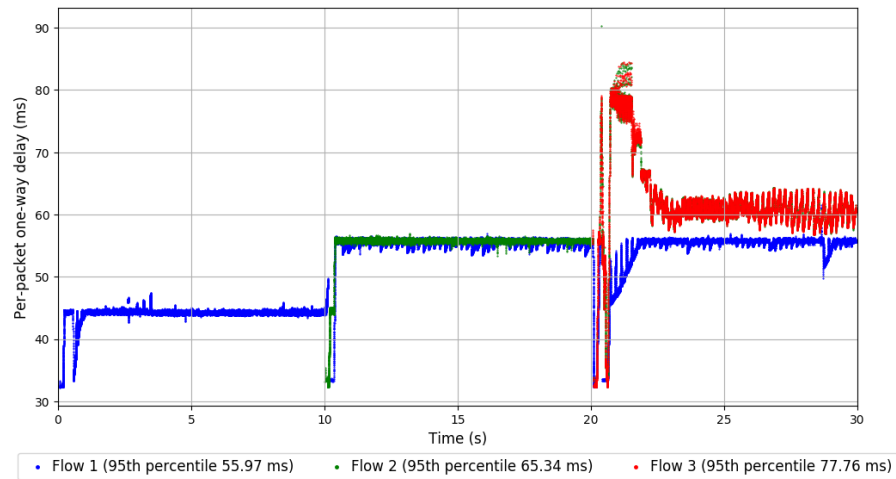
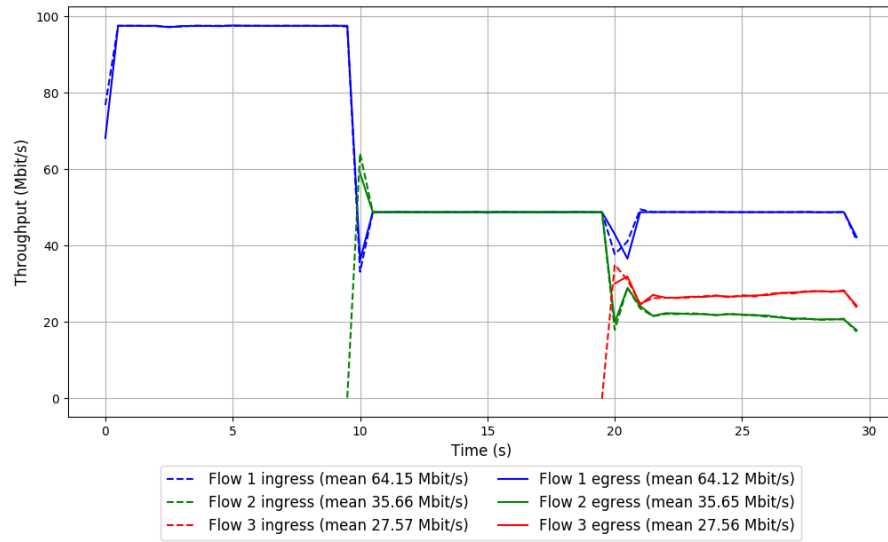


Run 5: Statistics of TCP BBR

Start at: 2017-12-11 21:15:58
End at: 2017-12-11 21:16:28
Local clock offset: 6.155 ms
Remote clock offset: -12.225 ms

Below is generated by plot.py at 2017-12-12 01:34:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 62.243 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 55.974 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 65.338 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 27.56 Mbit/s
95th percentile per-packet one-way delay: 77.760 ms
Loss rate: 0.56%

Run 5: Report of TCP BBR — Data Link

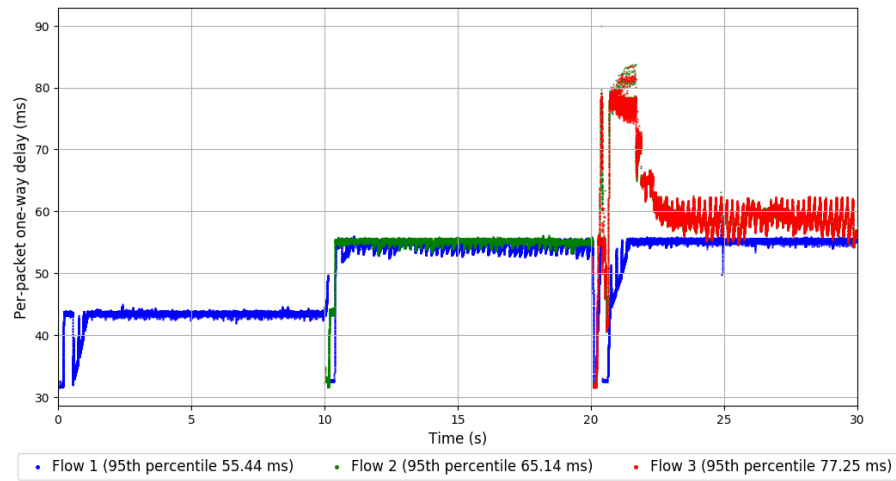
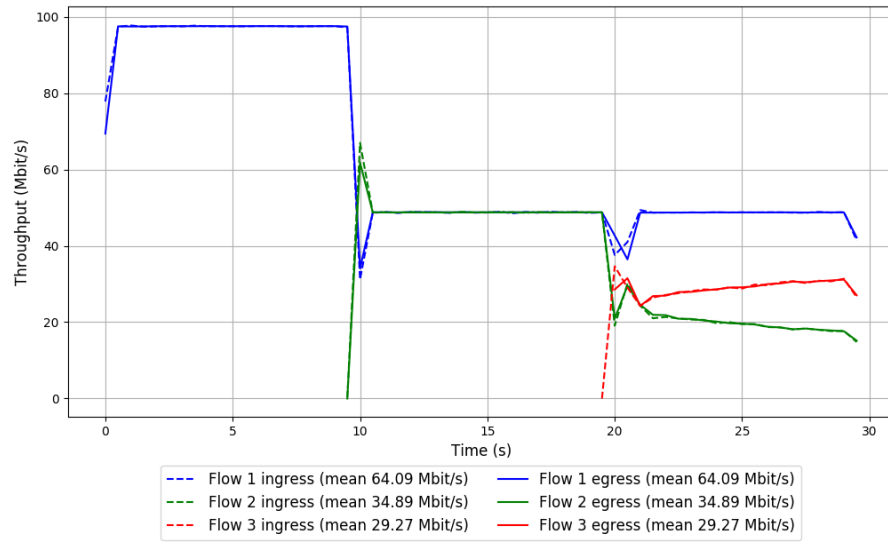


Run 6: Statistics of TCP BBR

Start at: 2017-12-11 21:32:40
End at: 2017-12-11 21:33:10
Local clock offset: 5.45 ms
Remote clock offset: -11.873 ms

Below is generated by plot.py at 2017-12-12 01:34:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 60.666 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 64.09 Mbit/s
95th percentile per-packet one-way delay: 55.441 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 65.135 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.27 Mbit/s
95th percentile per-packet one-way delay: 77.249 ms
Loss rate: 0.54%

Run 6: Report of TCP BBR — Data Link

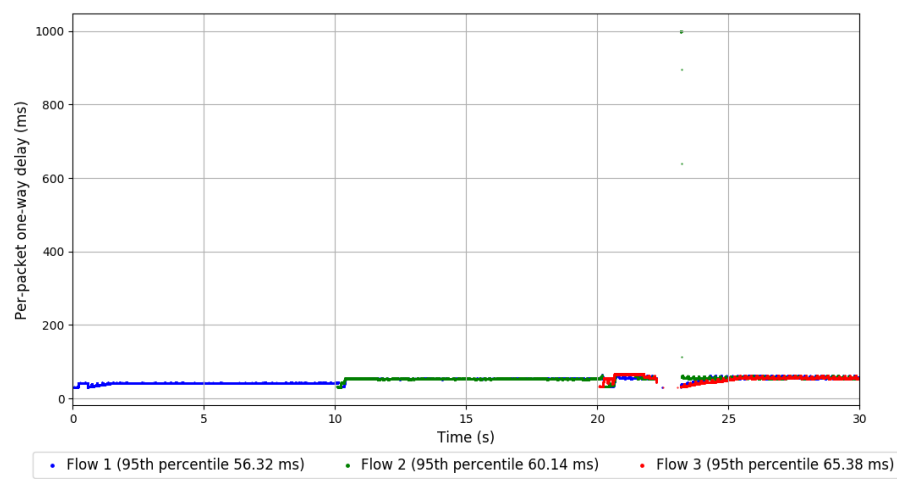
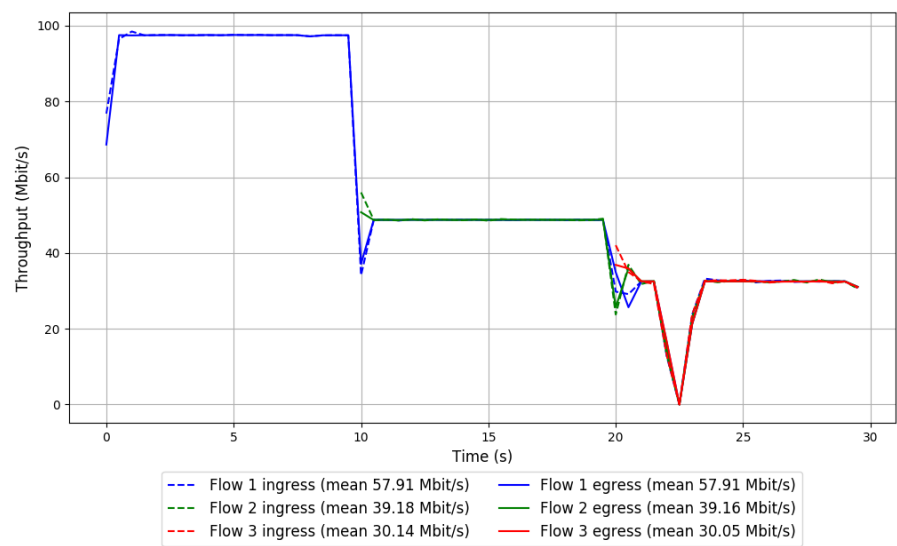


Run 7: Statistics of TCP BBR

Start at: 2017-12-11 21:49:35
End at: 2017-12-11 21:50:05
Local clock offset: 3.942 ms
Remote clock offset: -11.401 ms

Below is generated by plot.py at 2017-12-12 01:34:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 59.139 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 56.321 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 60.138 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 65.383 ms
Loss rate: 0.54%

Run 7: Report of TCP BBR — Data Link

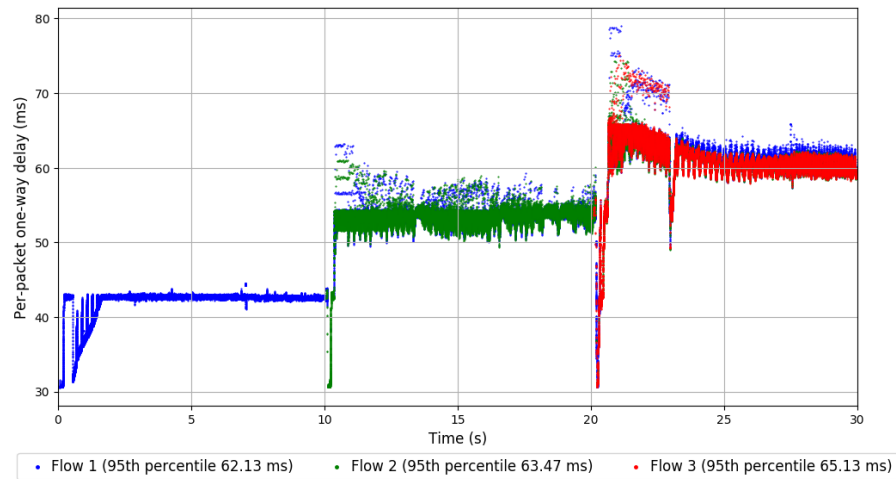
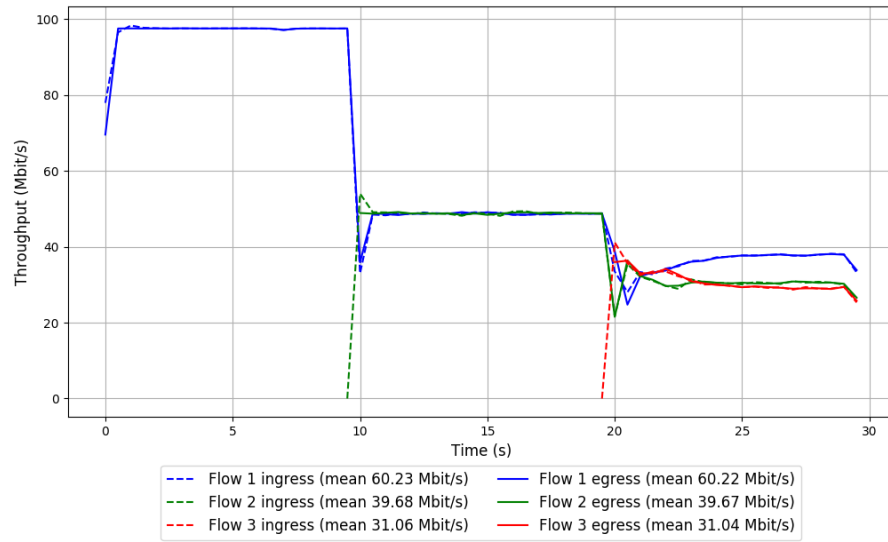


Run 8: Statistics of TCP BBR

Start at: 2017-12-11 22:06:51
End at: 2017-12-11 22:07:21
Local clock offset: 3.164 ms
Remote clock offset: -12.753 ms

Below is generated by plot.py at 2017-12-12 01:34:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 63.185 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 60.22 Mbit/s
95th percentile per-packet one-way delay: 62.129 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.67 Mbit/s
95th percentile per-packet one-way delay: 63.474 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 65.130 ms
Loss rate: 0.52%

Run 8: Report of TCP BBR — Data Link

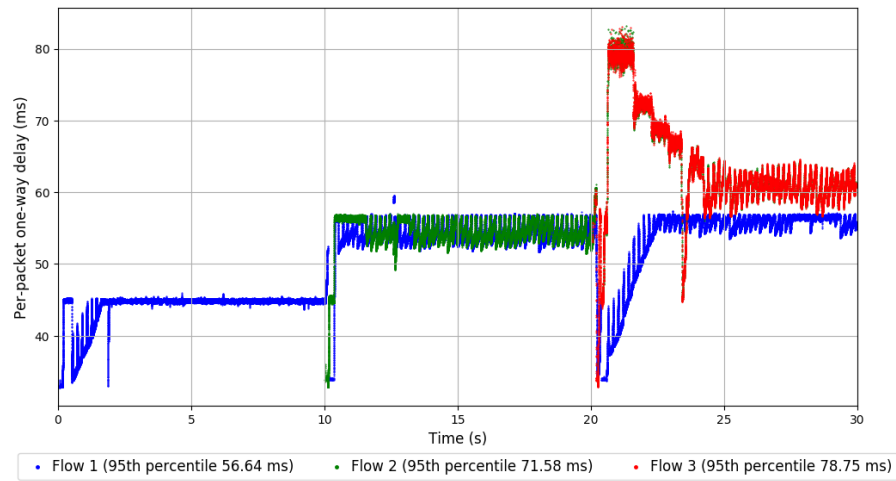
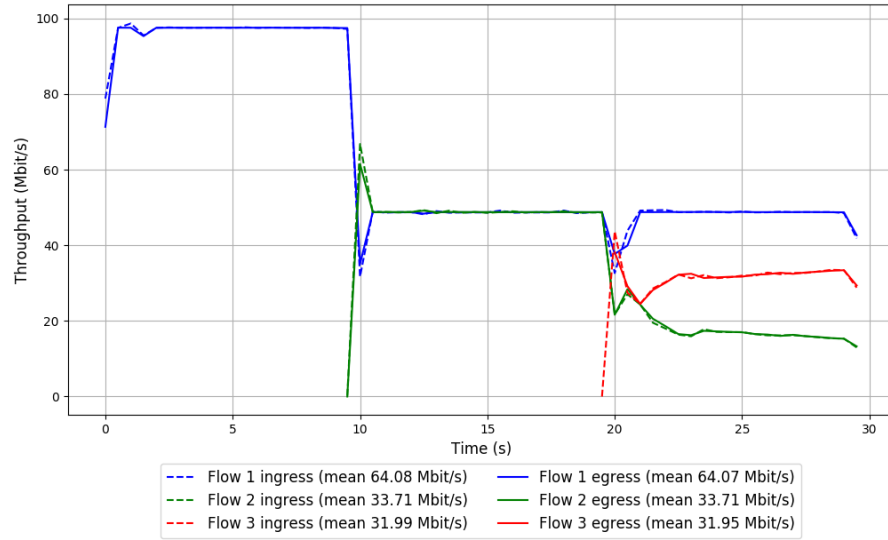


Run 9: Statistics of TCP BBR

Start at: 2017-12-11 22:23:32
End at: 2017-12-11 22:24:02
Local clock offset: 5.103 ms
Remote clock offset: -14.253 ms

Below is generated by plot.py at 2017-12-12 01:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 64.395 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 56.640 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.71 Mbit/s
95th percentile per-packet one-way delay: 71.579 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 78.745 ms
Loss rate: 0.56%

Run 9: Report of TCP BBR — Data Link

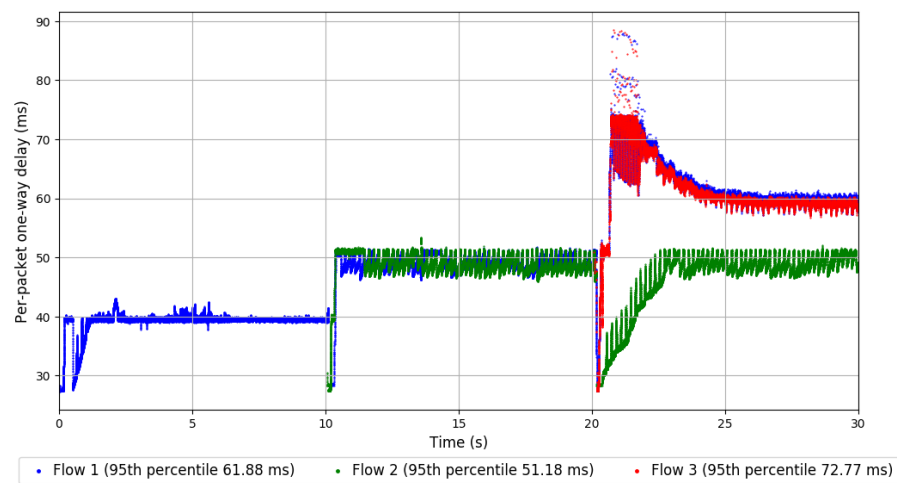
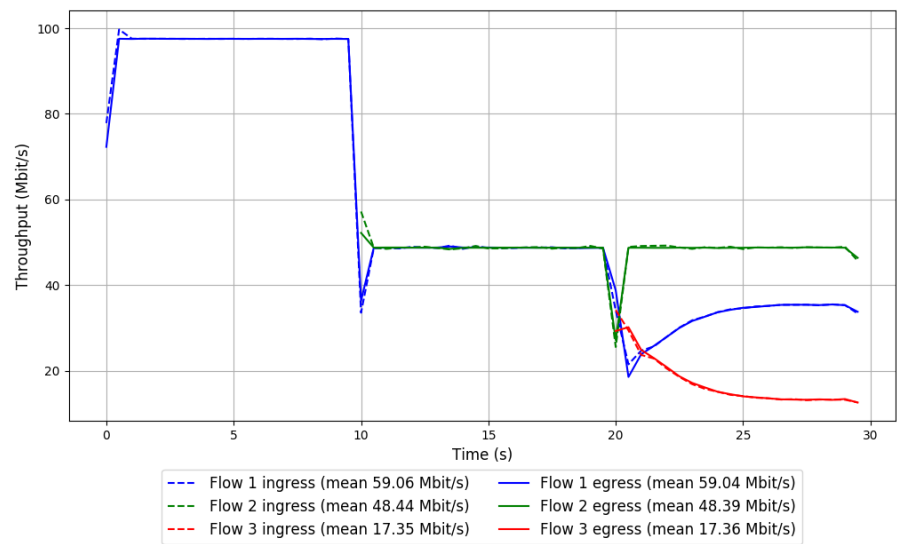


Run 10: Statistics of TCP BBR

Start at: 2017-12-11 22:40:10
End at: 2017-12-11 22:40:40
Local clock offset: 3.19 ms
Remote clock offset: -11.314 ms

Below is generated by plot.py at 2017-12-12 01:36:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.99 Mbit/s
95th percentile per-packet one-way delay: 62.142 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 61.877 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 48.39 Mbit/s
95th percentile per-packet one-way delay: 51.176 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 72.774 ms
Loss rate: 0.42%

Run 10: Report of TCP BBR — Data Link

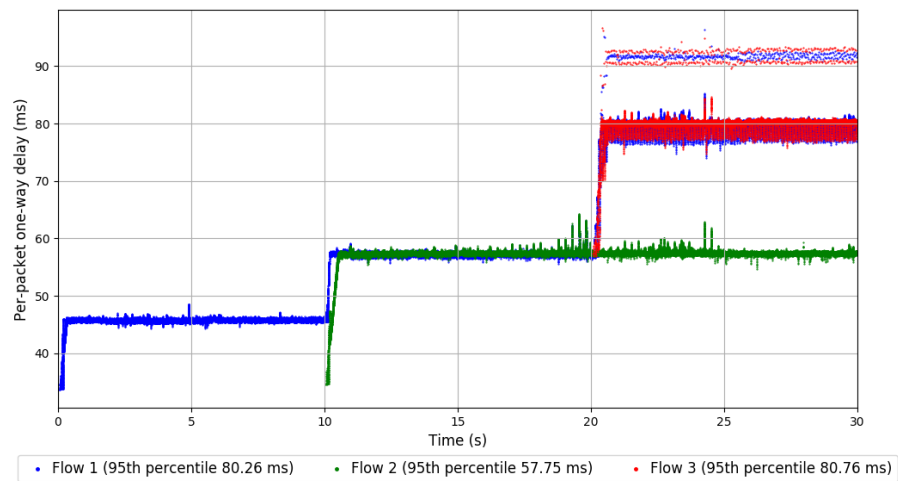
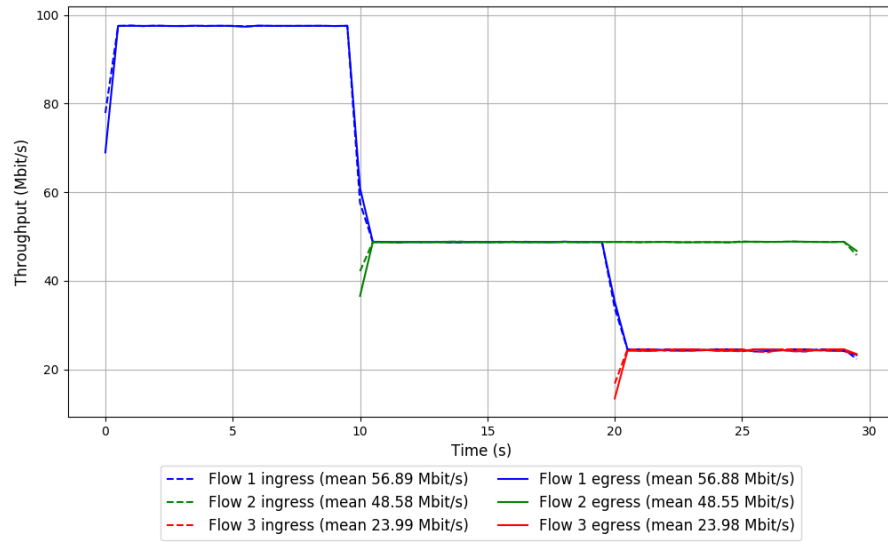


Run 1: Statistics of TCP Cubic

Start at: 2017-12-11 20:09:12
End at: 2017-12-11 20:09:42
Local clock offset: 5.192 ms
Remote clock offset: -13.376 ms

Below is generated by plot.py at 2017-12-12 01:36:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 80.334 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 80.262 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 57.752 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 80.759 ms
Loss rate: 0.70%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-12-11 20:26:47

End at: 2017-12-11 20:27:17

Local clock offset: 3.103 ms

Remote clock offset: -14.275 ms

Run 2: Report of TCP Cubic — Data Link

Figure is missing

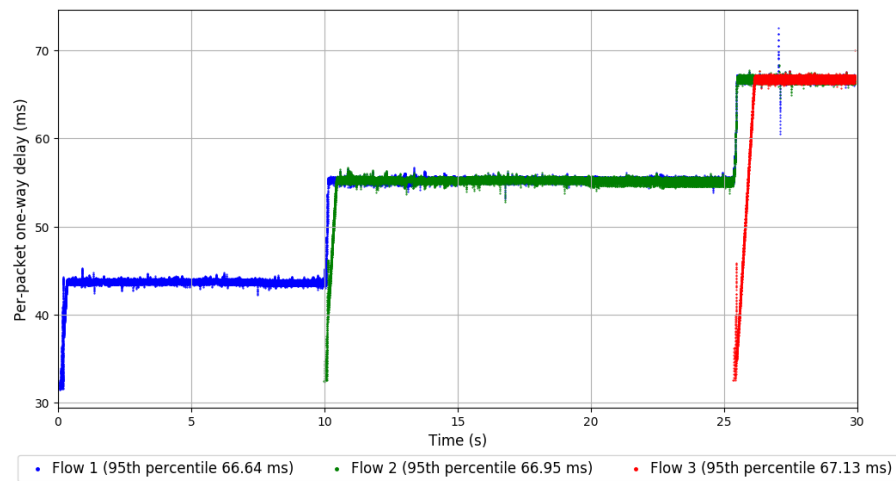
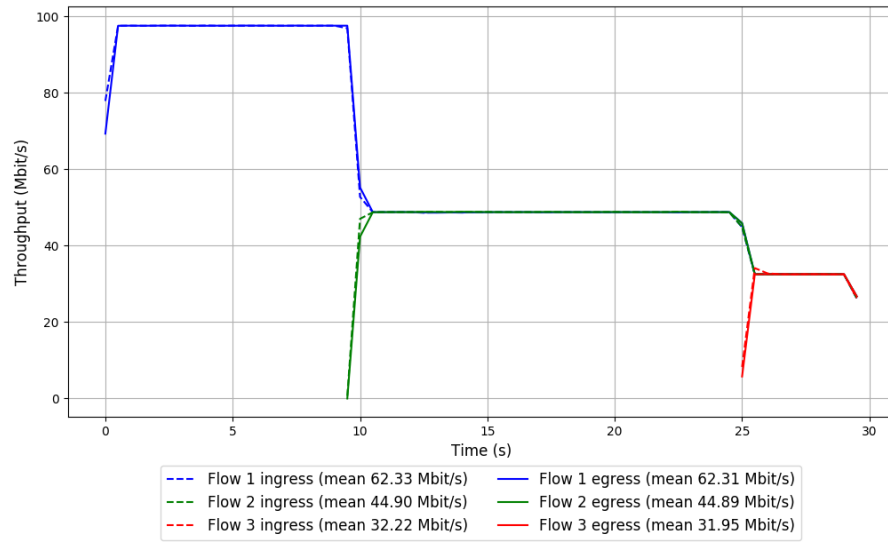
Figure is missing

Run 3: Statistics of TCP Cubic

Start at: 2017-12-11 20:43:38
End at: 2017-12-11 20:44:08
Local clock offset: 4.539 ms
Remote clock offset: -11.799 ms

Below is generated by plot.py at 2017-12-12 01:36:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 66.870 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 62.31 Mbit/s
95th percentile per-packet one-way delay: 66.638 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 44.89 Mbit/s
95th percentile per-packet one-way delay: 66.947 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 67.129 ms
Loss rate: 1.30%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-12-11 21:00:16

End at: 2017-12-11 21:00:46

Local clock offset: 4.818 ms

Remote clock offset: -13.493 ms

Run 4: Report of TCP Cubic — Data Link

Figure is missing

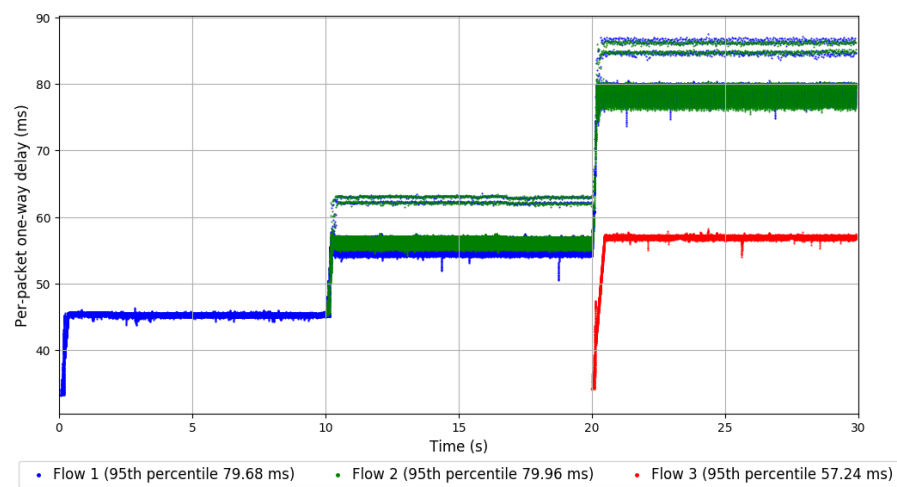
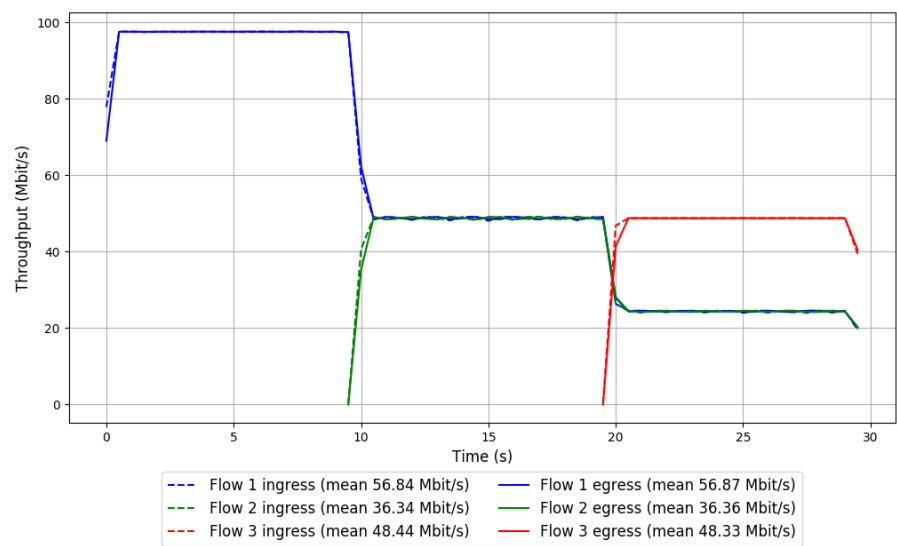
Figure is missing

Run 5: Statistics of TCP Cubic

Start at: 2017-12-11 21:17:09
End at: 2017-12-11 21:17:39
Local clock offset: 6.205 ms
Remote clock offset: -13.082 ms

Below is generated by plot.py at 2017-12-12 01:36:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 79.773 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 79.684 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 79.963 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 57.241 ms
Loss rate: 0.48%

Run 5: Report of TCP Cubic — Data Link

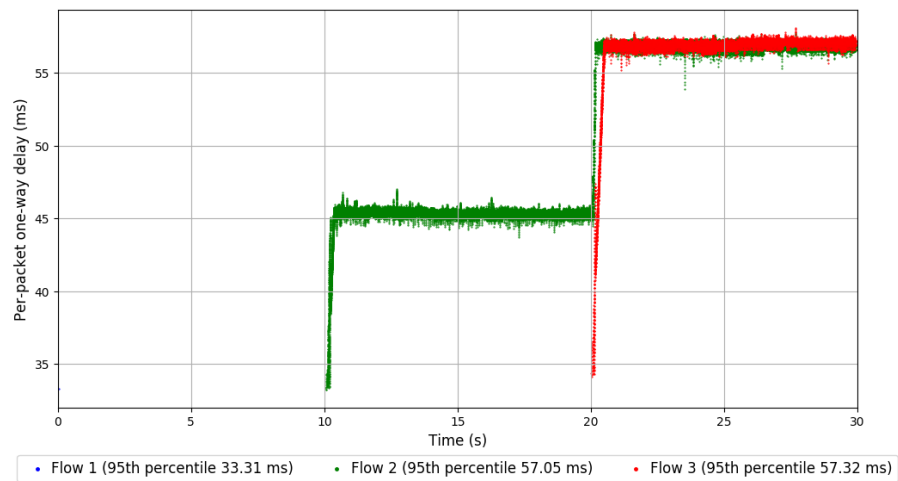
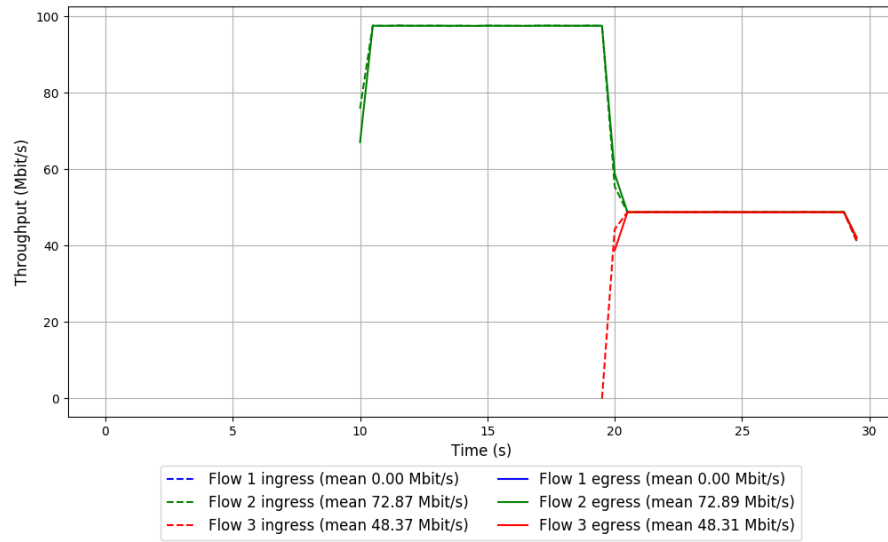


Run 6: Statistics of TCP Cubic

Start at: 2017-12-11 21:33:51
End at: 2017-12-11 21:34:21
Local clock offset: 6.715 ms
Remote clock offset: -12.421 ms

Below is generated by plot.py at 2017-12-12 01:36:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 57.212 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 33.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.89 Mbit/s
95th percentile per-packet one-way delay: 57.055 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 57.319 ms
Loss rate: 0.49%

Run 6: Report of TCP Cubic — Data Link

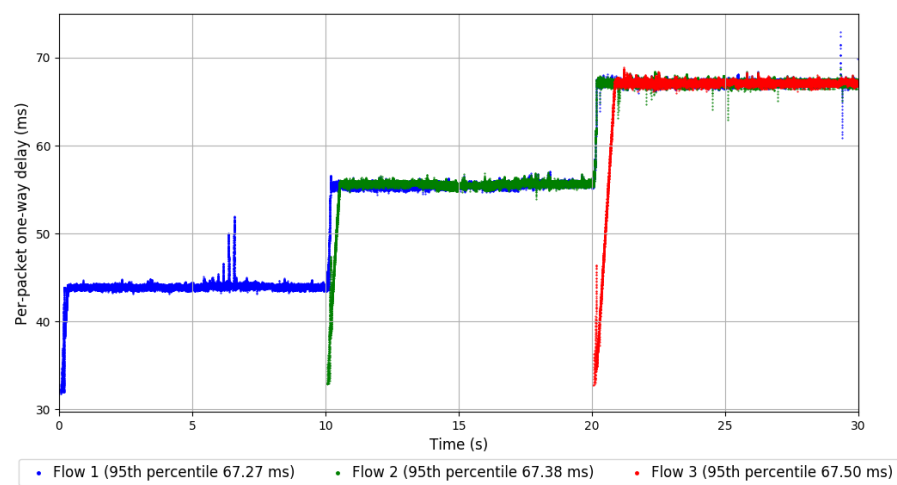
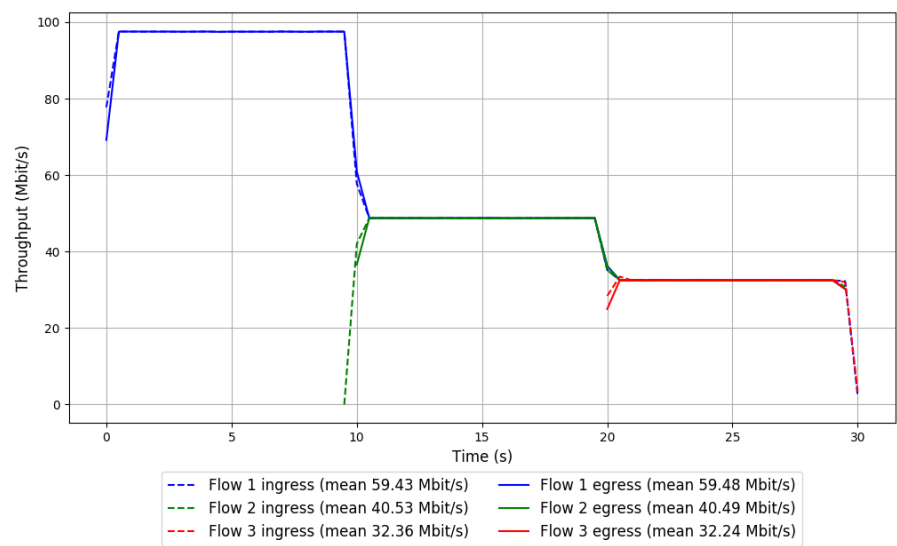


Run 7: Statistics of TCP Cubic

Start at: 2017-12-11 21:51:02
End at: 2017-12-11 21:51:32
Local clock offset: 6.012 ms
Remote clock offset: -11.064 ms

Below is generated by plot.py at 2017-12-12 01:36:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 67.364 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 67.270 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 67.382 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 67.497 ms
Loss rate: 1.48%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-12-11 22:08:02

End at: 2017-12-11 22:08:32

Local clock offset: 6.215 ms

Remote clock offset: -12.747 ms

Run 8: Report of TCP Cubic — Data Link

Figure is missing

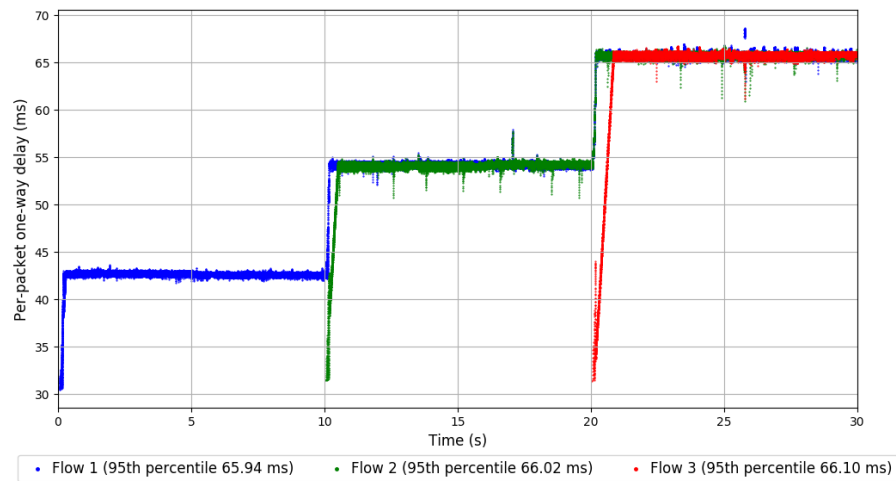
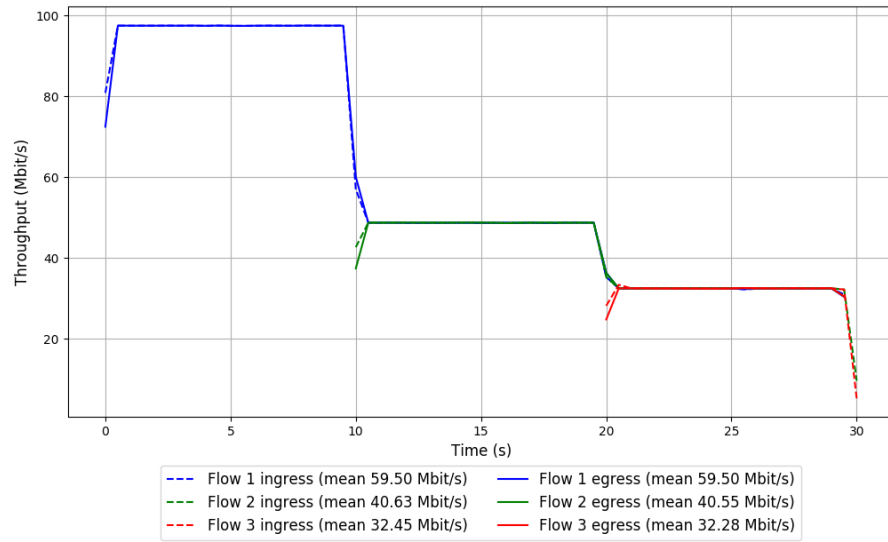
Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2017-12-11 22:24:43
End at: 2017-12-11 22:25:13
Local clock offset: 4.992 ms
Remote clock offset: -12.106 ms

Below is generated by plot.py at 2017-12-12 01:36:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 66.015 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 65.942 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 66.021 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 66.100 ms
Loss rate: 1.73%

Run 9: Report of TCP Cubic — Data Link

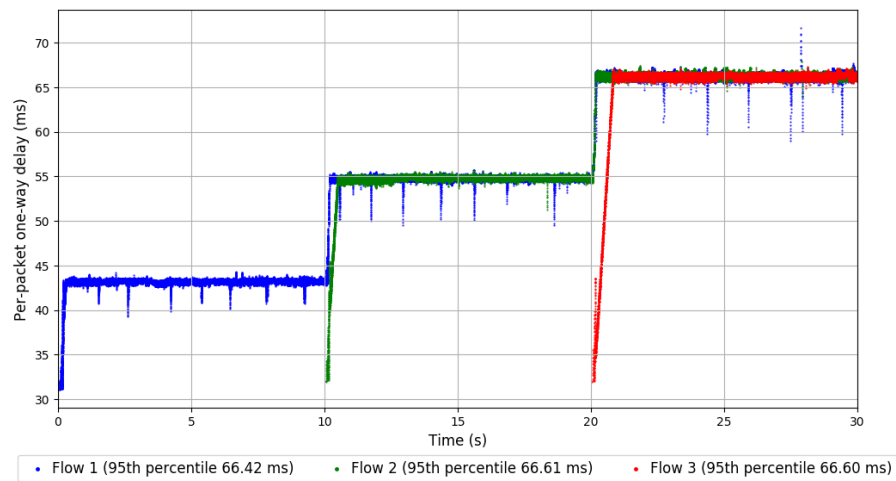
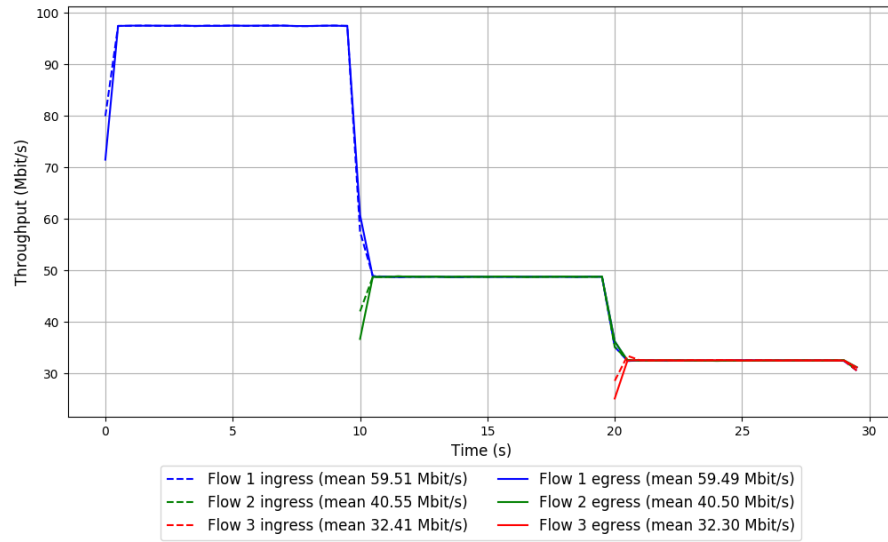


Run 10: Statistics of TCP Cubic

Start at: 2017-12-11 22:41:20
End at: 2017-12-11 22:41:50
Local clock offset: 5.711 ms
Remote clock offset: -12.663 ms

Below is generated by plot.py at 2017-12-12 01:37:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 66.549 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 66.424 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 66.607 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.30 Mbit/s
95th percentile per-packet one-way delay: 66.600 ms
Loss rate: 0.58%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of LEDBAT

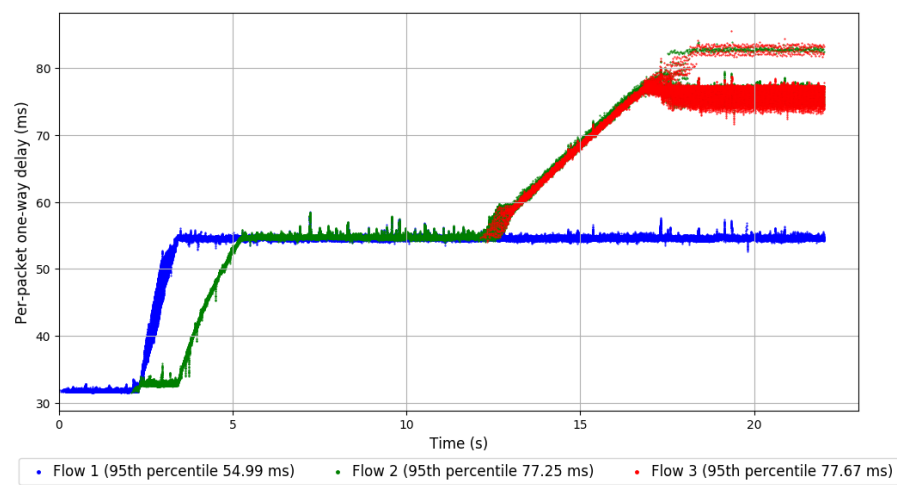
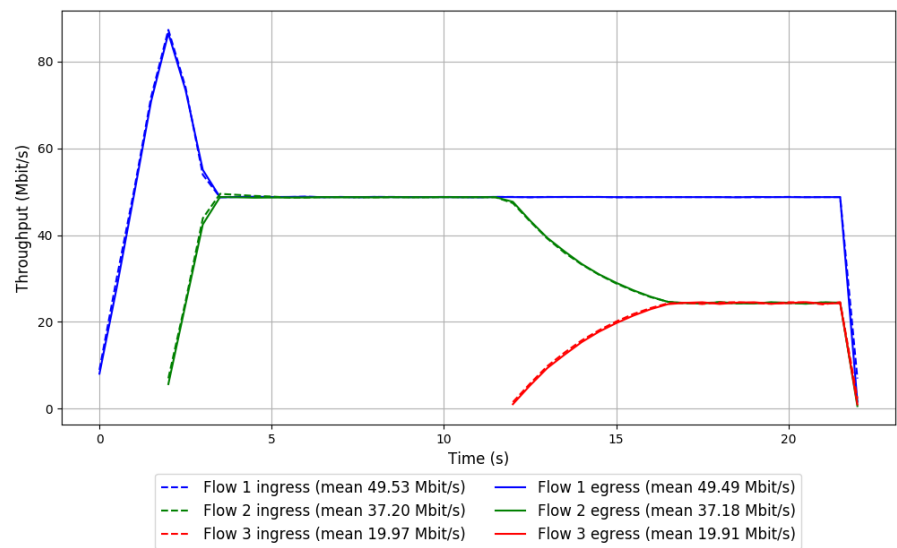
Start at: 2017-12-11 20:11:40

End at: 2017-12-11 20:12:10

Local clock offset: 2.108 ms

Remote clock offset: -14.176 ms

Run 1: Report of LEDBAT — Data Link

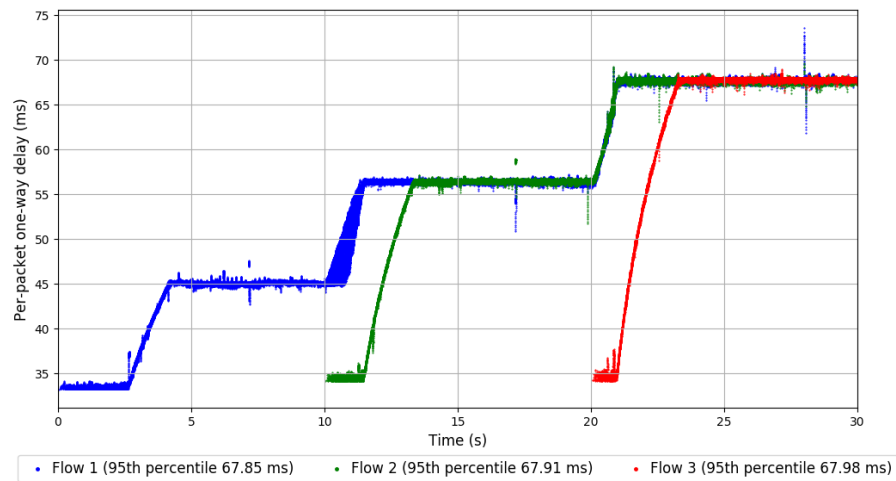
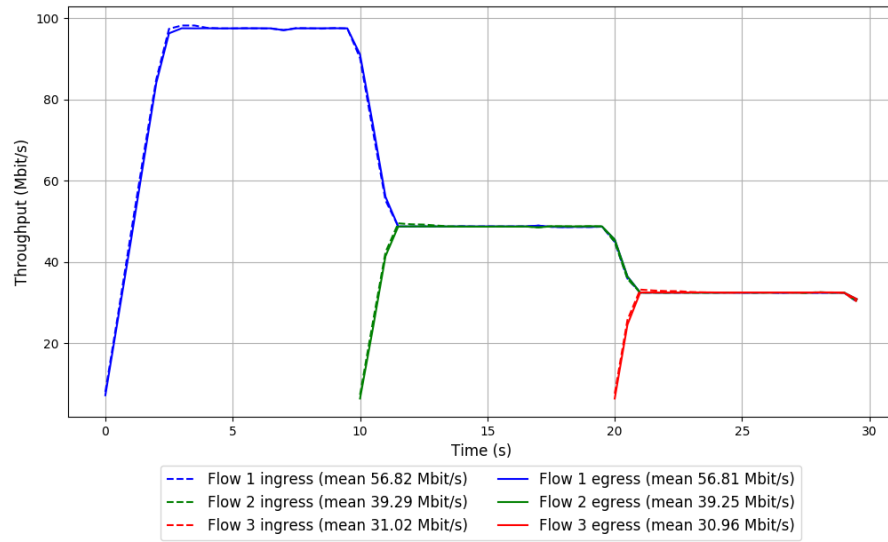


```
Run 2: Statistics of LEDBAT

Start at: 2017-12-11 20:29:05
End at: 2017-12-11 20:29:35
Local clock offset: 4.388 ms
Remote clock offset: -13.219 ms

# Below is generated by plot.py at 2017-12-12 01:37:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 67.903 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 67.853 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 67.910 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 67.980 ms
Loss rate: 0.61%
```

Run 2: Report of LEDBAT — Data Link

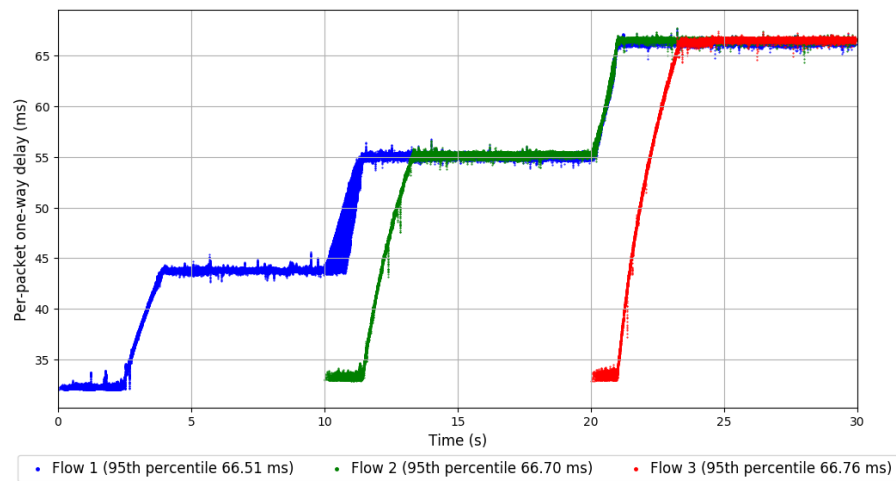
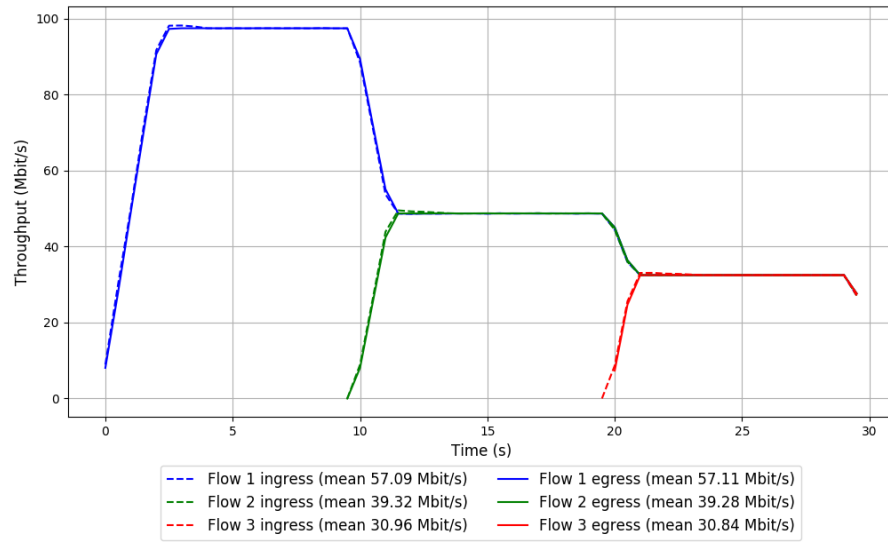


Run 3: Statistics of LEDBAT

Start at: 2017-12-11 20:45:57
End at: 2017-12-11 20:46:27
Local clock offset: 4.859 ms
Remote clock offset: -12.055 ms

Below is generated by plot.py at 2017-12-12 01:37:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.53 Mbit/s
95th percentile per-packet one-way delay: 66.664 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 66.510 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 66.701 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 66.759 ms
Loss rate: 0.62%

