

Pantheon Report

Generated at 2017-12-06 03:36:37 (UTC).

Data path: Stanford Ethernet (*remote*) → AWS California 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).

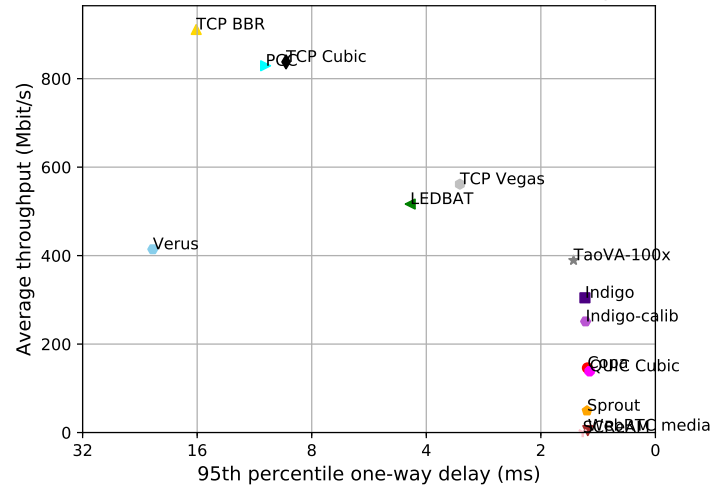
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