Run 3: Report of LEDBAT — Data Link

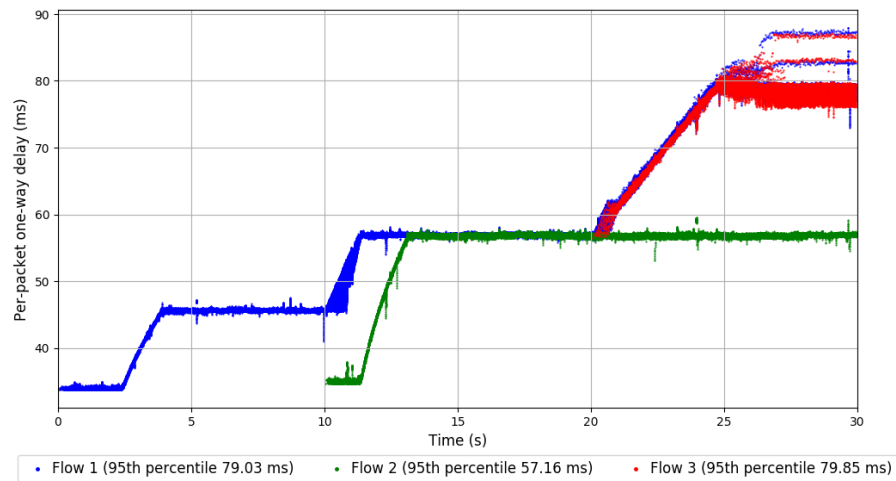
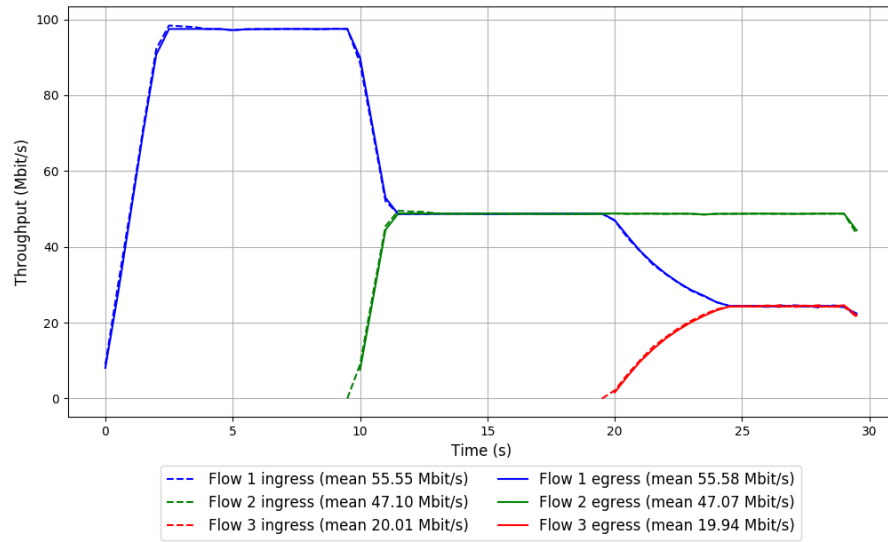


Run 4: Statistics of LEDBAT

Start at: 2017-12-11 21:02:48
End at: 2017-12-11 21:03:18
Local clock offset: 7.187 ms
Remote clock offset: -12.475 ms

Below is generated by plot.py at 2017-12-12 01:37:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 79.083 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 79.032 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 57.157 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 19.94 Mbit/s
95th percentile per-packet one-way delay: 79.846 ms
Loss rate: 0.80%

Run 4: Report of LEDBAT — Data Link

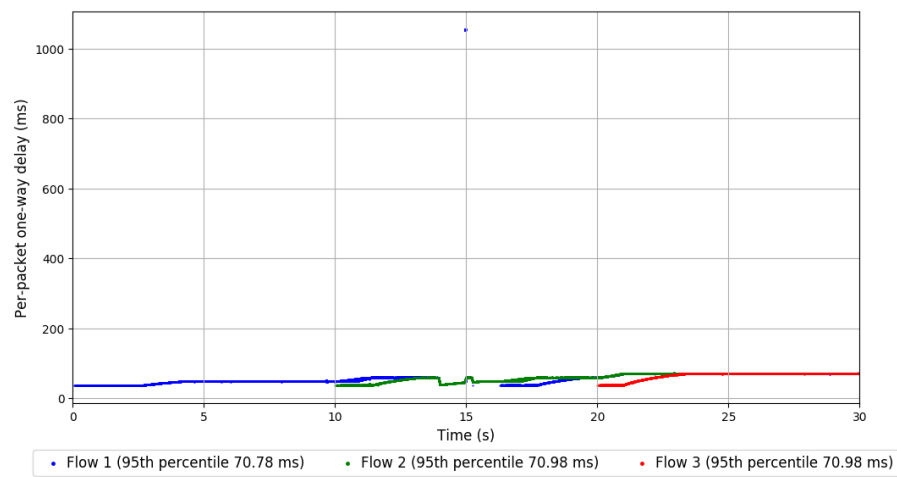
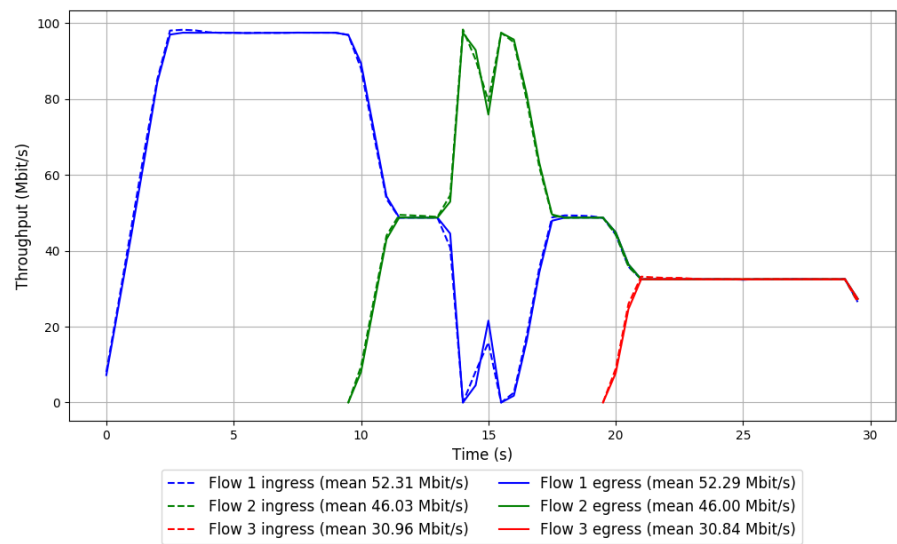


Run 5: Statistics of LEDBAT

Start at: 2017-12-11 21:19:31
End at: 2017-12-11 21:20:01
Local clock offset: 1.021 ms
Remote clock offset: -21.191 ms

Below is generated by plot.py at 2017-12-12 01:37:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 70.920 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 52.29 Mbit/s
95th percentile per-packet one-way delay: 70.778 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 70.976 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 30.84 Mbit/s
95th percentile per-packet one-way delay: 70.983 ms
Loss rate: 0.62%

Run 5: Report of LEDBAT — Data Link

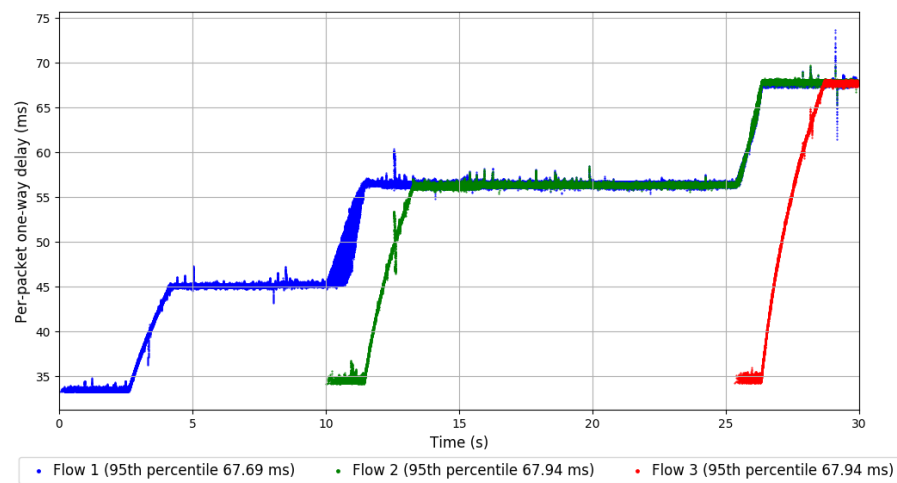
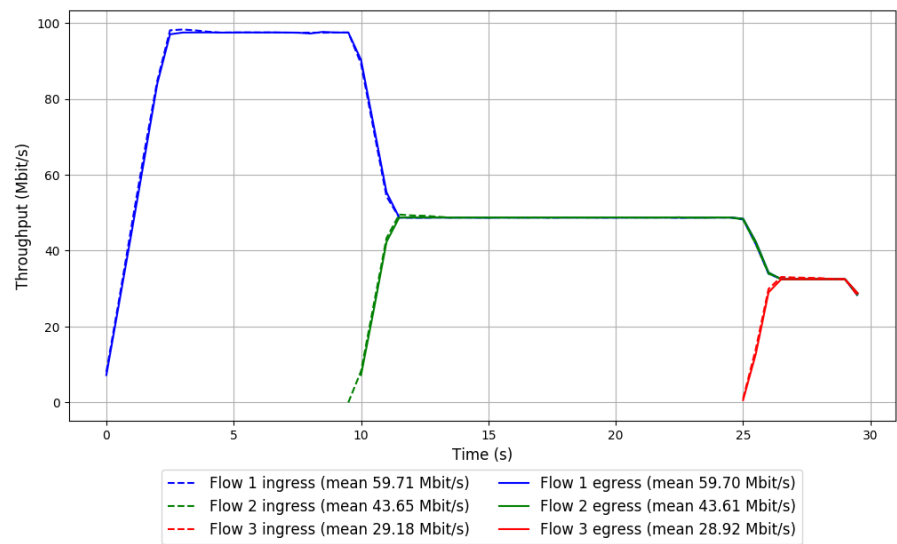


Run 6: Statistics of LEDBAT

Start at: 2017-12-11 21:36:12
End at: 2017-12-11 21:36:42
Local clock offset: 6.455 ms
Remote clock offset: -12.535 ms

Below is generated by plot.py at 2017-12-12 01:37:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.21 Mbit/s
95th percentile per-packet one-way delay: 67.858 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.70 Mbit/s
95th percentile per-packet one-way delay: 67.686 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 67.945 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 67.938 ms
Loss rate: 1.41%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-12-11 21:53:29

End at: 2017-12-11 21:53:59

Local clock offset: 5.354 ms

Remote clock offset: -11.683 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

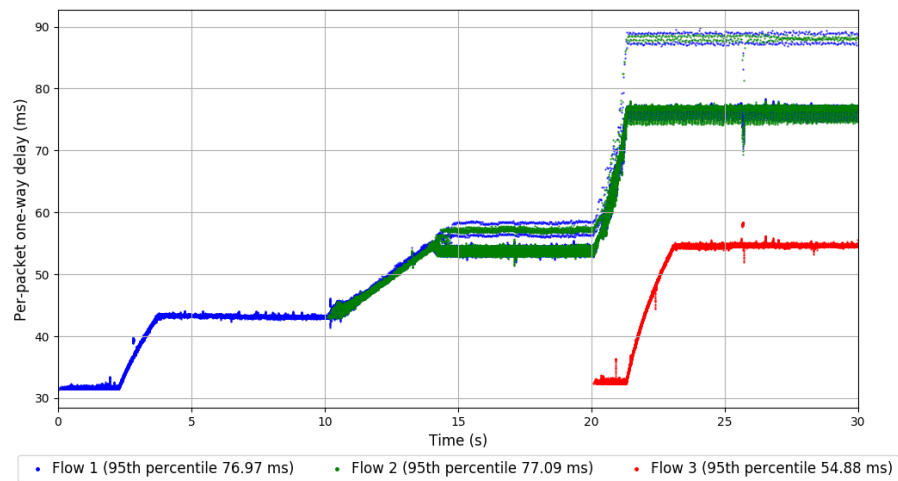
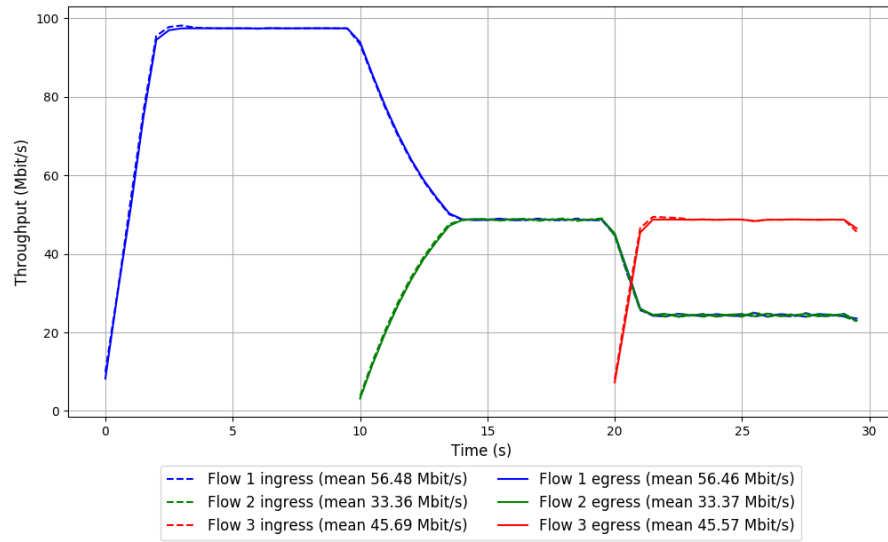
Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2017-12-11 22:10:19
End at: 2017-12-11 22:10:49
Local clock offset: 6.052 ms
Remote clock offset: -12.47 ms

Below is generated by plot.py at 2017-12-12 01:37:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 76.999 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 76.970 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 77.090 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 45.57 Mbit/s
95th percentile per-packet one-way delay: 54.875 ms
Loss rate: 0.49%

Run 8: Report of LEDBAT — Data Link

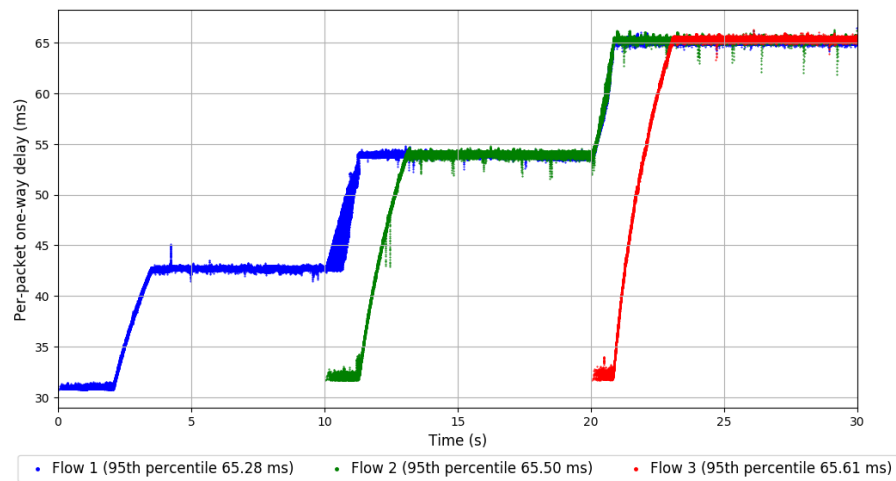
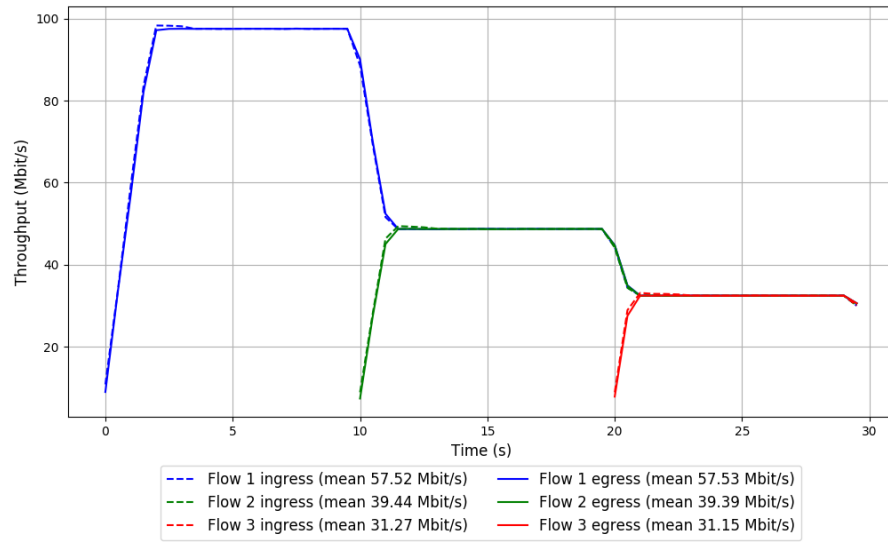


Run 9: Statistics of LEDBAT

Start at: 2017-12-11 22:27:06
End at: 2017-12-11 22:27:36
Local clock offset: 5.981 ms
Remote clock offset: -11.403 ms

Below is generated by plot.py at 2017-12-12 01:38:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 65.469 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 65.279 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 65.496 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 65.608 ms
Loss rate: 0.60%

Run 9: Report of LEDBAT — Data Link

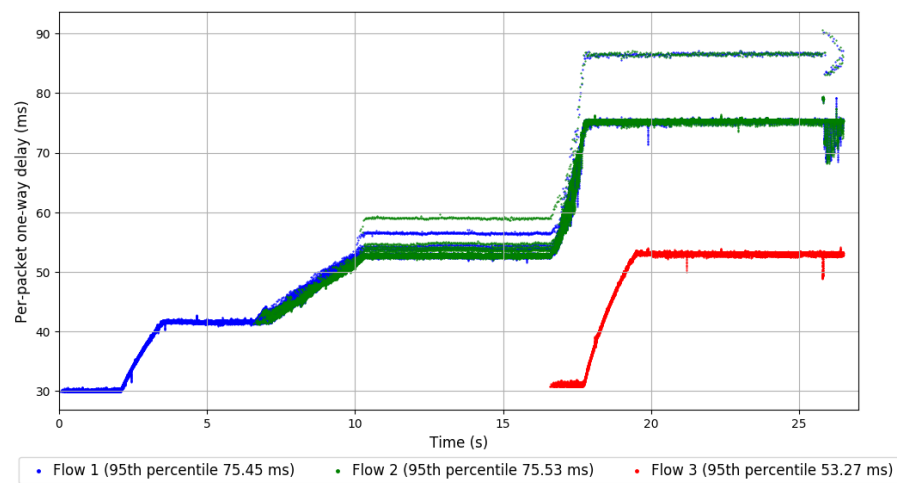
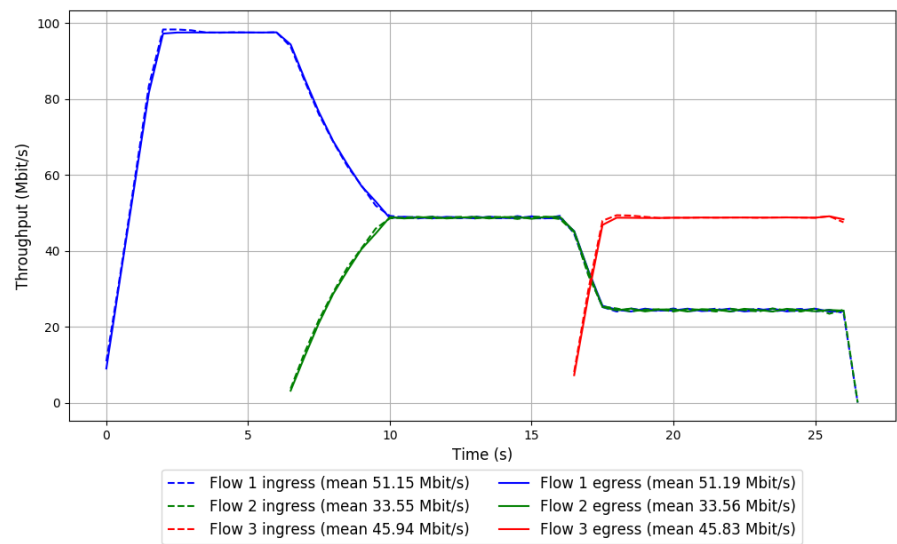


Run 10: Statistics of LEDBAT

Start at: 2017-12-11 22:43:42
End at: 2017-12-11 22:44:12
Local clock offset: 3.652 ms
Remote clock offset: -13.709 ms

Below is generated by plot.py at 2017-12-12 01:38:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 75.461 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 51.19 Mbit/s
95th percentile per-packet one-way delay: 75.448 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.56 Mbit/s
95th percentile per-packet one-way delay: 75.529 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 45.83 Mbit/s
95th percentile per-packet one-way delay: 53.271 ms
Loss rate: 0.48%

Run 10: Report of LEDBAT — Data Link

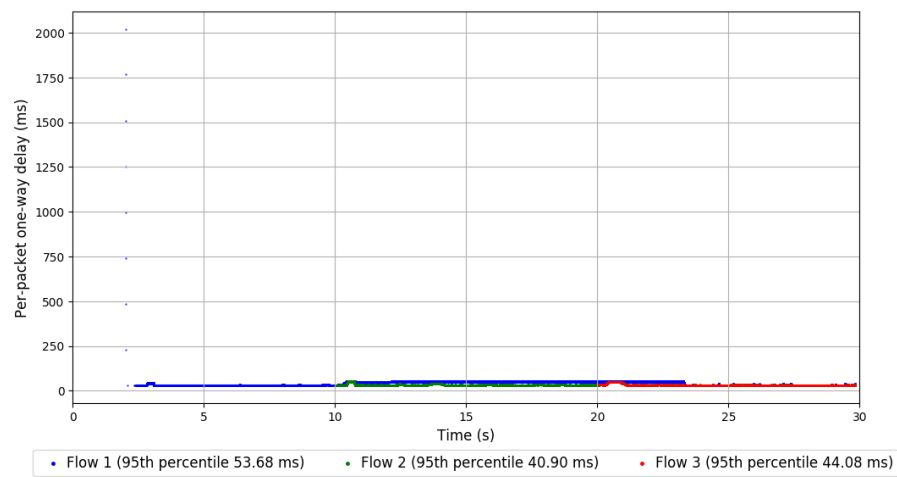
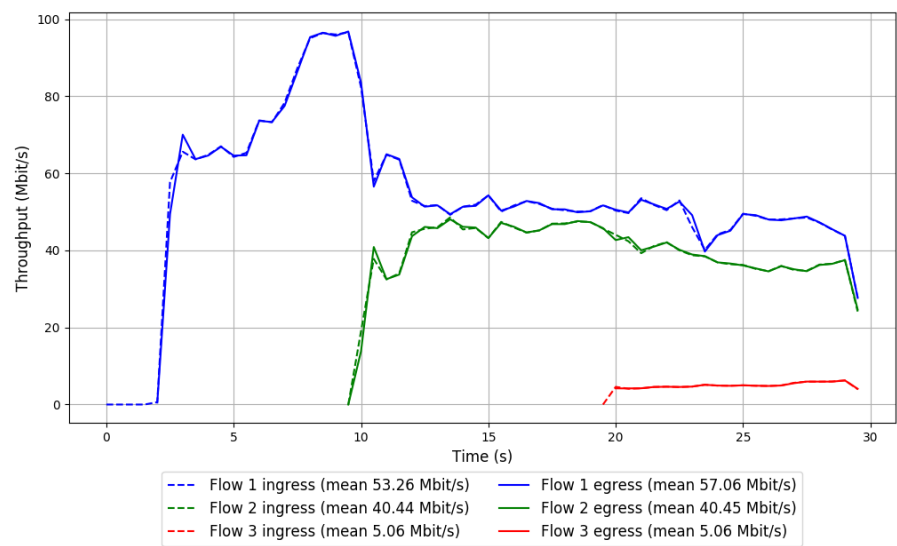


```
Run 1: Statistics of PCC

Start at: 2017-12-11 20:10:29
End at: 2017-12-11 20:10:59
Local clock offset: 1.534 ms
Remote clock offset: -14.475 ms

# Below is generated by plot.py at 2017-12-12 01:38:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 53.336 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 53.680 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 40.895 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 44.083 ms
Loss rate: 0.32%
```

Run 1: Report of PCC — Data Link

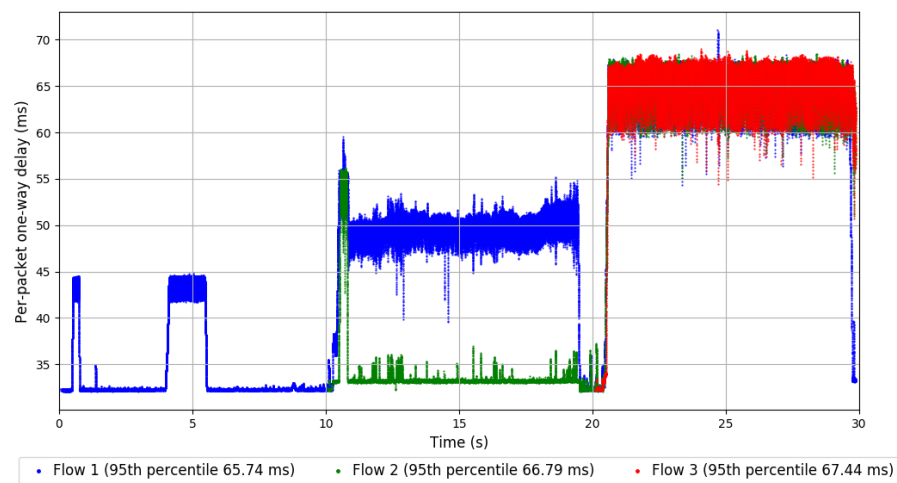
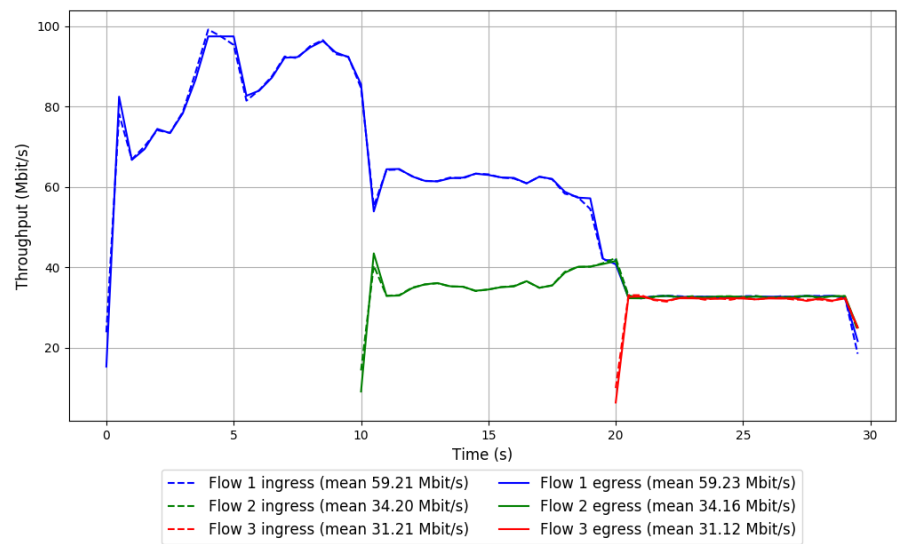


Run 2: Statistics of PCC

Start at: 2017-12-11 20:27:56
End at: 2017-12-11 20:28:26
Local clock offset: 4.052 ms
Remote clock offset: -12.623 ms

Below is generated by plot.py at 2017-12-12 01:39:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 66.629 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 65.741 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 66.786 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 67.438 ms
Loss rate: 0.65%

Run 2: Report of PCC — Data Link

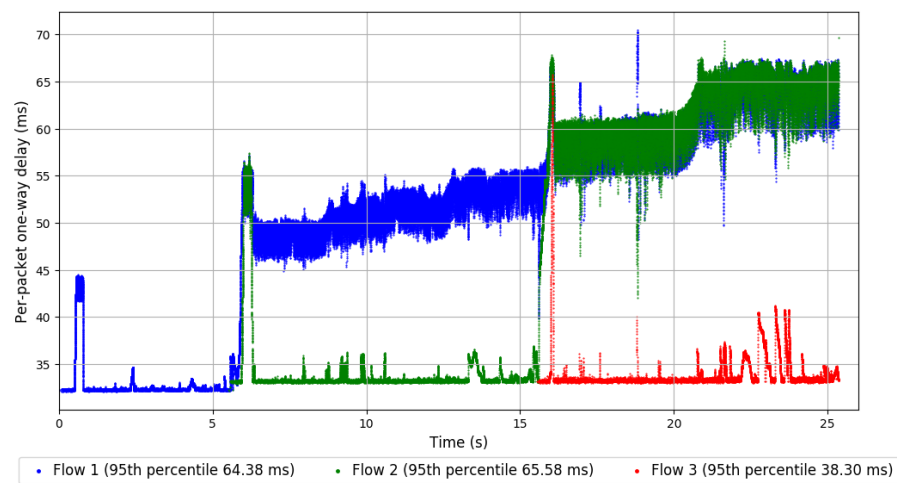
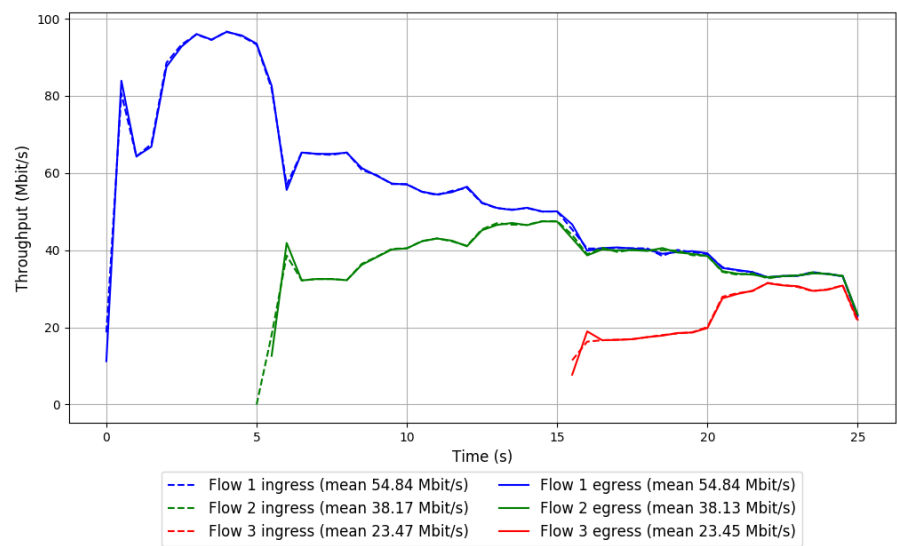


Run 3: Statistics of PCC

Start at: 2017-12-11 20:44:49
End at: 2017-12-11 20:45:19
Local clock offset: 4.931 ms
Remote clock offset: -12.091 ms

Below is generated by plot.py at 2017-12-12 01:39:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 64.835 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 54.84 Mbit/s
95th percentile per-packet one-way delay: 64.377 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 38.13 Mbit/s
95th percentile per-packet one-way delay: 65.575 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 38.303 ms
Loss rate: 0.34%

Run 3: Report of PCC — Data Link

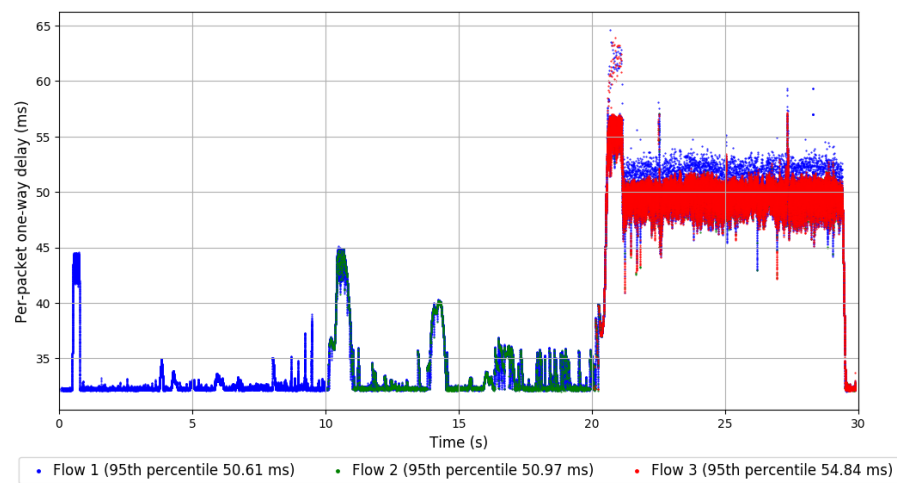
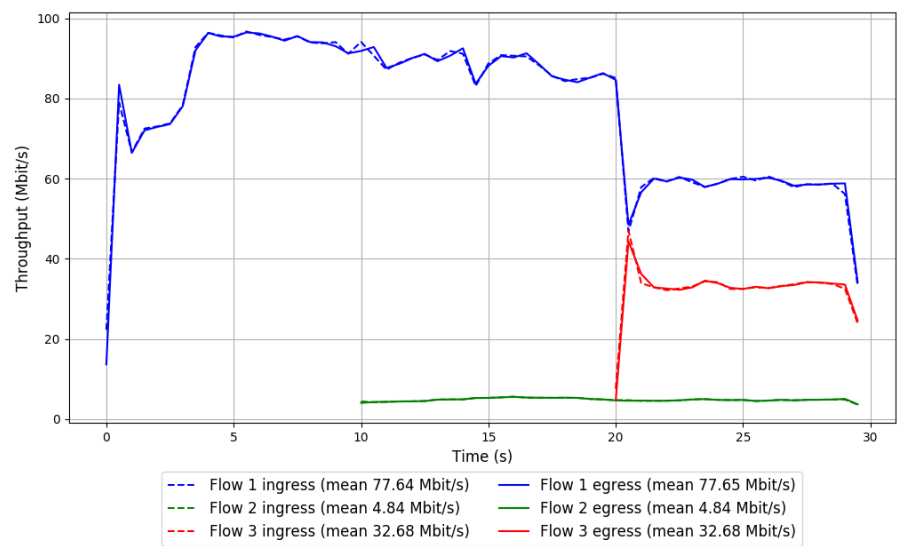


Run 4: Statistics of PCC

Start at: 2017-12-11 21:01:38
End at: 2017-12-11 21:02:08
Local clock offset: 4.092 ms
Remote clock offset: -13.96 ms

Below is generated by plot.py at 2017-12-12 01:39:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 50.897 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 50.607 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 50.972 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 54.843 ms
Loss rate: 0.24%

Run 4: Report of PCC — Data Link

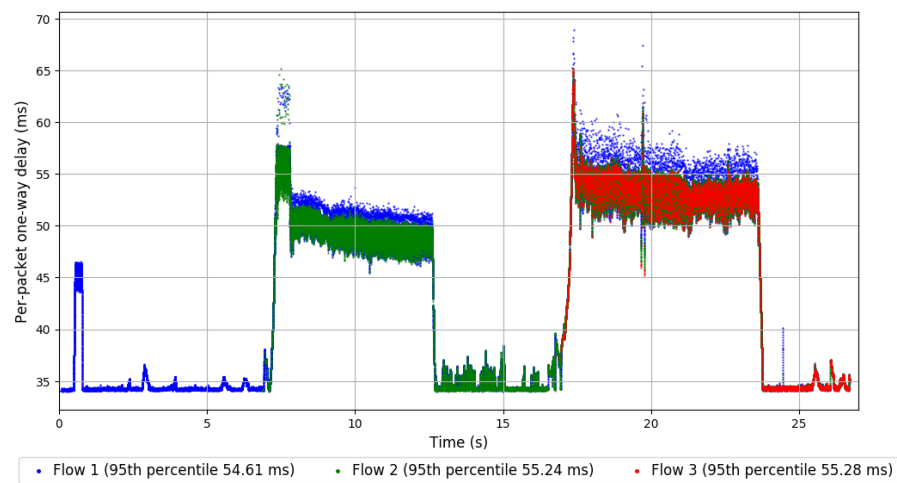
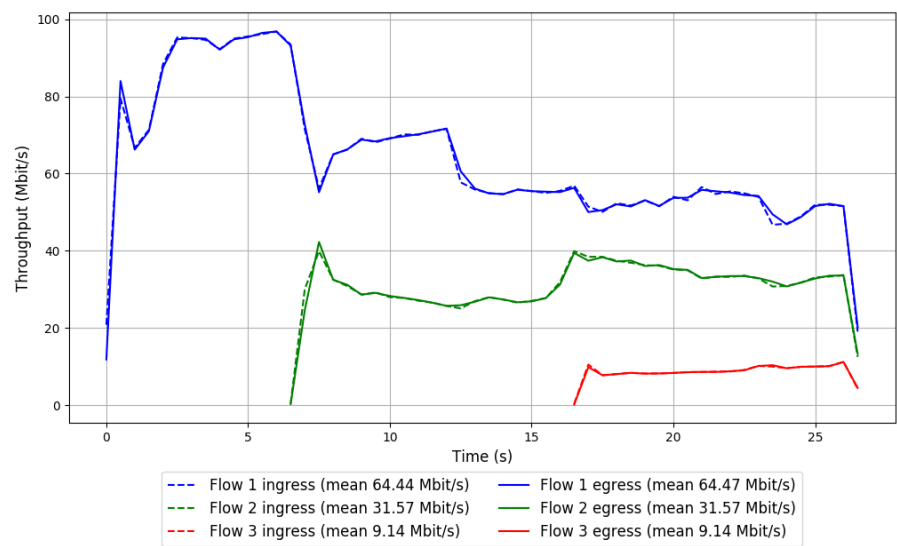


Run 5: Statistics of PCC

Start at: 2017-12-11 21:18:22
End at: 2017-12-11 21:18:52
Local clock offset: 6.296 ms
Remote clock offset: -13.895 ms

Below is generated by plot.py at 2017-12-12 01:39:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 54.872 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 54.610 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 55.236 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 55.280 ms
Loss rate: 0.31%

Run 5: Report of PCC — Data Link

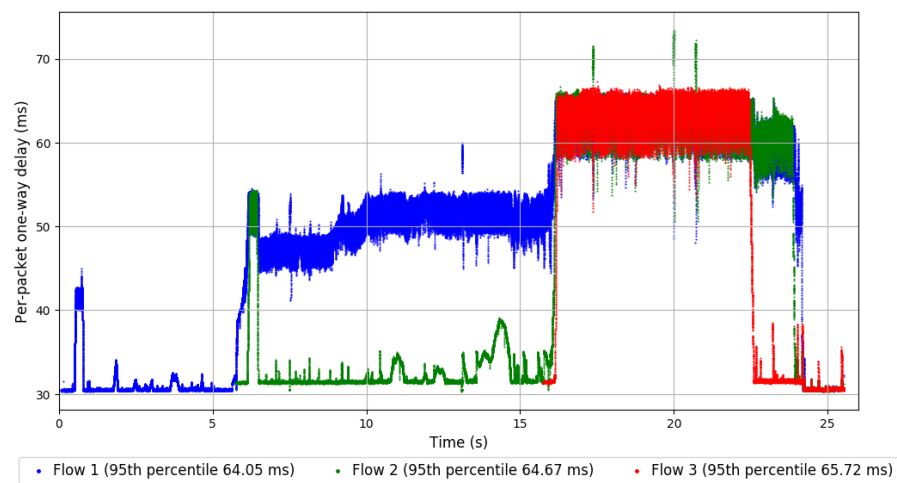
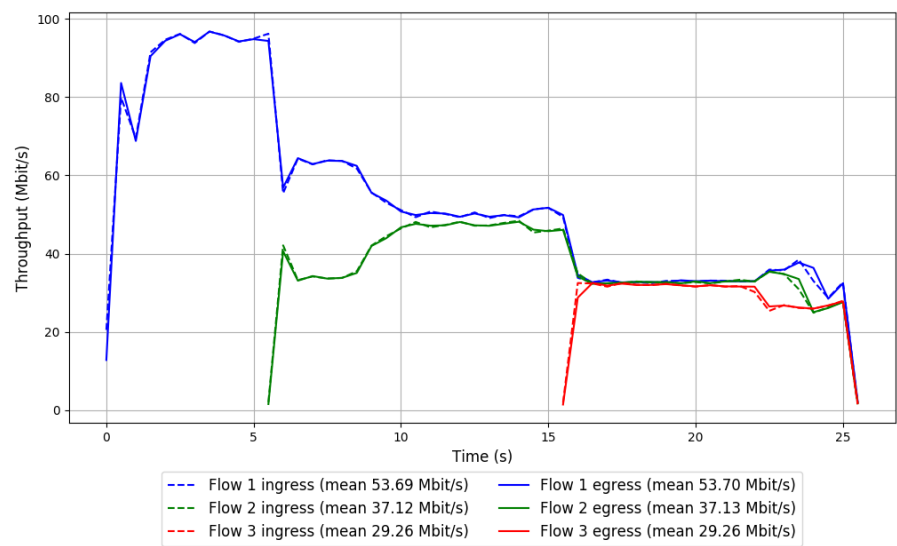


Run 6: Statistics of PCC

Start at: 2017-12-11 21:35:02
End at: 2017-12-11 21:35:32
Local clock offset: 3.807 ms
Remote clock offset: -12.409 ms

Below is generated by plot.py at 2017-12-12 01:39:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 64.750 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 53.70 Mbit/s
95th percentile per-packet one-way delay: 64.054 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 64.669 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.26 Mbit/s
95th percentile per-packet one-way delay: 65.725 ms
Loss rate: 0.23%

Run 6: Report of PCC — Data Link

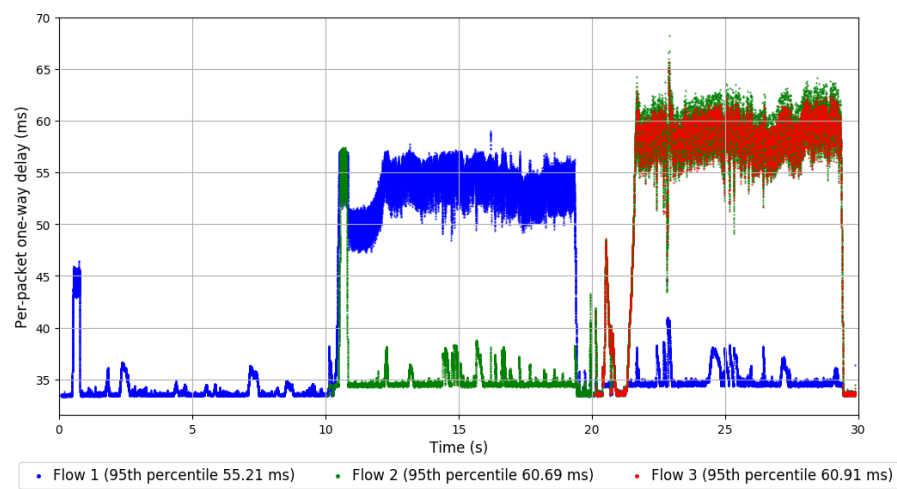
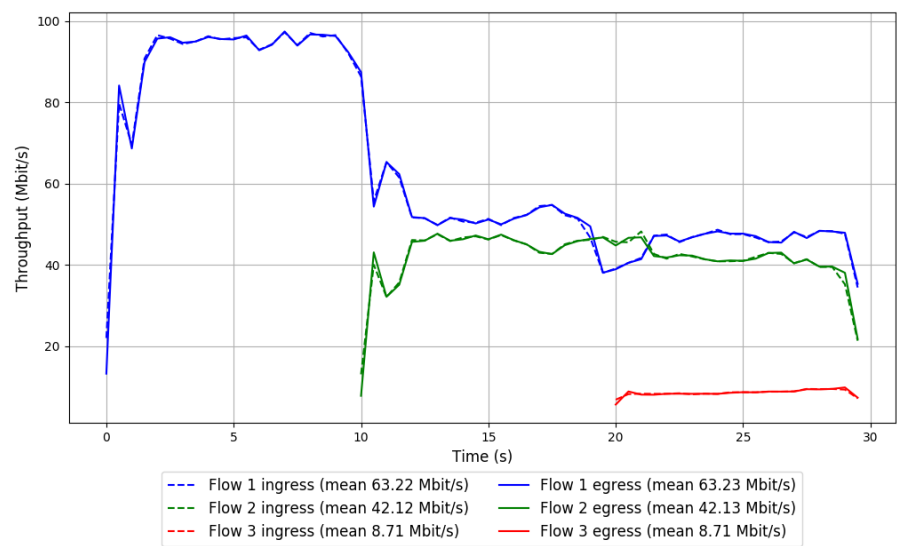


Run 7: Statistics of PCC

Start at: 2017-12-11 21:52:17
End at: 2017-12-11 21:52:47
Local clock offset: 5.802 ms
Remote clock offset: -12.728 ms

Below is generated by plot.py at 2017-12-12 01:39:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 59.401 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 55.212 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 60.685 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 8.71 Mbit/s
95th percentile per-packet one-way delay: 60.913 ms
Loss rate: 0.27%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

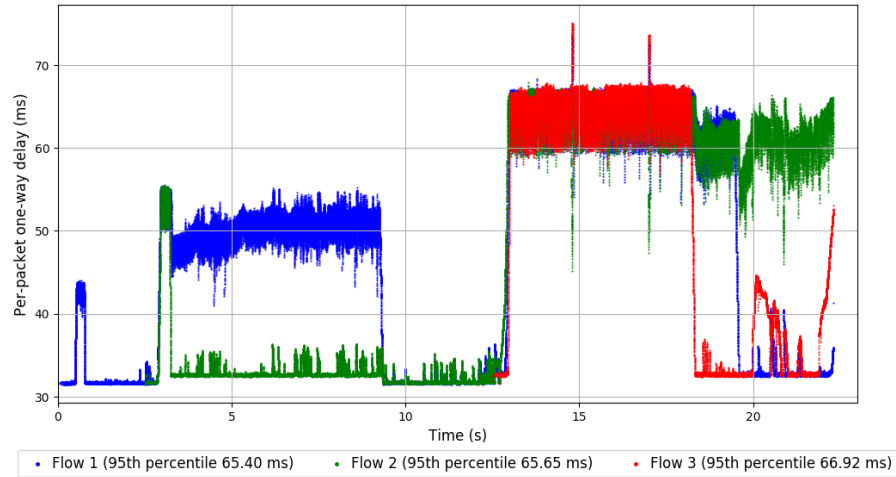
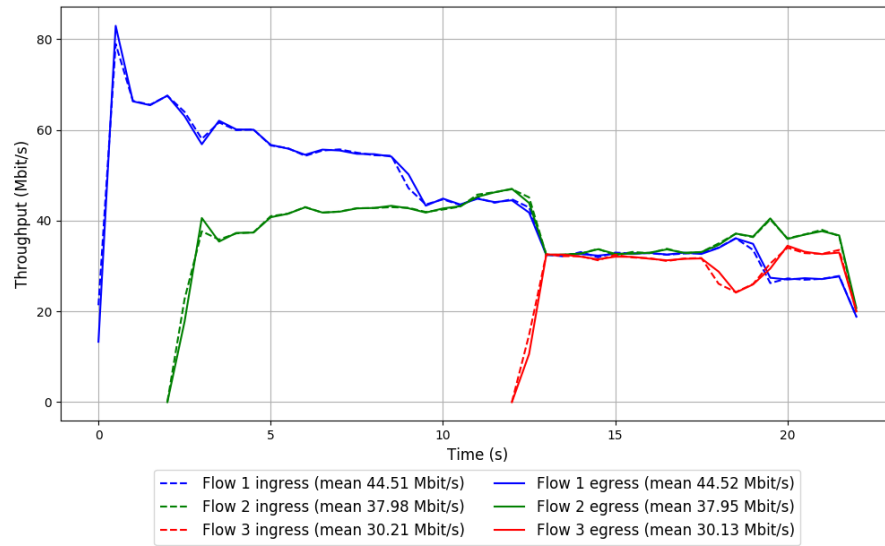
Start at: 2017-12-11 22:09:11

End at: 2017-12-11 22:09:41

Local clock offset: 6.059 ms

Remote clock offset: -10.888 ms

Run 8: Report of PCC — Data Link

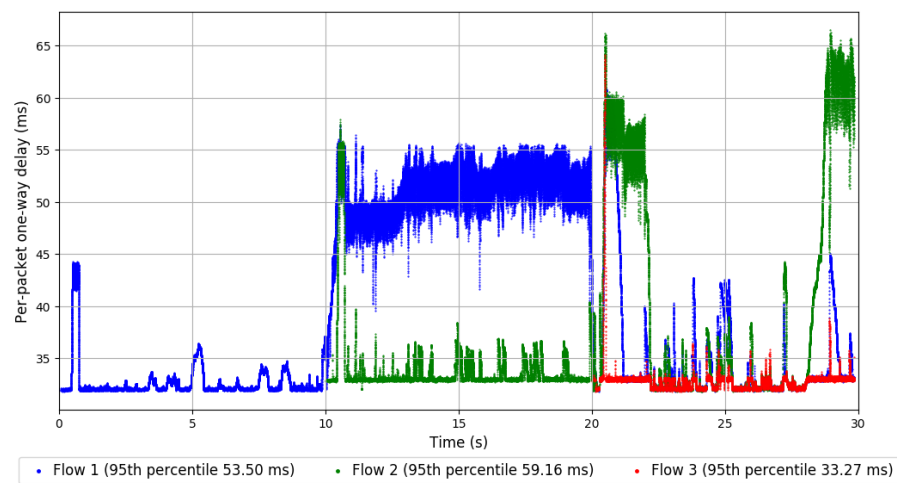
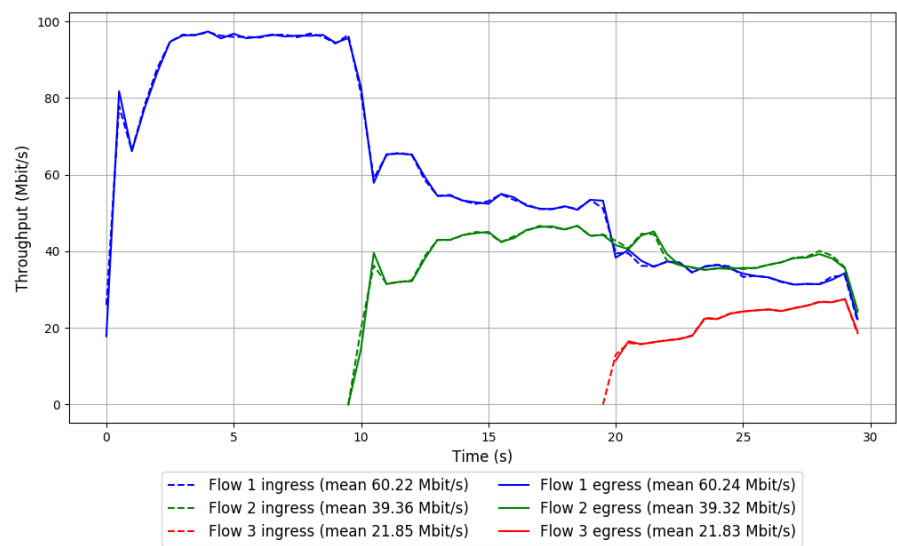


Run 9: Statistics of PCC

Start at: 2017-12-11 22:25:56
End at: 2017-12-11 22:26:26
Local clock offset: 6.038 ms
Remote clock offset: -12.545 ms

Below is generated by plot.py at 2017-12-12 01:40:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 54.361 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.24 Mbit/s
95th percentile per-packet one-way delay: 53.498 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 59.160 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 33.265 ms
Loss rate: 0.31%

Run 9: Report of PCC — Data Link

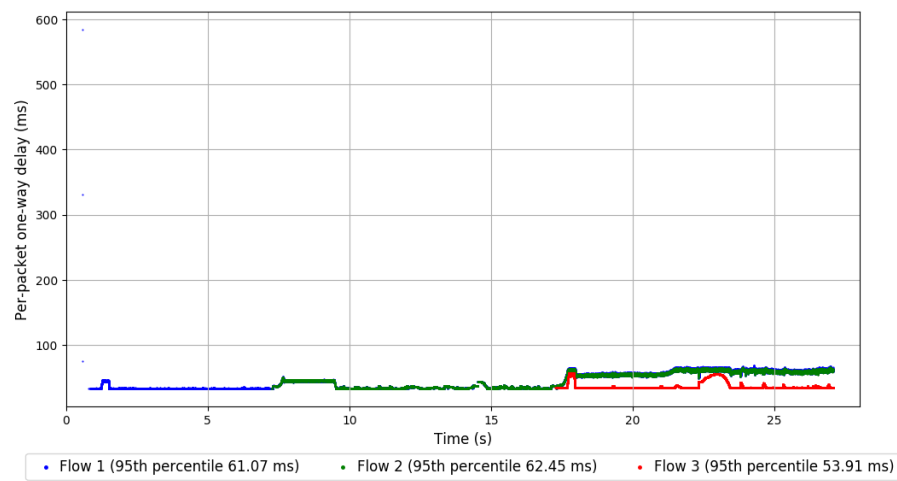
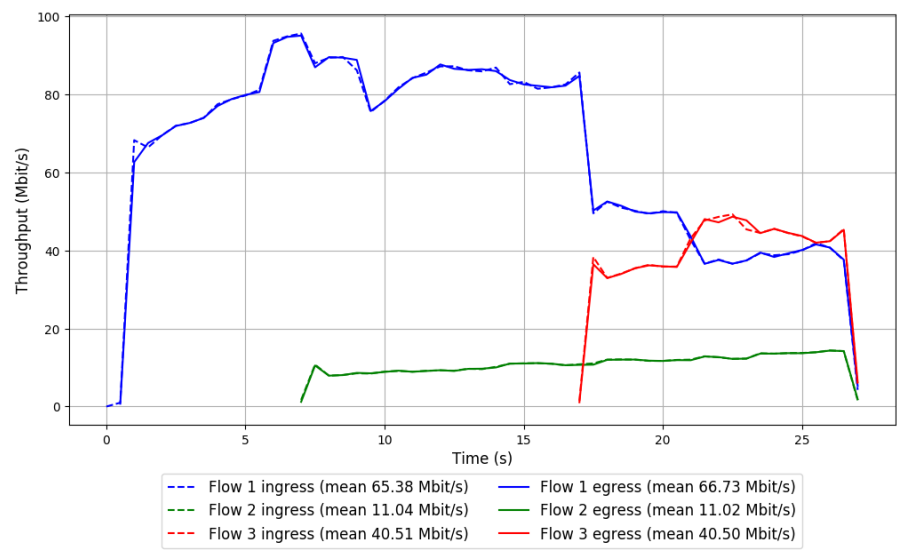


Run 10: Statistics of PCC

Start at: 2017-12-11 22:42:33
End at: 2017-12-11 22:43:03
Local clock offset: 6.352 ms
Remote clock offset: -14.105 ms

Below is generated by plot.py at 2017-12-12 01:40:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.00 Mbit/s
95th percentile per-packet one-way delay: 61.023 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 66.73 Mbit/s
95th percentile per-packet one-way delay: 61.072 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 62.448 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 53.911 ms
Loss rate: 0.26%

Run 10: Report of PCC — Data Link

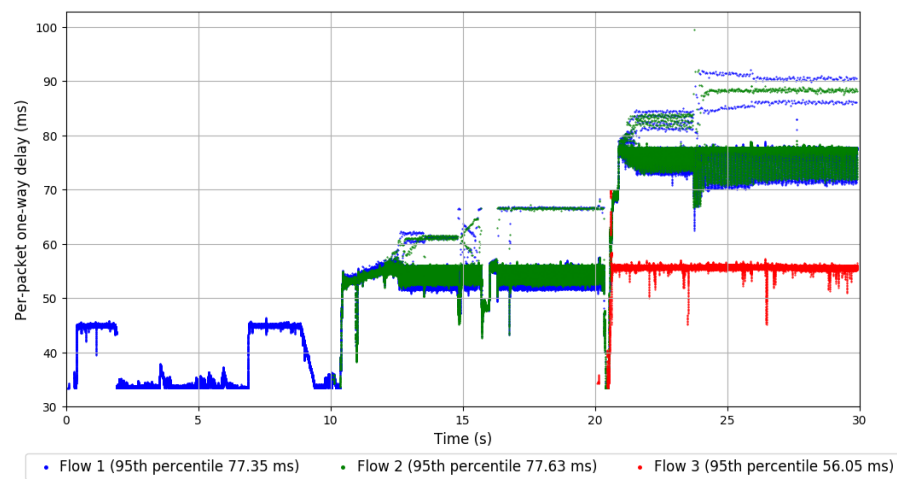
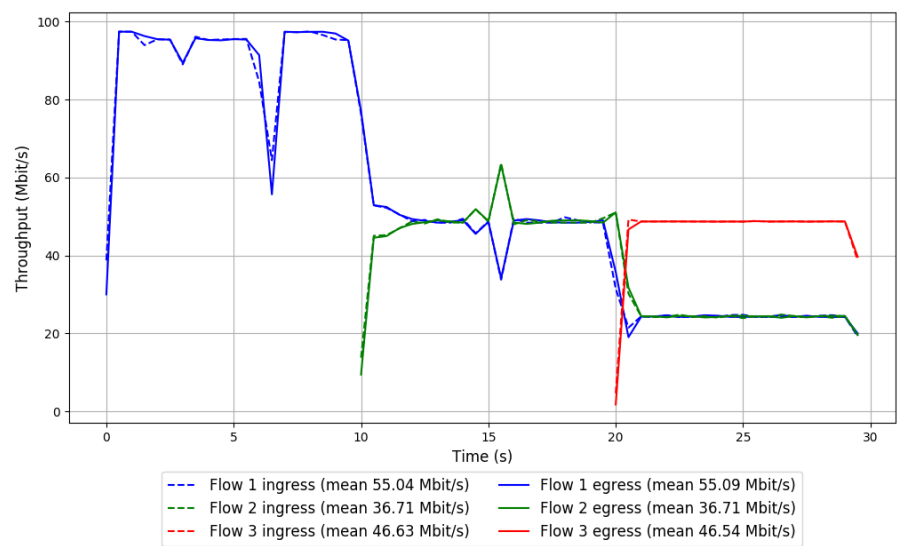


Run 1: Statistics of QUIC Cubic

Start at: 2017-12-11 20:01:41
End at: 2017-12-11 20:02:11
Local clock offset: 4.134 ms
Remote clock offset: -14.236 ms

Below is generated by plot.py at 2017-12-12 01:40:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 77.459 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.09 Mbit/s
95th percentile per-packet one-way delay: 77.353 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 77.630 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 46.54 Mbit/s
95th percentile per-packet one-way delay: 56.049 ms
Loss rate: 0.49%

Run 1: Report of QUIC Cubic — Data Link

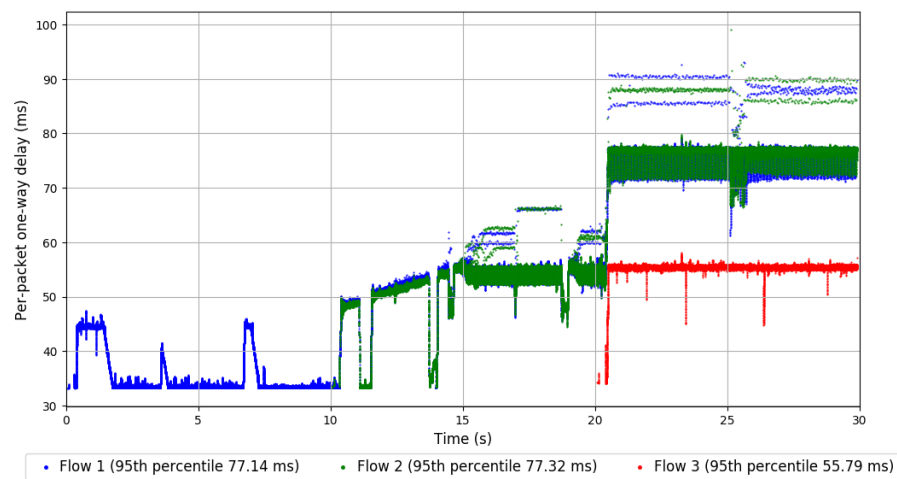
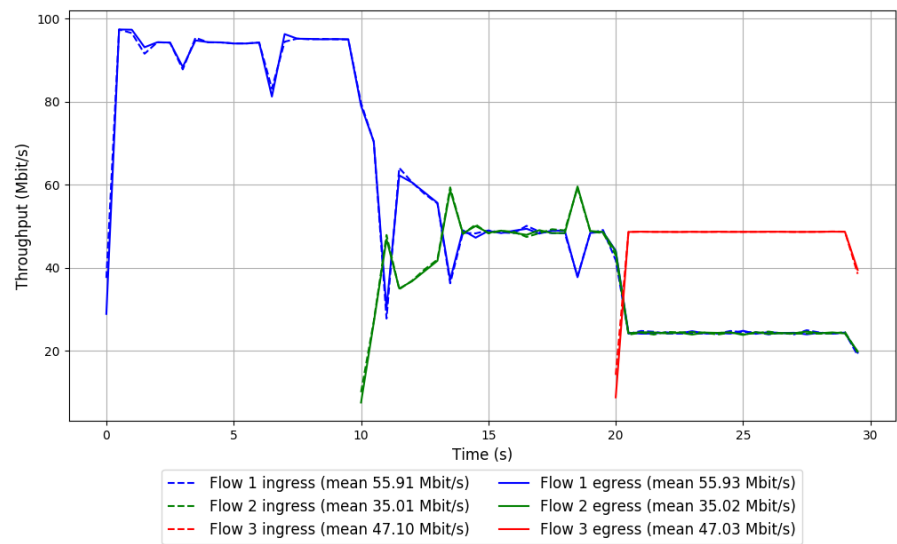


Run 2: Statistics of QUIC Cubic

Start at: 2017-12-11 20:19:26
End at: 2017-12-11 20:19:56
Local clock offset: 4.17 ms
Remote clock offset: -13.532 ms

Below is generated by plot.py at 2017-12-12 01:40:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 77.182 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 77.137 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 77.318 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 55.791 ms
Loss rate: 0.48%

Run 2: Report of QUIC Cubic — Data Link

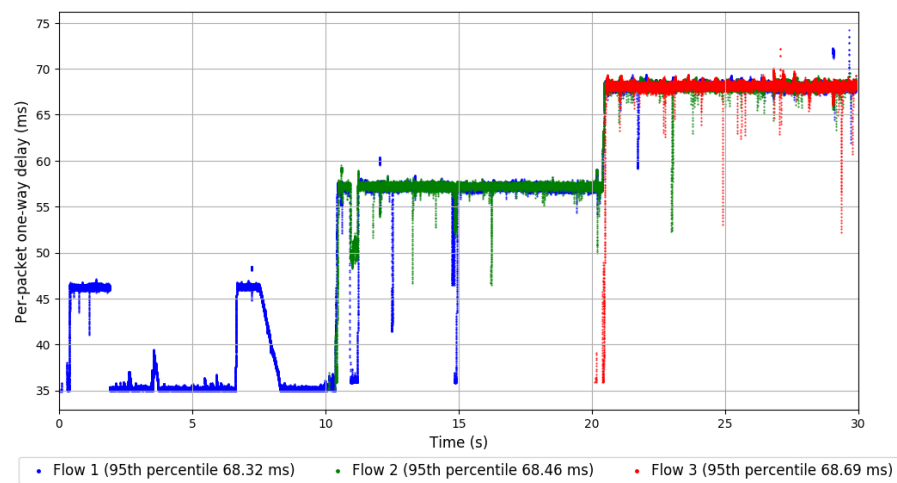
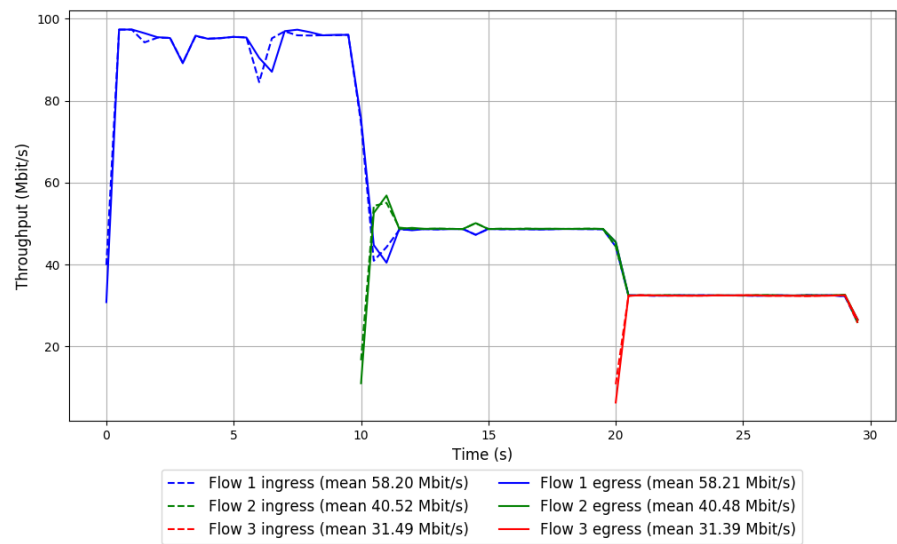


Run 3: Statistics of QUIC Cubic

Start at: 2017-12-11 20:36:20
End at: 2017-12-11 20:36:50
Local clock offset: 5.434 ms
Remote clock offset: -14.34 ms

Below is generated by plot.py at 2017-12-12 01:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.42 Mbit/s
95th percentile per-packet one-way delay: 68.455 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.21 Mbit/s
95th percentile per-packet one-way delay: 68.321 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 68.464 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 68.686 ms
Loss rate: 0.59%

Run 3: Report of QUIC Cubic — Data Link

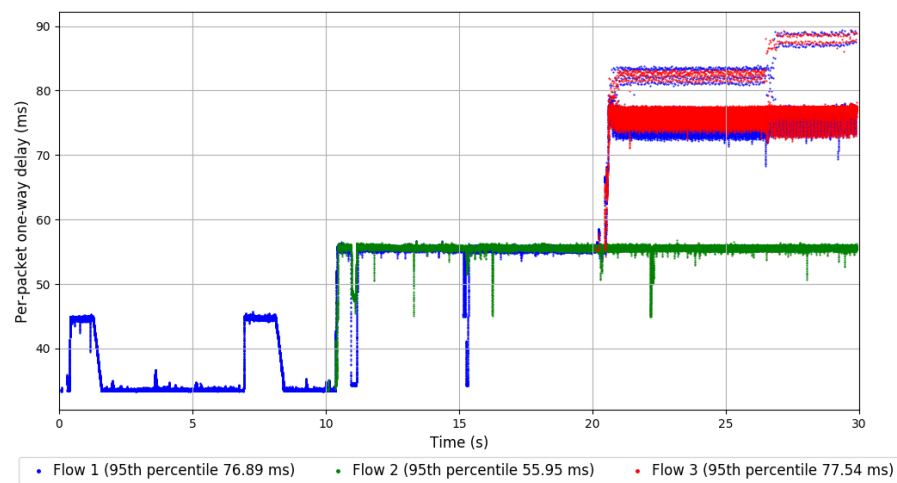
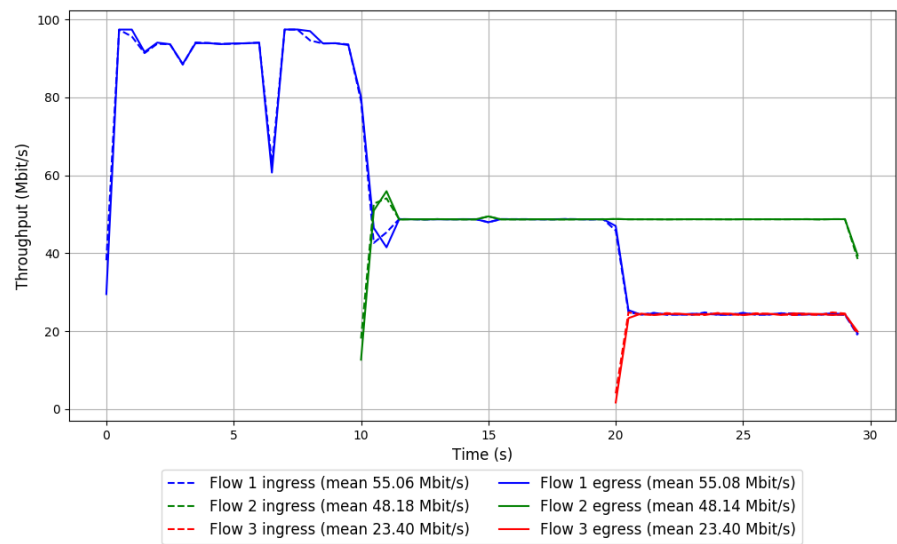


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-11 20:53:08
End at: 2017-12-11 20:53:38
Local clock offset: 6.166 ms
Remote clock offset: -12.547 ms

Below is generated by plot.py at 2017-12-12 01:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 77.075 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 76.891 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 48.14 Mbit/s
95th percentile per-packet one-way delay: 55.951 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 77.541 ms
Loss rate: 0.72%

Run 4: Report of QUIC Cubic — Data Link

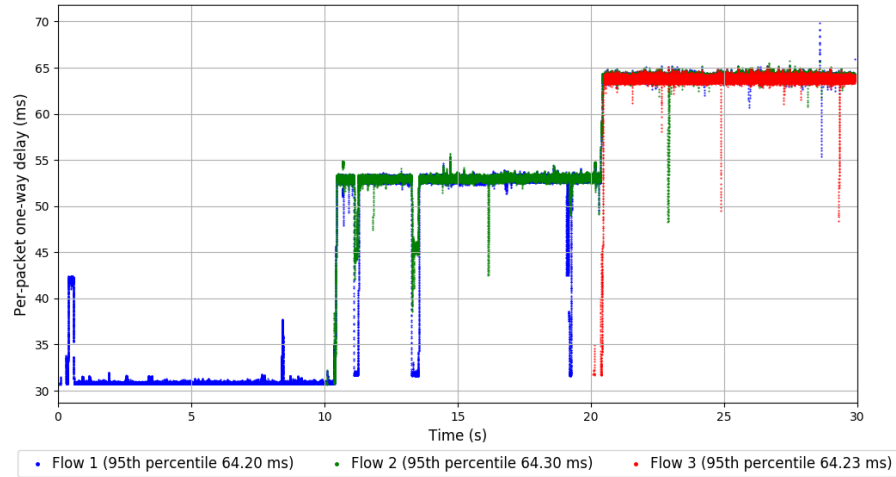
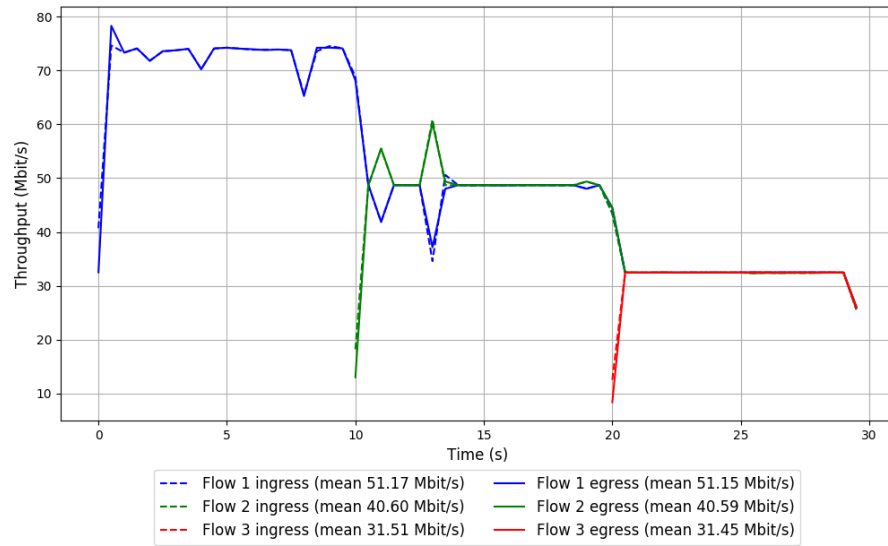


Run 5: Statistics of QUIC Cubic

Start at: 2017-12-11 21:09:59
End at: 2017-12-11 21:10:29
Local clock offset: 4.461 ms
Remote clock offset: -12.309 ms

Below is generated by plot.py at 2017-12-12 01:41:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.49 Mbit/s
95th percentile per-packet one-way delay: 64.241 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 64.200 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 64.295 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.45 Mbit/s
95th percentile per-packet one-way delay: 64.227 ms
Loss rate: 0.60%

Run 5: Report of QUIC Cubic — Data Link

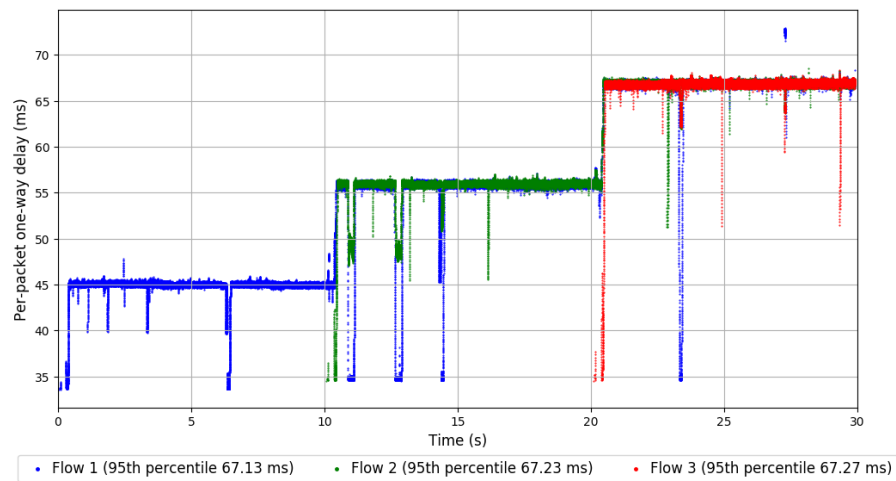
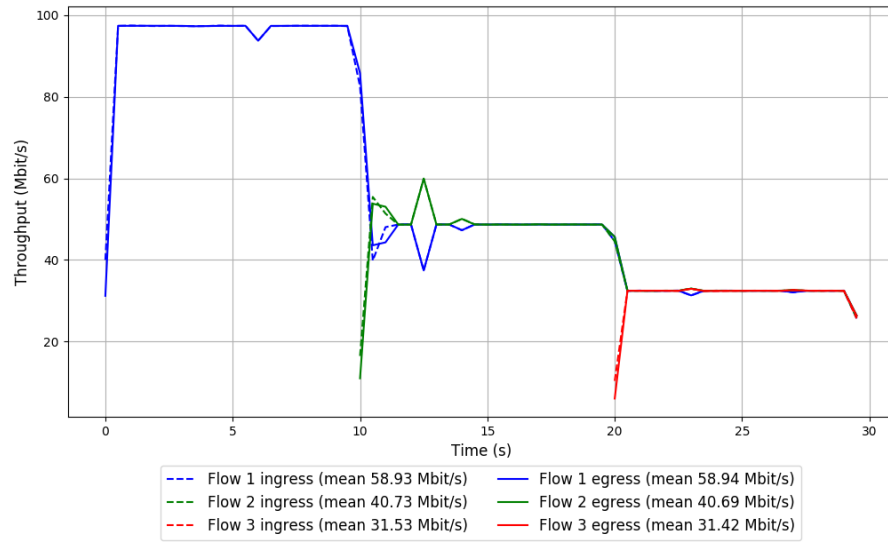


Run 6: Statistics of QUIC Cubic

Start at: 2017-12-11 21:26:43
End at: 2017-12-11 21:27:13
Local clock offset: 5.335 ms
Remote clock offset: -13.85 ms

Below is generated by plot.py at 2017-12-12 01:41:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 67.205 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 67.134 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 67.230 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 67.273 ms
Loss rate: 0.60%

Run 6: Report of QUIC Cubic — Data Link

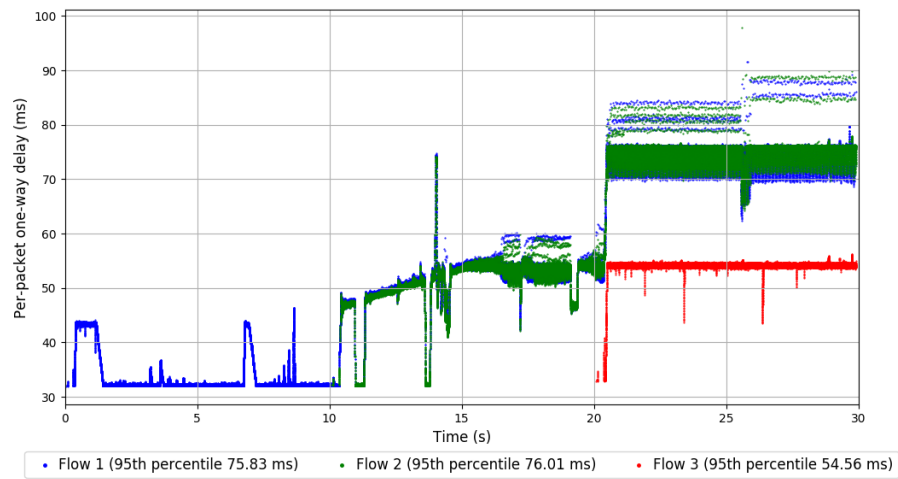
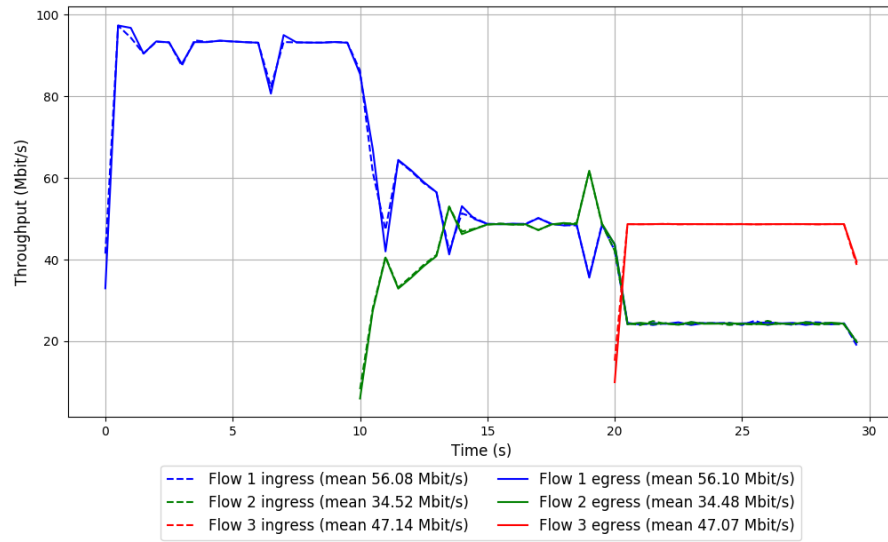


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-11 21:43:32
End at: 2017-12-11 21:44:02
Local clock offset: 6.054 ms
Remote clock offset: -11.416 ms

Below is generated by plot.py at 2017-12-12 01:41:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 75.858 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 75.831 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.48 Mbit/s
95th percentile per-packet one-way delay: 76.013 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 54.560 ms
Loss rate: 0.49%

Run 7: Report of QUIC Cubic — Data Link

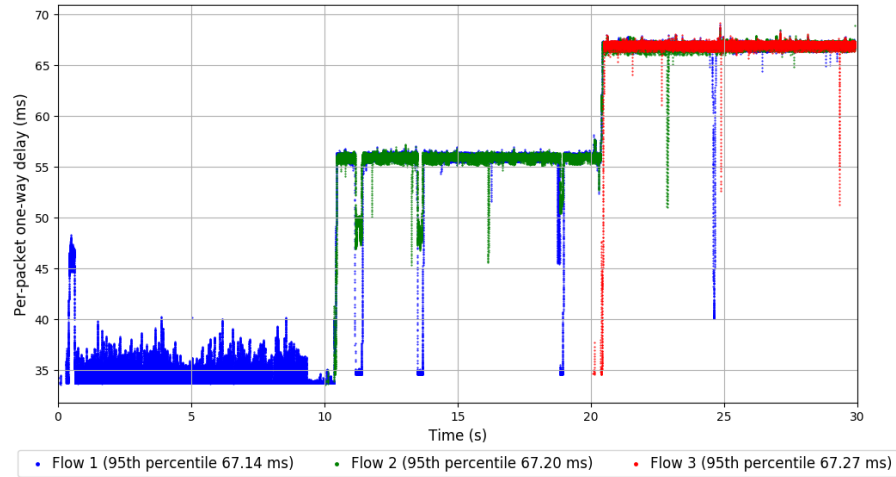
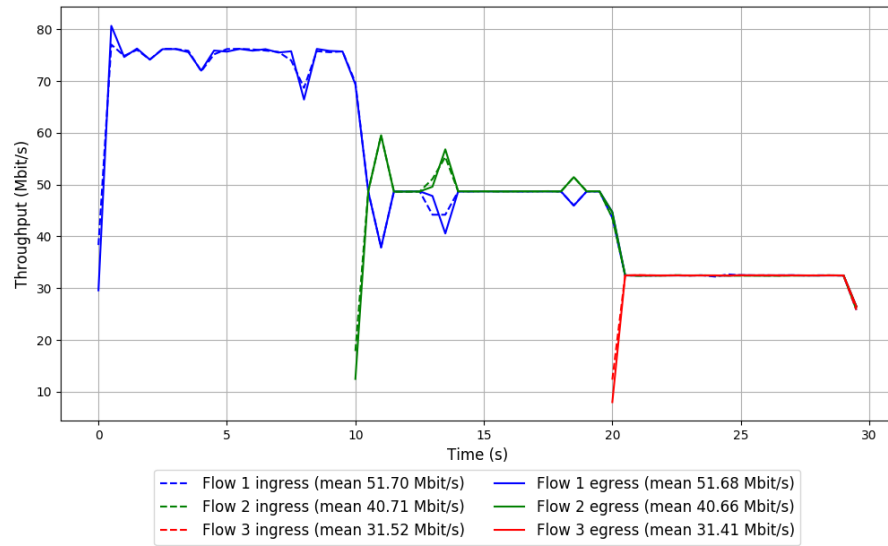


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-11 22:00:54
End at: 2017-12-11 22:01:24
Local clock offset: 6.217 ms
Remote clock offset: -12.848 ms

Below is generated by plot.py at 2017-12-12 01:41:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: 67.204 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 51.68 Mbit/s
95th percentile per-packet one-way delay: 67.145 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 67.205 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 67.270 ms
Loss rate: 0.60%

Run 8: Report of QUIC Cubic — Data Link

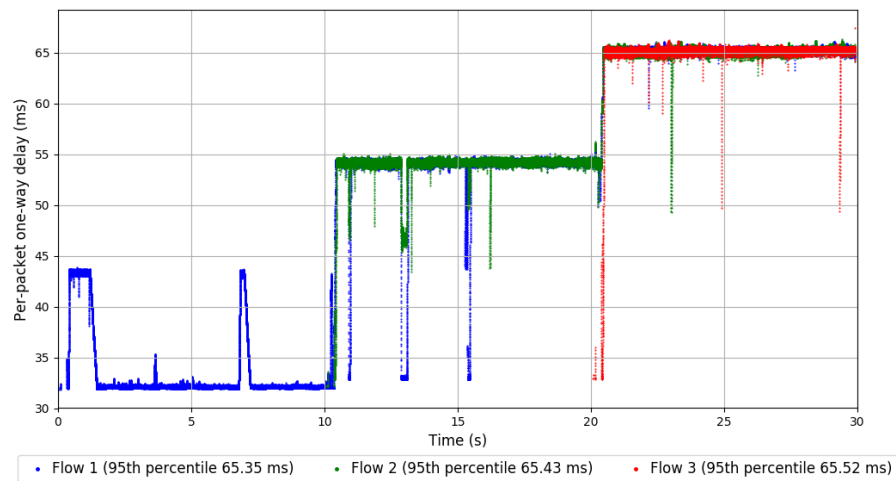
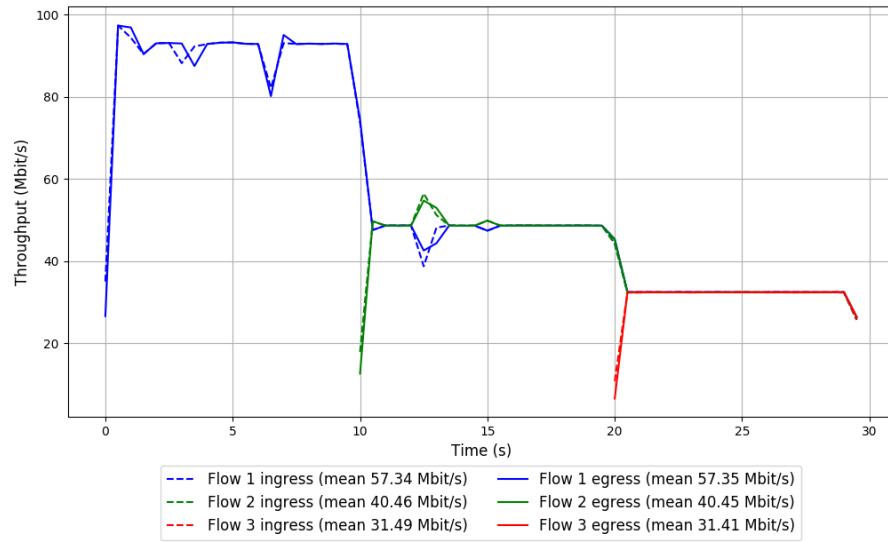


Run 9: Statistics of QUIC Cubic

Start at: 2017-12-11 22:17:33
End at: 2017-12-11 22:18:03
Local clock offset: 6.163 ms
Remote clock offset: -12.655 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 65.429 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 65.352 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 65.427 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 65.521 ms
Loss rate: 0.58%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-11 22:34:18

End at: 2017-12-11 22:34:48

Local clock offset: 2.856 ms

Remote clock offset: -13.155 ms

Below is generated by plot.py at 2017-12-12 01:42:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.02 Mbit/s

95th percentile per-packet one-way delay: 73.471 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 48.77 Mbit/s

95th percentile per-packet one-way delay: 73.446 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 37.23 Mbit/s

95th percentile per-packet one-way delay: 73.584 ms

Loss rate: 0.23%

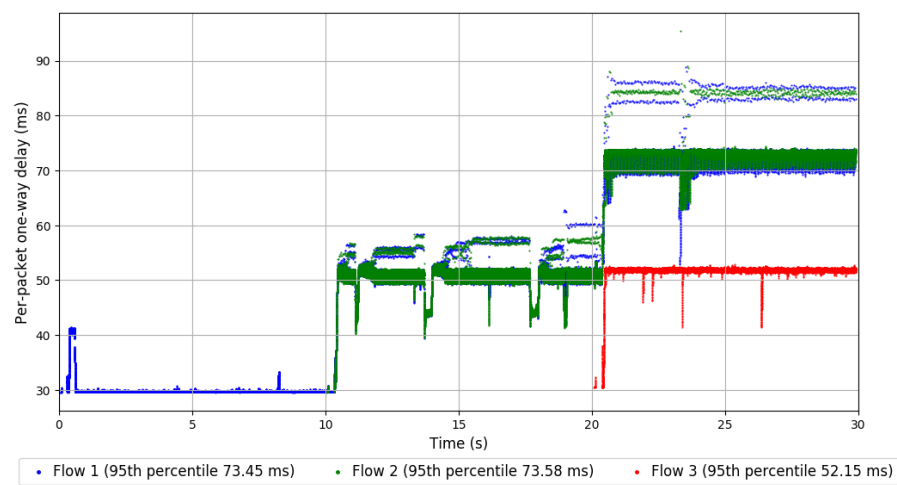
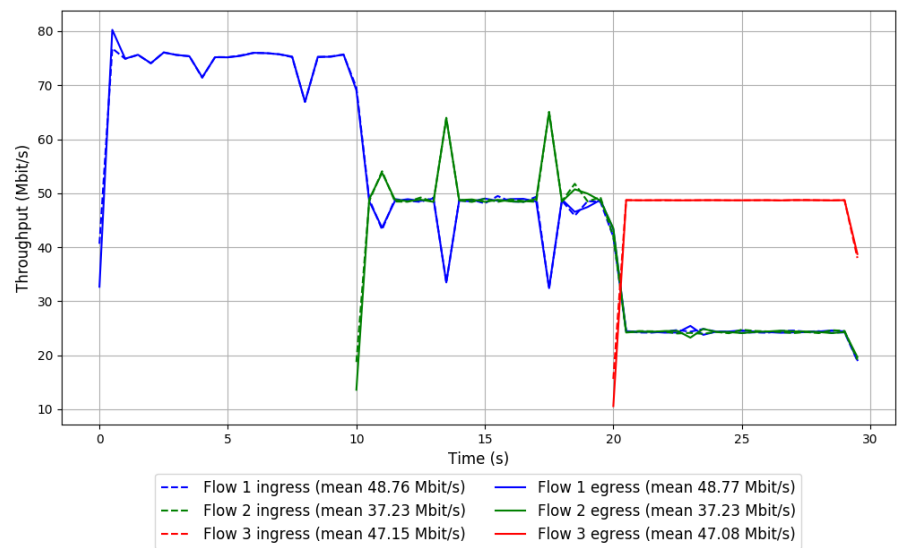
-- Flow 3:

Average throughput: 47.08 Mbit/s

95th percentile per-packet one-way delay: 52.148 ms

Loss rate: 0.47%

Run 10: Report of QUIC Cubic — Data Link

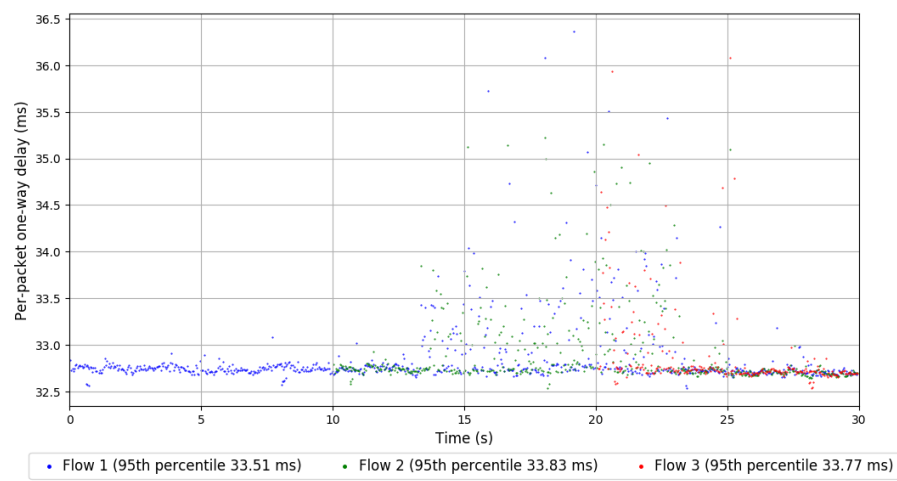
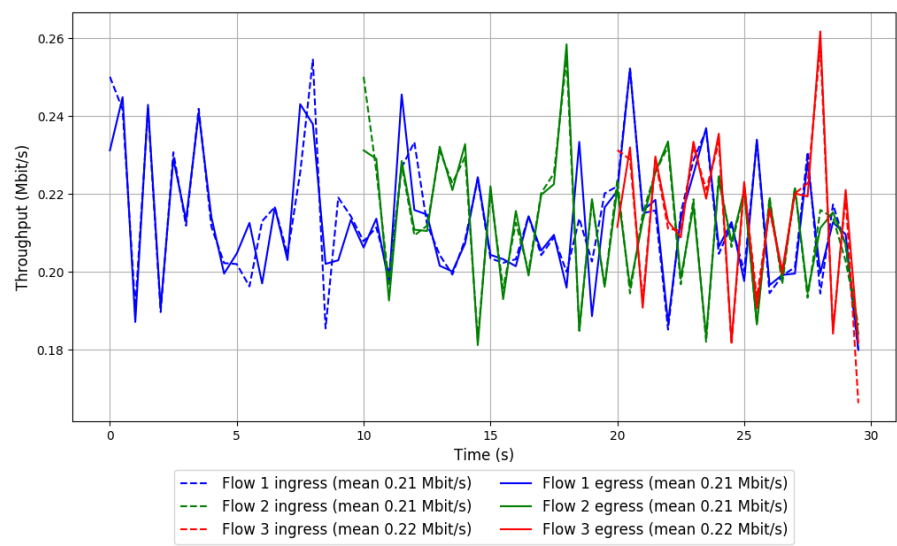


```
Run 1: Statistics of SReAM

Start at: 2017-12-11 20:00:36
End at: 2017-12-11 20:01:06
Local clock offset: 3.18 ms
Remote clock offset: -14.37 ms

# Below is generated by plot.py at 2017-12-12 01:42:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.677 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.514 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.830 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.775 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

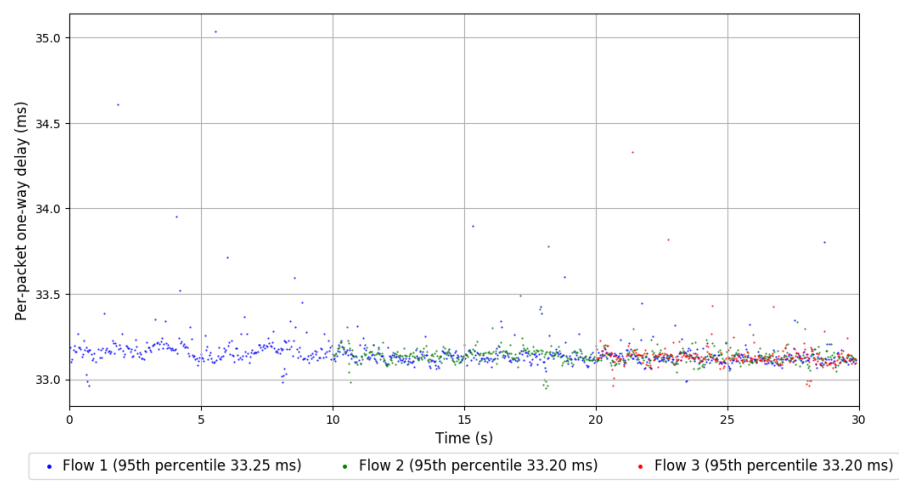
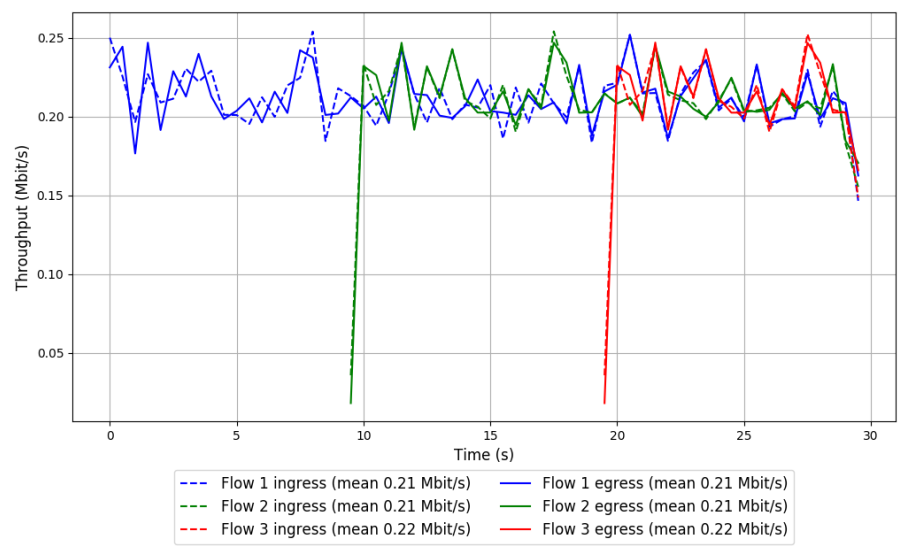


Run 2: Statistics of SReAM

Start at: 2017-12-11 20:18:20
End at: 2017-12-11 20:18:50
Local clock offset: 3.854 ms
Remote clock offset: -13.643 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.251 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.204 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

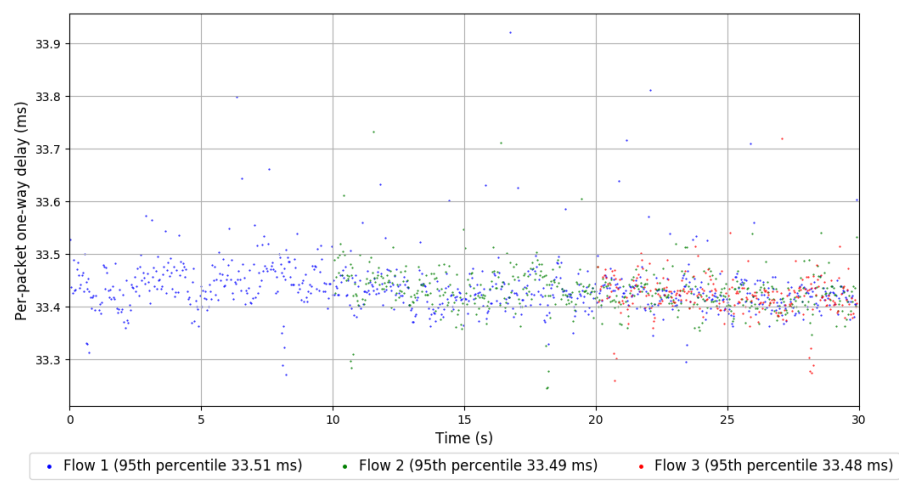
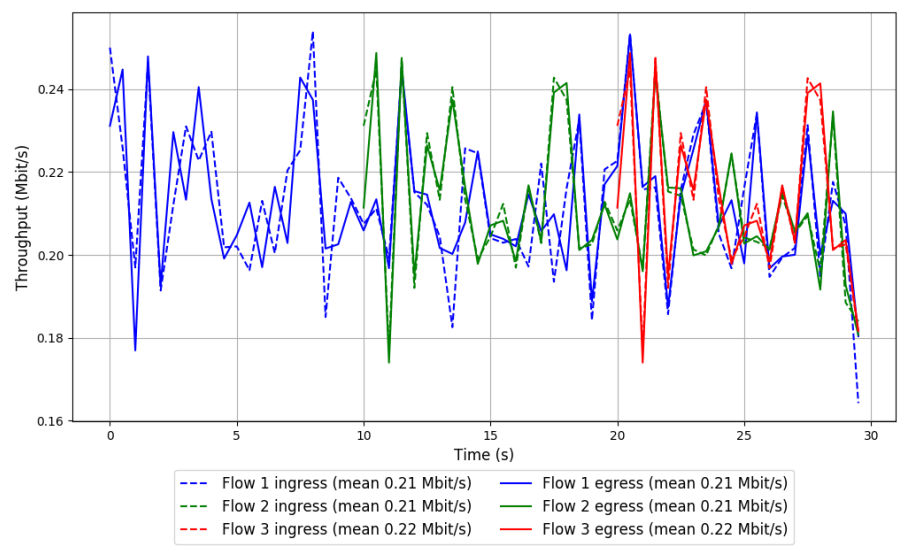


Run 3: Statistics of SReAM

Start at: 2017-12-11 20:35:15
End at: 2017-12-11 20:35:45
Local clock offset: 5.075 ms
Remote clock offset: -13.074 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.494 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.508 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.488 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.476 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

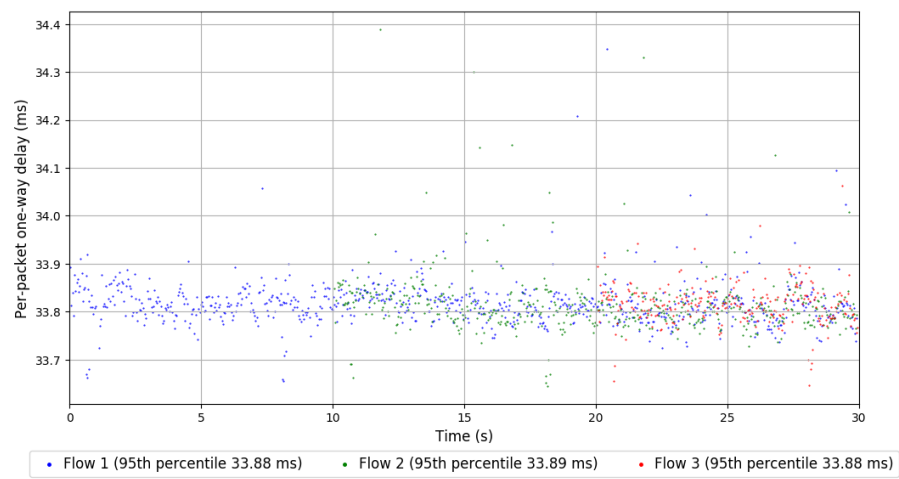
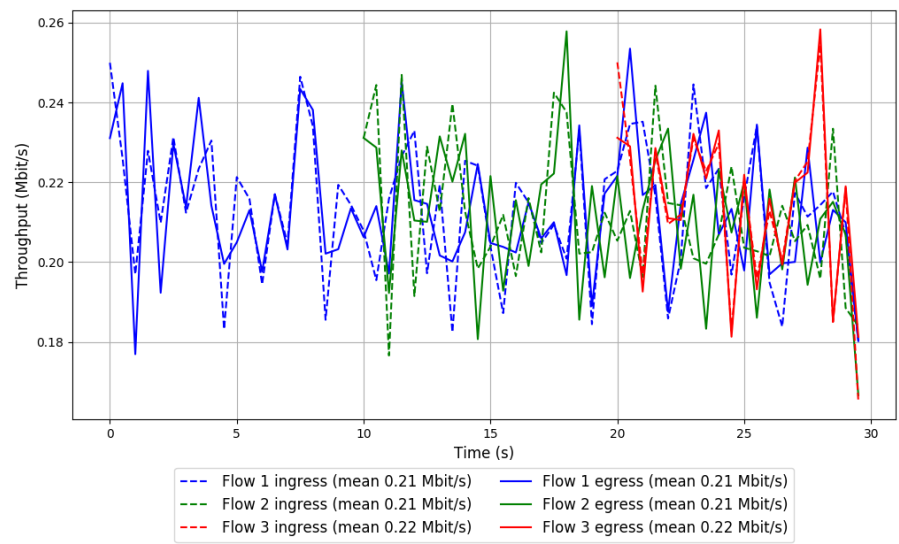


Run 4: Statistics of SCReAM

Start at: 2017-12-11 20:52:02
End at: 2017-12-11 20:52:32
Local clock offset: 5.503 ms
Remote clock offset: -13.649 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.882 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.881 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.891 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.880 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

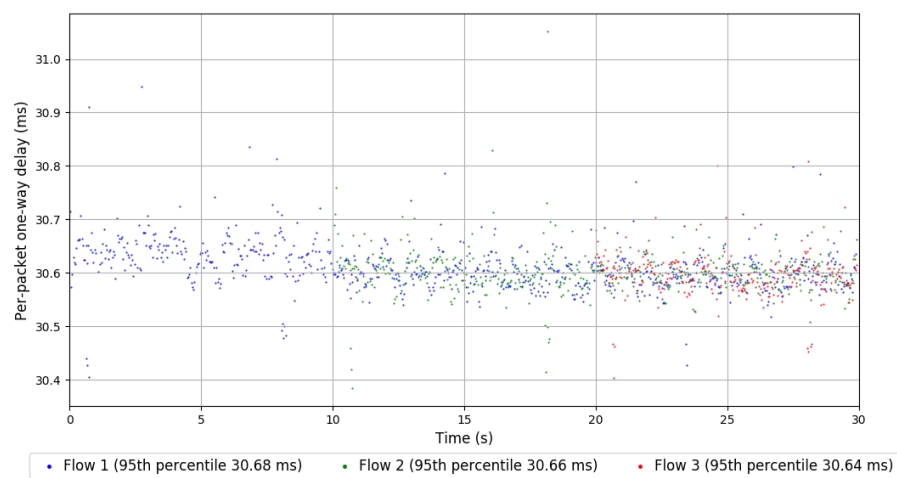
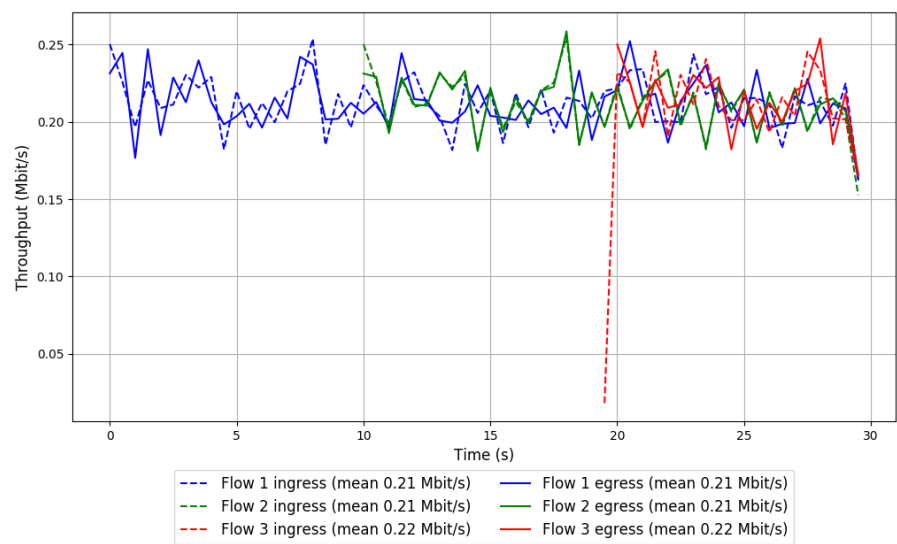


Run 5: Statistics of SReAM

Start at: 2017-12-11 21:08:54
End at: 2017-12-11 21:09:24
Local clock offset: 4.523 ms
Remote clock offset: -12.105 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 30.673 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.677 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 30.665 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.643 ms
Loss rate: 0.00%

Run 5: Report of SCRaM — Data Link

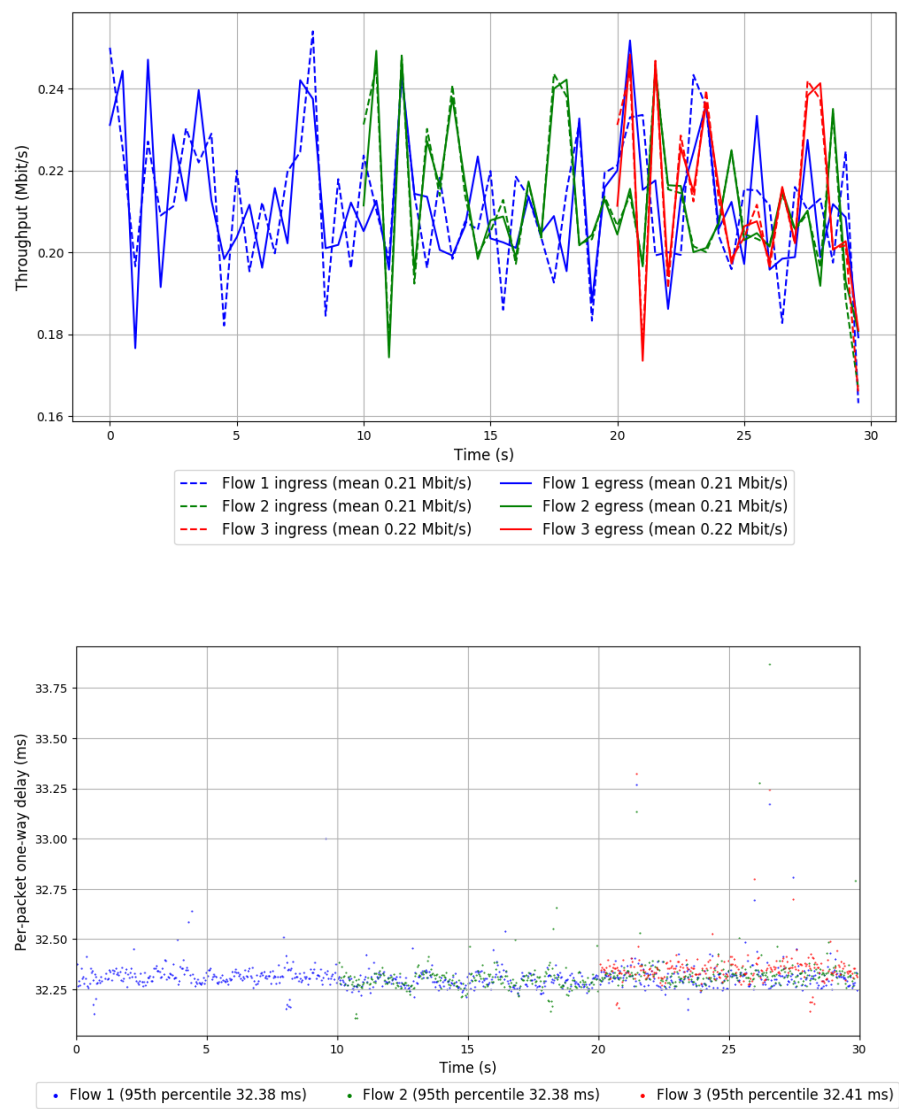


Run 6: Statistics of SReAM

Start at: 2017-12-11 21:25:38
End at: 2017-12-11 21:26:08
Local clock offset: 5.846 ms
Remote clock offset: -11.899 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.383 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.415 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

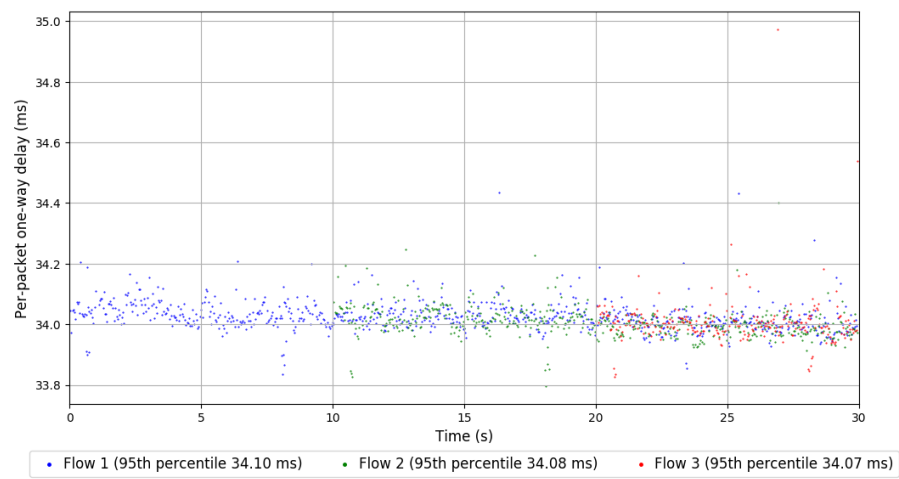
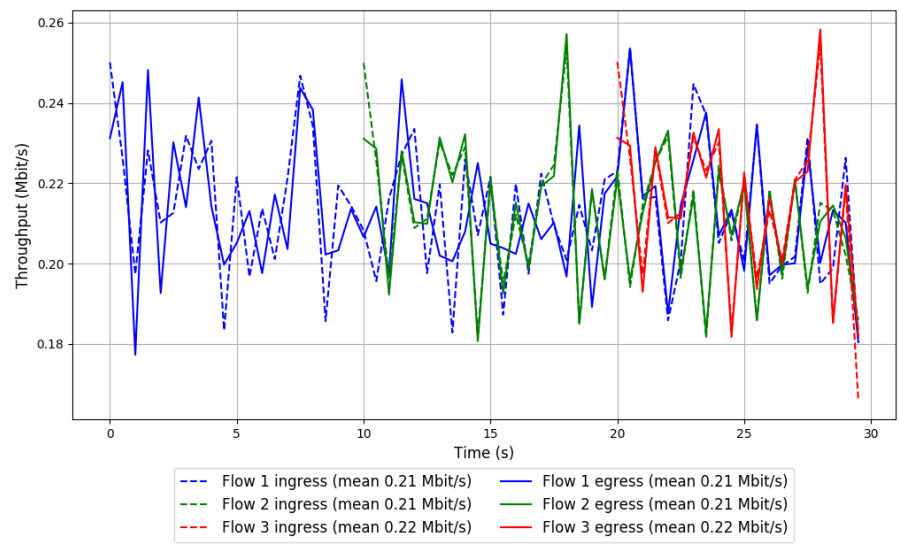


Run 7: Statistics of SReAM

Start at: 2017-12-11 21:42:27
End at: 2017-12-11 21:42:57
Local clock offset: 6.099 ms
Remote clock offset: -13.349 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.091 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.104 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.075 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.069 ms
Loss rate: 0.00%

Run 7: Report of SCRaM — Data Link

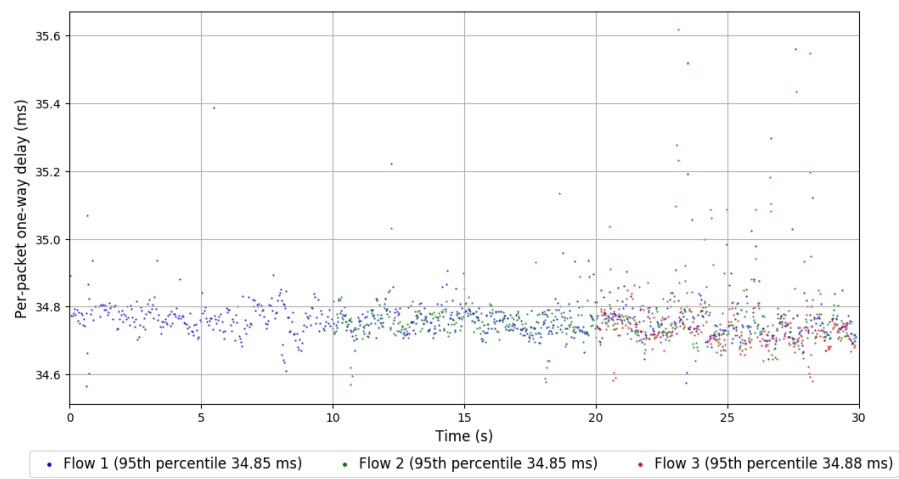
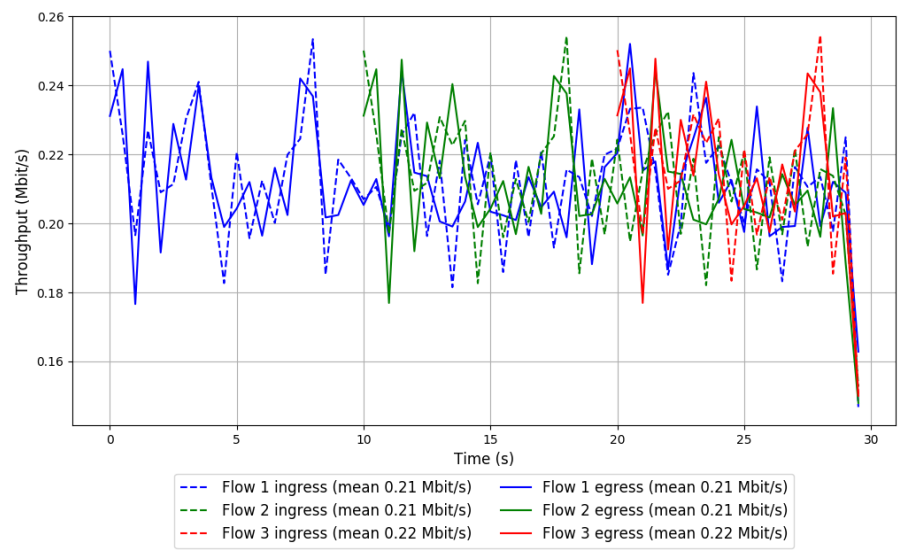


Run 8: Statistics of SReAM

Start at: 2017-12-11 21:59:49
End at: 2017-12-11 22:00:19
Local clock offset: 5.579 ms
Remote clock offset: -14.425 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.855 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.848 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.876 ms
Loss rate: 0.39%

Run 8: Report of SReAM — Data Link

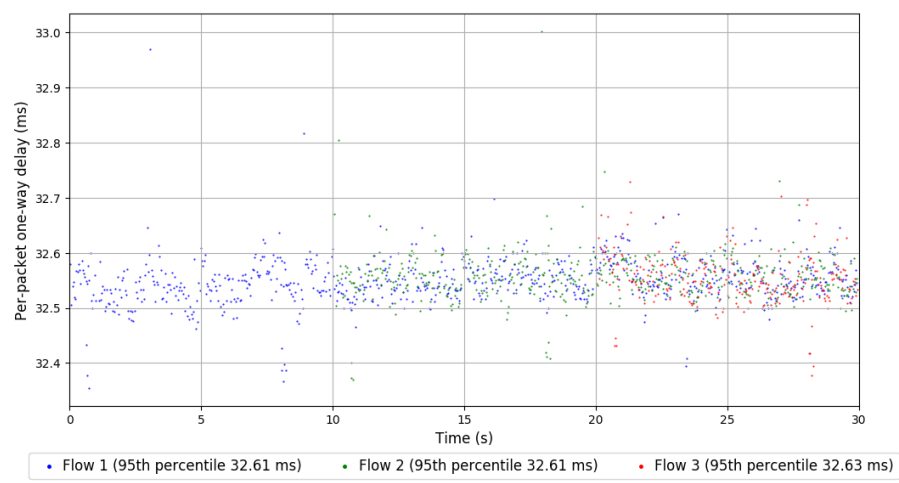
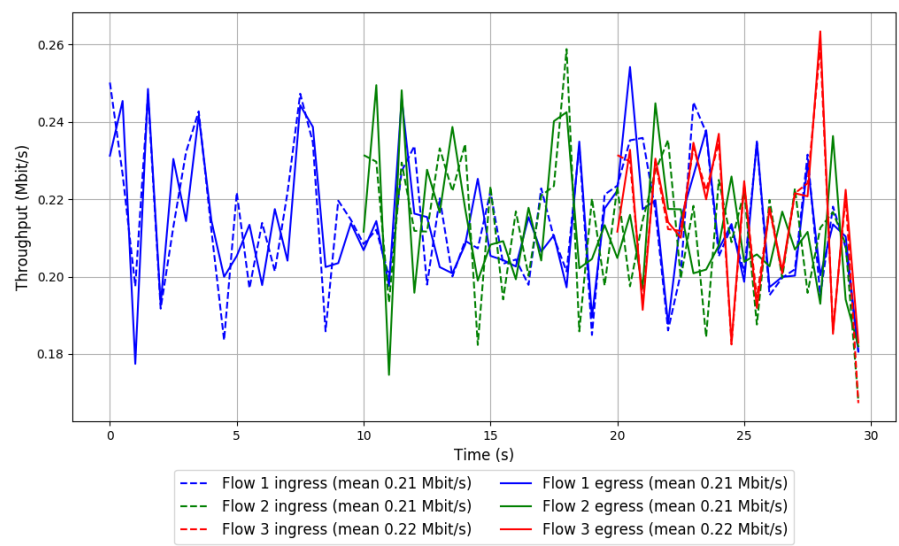


Run 9: Statistics of SReAM

Start at: 2017-12-11 22:16:28
End at: 2017-12-11 22:16:58
Local clock offset: 5.536 ms
Remote clock offset: -13.905 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.610 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.609 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.606 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.631 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

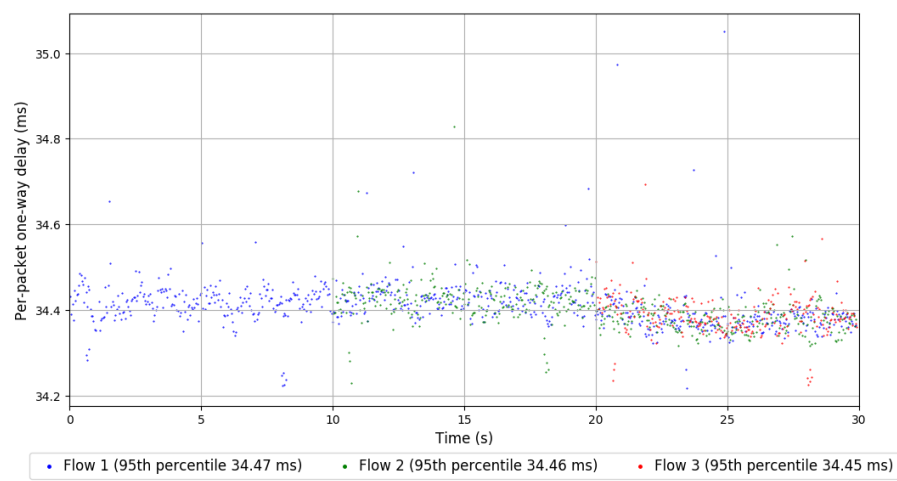
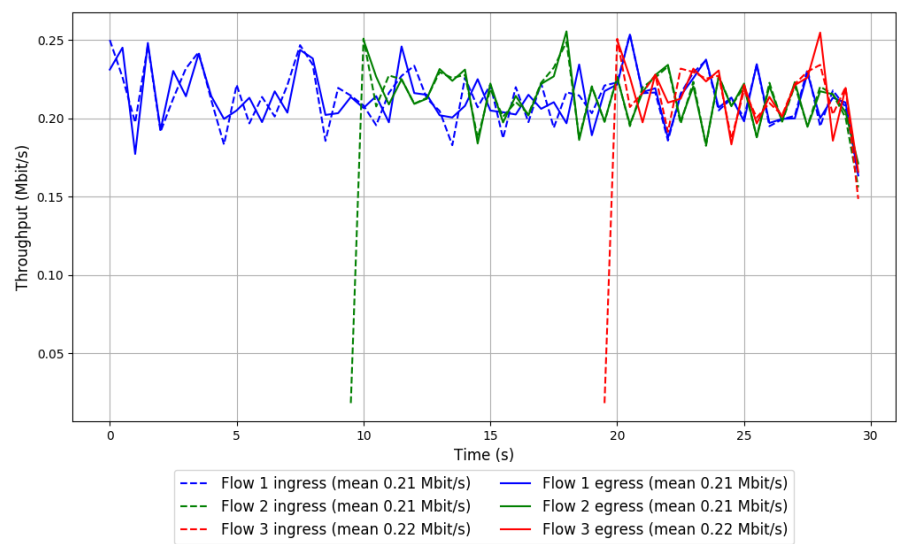


Run 10: Statistics of SReAM

Start at: 2017-12-11 22:33:13
End at: 2017-12-11 22:33:43
Local clock offset: 4.161 ms
Remote clock offset: -16.582 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.466 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.472 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.464 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.449 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

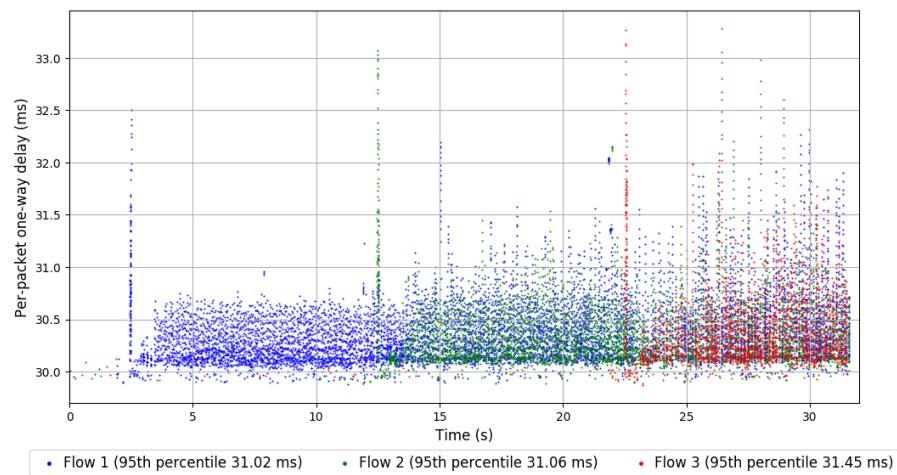
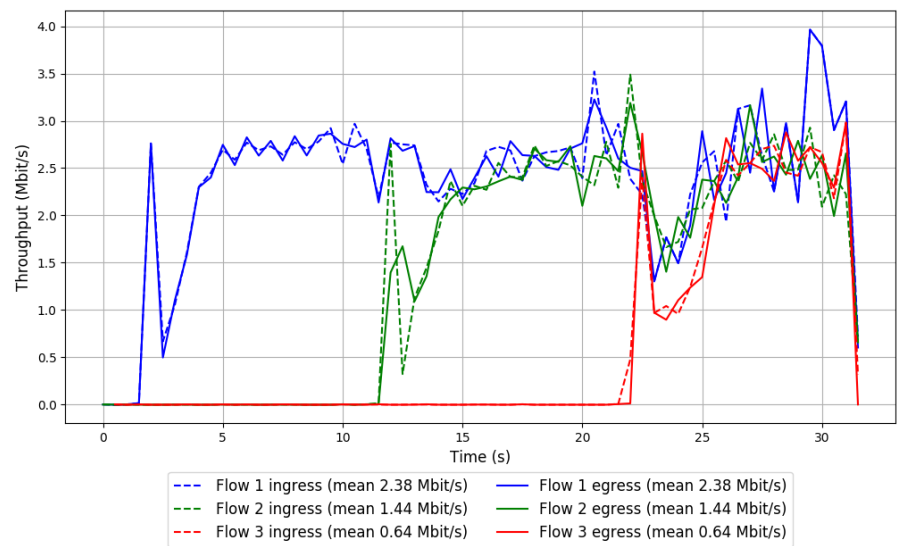


Run 1: Statistics of WebRTC media

Start at: 2017-12-11 20:05:28
End at: 2017-12-11 20:05:58
Local clock offset: -2.486 ms
Remote clock offset: -17.467 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 31.097 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 31.025 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 31.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 31.448 ms
Loss rate: 0.79%

Run 1: Report of WebRTC media — Data Link

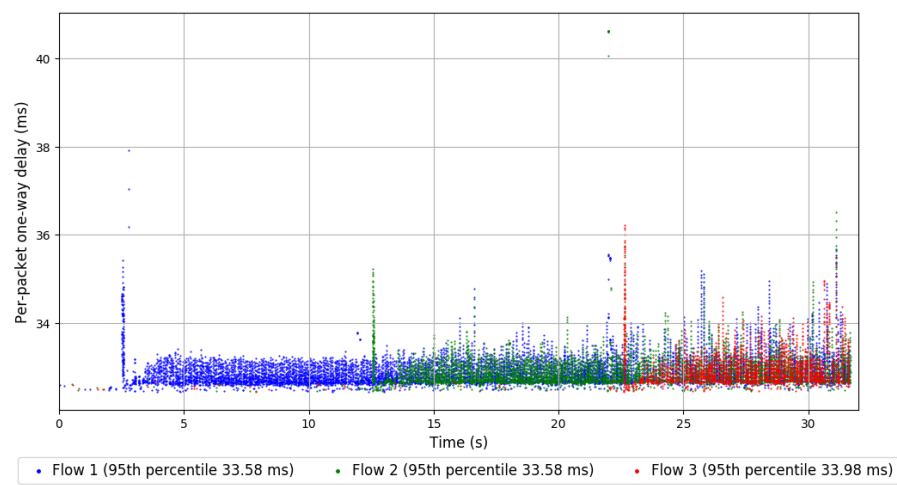
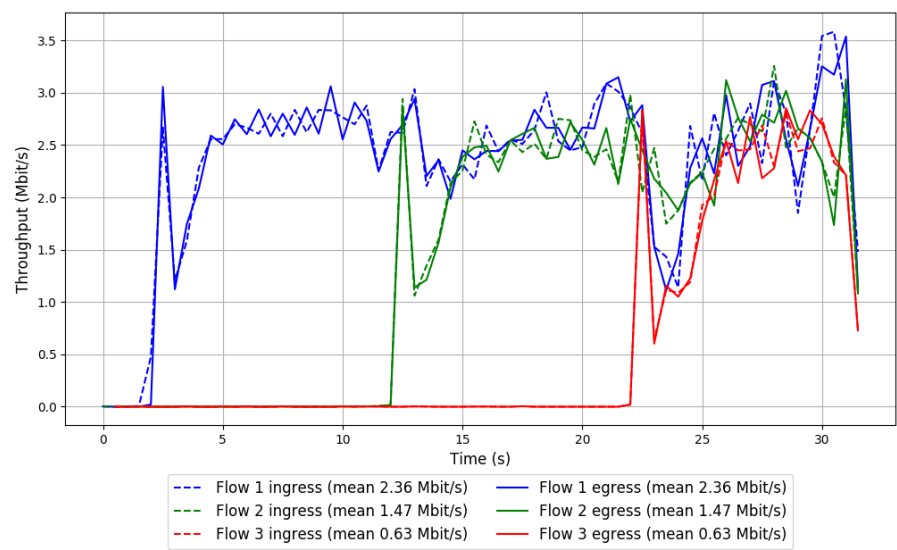


Run 2: Statistics of WebRTC media

Start at: 2017-12-11 20:23:12
End at: 2017-12-11 20:23:42
Local clock offset: 4.45 ms
Remote clock offset: -12.638 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 33.643 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 33.581 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 33.580 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 33.984 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

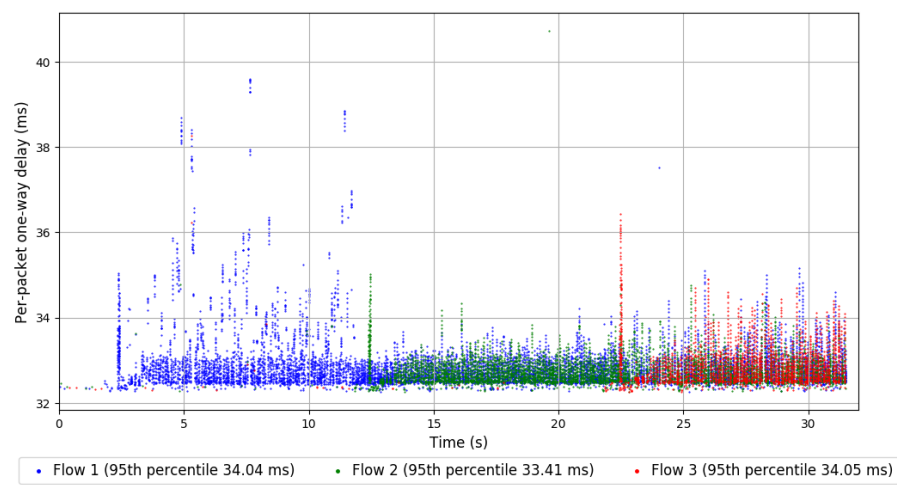
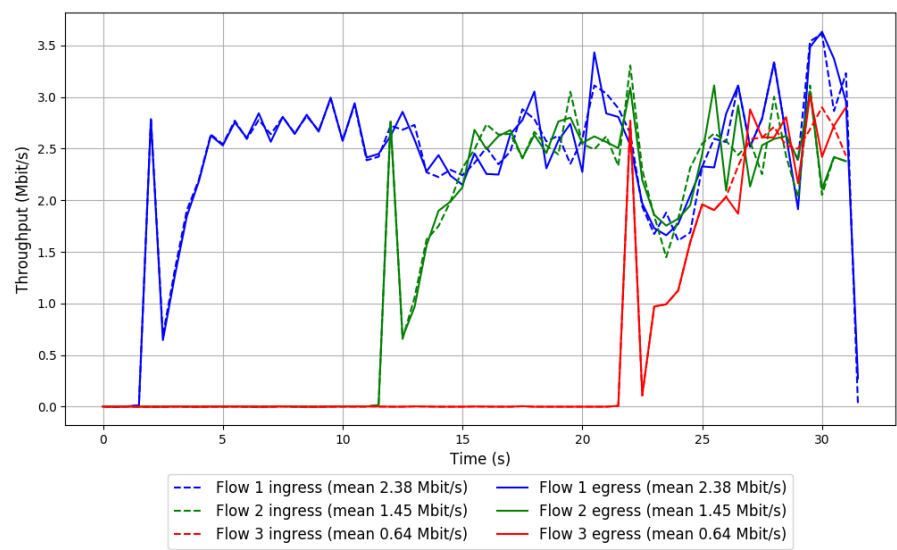


Run 3: Statistics of WebRTC media

Start at: 2017-12-11 20:40:05
End at: 2017-12-11 20:40:35
Local clock offset: 5.011 ms
Remote clock offset: -12.235 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 33.828 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 34.043 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 33.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 34.054 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

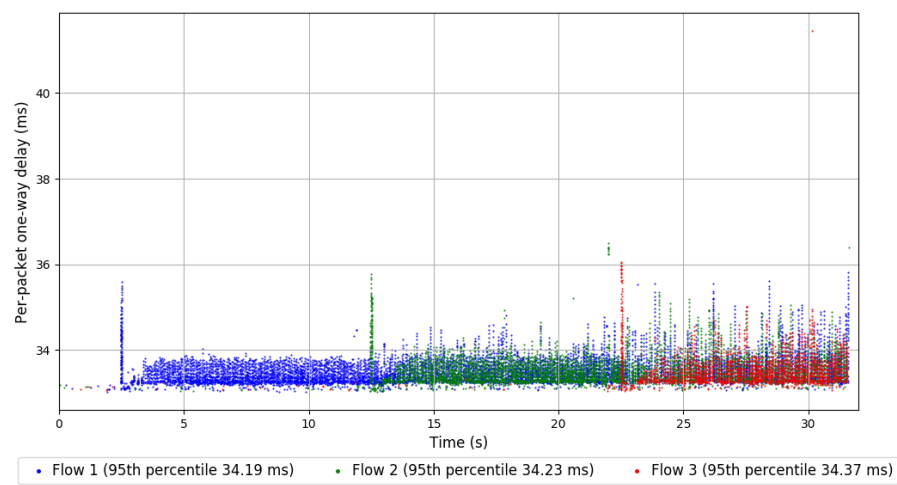
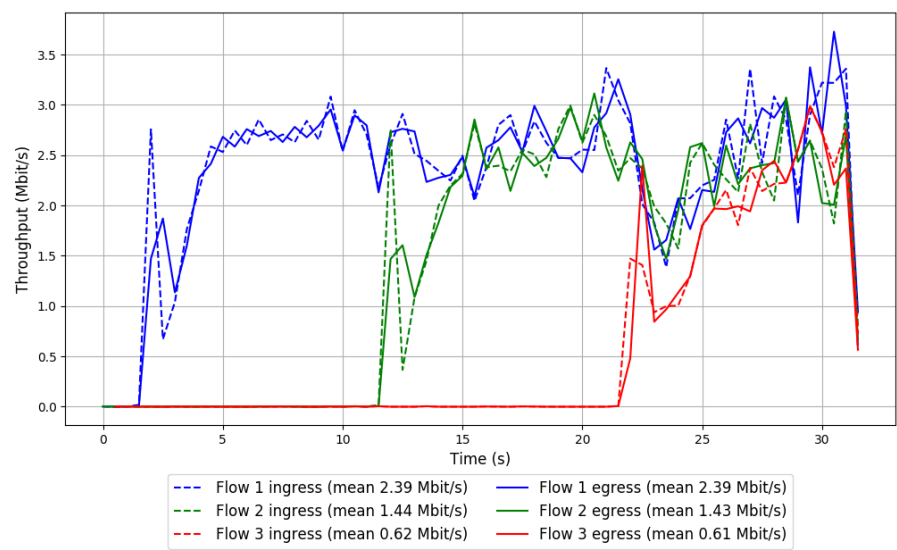


Run 4: Statistics of WebRTC media

Start at: 2017-12-11 20:56:43
End at: 2017-12-11 20:57:13
Local clock offset: 5.264 ms
Remote clock offset: -13.356 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 34.233 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 34.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 34.233 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 34.368 ms
Loss rate: 1.91%

Run 4: Report of WebRTC media — Data Link

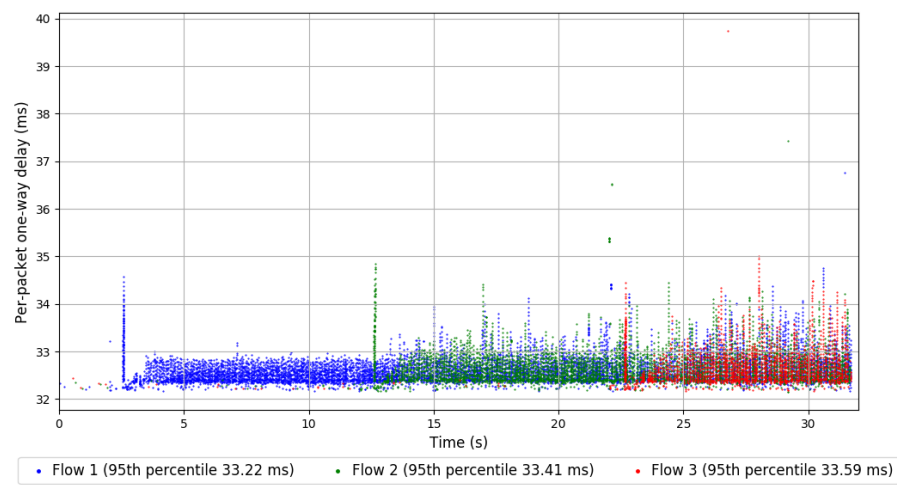
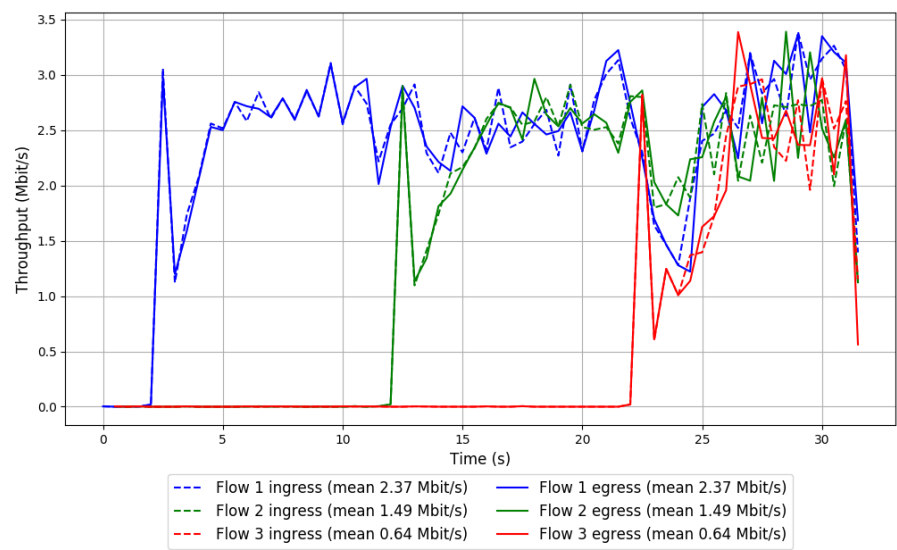


Run 5: Statistics of WebRTC media

Start at: 2017-12-11 21:13:39
End at: 2017-12-11 21:14:09
Local clock offset: 5.733 ms
Remote clock offset: -12.627 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 33.349 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 33.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 33.412 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 33.595 ms
Loss rate: 1.47%

Run 5: Report of WebRTC media — Data Link

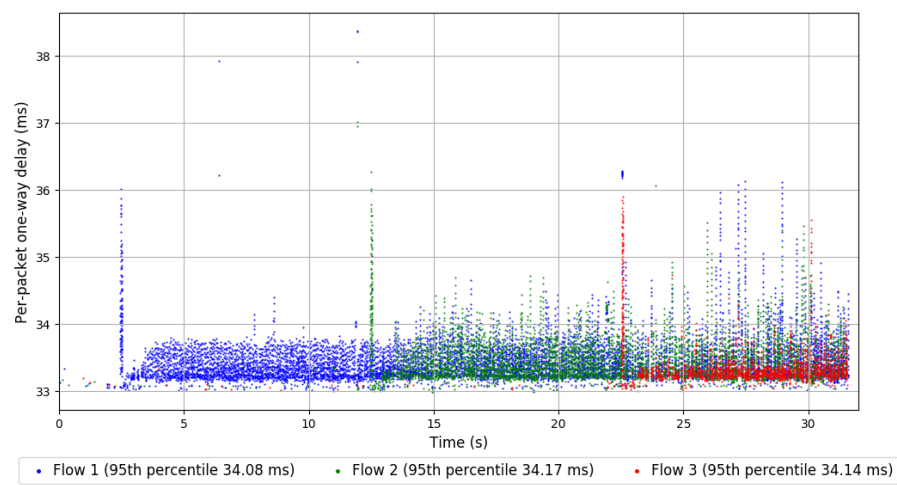
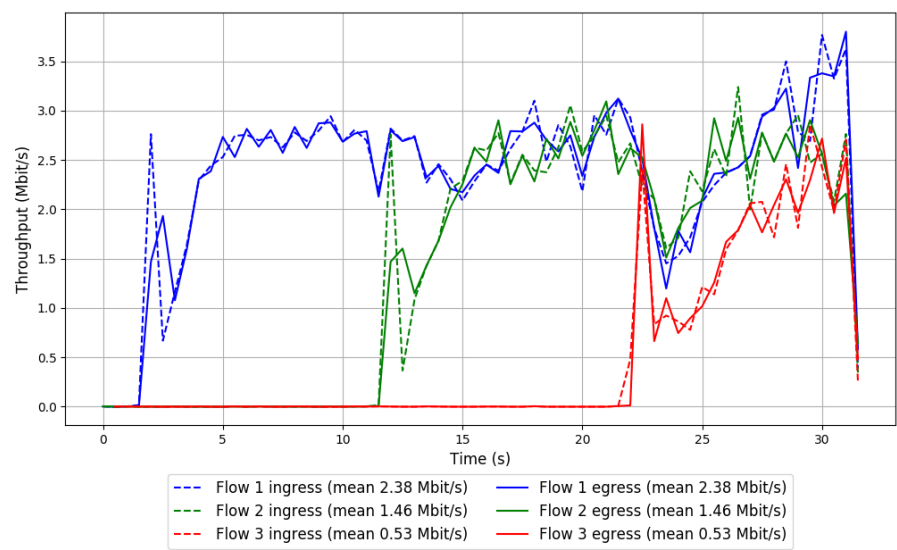


Run 6: Statistics of WebRTC media

Start at: 2017-12-11 21:30:21
End at: 2017-12-11 21:30:51
Local clock offset: 6.141 ms
Remote clock offset: -12.66 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 34.116 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 34.079 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 34.167 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 34.140 ms
Loss rate: 0.78%

Run 6: Report of WebRTC media — Data Link

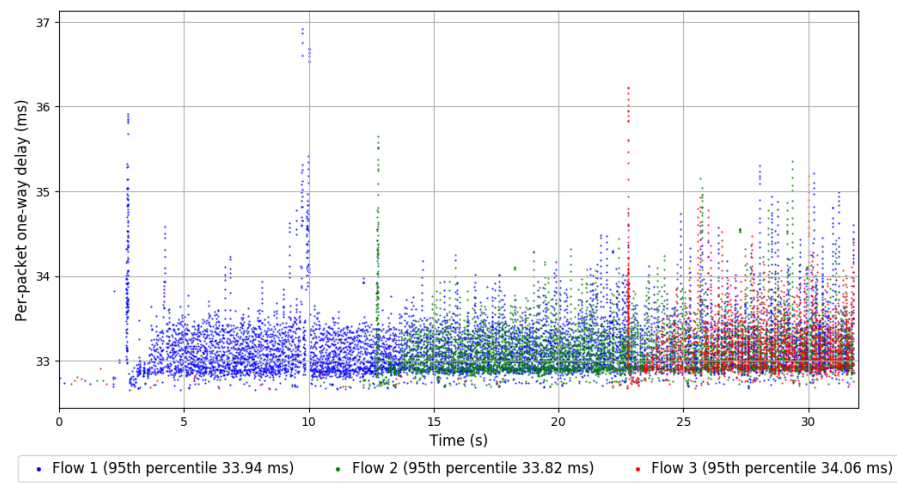
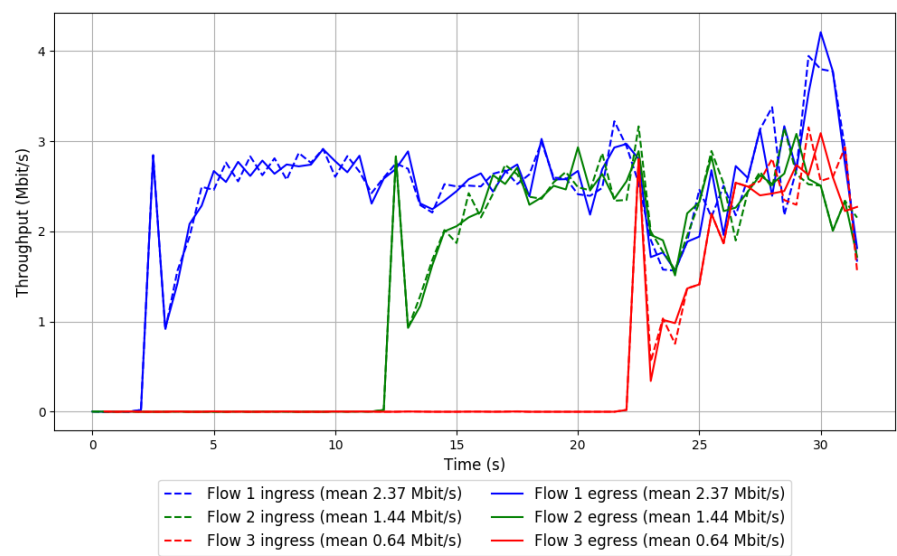


Run 7: Statistics of WebRTC media

Start at: 2017-12-11 21:47:13
End at: 2017-12-11 21:47:43
Local clock offset: 6.204 ms
Remote clock offset: -12.012 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 33.930 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 33.939 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 33.818 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 34.065 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

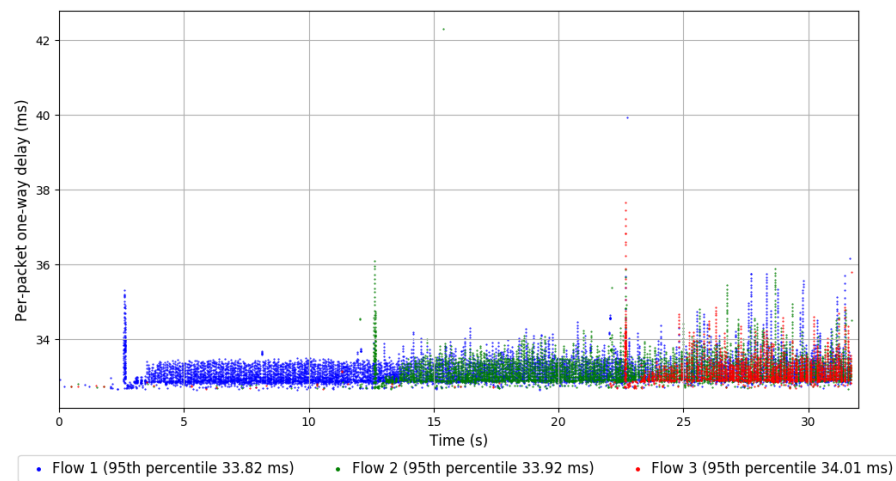
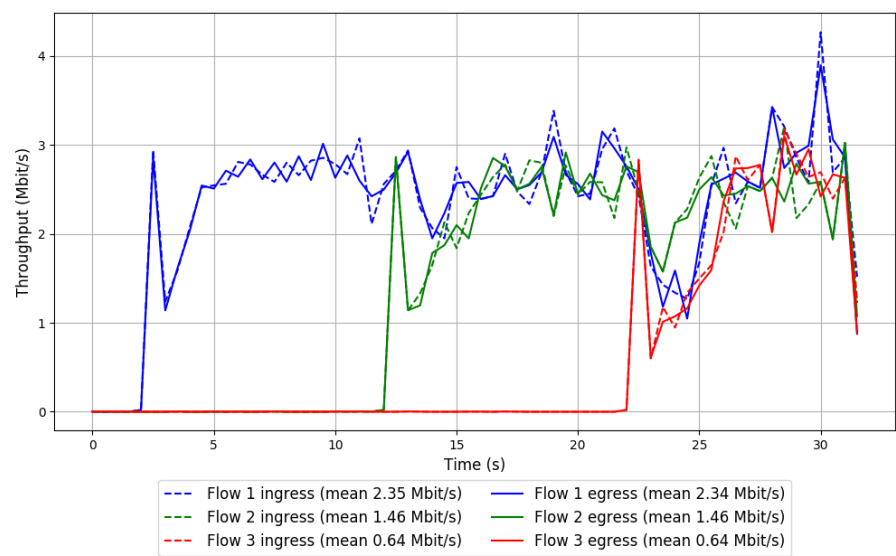


Run 8: Statistics of WebRTC media

Start at: 2017-12-11 22:04:33
End at: 2017-12-11 22:05:03
Local clock offset: 4.846 ms
Remote clock offset: -13.372 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 33.887 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 33.822 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 33.920 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 34.013 ms
Loss rate: 0.83%

Run 8: Report of WebRTC media — Data Link

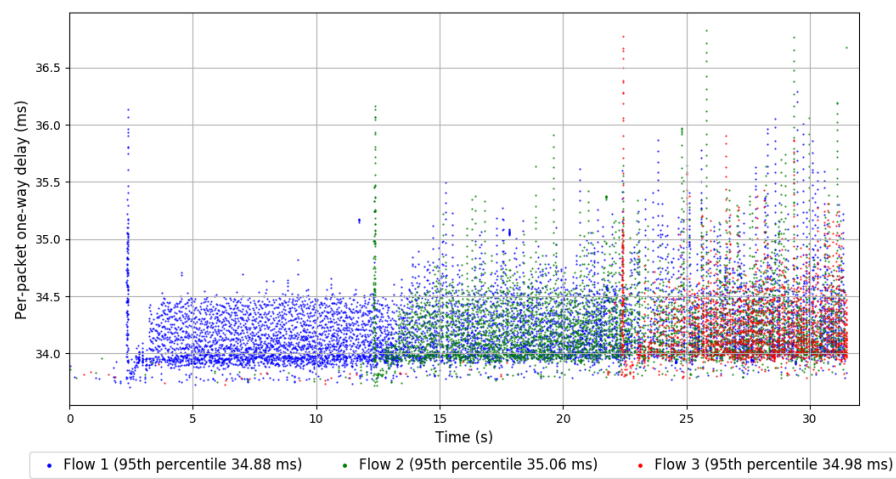
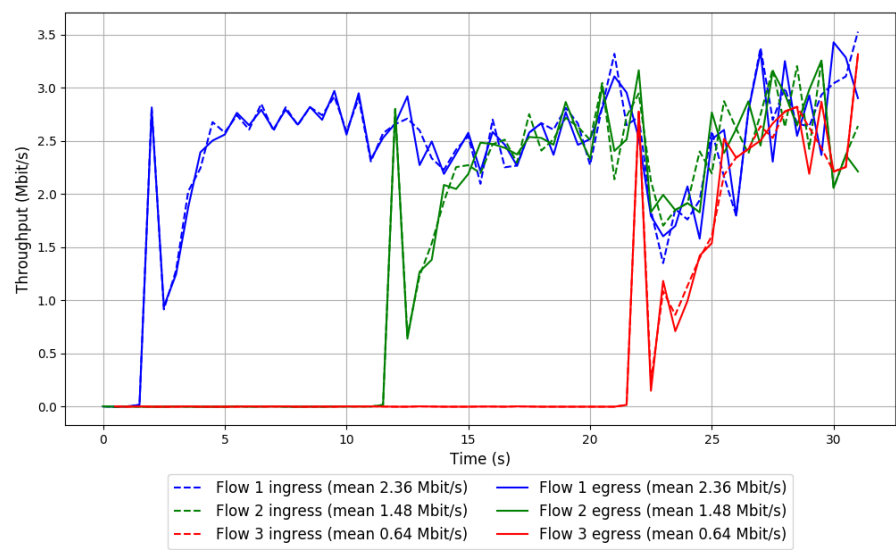


Run 9: Statistics of WebRTC media

Start at: 2017-12-11 22:21:12
End at: 2017-12-11 22:21:42
Local clock offset: 7.102 ms
Remote clock offset: -13.388 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 34.957 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 34.875 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 35.058 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 34.978 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

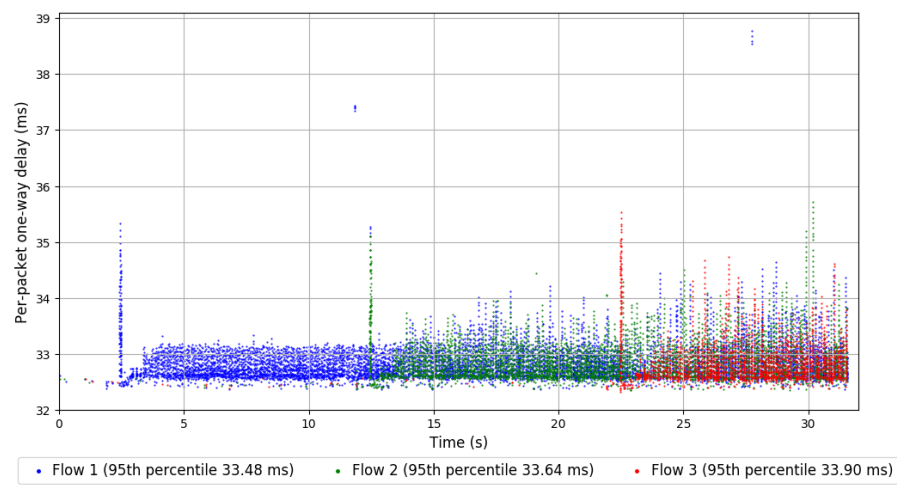
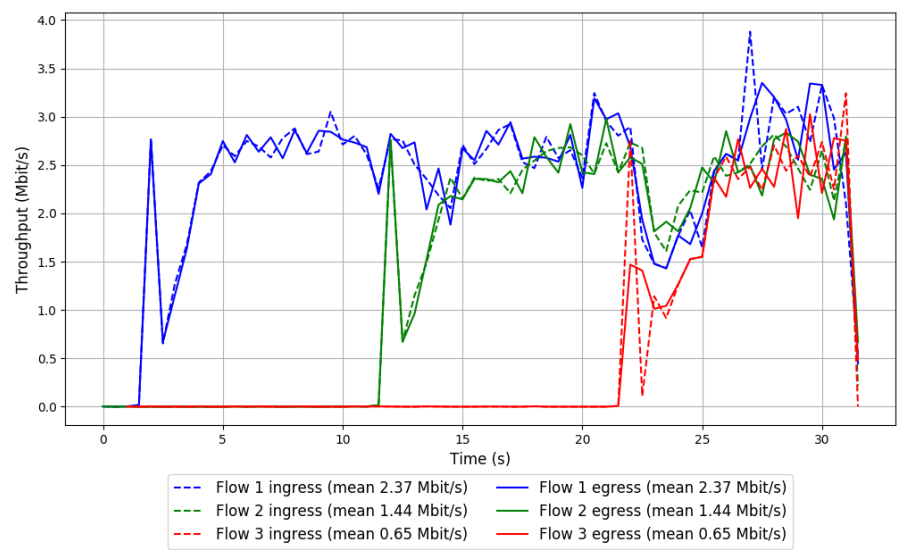


Run 10: Statistics of WebRTC media

Start at: 2017-12-11 22:37:53
End at: 2017-12-11 22:38:23
Local clock offset: 5.477 ms
Remote clock offset: -13.806 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.44 Mbit/s
95th percentile per-packet one-way delay: 33.596 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 33.479 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 33.642 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 33.899 ms
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

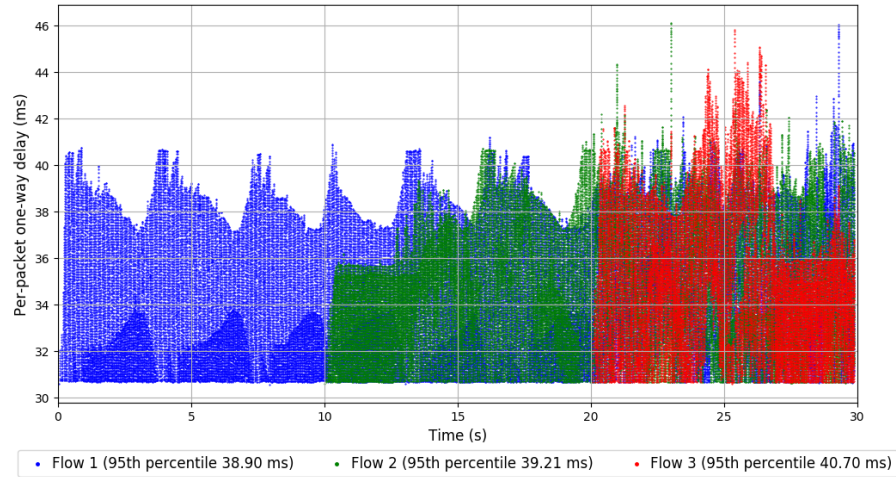
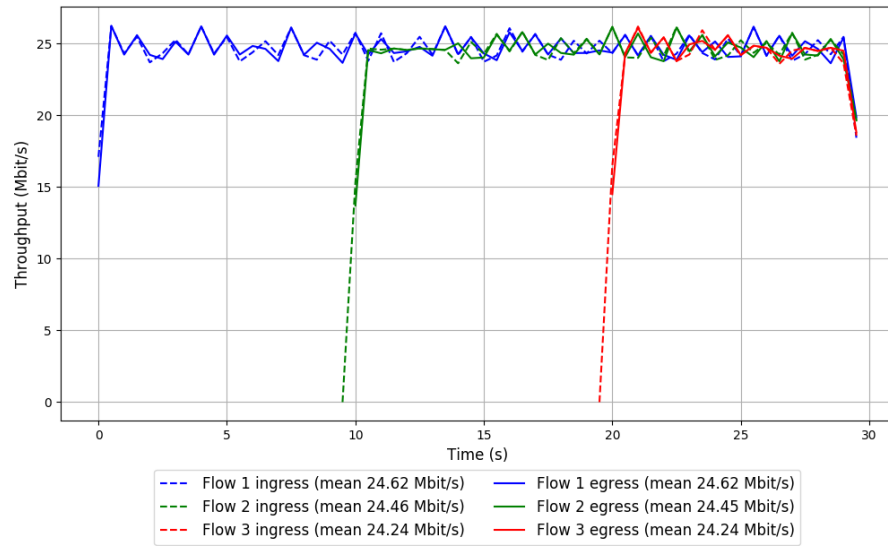


Run 1: Statistics of Sprout

Start at: 2017-12-11 19:56:42
End at: 2017-12-11 19:57:12
Local clock offset: 1.966 ms
Remote clock offset: -13.225 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 39.283 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 38.899 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 39.209 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 40.696 ms
Loss rate: 0.18%

Run 1: Report of Sprout — Data Link

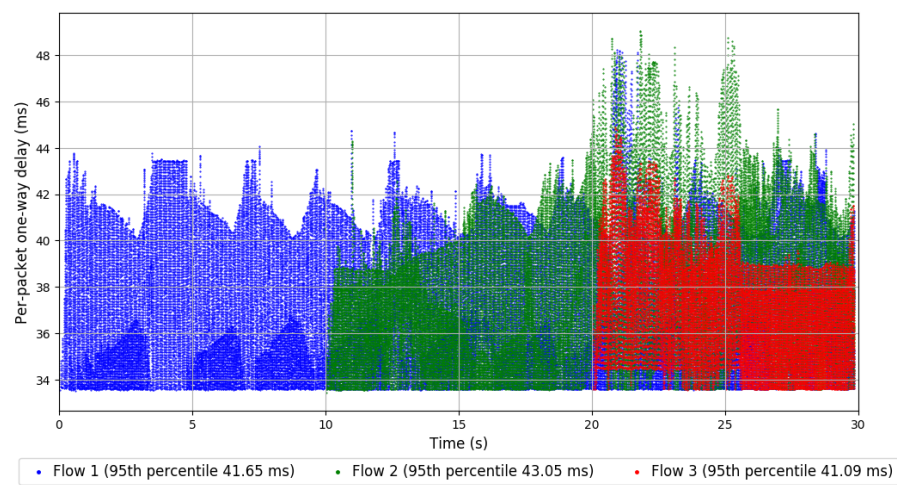
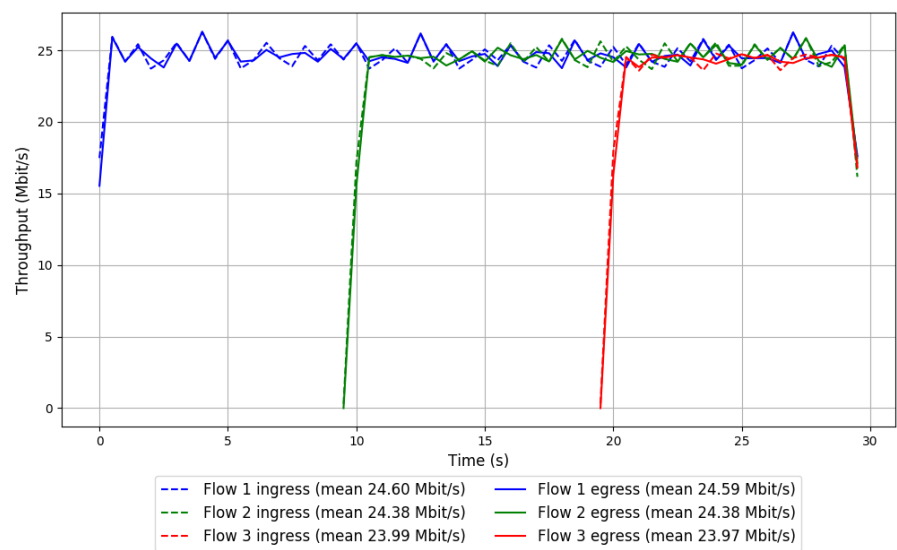


Run 2: Statistics of Sprout

Start at: 2017-12-11 20:14:19
End at: 2017-12-11 20:14:49
Local clock offset: 4.407 ms
Remote clock offset: -13.678 ms