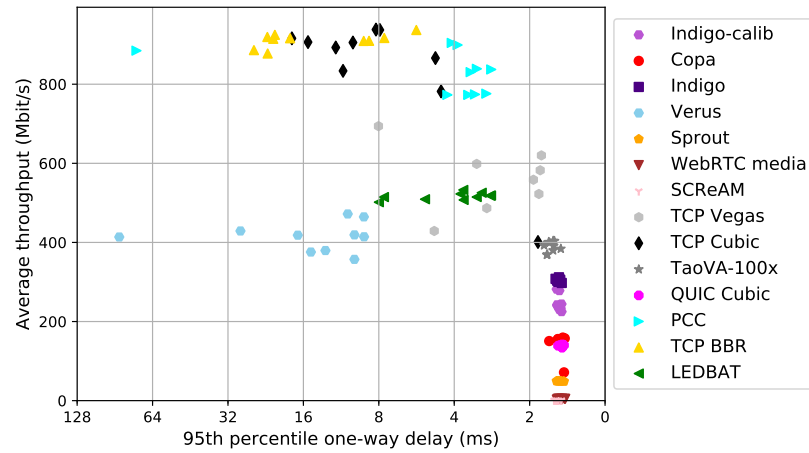
Git summary:

```
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 Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



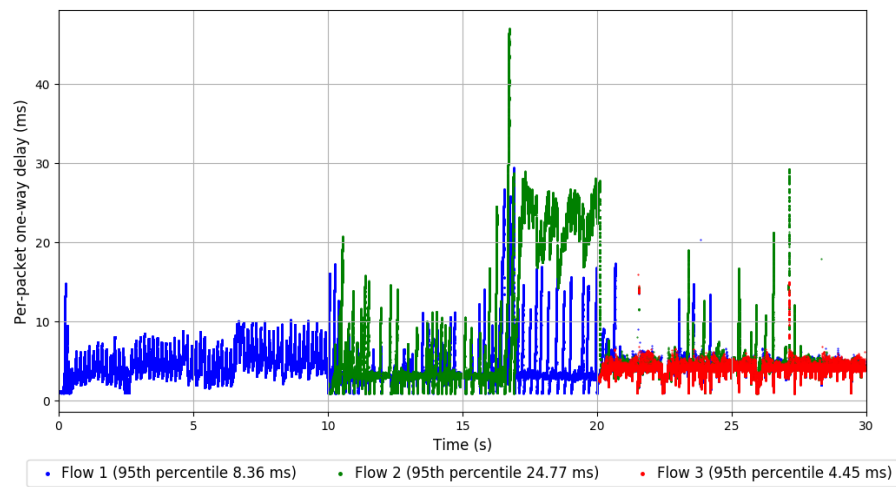
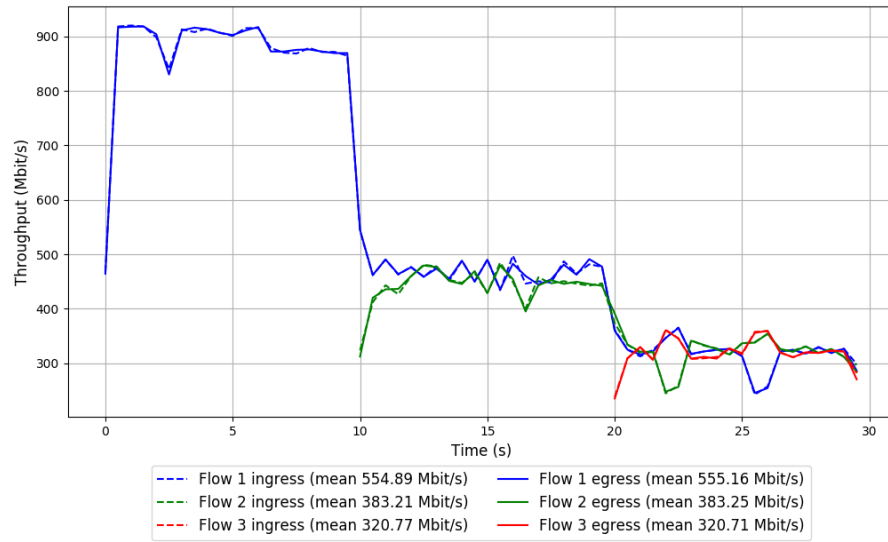
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	543.07	392.73	322.82	14.40	11.94	6.50	0.05	0.10	0.24
TCP Cubic	10	488.71	375.76	299.35	11.05	4.35	4.32	0.06	0.11	0.27
LEDBAT	10	300.69	242.53	165.06	3.96	4.90	2.43	0.05	0.09	0.26
PCC	10	568.37	271.24	239.55	12.10	3.28	3.48	0.35	0.10	0.21
QUIC Cubic	10	73.10	69.14	59.58	1.14	1.15	1.16	0.06	0.11	0.19
SCReAM	10	0.22	0.22	0.22	1.27	1.26	1.26	0.00	0.00	0.28
WebRTC media	10	2.18	1.53	0.65	1.18	1.18	1.18	0.10	0.13	0.48
Sprout	8	24.78	24.77	24.57	1.19	1.19	1.19	0.06	0.08	0.12
TaoVA-100x	10	220.03	198.90	148.60	1.28	1.55	2.02	0.05	0.07	0.23
TCP Vegas	8	252.88	283.55	354.85	273.61	2.07	2.56	0.05	0.08	0.20
Verus	10	247.05	177.81	152.74	23.39	22.19	6.59	0.22	0.20	0.15
Copa	10	78.15	76.18	67.64	1.17	1.20	1.20	0.06	0.13	0.24
Indigo	10	168.53	145.85	120.82	1.21	1.24	1.29	0.05	0.08	0.18
Indigo-calib	10	132.19	128.07	104.41	1.20	1.23	1.26	0.06	0.09	0.24

Run 1: Statistics of TCP BBR

Start at: 2017-12-05 19:02:46
End at: 2017-12-05 19:03:16
Local clock offset: 1.318 ms
Remote clock offset: -2.526 ms

Below is generated by plot.py at 2017-12-06 02:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 916.23 Mbit/s
95th percentile per-packet one-way delay: 18.081 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 555.16 Mbit/s
95th percentile per-packet one-way delay: 8.355 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 383.25 Mbit/s
95th percentile per-packet one-way delay: 24.775 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.71 Mbit/s
95th percentile per-packet one-way delay: 4.453 ms
Loss rate: 0.23%

Run 1: Report of TCP BBR — Data Link

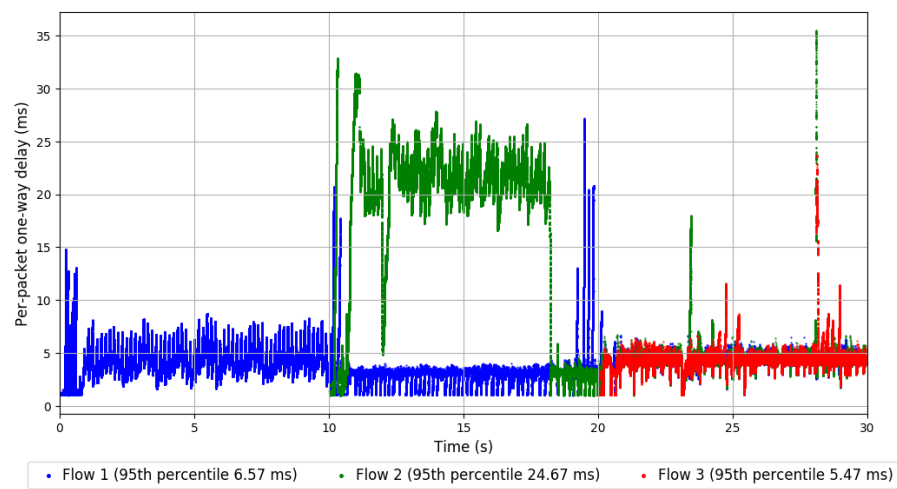
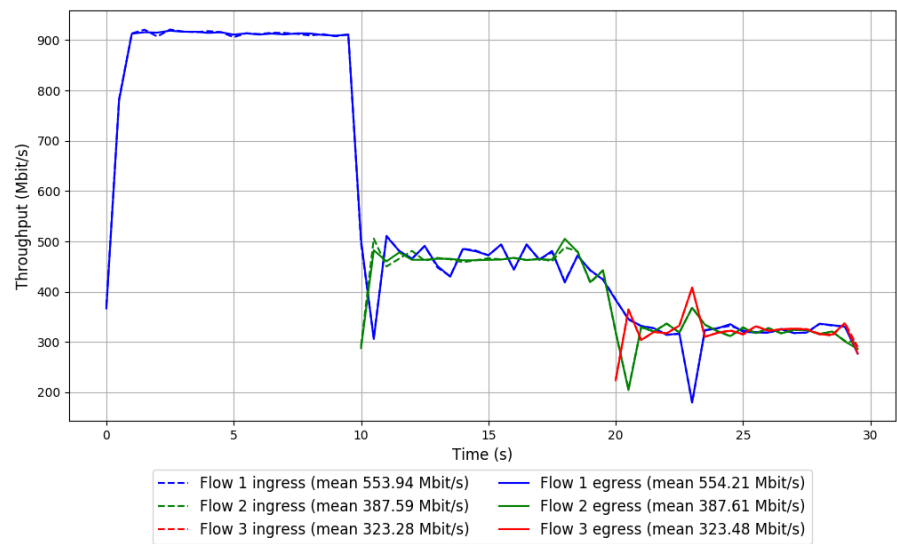


Run 2: Statistics of TCP BBR

Start at: 2017-12-05 19:23:29
End at: 2017-12-05 19:23:59
Local clock offset: 1.488 ms
Remote clock offset: -1.974 ms

Below is generated by plot.py at 2017-12-06 02:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 919.36 Mbit/s
95th percentile per-packet one-way delay: 22.280 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 554.21 Mbit/s
95th percentile per-packet one-way delay: 6.570 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 387.61 Mbit/s
95th percentile per-packet one-way delay: 24.672 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 323.48 Mbit/s
95th percentile per-packet one-way delay: 5.468 ms
Loss rate: 0.24%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-12-05 19:44:05

End at: 2017-12-05 19:44:35

Local clock offset: 1.424 ms

Remote clock offset: -1.49 ms

Below is generated by plot.py at 2017-12-06 02:05:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 909.70 Mbit/s

95th percentile per-packet one-way delay: 8.750 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 543.18 Mbit/s

95th percentile per-packet one-way delay: 10.540 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 389.25 Mbit/s

95th percentile per-packet one-way delay: 4.884 ms

Loss rate: 0.10%

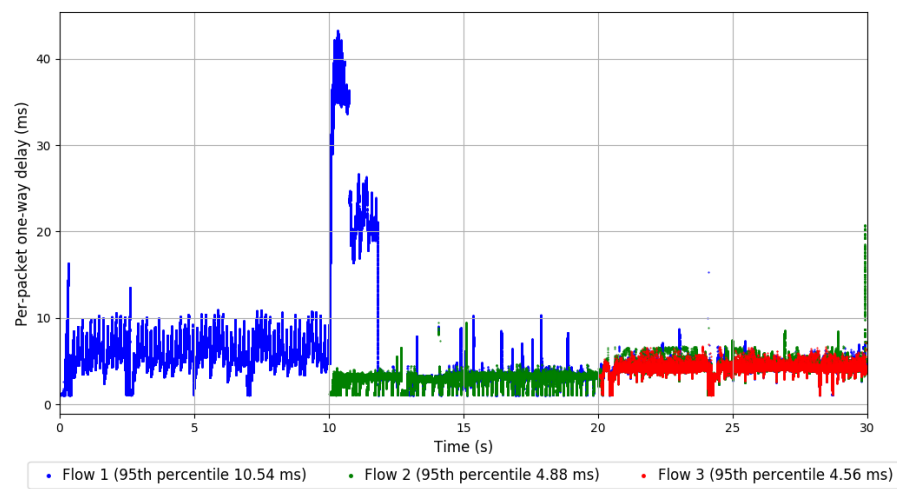
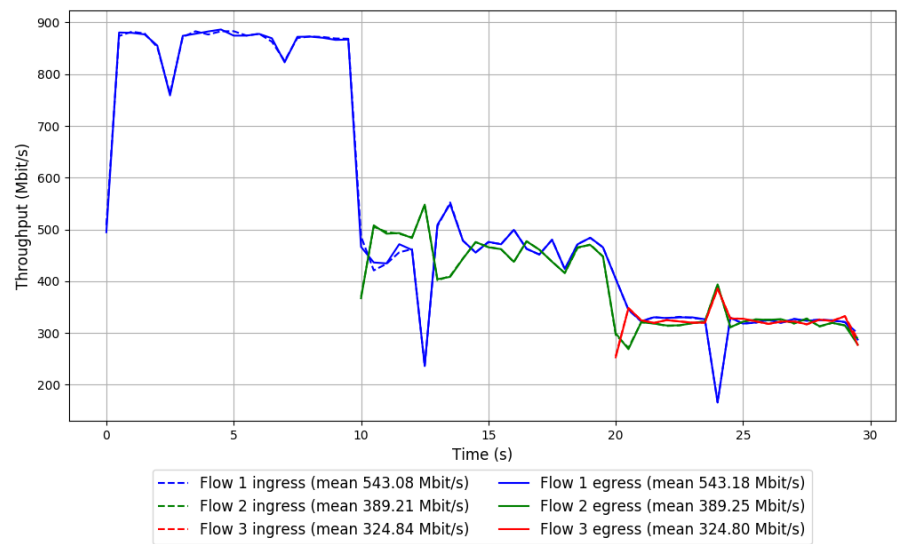
-- Flow 3:

Average throughput: 324.80 Mbit/s

95th percentile per-packet one-way delay: 4.559 ms

Loss rate: 0.22%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-12-05 20:04:43

End at: 2017-12-05 20:05:13

Local clock offset: 1.459 ms

Remote clock offset: -1.11 ms

Below is generated by plot.py at 2017-12-06 02:05:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 877.63 Mbit/s

95th percentile per-packet one-way delay: 22.223 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 505.65 Mbit/s

95th percentile per-packet one-way delay: 23.744 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 396.90 Mbit/s

95th percentile per-packet one-way delay: 7.079 ms

Loss rate: 0.09%

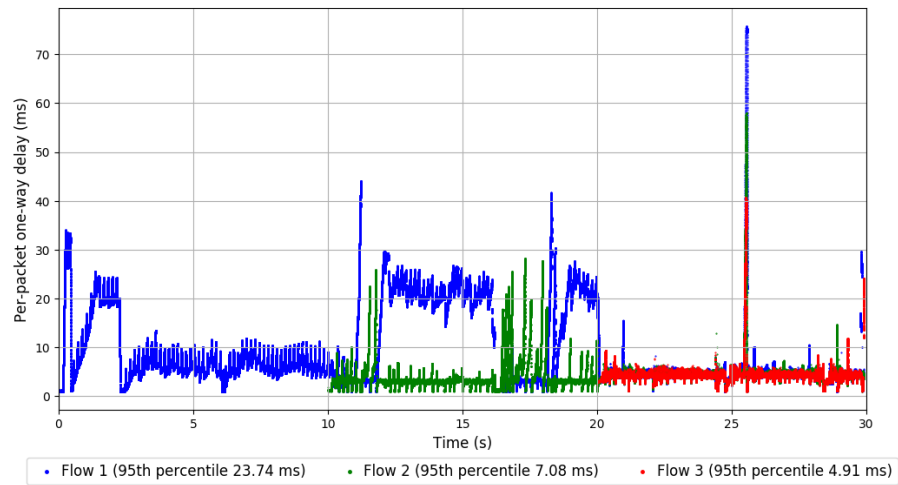
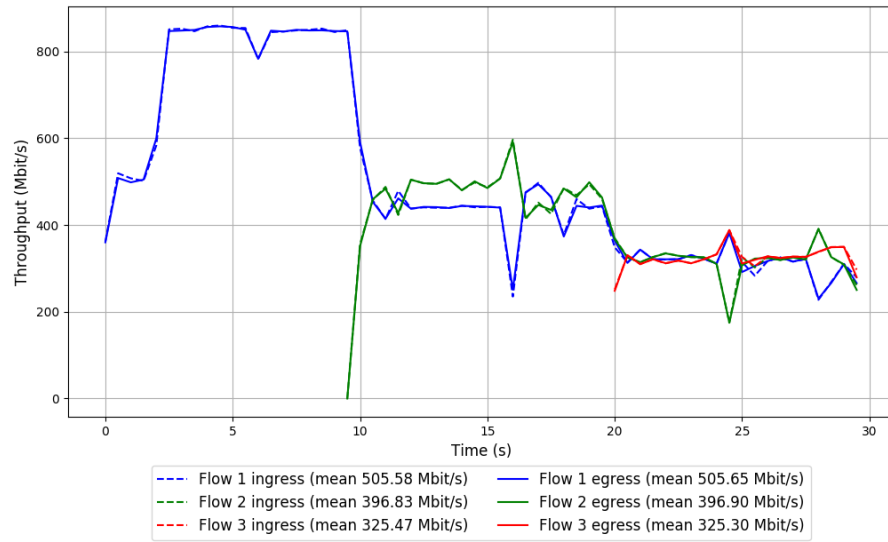
-- Flow 3:

Average throughput: 325.30 Mbit/s

95th percentile per-packet one-way delay: 4.913 ms

Loss rate: 0.32%

Run 4: Report of TCP BBR — Data Link

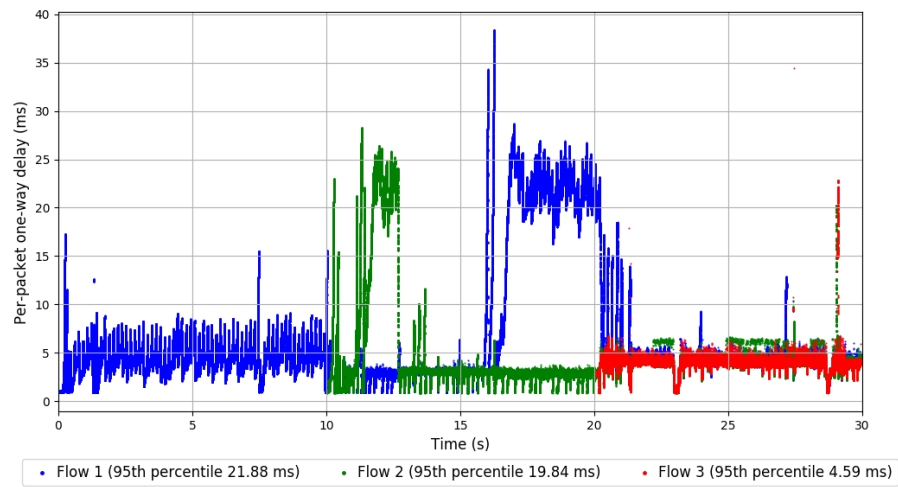
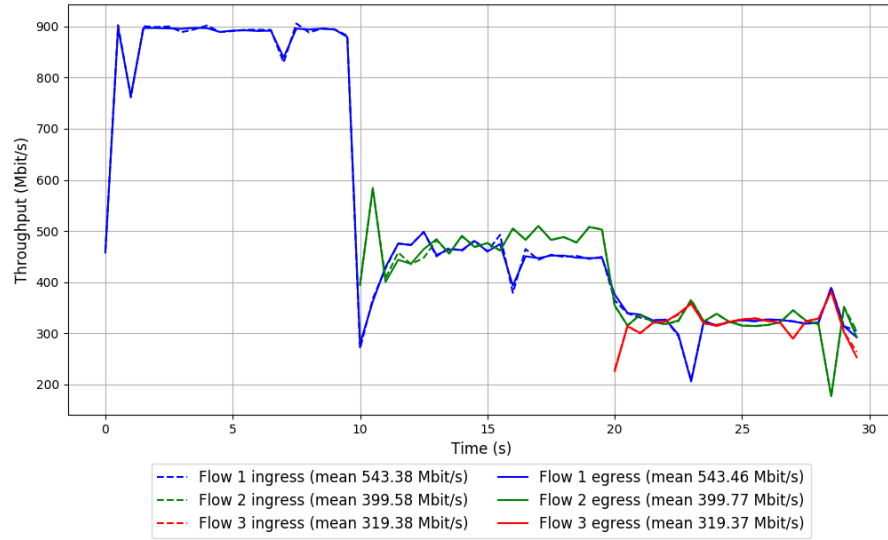


Run 5: Statistics of TCP BBR

Start at: 2017-12-05 20:25:18
End at: 2017-12-05 20:25:48
Local clock offset: 1.383 ms
Remote clock offset: -0.951 ms

Below is generated by plot.py at 2017-12-06 02:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 914.82 Mbit/s
95th percentile per-packet one-way delay: 21.109 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 543.46 Mbit/s
95th percentile per-packet one-way delay: 21.879 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 399.77 Mbit/s
95th percentile per-packet one-way delay: 19.837 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 319.37 Mbit/s
95th percentile per-packet one-way delay: 4.591 ms
Loss rate: 0.21%

Run 5: Report of TCP BBR — Data Link

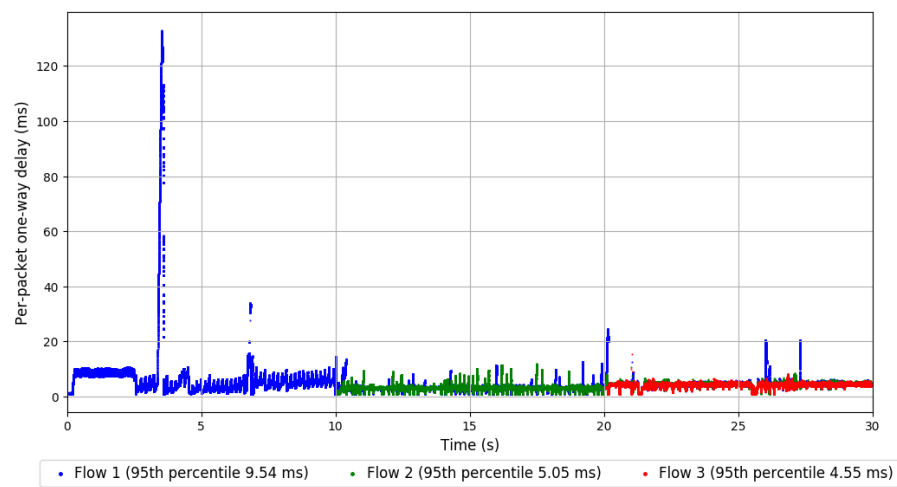
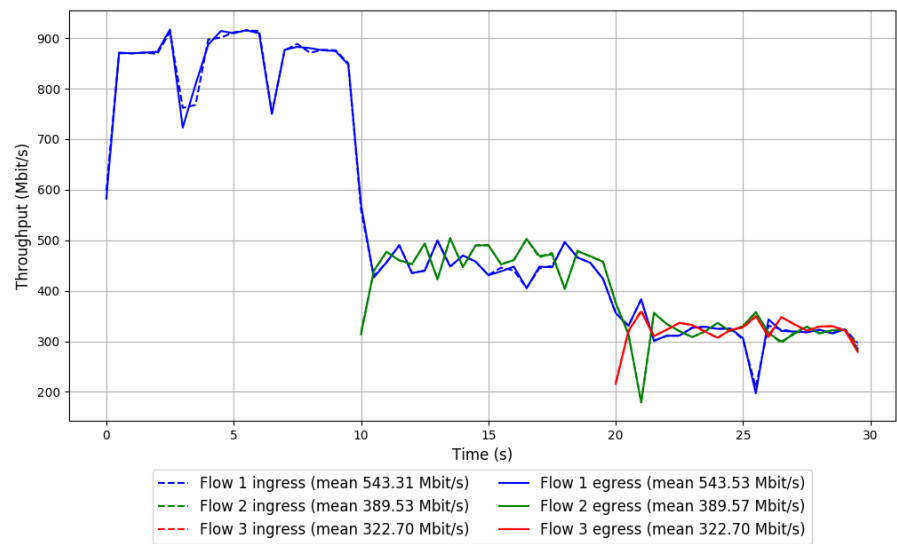


Run 6: Statistics of TCP BBR

Start at: 2017-12-05 20:45:43
End at: 2017-12-05 20:46:13
Local clock offset: 1.273 ms
Remote clock offset: -0.985 ms

Below is generated by plot.py at 2017-12-06 02:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 909.43 Mbit/s
95th percentile per-packet one-way delay: 9.192 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 543.53 Mbit/s
95th percentile per-packet one-way delay: 9.545 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 389.57 Mbit/s
95th percentile per-packet one-way delay: 5.055 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 322.70 Mbit/s
95th percentile per-packet one-way delay: 4.549 ms
Loss rate: 0.23%

Run 6: Report of TCP BBR — Data Link

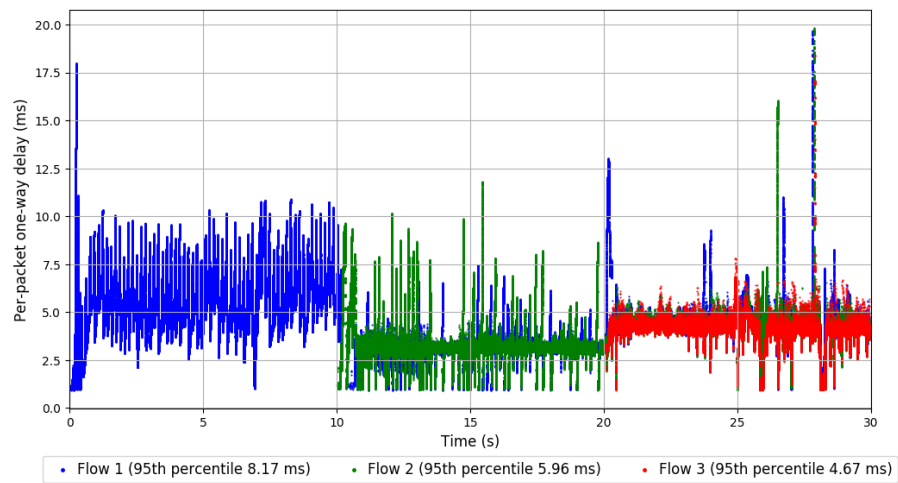
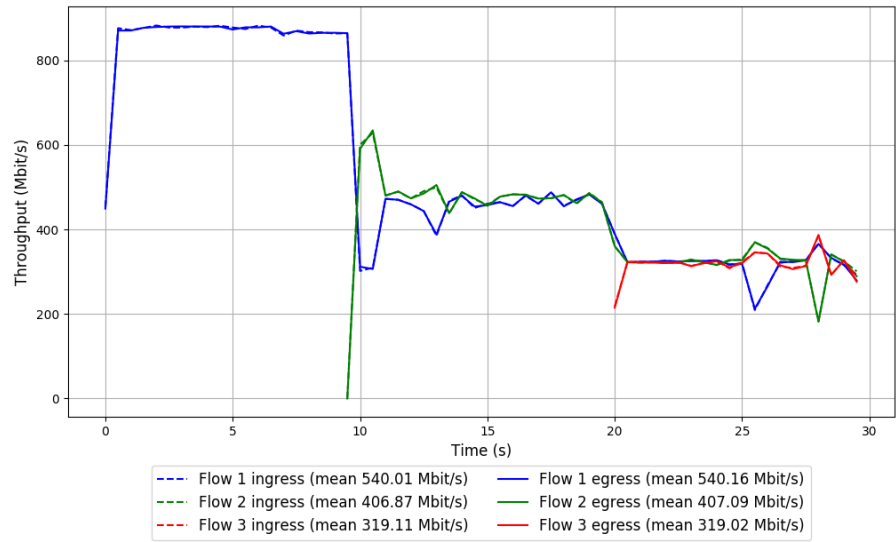


Run 7: Statistics of TCP BBR

Start at: 2017-12-05 21:06:04
End at: 2017-12-05 21:06:34
Local clock offset: 1.31 ms
Remote clock offset: -0.958 ms

Below is generated by plot.py at 2017-12-06 02:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 916.88 Mbit/s
95th percentile per-packet one-way delay: 7.609 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 540.16 Mbit/s
95th percentile per-packet one-way delay: 8.168 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 407.09 Mbit/s
95th percentile per-packet one-way delay: 5.964 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 319.02 Mbit/s
95th percentile per-packet one-way delay: 4.669 ms
Loss rate: 0.25%

Run 7: Report of TCP BBR — Data Link

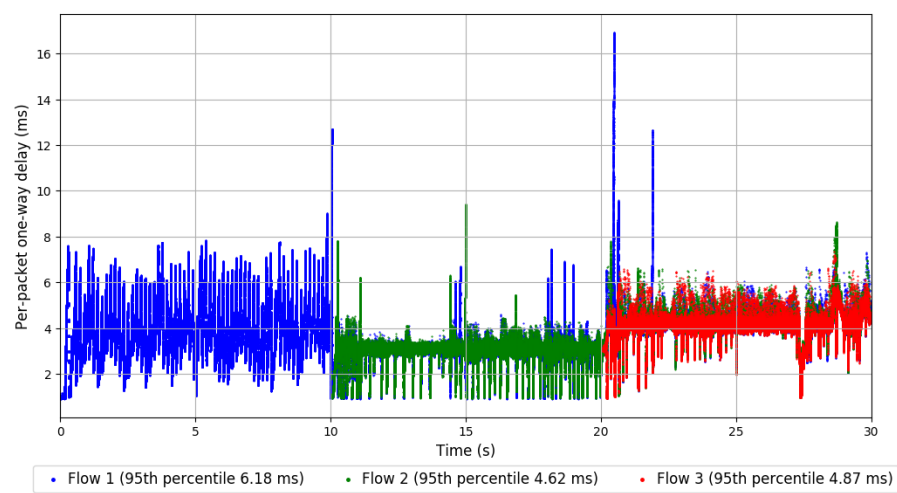
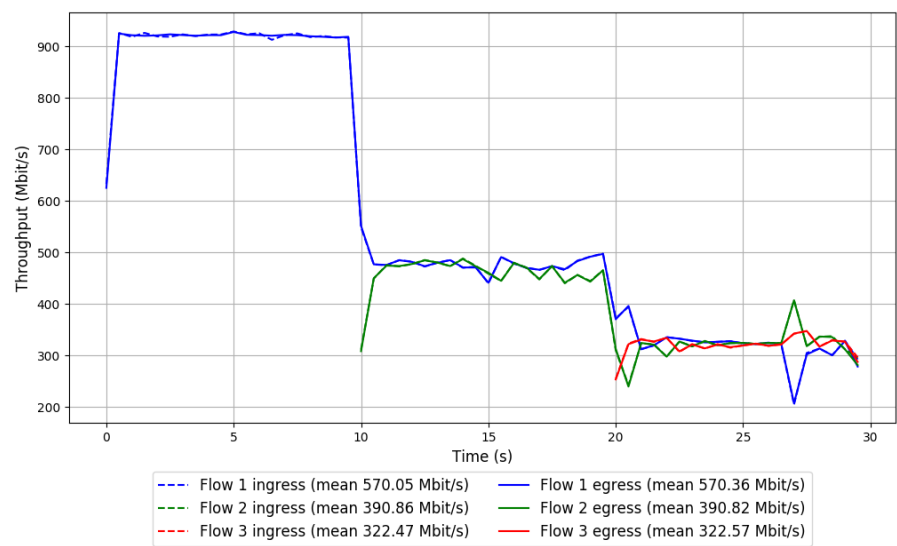


Run 8: Statistics of TCP BBR

Start at: 2017-12-05 21:26:50
End at: 2017-12-05 21:27:20
Local clock offset: 1.31 ms
Remote clock offset: -0.918 ms

Below is generated by plot.py at 2017-12-06 02:06:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 937.02 Mbit/s
95th percentile per-packet one-way delay: 5.667 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 570.36 Mbit/s
95th percentile per-packet one-way delay: 6.184 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.82 Mbit/s
95th percentile per-packet one-way delay: 4.619 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 322.57 Mbit/s
95th percentile per-packet one-way delay: 4.872 ms
Loss rate: 0.19%

Run 8: Report of TCP BBR — Data Link

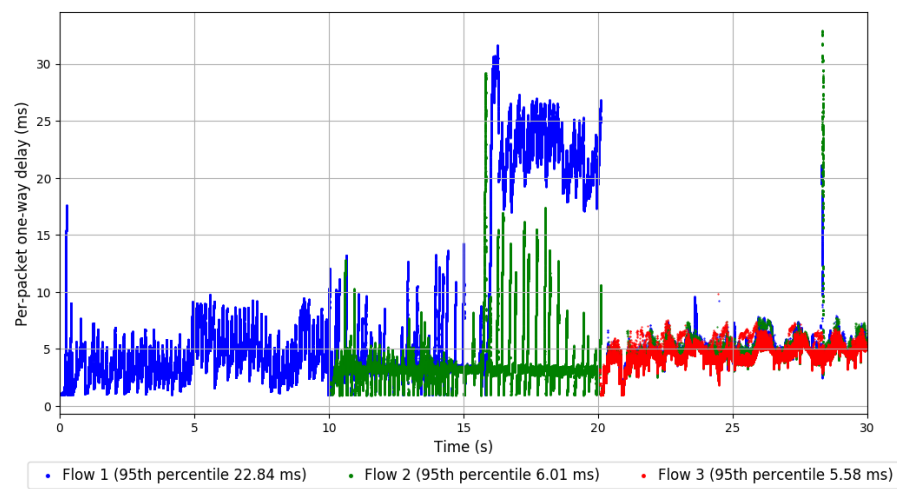
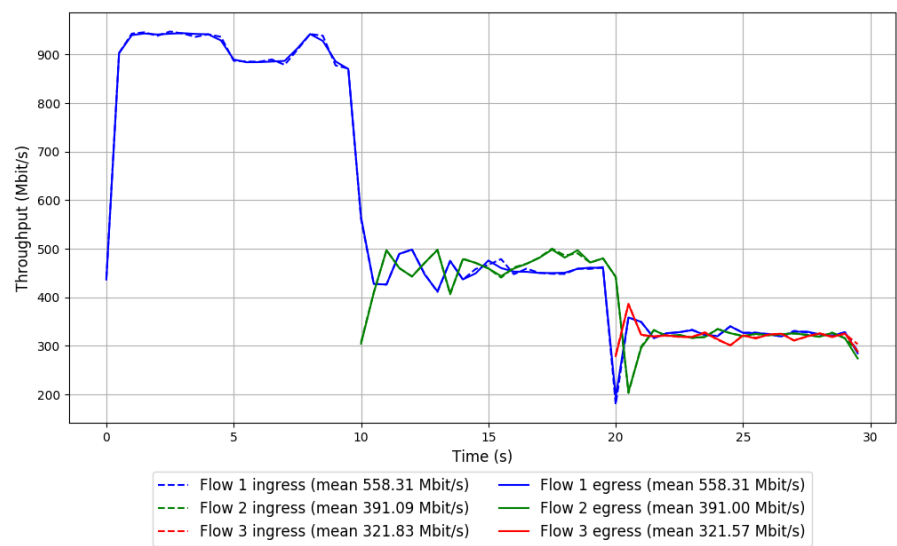


Run 9: Statistics of TCP BBR

Start at: 2017-12-05 21:47:37
End at: 2017-12-05 21:48:07
Local clock offset: 1.389 ms
Remote clock offset: -1.132 ms

Below is generated by plot.py at 2017-12-06 02:18:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 924.79 Mbit/s
95th percentile per-packet one-way delay: 20.802 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 558.31 Mbit/s
95th percentile per-packet one-way delay: 22.843 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 391.00 Mbit/s
95th percentile per-packet one-way delay: 6.015 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 321.57 Mbit/s
95th percentile per-packet one-way delay: 5.583 ms
Loss rate: 0.31%

Run 9: Report of TCP BBR — Data Link

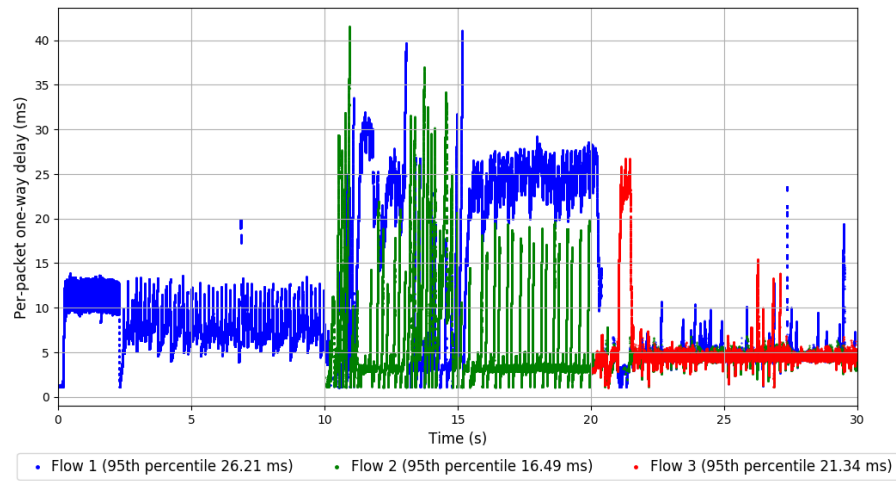
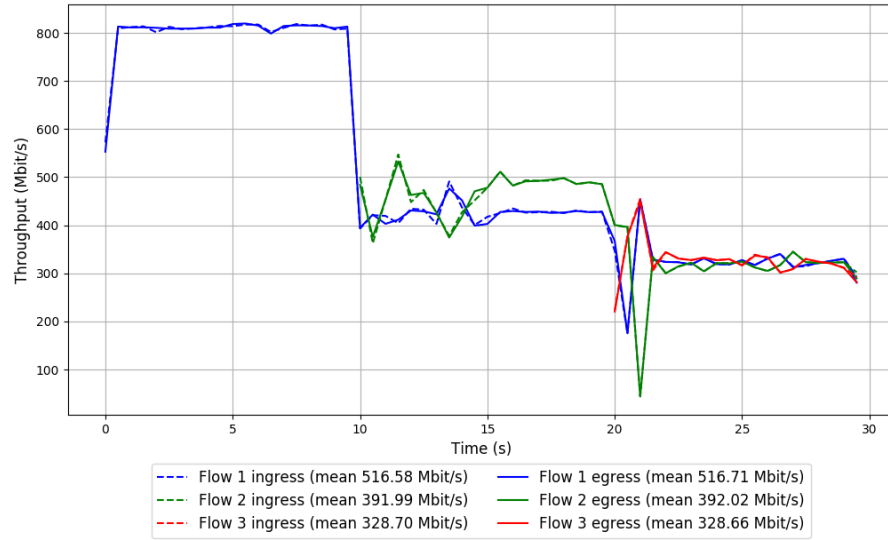


Run 10: Statistics of TCP BBR

Start at: 2017-12-05 22:08:11
End at: 2017-12-05 22:08:41
Local clock offset: 1.264 ms
Remote clock offset: -1.218 ms

Below is generated by plot.py at 2017-12-06 02:18:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 886.20 Mbit/s
95th percentile per-packet one-way delay: 25.209 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 516.71 Mbit/s
95th percentile per-packet one-way delay: 26.213 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 392.02 Mbit/s
95th percentile per-packet one-way delay: 16.490 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 328.66 Mbit/s
95th percentile per-packet one-way delay: 21.344 ms
Loss rate: 0.22%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-12-05 18:56:57

End at: 2017-12-05 18:57:27

Local clock offset: 1.348 ms

Remote clock offset: -2.51 ms

Below is generated by plot.py at 2017-12-06 02:18:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 905.38 Mbit/s

95th percentile per-packet one-way delay: 10.148 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 545.86 Mbit/s

95th percentile per-packet one-way delay: 10.374 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 382.51 Mbit/s

95th percentile per-packet one-way delay: 4.561 ms

Loss rate: 0.10%

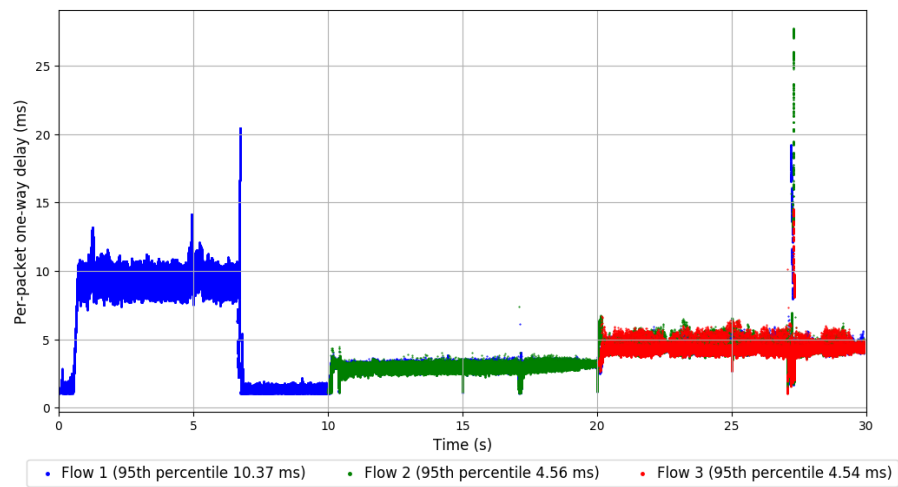
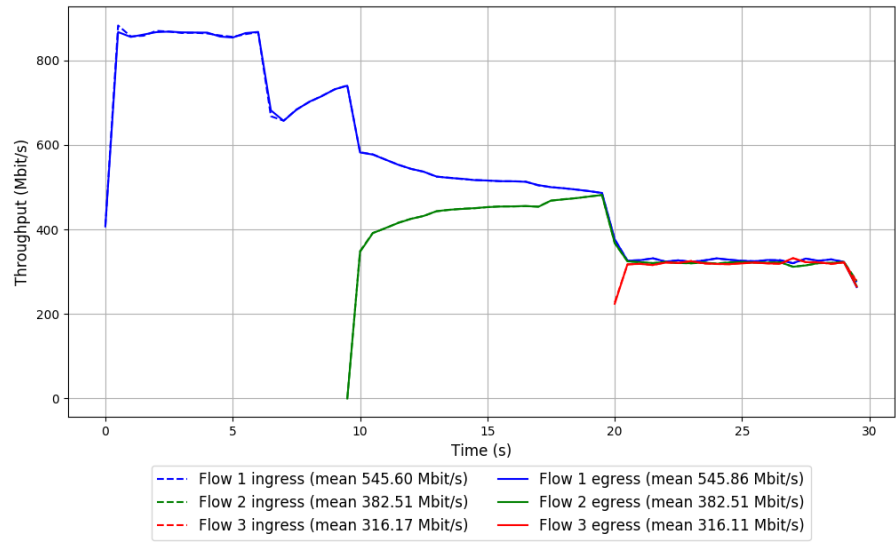
-- Flow 3:

Average throughput: 316.11 Mbit/s

95th percentile per-packet one-way delay: 4.542 ms

Loss rate: 0.24%

Run 1: Report of TCP Cubic — Data Link

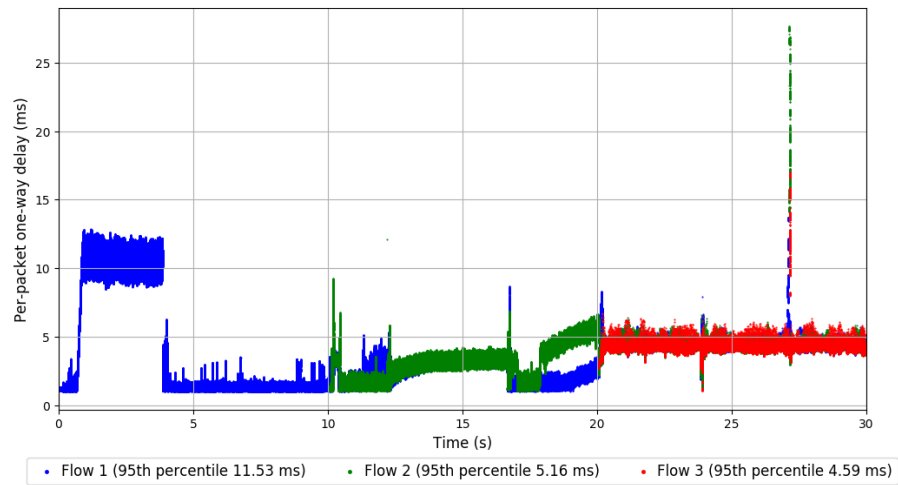
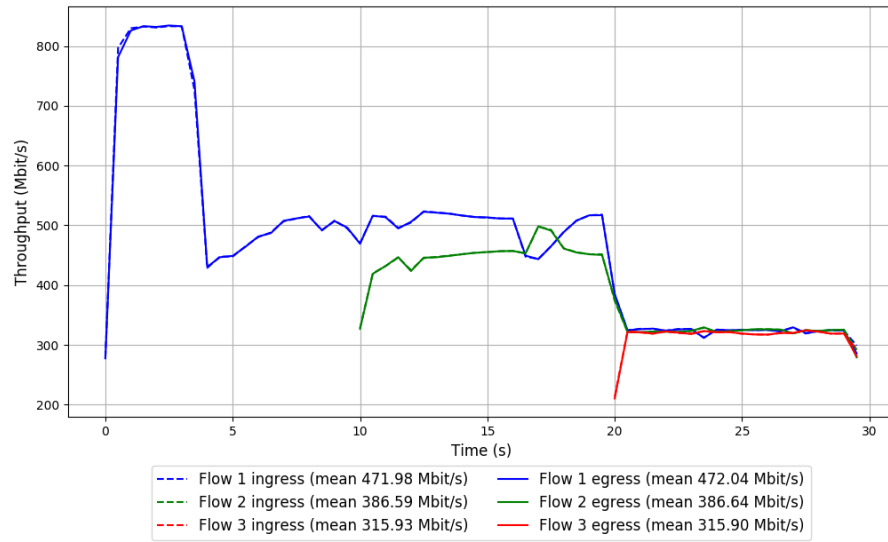


Run 2: Statistics of TCP Cubic

Start at: 2017-12-05 19:17:40
End at: 2017-12-05 19:18:10
Local clock offset: 1.47 ms
Remote clock offset: -2.053 ms

Below is generated by plot.py at 2017-12-06 02:18:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 833.74 Mbit/s
95th percentile per-packet one-way delay: 11.114 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 472.04 Mbit/s
95th percentile per-packet one-way delay: 11.534 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 386.64 Mbit/s
95th percentile per-packet one-way delay: 5.163 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 315.90 Mbit/s
95th percentile per-packet one-way delay: 4.592 ms
Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

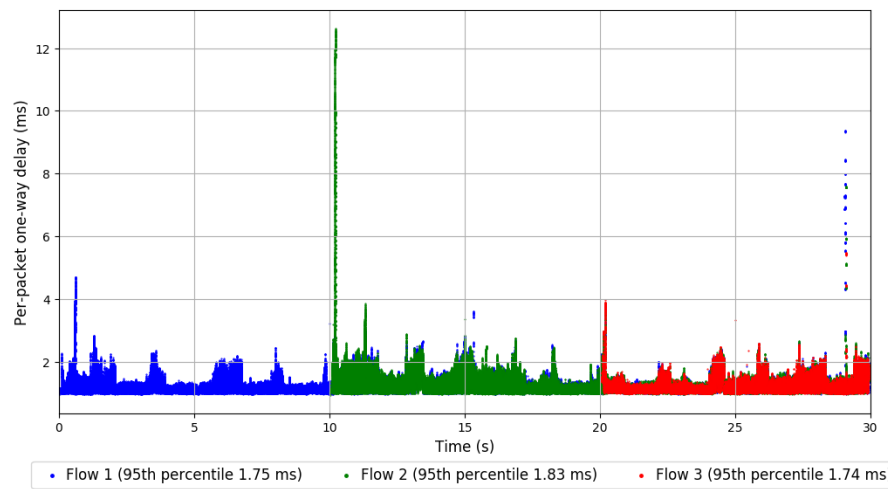
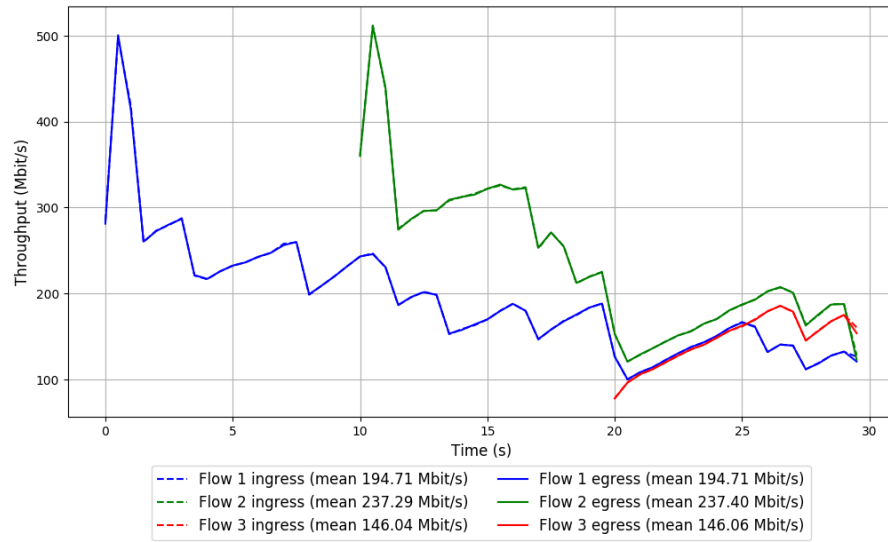


Run 3: Statistics of TCP Cubic

Start at: 2017-12-05 19:38:27
End at: 2017-12-05 19:38:57
Local clock offset: 1.361 ms
Remote clock offset: -1.568 ms

Below is generated by plot.py at 2017-12-06 02:18:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.10 Mbit/s
95th percentile per-packet one-way delay: 1.779 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 194.71 Mbit/s
95th percentile per-packet one-way delay: 1.748 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 237.40 Mbit/s
95th percentile per-packet one-way delay: 1.829 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 146.06 Mbit/s