```
# Below is generated by plot.py at 2017-12-12 01:42:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 42.034 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 41.648 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 43.045 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 41.085 ms
Loss rate: 0.41%
```

Run 2: Report of Sprout — Data Link

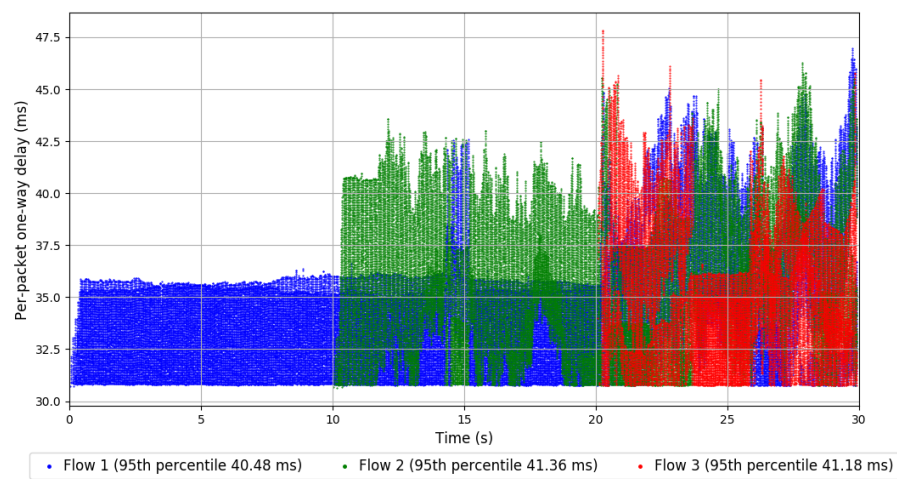
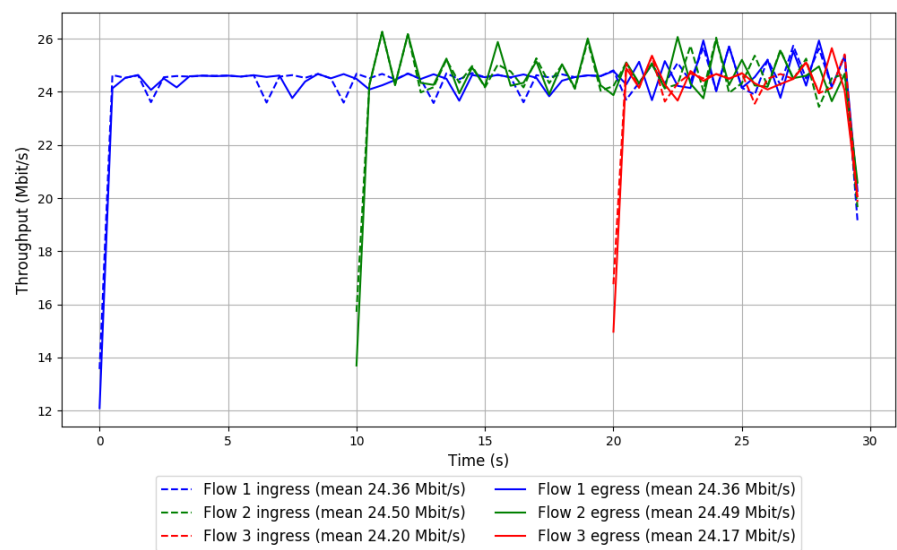


Run 3: Statistics of Sprout

Start at: 2017-12-11 20:31:35
End at: 2017-12-11 20:32:05
Local clock offset: 2.472 ms
Remote clock offset: -12.748 ms

Below is generated by plot.py at 2017-12-12 01:42:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.62 Mbit/s
95th percentile per-packet one-way delay: 40.998 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 40.484 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 41.361 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 41.181 ms
Loss rate: 0.35%

Run 3: Report of Sprout — Data Link

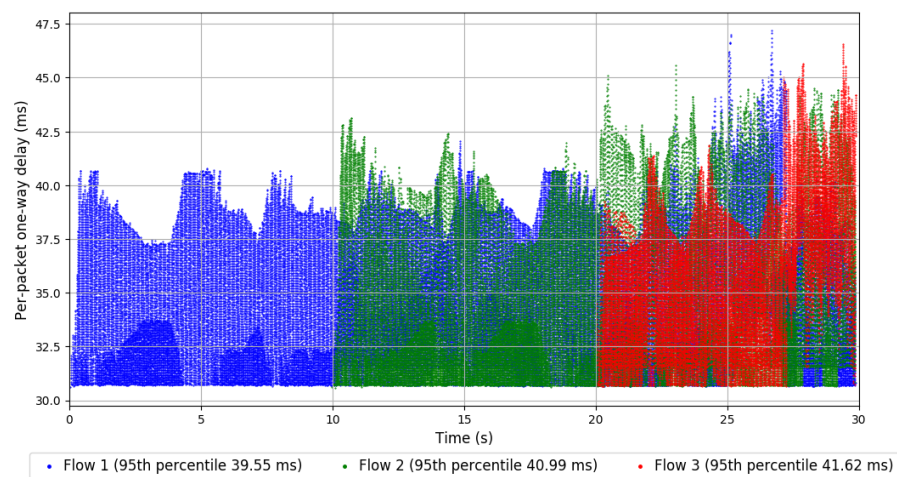
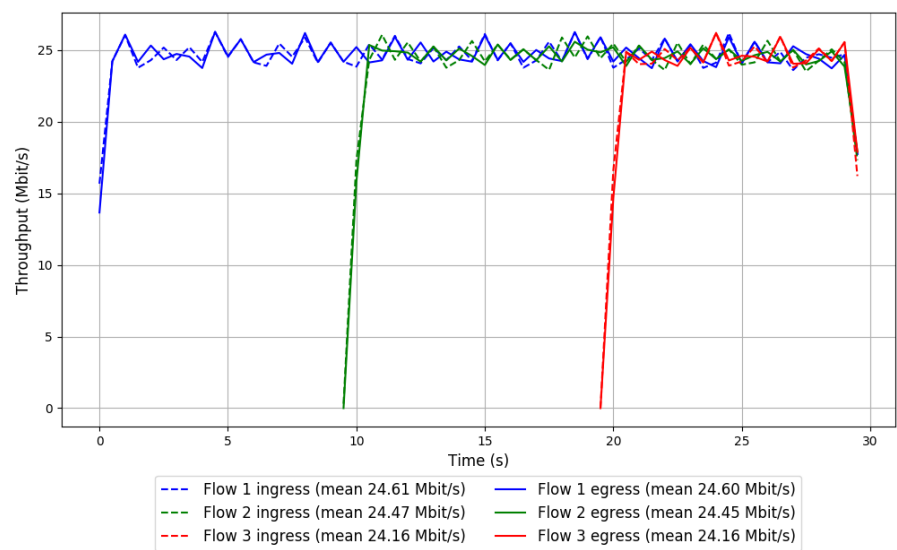


Run 4: Statistics of Sprout

Start at: 2017-12-11 20:48:26
End at: 2017-12-11 20:48:56
Local clock offset: 2.582 ms
Remote clock offset: -13.248 ms

Below is generated by plot.py at 2017-12-12 01:42:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 40.471 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 39.551 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 40.992 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 41.624 ms
Loss rate: 0.06%

Run 4: Report of Sprout — Data Link

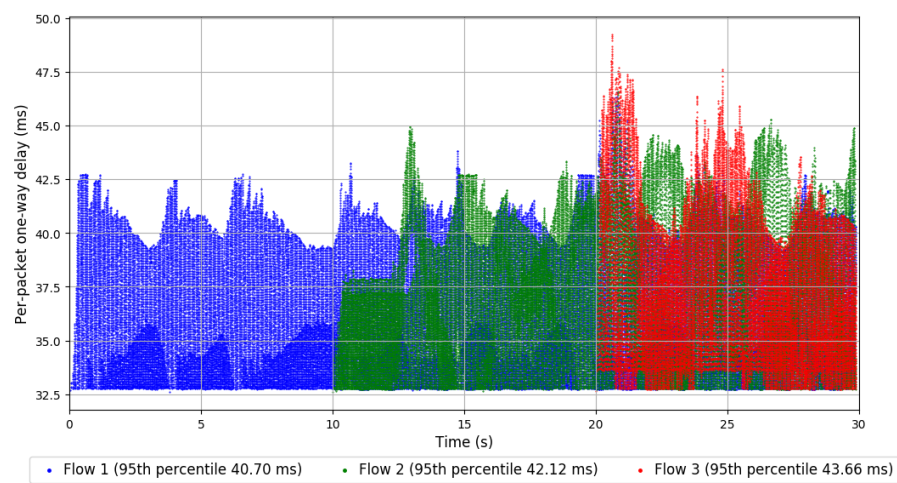
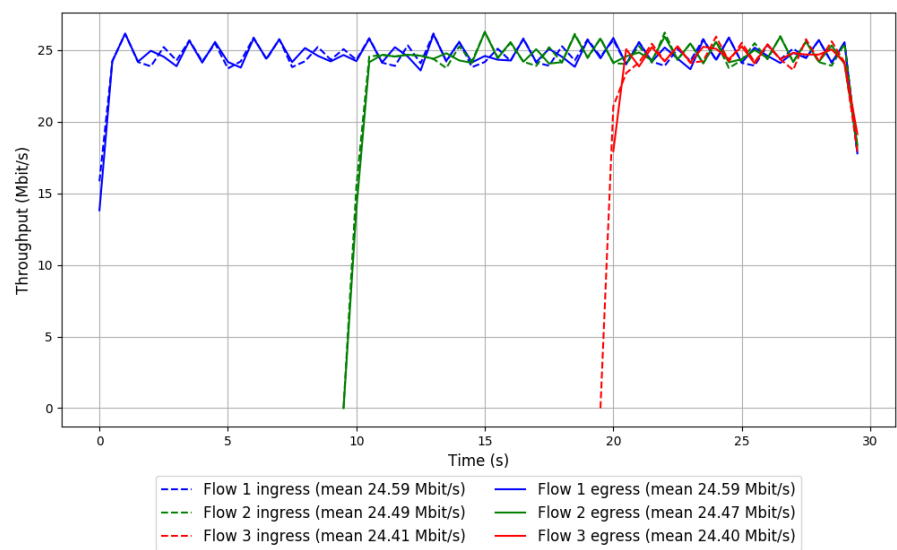


Run 5: Statistics of Sprout

Start at: 2017-12-11 21:05:17
End at: 2017-12-11 21:05:47
Local clock offset: 6.919 ms
Remote clock offset: -11.798 ms

Below is generated by plot.py at 2017-12-12 01:42:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 41.735 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 40.700 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 42.120 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 43.664 ms
Loss rate: 0.16%

Run 5: Report of Sprout — Data Link

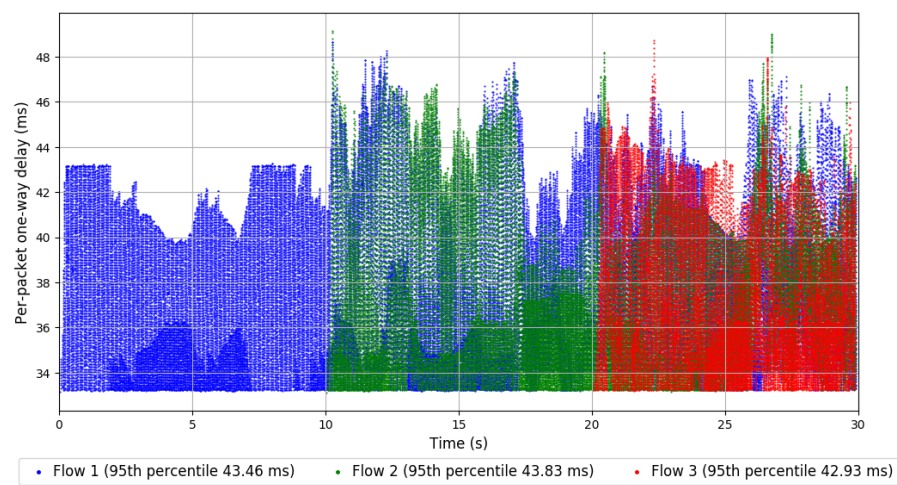
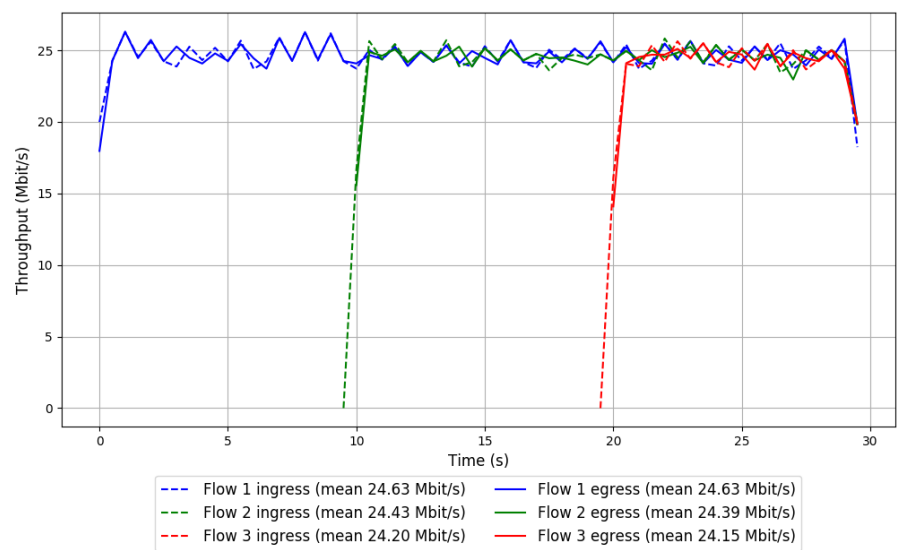


Run 6: Statistics of Sprout

Start at: 2017-12-11 21:22:00
End at: 2017-12-11 21:22:30
Local clock offset: 4.686 ms
Remote clock offset: -14.298 ms

Below is generated by plot.py at 2017-12-12 01:42:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 43.466 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 43.462 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 43.826 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 42.933 ms
Loss rate: 0.41%

Run 6: Report of Sprout — Data Link

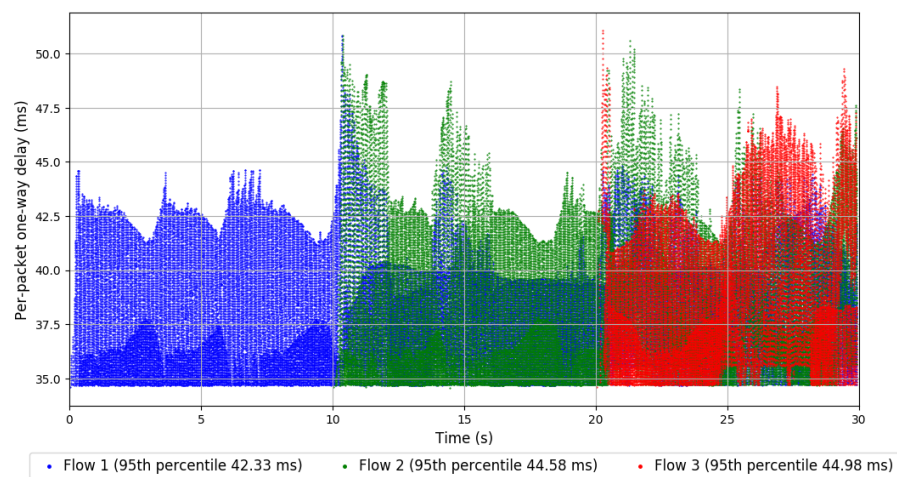
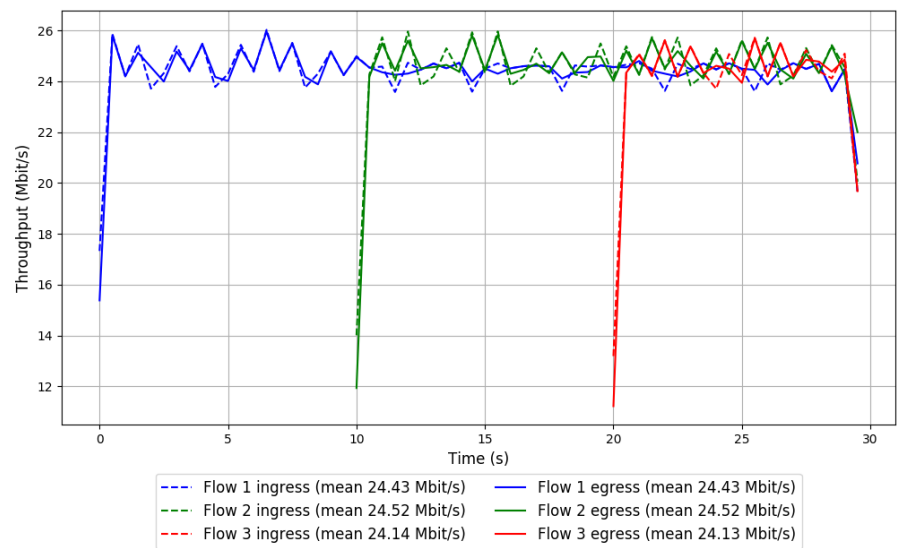


Run 7: Statistics of Sprout

Start at: 2017-12-11 21:38:43
End at: 2017-12-11 21:39:13
Local clock offset: 8.258 ms
Remote clock offset: -11.926 ms

Below is generated by plot.py at 2017-12-12 01:42:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 43.582 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 42.331 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 44.583 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 44.975 ms
Loss rate: 0.41%

Run 7: Report of Sprout — Data Link

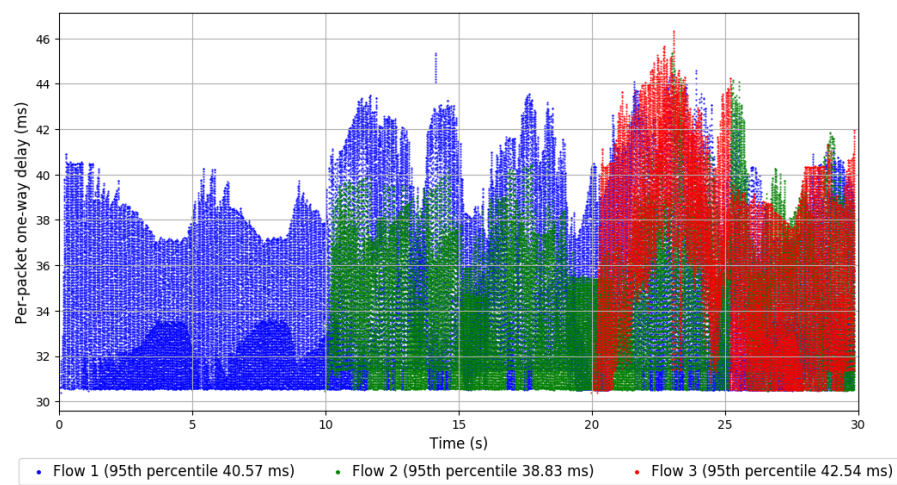
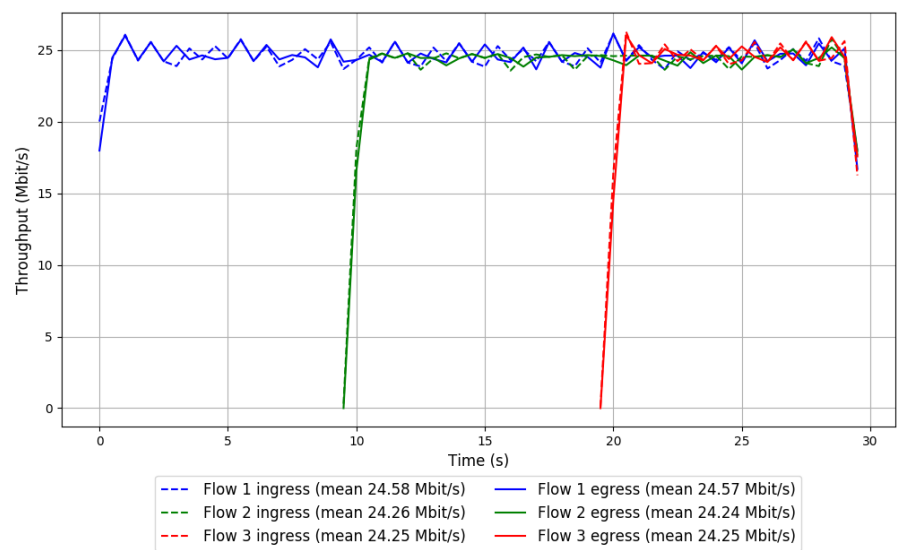


Run 8: Statistics of Sprout

Start at: 2017-12-11 21:56:02
End at: 2017-12-11 21:56:32
Local clock offset: 4.086 ms
Remote clock offset: -11.35 ms

Below is generated by plot.py at 2017-12-12 01:42:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.75 Mbit/s
95th percentile per-packet one-way delay: 40.718 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 40.572 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 38.827 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 42.542 ms
Loss rate: 0.07%

Run 8: Report of Sprout — Data Link

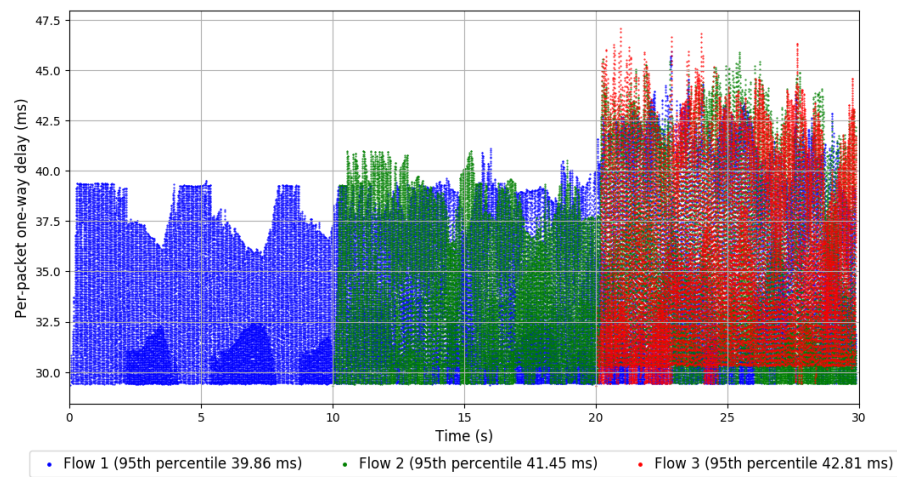
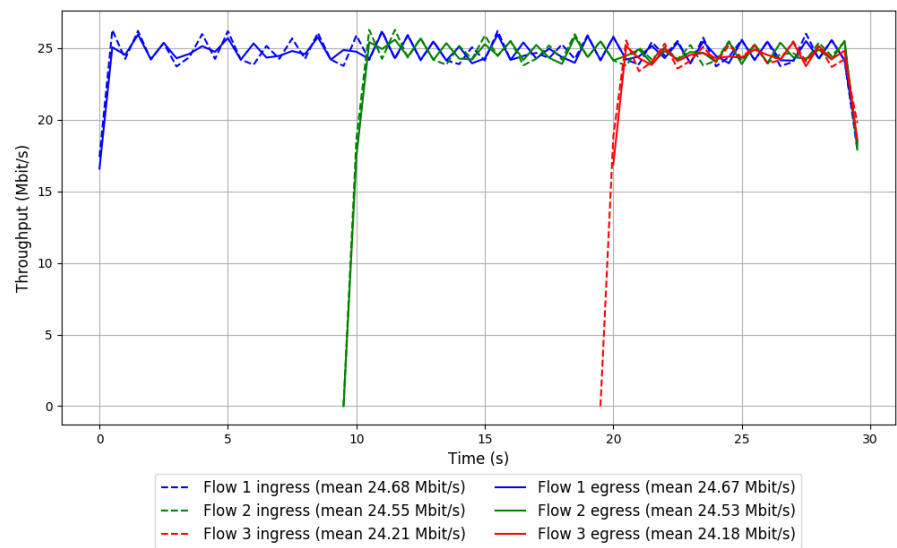


Run 9: Statistics of Sprout

Start at: 2017-12-11 22:12:51
End at: 2017-12-11 22:13:21
Local clock offset: 5.767 ms
Remote clock offset: -10.718 ms

Below is generated by plot.py at 2017-12-12 01:42:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 41.313 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 39.864 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 41.450 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 42.809 ms
Loss rate: 0.41%

Run 9: Report of Sprout — Data Link

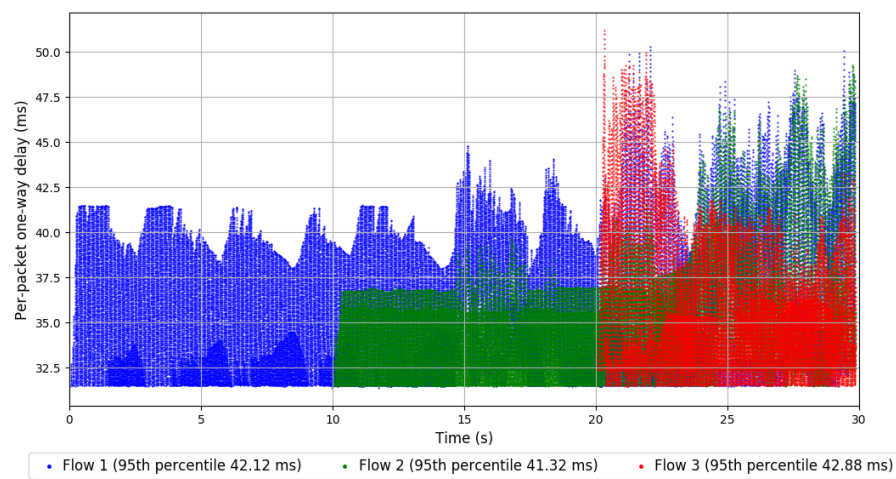
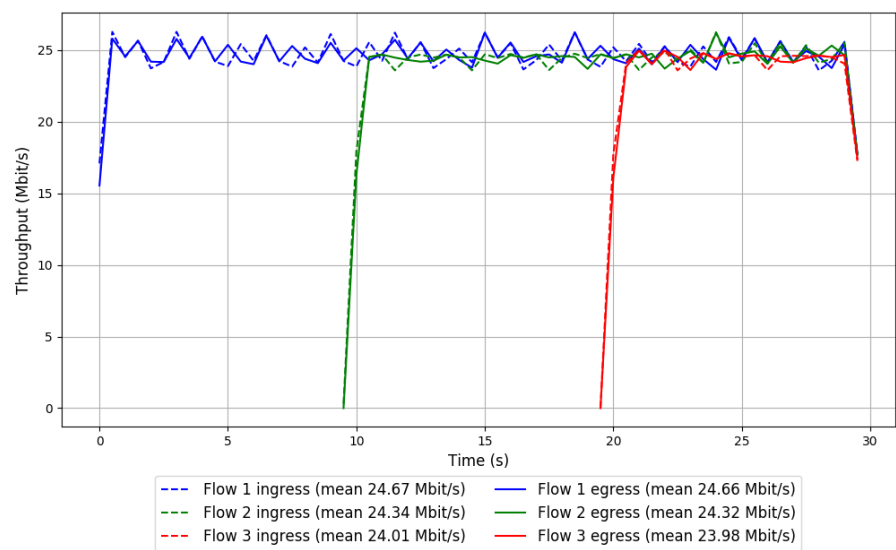


Run 10: Statistics of Sprout

Start at: 2017-12-11 22:29:35
End at: 2017-12-11 22:30:05
Local clock offset: 3.147 ms
Remote clock offset: -14.849 ms

Below is generated by plot.py at 2017-12-12 01:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 42.027 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 42.121 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 41.319 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 42.875 ms
Loss rate: 0.25%

Run 10: Report of Sprout — Data Link

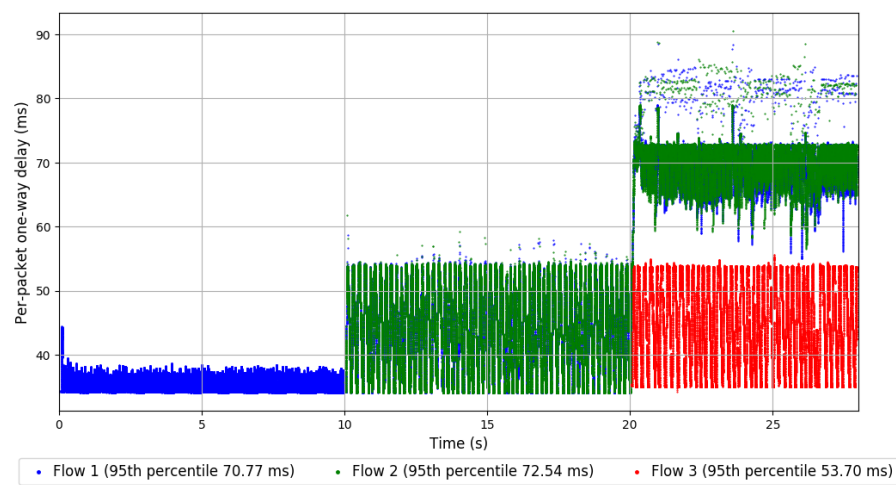
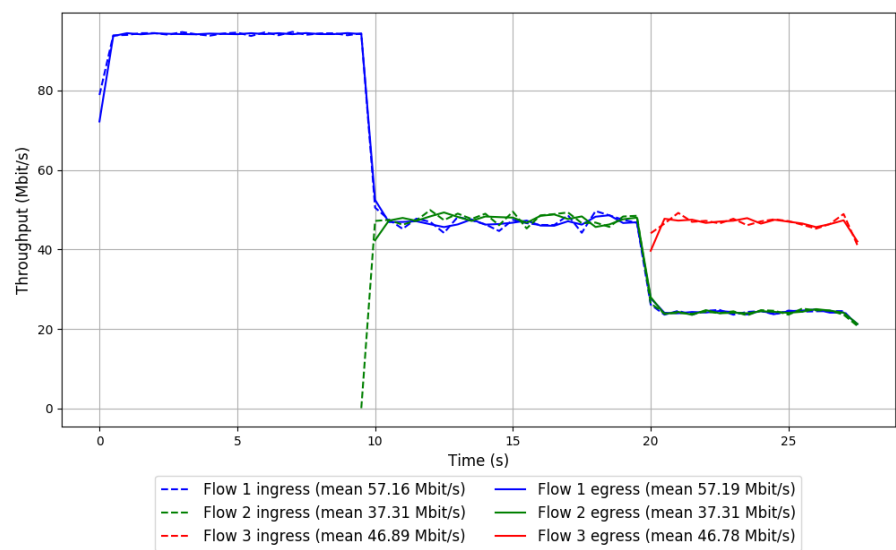


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-11 19:59:15
End at: 2017-12-11 19:59:45
Local clock offset: 5.012 ms
Remote clock offset: -13.91 ms

# Below is generated by plot.py at 2017-12-12 01:44:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 71.552 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.19 Mbit/s
95th percentile per-packet one-way delay: 70.770 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 72.541 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 53.705 ms
Loss rate: 0.56%
```


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

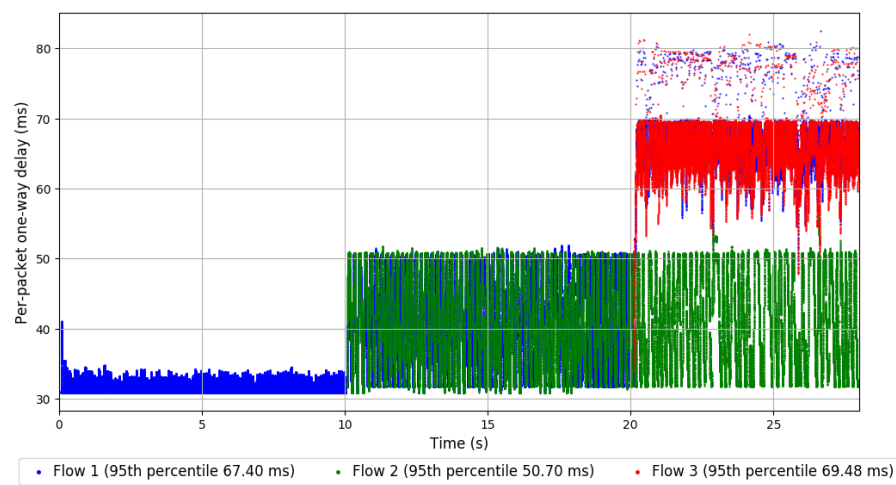
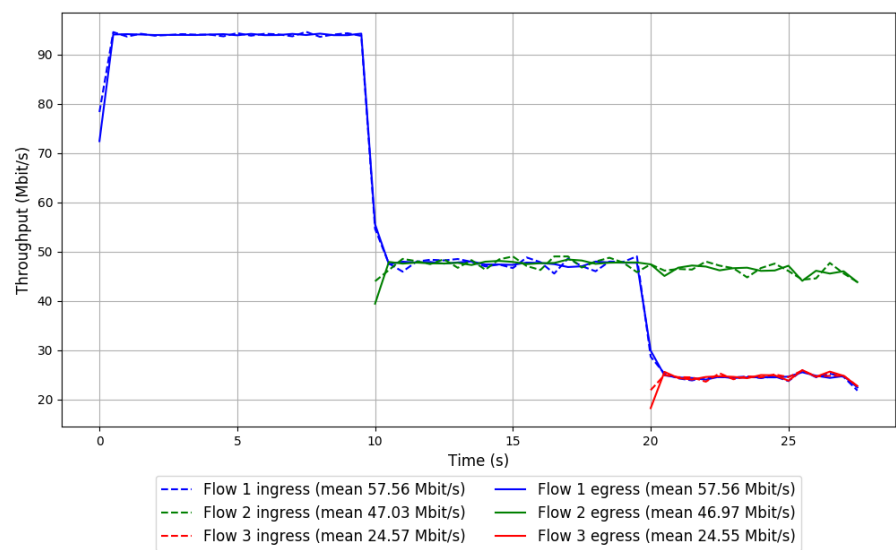


Run 2: Statistics of TaoVA-100x

Start at: 2017-12-11 20:16:49
End at: 2017-12-11 20:17:19
Local clock offset: 1.13 ms
Remote clock offset: -14.145 ms

Below is generated by plot.py at 2017-12-12 01:44:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 67.727 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 57.56 Mbit/s
95th percentile per-packet one-way delay: 67.399 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 50.702 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 69.479 ms
Loss rate: 0.70%

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

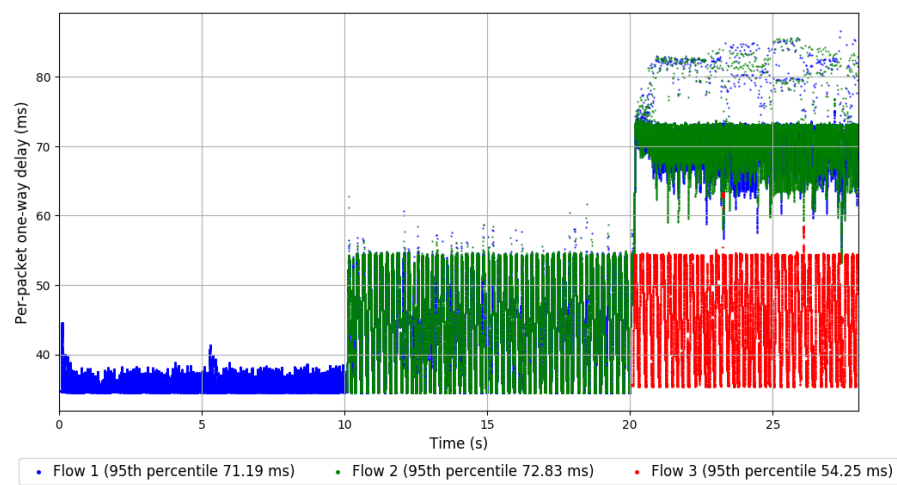
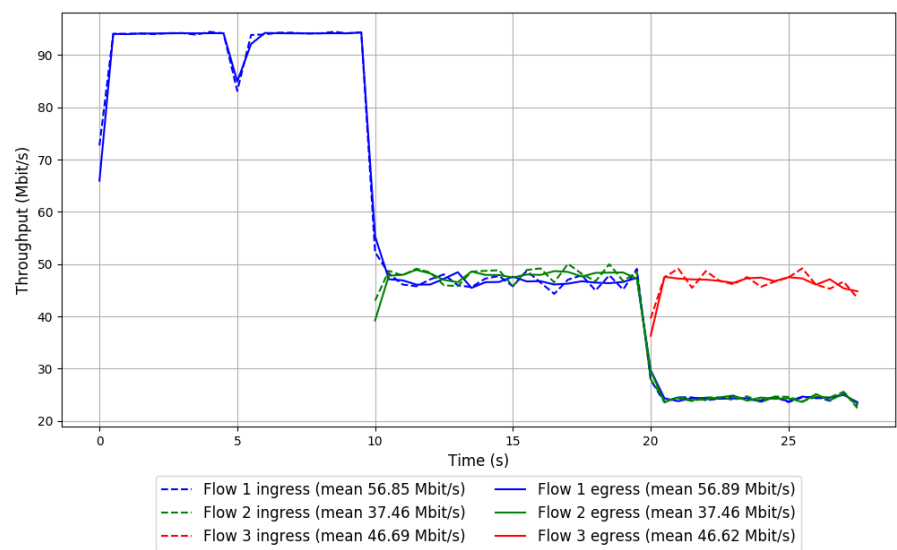


Run 3: Statistics of TaoVA-100x

Start at: 2017-12-11 20:33:58
End at: 2017-12-11 20:34:28
Local clock offset: 4.906 ms
Remote clock offset: -14.335 ms

Below is generated by plot.py at 2017-12-12 01:44:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 71.923 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 71.195 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 72.833 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 54.249 ms
Loss rate: 0.45%

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

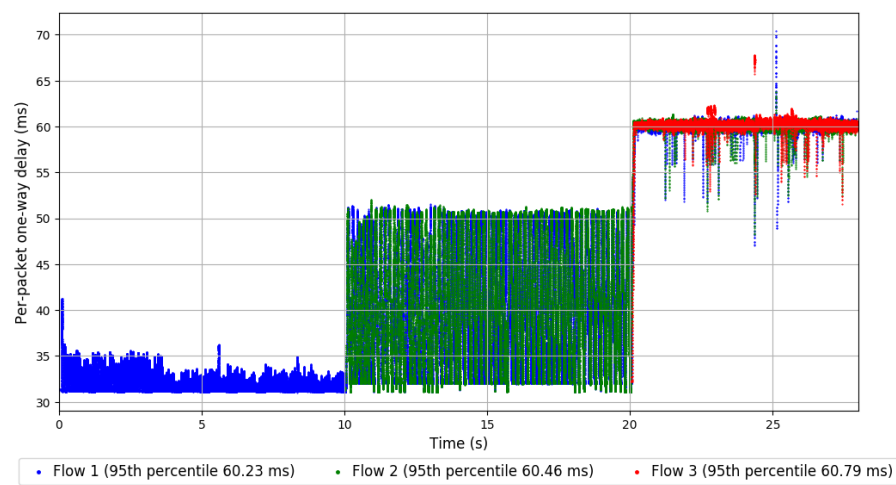
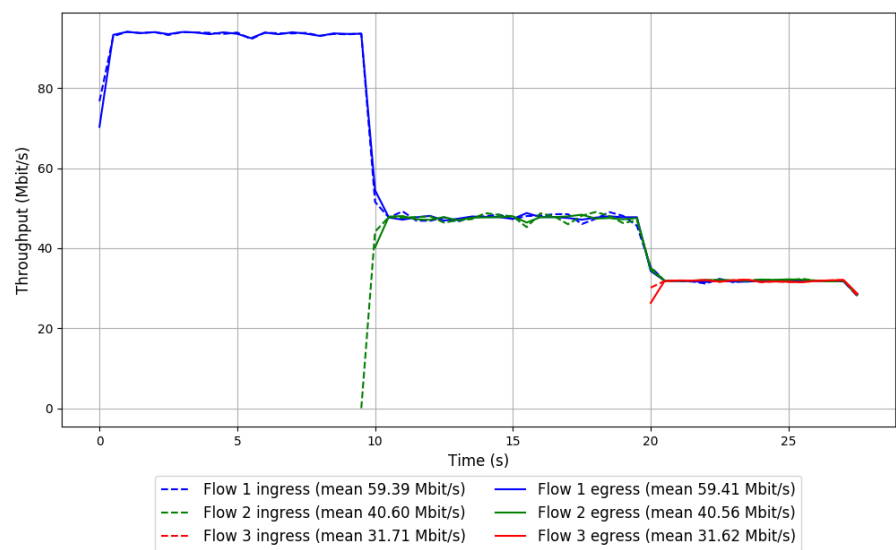


Run 4: Statistics of TaoVA-100x

Start at: 2017-12-11 20:50:48
End at: 2017-12-11 20:51:18
Local clock offset: 5.123 ms
Remote clock offset: -11.339 ms

Below is generated by plot.py at 2017-12-12 01:45:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 60.453 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 60.235 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 60.459 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 60.790 ms
Loss rate: 0.67%

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

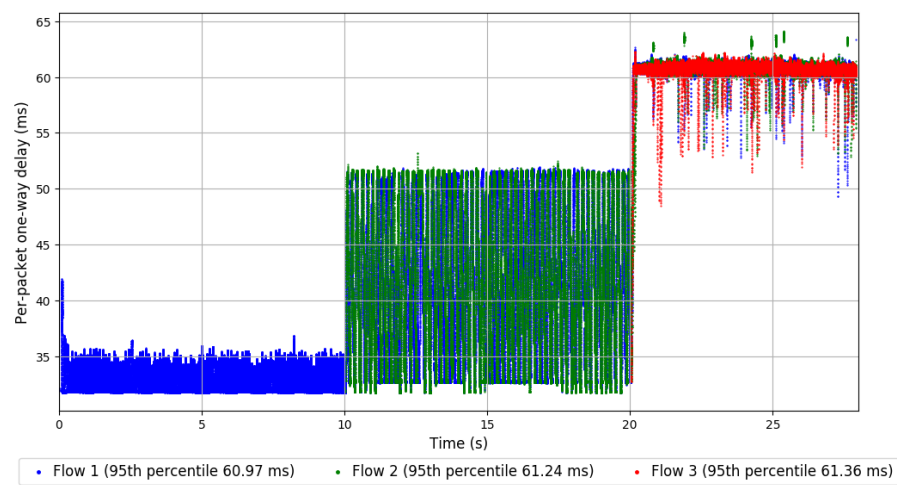
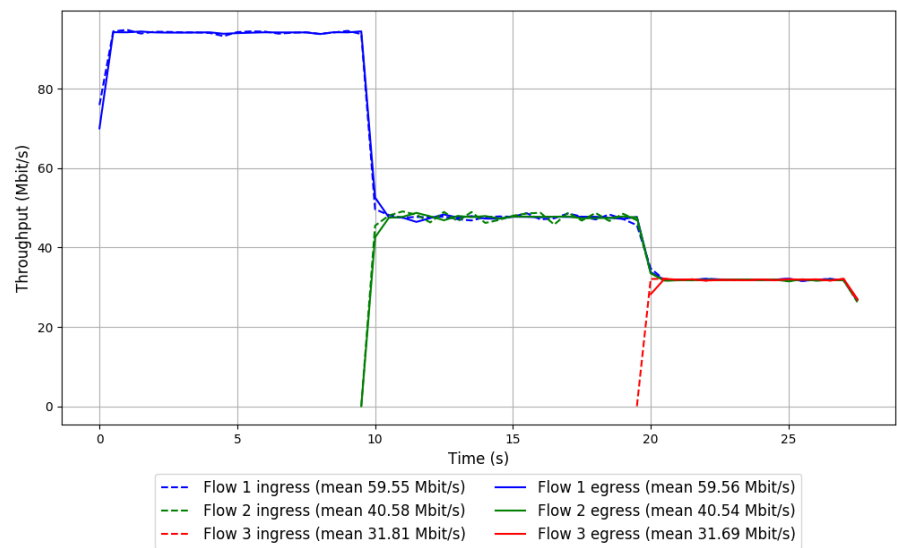


Run 5: Statistics of TaoVA-100x

Start at: 2017-12-11 21:07:39
End at: 2017-12-11 21:08:09
Local clock offset: 4.505 ms
Remote clock offset: -13.289 ms

Below is generated by plot.py at 2017-12-12 01:45:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 61.147 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 60.974 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 61.241 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 61.362 ms
Loss rate: 0.67%

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

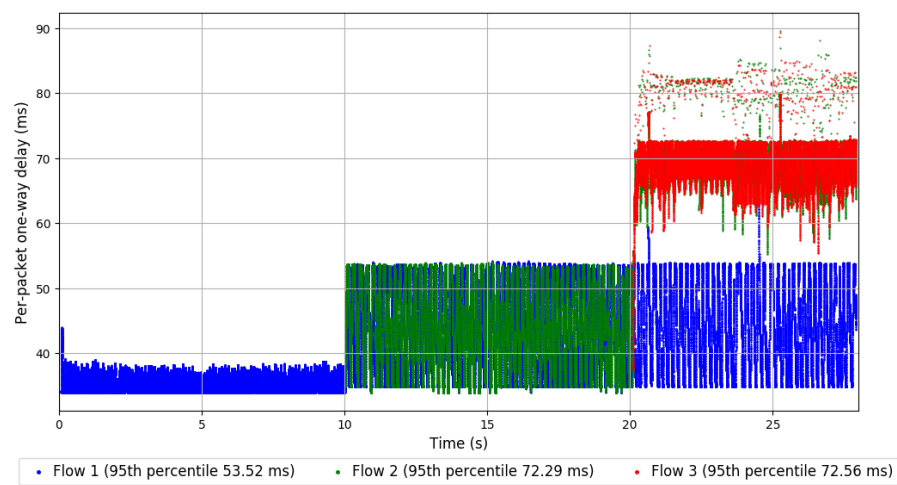
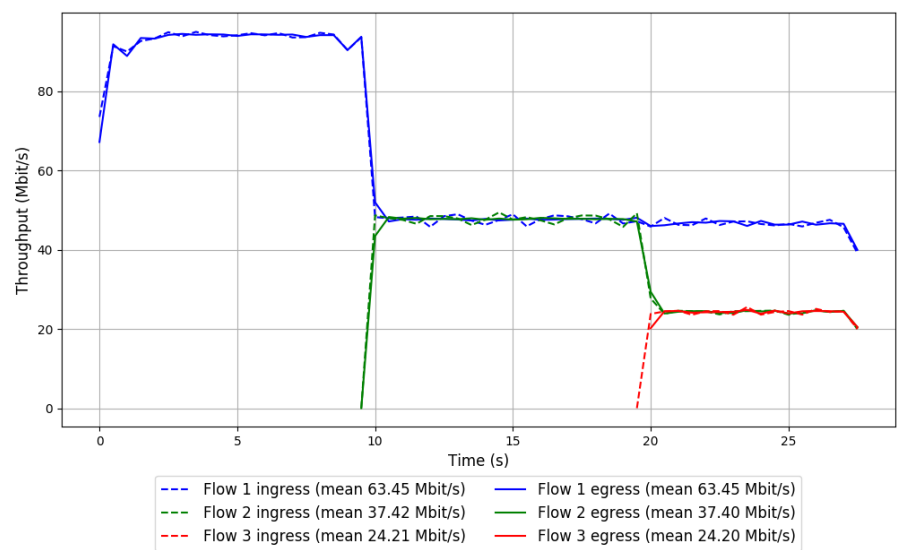


Run 6: Statistics of TaoVA-100x

Start at: 2017-12-11 21:24:22
End at: 2017-12-11 21:24:52
Local clock offset: 5.558 ms
Remote clock offset: -13.992 ms

Below is generated by plot.py at 2017-12-12 01:45:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 71.160 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 53.517 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 72.288 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 72.559 ms
Loss rate: 0.71%

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

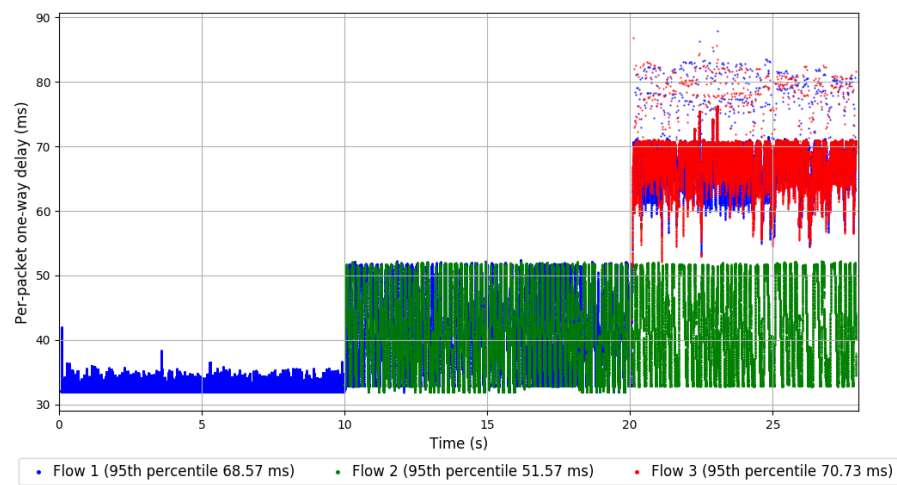
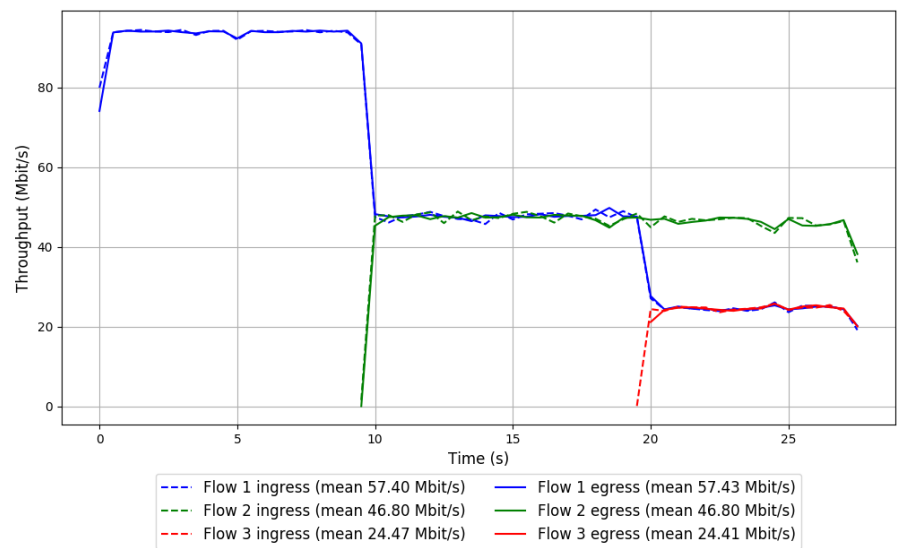


Run 7: Statistics of TaoVA-100x

Start at: 2017-12-11 21:41:06
End at: 2017-12-11 21:41:36
Local clock offset: 4.463 ms
Remote clock offset: -12.893 ms

Below is generated by plot.py at 2017-12-12 01:45:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 69.167 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.43 Mbit/s
95th percentile per-packet one-way delay: 68.566 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 51.568 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 70.728 ms
Loss rate: 0.73%

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

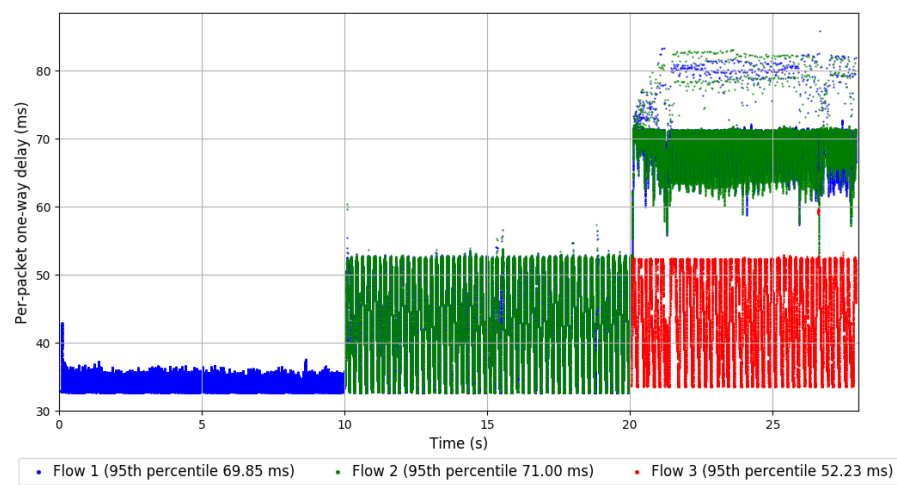
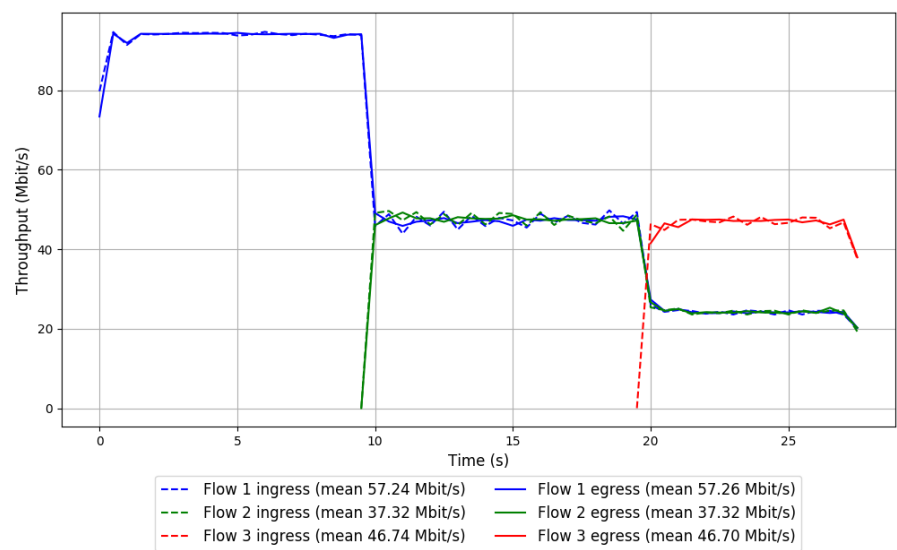


Run 8: Statistics of TaoVA-100x

Start at: 2017-12-11 21:58:27
End at: 2017-12-11 21:58:57
Local clock offset: 4.209 ms
Remote clock offset: -13.663 ms

Below is generated by plot.py at 2017-12-12 01:45:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 70.263 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 69.850 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 70.998 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 52.230 ms
Loss rate: 0.39%

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

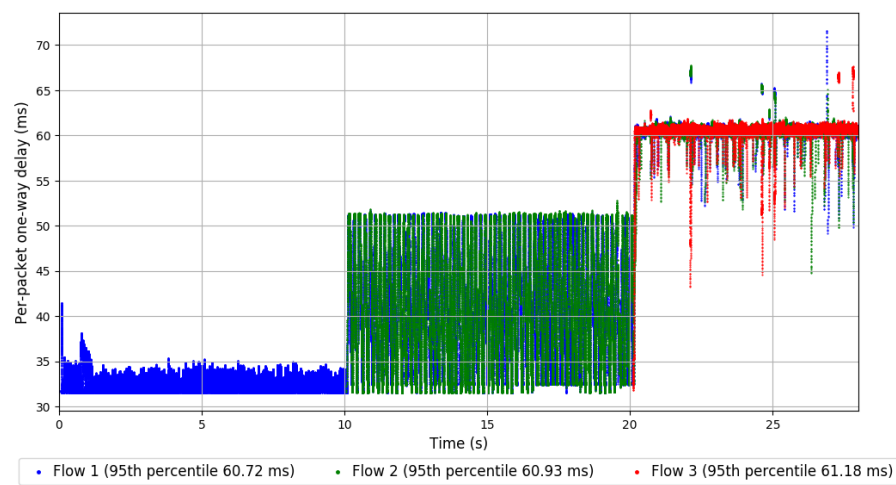
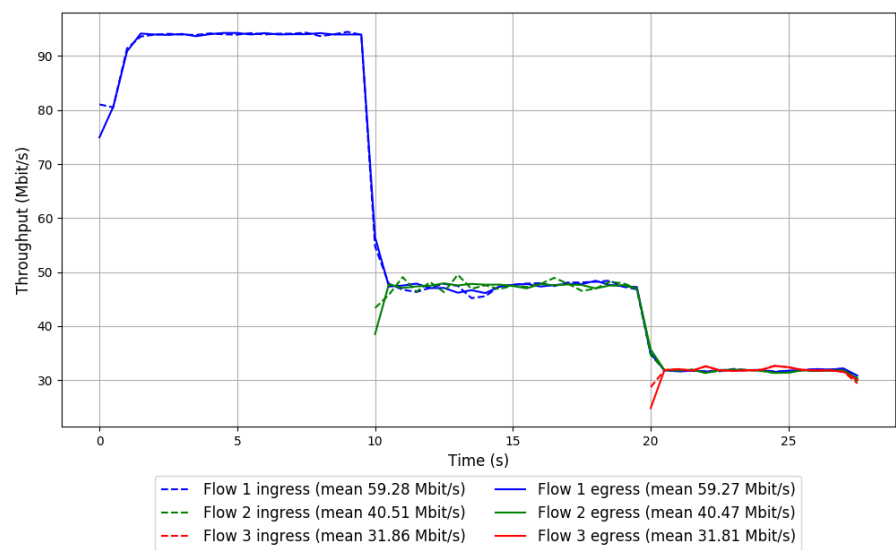


Run 9: Statistics of TaoVA-100x

Start at: 2017-12-11 22:15:12
End at: 2017-12-11 22:15:42
Local clock offset: 4.125 ms
Remote clock offset: -14.431 ms

Below is generated by plot.py at 2017-12-12 01:46:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.23 Mbit/s
95th percentile per-packet one-way delay: 60.906 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.27 Mbit/s
95th percentile per-packet one-way delay: 60.722 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 60.932 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 61.182 ms
Loss rate: 0.64%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-12-11 22:31:57

End at: 2017-12-11 22:32:27

Local clock offset: 6.203 ms

Remote clock offset: -13.546 ms

Below is generated by plot.py at 2017-12-12 01:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 70.948 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 70.278 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 46.84 Mbit/s

95th percentile per-packet one-way delay: 53.022 ms

Loss rate: 0.16%

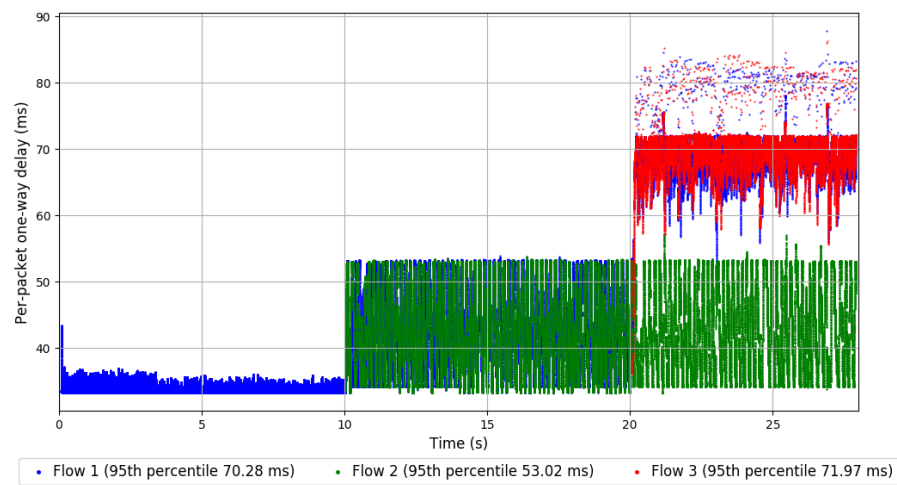
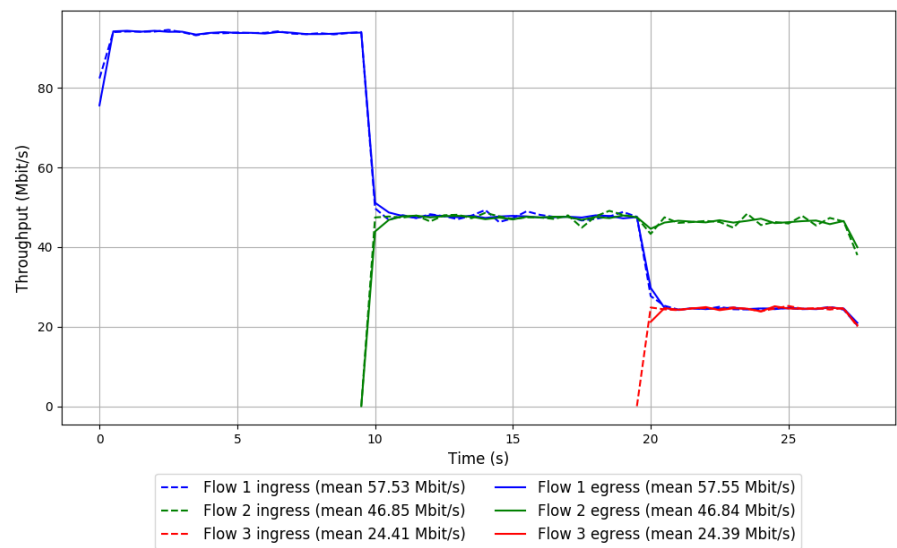
-- Flow 3:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 71.968 ms

Loss rate: 0.75%

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

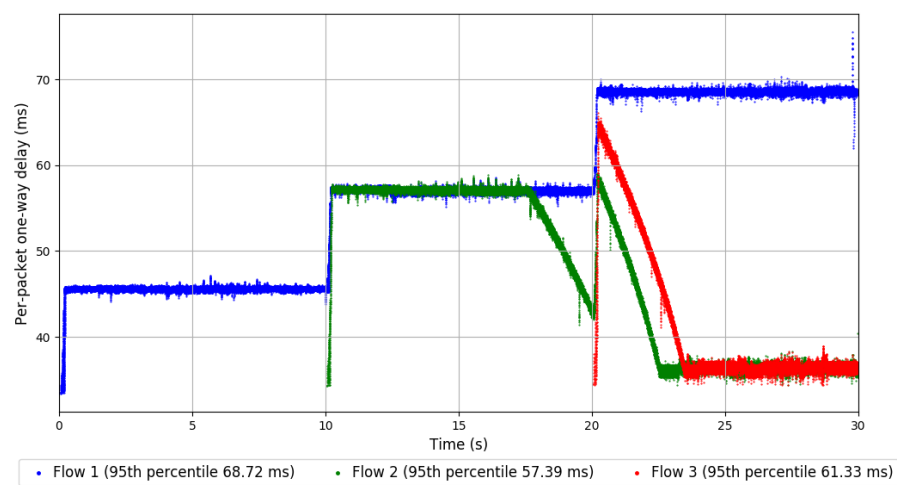
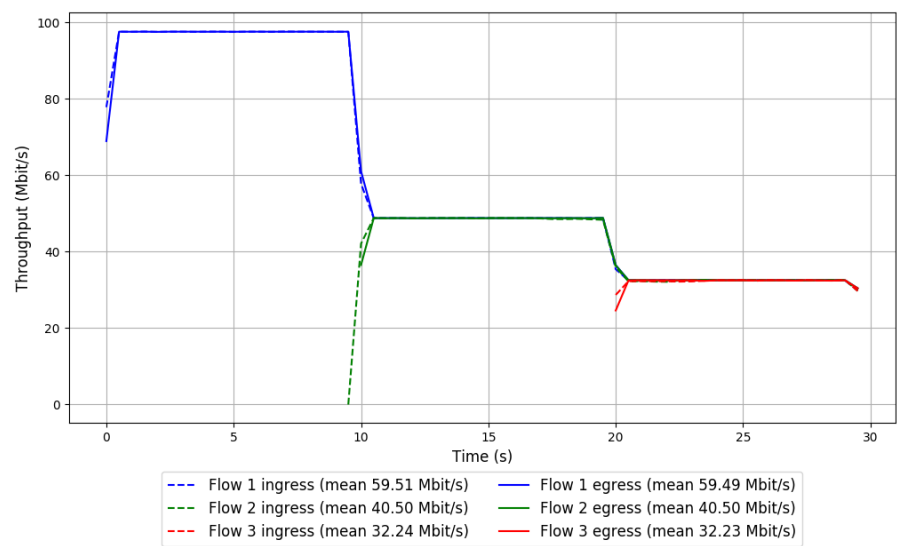


Run 1: Statistics of TCP Vegas

Start at: 2017-12-11 20:04:13
End at: 2017-12-11 20:04:43
Local clock offset: 4.378 ms
Remote clock offset: -13.997 ms

Below is generated by plot.py at 2017-12-12 01:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 68.624 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 68.721 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 57.387 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 61.329 ms
Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link

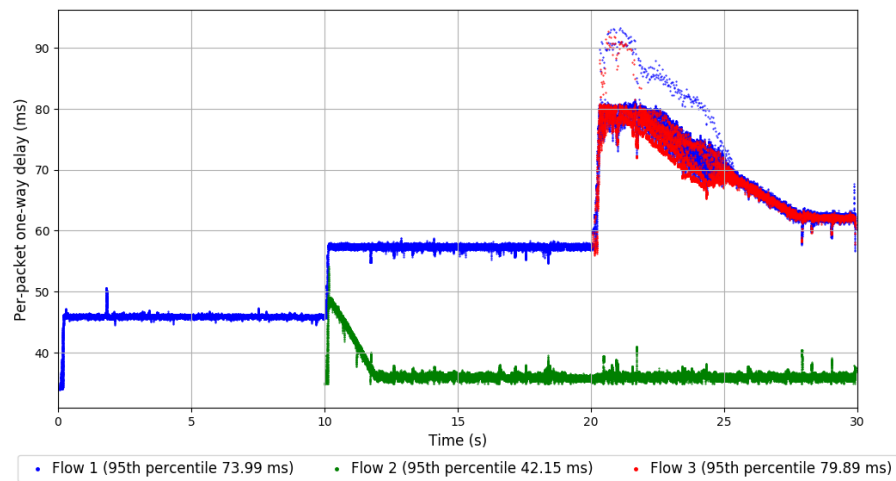
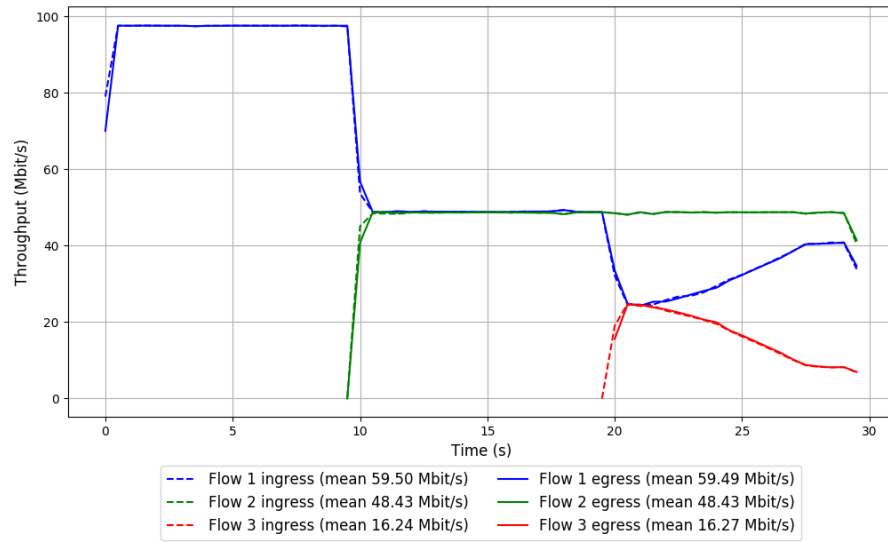


Run 2: Statistics of TCP Vegas

Start at: 2017-12-11 20:21:58
End at: 2017-12-11 20:22:28
Local clock offset: 3.957 ms
Remote clock offset: -14.445 ms

Below is generated by plot.py at 2017-12-12 01:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 74.296 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 73.994 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 42.148 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 79.887 ms
Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link

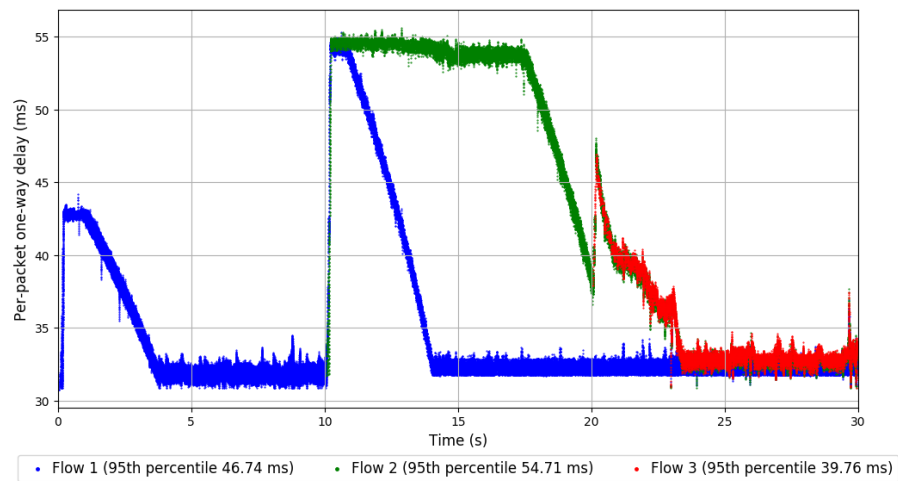
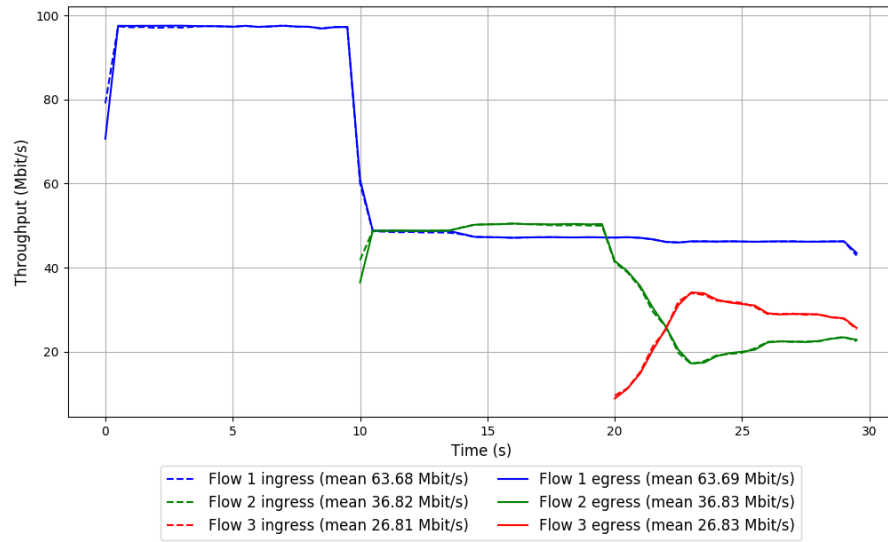


Run 3: Statistics of TCP Vegas

Start at: 2017-12-11 20:38:52
End at: 2017-12-11 20:39:22
Local clock offset: 3.617 ms
Remote clock offset: -12.05 ms

```
# Below is generated by plot.py at 2017-12-12 01:47:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 54.416 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 63.69 Mbit/s
95th percentile per-packet one-way delay: 46.737 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 54.708 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 39.760 ms
Loss rate: 0.27%
```


Run 3: Report of TCP Vegas — Data Link

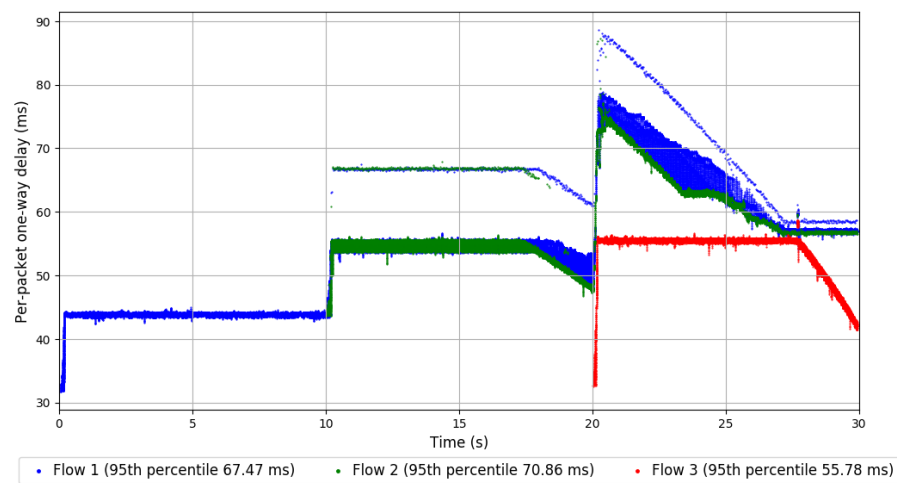
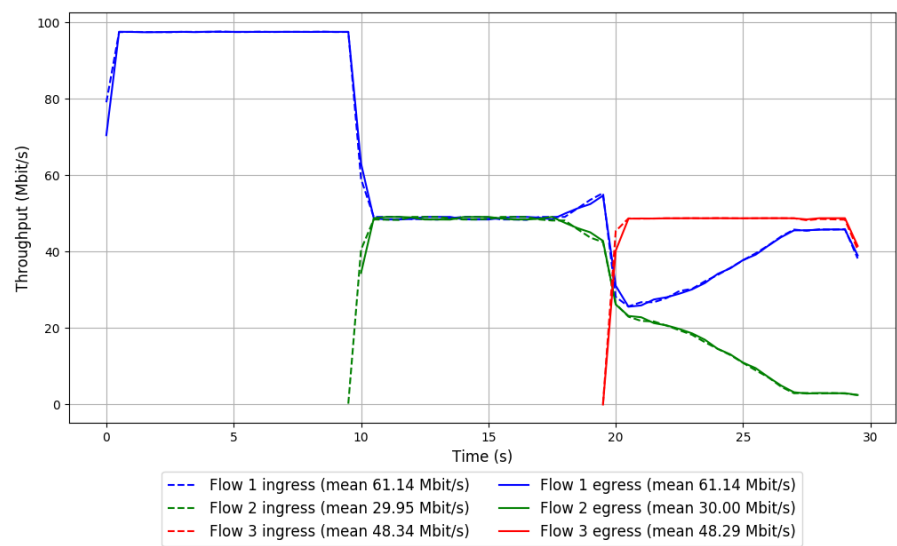


Run 4: Statistics of TCP Vegas

Start at: 2017-12-11 20:55:32
End at: 2017-12-11 20:56:02
Local clock offset: 4.736 ms
Remote clock offset: -12.475 ms

Below is generated by plot.py at 2017-12-12 01:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 67.161 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 67.468 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 70.858 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 48.29 Mbit/s
95th percentile per-packet one-way delay: 55.777 ms
Loss rate: 0.35%

Run 4: Report of TCP Vegas — Data Link

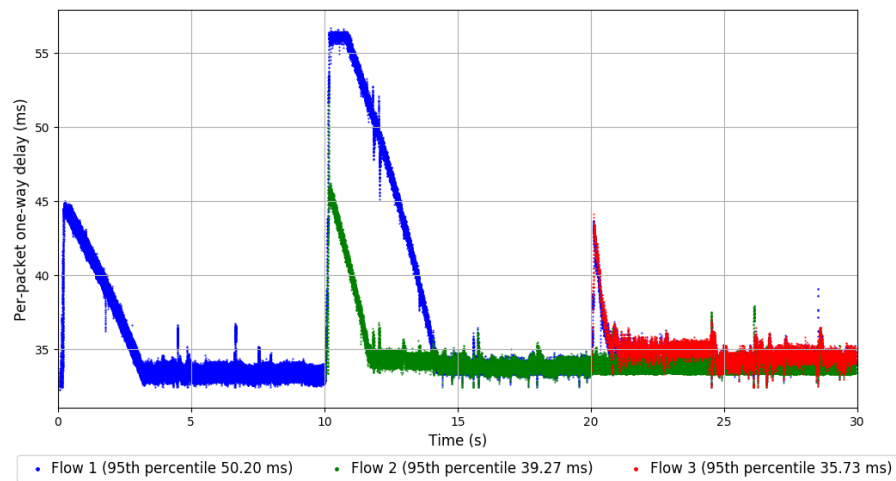
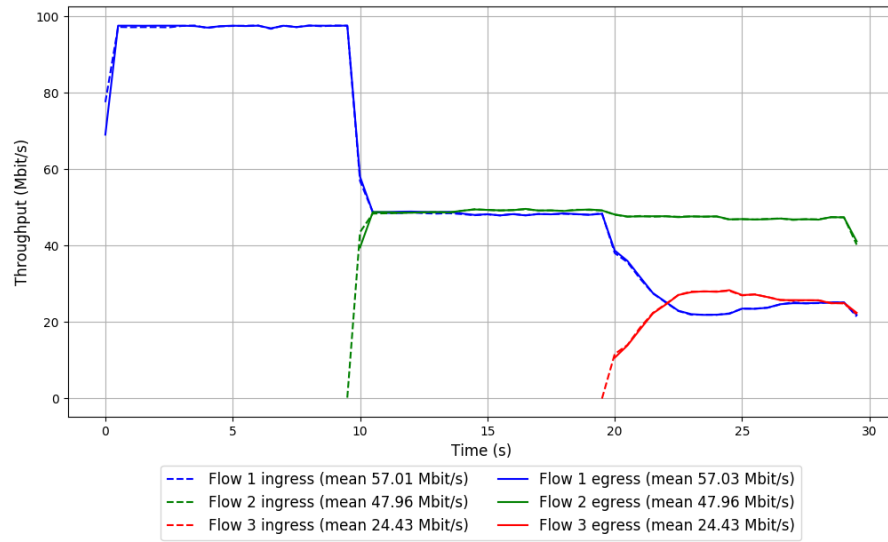


Run 5: Statistics of TCP Vegas

Start at: 2017-12-11 21:12:28
End at: 2017-12-11 21:12:58
Local clock offset: 6.681 ms
Remote clock offset: -11.719 ms

Below is generated by plot.py at 2017-12-12 01:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 44.599 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 50.204 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 47.96 Mbit/s
95th percentile per-packet one-way delay: 39.268 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 35.732 ms
Loss rate: 0.27%

Run 5: Report of TCP Vegas — Data Link

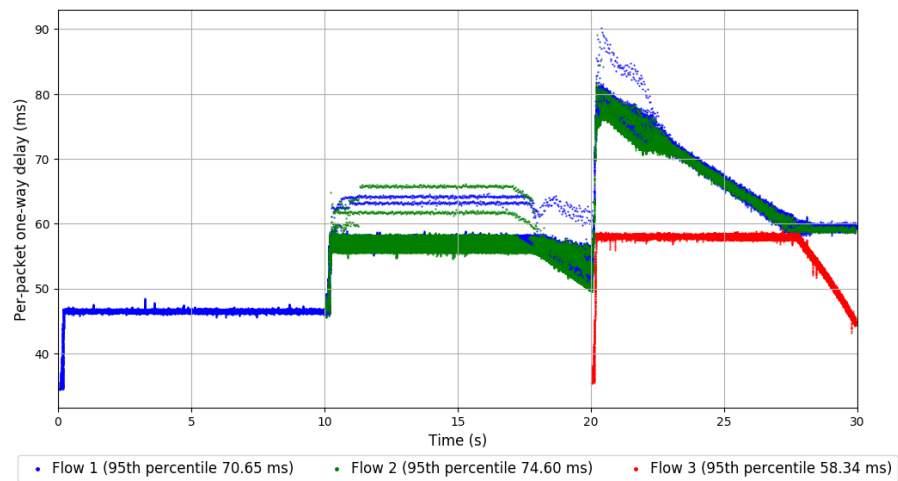
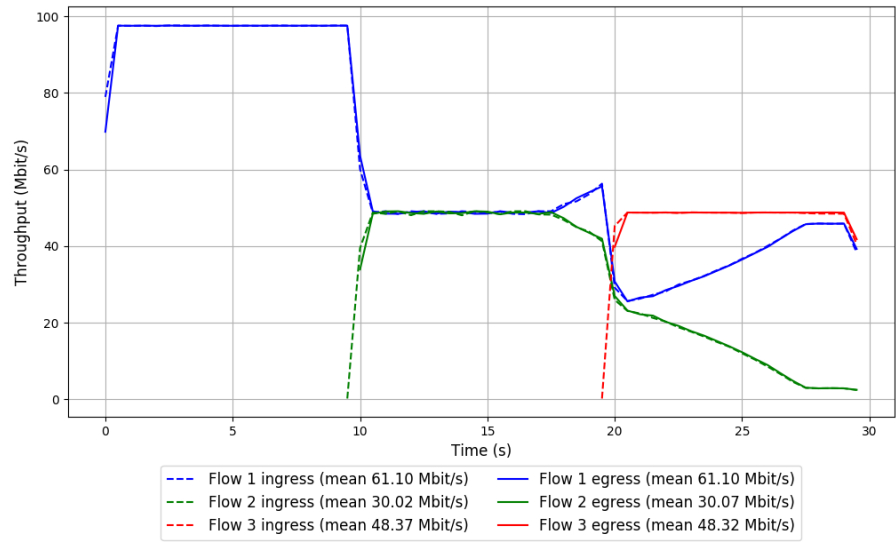


Run 6: Statistics of TCP Vegas

Start at: 2017-12-11 21:29:09
End at: 2017-12-11 21:29:39
Local clock offset: 6.936 ms
Remote clock offset: -13.193 ms

Below is generated by plot.py at 2017-12-12 01:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 71.286 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 61.10 Mbit/s
95th percentile per-packet one-way delay: 70.653 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 74.602 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 48.32 Mbit/s
95th percentile per-packet one-way delay: 58.335 ms
Loss rate: 0.34%

Run 6: Report of TCP Vegas — Data Link

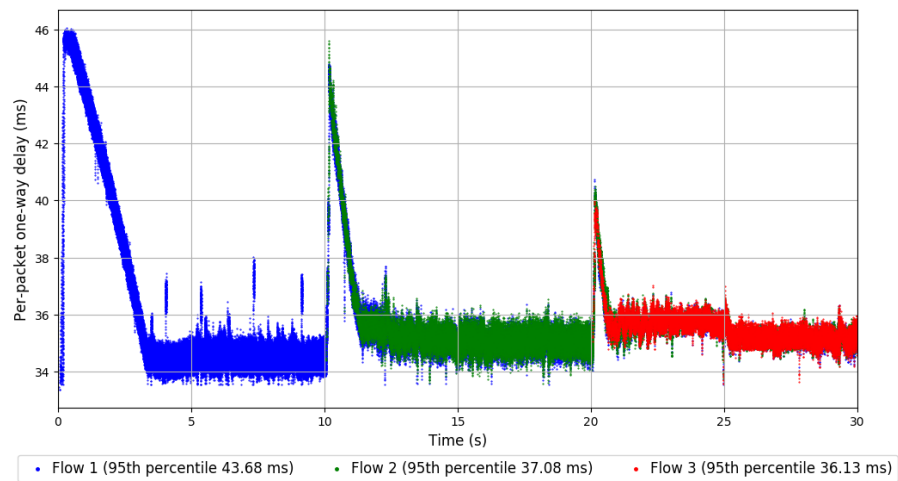
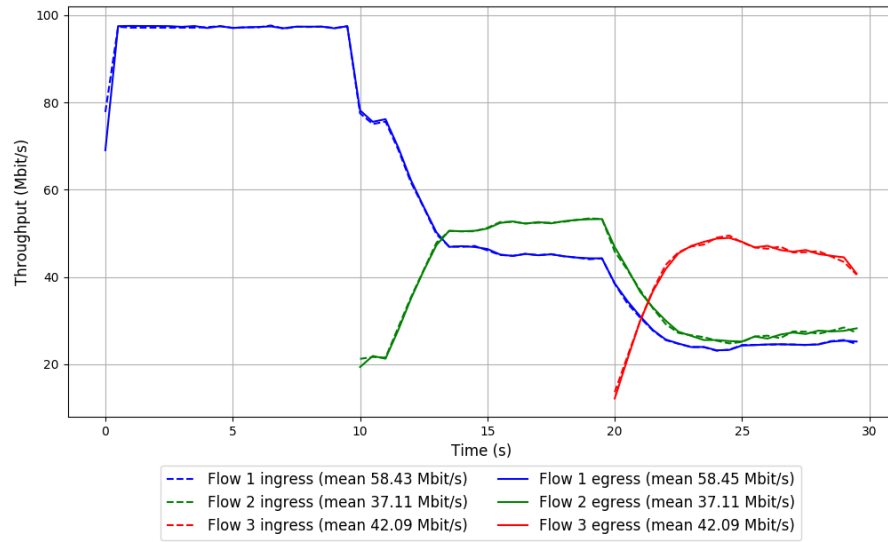


Run 7: Statistics of TCP Vegas

Start at: 2017-12-11 21:45:58
End at: 2017-12-11 21:46:28
Local clock offset: 7.433 ms
Remote clock offset: -11.532 ms

Below is generated by plot.py at 2017-12-12 01:47:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 42.201 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.45 Mbit/s
95th percentile per-packet one-way delay: 43.677 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 37.081 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 42.09 Mbit/s
95th percentile per-packet one-way delay: 36.130 ms
Loss rate: 0.25%

Run 7: Report of TCP Vegas — Data Link

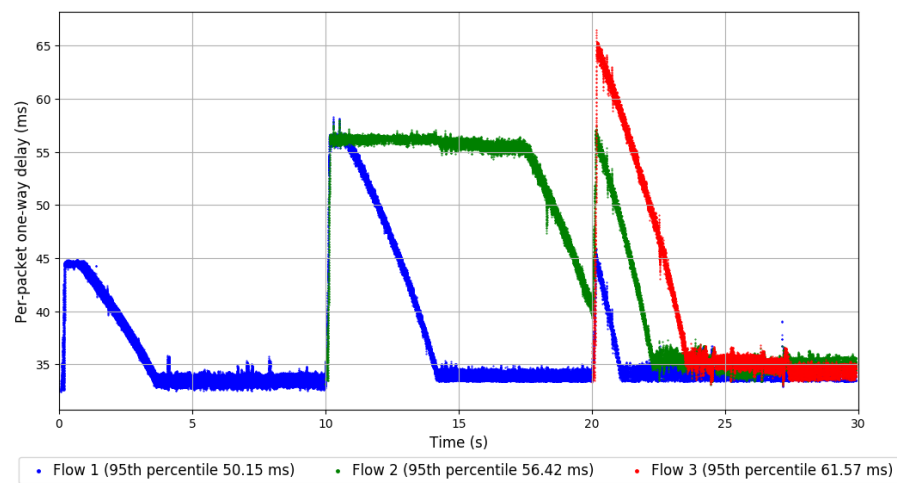
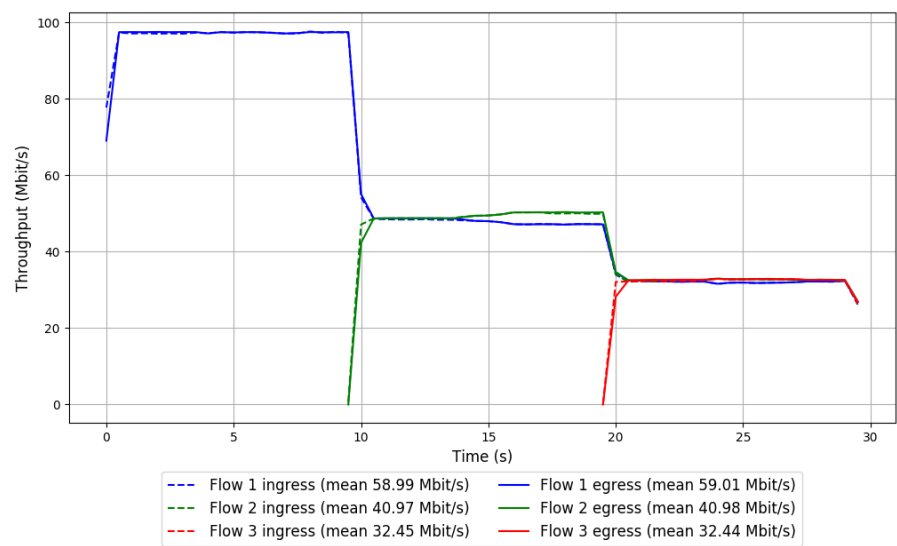


Run 8: Statistics of TCP Vegas

Start at: 2017-12-11 22:03:21
End at: 2017-12-11 22:03:51
Local clock offset: 5.592 ms
Remote clock offset: -12.352 ms

Below is generated by plot.py at 2017-12-12 01:47:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 56.284 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.01 Mbit/s
95th percentile per-packet one-way delay: 50.153 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 56.424 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 61.570 ms
Loss rate: 0.26%

Run 8: Report of TCP Vegas — Data Link

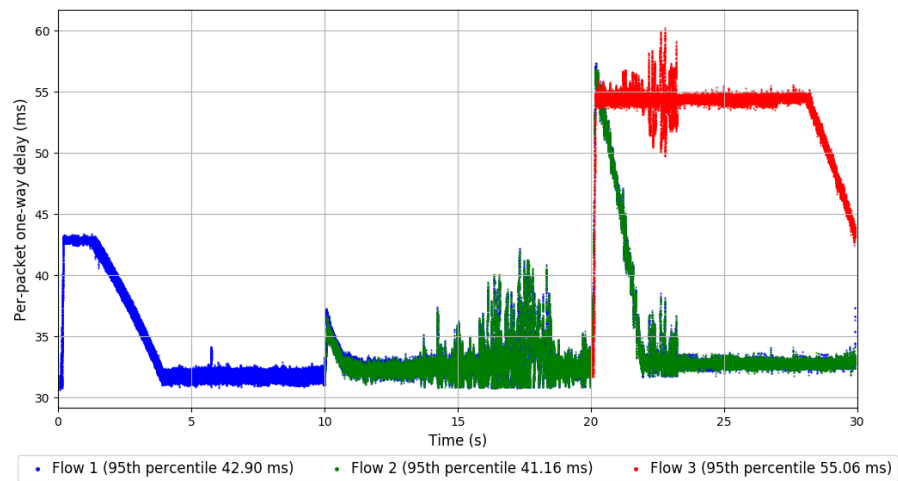
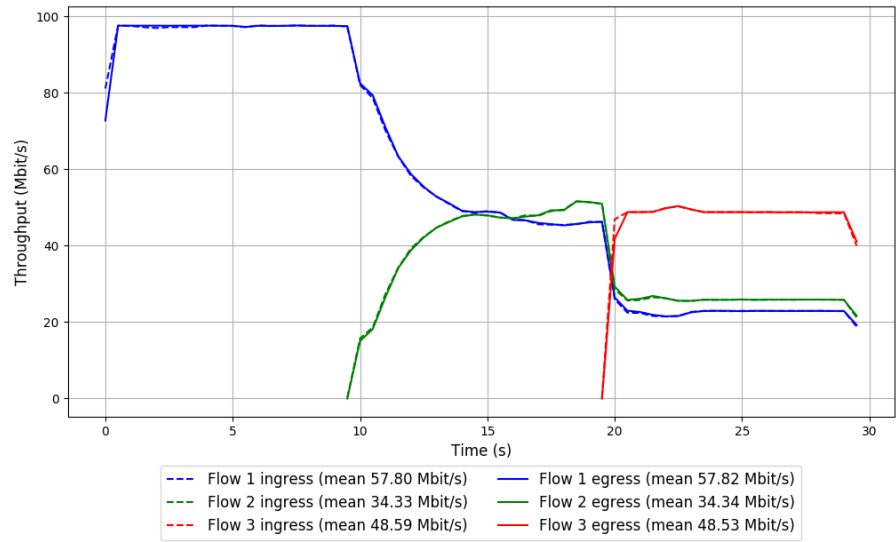


Run 9: Statistics of TCP Vegas

Start at: 2017-12-11 22:19:57
End at: 2017-12-11 22:20:27
Local clock offset: 3.915 ms
Remote clock offset: -13.613 ms

Below is generated by plot.py at 2017-12-12 01:48:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 54.531 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 42.897 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 41.160 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 55.059 ms
Loss rate: 0.35%

Run 9: Report of TCP Vegas — Data Link

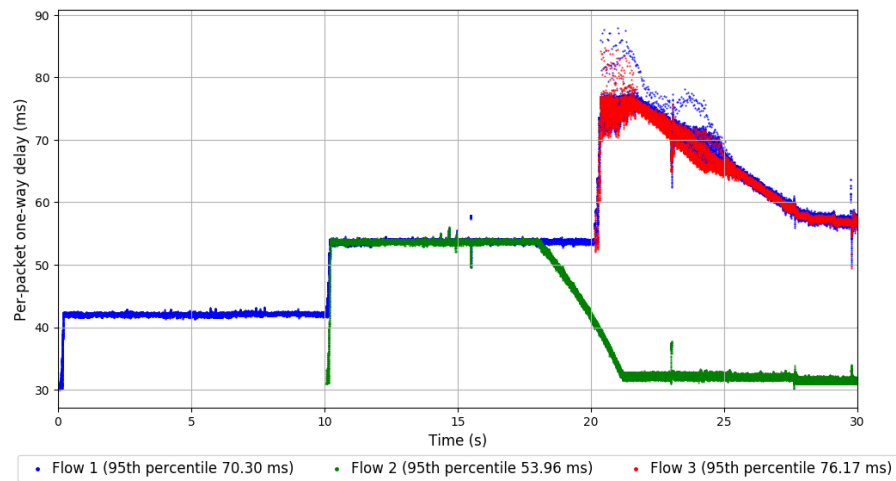
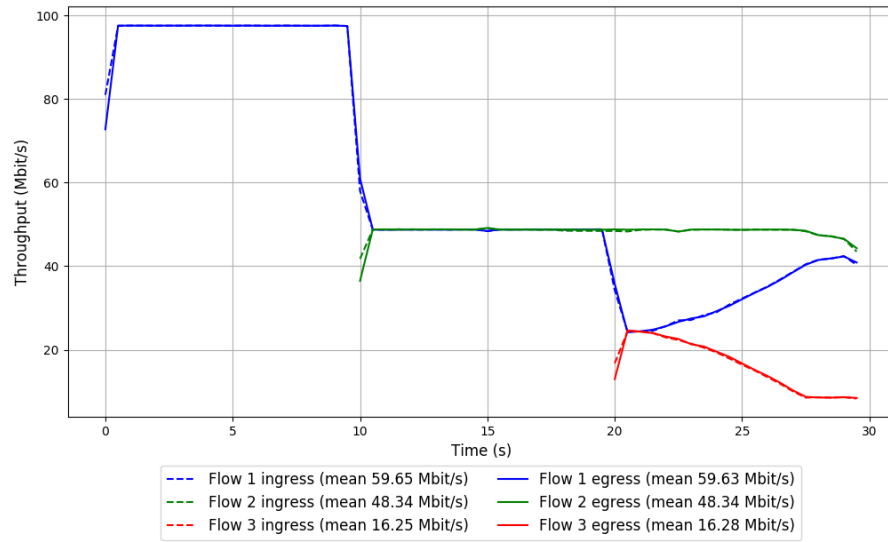


Run 10: Statistics of TCP Vegas

Start at: 2017-12-11 22:36:42
End at: 2017-12-11 22:37:12
Local clock offset: 3.057 ms
Remote clock offset: -13.617 ms

Below is generated by plot.py at 2017-12-12 01:48:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 71.164 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 70.299 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 53.956 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 16.28 Mbit/s
95th percentile per-packet one-way delay: 76.166 ms
Loss rate: 0.25%

Run 10: Report of TCP Vegas — Data Link

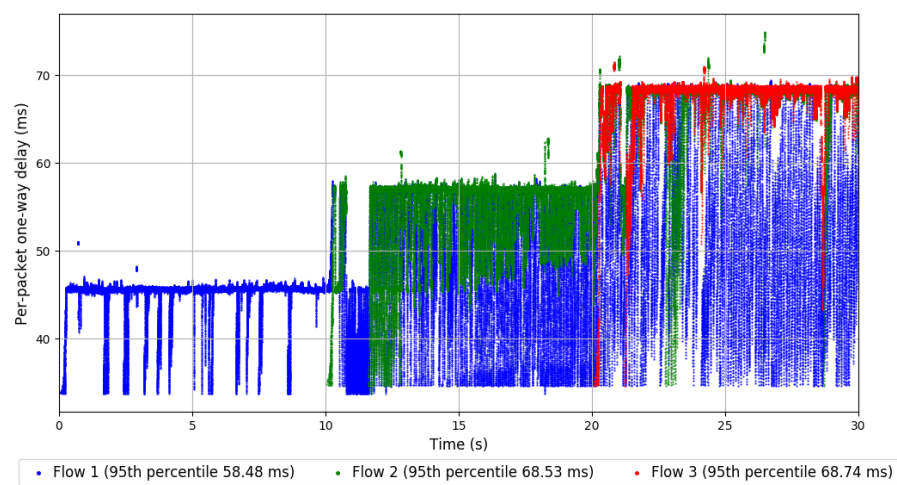
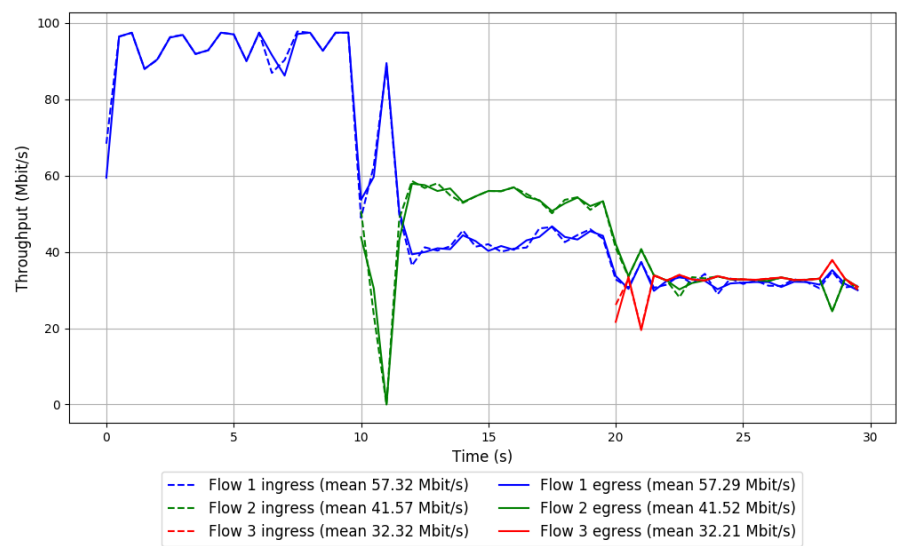


Run 1: Statistics of Verus

Start at: 2017-12-11 19:57:59
End at: 2017-12-11 19:58:29
Local clock offset: 3.87 ms
Remote clock offset: -14.486 ms

Below is generated by plot.py at 2017-12-12 01:48:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 68.563 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 58.481 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 68.533 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 68.738 ms
Loss rate: 0.59%

Run 1: Report of Verus — Data Link

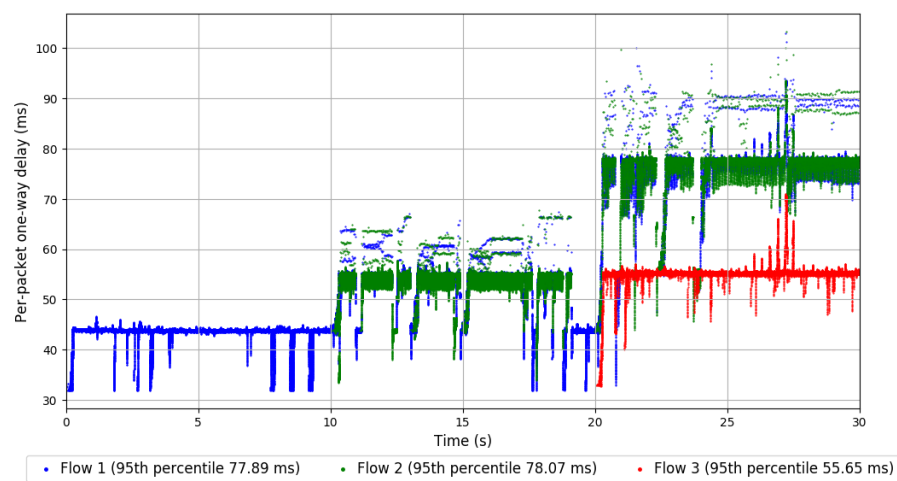
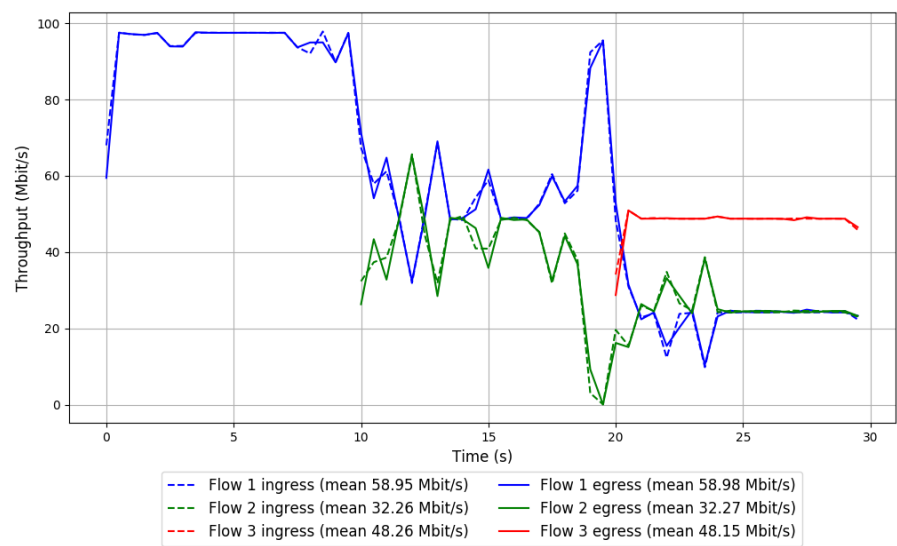


Run 2: Statistics of Verus

Start at: 2017-12-11 20:15:28
End at: 2017-12-11 20:15:58
Local clock offset: 2.105 ms
Remote clock offset: -14.218 ms

Below is generated by plot.py at 2017-12-12 01:48:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 77.938 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 77.888 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 78.071 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 48.15 Mbit/s
95th percentile per-packet one-way delay: 55.651 ms
Loss rate: 0.49%

Run 2: Report of Verus — Data Link

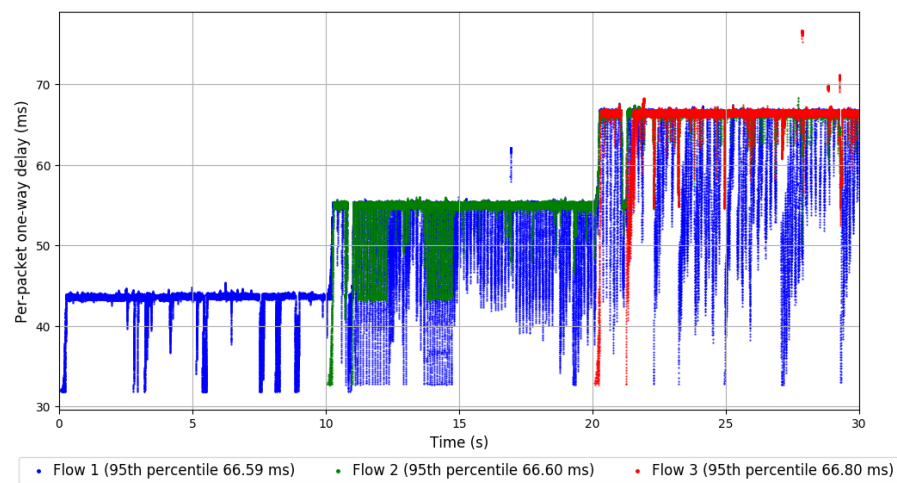
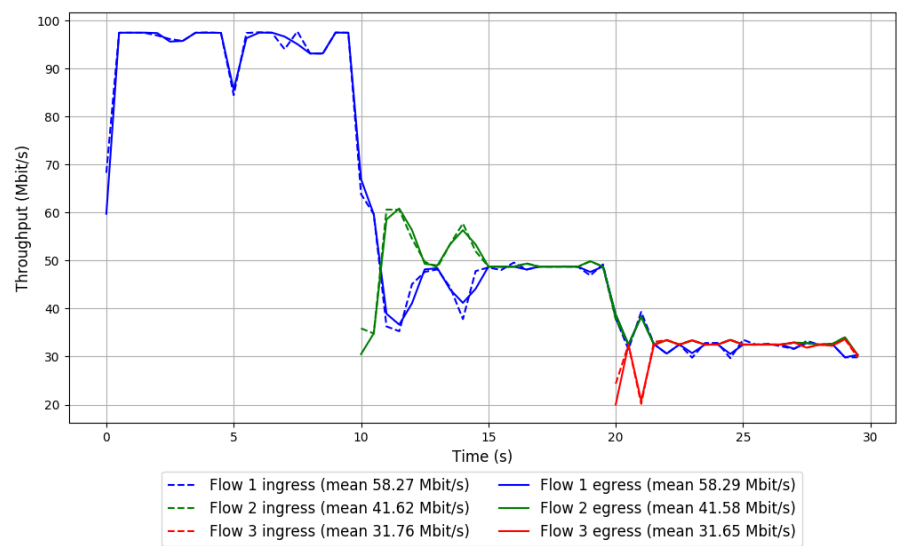


Run 3: Statistics of Verus

Start at: 2017-12-11 20:32:42
End at: 2017-12-11 20:33:12
Local clock offset: 3.635 ms
Remote clock offset: -12.772 ms

Below is generated by plot.py at 2017-12-12 01:48:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 66.675 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 66.592 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 41.58 Mbit/s
95th percentile per-packet one-way delay: 66.601 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 66.795 ms
Loss rate: 0.61%

Run 3: Report of Verus — Data Link

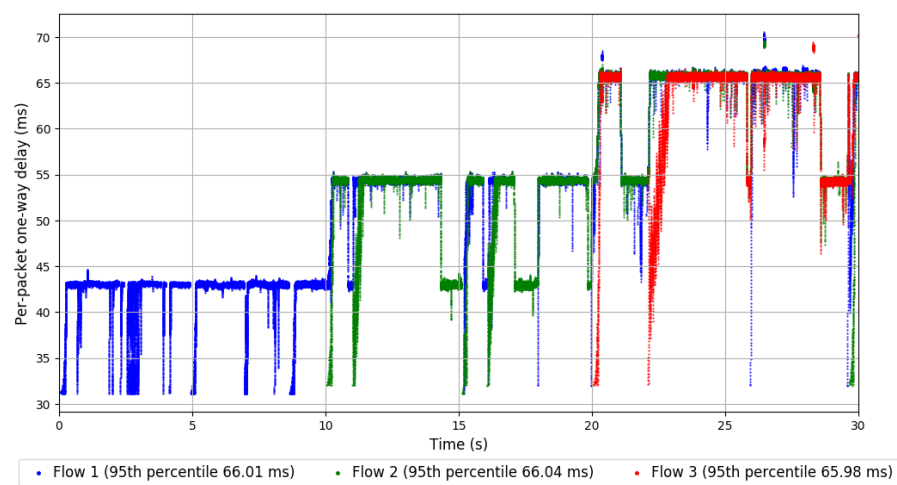
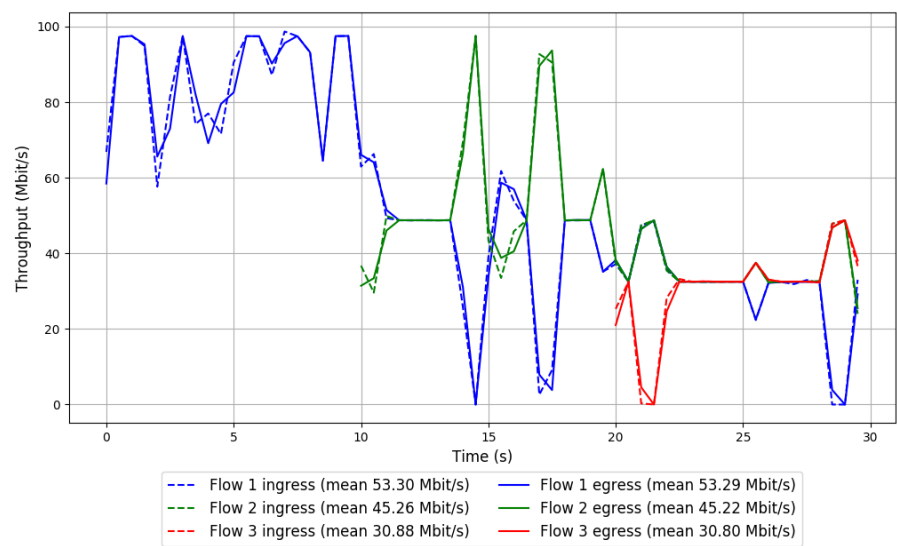


Run 4: Statistics of Verus

Start at: 2017-12-11 20:49:35
End at: 2017-12-11 20:50:05
Local clock offset: 5.175 ms
Remote clock offset: -11.154 ms

Below is generated by plot.py at 2017-12-12 01:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 66.022 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 66.014 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 66.043 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 65.983 ms
Loss rate: 0.62%

Run 4: Report of Verus — Data Link

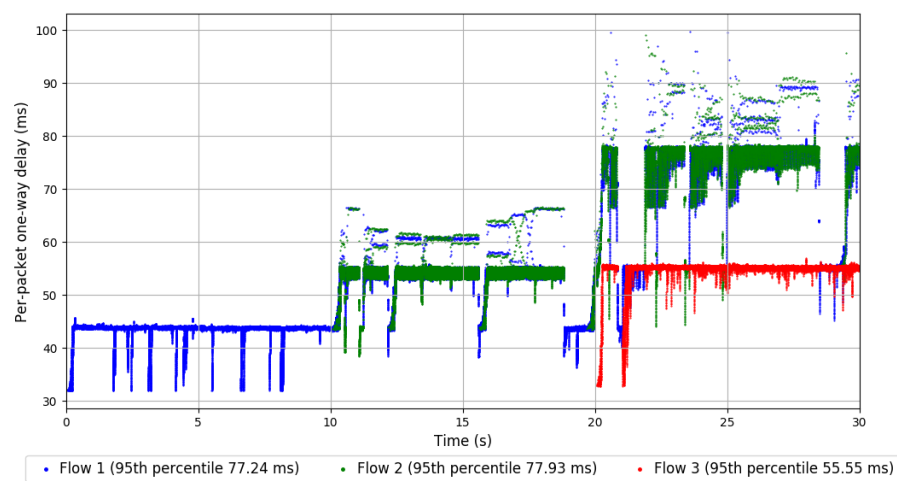
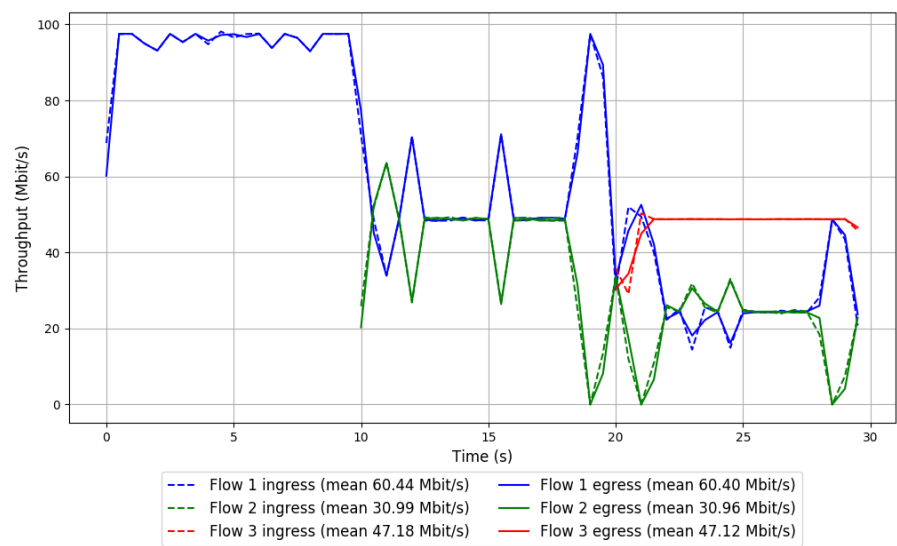


Run 5: Statistics of Verus

Start at: 2017-12-11 21:06:24
End at: 2017-12-11 21:06:54
Local clock offset: 5.562 ms
Remote clock offset: -12.421 ms

Below is generated by plot.py at 2017-12-12 01:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 77.624 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 77.244 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 77.930 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 47.12 Mbit/s
95th percentile per-packet one-way delay: 55.550 ms
Loss rate: 0.49%

Run 5: Report of Verus — Data Link

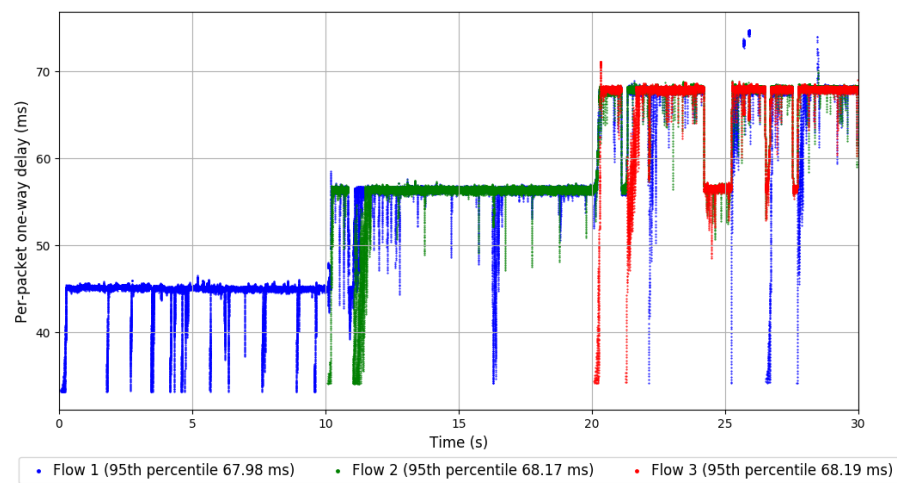
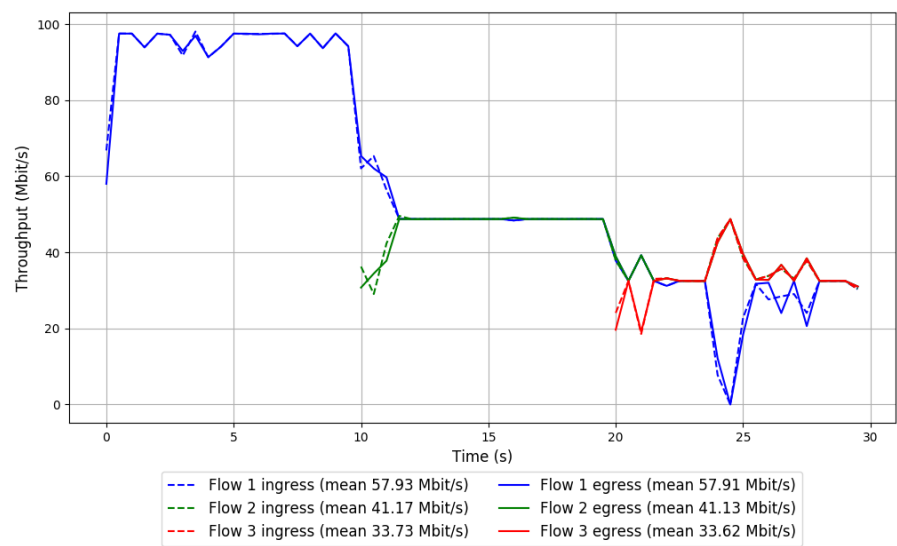


Run 6: Statistics of Verus

Start at: 2017-12-11 21:23:08
End at: 2017-12-11 21:23:38
Local clock offset: 6.546 ms
Remote clock offset: -12.365 ms

Below is generated by plot.py at 2017-12-12 01:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 68.122 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 67.978 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 41.13 Mbit/s
95th percentile per-packet one-way delay: 68.174 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 68.194 ms
Loss rate: 0.56%

Run 6: Report of Verus — Data Link

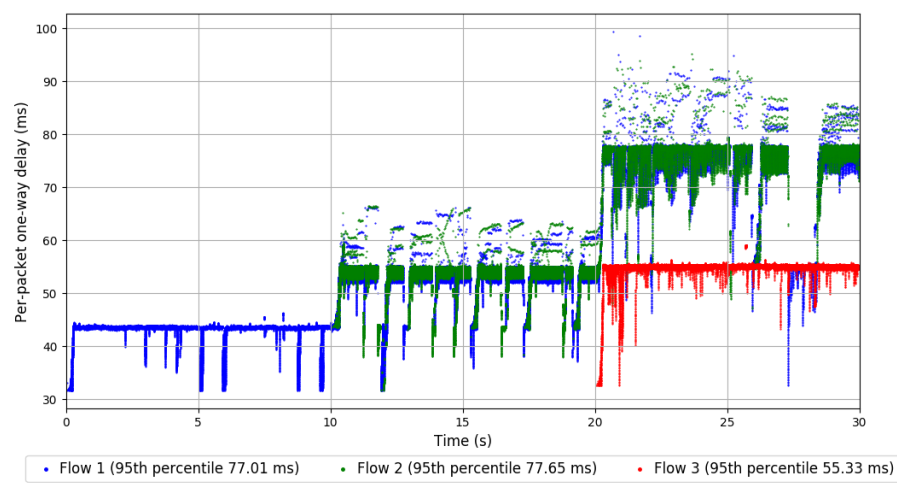
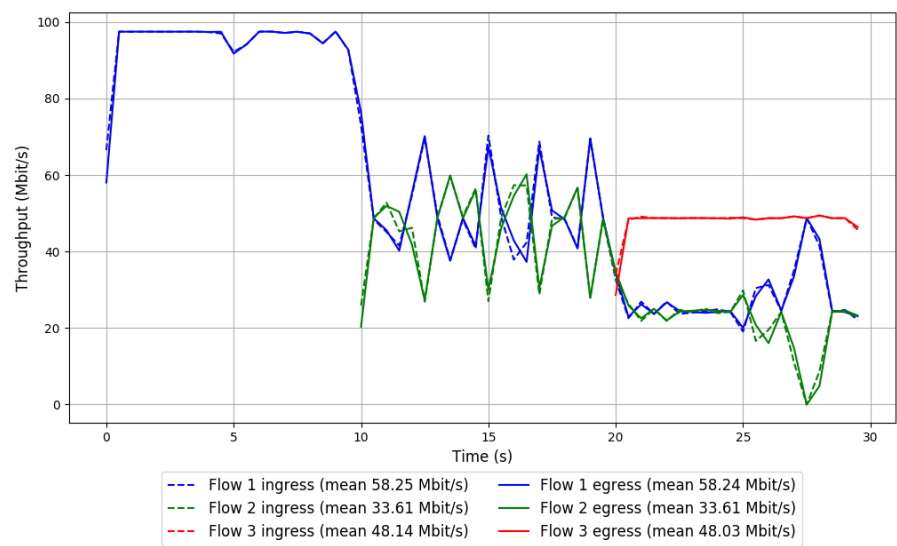