95th percentile per-packet one-way delay: 1.737 ms
Loss rate: 0.28%

Run 3: Report of TCP Cubic — Data Link

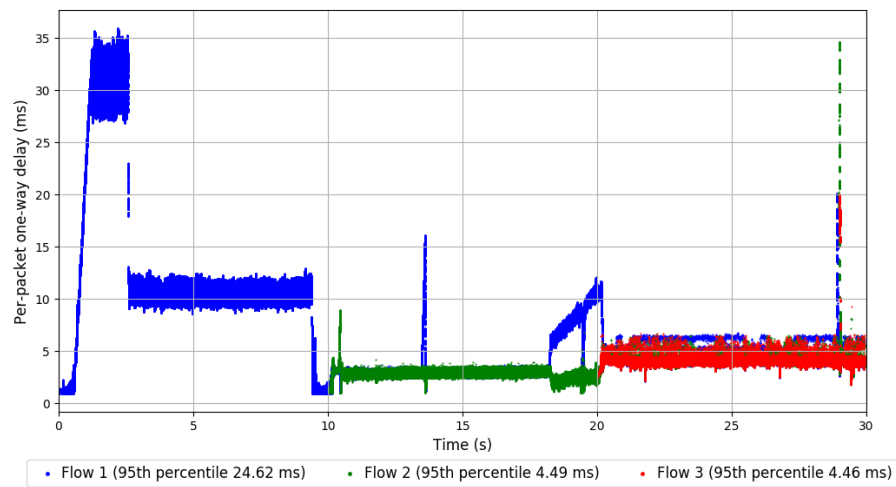
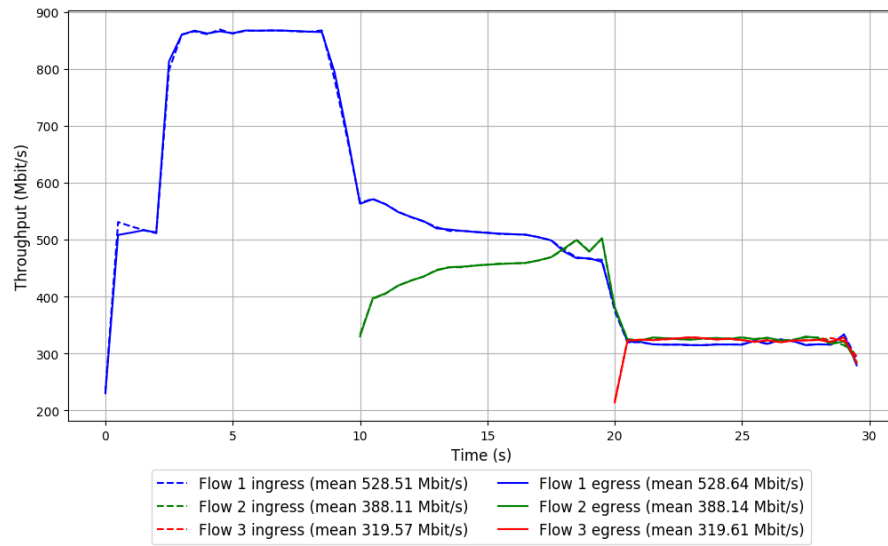


Run 4: Statistics of TCP Cubic

Start at: 2017-12-05 19:58:54
End at: 2017-12-05 19:59:24
Local clock offset: 1.409 ms
Remote clock offset: -1.241 ms

Below is generated by plot.py at 2017-12-06 02:18:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 892.80 Mbit/s
95th percentile per-packet one-way delay: 11.885 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 528.64 Mbit/s
95th percentile per-packet one-way delay: 24.625 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 388.14 Mbit/s
95th percentile per-packet one-way delay: 4.490 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 319.61 Mbit/s
95th percentile per-packet one-way delay: 4.455 ms
Loss rate: 0.23%

Run 4: Report of TCP Cubic — Data Link

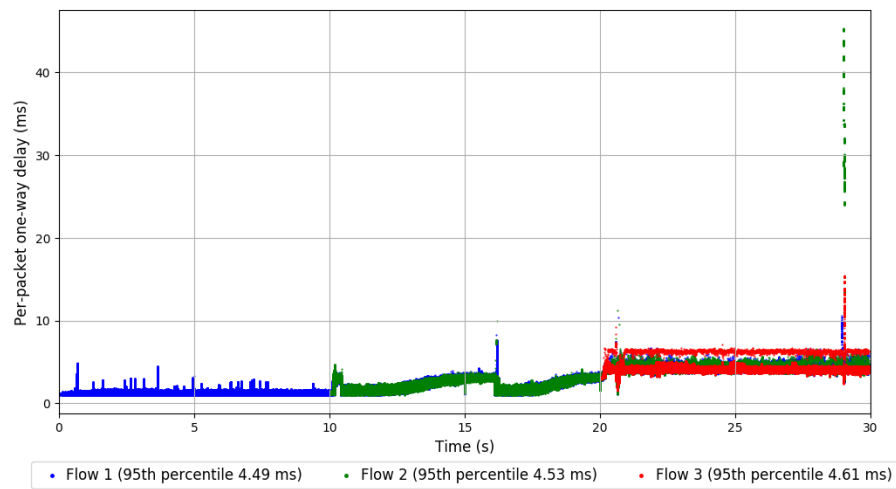
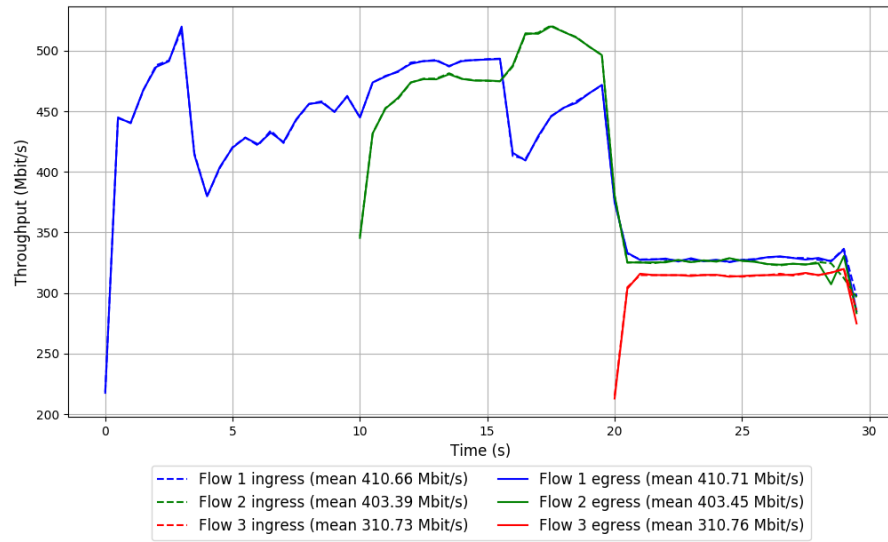


Run 5: Statistics of TCP Cubic

Start at: 2017-12-05 20:19:33
End at: 2017-12-05 20:20:03
Local clock offset: 1.506 ms
Remote clock offset: -0.891 ms

Below is generated by plot.py at 2017-12-06 02:18:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 781.83 Mbit/s
95th percentile per-packet one-way delay: 4.513 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 410.71 Mbit/s
95th percentile per-packet one-way delay: 4.485 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 403.45 Mbit/s
95th percentile per-packet one-way delay: 4.525 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 310.76 Mbit/s
95th percentile per-packet one-way delay: 4.609 ms
Loss rate: 0.22%

Run 5: Report of TCP Cubic — Data Link

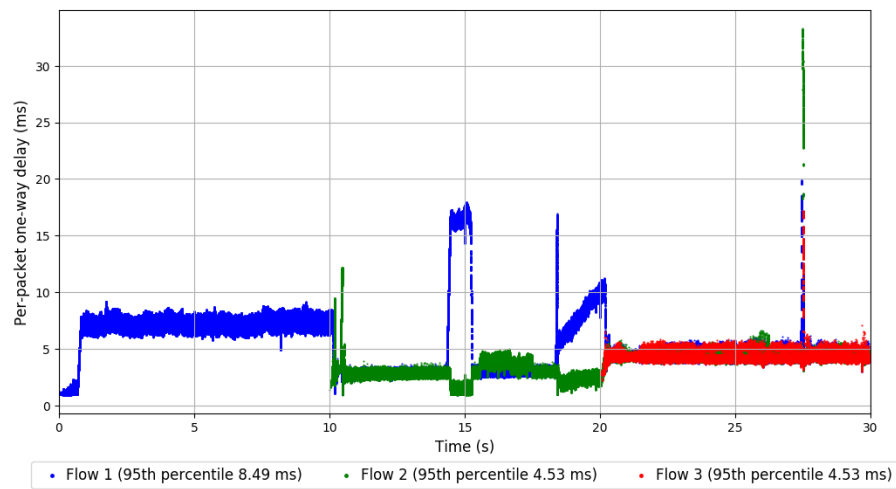
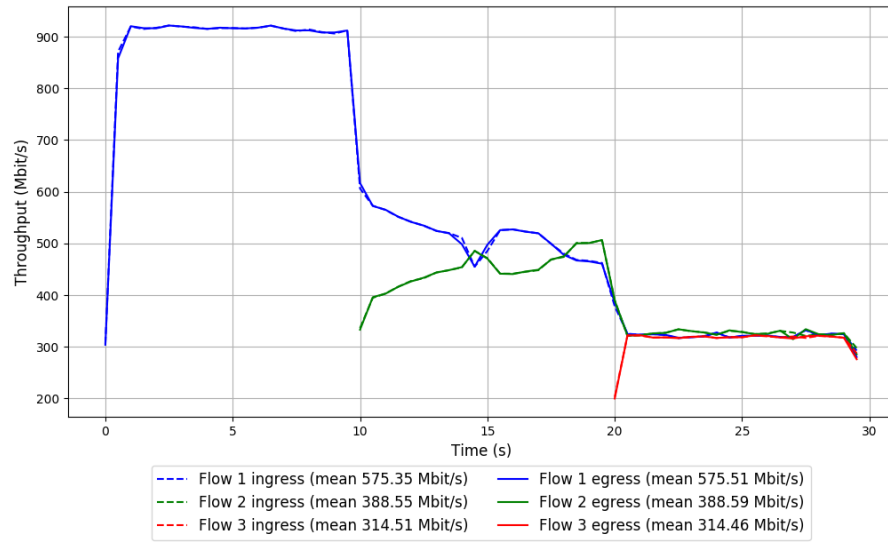


Run 6: Statistics of TCP Cubic

Start at: 2017-12-05 20:39:53
End at: 2017-12-05 20:40:23
Local clock offset: 1.314 ms
Remote clock offset: -1.109 ms

Below is generated by plot.py at 2017-12-06 02:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 938.12 Mbit/s
95th percentile per-packet one-way delay: 8.212 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 575.51 Mbit/s
95th percentile per-packet one-way delay: 8.490 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 388.59 Mbit/s
95th percentile per-packet one-way delay: 4.525 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 314.46 Mbit/s
95th percentile per-packet one-way delay: 4.534 ms
Loss rate: 0.23%

Run 6: Report of TCP Cubic — Data Link

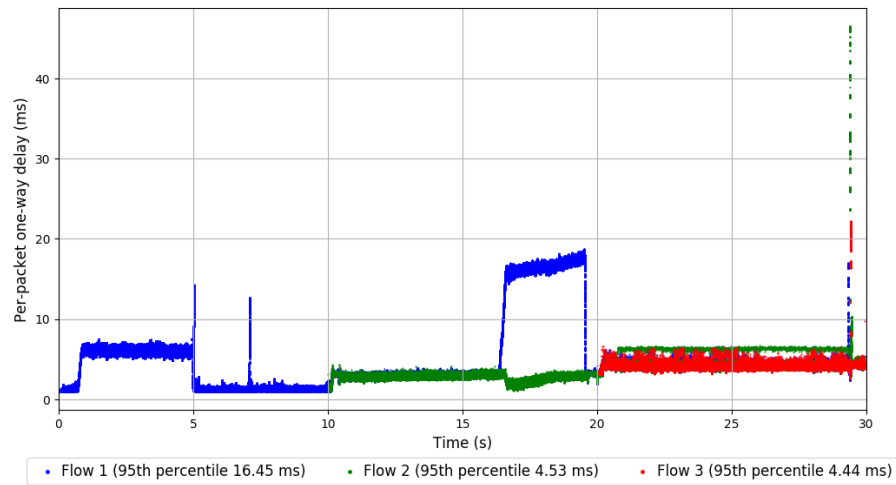
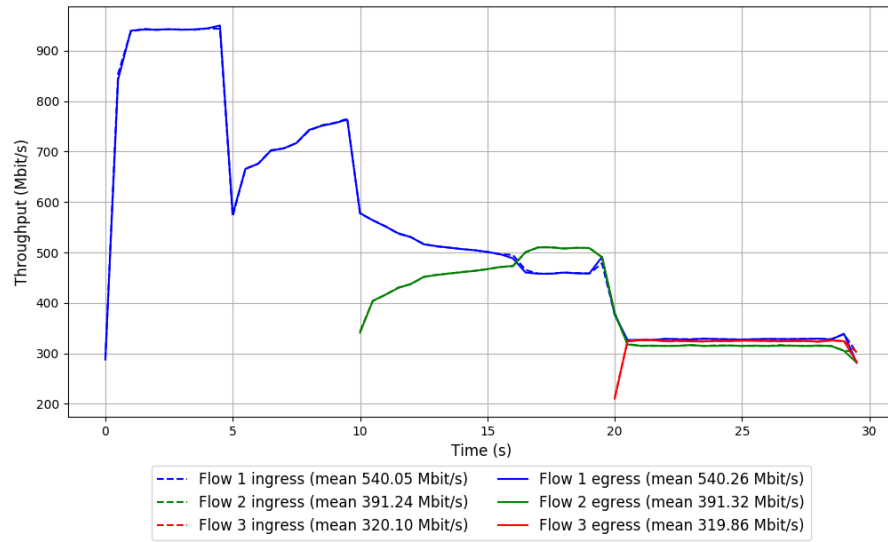


Run 7: Statistics of TCP Cubic

Start at: 2017-12-05 21:00:13
End at: 2017-12-05 21:00:43
Local clock offset: 1.253 ms
Remote clock offset: -1.093 ms

Below is generated by plot.py at 2017-12-06 02:23:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 906.43 Mbit/s
95th percentile per-packet one-way delay: 15.336 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 540.26 Mbit/s
95th percentile per-packet one-way delay: 16.445 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 391.32 Mbit/s
95th percentile per-packet one-way delay: 4.527 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 319.86 Mbit/s
95th percentile per-packet one-way delay: 4.443 ms
Loss rate: 0.35%

Run 7: Report of TCP Cubic — Data Link

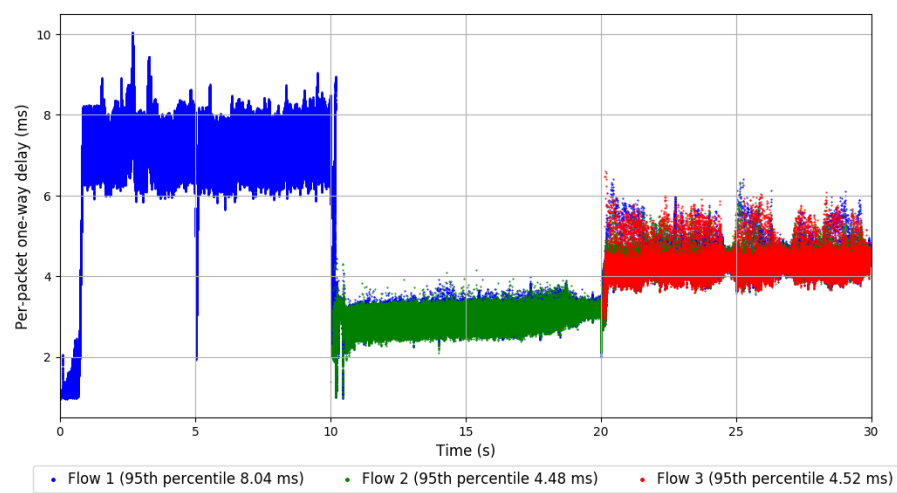
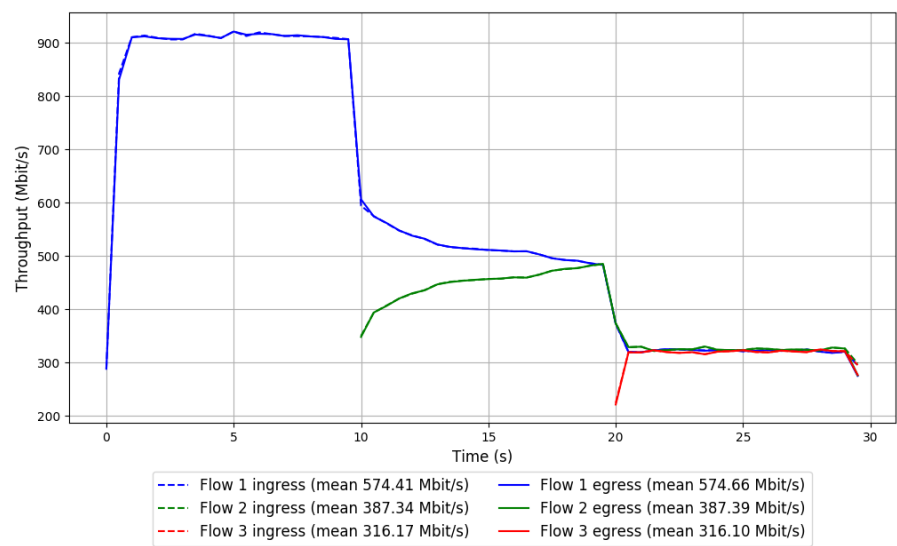


Run 8: Statistics of TCP Cubic

Start at: 2017-12-05 21:20:56
End at: 2017-12-05 21:21:26
Local clock offset: 1.339 ms
Remote clock offset: -0.858 ms

Below is generated by plot.py at 2017-12-06 02:30:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 937.23 Mbit/s
95th percentile per-packet one-way delay: 7.927 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 574.66 Mbit/s
95th percentile per-packet one-way delay: 8.039 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 387.39 Mbit/s
95th percentile per-packet one-way delay: 4.476 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 316.10 Mbit/s
95th percentile per-packet one-way delay: 4.523 ms
Loss rate: 0.35%

Run 8: Report of TCP Cubic — Data Link

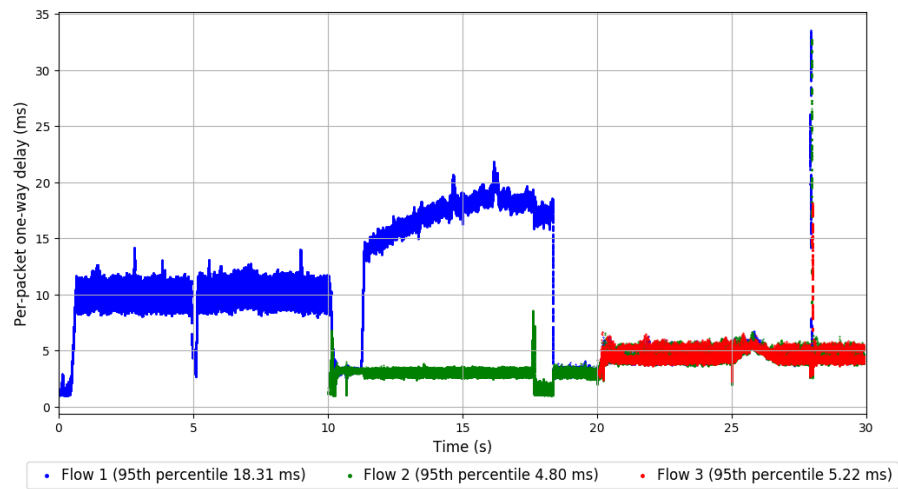
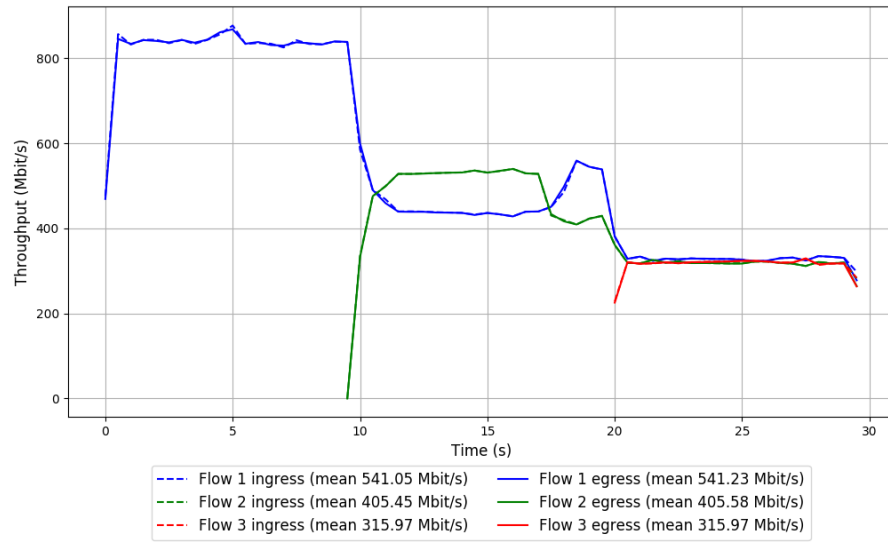


Run 9: Statistics of TCP Cubic

Start at: 2017-12-05 21:41:43
End at: 2017-12-05 21:42:13
Local clock offset: 1.429 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2017-12-06 02:30:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 915.97 Mbit/s
95th percentile per-packet one-way delay: 17.786 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 541.23 Mbit/s
95th percentile per-packet one-way delay: 18.314 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 405.58 Mbit/s
95th percentile per-packet one-way delay: 4.801 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 315.97 Mbit/s
95th percentile per-packet one-way delay: 5.224 ms
Loss rate: 0.35%

Run 9: Report of TCP Cubic — Data Link

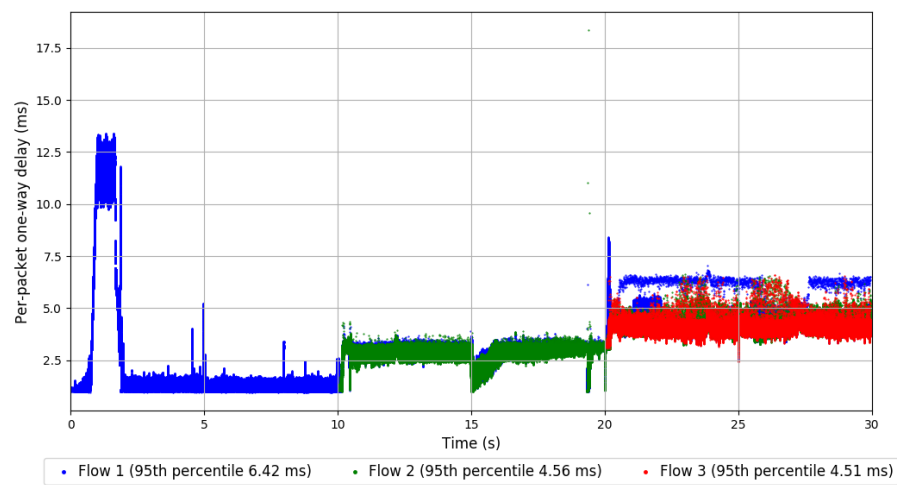
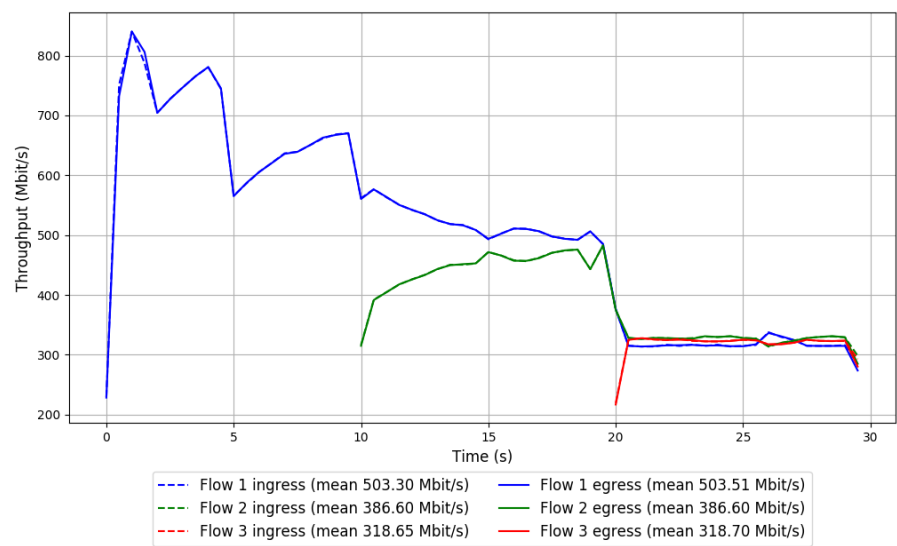


Run 10: Statistics of TCP Cubic

Start at: 2017-12-05 22:02:24
End at: 2017-12-05 22:02:54
Local clock offset: 1.295 ms
Remote clock offset: -1.113 ms

Below is generated by plot.py at 2017-12-06 02:30:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 866.07 Mbit/s
95th percentile per-packet one-way delay: 4.754 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 503.51 Mbit/s
95th percentile per-packet one-way delay: 6.425 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 386.60 Mbit/s
95th percentile per-packet one-way delay: 4.557 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.70 Mbit/s
95th percentile per-packet one-way delay: 4.510 ms
Loss rate: 0.23%

Run 10: Report of TCP Cubic — Data Link

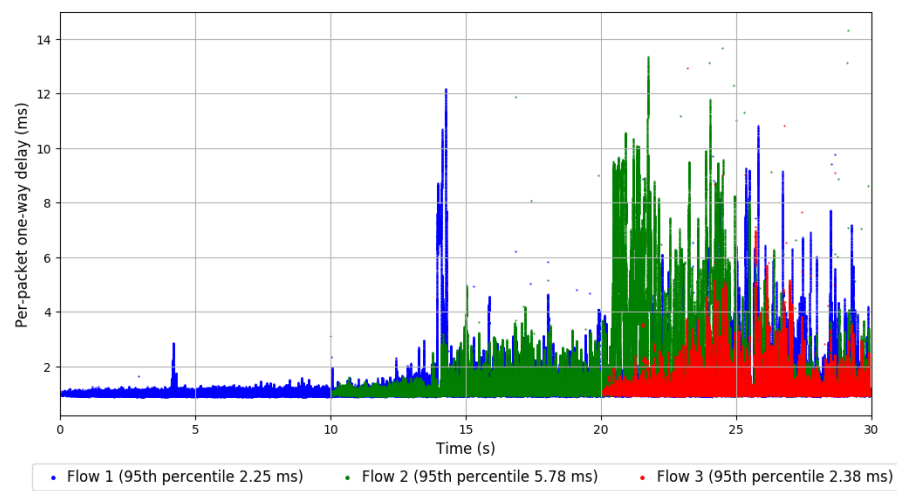
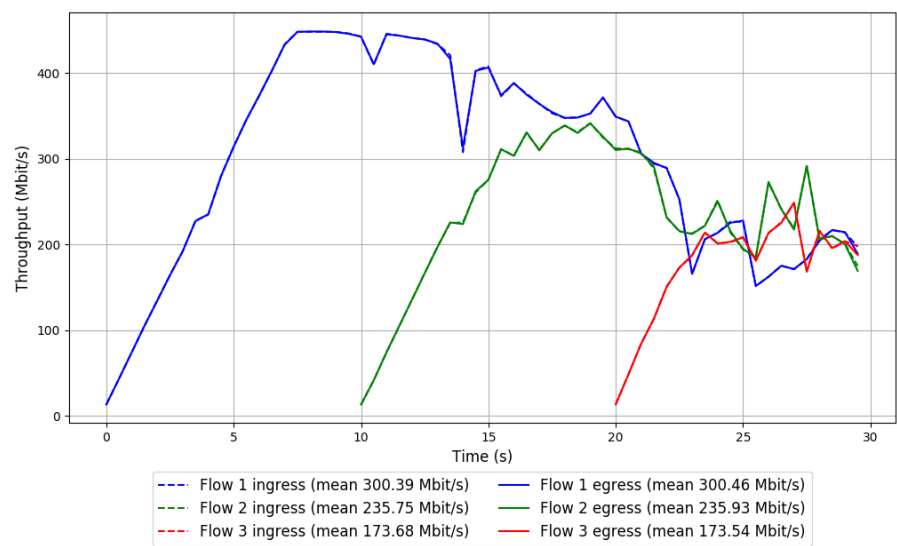


Run 1: Statistics of LEDBAT

Start at: 2017-12-05 19:13:15
End at: 2017-12-05 19:13:45
Local clock offset: 1.414 ms
Remote clock offset: -2.123 ms

Below is generated by plot.py at 2017-12-06 02:30:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.75 Mbit/s
95th percentile per-packet one-way delay: 3.255 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 300.46 Mbit/s
95th percentile per-packet one-way delay: 2.246 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 235.93 Mbit/s
95th percentile per-packet one-way delay: 5.776 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 173.54 Mbit/s
95th percentile per-packet one-way delay: 2.376 ms
Loss rate: 0.32%

Run 1: Report of LEDBAT — Data Link

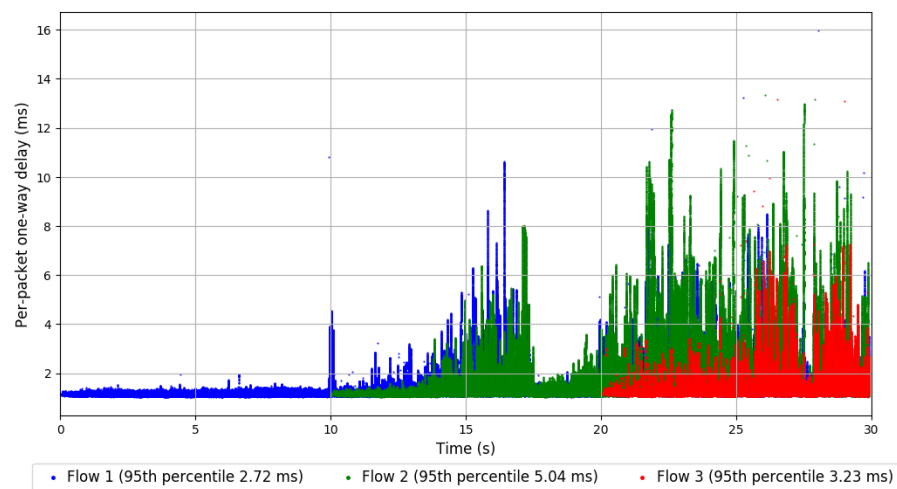
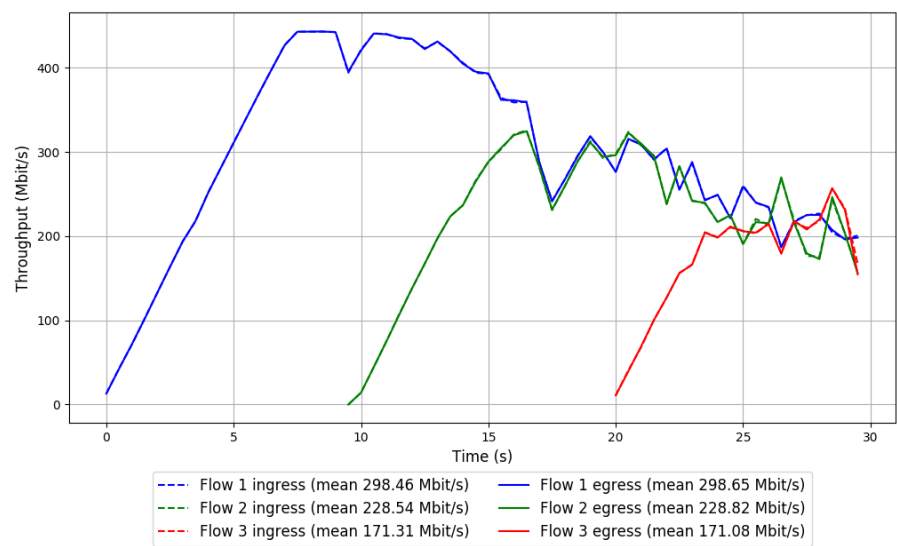


Run 2: Statistics of LEDBAT

Start at: 2017-12-05 19:33:59
End at: 2017-12-05 19:34:29
Local clock offset: 1.457 ms
Remote clock offset: -1.751 ms

Below is generated by plot.py at 2017-12-06 02:30:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.43 Mbit/s
95th percentile per-packet one-way delay: 3.671 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 298.65 Mbit/s
95th percentile per-packet one-way delay: 2.720 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 228.82 Mbit/s
95th percentile per-packet one-way delay: 5.039 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 171.08 Mbit/s
95th percentile per-packet one-way delay: 3.230 ms
Loss rate: 0.42%

Run 2: Report of LEDBAT — Data Link

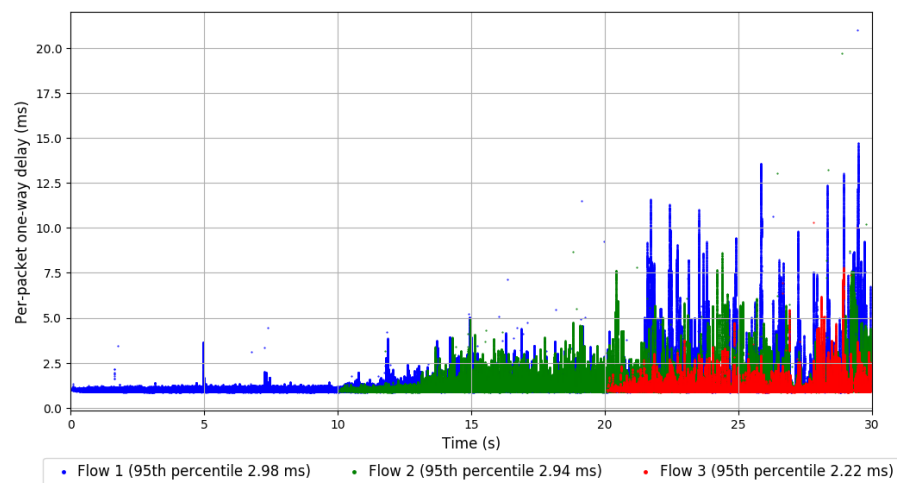
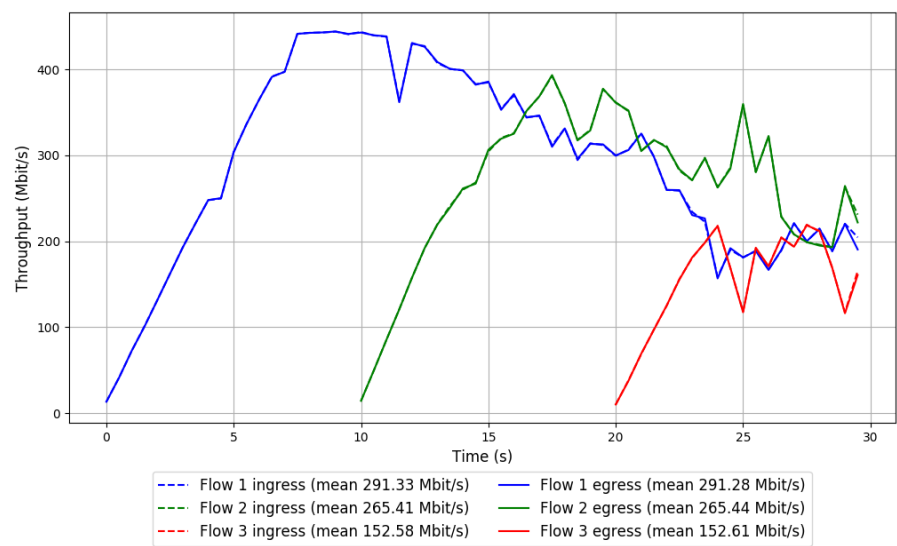


Run 3: Statistics of LEDBAT

Start at: 2017-12-05 19:54:30
End at: 2017-12-05 19:55:00
Local clock offset: 1.338 ms
Remote clock offset: -1.268 ms

Below is generated by plot.py at 2017-12-06 02:30:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 518.12 Mbit/s
95th percentile per-packet one-way delay: 2.876 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 291.28 Mbit/s
95th percentile per-packet one-way delay: 2.982 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 265.44 Mbit/s
95th percentile per-packet one-way delay: 2.943 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 152.61 Mbit/s
95th percentile per-packet one-way delay: 2.221 ms
Loss rate: 0.20%

Run 3: Report of LEDBAT — Data Link

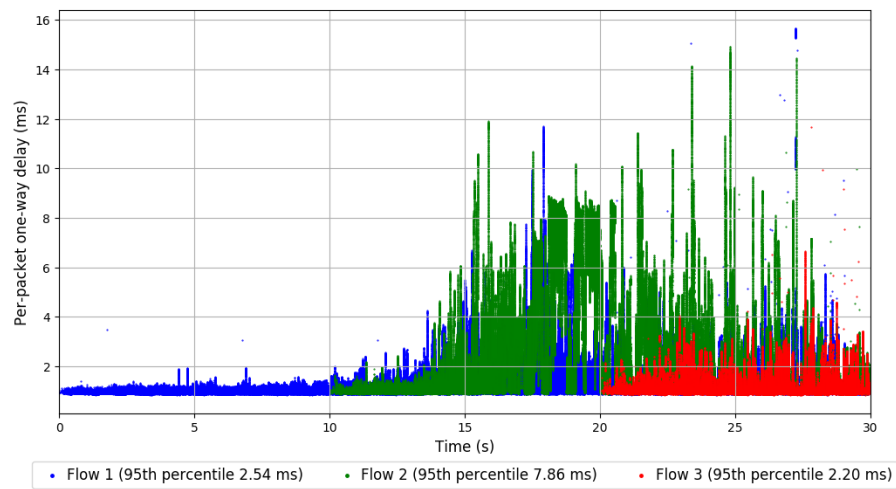
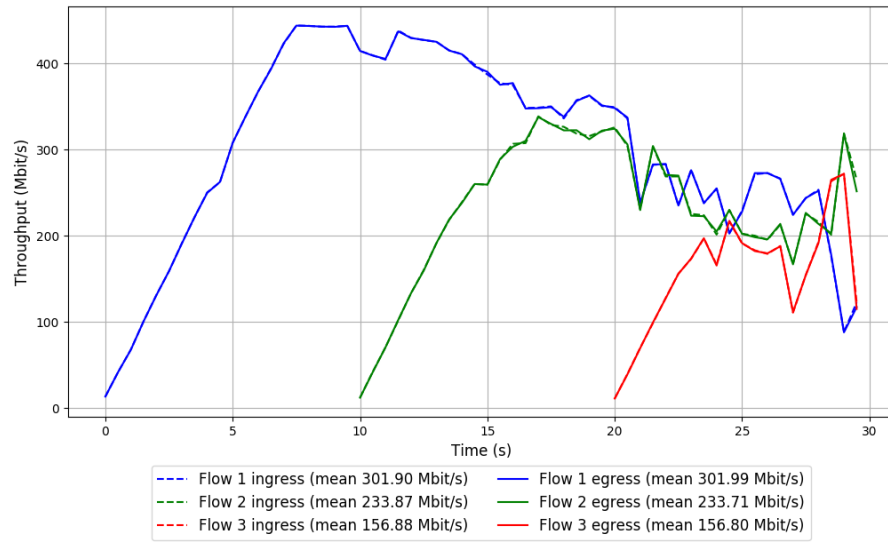


Run 4: Statistics of LEDBAT

Start at: 2017-12-05 20:15:08
End at: 2017-12-05 20:15:38
Local clock offset: 1.392 ms
Remote clock offset: -0.832 ms

Below is generated by plot.py at 2017-12-06 02:30:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 509.23 Mbit/s
95th percentile per-packet one-way delay: 5.234 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 301.99 Mbit/s
95th percentile per-packet one-way delay: 2.540 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 233.71 Mbit/s
95th percentile per-packet one-way delay: 7.858 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 156.80 Mbit/s
95th percentile per-packet one-way delay: 2.198 ms
Loss rate: 0.22%

Run 4: Report of LEDBAT — Data Link

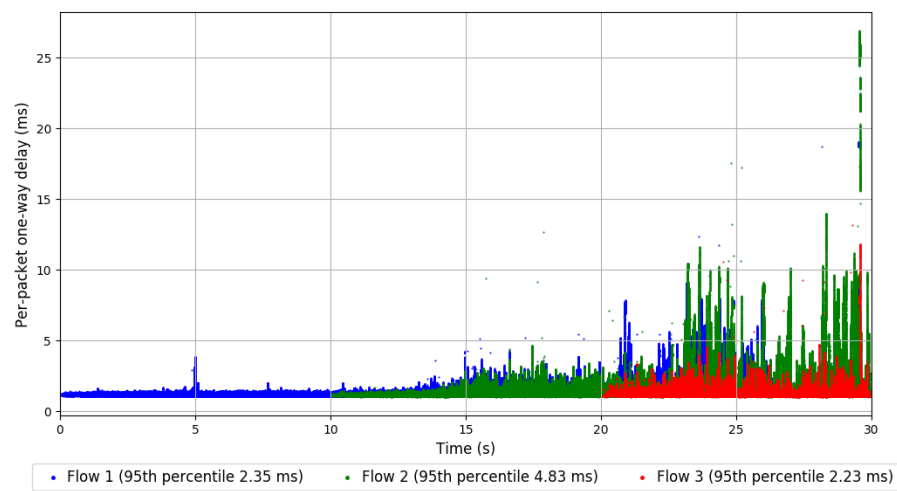
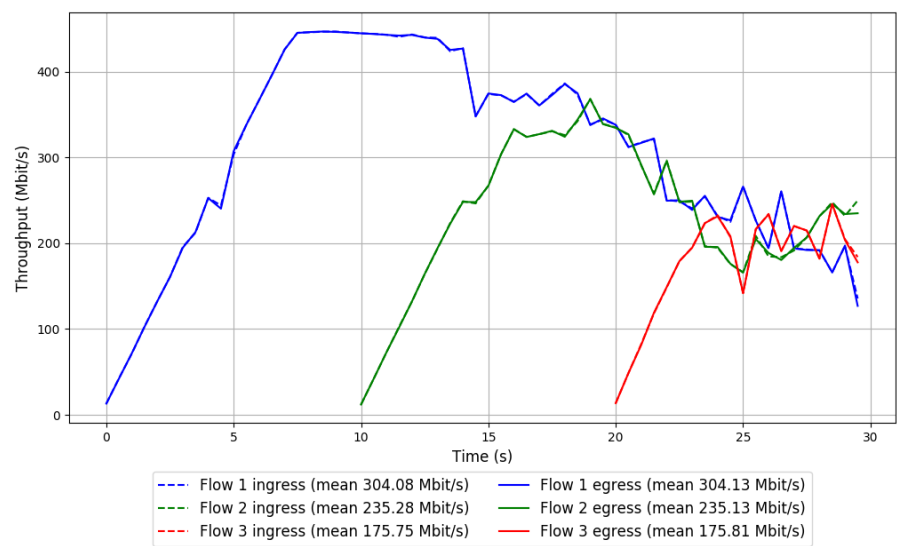


Run 5: Statistics of LEDBAT

Start at: 2017-12-05 20:35:34
End at: 2017-12-05 20:36:04
Local clock offset: 1.428 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2017-12-06 02:31:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 518.53 Mbit/s
95th percentile per-packet one-way delay: 2.853 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 304.13 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 235.13 Mbit/s
95th percentile per-packet one-way delay: 4.832 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 2.234 ms
Loss rate: 0.21%

Run 5: Report of LEDBAT — Data Link

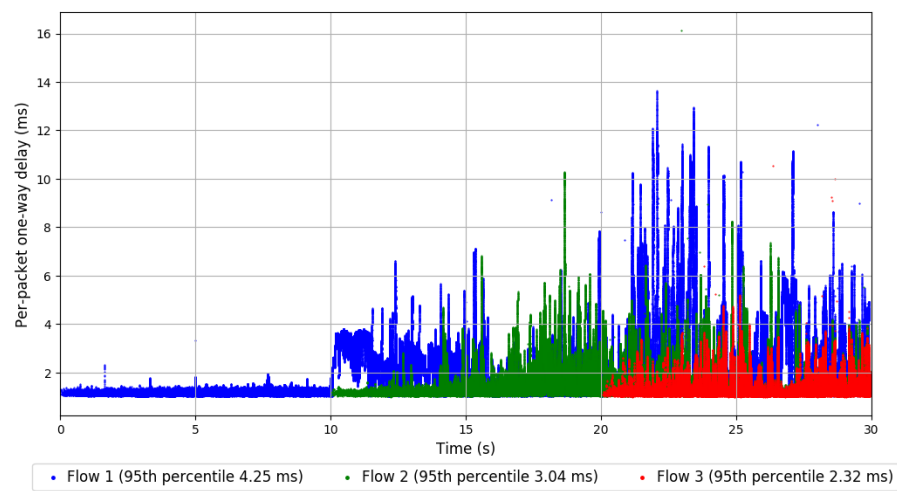
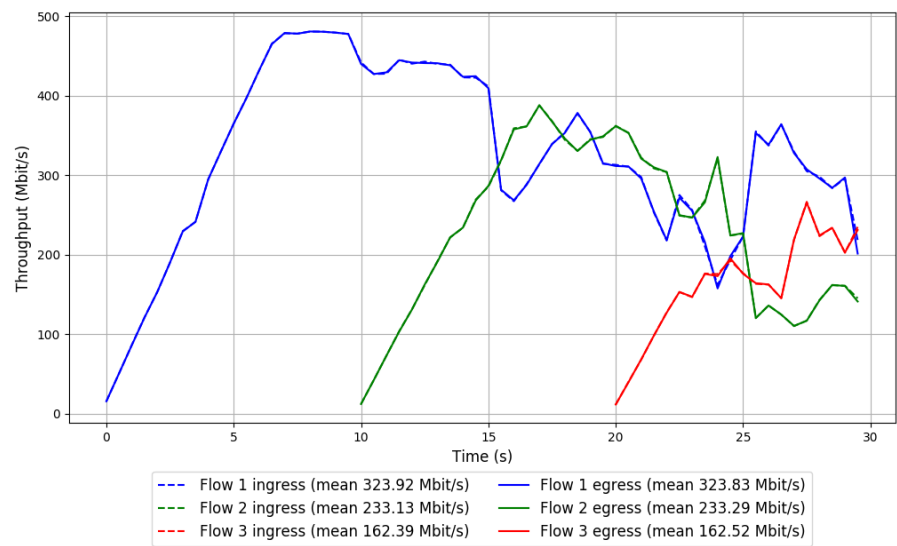


Run 6: Statistics of LEDBAT

Start at: 2017-12-05 20:55:49
End at: 2017-12-05 20:56:19
Local clock offset: 1.304 ms
Remote clock offset: -1.143 ms

Below is generated by plot.py at 2017-12-06 02:34:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.68 Mbit/s
95th percentile per-packet one-way delay: 3.681 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 323.83 Mbit/s
95th percentile per-packet one-way delay: 4.252 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 233.29 Mbit/s
95th percentile per-packet one-way delay: 3.035 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 162.52 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.12%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-12-05 21:16:33

End at: 2017-12-05 21:17:03

Local clock offset: 1.418 ms

Remote clock offset: -0.94 ms

Below is generated by plot.py at 2017-12-06 02:34:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 522.63 Mbit/s

95th percentile per-packet one-way delay: 3.778 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 308.89 Mbit/s

95th percentile per-packet one-way delay: 2.123 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 242.07 Mbit/s

95th percentile per-packet one-way delay: 7.623 ms

Loss rate: 0.11%

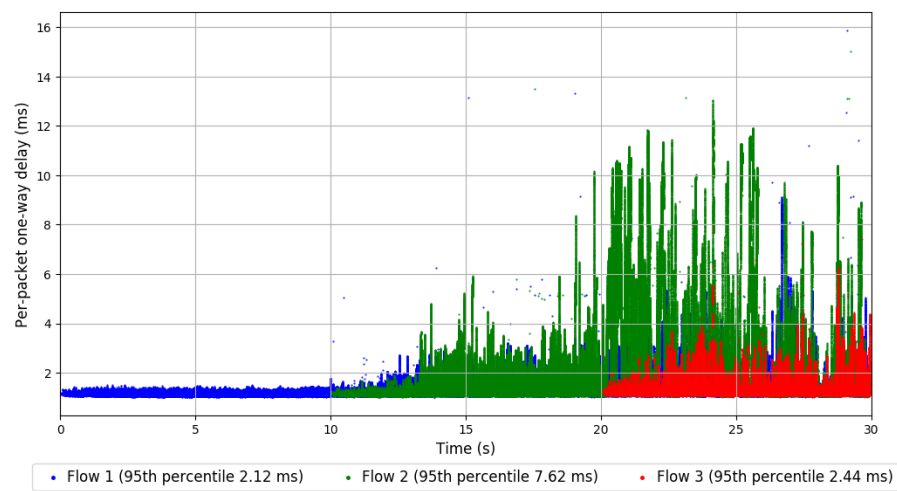
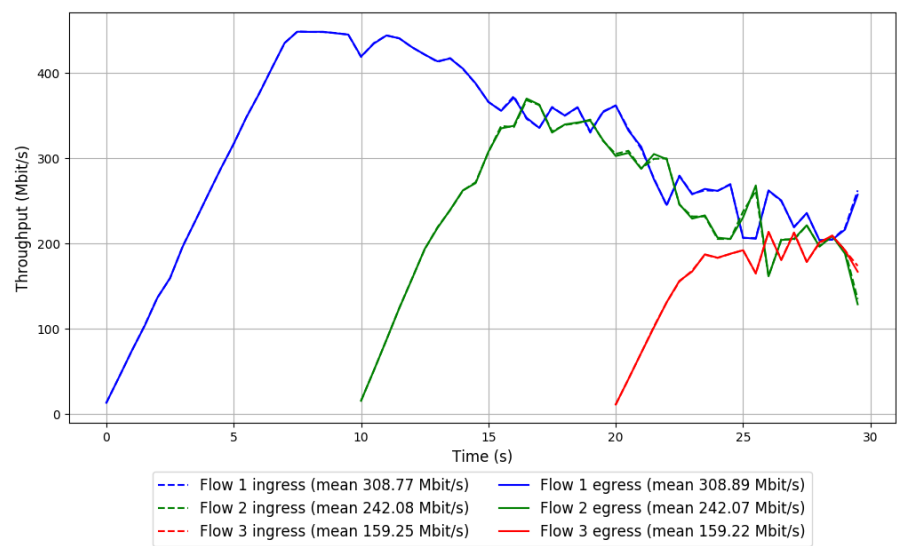
-- Flow 3:

Average throughput: 159.22 Mbit/s

95th percentile per-packet one-way delay: 2.435 ms

Loss rate: 0.22%

Run 7: Report of LEDBAT — Data Link

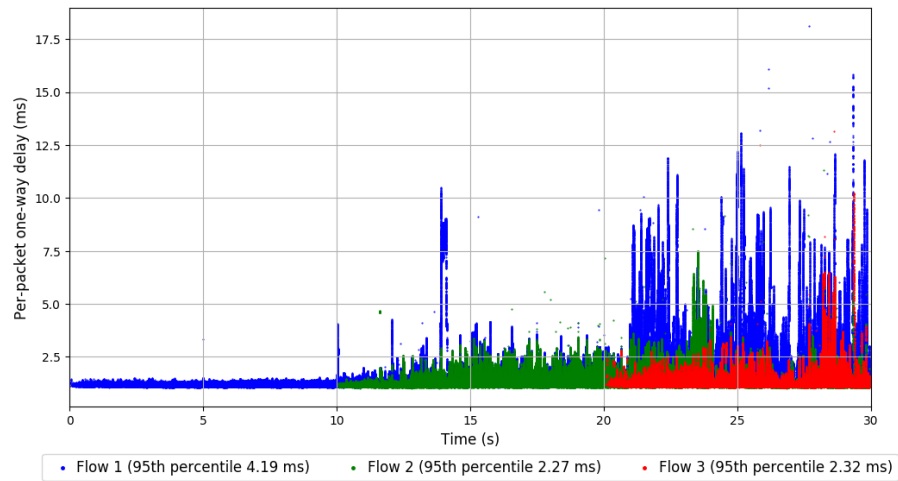