Run 7: Statistics of Verus

Start at: 2017-12-11 21:39:51
End at: 2017-12-11 21:40:21
Local clock offset: 4.237 ms
Remote clock offset: -12.875 ms

Below is generated by plot.py at 2017-12-12 01:49:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 77.369 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.24 Mbit/s
95th percentile per-packet one-way delay: 77.011 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 77.650 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 55.327 ms
Loss rate: 0.49%

Run 7: Report of Verus — Data Link

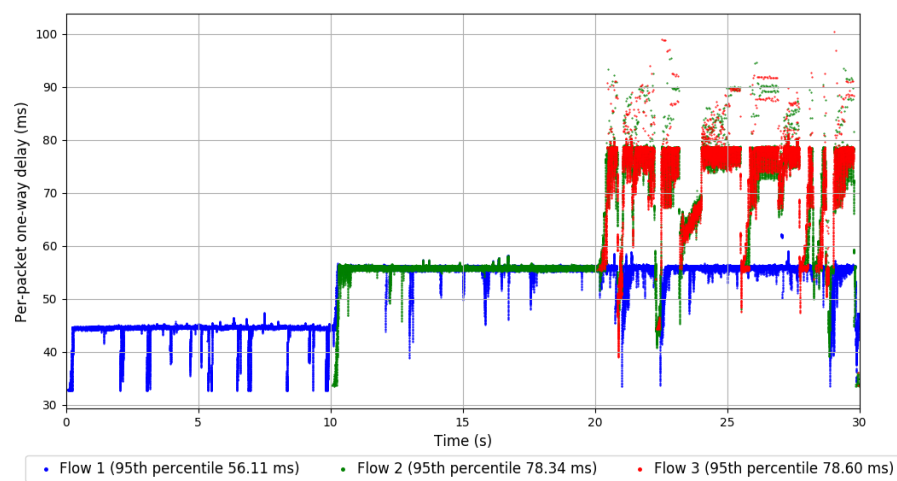
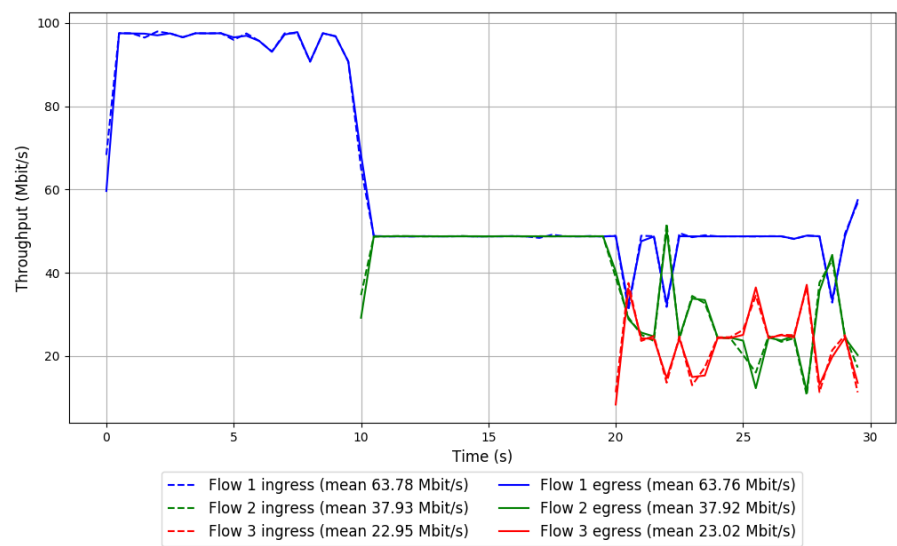


Run 8: Statistics of Verus

Start at: 2017-12-11 21:57:10
End at: 2017-12-11 21:57:40
Local clock offset: 5.984 ms
Remote clock offset: -11.735 ms

Below is generated by plot.py at 2017-12-12 01:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 77.785 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 63.76 Mbit/s
95th percentile per-packet one-way delay: 56.106 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.92 Mbit/s
95th percentile per-packet one-way delay: 78.337 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 23.02 Mbit/s
95th percentile per-packet one-way delay: 78.598 ms
Loss rate: 0.37%

Run 8: Report of Verus — Data Link

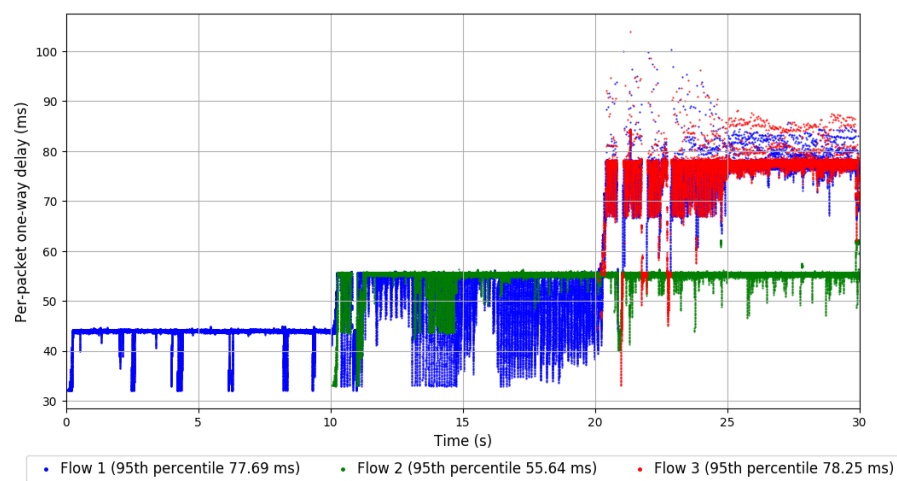
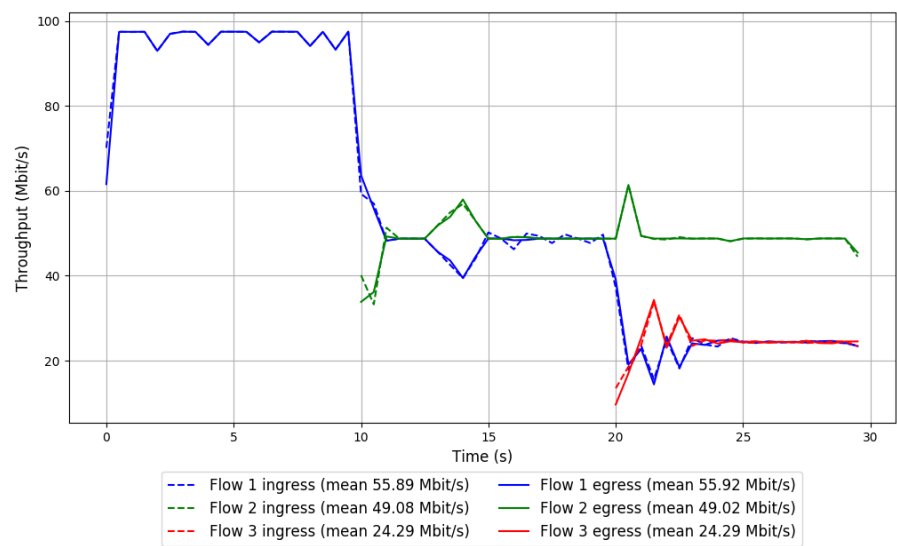


Run 9: Statistics of Verus

Start at: 2017-12-11 22:13:58
End at: 2017-12-11 22:14:28
Local clock offset: 6.46 ms
Remote clock offset: -12.634 ms

Below is generated by plot.py at 2017-12-12 01:49:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.59 Mbit/s
95th percentile per-packet one-way delay: 77.787 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 77.685 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 55.642 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 78.253 ms
Loss rate: 0.61%

Run 9: Report of Verus — Data Link

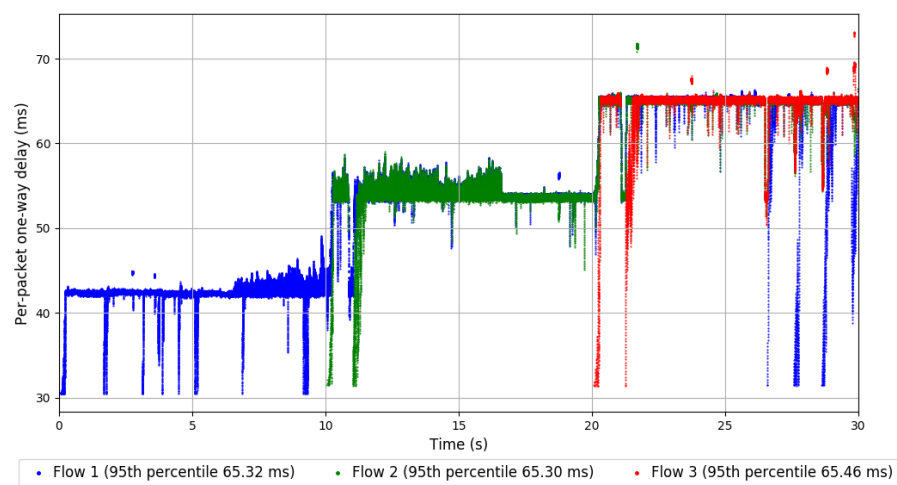
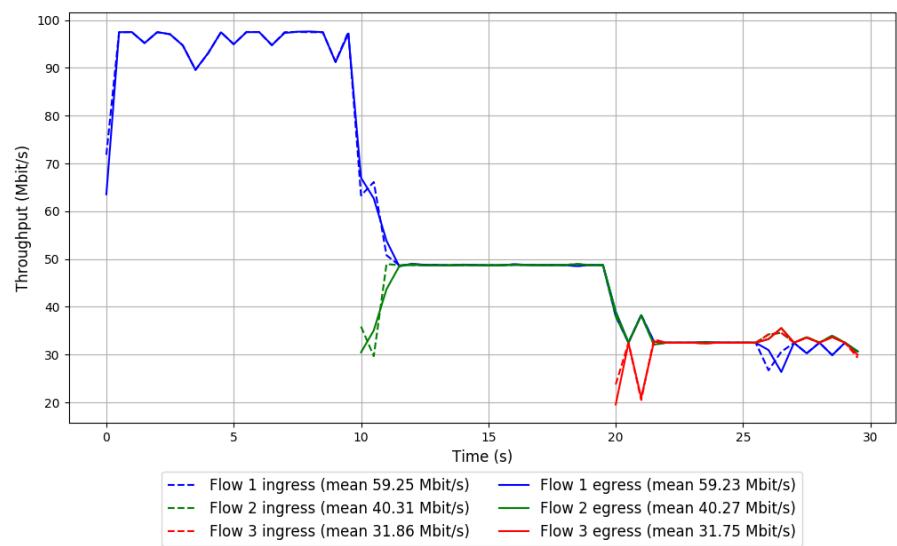


Run 10: Statistics of Verus

Start at: 2017-12-11 22:30:43
End at: 2017-12-11 22:31:13
Local clock offset: 5.559 ms
Remote clock offset: -11.377 ms

Below is generated by plot.py at 2017-12-12 01:49:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 65.347 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 65.316 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 65.295 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 65.462 ms
Loss rate: 0.57%

Run 10: Report of Verus — Data Link

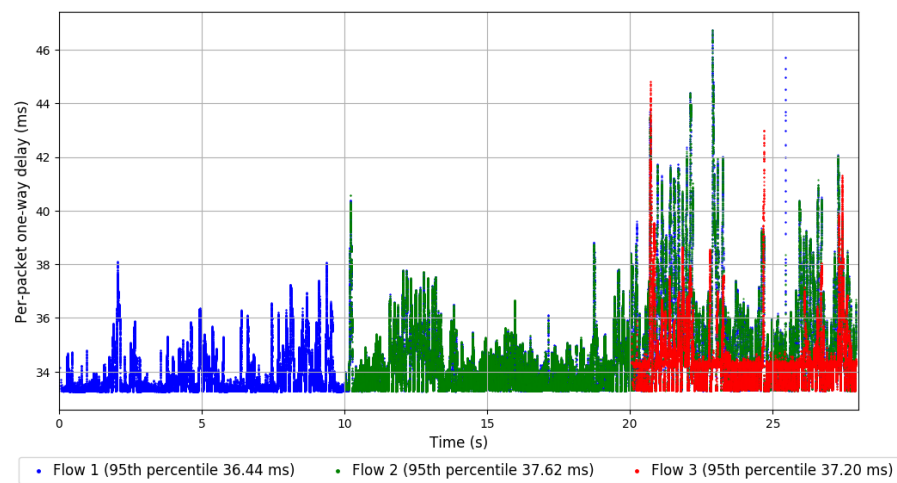
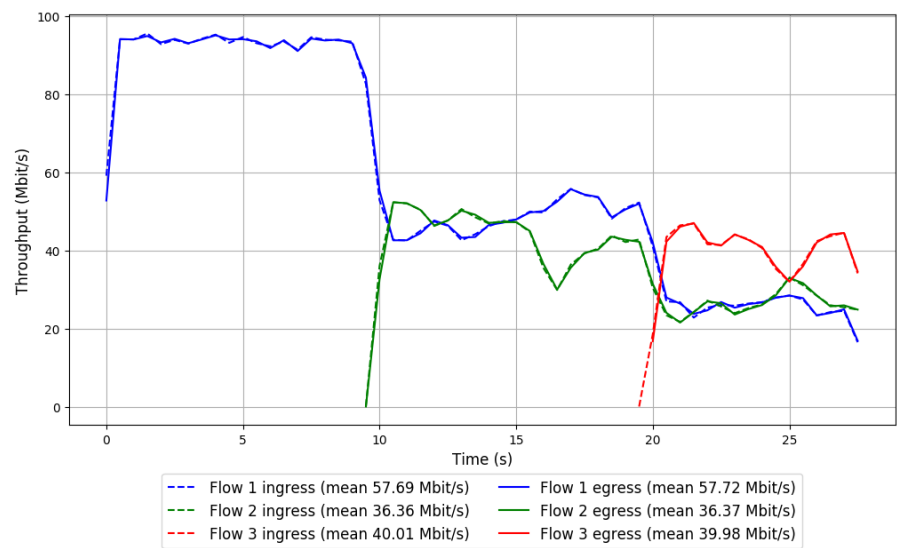


Run 1: Statistics of Copa

Start at: 2017-12-11 20:12:58
End at: 2017-12-11 20:13:28
Local clock offset: 2.911 ms
Remote clock offset: -14.987 ms

Below is generated by plot.py at 2017-12-12 01:50:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 36.848 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 36.444 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 37.623 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 37.205 ms
Loss rate: 0.37%

Run 1: Report of Copa — Data Link

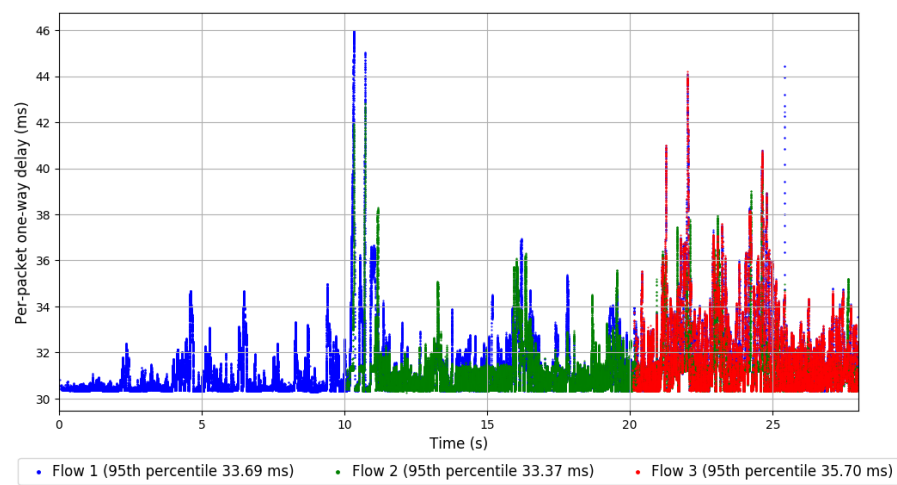
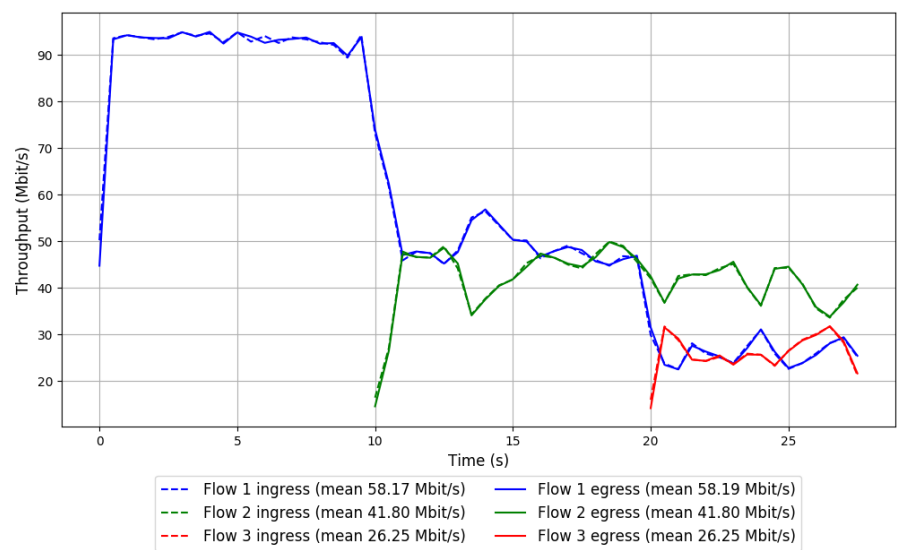


Run 2: Statistics of Copa

Start at: 2017-12-11 20:30:17
End at: 2017-12-11 20:30:47
Local clock offset: 2.458 ms
Remote clock offset: -12.249 ms

Below is generated by plot.py at 2017-12-12 01:50:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 33.877 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 33.685 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 33.365 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 35.703 ms
Loss rate: 0.30%

Run 2: Report of Copa — Data Link

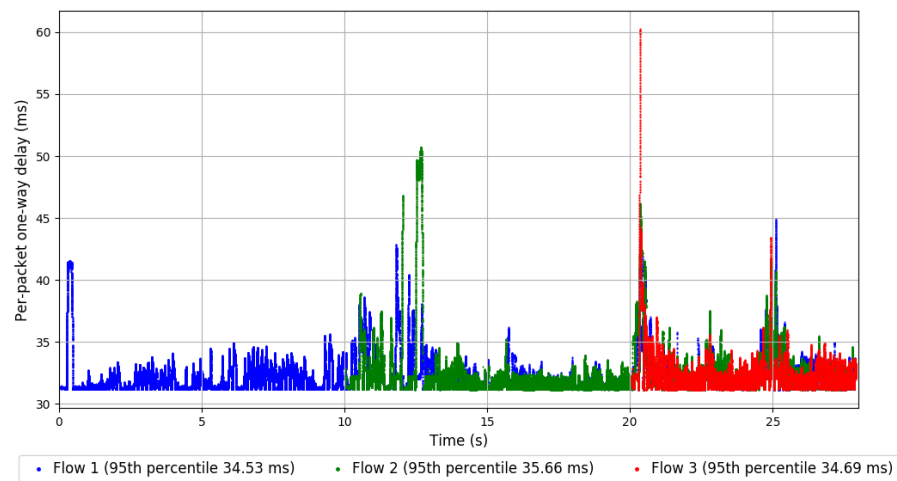
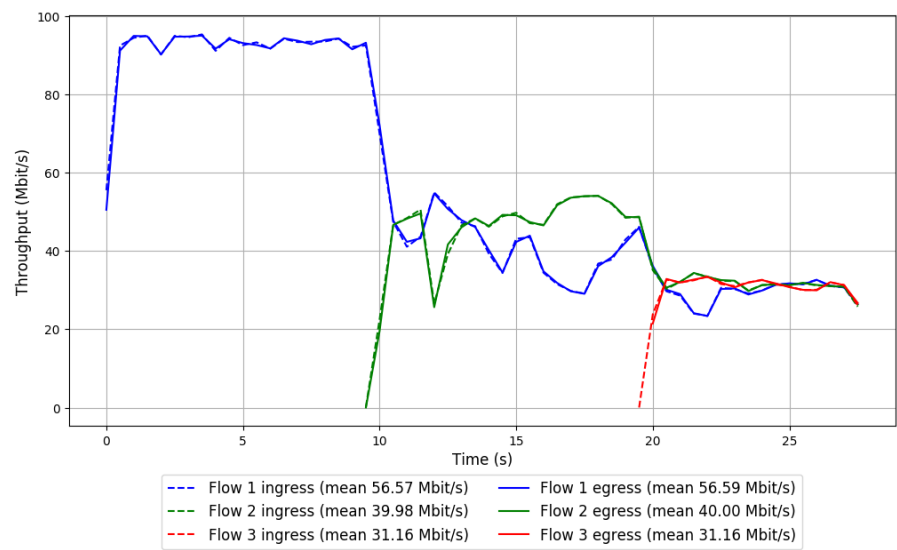


Run 3: Statistics of Copa

Start at: 2017-12-11 20:47:10
End at: 2017-12-11 20:47:40
Local clock offset: 3.028 ms
Remote clock offset: -13.155 ms

Below is generated by plot.py at 2017-12-12 01:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 34.890 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.59 Mbit/s
95th percentile per-packet one-way delay: 34.533 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 35.665 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.16 Mbit/s
95th percentile per-packet one-way delay: 34.685 ms
Loss rate: 0.30%

Run 3: Report of Copa — Data Link

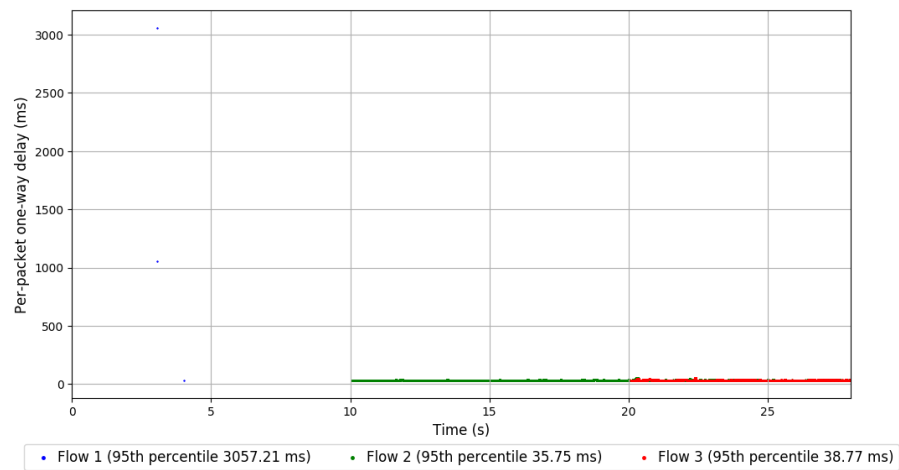
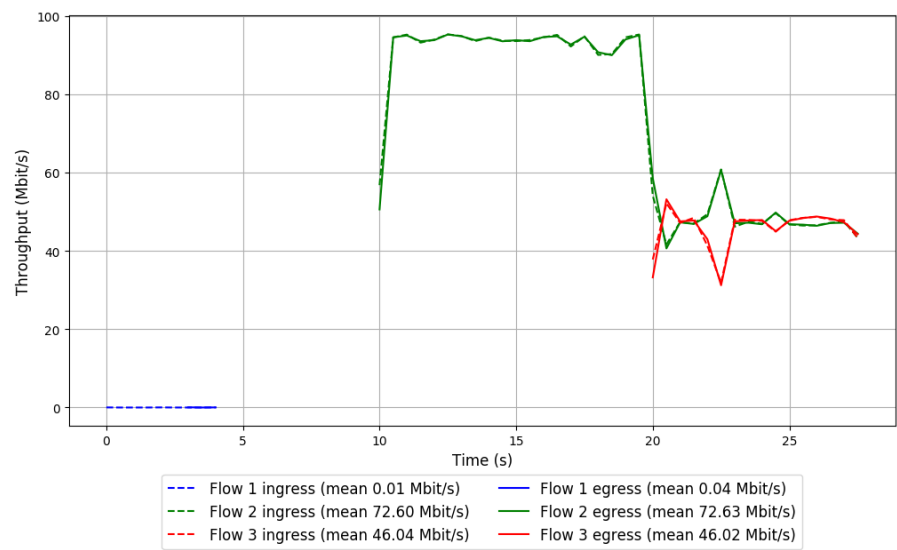


Run 4: Statistics of Copa

Start at: 2017-12-11 21:04:02
End at: 2017-12-11 21:04:32
Local clock offset: 5.799 ms
Remote clock offset: -12.721 ms

Below is generated by plot.py at 2017-12-12 01:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 36.303 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 3057.207 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.63 Mbit/s
95th percentile per-packet one-way delay: 35.750 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 38.770 ms
Loss rate: 0.34%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

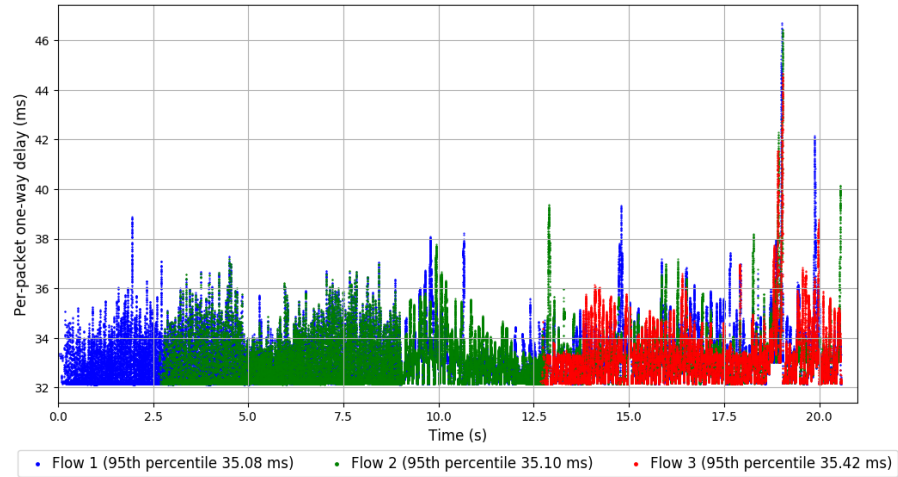
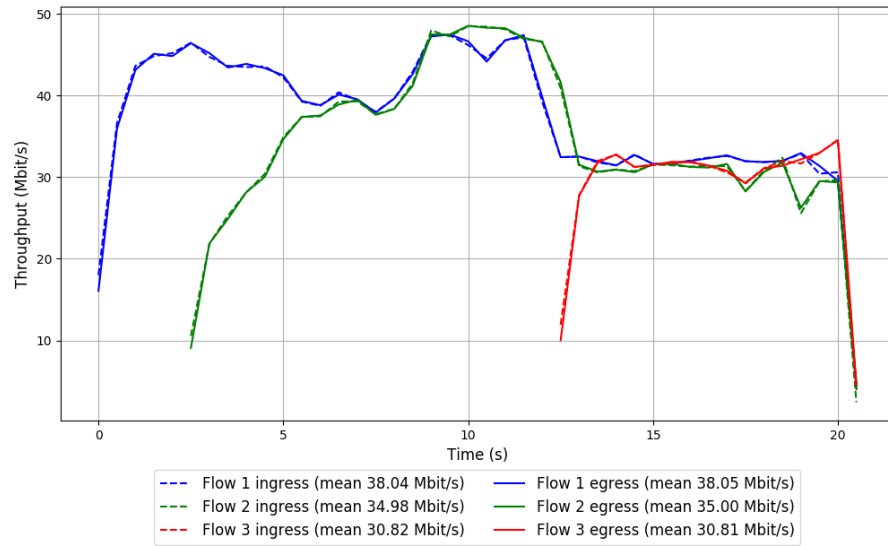
Start at: 2017-12-11 21:20:45

End at: 2017-12-11 21:21:15

Local clock offset: 5.501 ms

Remote clock offset: -12.482 ms

Run 5: Report of Copa — Data Link

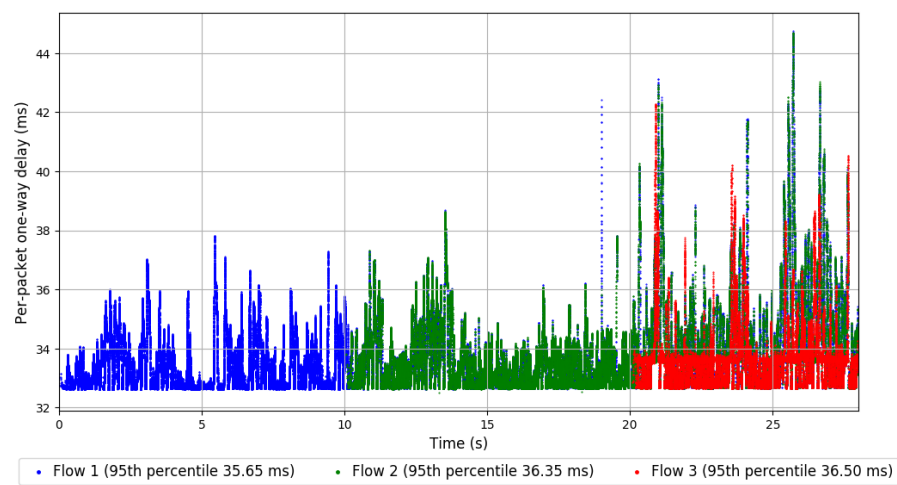
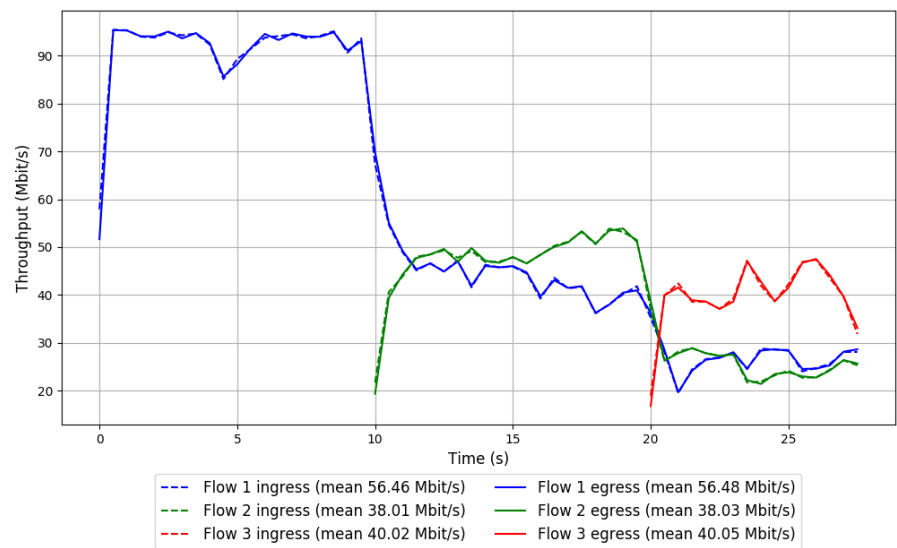


Run 6: Statistics of Copa

Start at: 2017-12-11 21:37:27
End at: 2017-12-11 21:37:57
Local clock offset: 6.21 ms
Remote clock offset: -12.054 ms

Below is generated by plot.py at 2017-12-12 01:51:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 35.892 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 35.649 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 36.353 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 36.501 ms
Loss rate: 0.22%

Run 6: Report of Copa — Data Link

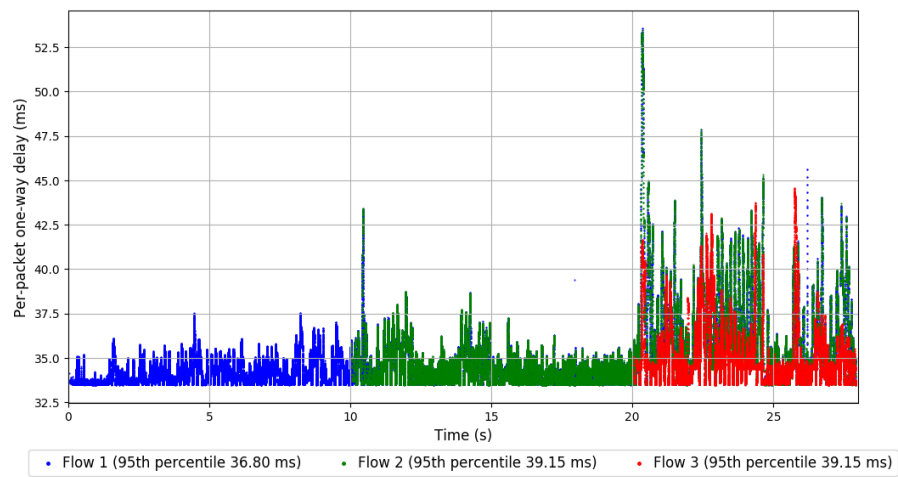
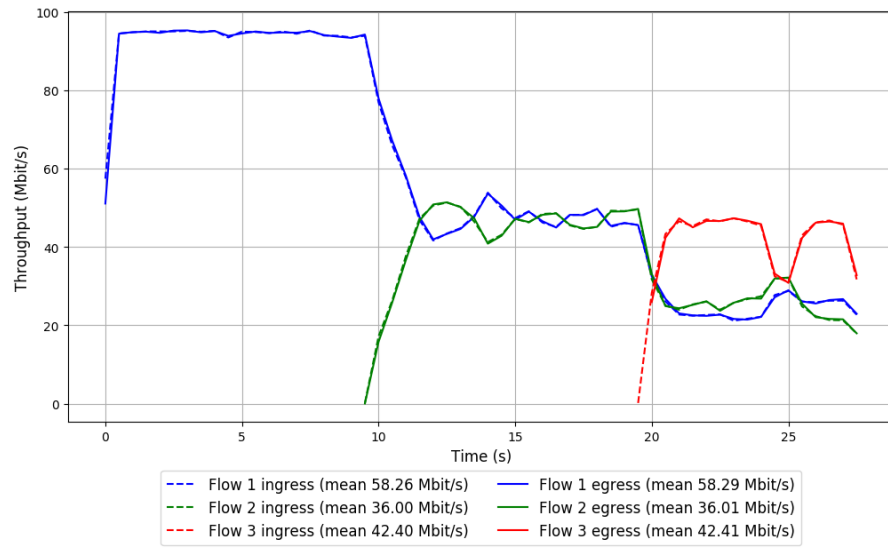


Run 7: Statistics of Copa

Start at: 2017-12-11 21:54:43
End at: 2017-12-11 21:55:13
Local clock offset: 7.302 ms
Remote clock offset: -11.085 ms

Below is generated by plot.py at 2017-12-12 01:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 37.997 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 36.799 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 39.153 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 42.41 Mbit/s
95th percentile per-packet one-way delay: 39.152 ms
Loss rate: 0.27%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

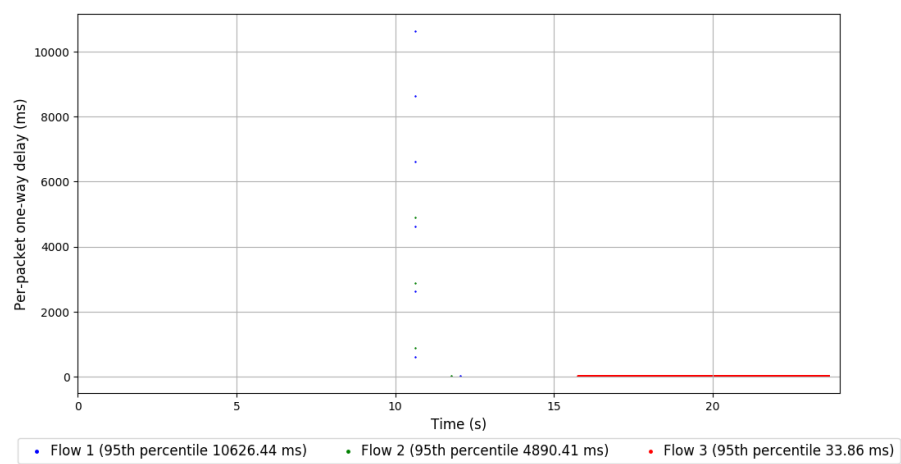
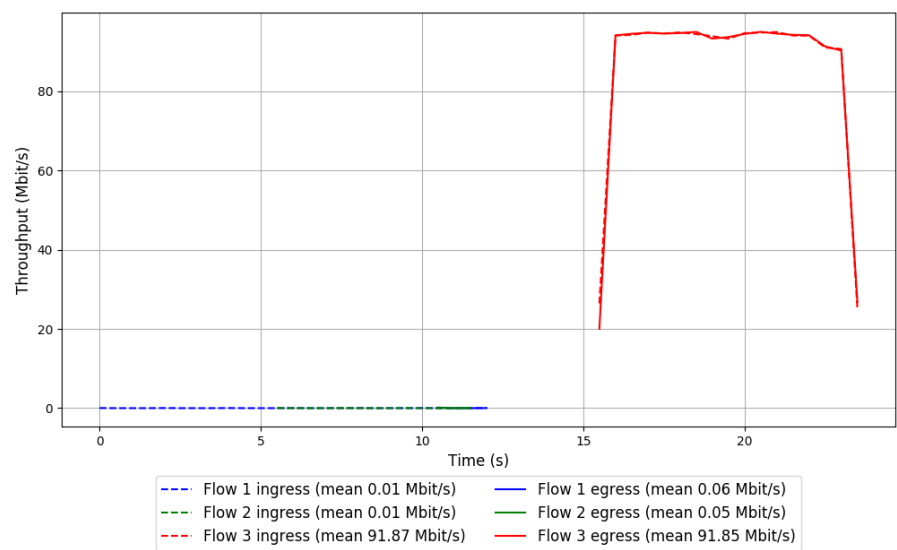
Start at: 2017-12-11 22:11:42

End at: 2017-12-11 22:12:12

Local clock offset: 6.566 ms

Remote clock offset: -12.285 ms

Run 8: Report of Copa — Data Link

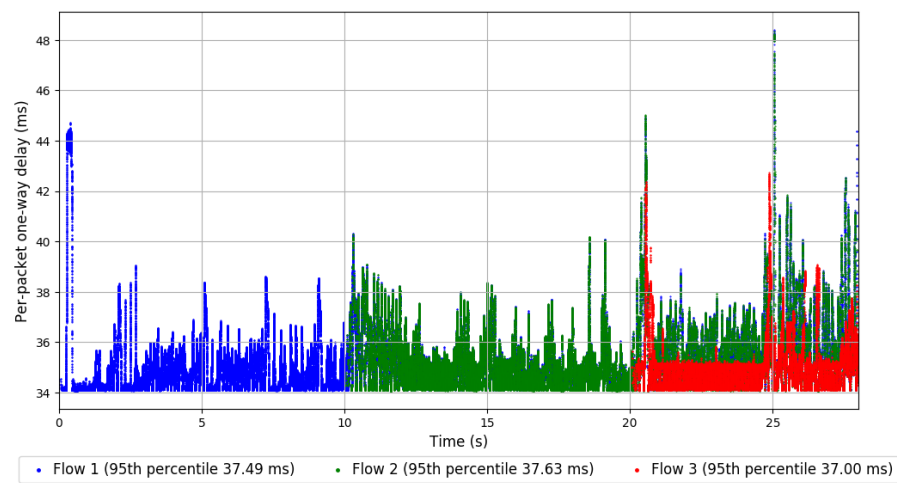
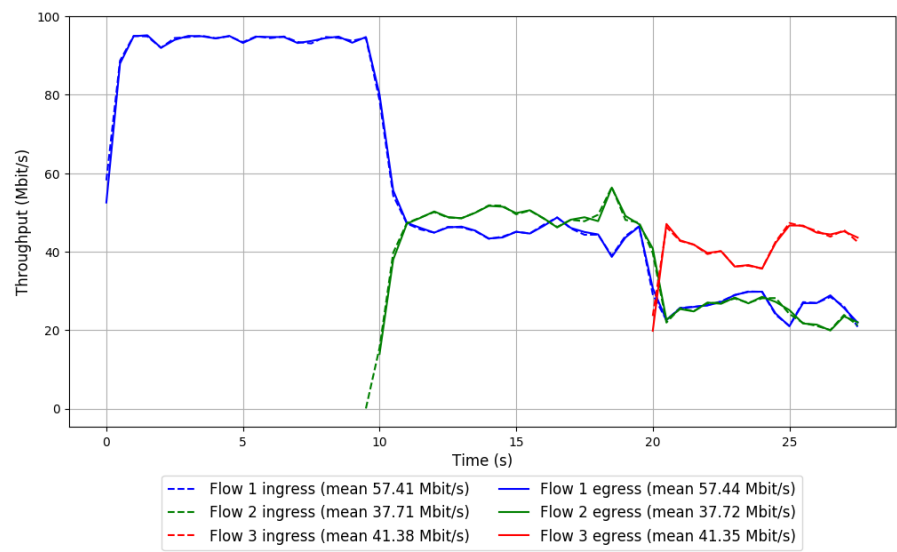


Run 9: Statistics of Copa

Start at: 2017-12-11 22:28:19
End at: 2017-12-11 22:28:49
Local clock offset: 5.903 ms
Remote clock offset: -14.726 ms

Below is generated by plot.py at 2017-12-12 01:52:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 37.494 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 37.487 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 37.632 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 41.35 Mbit/s
95th percentile per-packet one-way delay: 36.996 ms
Loss rate: 0.35%

Run 9: Report of Copa — Data Link

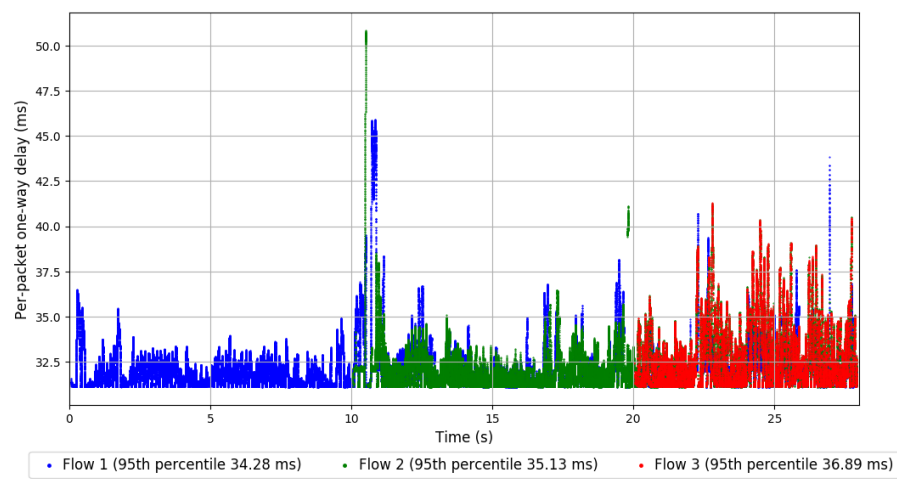
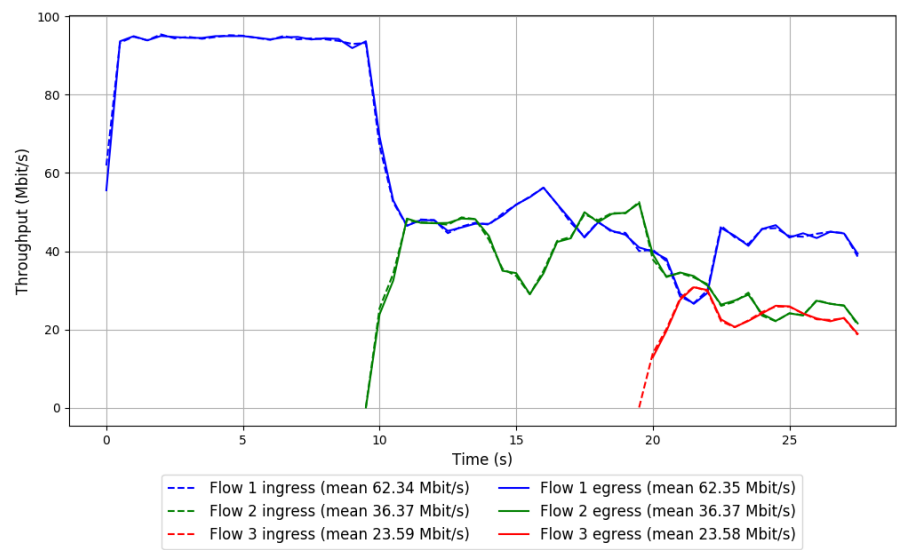


Run 10: Statistics of Copa

Start at: 2017-12-11 22:44:54
End at: 2017-12-11 22:45:24
Local clock offset: 4.702 ms
Remote clock offset: -14.03 ms

Below is generated by plot.py at 2017-12-12 01:52:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 34.819 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 62.35 Mbit/s
95th percentile per-packet one-way delay: 34.277 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 35.129 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 36.889 ms
Loss rate: 0.34%

Run 10: Report of Copa — Data Link

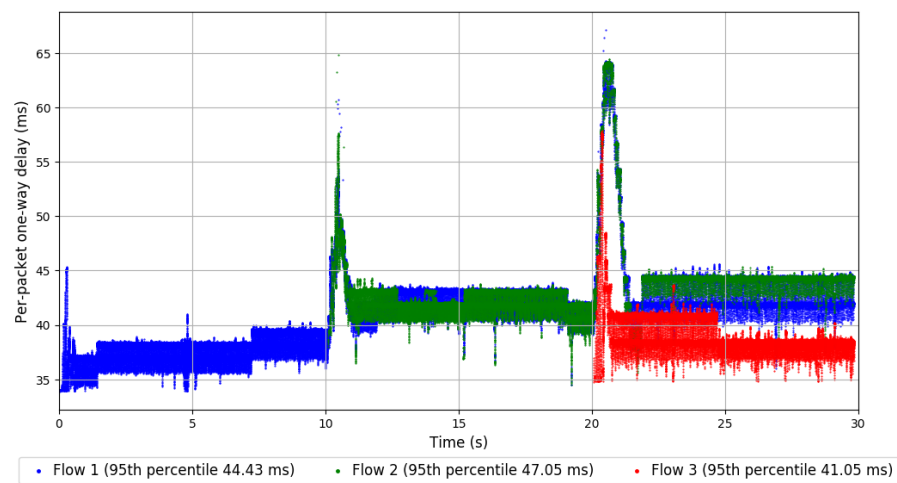
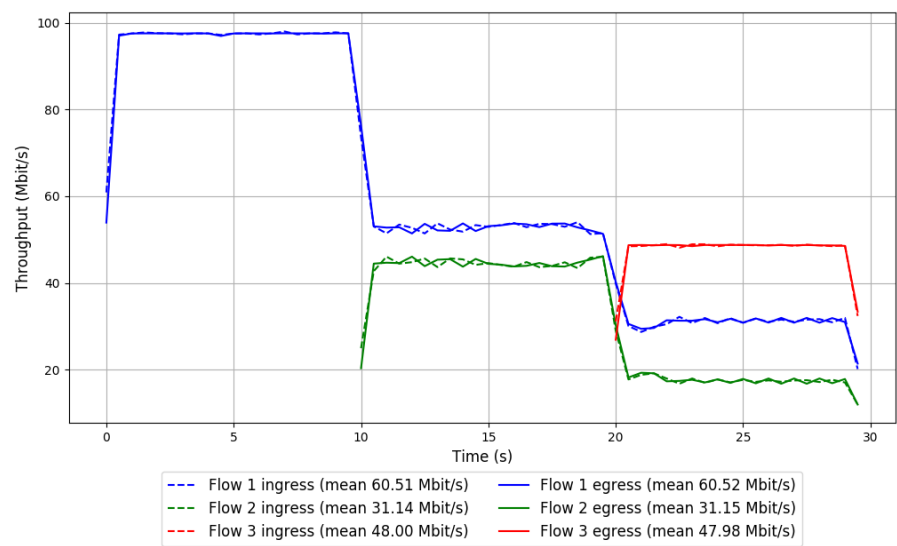


```
Run 1: Statistics of Indigo

Start at: 2017-12-11 20:02:56
End at: 2017-12-11 20:03:26
Local clock offset: 4.177 ms
Remote clock offset: -14.651 ms

# Below is generated by plot.py at 2017-12-12 01:52:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 44.457 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 60.52 Mbit/s
95th percentile per-packet one-way delay: 44.426 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 47.047 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 47.98 Mbit/s
95th percentile per-packet one-way delay: 41.050 ms
Loss rate: 0.29%
```


Run 1: Report of Indigo — Data Link

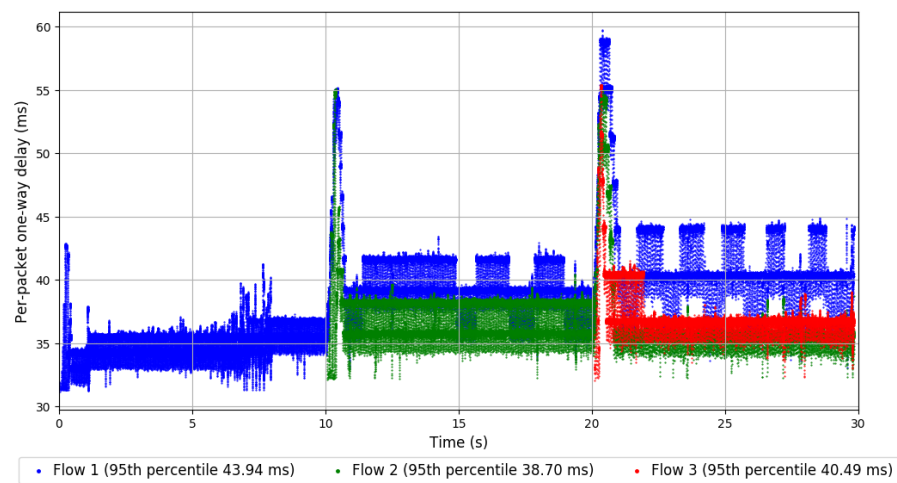
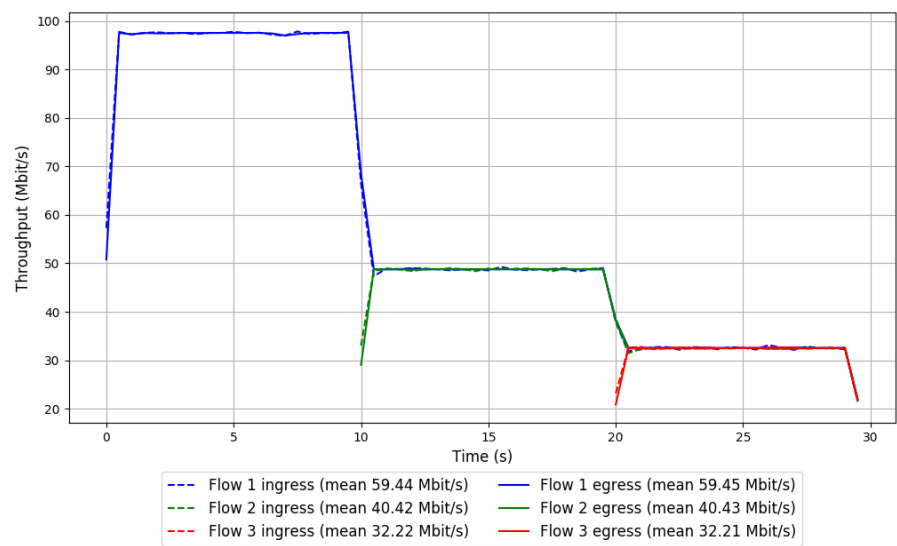


Run 2: Statistics of Indigo

Start at: 2017-12-11 20:20:41
End at: 2017-12-11 20:21:11
Local clock offset: 1.695 ms
Remote clock offset: -14.066 ms

Below is generated by plot.py at 2017-12-12 01:52:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 42.839 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 43.936 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 38.700 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 40.490 ms
Loss rate: 0.30%

Run 2: Report of Indigo — Data Link

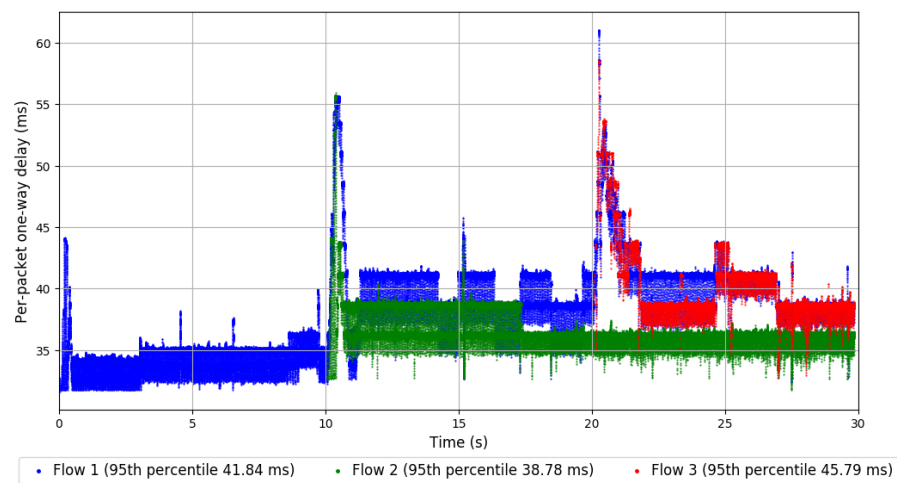
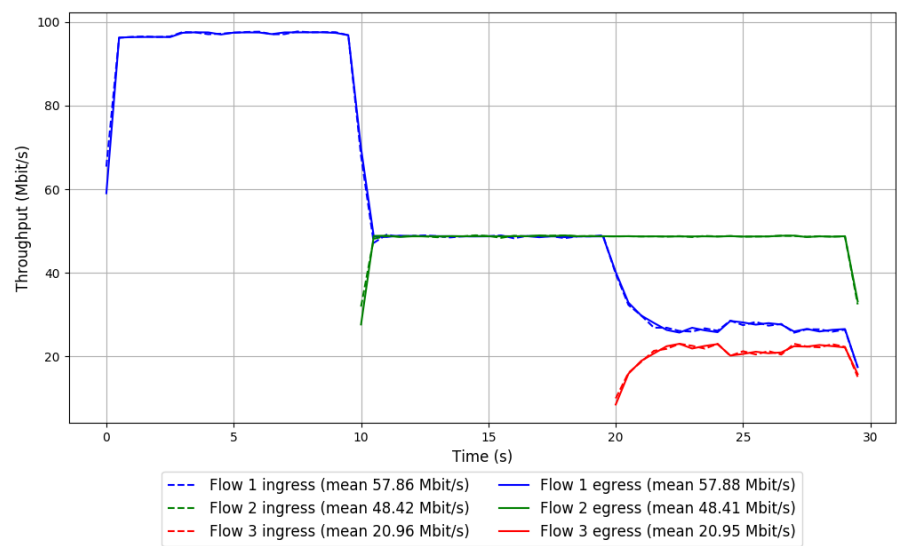


Run 3: Statistics of Indigo

Start at: 2017-12-11 20:37:37
End at: 2017-12-11 20:38:07
Local clock offset: 2.691 ms
Remote clock offset: -13.888 ms

Below is generated by plot.py at 2017-12-12 01:52:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 41.291 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 41.842 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 38.783 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 20.95 Mbit/s
95th percentile per-packet one-way delay: 45.789 ms
Loss rate: 0.35%