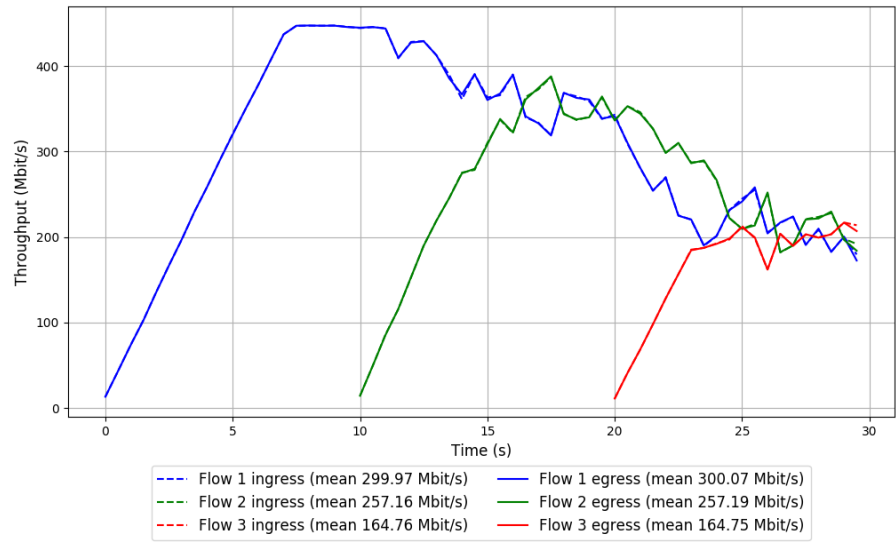


Run 8: Statistics of LEDBAT

Start at: 2017-12-05 21:37:20
End at: 2017-12-05 21:37:50
Local clock offset: 1.445 ms
Remote clock offset: -1.117 ms

Below is generated by plot.py at 2017-12-06 02:34:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 525.57 Mbit/s
95th percentile per-packet one-way delay: 3.109 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 300.07 Mbit/s
95th percentile per-packet one-way delay: 4.192 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 257.19 Mbit/s
95th percentile per-packet one-way delay: 2.273 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 164.75 Mbit/s
95th percentile per-packet one-way delay: 2.322 ms
Loss rate: 0.23%

Run 8: Report of LEDBAT — Data Link

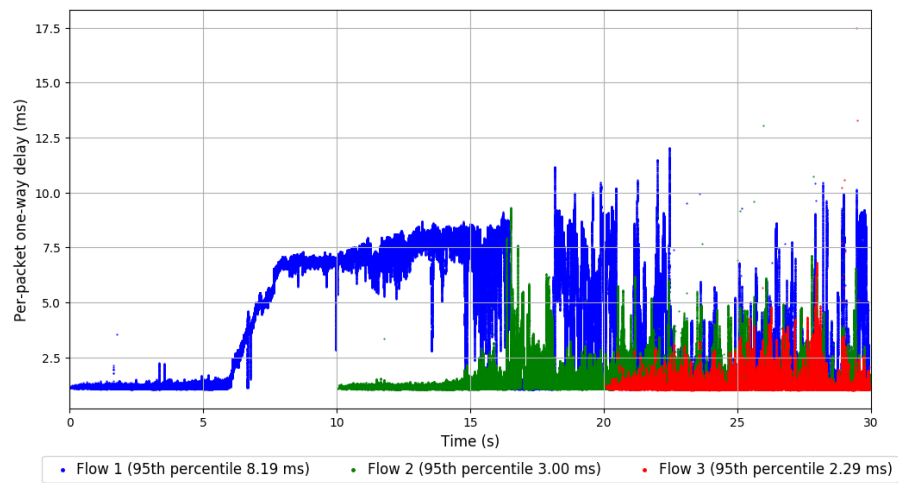
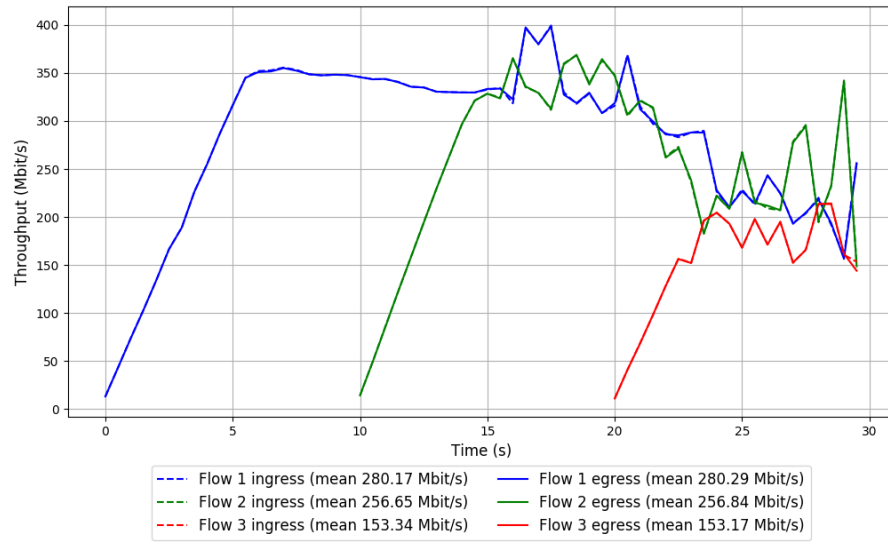


Run 9: Statistics of LEDBAT

Start at: 2017-12-05 21:58:01
End at: 2017-12-05 21:58:31
Local clock offset: 1.331 ms
Remote clock offset: -1.101 ms

Below is generated by plot.py at 2017-12-06 02:34:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 501.70 Mbit/s
95th percentile per-packet one-way delay: 7.998 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 280.29 Mbit/s
95th percentile per-packet one-way delay: 8.189 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 256.84 Mbit/s
95th percentile per-packet one-way delay: 3.003 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 153.17 Mbit/s
95th percentile per-packet one-way delay: 2.289 ms
Loss rate: 0.31%

Run 9: Report of LEDBAT — Data Link

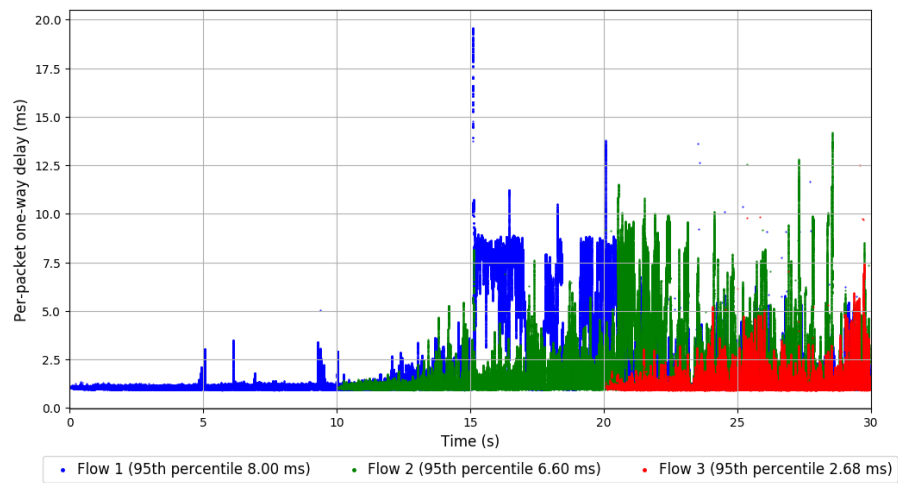
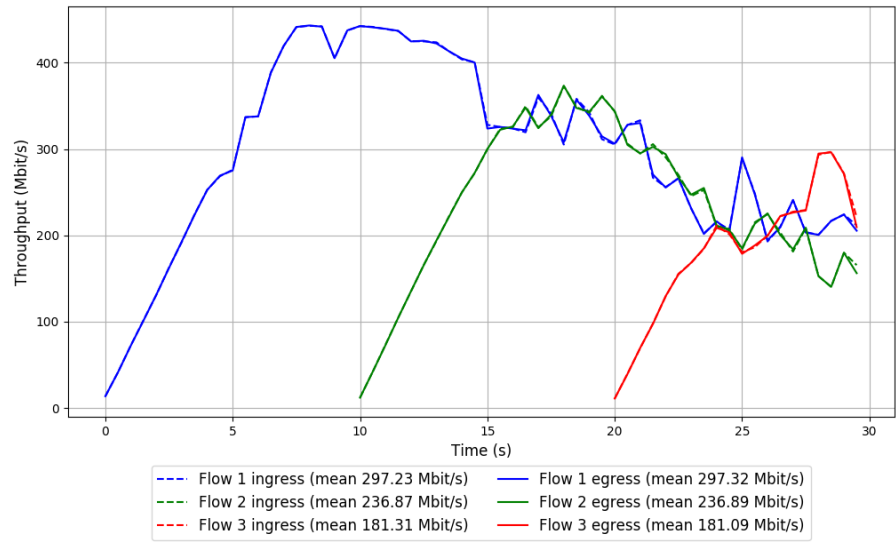


Run 10: Statistics of LEDBAT

Start at: 2017-12-05 22:18:19
End at: 2017-12-05 22:18:49
Local clock offset: 1.167 ms
Remote clock offset: -1.112 ms

Below is generated by plot.py at 2017-12-06 02:37:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.65 Mbit/s
95th percentile per-packet one-way delay: 7.634 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 297.32 Mbit/s
95th percentile per-packet one-way delay: 8.000 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 236.89 Mbit/s
95th percentile per-packet one-way delay: 6.598 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 181.09 Mbit/s
95th percentile per-packet one-way delay: 2.682 ms
Loss rate: 0.36%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2017-12-05 19:00:01

End at: 2017-12-05 19:00:31

Local clock offset: 1.397 ms

Remote clock offset: -2.48 ms

Below is generated by plot.py at 2017-12-06 02:41:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 773.05 Mbit/s

95th percentile per-packet one-way delay: 3.515 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 487.12 Mbit/s

95th percentile per-packet one-way delay: 3.089 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 299.43 Mbit/s

95th percentile per-packet one-way delay: 3.583 ms

Loss rate: 0.08%

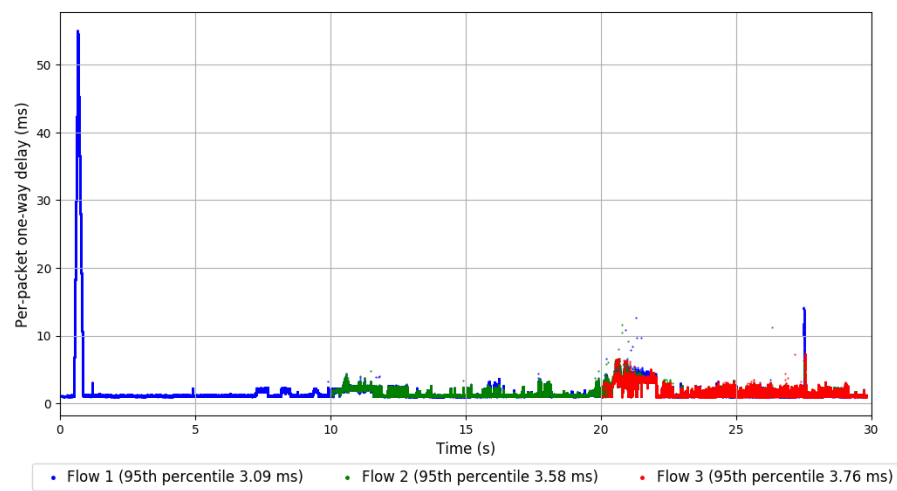
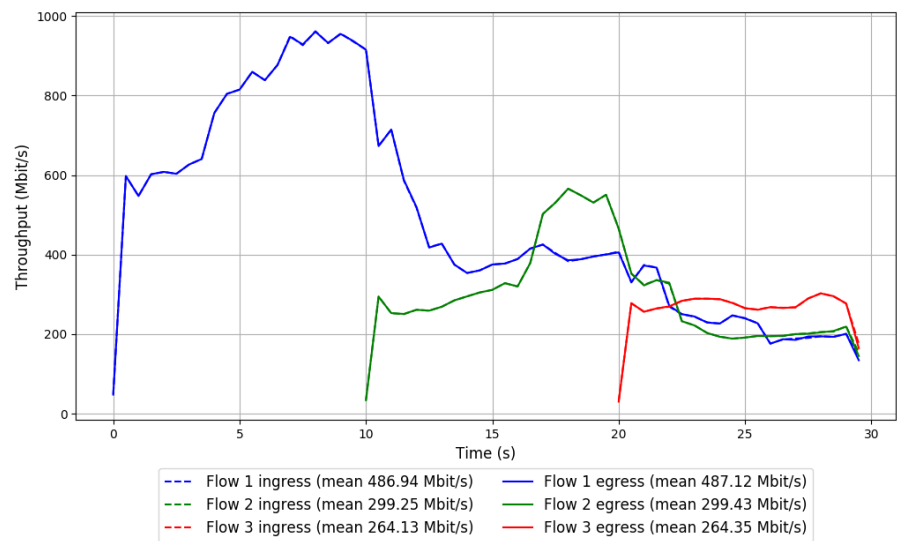
-- Flow 3:

Average throughput: 264.35 Mbit/s

95th percentile per-packet one-way delay: 3.759 ms

Loss rate: 0.23%

Run 1: Report of PCC — Data Link

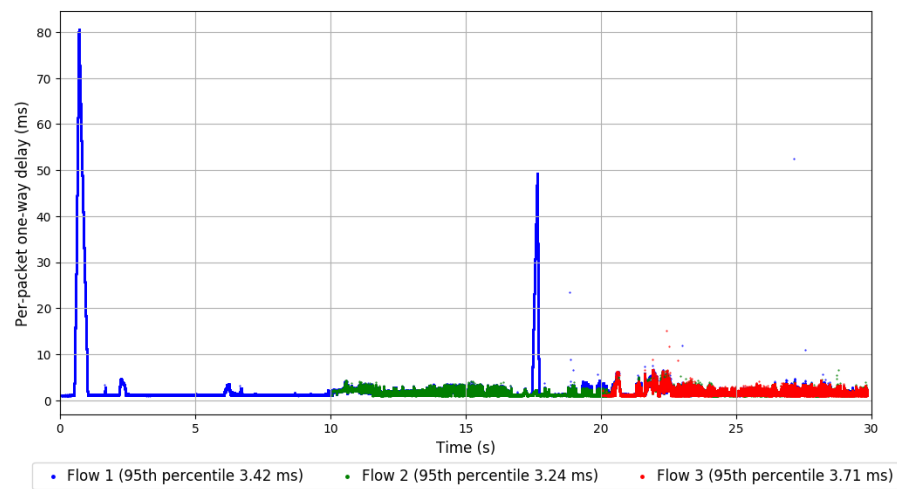
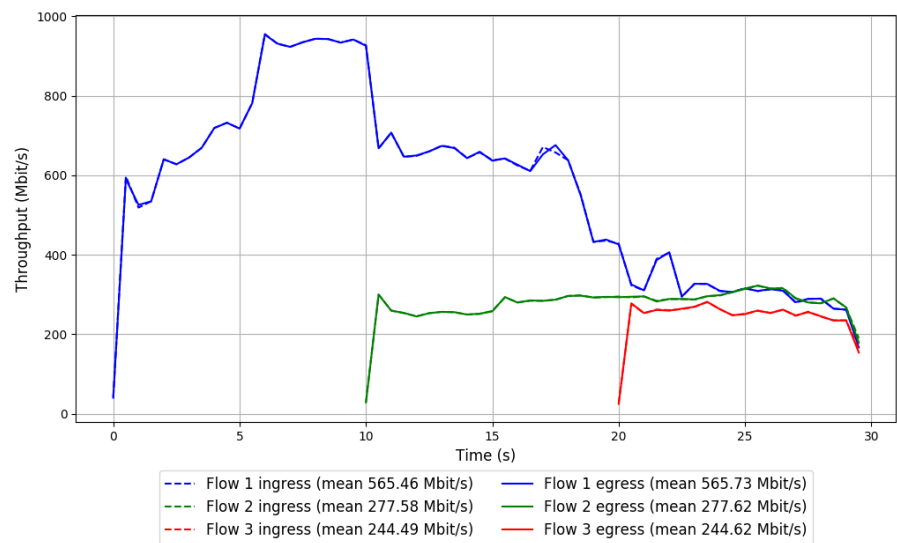


Run 2: Statistics of PCC

Start at: 2017-12-05 19:20:42
End at: 2017-12-05 19:21:12
Local clock offset: 1.482 ms
Remote clock offset: -1.992 ms

Below is generated by plot.py at 2017-12-06 02:43:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 830.51 Mbit/s
95th percentile per-packet one-way delay: 3.439 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 565.73 Mbit/s
95th percentile per-packet one-way delay: 3.424 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 277.62 Mbit/s
95th percentile per-packet one-way delay: 3.237 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 244.62 Mbit/s
95th percentile per-packet one-way delay: 3.711 ms
Loss rate: 0.20%

Run 2: Report of PCC — Data Link

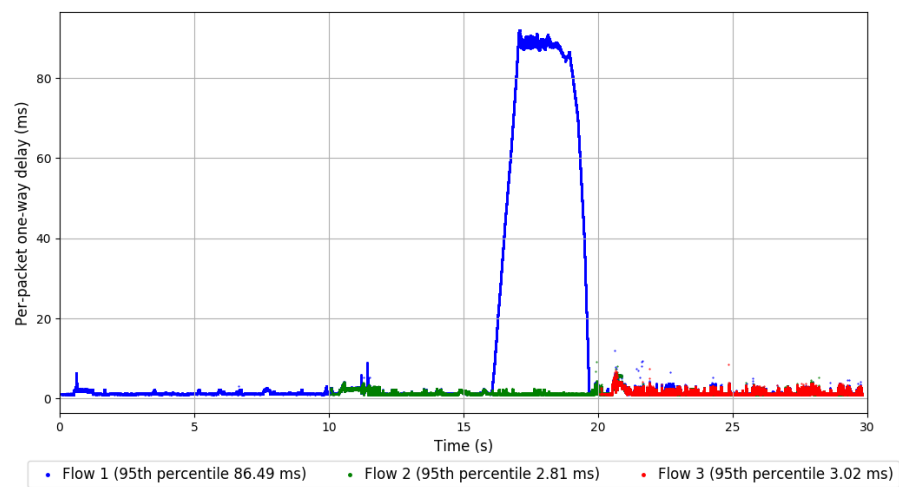
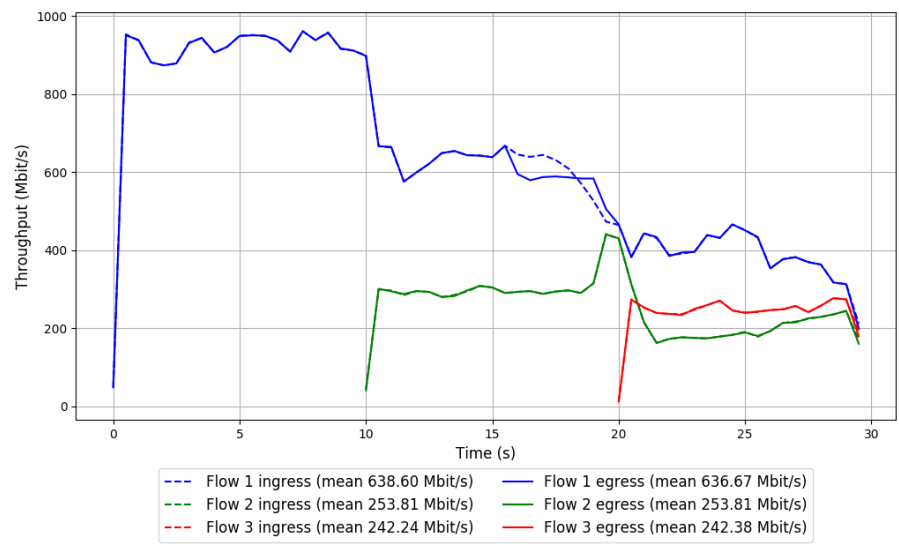


Run 3: Statistics of PCC

Start at: 2017-12-05 19:41:14
End at: 2017-12-05 19:41:44
Local clock offset: 1.467 ms
Remote clock offset: -1.461 ms

Below is generated by plot.py at 2017-12-06 02:45:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 884.82 Mbit/s
95th percentile per-packet one-way delay: 74.187 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 636.67 Mbit/s
95th percentile per-packet one-way delay: 86.491 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 253.81 Mbit/s
95th percentile per-packet one-way delay: 2.806 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 242.38 Mbit/s
95th percentile per-packet one-way delay: 3.022 ms
Loss rate: 0.25%

Run 3: Report of PCC — Data Link

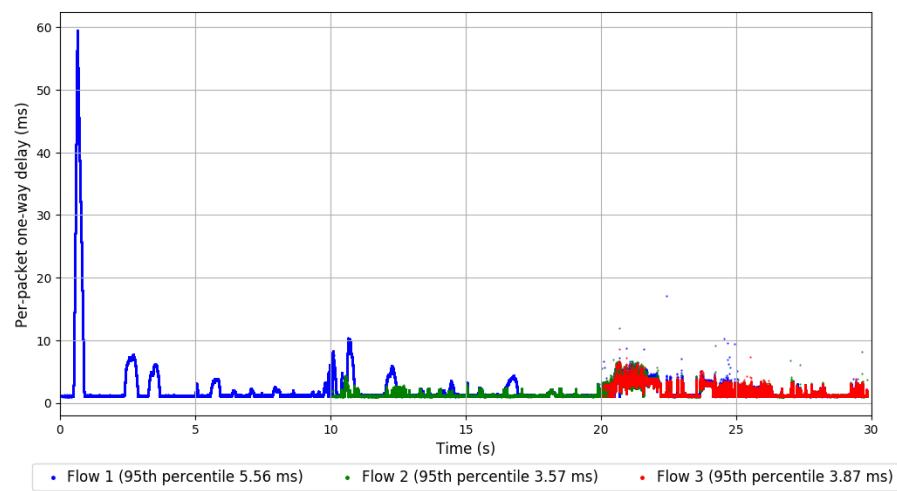
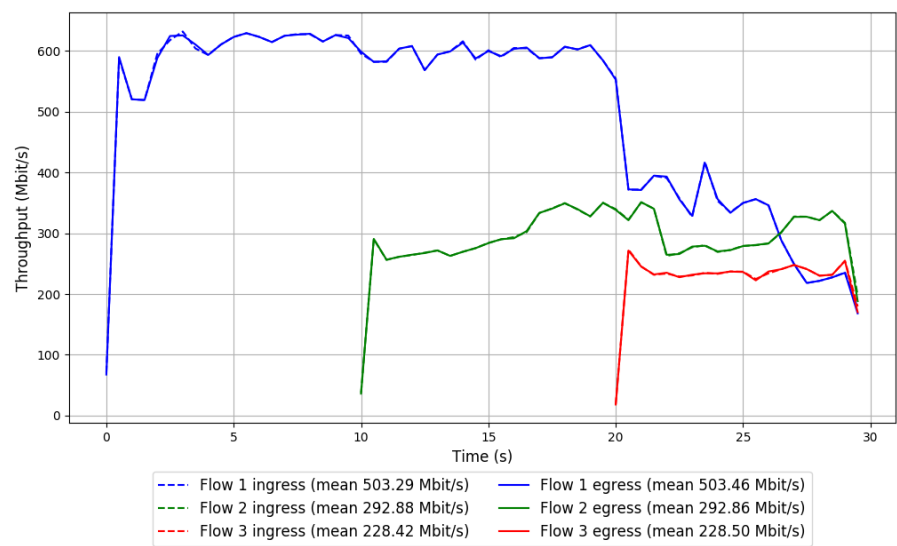


Run 4: Statistics of PCC

Start at: 2017-12-05 20:01:58
End at: 2017-12-05 20:02:28
Local clock offset: 1.487 ms
Remote clock offset: -1.152 ms

Below is generated by plot.py at 2017-12-06 02:45:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 773.08 Mbit/s
95th percentile per-packet one-way delay: 4.259 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 503.46 Mbit/s
95th percentile per-packet one-way delay: 5.557 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 292.86 Mbit/s
95th percentile per-packet one-way delay: 3.566 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 228.50 Mbit/s
95th percentile per-packet one-way delay: 3.873 ms
Loss rate: 0.24%

Run 4: Report of PCC — Data Link

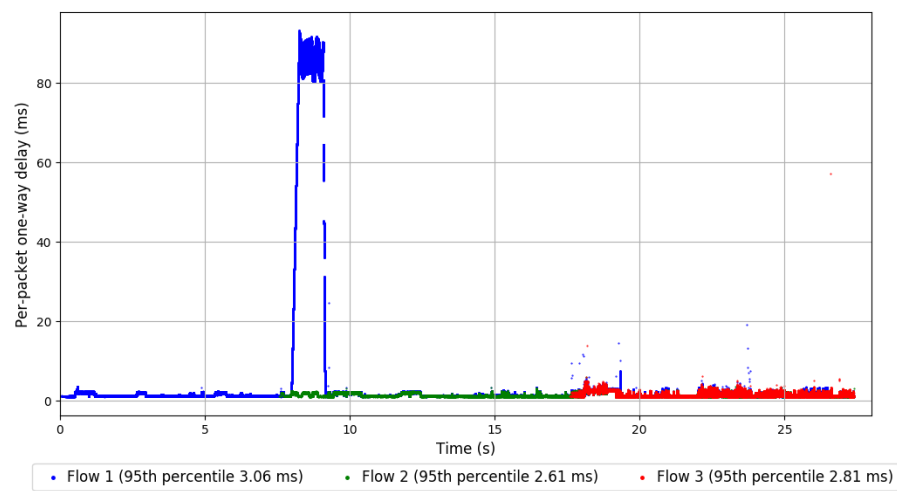
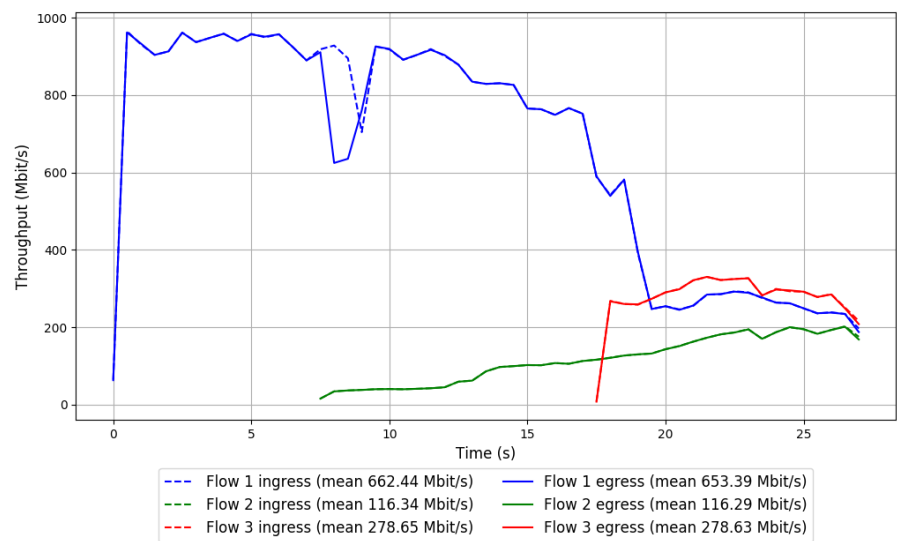


Run 5: Statistics of PCC

Start at: 2017-12-05 20:22:32
End at: 2017-12-05 20:23:02
Local clock offset: 1.46 ms
Remote clock offset: -0.935 ms

Below is generated by plot.py at 2017-12-06 02:45:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 837.26 Mbit/s
95th percentile per-packet one-way delay: 2.846 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 653.39 Mbit/s
95th percentile per-packet one-way delay: 3.060 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 116.29 Mbit/s
95th percentile per-packet one-way delay: 2.613 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 278.63 Mbit/s
95th percentile per-packet one-way delay: 2.805 ms
Loss rate: 0.20%

Run 5: Report of PCC — Data Link

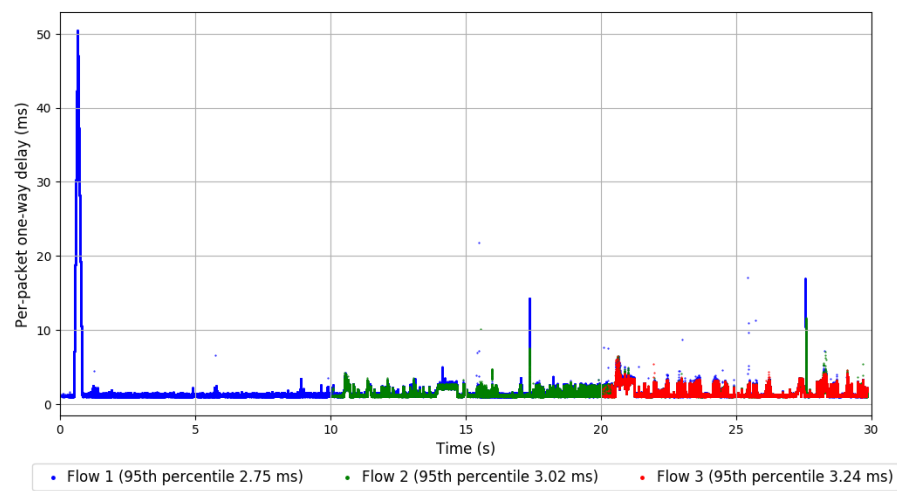
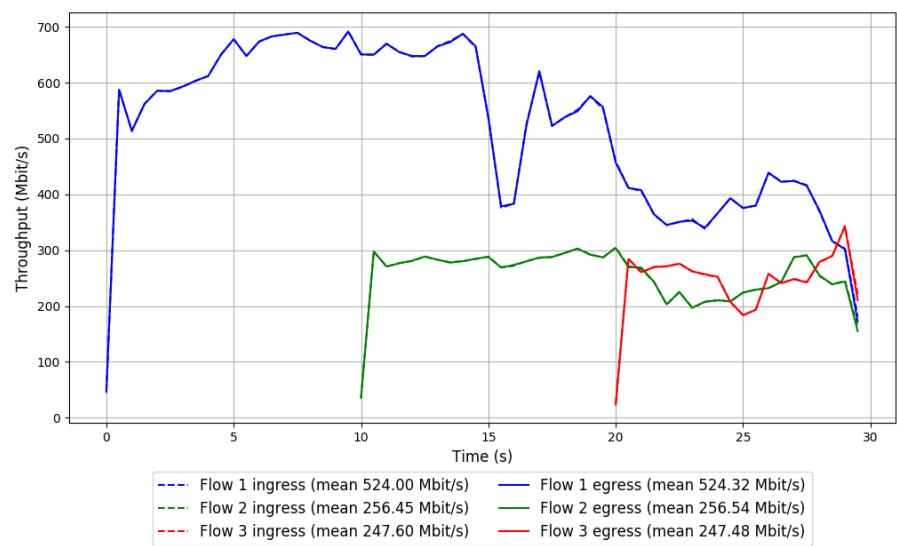


Run 6: Statistics of PCC

Start at: 2017-12-05 20:42:58
End at: 2017-12-05 20:43:28
Local clock offset: 1.29 ms
Remote clock offset: -1.054 ms

Below is generated by plot.py at 2017-12-06 02:45:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 776.12 Mbit/s
95th percentile per-packet one-way delay: 2.977 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 524.32 Mbit/s
95th percentile per-packet one-way delay: 2.752 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 256.54 Mbit/s
95th percentile per-packet one-way delay: 3.022 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 247.48 Mbit/s
95th percentile per-packet one-way delay: 3.237 ms
Loss rate: 0.26%

Run 6: Report of PCC — Data Link

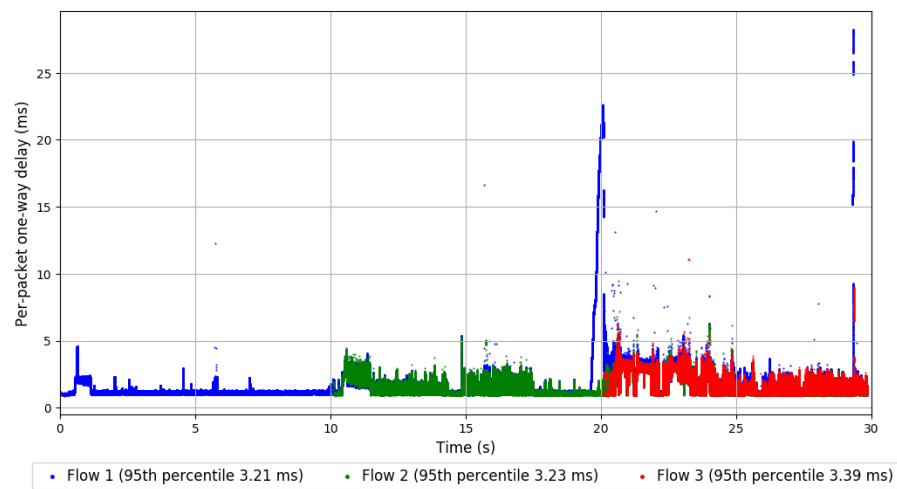
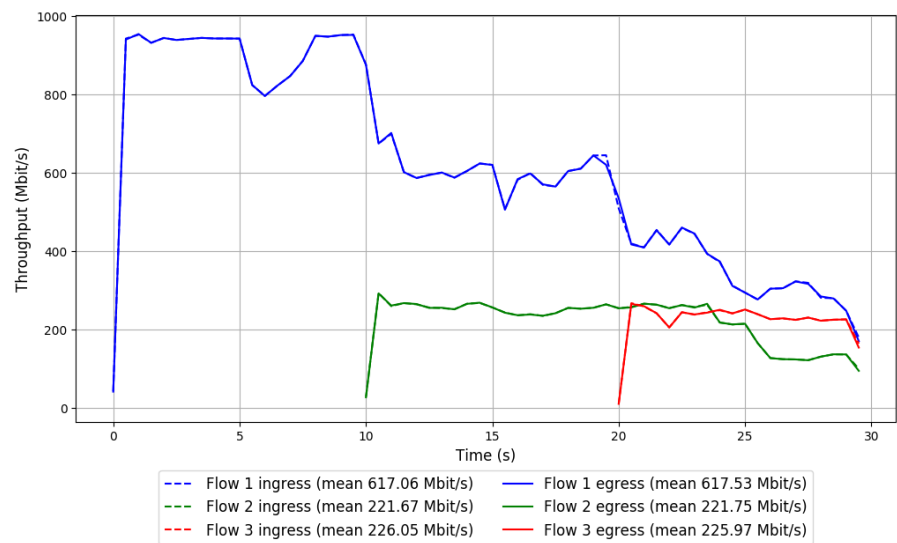


Run 7: Statistics of PCC

Start at: 2017-12-05 21:03:18
End at: 2017-12-05 21:03:48
Local clock offset: 1.339 ms
Remote clock offset: -0.969 ms

Below is generated by plot.py at 2017-12-06 02:46:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 838.95 Mbit/s
95th percentile per-packet one-way delay: 3.248 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 617.53 Mbit/s
95th percentile per-packet one-way delay: 3.210 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 221.75 Mbit/s
95th percentile per-packet one-way delay: 3.231 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 225.97 Mbit/s
95th percentile per-packet one-way delay: 3.393 ms
Loss rate: 0.24%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-12-05 21:24:02

End at: 2017-12-05 21:24:32

Local clock offset: 1.425 ms

Remote clock offset: -0.78 ms

Below is generated by plot.py at 2017-12-06 02:52:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 904.40 Mbit/s

95th percentile per-packet one-way delay: 4.092 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 622.84 Mbit/s

95th percentile per-packet one-way delay: 4.229 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 294.03 Mbit/s

95th percentile per-packet one-way delay: 3.942 ms

Loss rate: 0.10%

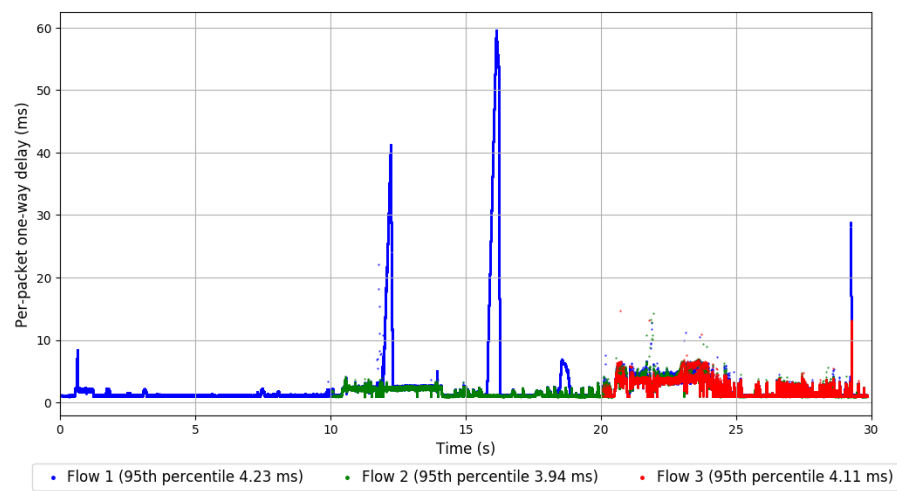
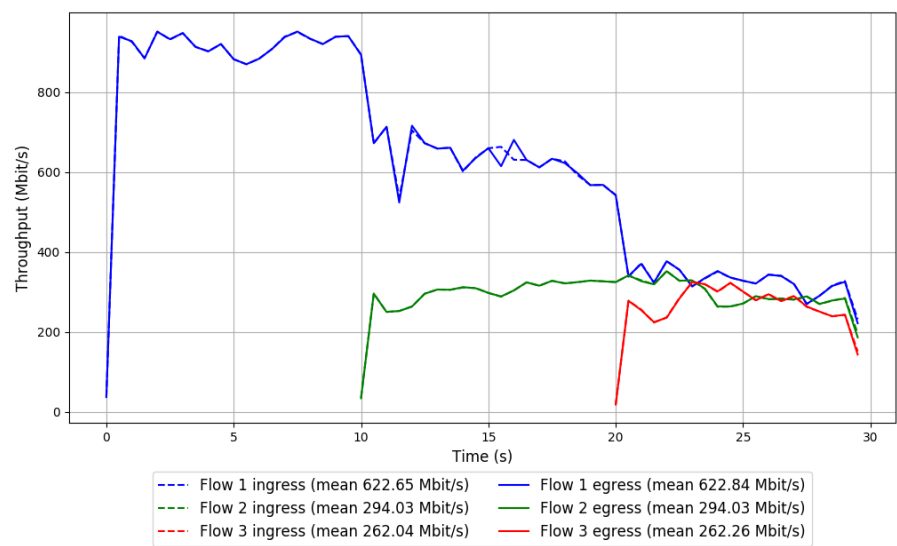
-- Flow 3:

Average throughput: 262.26 Mbit/s

95th percentile per-packet one-way delay: 4.105 ms

Loss rate: 0.16%

Run 8: Report of PCC — Data Link

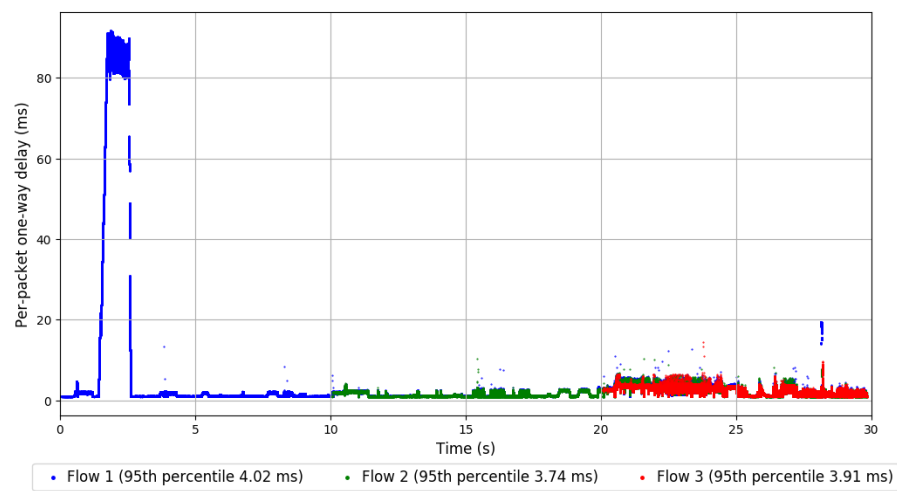
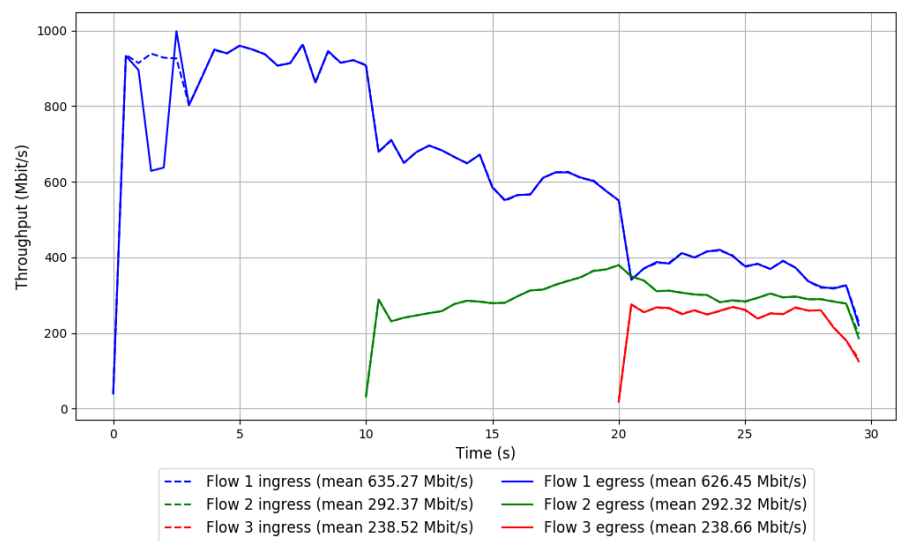


Run 9: Statistics of PCC

Start at: 2017-12-05 21:44:48
End at: 2017-12-05 21:45:18
Local clock offset: 1.318 ms
Remote clock offset: -1.138 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 899.12 Mbit/s
95th percentile per-packet one-way delay: 3.877 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 626.45 Mbit/s
95th percentile per-packet one-way delay: 4.017 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 292.32 Mbit/s
95th percentile per-packet one-way delay: 3.741 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 238.66 Mbit/s
95th percentile per-packet one-way delay: 3.909 ms
Loss rate: 0.16%

Run 9: Report of PCC — Data Link

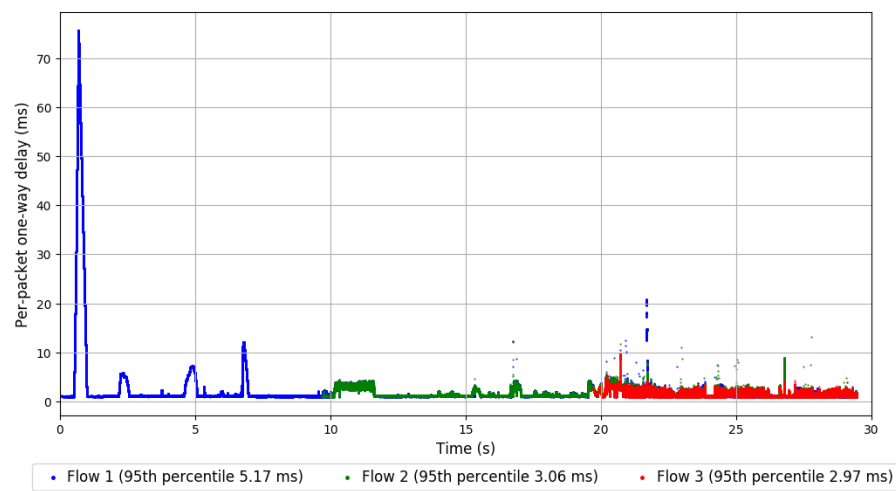
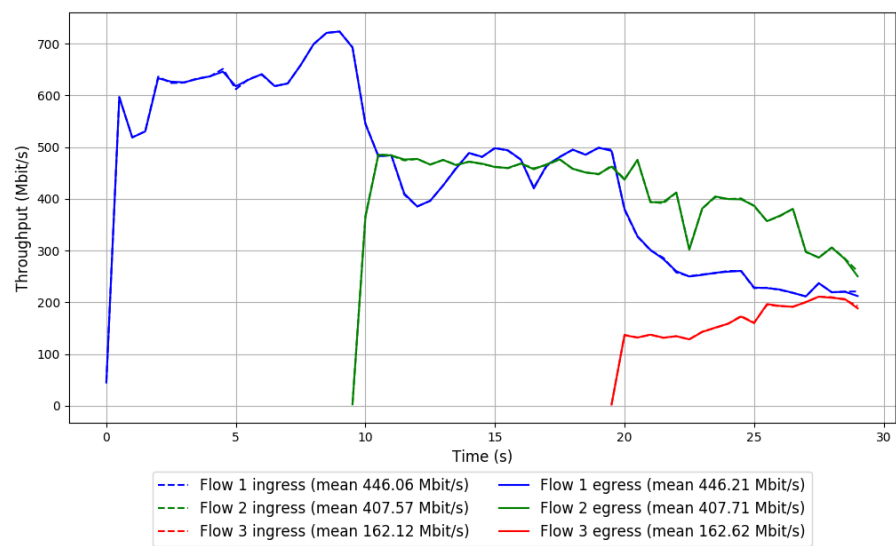


Run 10: Statistics of PCC

Start at: 2017-12-05 22:05:27
End at: 2017-12-05 22:05:57
Local clock offset: 1.286 ms
Remote clock offset: -1.167 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 774.21 Mbit/s
95th percentile per-packet one-way delay: 3.305 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 446.21 Mbit/s
95th percentile per-packet one-way delay: 5.170 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 407.71 Mbit/s
95th percentile per-packet one-way delay: 3.057 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 162.62 Mbit/s
95th percentile per-packet one-way delay: 2.966 ms
Loss rate: 0.14%

Run 10: Report of PCC — Data Link

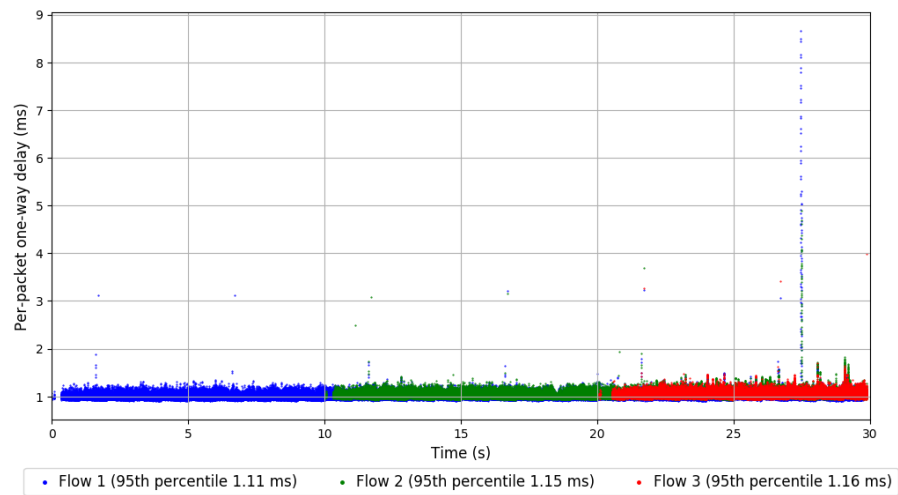
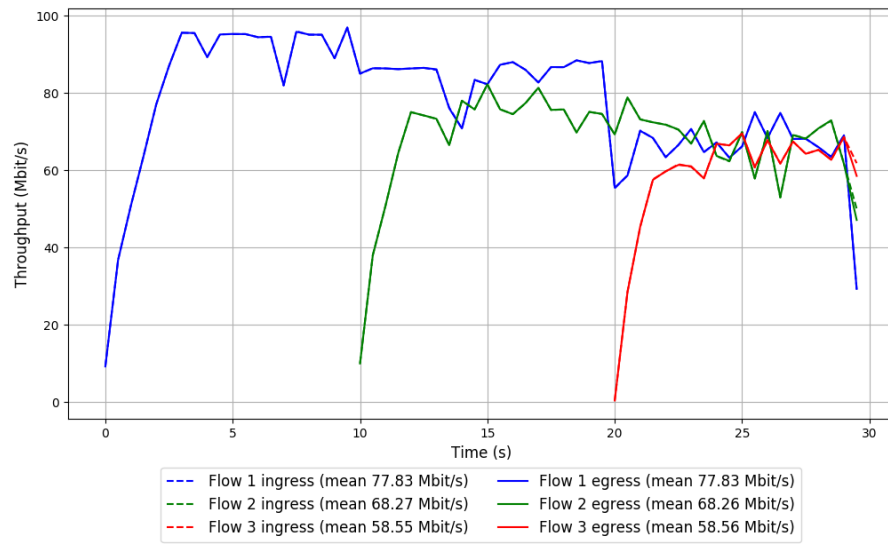


Run 1: Statistics of QUIC Cubic

Start at: 2017-12-05 18:58:45
End at: 2017-12-05 18:59:15
Local clock offset: 1.296 ms
Remote clock offset: -2.507 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.16 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.26 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.30%

Run 1: Report of QUIC Cubic — Data Link

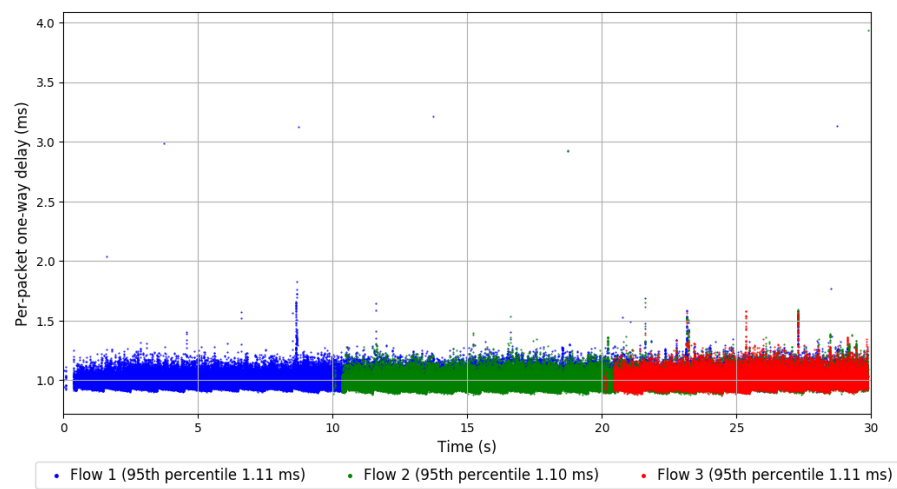
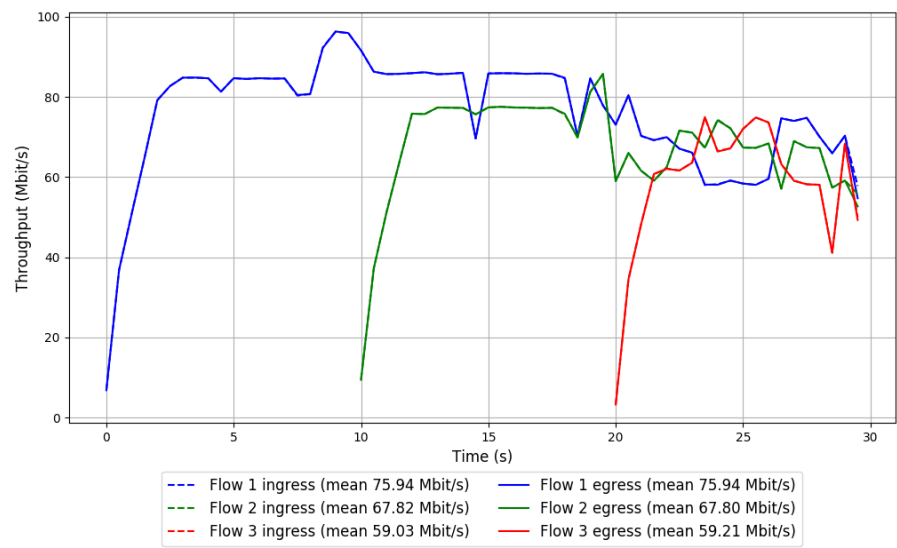


Run 2: Statistics of QUIC Cubic

Start at: 2017-12-05 19:19:25
End at: 2017-12-05 19:19:55
Local clock offset: 1.383 ms
Remote clock offset: -2.028 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.44 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 75.94 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 67.80 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.07%

Run 2: Report of QUIC Cubic — Data Link

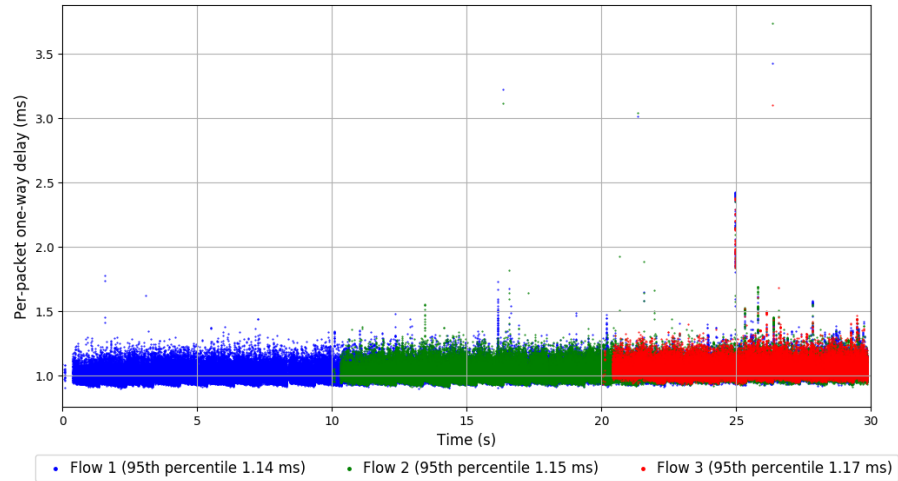
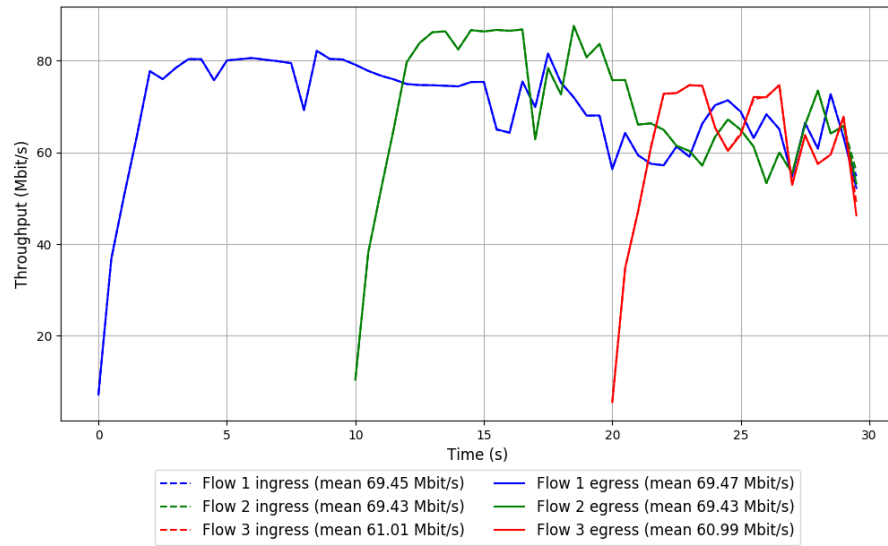


Run 3: Statistics of QUIC Cubic

Start at: 2017-12-05 19:39:57
End at: 2017-12-05 19:40:27