Run 3: Report of Indigo — Data Link

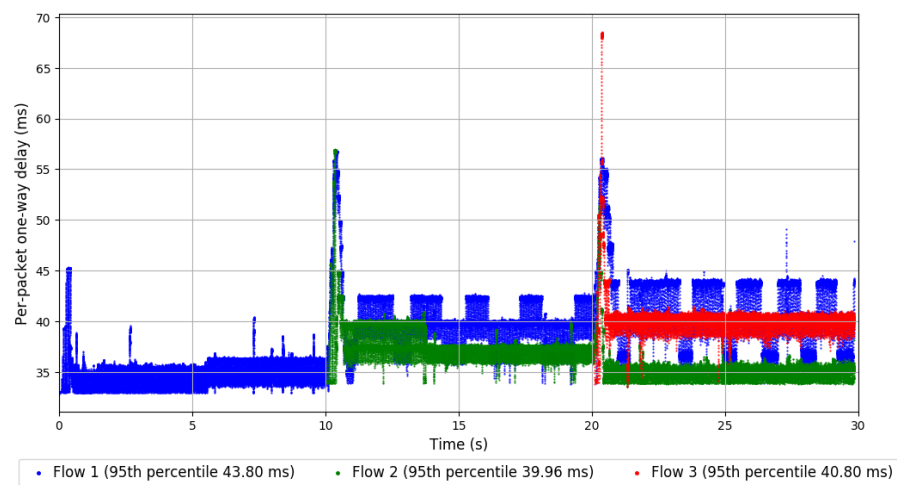
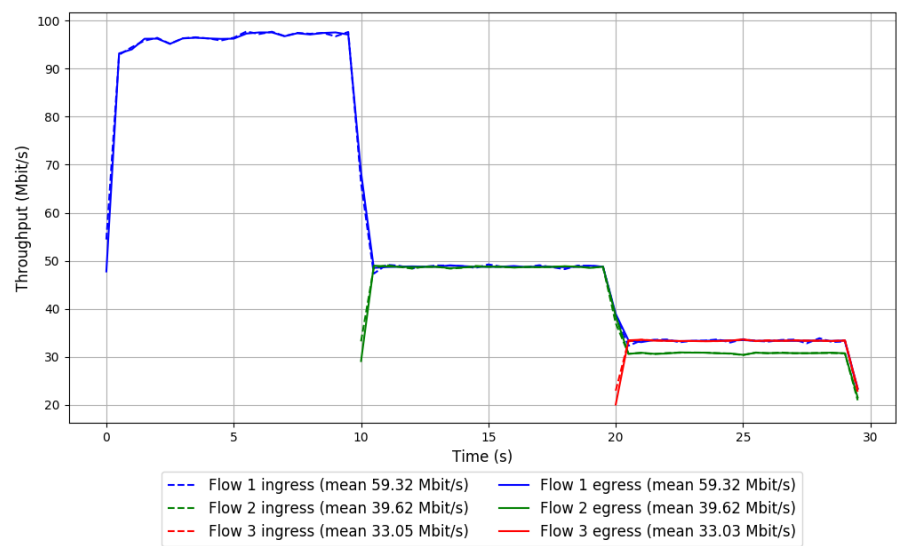


Run 4: Statistics of Indigo

Start at: 2017-12-11 20:54:18
End at: 2017-12-11 20:54:48
Local clock offset: 6.139 ms
Remote clock offset: -12.237 ms

Below is generated by plot.py at 2017-12-12 01:52:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 43.392 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 43.797 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 39.957 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 40.803 ms
Loss rate: 0.32%

Run 4: Report of Indigo — Data Link

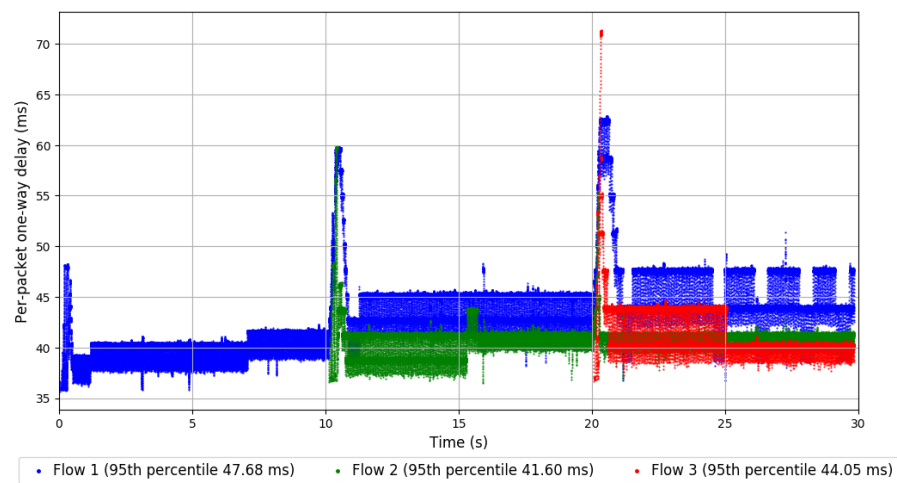
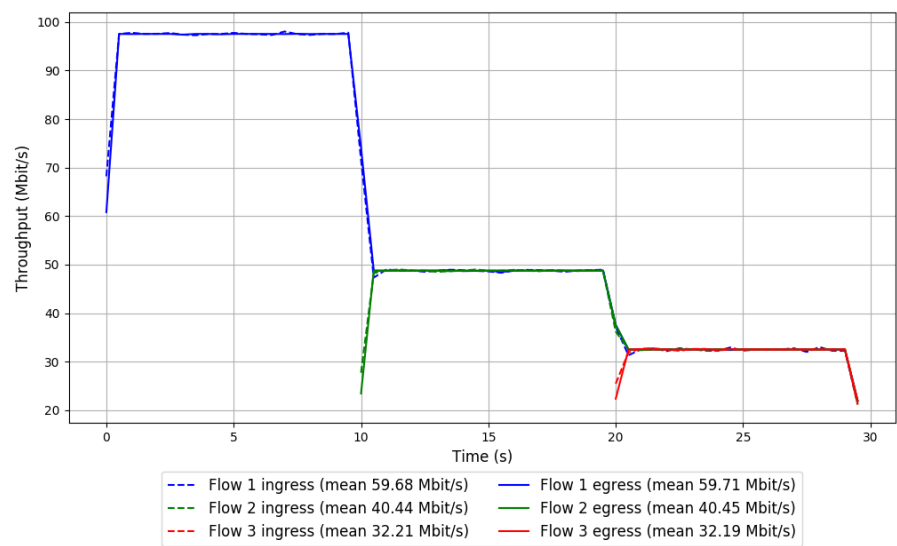


Run 5: Statistics of Indigo

Start at: 2017-12-11 21:11:12
End at: 2017-12-11 21:11:42
Local clock offset: 8.111 ms
Remote clock offset: -13.673 ms

Below is generated by plot.py at 2017-12-12 01:53:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: 47.487 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 47.679 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 41.604 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 44.050 ms
Loss rate: 0.29%

Run 5: Report of Indigo — Data Link

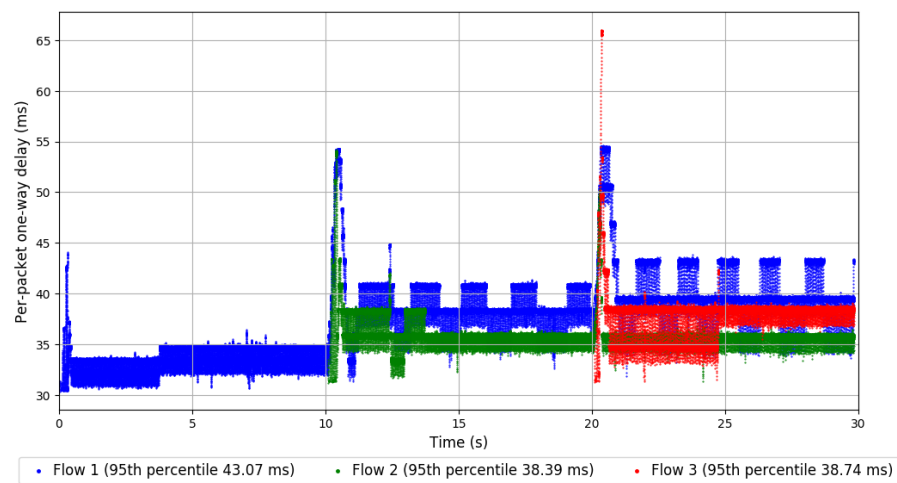
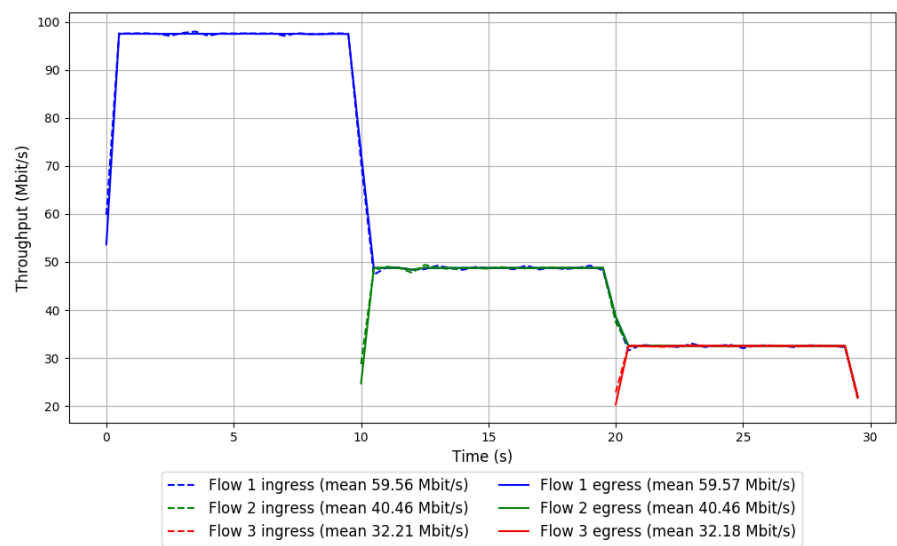


Run 6: Statistics of Indigo

Start at: 2017-12-11 21:27:57
End at: 2017-12-11 21:28:27
Local clock offset: 3.63 ms
Remote clock offset: -12.275 ms

Below is generated by plot.py at 2017-12-12 01:53:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 40.971 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 43.067 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 38.388 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 38.744 ms
Loss rate: 0.33%

Run 6: Report of Indigo — Data Link

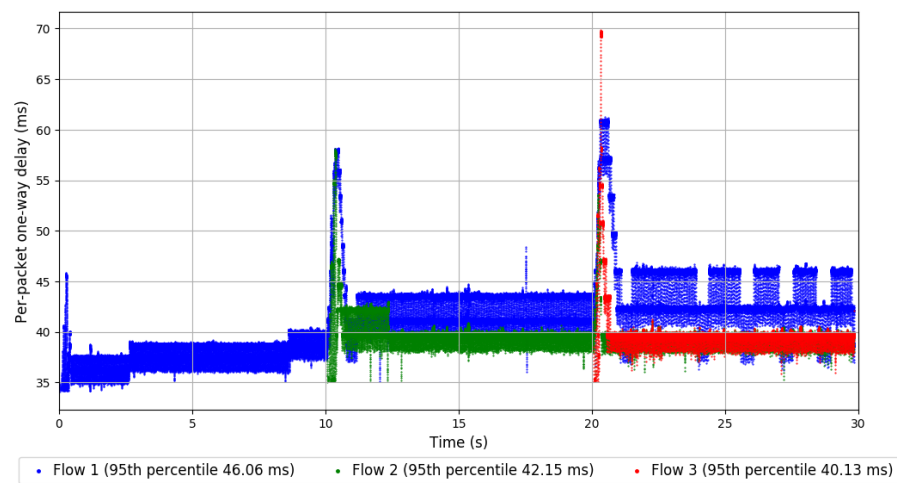
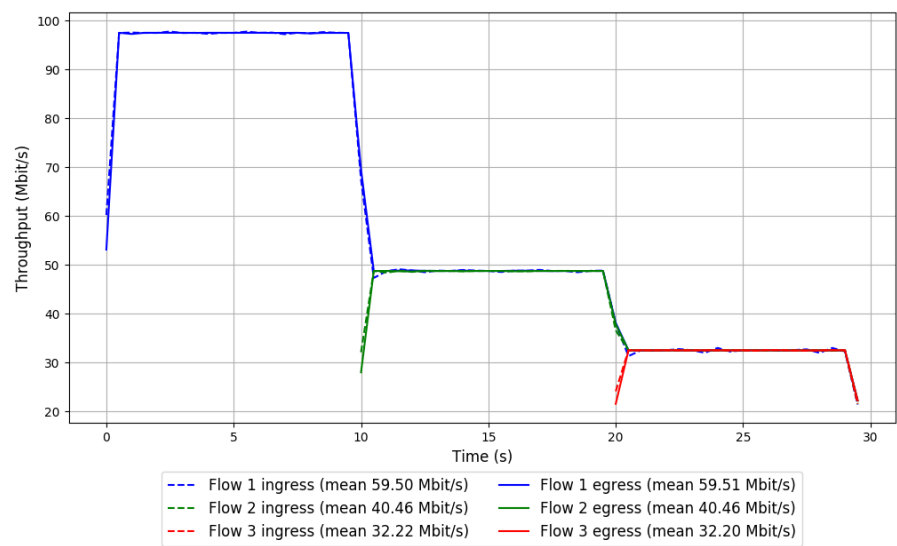


Run 7: Statistics of Indigo

Start at: 2017-12-11 21:44:44
End at: 2017-12-11 21:45:14
Local clock offset: 5.892 ms
Remote clock offset: -13.739 ms

Below is generated by plot.py at 2017-12-12 01:53:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 45.836 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 46.057 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 42.148 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 40.128 ms
Loss rate: 0.30%

Run 7: Report of Indigo — Data Link

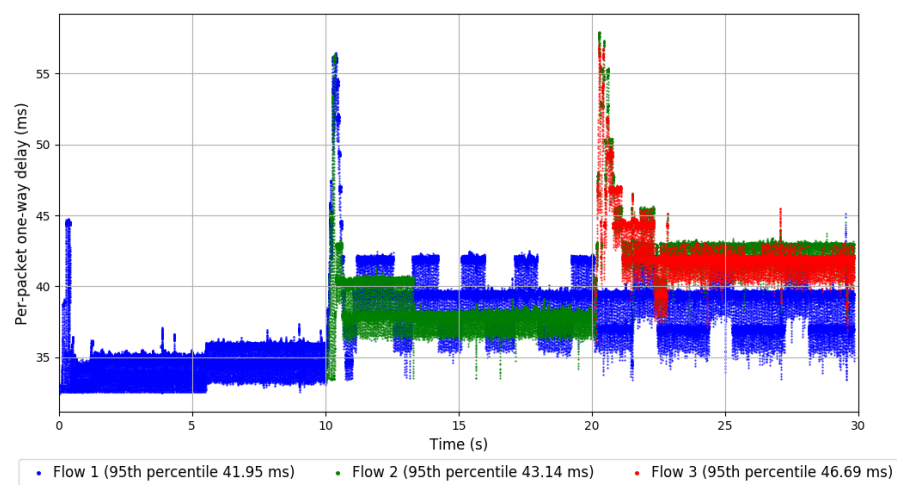
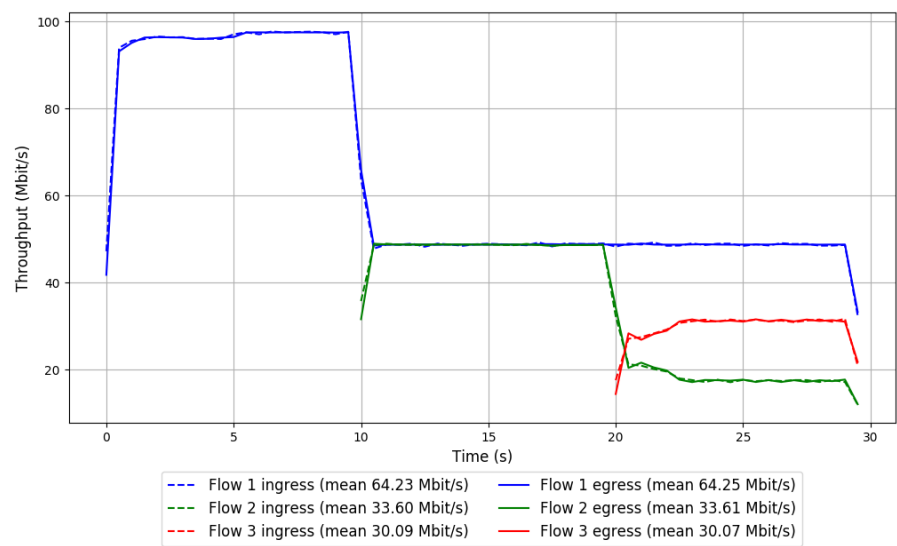


Run 8: Statistics of Indigo

Start at: 2017-12-11 22:02:07
End at: 2017-12-11 22:02:37
Local clock offset: 5.768 ms
Remote clock offset: -12.128 ms

Below is generated by plot.py at 2017-12-12 01:53:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 42.889 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.25 Mbit/s
95th percentile per-packet one-way delay: 41.945 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 43.143 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 46.690 ms
Loss rate: 0.34%

Run 8: Report of Indigo — Data Link

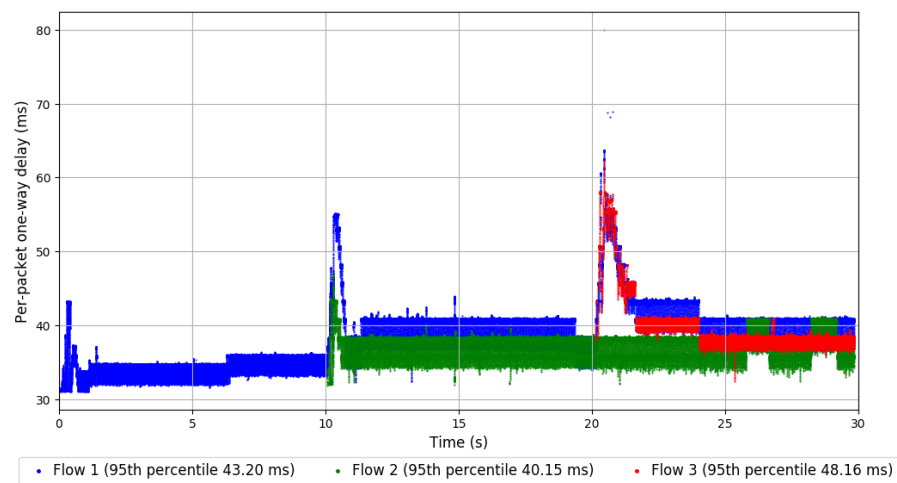
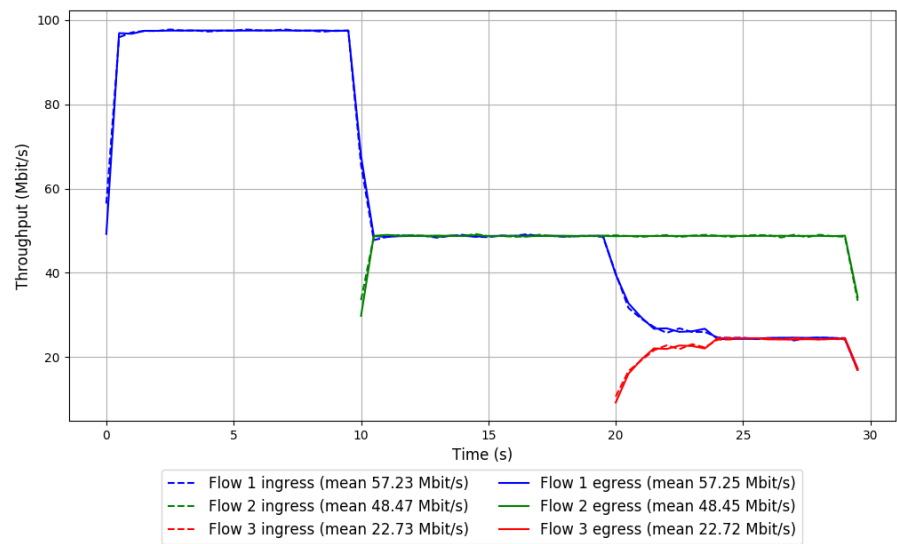


Run 9: Statistics of Indigo

Start at: 2017-12-11 22:18:45
End at: 2017-12-11 22:19:15
Local clock offset: 5.672 ms
Remote clock offset: -12.191 ms

Below is generated by plot.py at 2017-12-12 01:53:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.78 Mbit/s
95th percentile per-packet one-way delay: 42.050 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 43.201 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 40.145 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 22.72 Mbit/s
95th percentile per-packet one-way delay: 48.160 ms
Loss rate: 0.33%

Run 9: Report of Indigo — Data Link

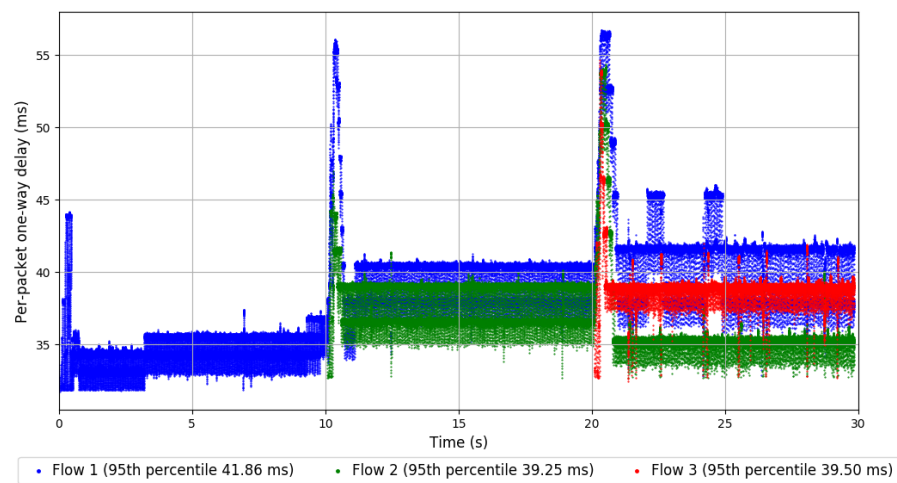
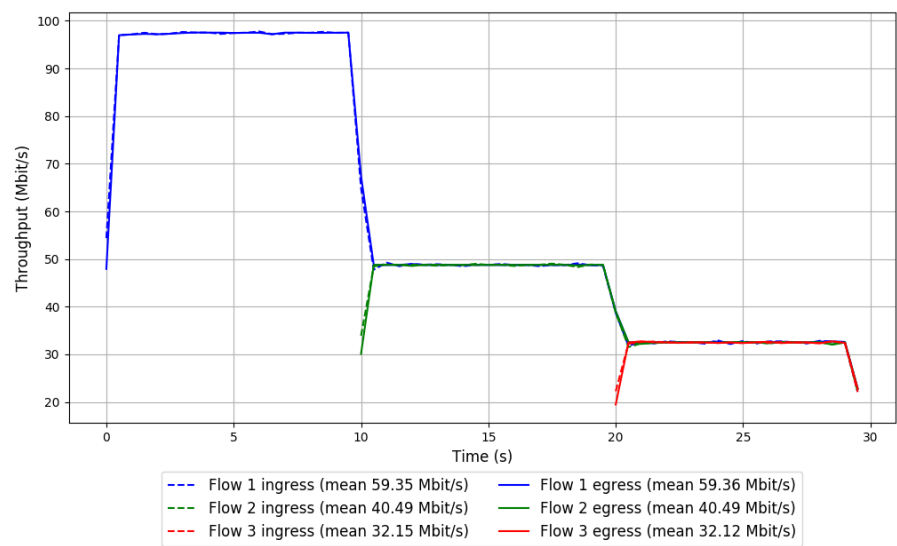


Run 10: Statistics of Indigo

Start at: 2017-12-11 22:35:29
End at: 2017-12-11 22:35:59
Local clock offset: 4.877 ms
Remote clock offset: -13.461 ms

Below is generated by plot.py at 2017-12-12 01:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 41.713 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 41.858 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 39.251 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 39.499 ms
Loss rate: 0.30%

Run 10: Report of Indigo — Data Link

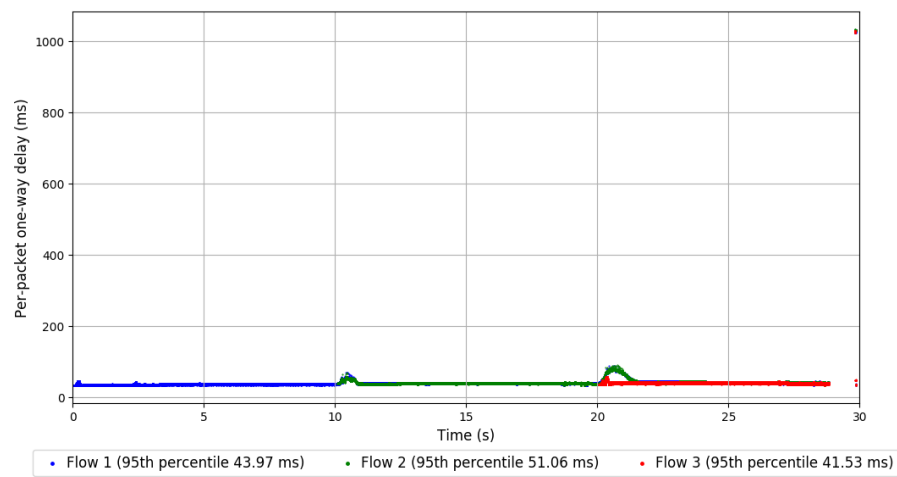
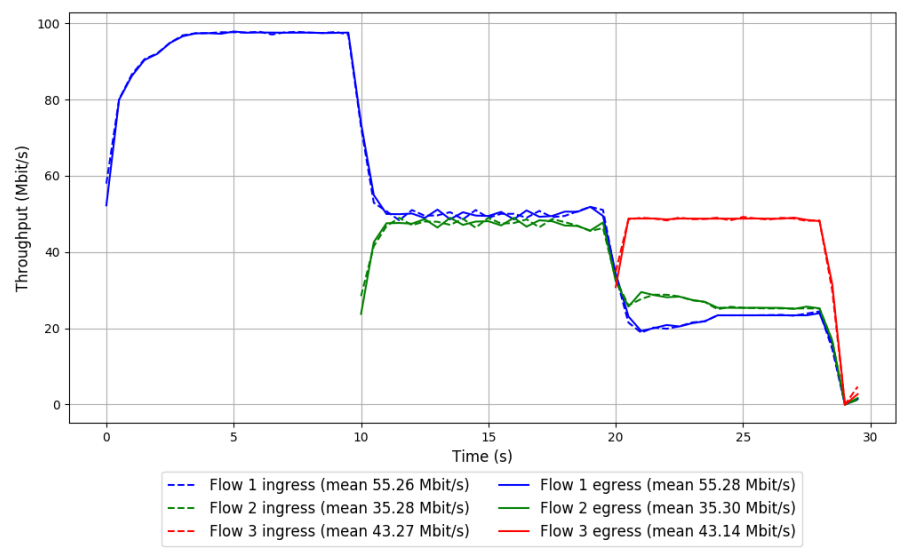


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-11 20:06:34
End at: 2017-12-11 20:07:04
Local clock offset: 3.483 ms
Remote clock offset: -14.757 ms

# Below is generated by plot.py at 2017-12-12 01:54:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 44.083 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.28 Mbit/s
95th percentile per-packet one-way delay: 43.974 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 51.057 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 41.526 ms
Loss rate: 0.47%
```

Run 1: Report of Indigo-calib — Data Link

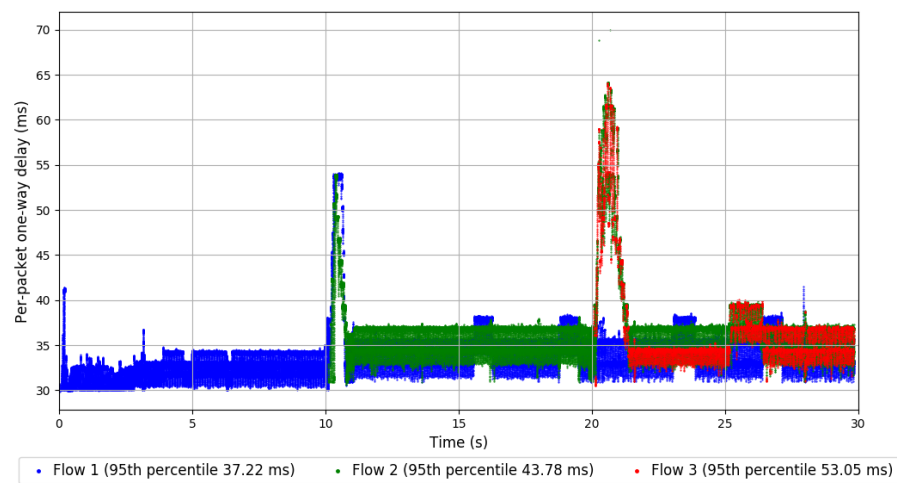
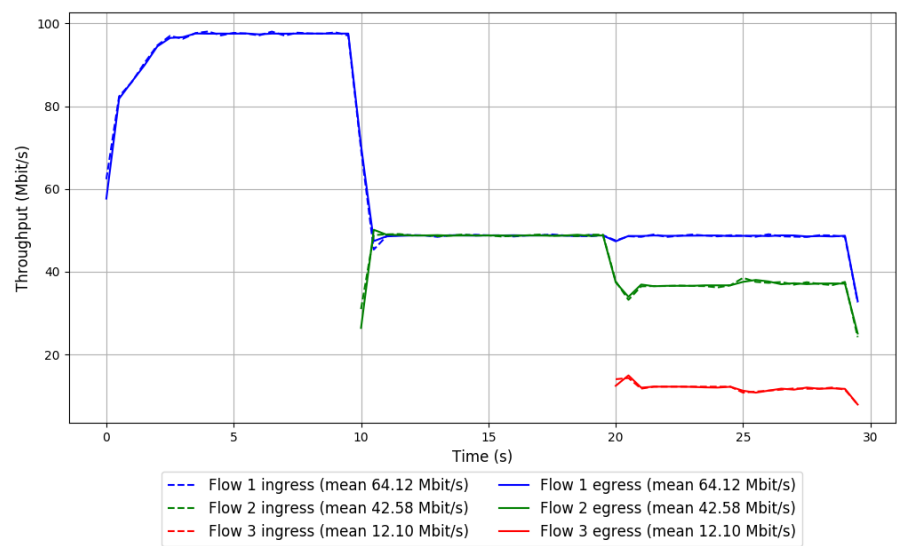


Run 2: Statistics of Indigo-calib

Start at: 2017-12-11 20:24:18
End at: 2017-12-11 20:24:48
Local clock offset: 1.605 ms
Remote clock offset: -12.802 ms

Below is generated by plot.py at 2017-12-12 01:54:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 38.010 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 64.12 Mbit/s
95th percentile per-packet one-way delay: 37.217 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 43.782 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 53.052 ms
Loss rate: 0.30%

Run 2: Report of Indigo-calib — Data Link

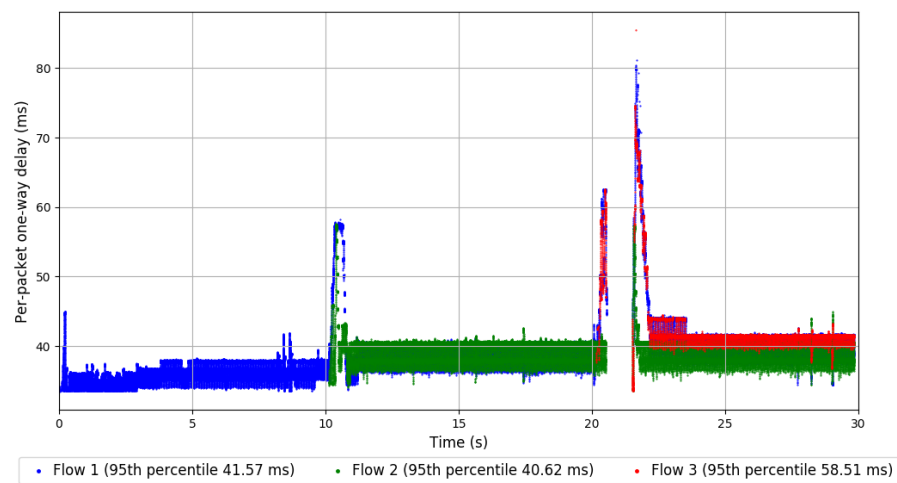
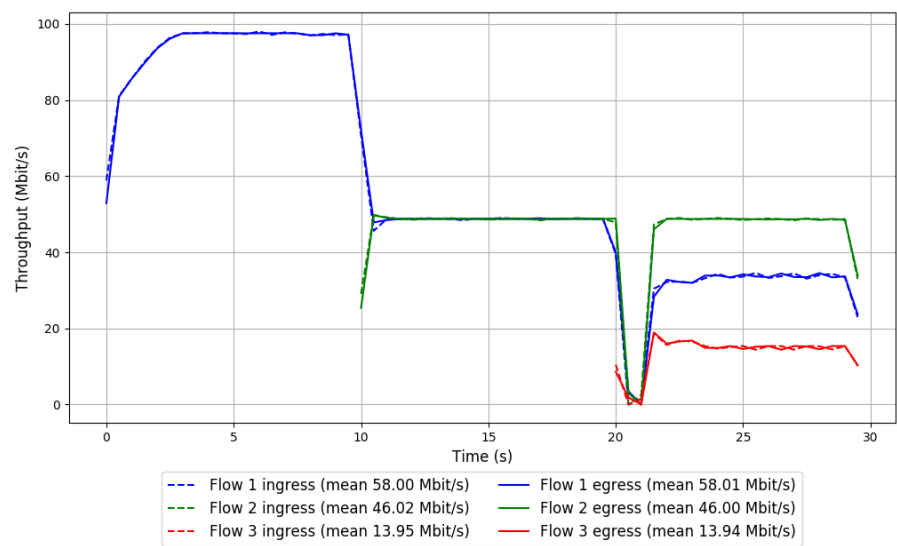


```
Run 3: Statistics of Indigo-calib

Start at: 2017-12-11 20:41:11
End at: 2017-12-11 20:41:41
Local clock offset: 4.588 ms
Remote clock offset: -13.726 ms

# Below is generated by plot.py at 2017-12-12 01:54:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 41.562 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 41.567 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 40.619 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 58.510 ms
Loss rate: 0.35%
```


Run 3: Report of Indigo-calib — Data Link

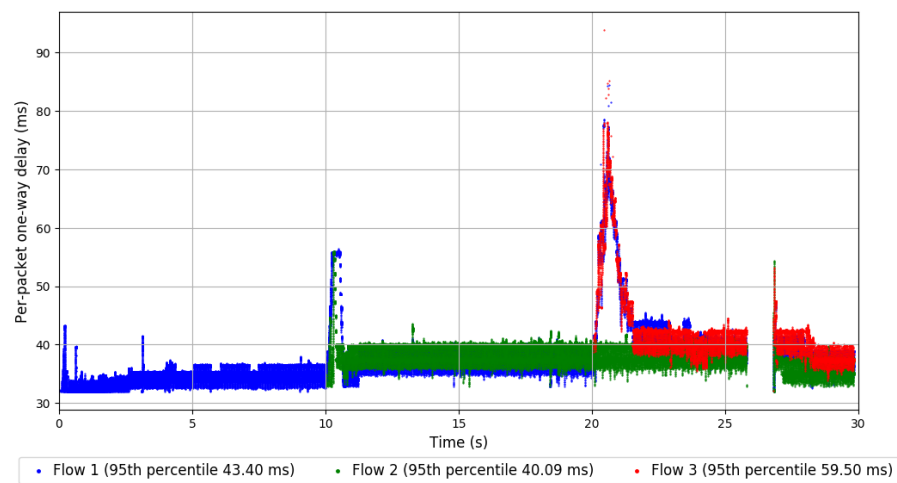
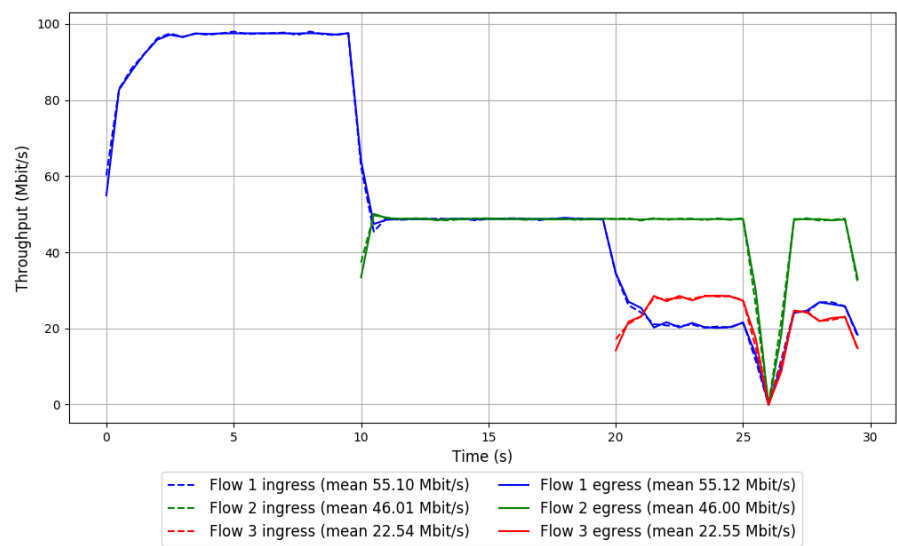


Run 4: Statistics of Indigo-calib

Start at: 2017-12-11 20:57:49
End at: 2017-12-11 20:58:19
Local clock offset: 5.051 ms
Remote clock offset: -12.321 ms

Below is generated by plot.py at 2017-12-12 01:54:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 42.401 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 43.403 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 40.091 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 22.55 Mbit/s
95th percentile per-packet one-way delay: 59.502 ms
Loss rate: 0.26%

Run 4: Report of Indigo-calib — Data Link

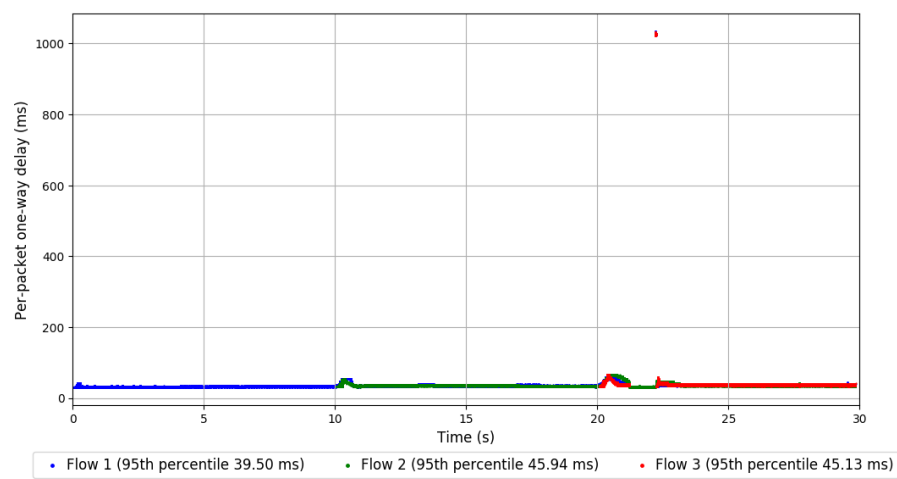
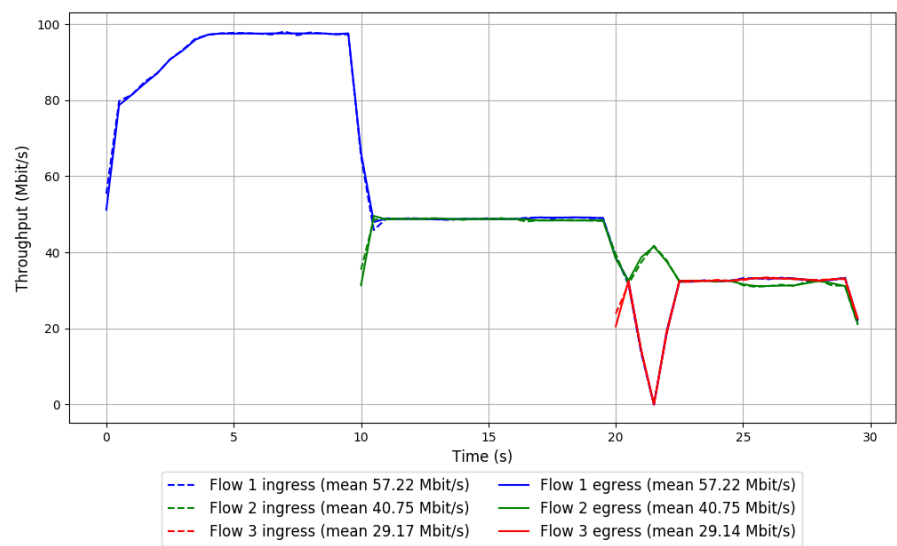


Run 5: Statistics of Indigo-calib

Start at: 2017-12-11 21:14:45
End at: 2017-12-11 21:15:15
Local clock offset: 3.831 ms
Remote clock offset: -12.652 ms

Below is generated by plot.py at 2017-12-12 01:54:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.80 Mbit/s
95th percentile per-packet one-way delay: 42.068 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.22 Mbit/s
95th percentile per-packet one-way delay: 39.497 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 45.936 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 29.14 Mbit/s
95th percentile per-packet one-way delay: 45.130 ms
Loss rate: 0.33%

Run 5: Report of Indigo-calib — Data Link

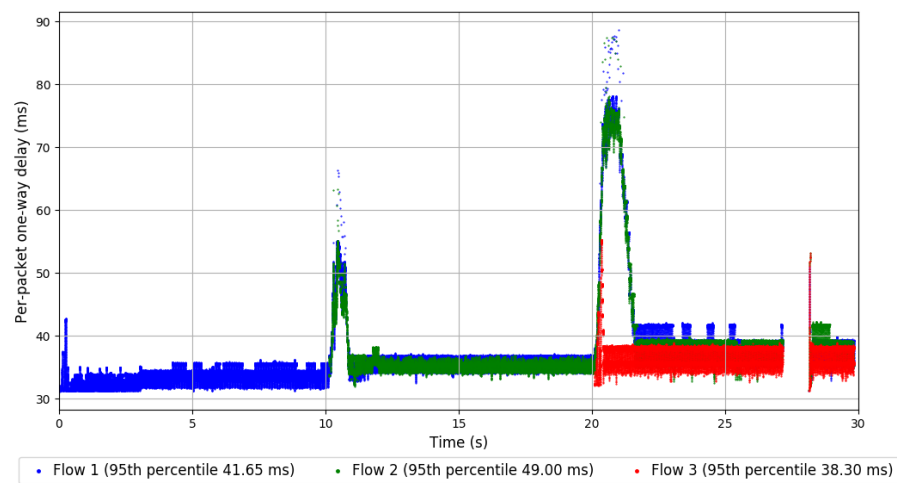
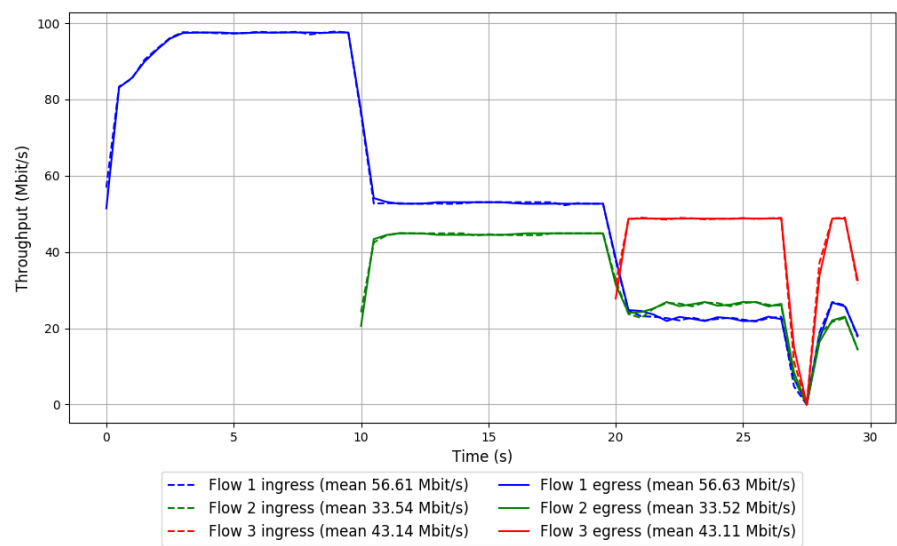


Run 6: Statistics of Indigo-calib

Start at: 2017-12-11 21:31:27
End at: 2017-12-11 21:31:57
Local clock offset: 4.727 ms
Remote clock offset: -12.18 ms

Below is generated by plot.py at 2017-12-12 01:55:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 41.715 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.63 Mbit/s
95th percentile per-packet one-way delay: 41.647 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 49.003 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 38.303 ms
Loss rate: 0.33%

Run 6: Report of Indigo-calib — Data Link

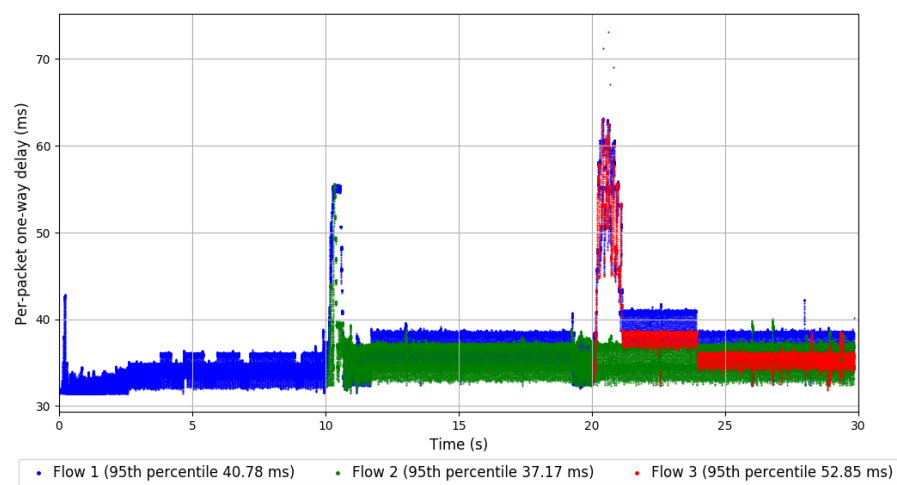
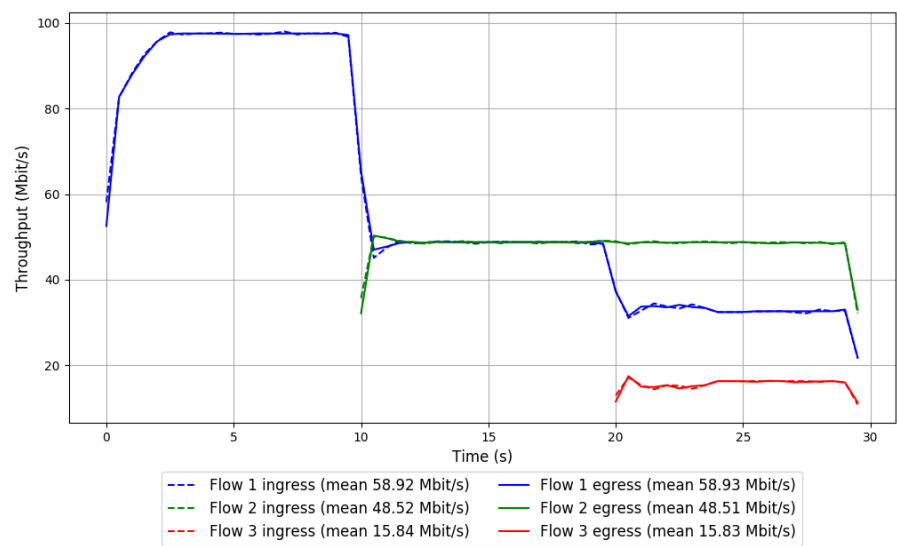


Run 7: Statistics of Indigo-calib

Start at: 2017-12-11 21:48:19
End at: 2017-12-11 21:48:49
Local clock offset: 3.648 ms
Remote clock offset: -13.097 ms

Below is generated by plot.py at 2017-12-12 01:55:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 38.844 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 40.777 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 37.167 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 52.852 ms
Loss rate: 0.31%

Run 7: Report of Indigo-calib — Data Link

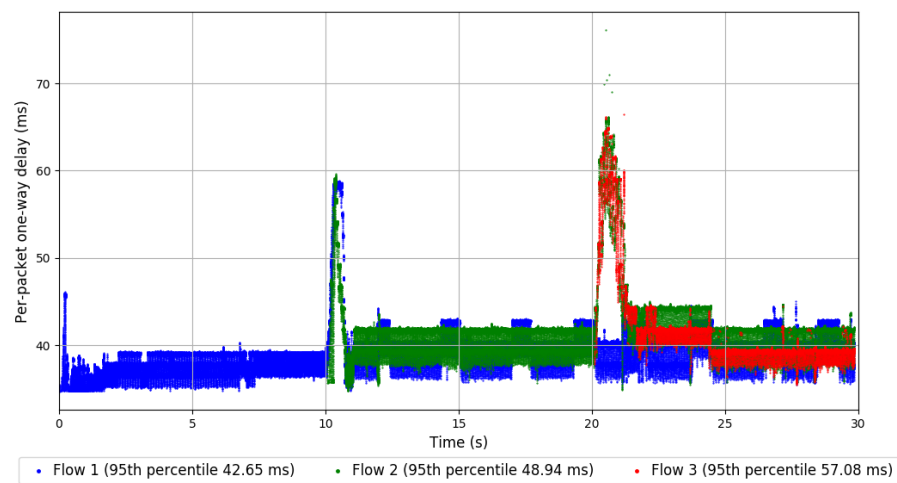
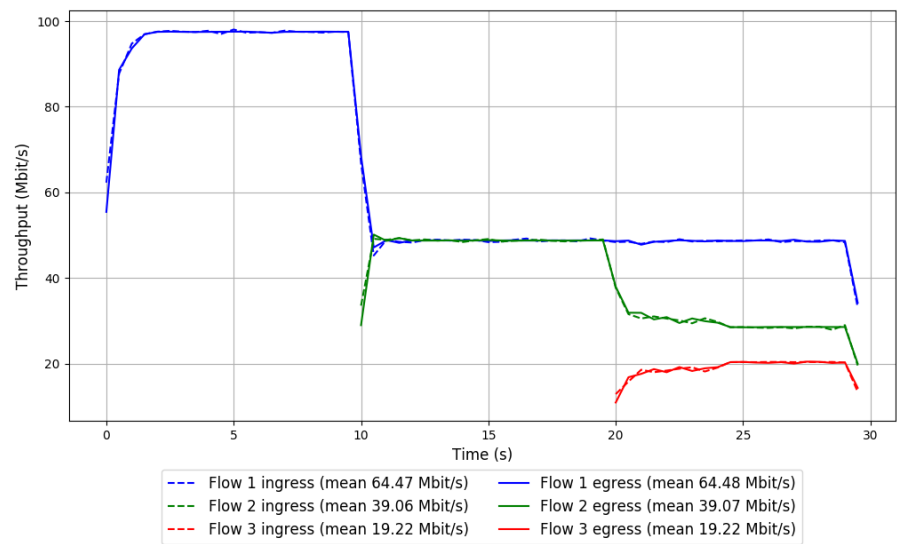


Run 8: Statistics of Indigo-calib

Start at: 2017-12-11 22:05:39
End at: 2017-12-11 22:06:09
Local clock offset: 6.186 ms
Remote clock offset: -13.913 ms

Below is generated by plot.py at 2017-12-12 01:55:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: 44.099 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 64.48 Mbit/s
95th percentile per-packet one-way delay: 42.650 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 48.944 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 57.084 ms
Loss rate: 0.28%

Run 8: Report of Indigo-calib — Data Link

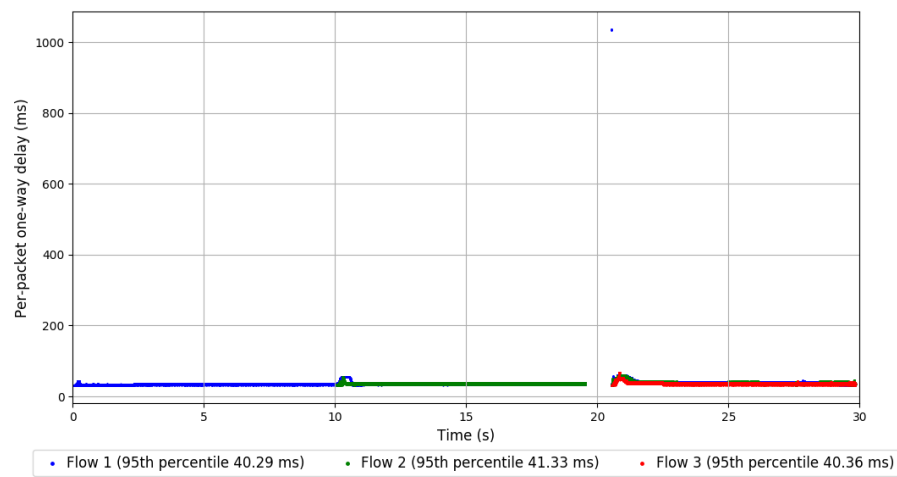
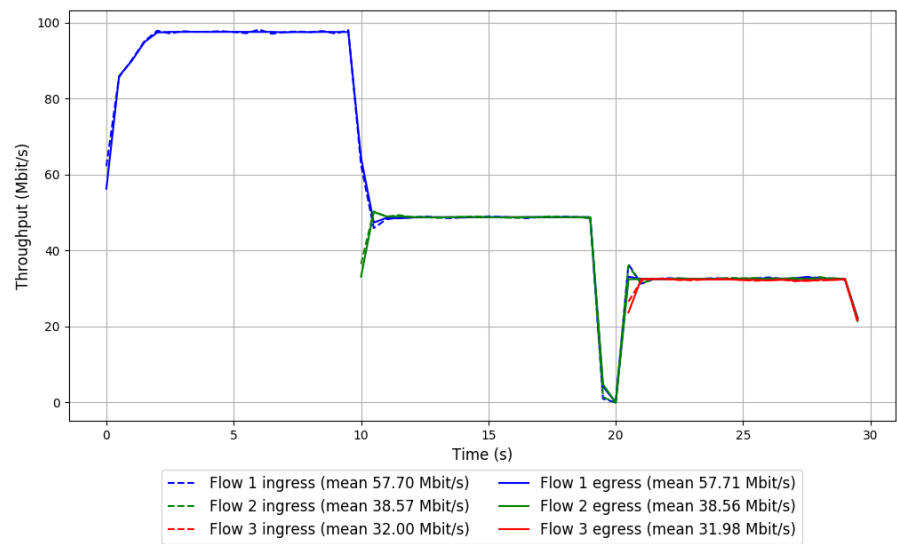


Run 9: Statistics of Indigo-calib

Start at: 2017-12-11 22:22:18
End at: 2017-12-11 22:22:48
Local clock offset: 4.933 ms
Remote clock offset: -11.931 ms

Below is generated by plot.py at 2017-12-12 01:55:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 41.038 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 57.71 Mbit/s
95th percentile per-packet one-way delay: 40.290 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.56 Mbit/s
95th percentile per-packet one-way delay: 41.332 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 40.364 ms
Loss rate: 0.29%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-11 22:38:58
End at: 2017-12-11 22:39:28
Local clock offset: 4.24 ms
Remote clock offset: -12.649 ms

Below is generated by plot.py at 2017-12-12 01:55:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 39.621 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.37 Mbit/s
95th percentile per-packet one-way delay: 40.678 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 36.476 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 16.80 Mbit/s
95th percentile per-packet one-way delay: 56.949 ms
Loss rate: 0.36%

Run 10: Report of Indigo-calib — Data Link