Local clock offset: 1.359 ms
Remote clock offset: -1.525 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.72 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.23%

Run 3: Report of QUIC Cubic — Data Link

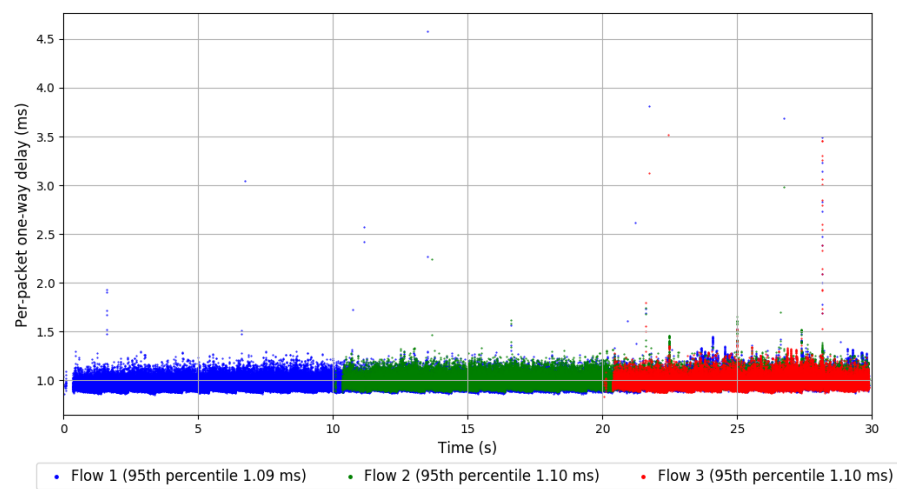
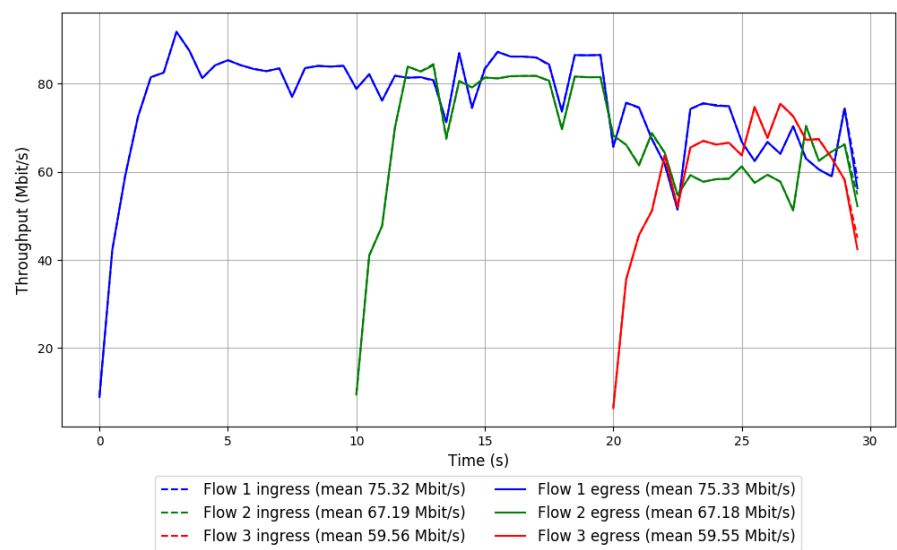


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-05 20:00:42
End at: 2017-12-05 20:01:12
Local clock offset: 1.39 ms
Remote clock offset: -1.161 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.59 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.18 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.23%

Run 4: Report of QUIC Cubic — Data Link

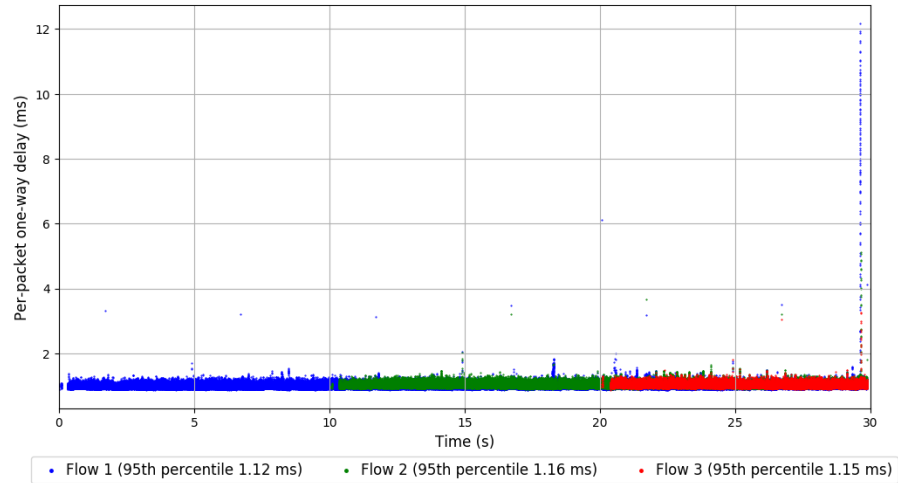
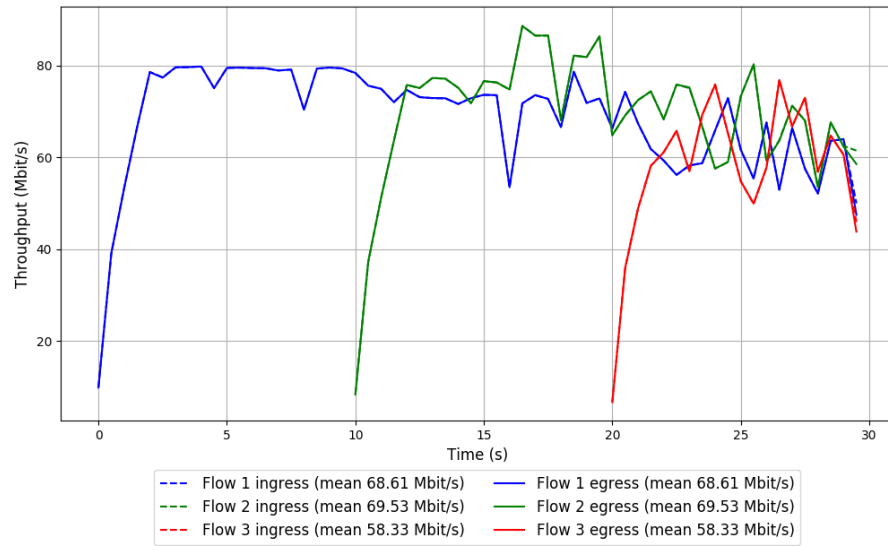


Run 5: Statistics of QUIC Cubic

Start at: 2017-12-05 20:21:16
End at: 2017-12-05 20:21:46
Local clock offset: 1.4 ms
Remote clock offset: -0.934 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.03 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 69.53 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.19%

Run 5: Report of QUIC Cubic — Data Link

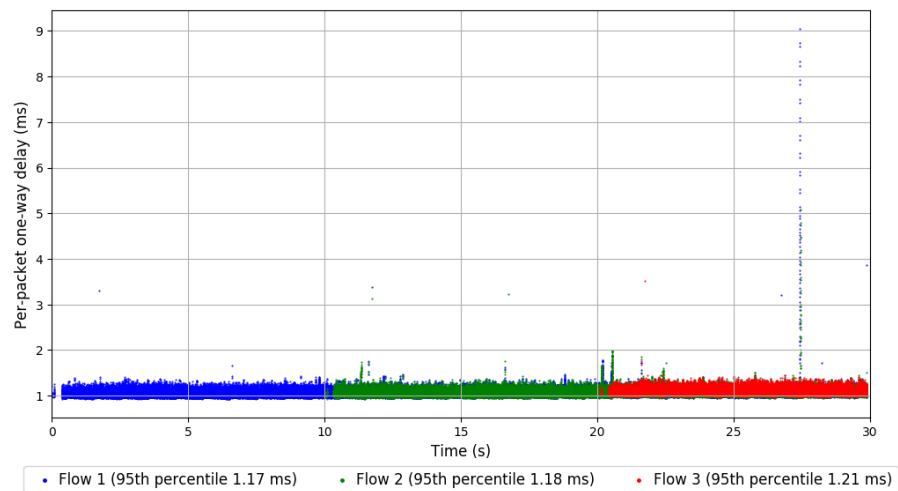
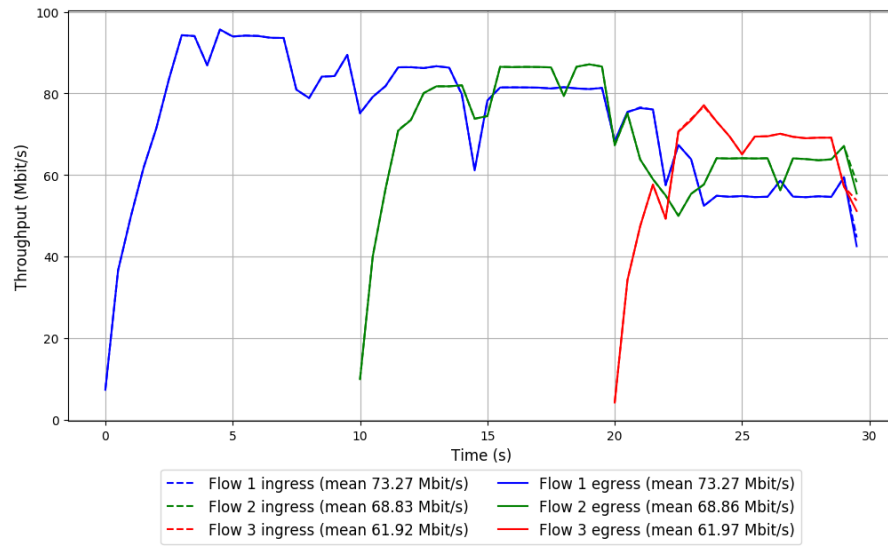


Run 6: Statistics of QUIC Cubic

Start at: 2017-12-05 20:41:42
End at: 2017-12-05 20:42:12
Local clock offset: 1.311 ms
Remote clock offset: -1.081 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.38 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.27 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.22%

Run 6: Report of QUIC Cubic — Data Link

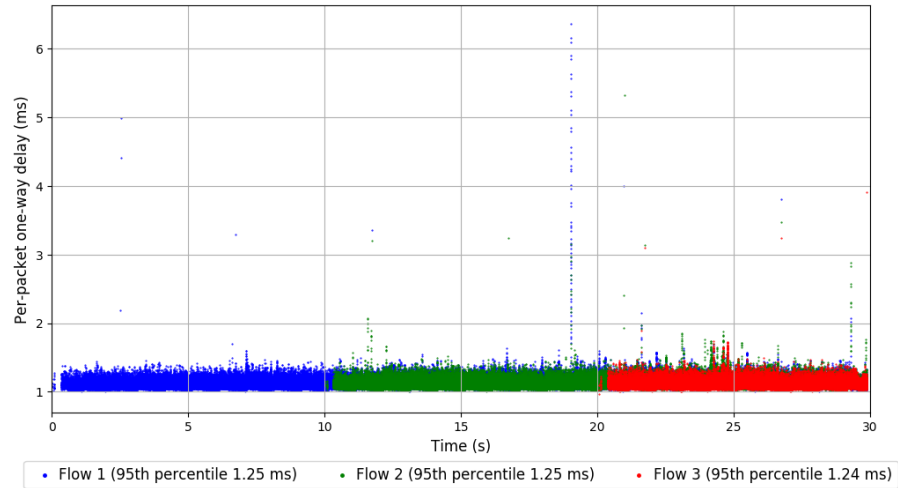
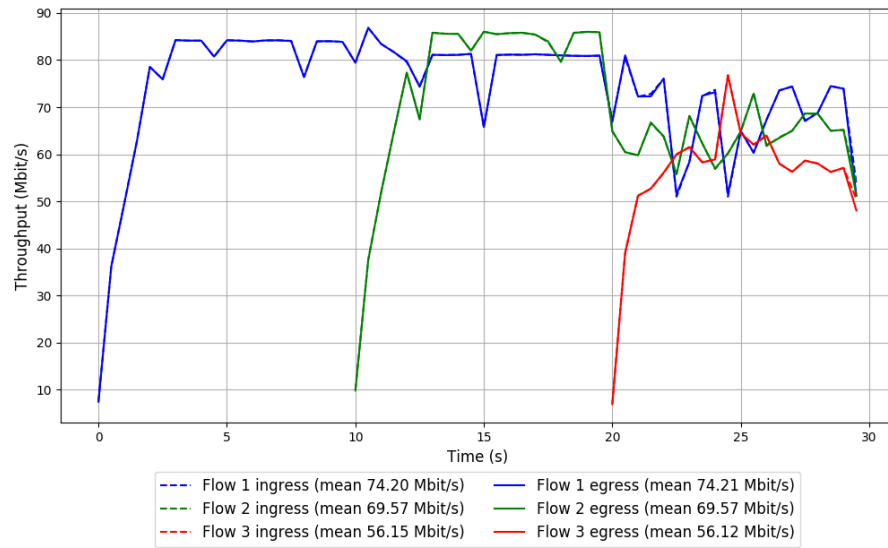


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-05 21:02:01
End at: 2017-12-05 21:02:31
Local clock offset: 1.349 ms
Remote clock offset: -1.063 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.93 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 74.21 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.24%

Run 7: Report of QUIC Cubic — Data Link

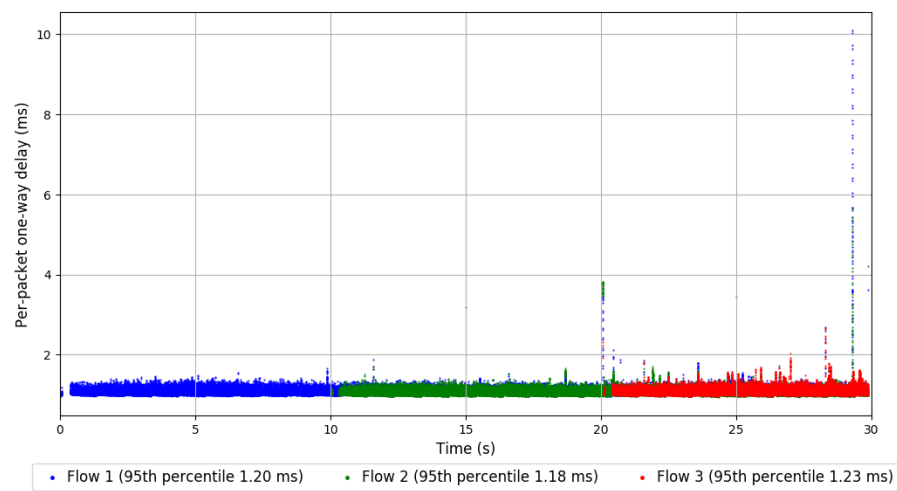
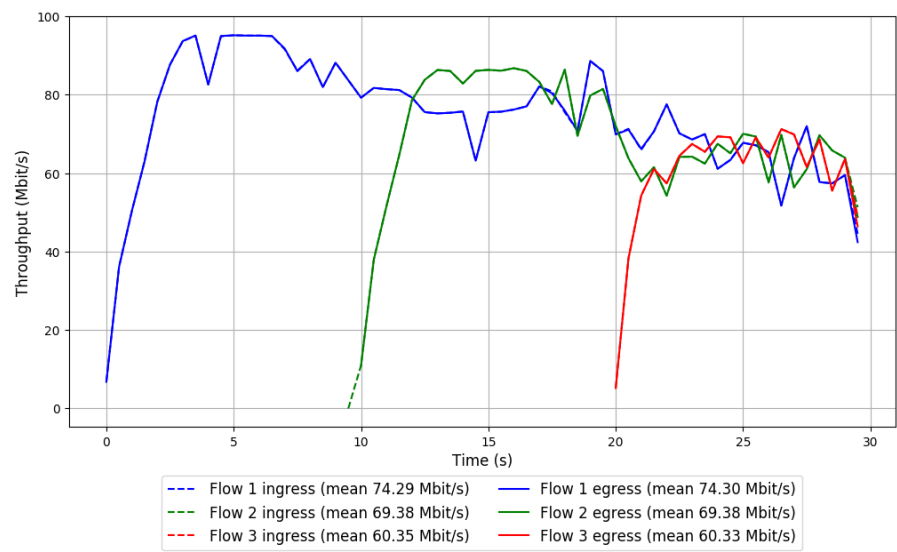


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-05 21:22:45
End at: 2017-12-05 21:23:15
Local clock offset: 1.381 ms
Remote clock offset: -0.847 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.27 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.30 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 69.38 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.22%

Run 8: Report of QUIC Cubic — Data Link

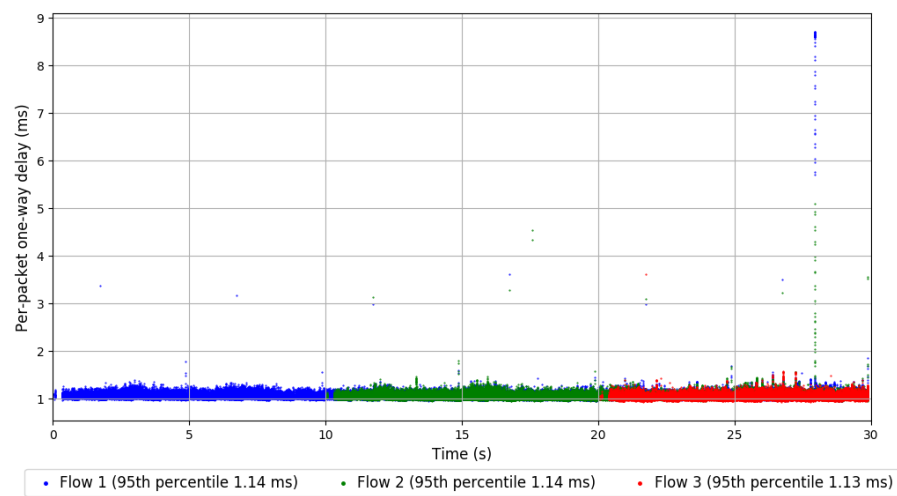
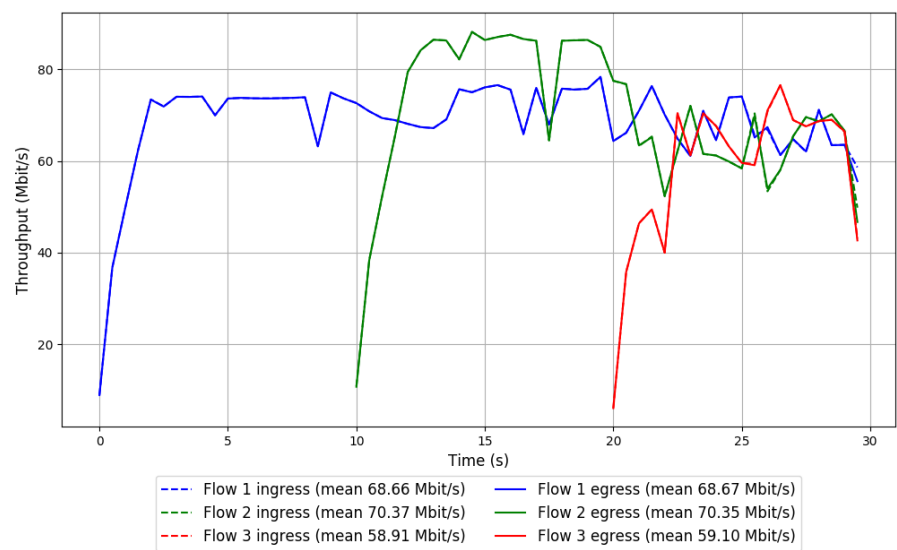


Run 9: Statistics of QUIC Cubic

Start at: 2017-12-05 21:43:32
End at: 2017-12-05 21:44:02
Local clock offset: 1.342 ms
Remote clock offset: -1.181 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.87 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 70.35 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.05%

Run 9: Report of QUIC Cubic — Data Link

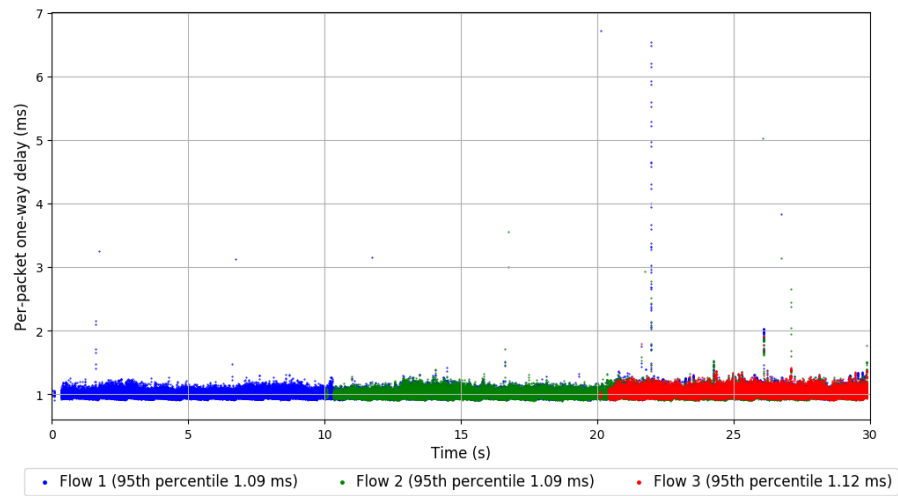
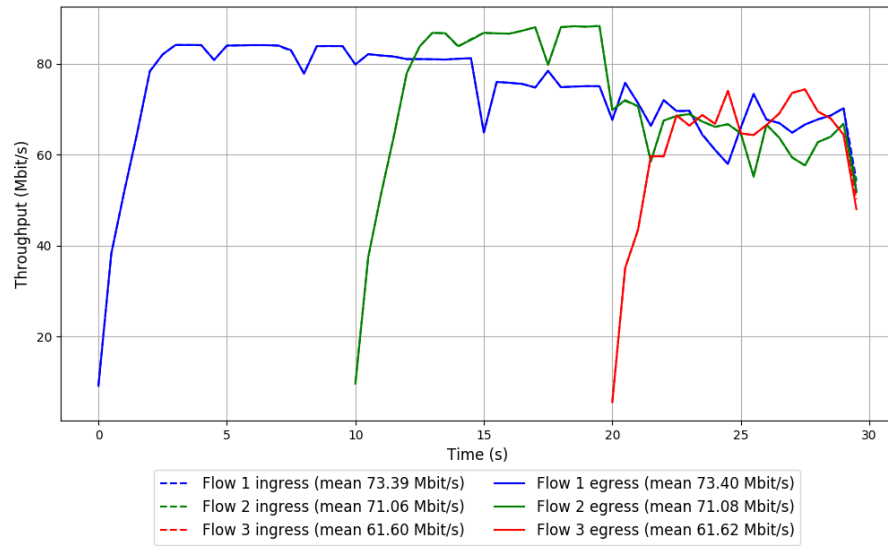


Run 10: Statistics of QUIC Cubic

Start at: 2017-12-05 22:04:10
End at: 2017-12-05 22:04:40
Local clock offset: 1.199 ms
Remote clock offset: -1.205 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.89 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 71.08 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 61.62 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.19%

Run 10: Report of QUIC Cubic — Data Link

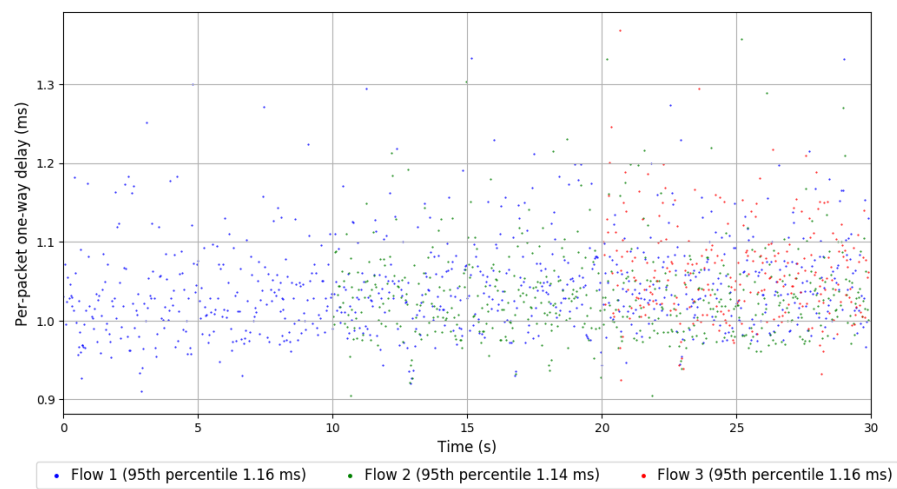
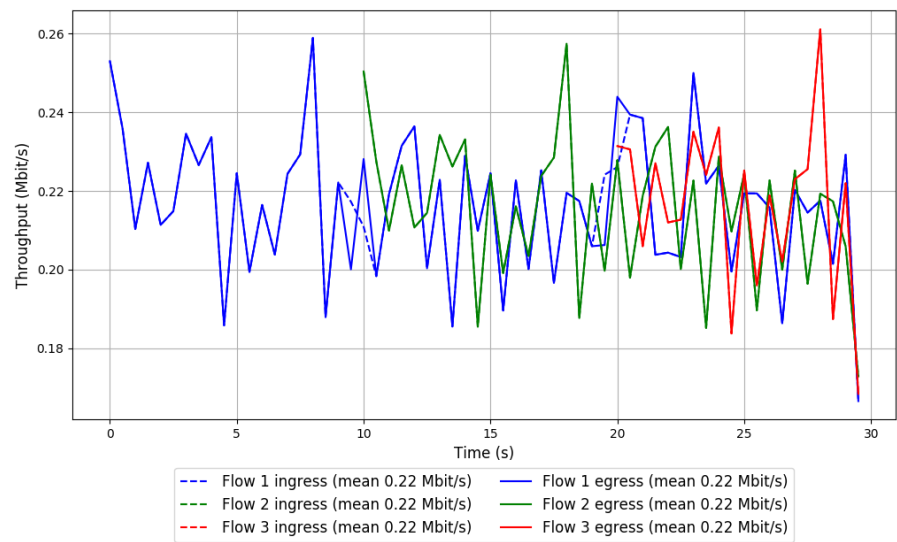


Run 1: Statistics of SReAM

Start at: 2017-12-05 19:07:51
End at: 2017-12-05 19:08:21
Local clock offset: 1.378 ms
Remote clock offset: -2.311 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

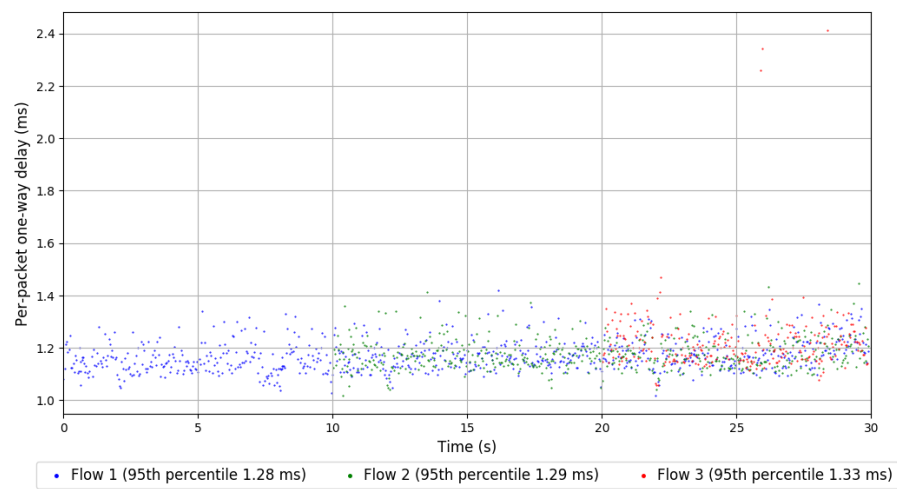
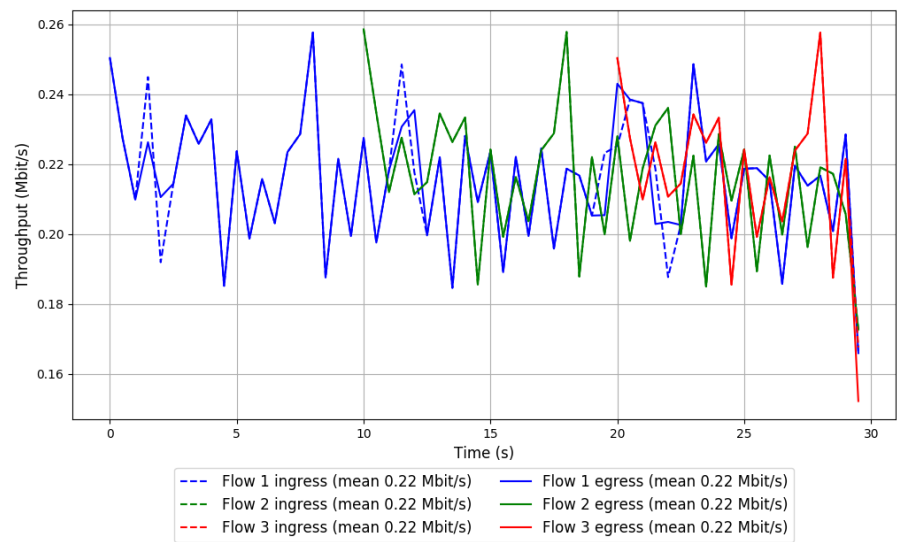


Run 2: Statistics of SReAM

Start at: 2017-12-05 19:28:32
End at: 2017-12-05 19:29:02
Local clock offset: 1.469 ms
Remote clock offset: -1.905 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

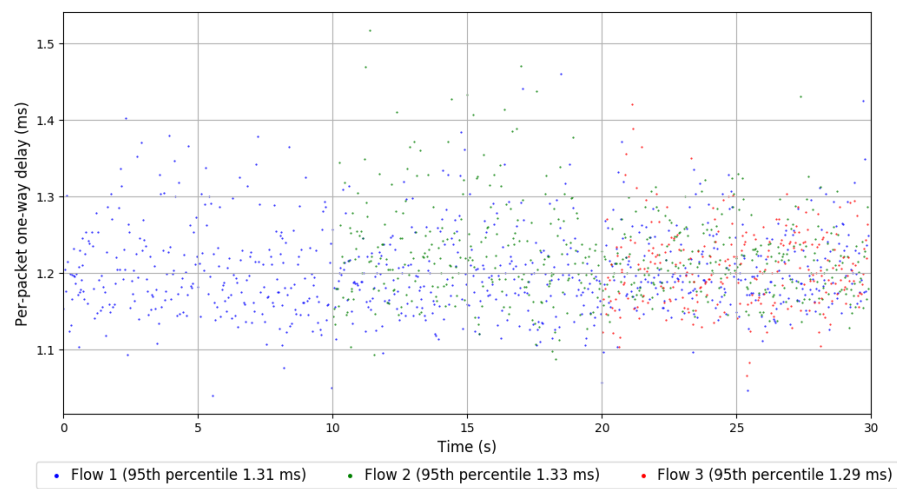
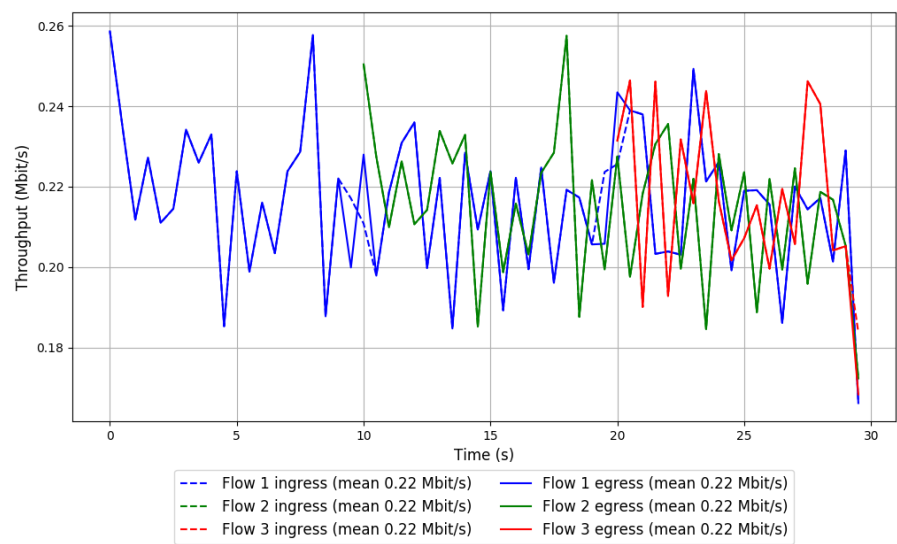


Run 3: Statistics of SReAM

Start at: 2017-12-05 19:49:08
End at: 2017-12-05 19:49:38
Local clock offset: 1.42 ms
Remote clock offset: -1.393 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

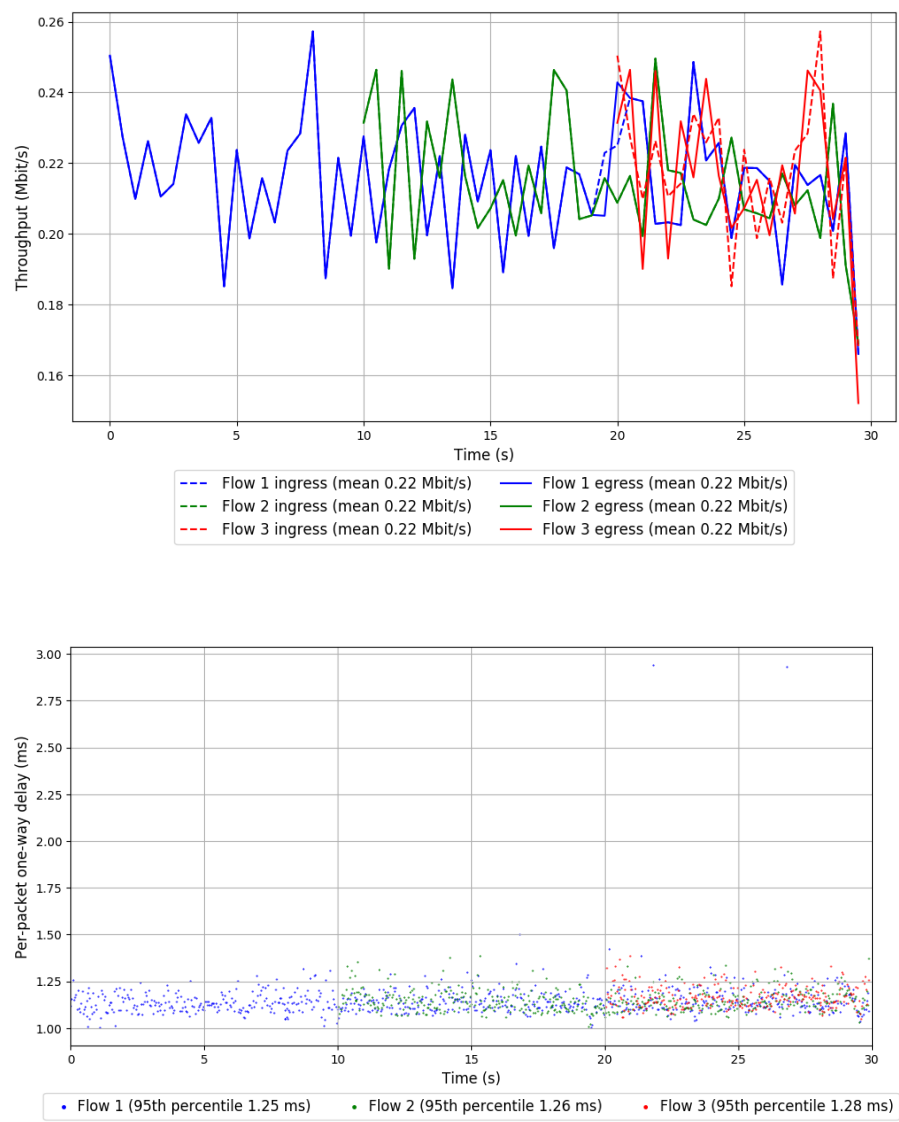


Run 4: Statistics of SReAM

Start at: 2017-12-05 20:09:44
End at: 2017-12-05 20:10:14
Local clock offset: 1.431 ms
Remote clock offset: -0.964 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

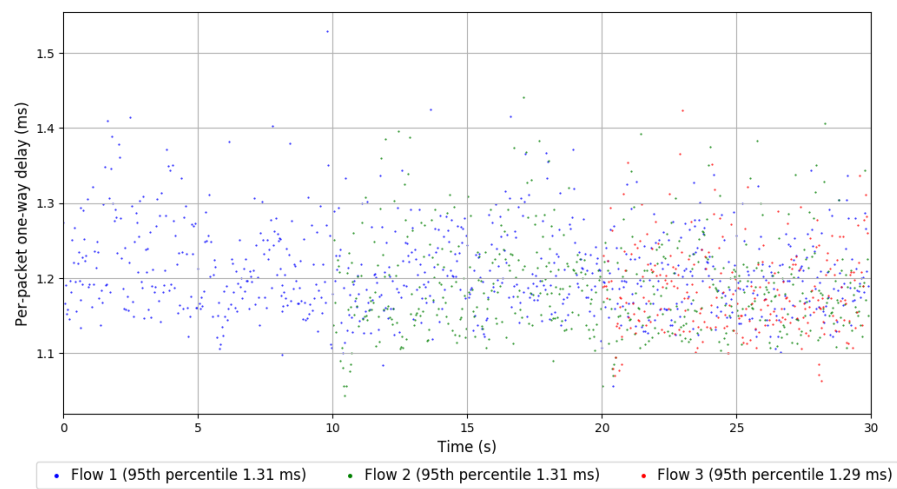
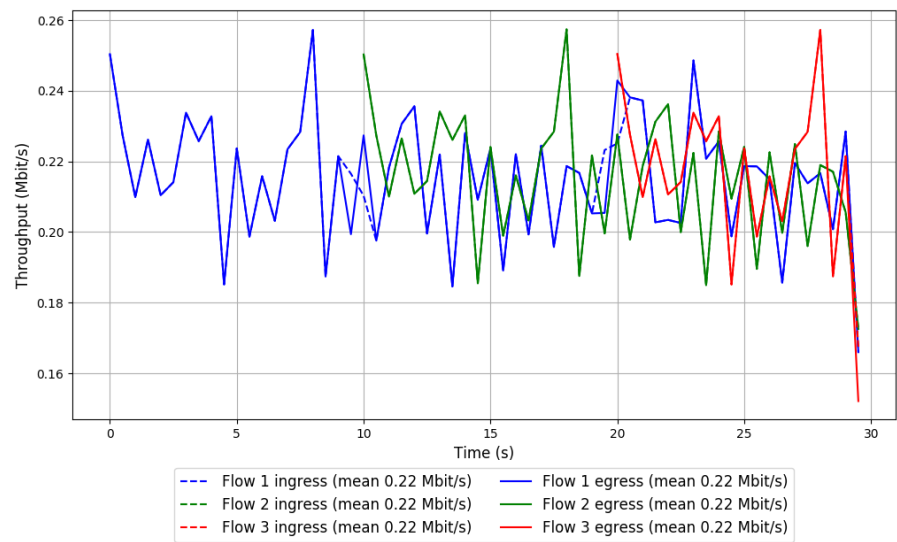


Run 5: Statistics of SReAM

Start at: 2017-12-05 20:30:13
End at: 2017-12-05 20:30:43
Local clock offset: 1.45 ms
Remote clock offset: -1.073 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

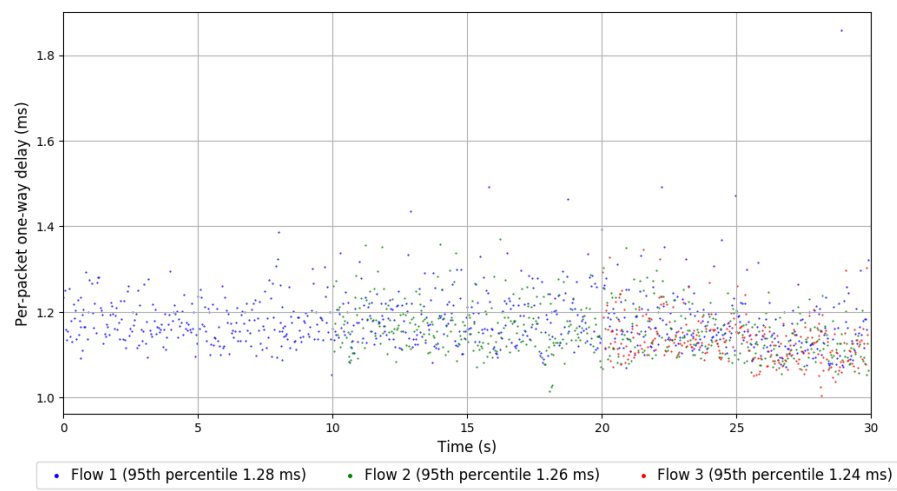
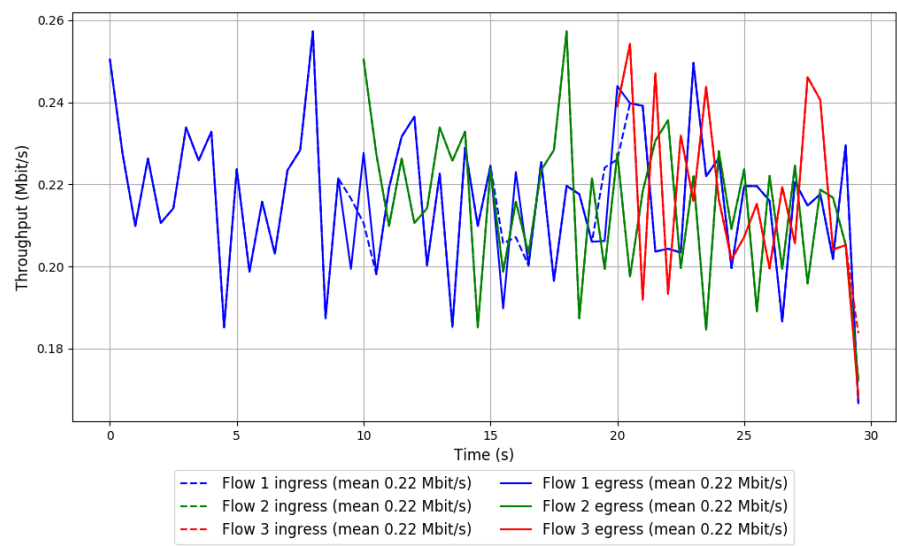


Run 6: Statistics of SReAM

Start at: 2017-12-05 20:50:25
End at: 2017-12-05 20:50:55
Local clock offset: 1.333 ms
Remote clock offset: -0.951 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

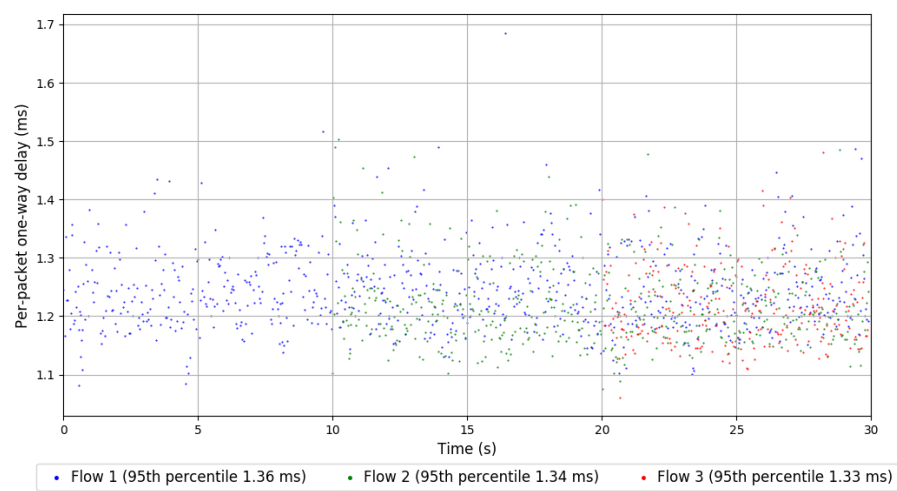
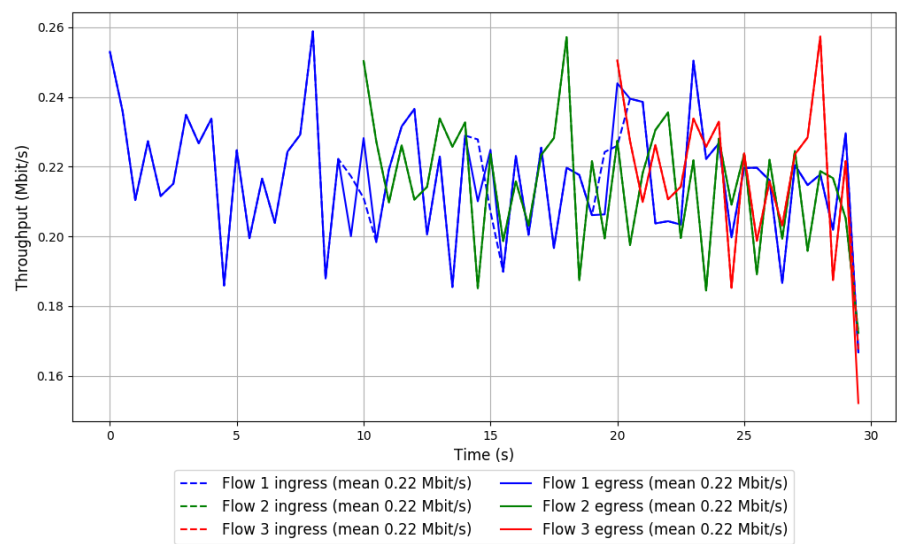


Run 7: Statistics of SReAM

Start at: 2017-12-05 21:11:12
End at: 2017-12-05 21:11:42
Local clock offset: 1.382 ms
Remote clock offset: -0.967 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.353 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.360 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

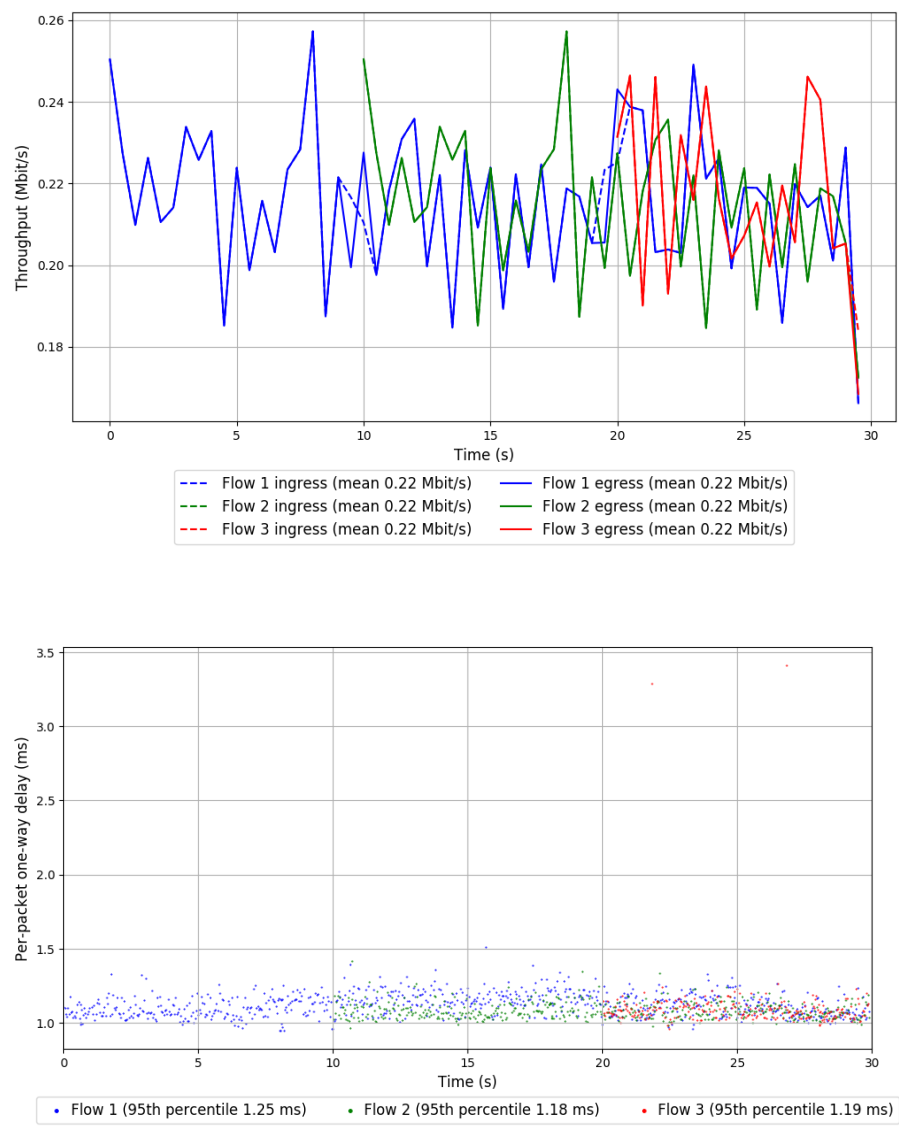


Run 8: Statistics of SReAM

Start at: 2017-12-05 21:31:54
End at: 2017-12-05 21:32:24
Local clock offset: 1.322 ms
Remote clock offset: -1.007 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2017-12-05 21:52:37

End at: 2017-12-05 21:53:07

Local clock offset: 1.365 ms

Remote clock offset: -1.12 ms

Below is generated by plot.py at 2017-12-06 02:55:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.00%

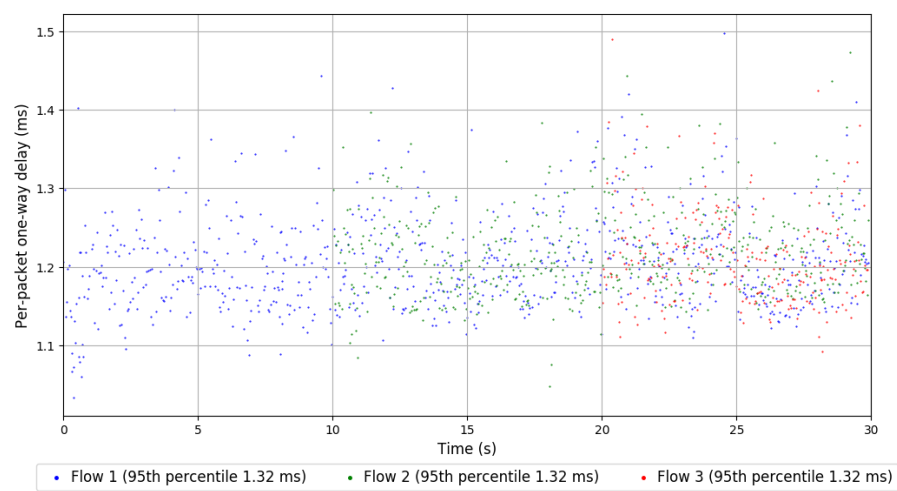
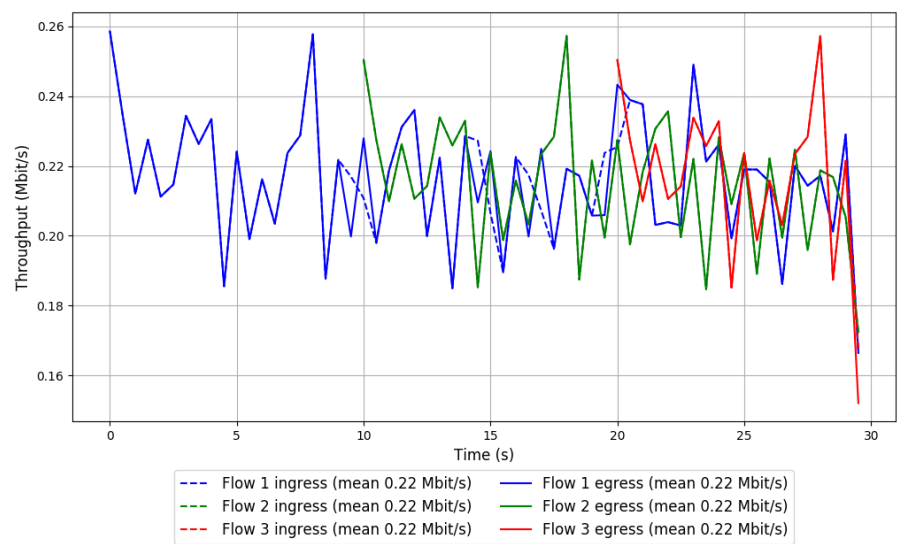
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.316 ms

Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

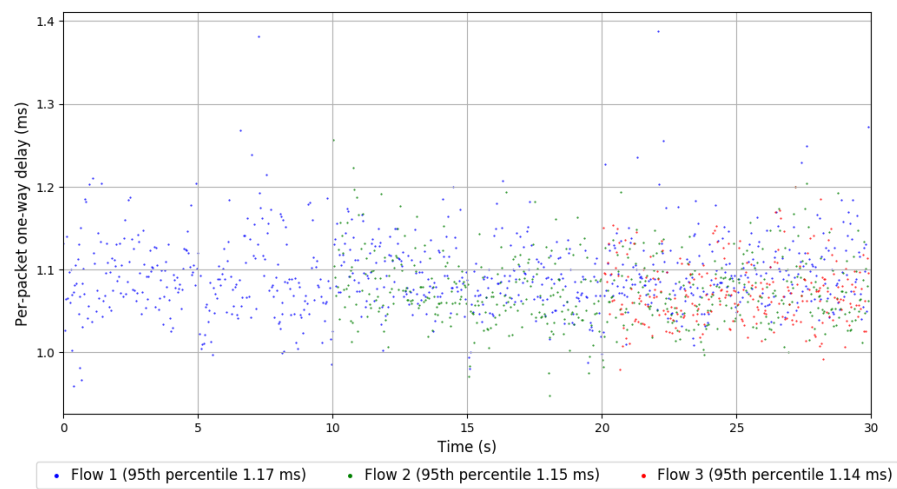
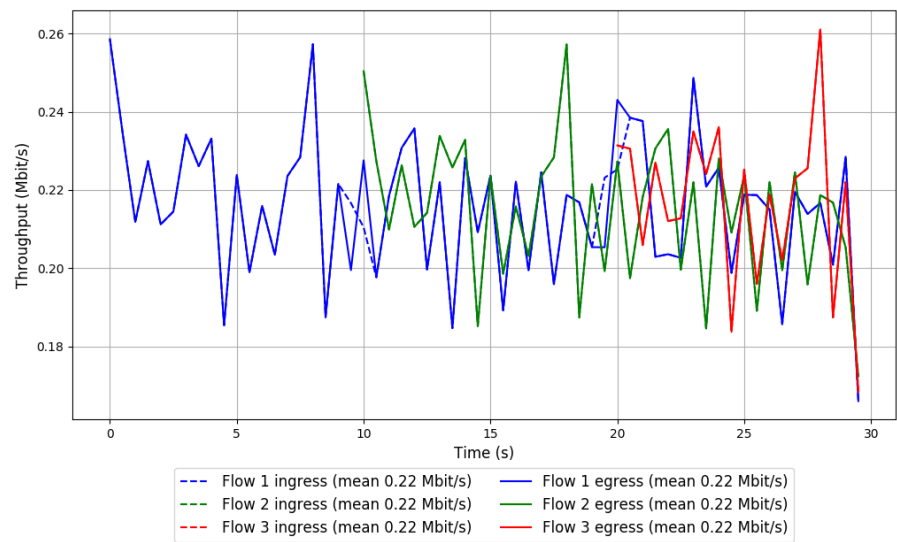


Run 10: Statistics of SReAM

Start at: 2017-12-05 22:12:54
End at: 2017-12-05 22:13:24
Local clock offset: 1.141 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

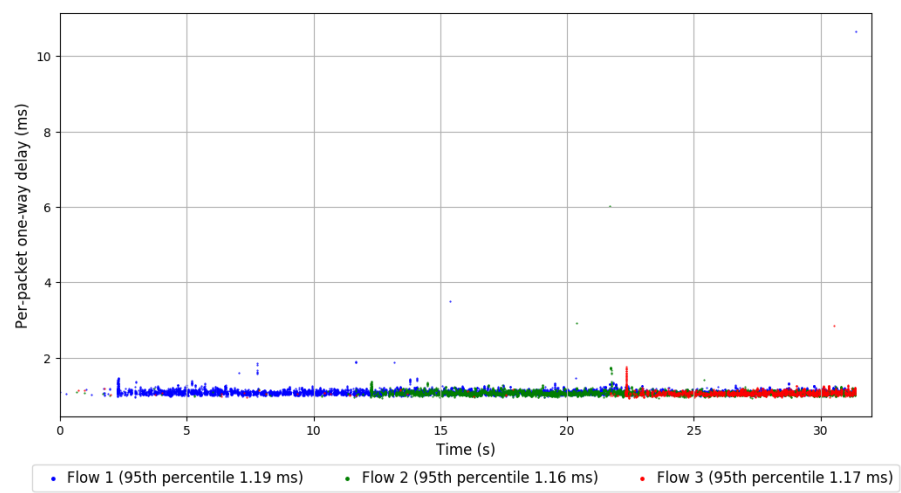
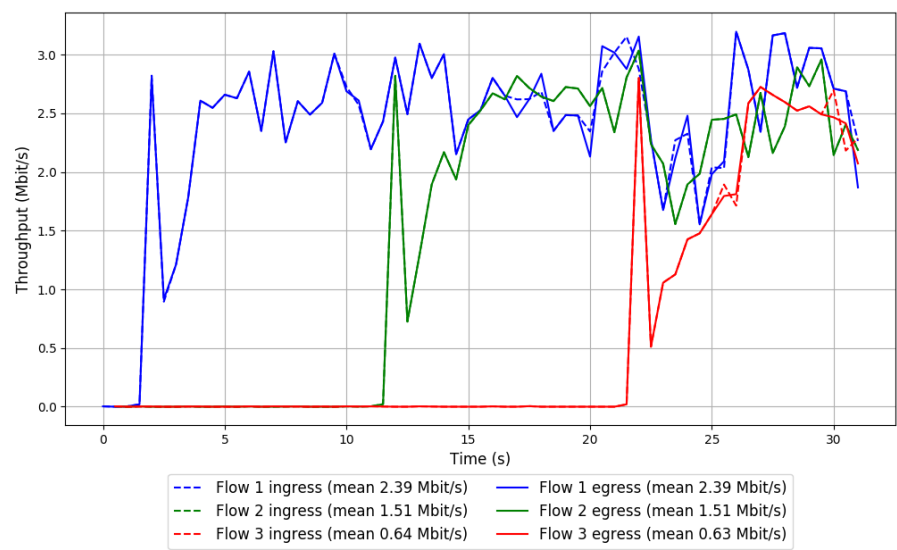


Run 1: Statistics of WebRTC media

Start at: 2017-12-05 19:01:36
End at: 2017-12-05 19:02:06
Local clock offset: 1.419 ms
Remote clock offset: -2.464 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.55%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-12-05 19:22:18

End at: 2017-12-05 19:22:48

Local clock offset: 1.392 ms

Remote clock offset: -1.93 ms

Below is generated by plot.py at 2017-12-06 02:55:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.54 Mbit/s

95th percentile per-packet one-way delay: 1.057 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 1.046 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 1.071 ms

Loss rate: 0.42%

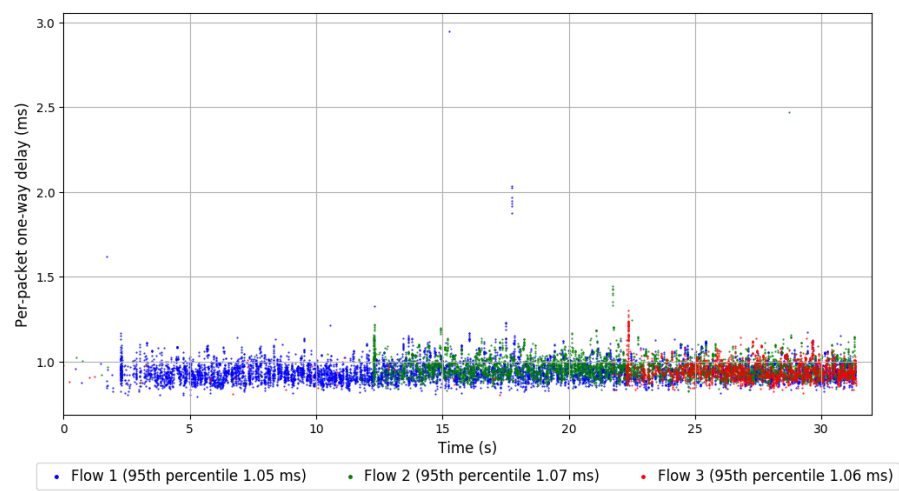
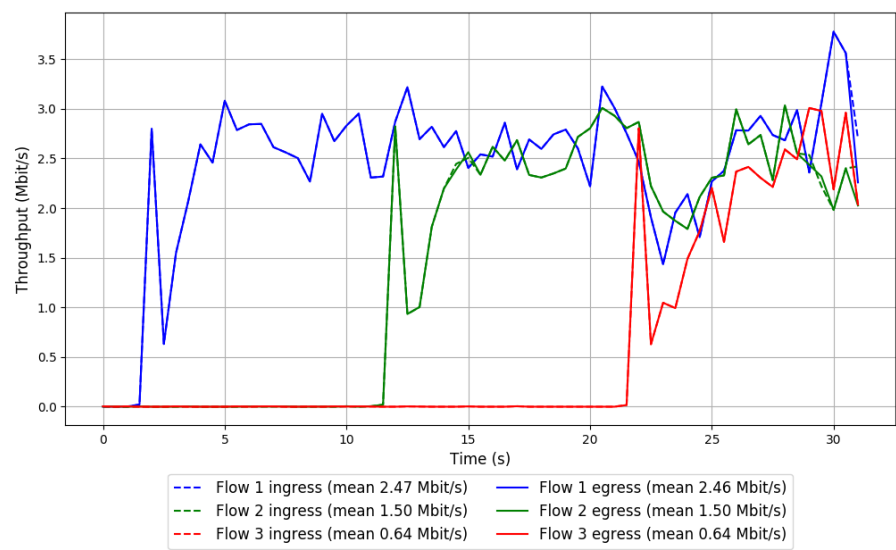
-- Flow 3:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

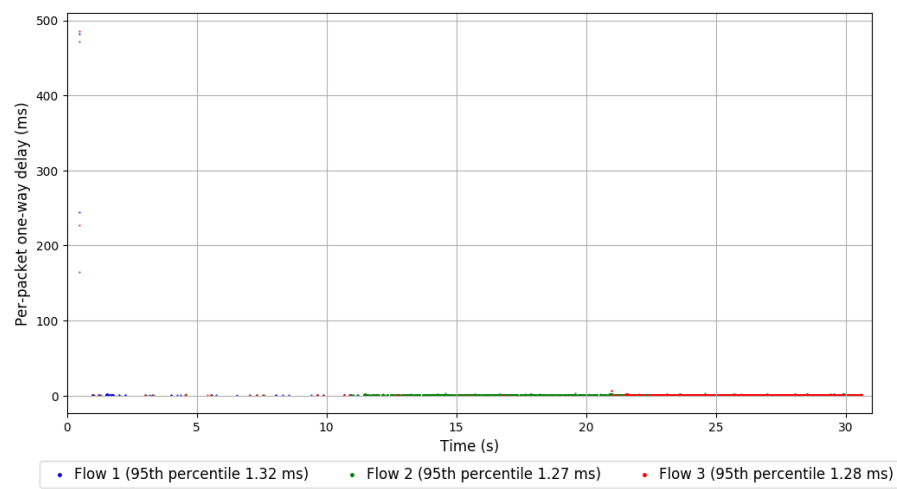
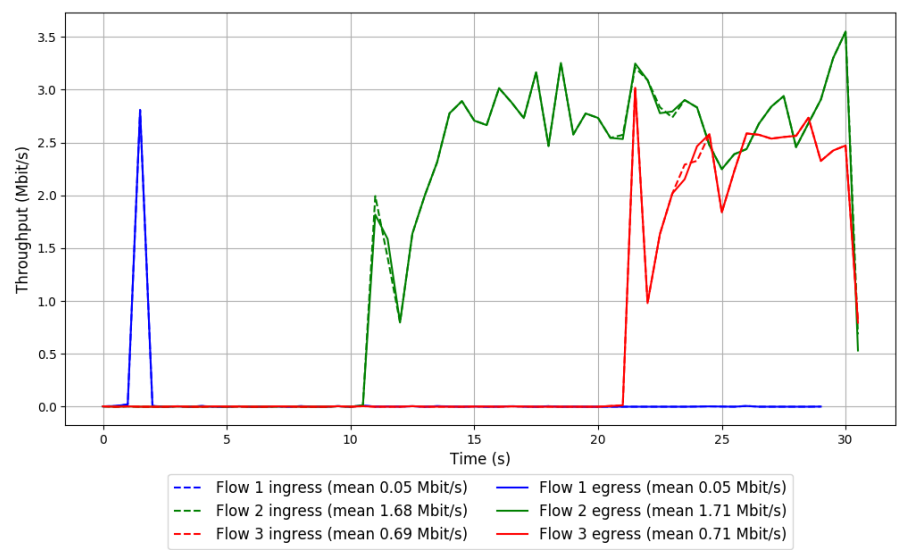


Run 3: Statistics of WebRTC media

Start at: 2017-12-05 19:42:54
End at: 2017-12-05 19:43:24
Local clock offset: 1.427 ms
Remote clock offset: -1.491 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.05%

Run 3: Report of WebRTC media — Data Link

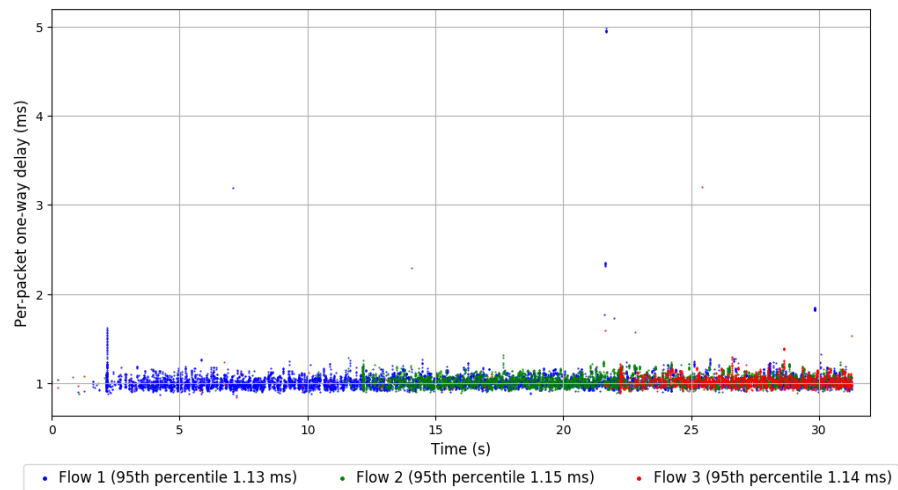
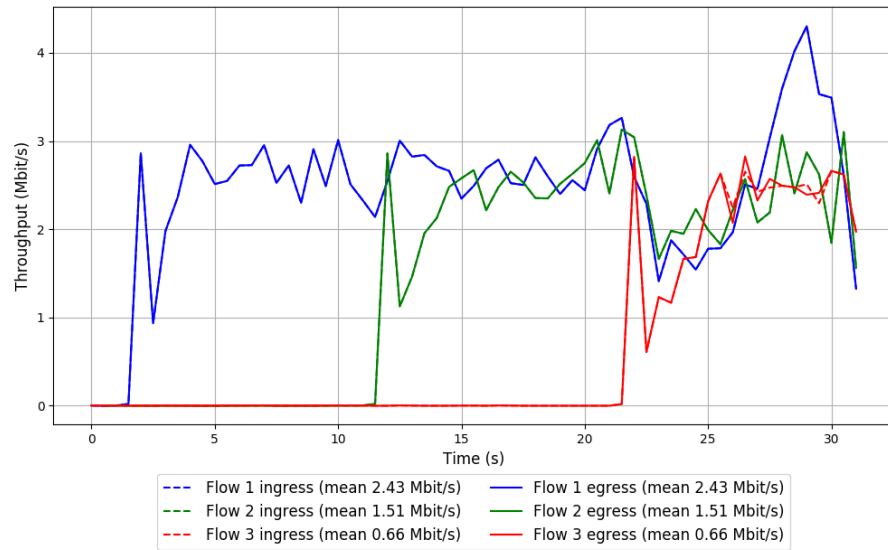


Run 4: Statistics of WebRTC media

Start at: 2017-12-05 20:03:32
End at: 2017-12-05 20:04:02
Local clock offset: 1.406 ms
Remote clock offset: -1.116 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-12-05 20:24:07

End at: 2017-12-05 20:24:37

Local clock offset: 1.466 ms

Remote clock offset: -1.0 ms

Below is generated by plot.py at 2017-12-06 02:55:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.59 Mbit/s

95th percentile per-packet one-way delay: 1.259 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 1.258 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 1.268 ms

Loss rate: 0.06%

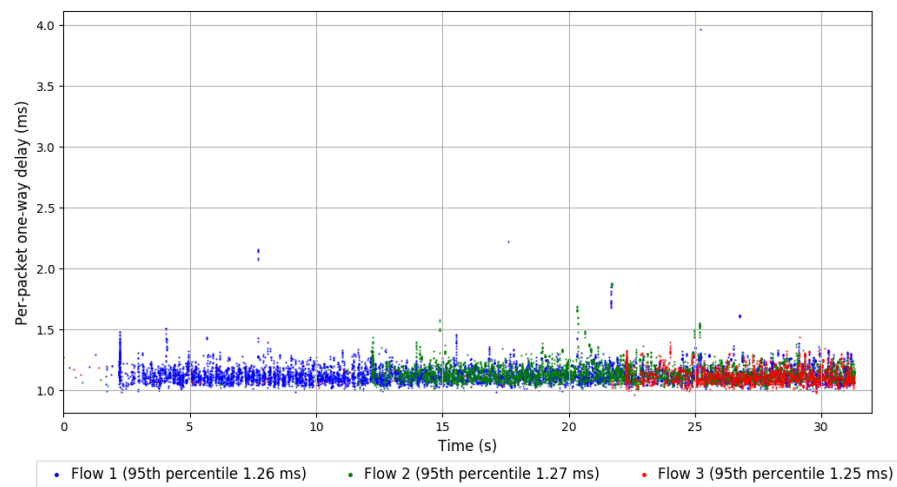
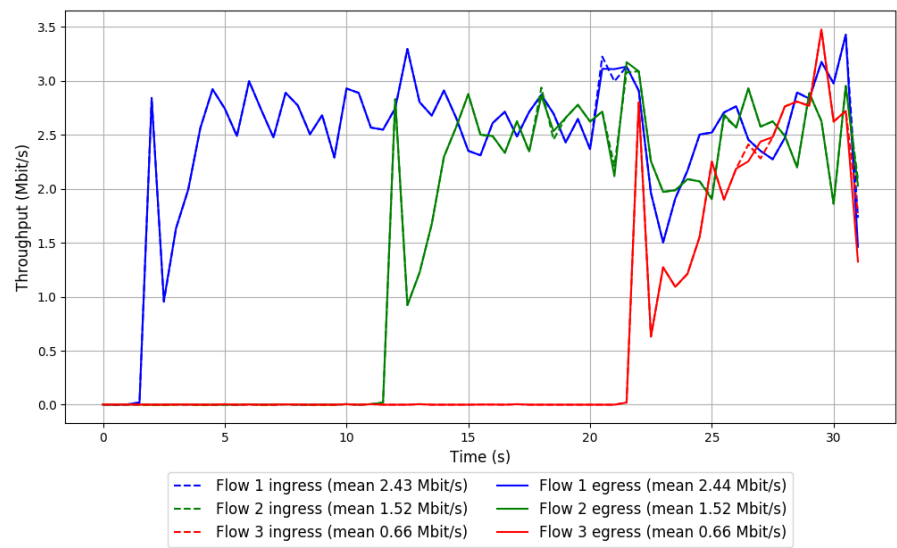
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 1.246 ms

Loss rate: 1.09%

Run 5: Report of WebRTC media — Data Link

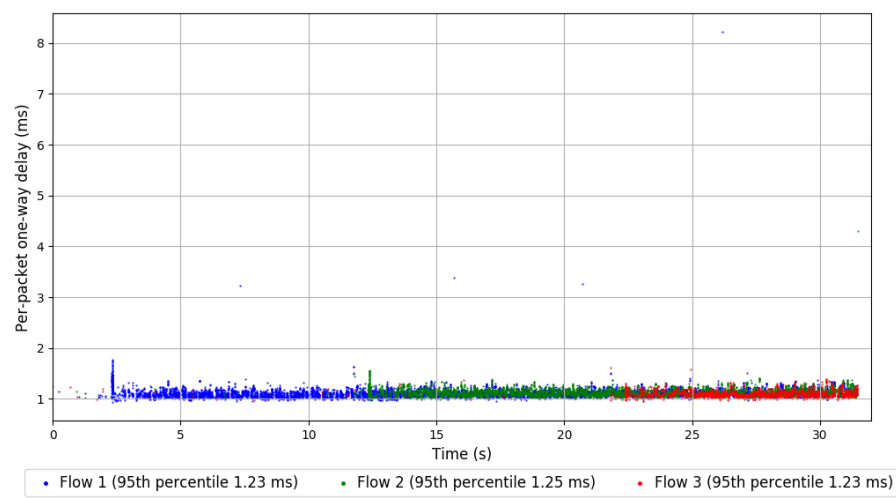
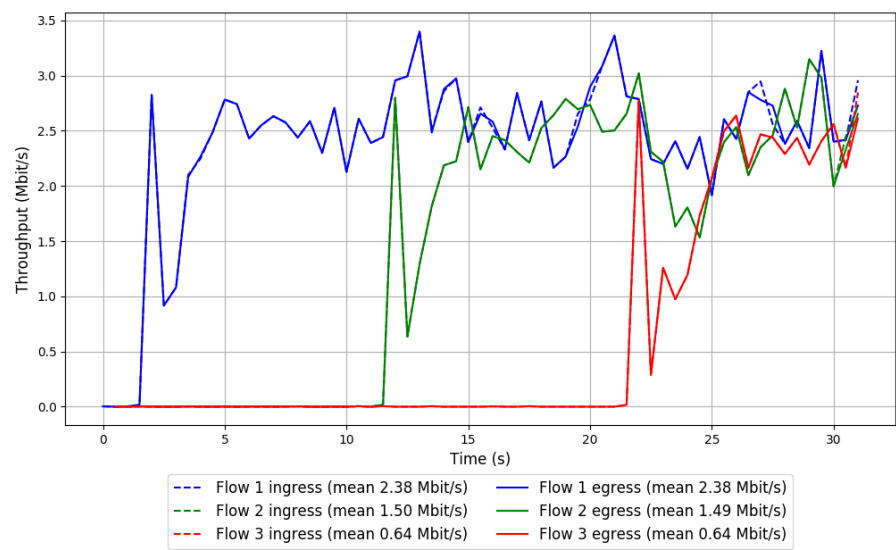


Run 6: Statistics of WebRTC media

Start at: 2017-12-05 20:44:32
End at: 2017-12-05 20:45:02
Local clock offset: 1.368 ms
Remote clock offset: -0.955 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.60%

Run 6: Report of WebRTC media — Data Link

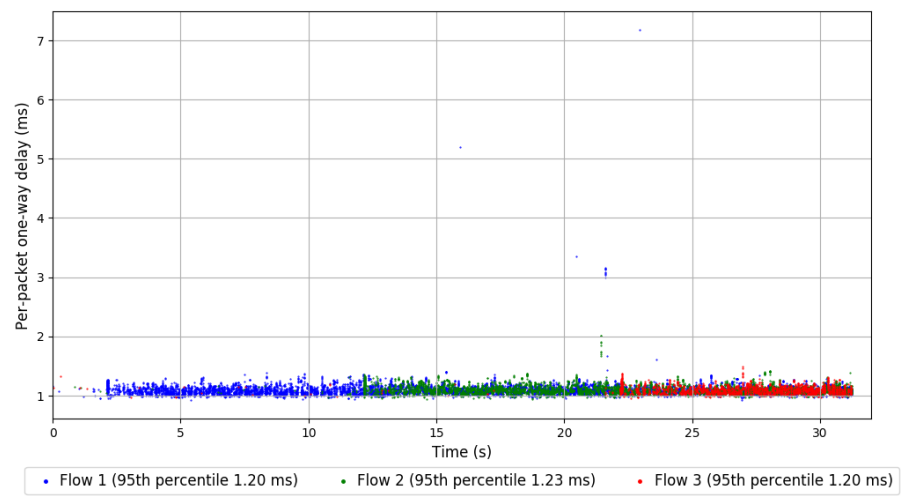
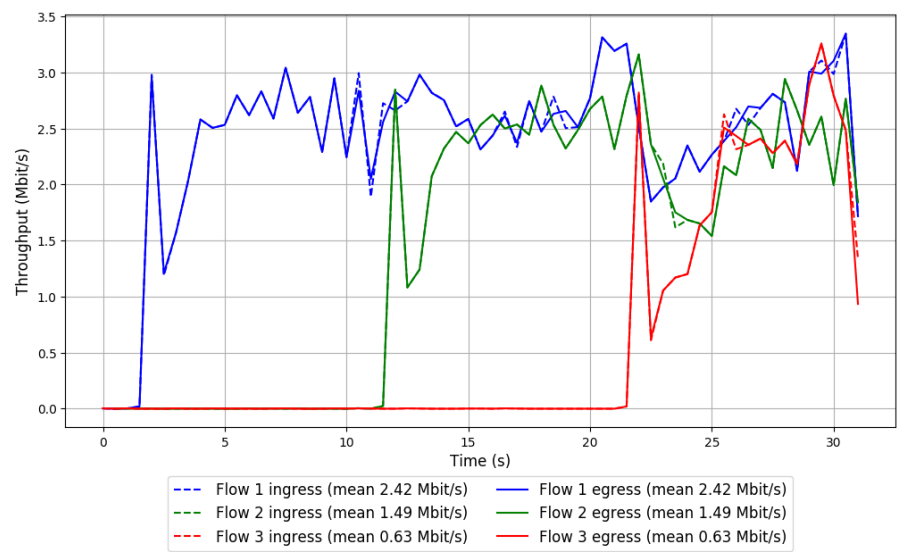


Run 7: Statistics of WebRTC media

Start at: 2017-12-05 21:04:54
End at: 2017-12-05 21:05:24
Local clock offset: 1.255 ms
Remote clock offset: -1.051 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 1.03%

Run 7: Report of WebRTC media — Data Link

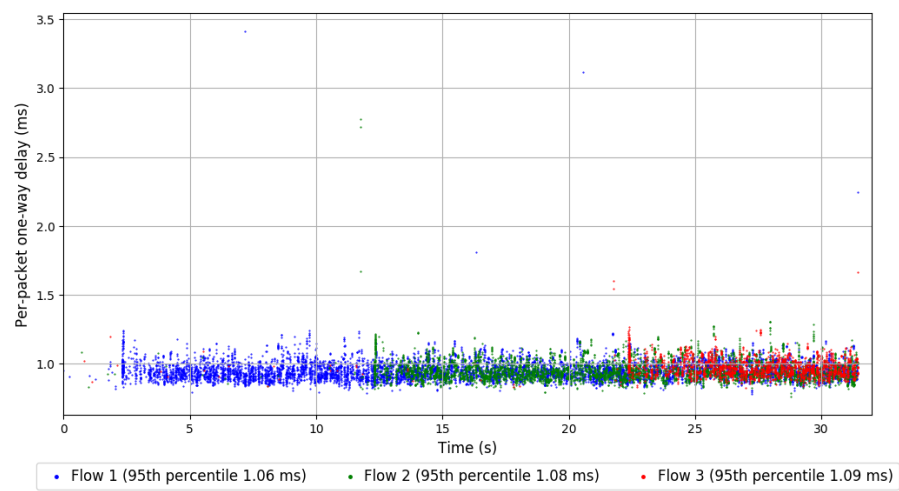
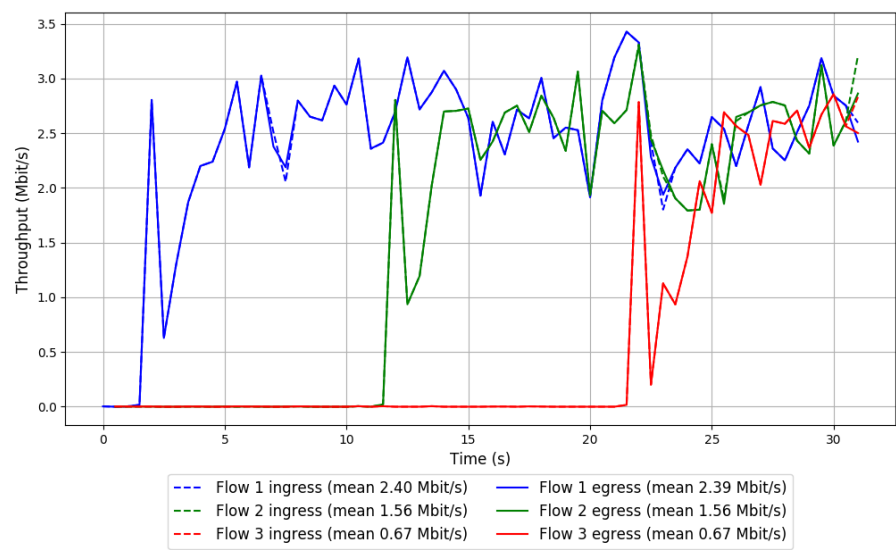


Run 8: Statistics of WebRTC media

Start at: 2017-12-05 21:25:40
End at: 2017-12-05 21:26:10
Local clock offset: 1.319 ms
Remote clock offset: -0.813 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.80%

Run 8: Report of WebRTC media — Data Link

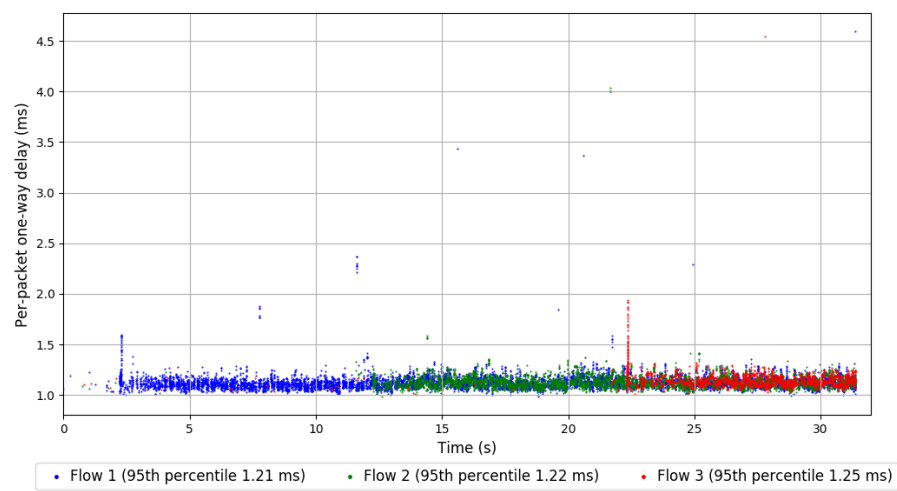
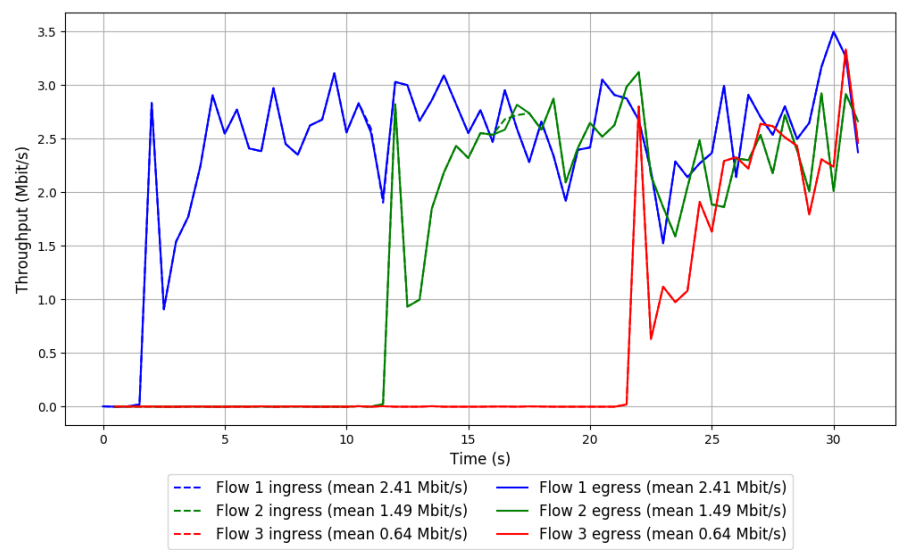


Run 9: Statistics of WebRTC media

Start at: 2017-12-05 21:46:26
End at: 2017-12-05 21:46:56
Local clock offset: 1.397 ms
Remote clock offset: -1.213 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

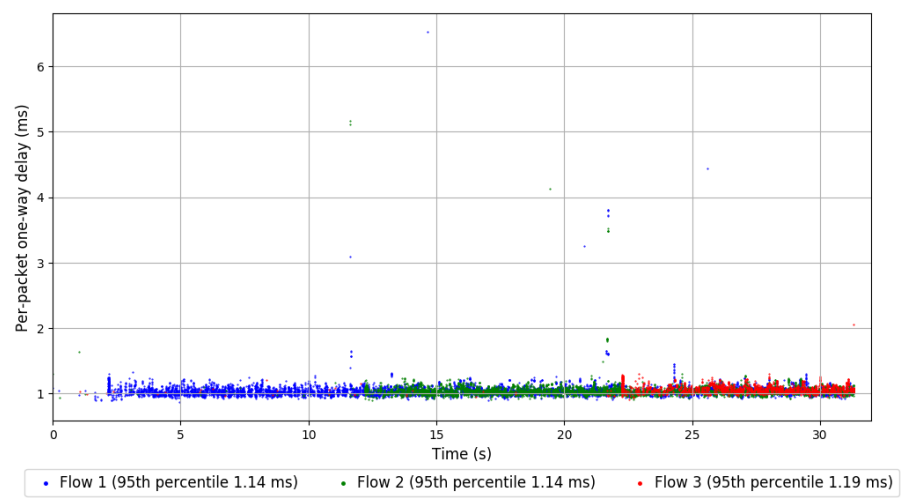
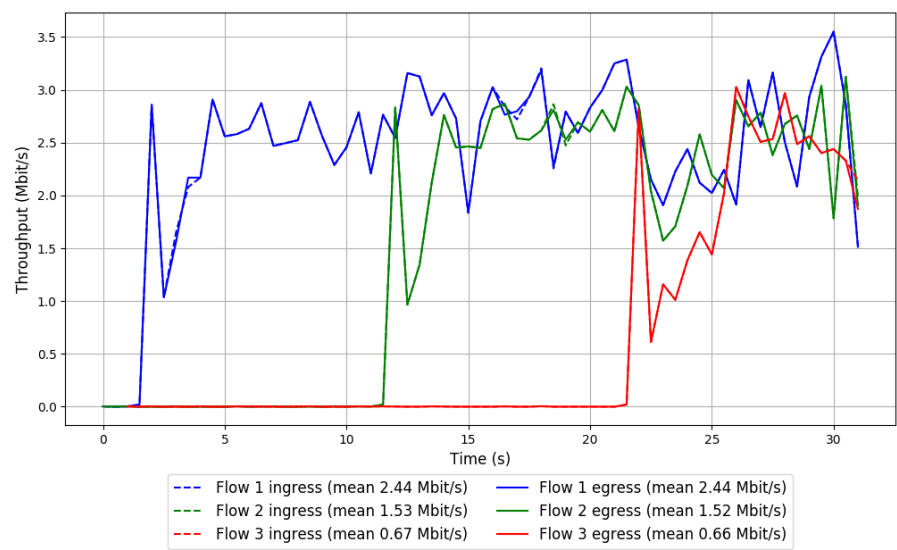


Run 10: Statistics of WebRTC media

Start at: 2017-12-05 22:07:00
End at: 2017-12-05 22:07:30
Local clock offset: 1.195 ms
Remote clock offset: -1.216 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.68%

Run 10: Report of WebRTC media — Data Link

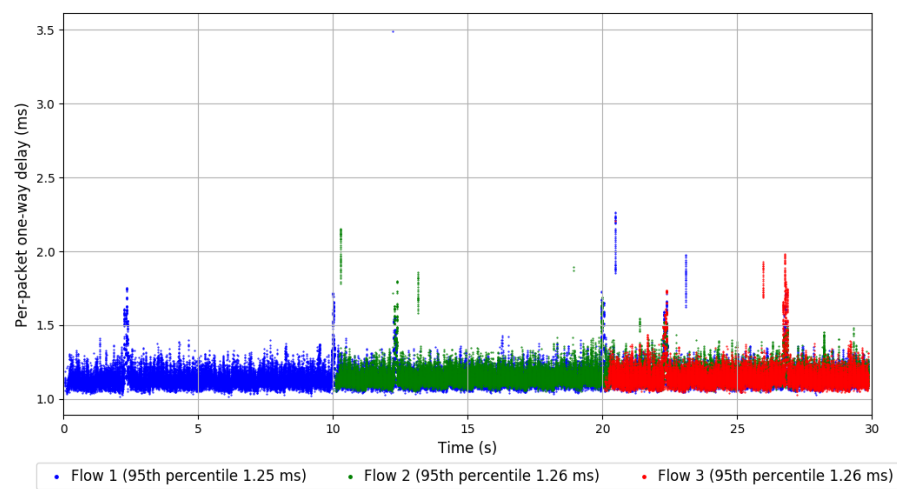
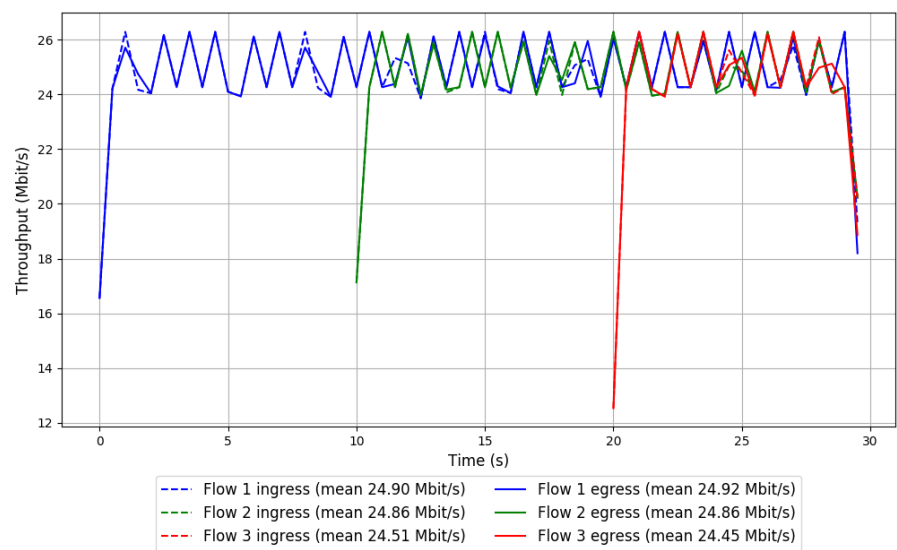


Run 1: Statistics of Sprout

Start at: 2017-12-05 19:09:02
End at: 2017-12-05 19:09:32
Local clock offset: 1.479 ms
Remote clock offset: -2.323 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.28%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

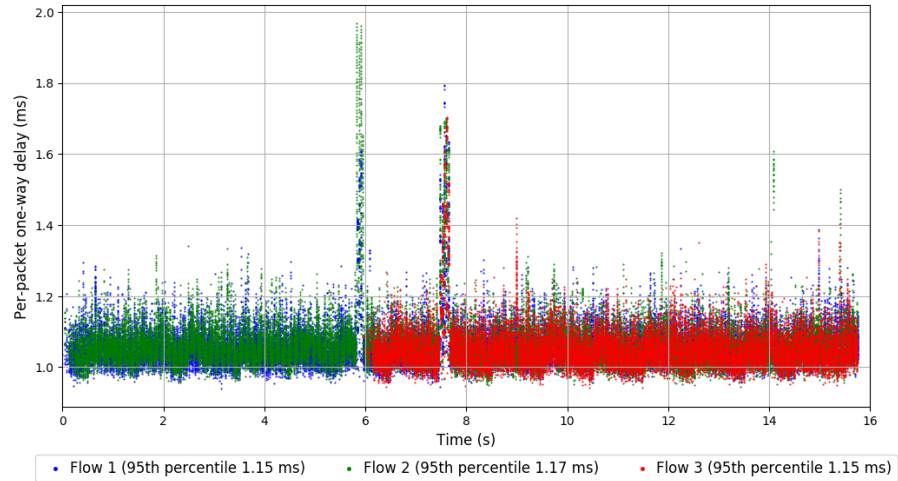
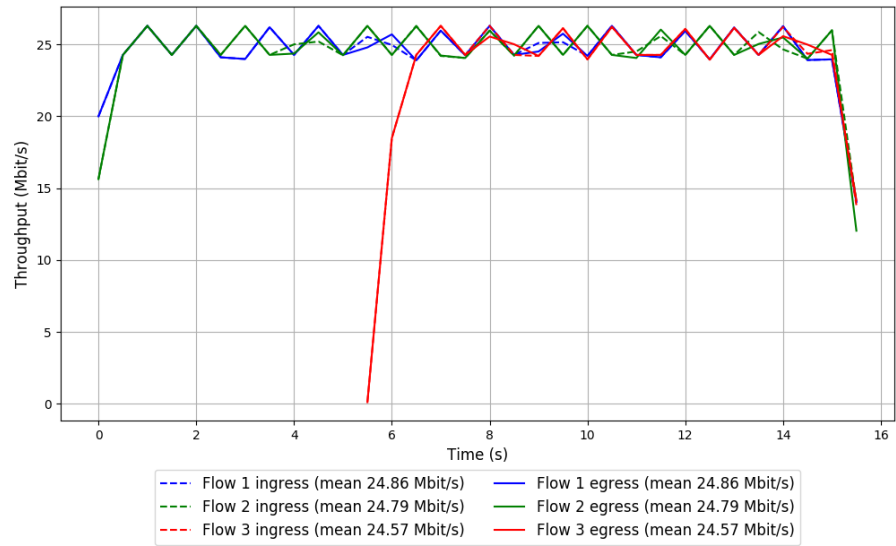
Start at: 2017-12-05 19:29:42

End at: 2017-12-05 19:30:12

Local clock offset: 1.377 ms

Remote clock offset: -1.865 ms

Run 2: Report of Sprout — Data Link

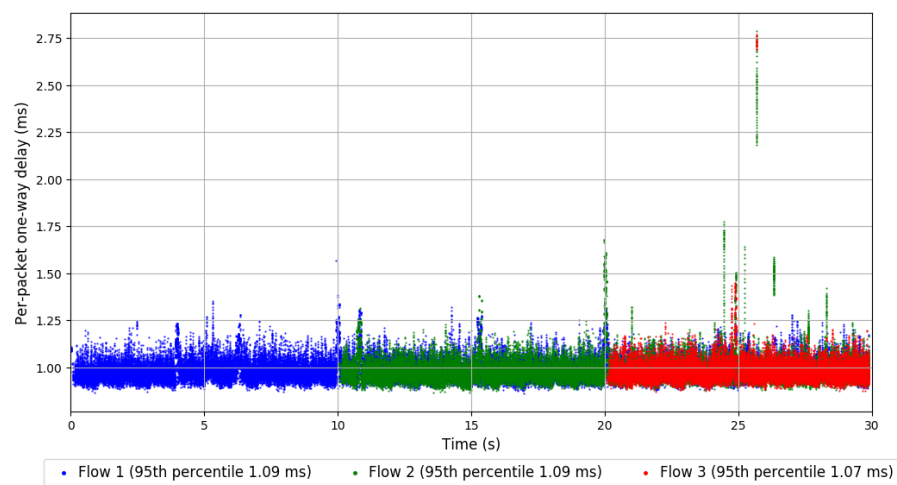
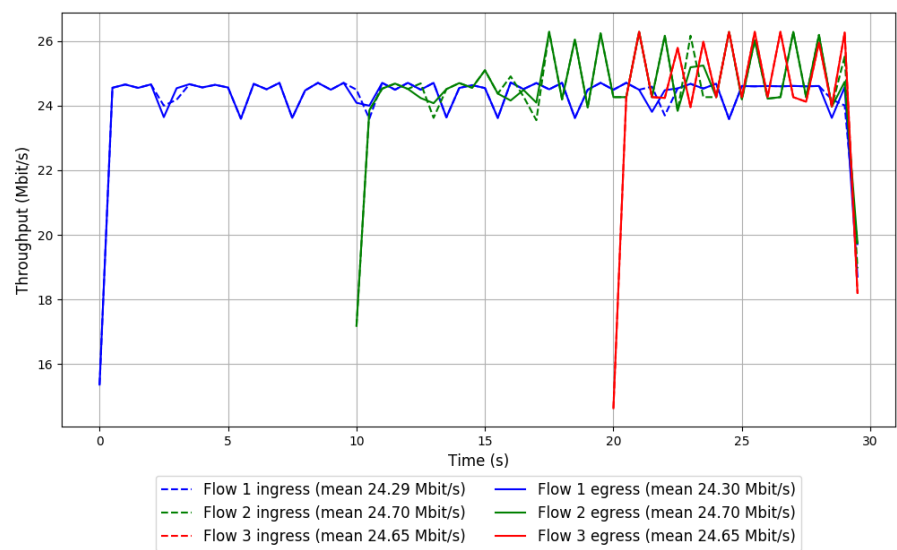


Run 3: Statistics of Sprout

Start at: 2017-12-05 19:50:19
End at: 2017-12-05 19:50:49
Local clock offset: 1.347 ms
Remote clock offset: -1.301 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

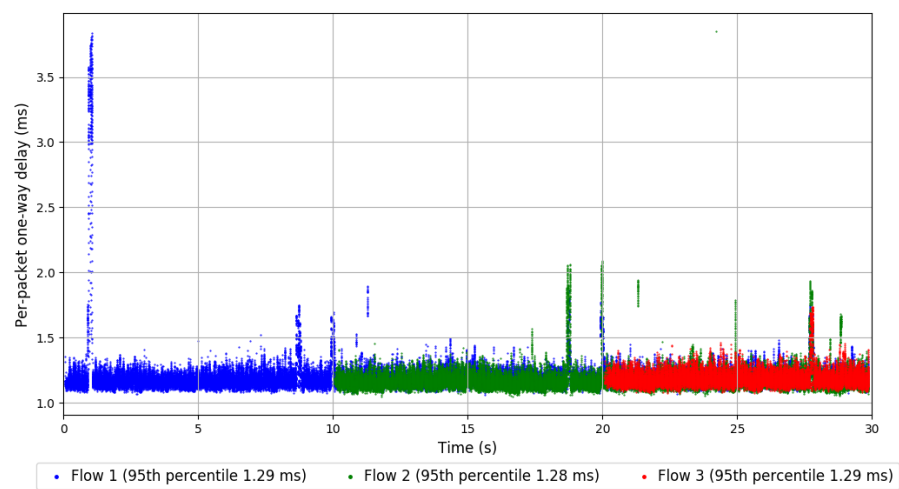
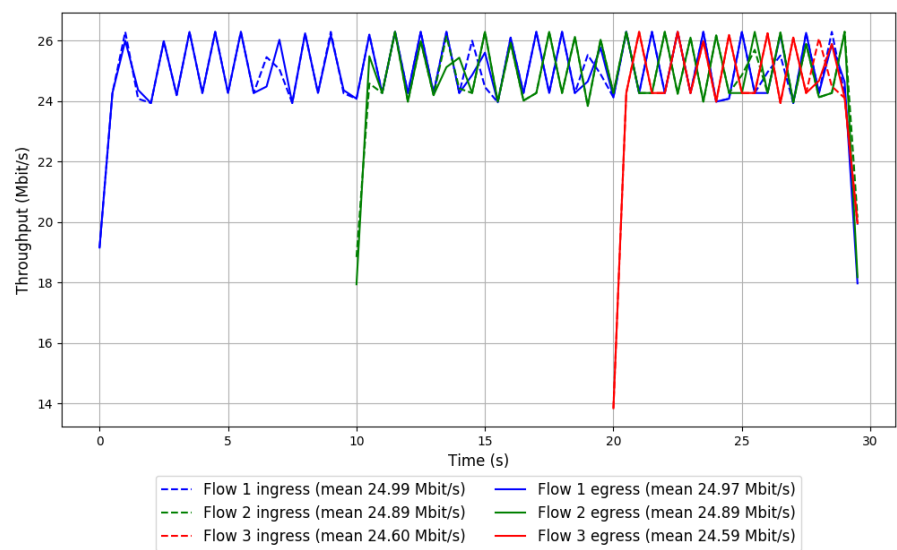


Run 4: Statistics of Sprout

Start at: 2017-12-05 20:10:55
End at: 2017-12-05 20:11:25
Local clock offset: 1.503 ms
Remote clock offset: -0.936 ms

```
# Below is generated by plot.py at 2017-12-06 02:55:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

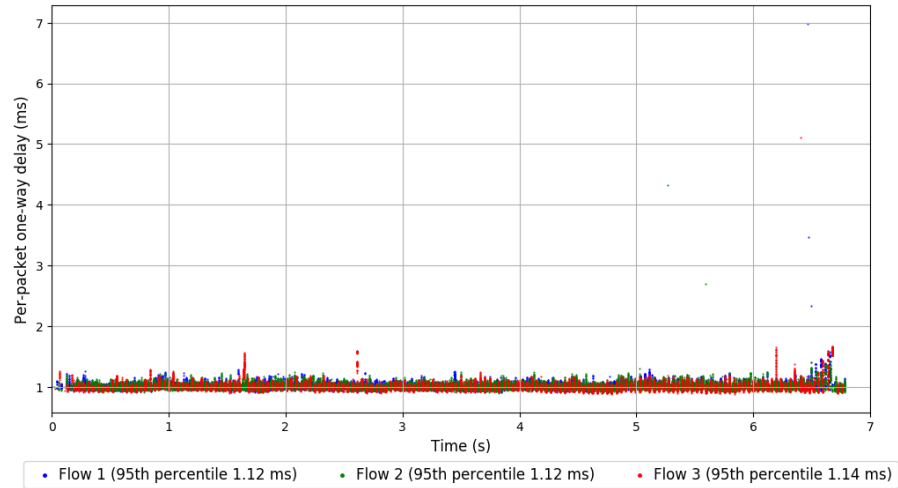
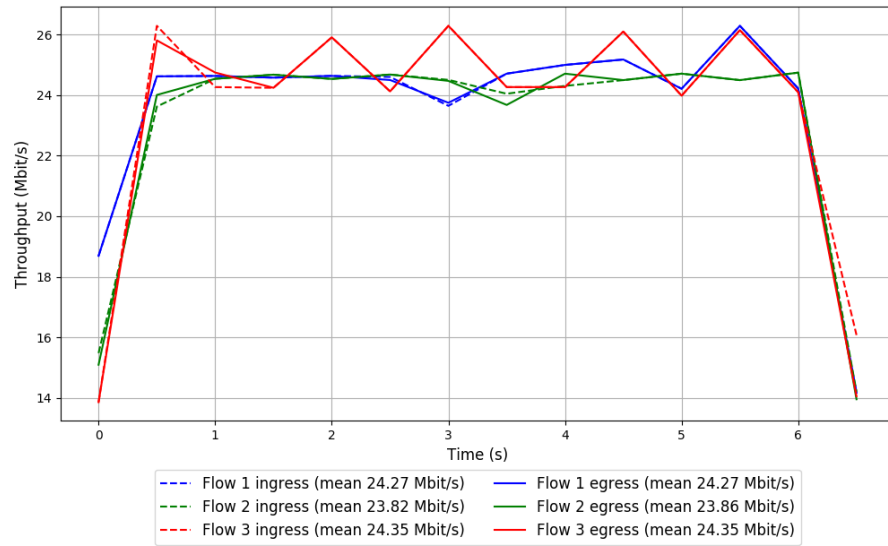
Start at: 2017-12-05 20:31:24

End at: 2017-12-05 20:31:54

Local clock offset: 1.372 ms

Remote clock offset: -1.035 ms

Run 5: Report of Sprout — Data Link

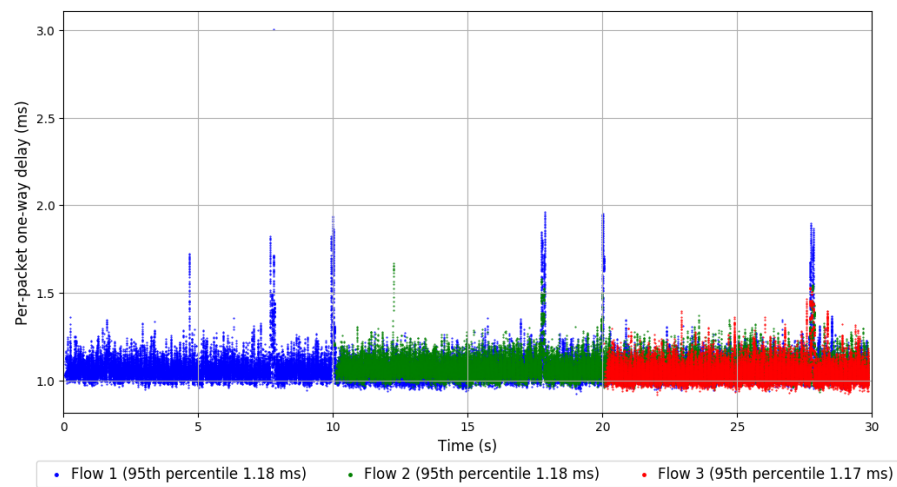
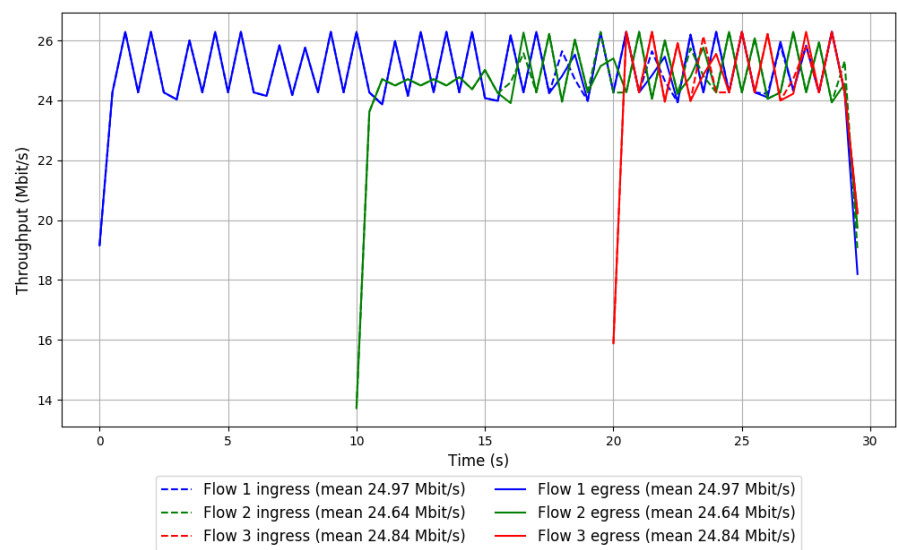


Run 6: Statistics of Sprout

Start at: 2017-12-05 20:51:36
End at: 2017-12-05 20:52:06
Local clock offset: 1.237 ms
Remote clock offset: -1.048 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

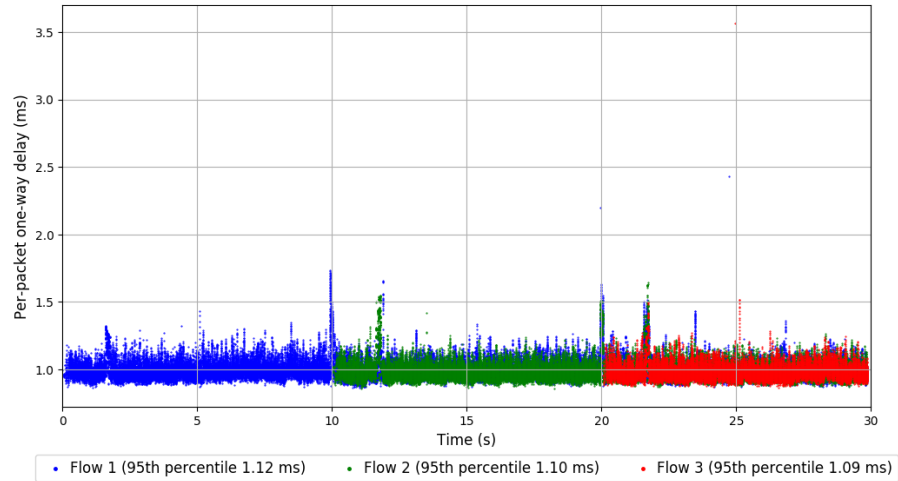
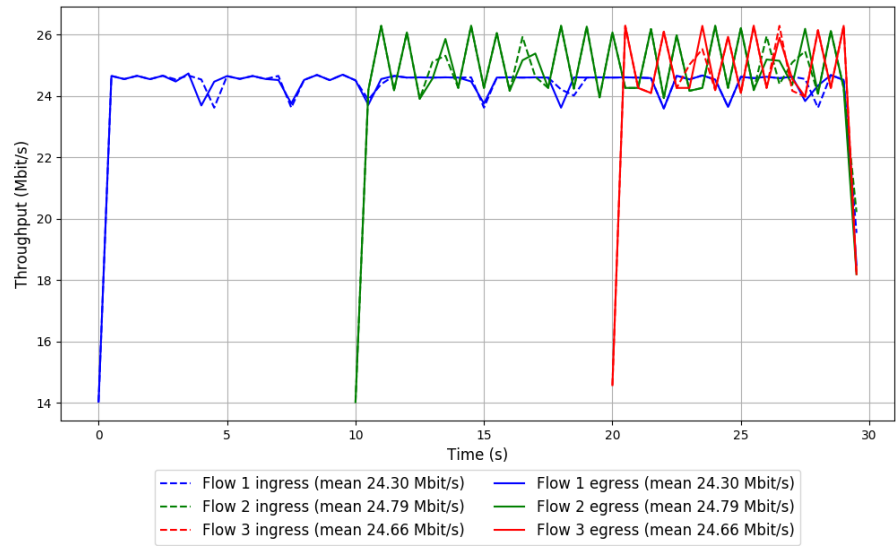


Run 7: Statistics of Sprout

Start at: 2017-12-05 21:12:22
End at: 2017-12-05 21:12:52
Local clock offset: 1.293 ms
Remote clock offset: -0.881 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.86 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

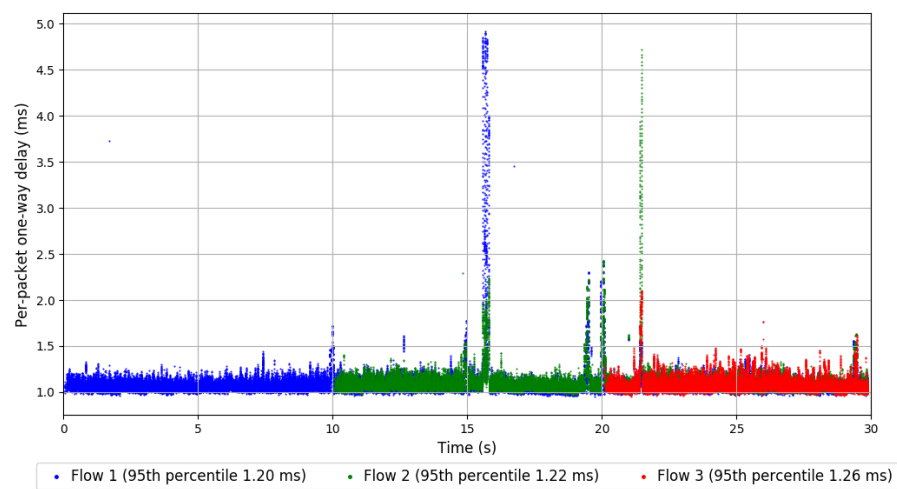
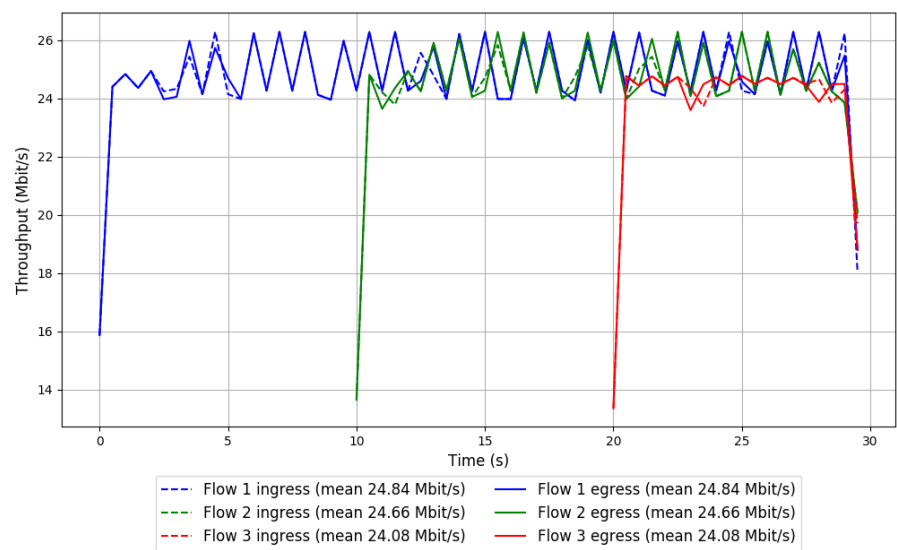


Run 8: Statistics of Sprout

Start at: 2017-12-05 21:33:04
End at: 2017-12-05 21:33:34
Local clock offset: 1.357 ms
Remote clock offset: -1.034 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.19%

Run 8: Report of Sprout — Data Link

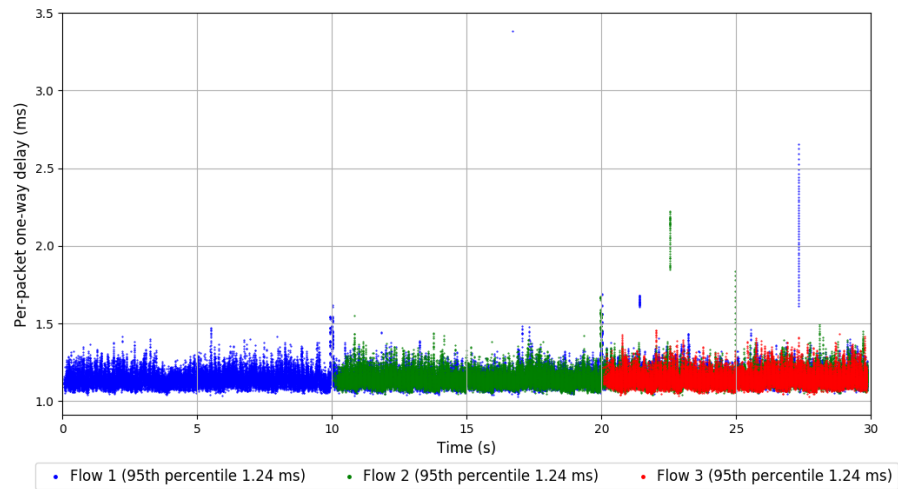
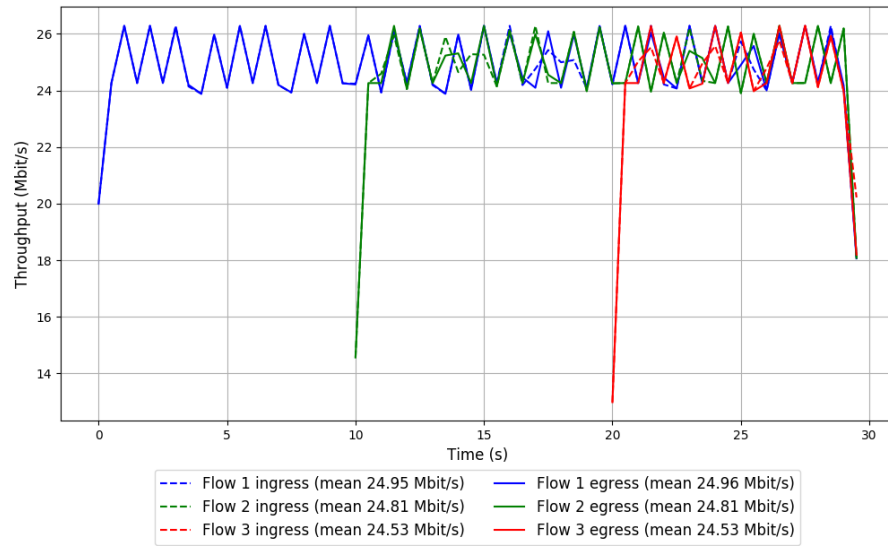


Run 9: Statistics of Sprout

Start at: 2017-12-05 21:53:48
End at: 2017-12-05 21:54:18
Local clock offset: 1.348 ms
Remote clock offset: -1.114 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.42%

Run 9: Report of Sprout — Data Link

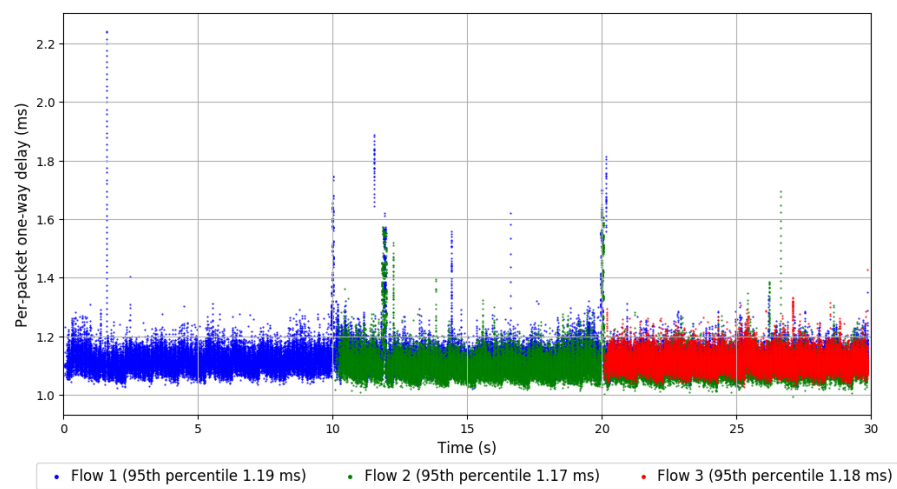
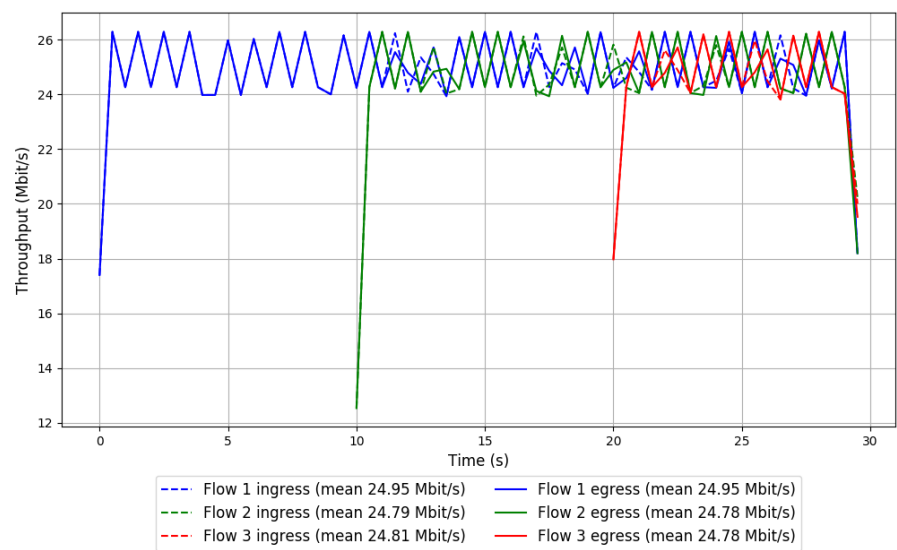


Run 10: Statistics of Sprout

Start at: 2017-12-05 22:14:05
End at: 2017-12-05 22:14:35
Local clock offset: 1.228 ms
Remote clock offset: -1.168 ms

Below is generated by plot.py at 2017-12-06 02:55:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.52 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.10%

Run 10: Report of Sprout — Data Link

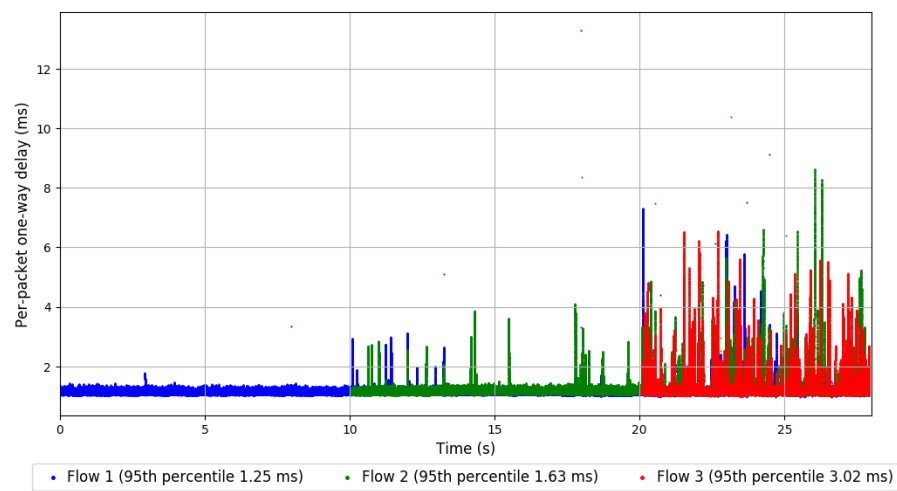
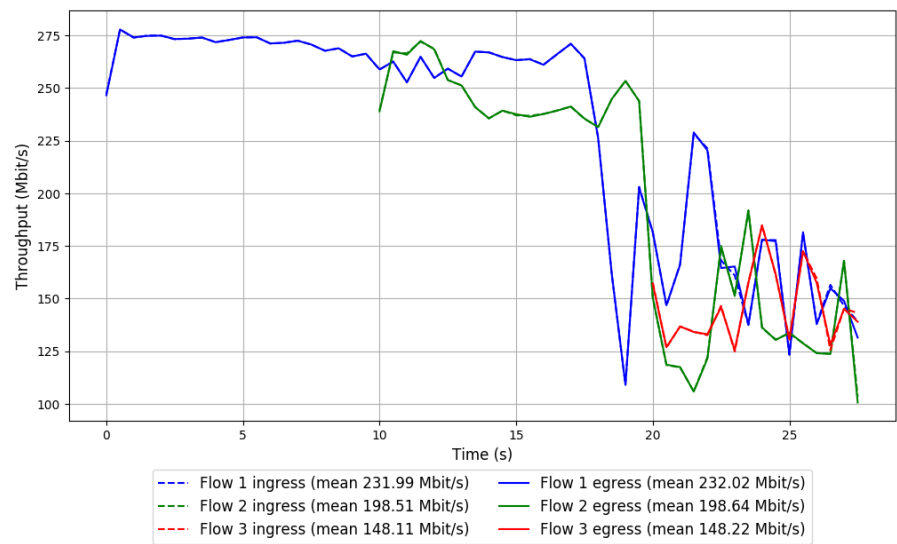


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-05 19:04:37
End at: 2017-12-05 19:05:07
Local clock offset: 1.417 ms
Remote clock offset: -2.499 ms

# Below is generated by plot.py at 2017-12-06 03:02:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 401.21 Mbit/s
95th percentile per-packet one-way delay: 1.494 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 232.02 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 198.64 Mbit/s
95th percentile per-packet one-way delay: 1.629 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 148.22 Mbit/s
95th percentile per-packet one-way delay: 3.024 ms
Loss rate: 0.18%
```


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

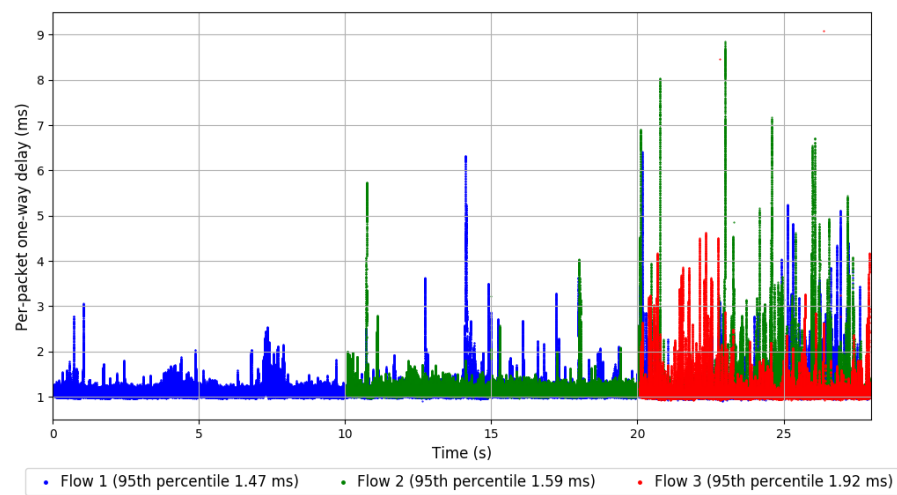
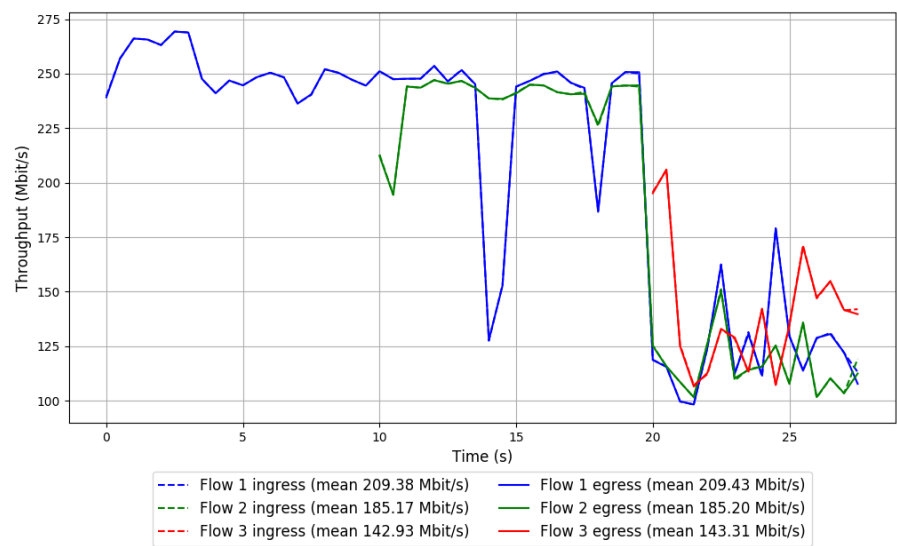


Run 2: Statistics of TaoVA-100x

Start at: 2017-12-05 19:25:19
End at: 2017-12-05 19:25:49
Local clock offset: 1.485 ms
Remote clock offset: -1.933 ms

Below is generated by plot.py at 2017-12-06 03:02:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.62 Mbit/s
95th percentile per-packet one-way delay: 1.544 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 209.43 Mbit/s
95th percentile per-packet one-way delay: 1.465 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 185.20 Mbit/s
95th percentile per-packet one-way delay: 1.592 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 143.31 Mbit/s
95th percentile per-packet one-way delay: 1.918 ms
Loss rate: 0.10%

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

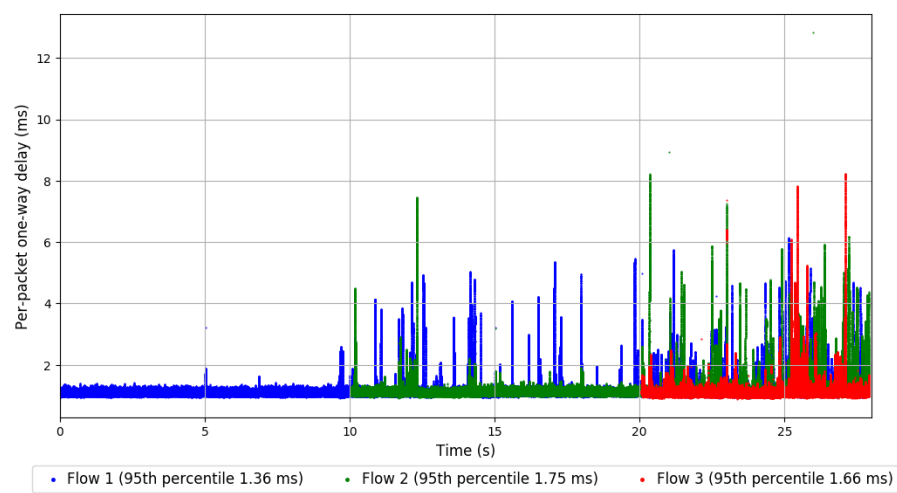
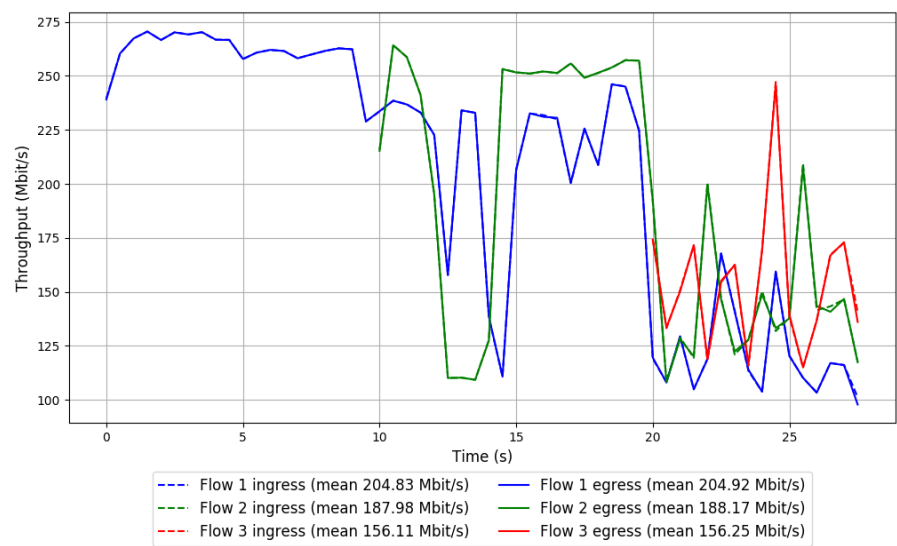


Run 3: Statistics of TaoVA-100x

Start at: 2017-12-05 19:45:57
End at: 2017-12-05 19:46:27
Local clock offset: 1.456 ms
Remote clock offset: -1.335 ms

Below is generated by plot.py at 2017-12-06 03:02:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.67 Mbit/s
95th percentile per-packet one-way delay: 1.531 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 204.92 Mbit/s
95th percentile per-packet one-way delay: 1.359 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 188.17 Mbit/s
95th percentile per-packet one-way delay: 1.745 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 156.25 Mbit/s
95th percentile per-packet one-way delay: 1.661 ms
Loss rate: 0.20%

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

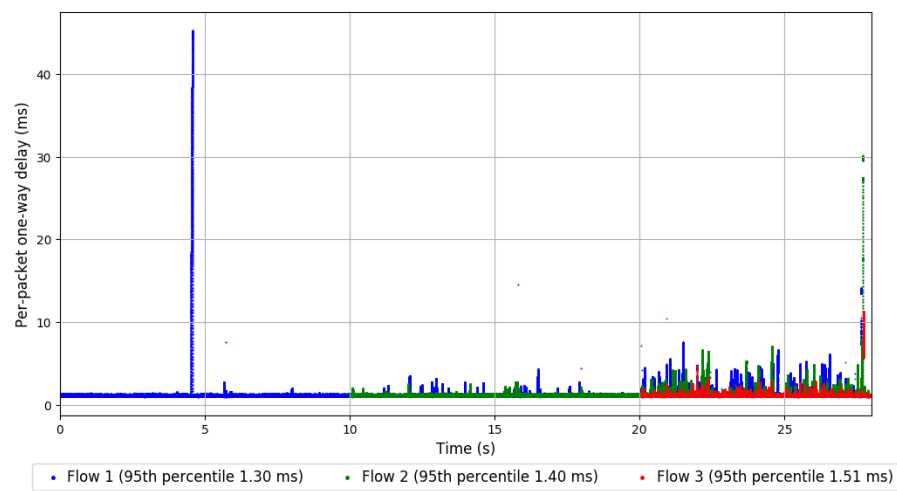
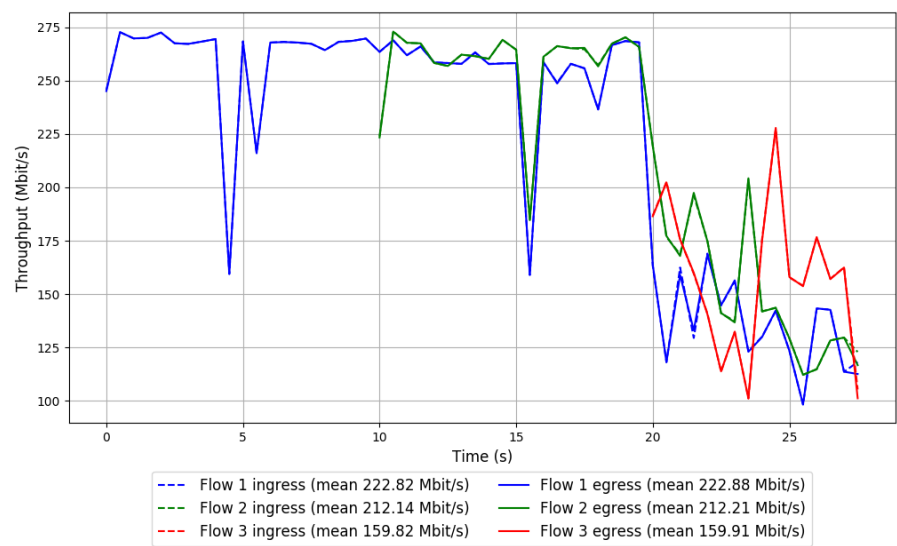


Run 4: Statistics of TaoVA-100x

Start at: 2017-12-05 20:06:31
End at: 2017-12-05 20:07:01
Local clock offset: 1.427 ms
Remote clock offset: -1.076 ms

Below is generated by plot.py at 2017-12-06 03:02:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.12 Mbit/s
95th percentile per-packet one-way delay: 1.374 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 222.88 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 212.21 Mbit/s
95th percentile per-packet one-way delay: 1.399 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 159.91 Mbit/s
95th percentile per-packet one-way delay: 1.510 ms
Loss rate: 0.19%

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

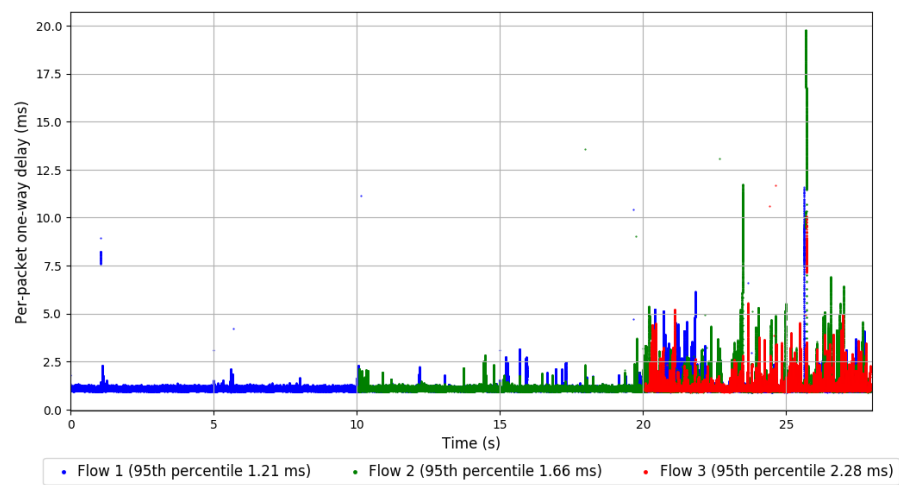
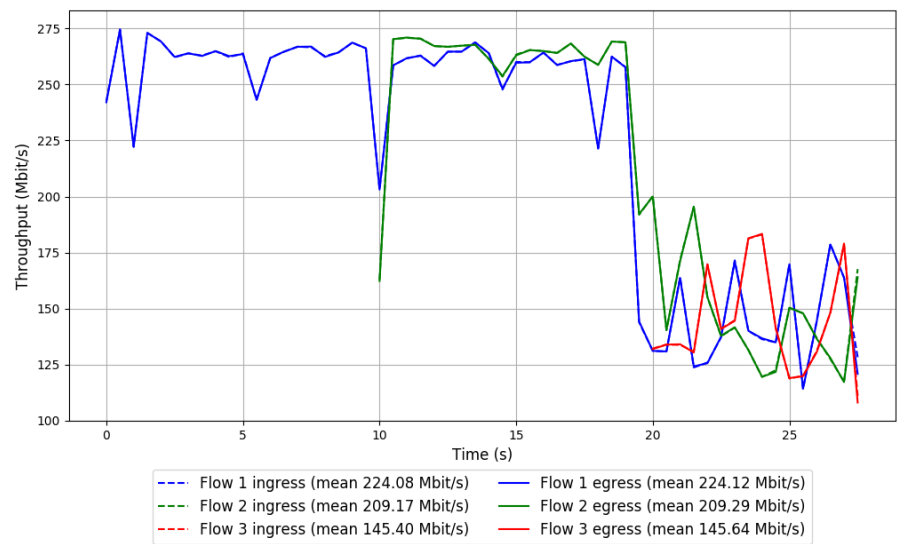


Run 5: Statistics of TaoVA-100x

Start at: 2017-12-05 20:27:07
End at: 2017-12-05 20:27:37
Local clock offset: 1.371 ms
Remote clock offset: -1.042 ms

Below is generated by plot.py at 2017-12-06 03:02:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.42 Mbit/s
95th percentile per-packet one-way delay: 1.472 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 224.12 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 209.29 Mbit/s
95th percentile per-packet one-way delay: 1.661 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 145.64 Mbit/s
95th percentile per-packet one-way delay: 2.281 ms
Loss rate: 0.13%

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

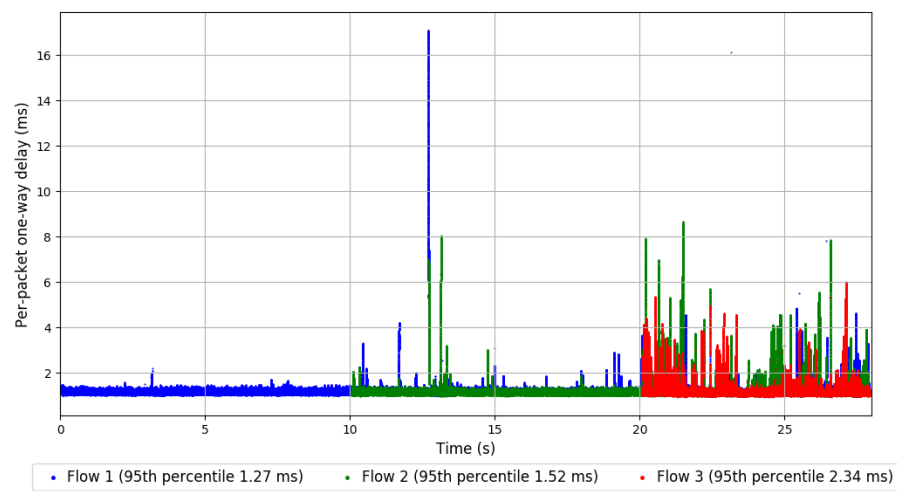
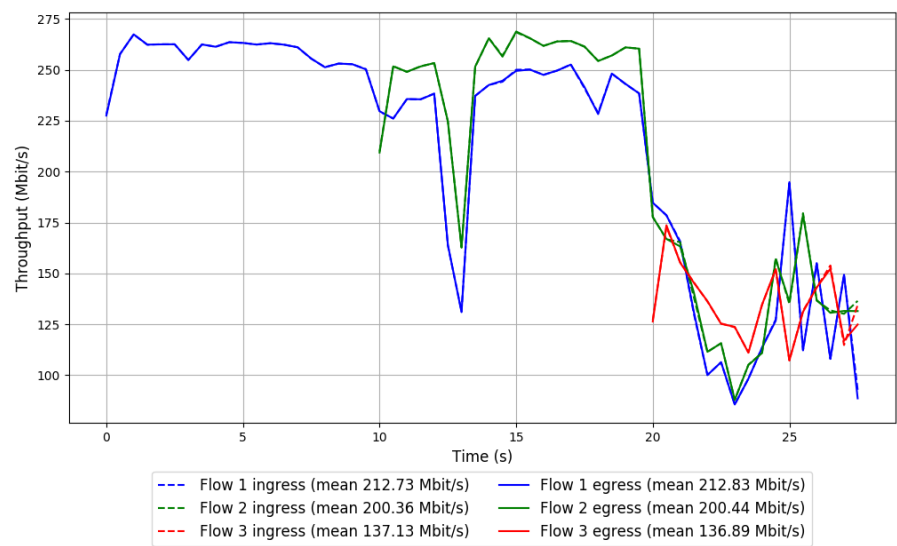


Run 6: Statistics of TaoVA-100x

Start at: 2017-12-05 20:47:34
End at: 2017-12-05 20:48:04
Local clock offset: 1.34 ms
Remote clock offset: -0.907 ms

Below is generated by plot.py at 2017-12-06 03:02:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.95 Mbit/s
95th percentile per-packet one-way delay: 1.378 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 212.83 Mbit/s
95th percentile per-packet one-way delay: 1.271 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 200.44 Mbit/s
95th percentile per-packet one-way delay: 1.516 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 136.89 Mbit/s
95th percentile per-packet one-way delay: 2.343 ms
Loss rate: 0.44%

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

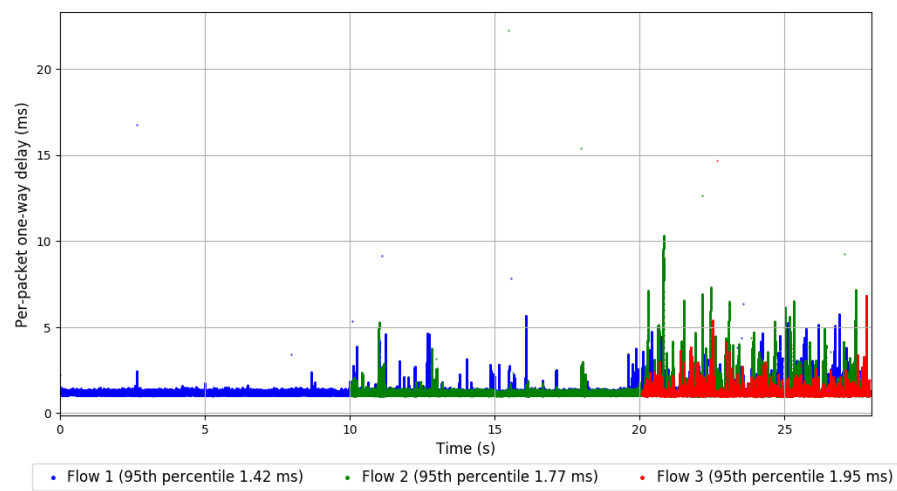
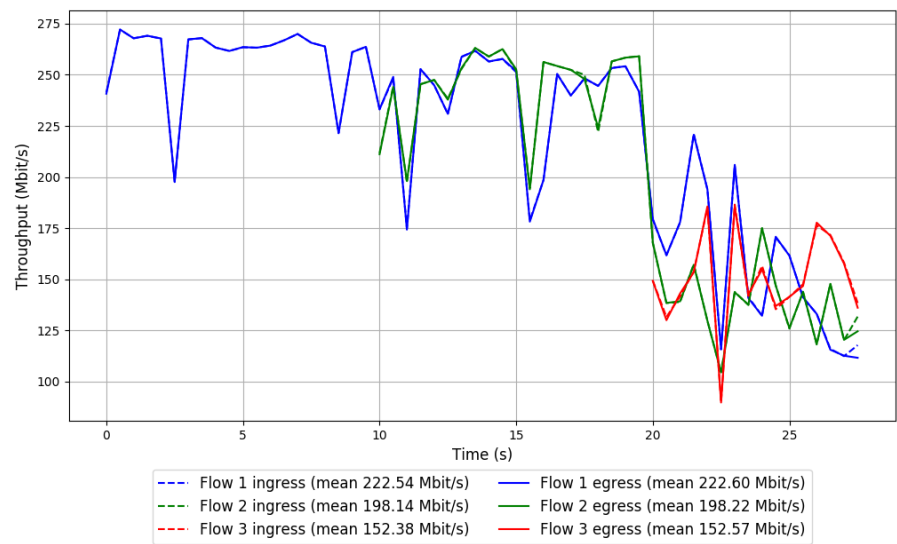


Run 7: Statistics of TaoVA-100x

Start at: 2017-12-05 21:07:54
End at: 2017-12-05 21:08:24
Local clock offset: 1.343 ms
Remote clock offset: -0.994 ms

Below is generated by plot.py at 2017-12-06 03:04:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 392.64 Mbit/s
95th percentile per-packet one-way delay: 1.618 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 222.60 Mbit/s
95th percentile per-packet one-way delay: 1.418 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 198.22 Mbit/s
95th percentile per-packet one-way delay: 1.772 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 152.57 Mbit/s
95th percentile per-packet one-way delay: 1.952 ms
Loss rate: 0.14%

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

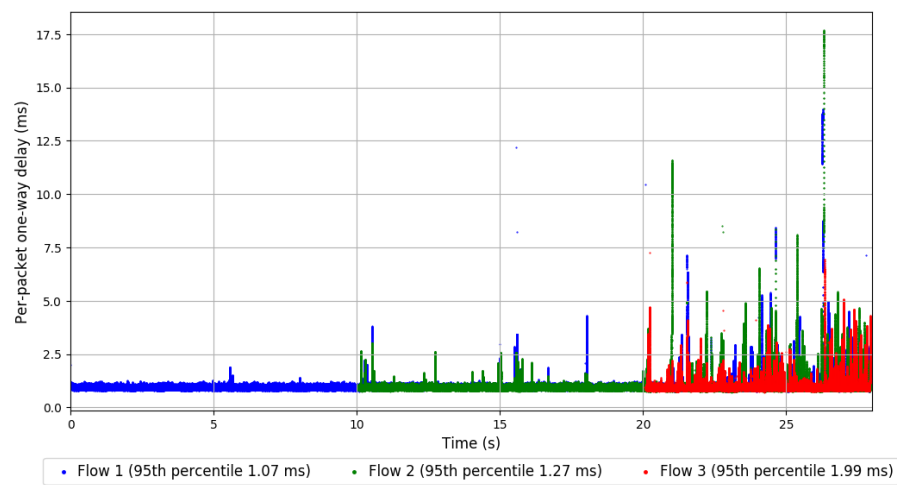
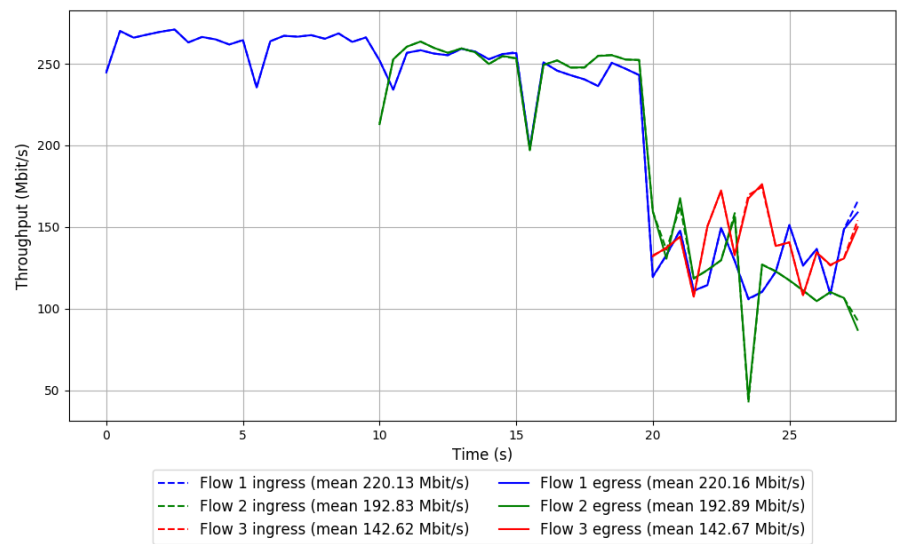


Run 8: Statistics of TaoVA-100x

Start at: 2017-12-05 21:28:41
End at: 2017-12-05 21:29:11
Local clock offset: 1.294 ms
Remote clock offset: -0.814 ms

Below is generated by plot.py at 2017-12-06 03:05:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.07 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 220.16 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 192.89 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 142.67 Mbit/s
95th percentile per-packet one-way delay: 1.994 ms
Loss rate: 0.20%

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

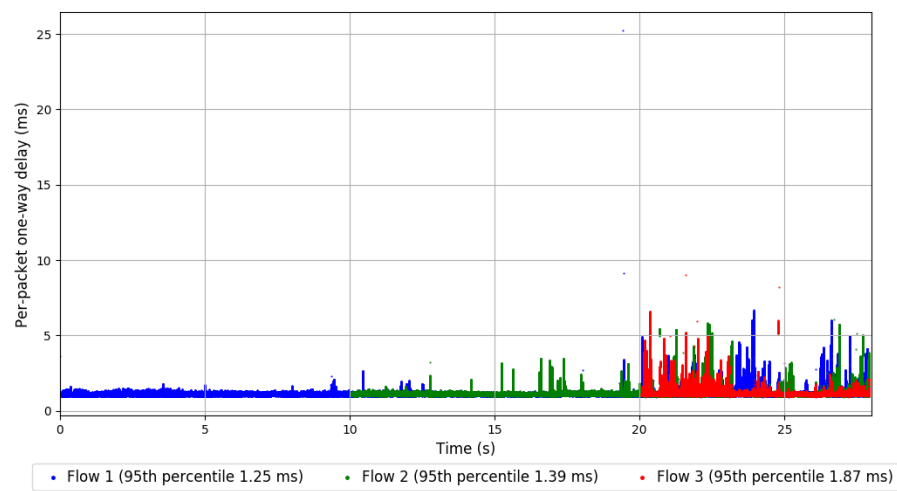
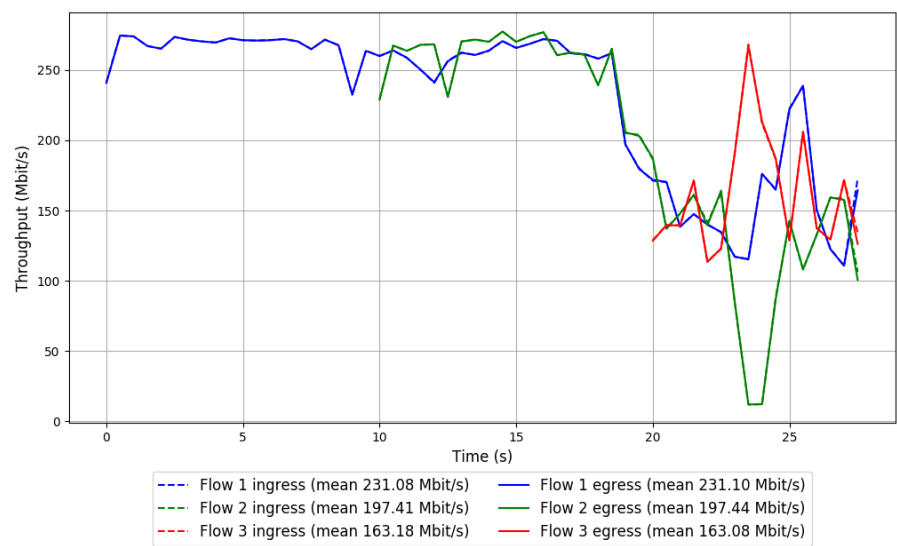


Run 9: Statistics of TaoVA-100x

Start at: 2017-12-05 21:49:27
End at: 2017-12-05 21:49:57
Local clock offset: 1.405 ms
Remote clock offset: -1.091 ms

Below is generated by plot.py at 2017-12-06 03:11:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.73 Mbit/s
95th percentile per-packet one-way delay: 1.343 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 231.10 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 197.44 Mbit/s
95th percentile per-packet one-way delay: 1.386 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 163.08 Mbit/s
95th percentile per-packet one-way delay: 1.869 ms
Loss rate: 0.32%

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

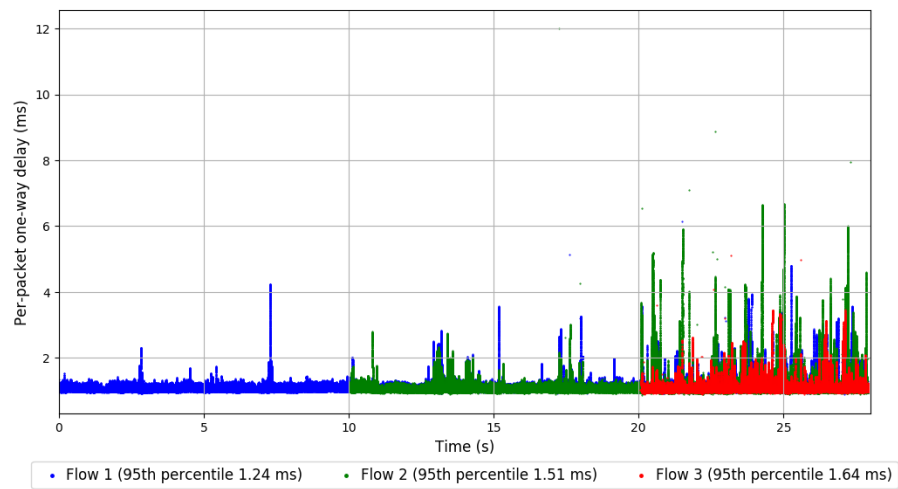
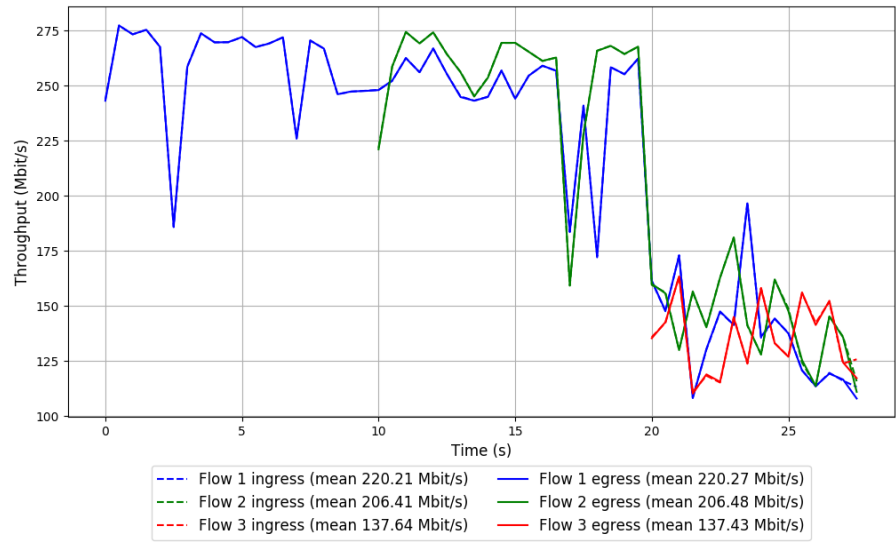


Run 10: Statistics of TaoVA-100x

Start at: 2017-12-05 22:10:00
End at: 2017-12-05 22:10:30
Local clock offset: 1.161 ms
Remote clock offset: -1.177 ms

Below is generated by plot.py at 2017-12-06 03:11:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.41 Mbit/s
95th percentile per-packet one-way delay: 1.364 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 220.27 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 206.48 Mbit/s
95th percentile per-packet one-way delay: 1.512 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 137.43 Mbit/s
95th percentile per-packet one-way delay: 1.636 ms
Loss rate: 0.40%

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

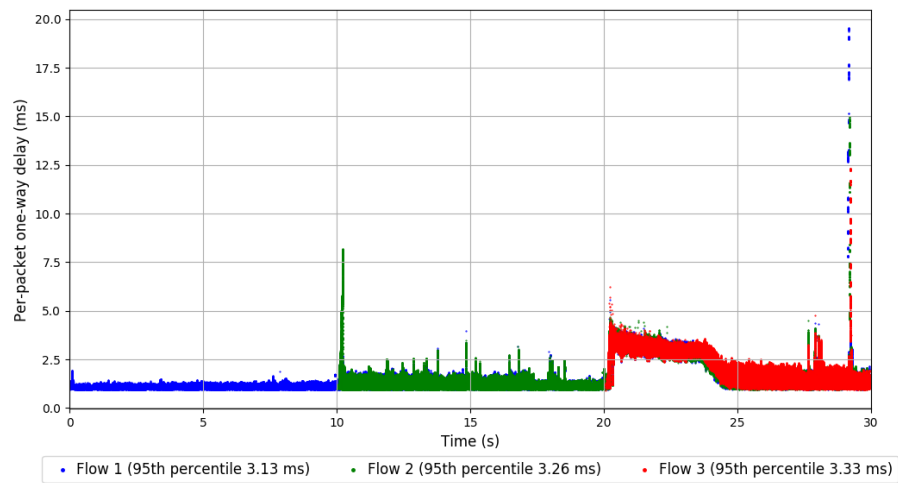
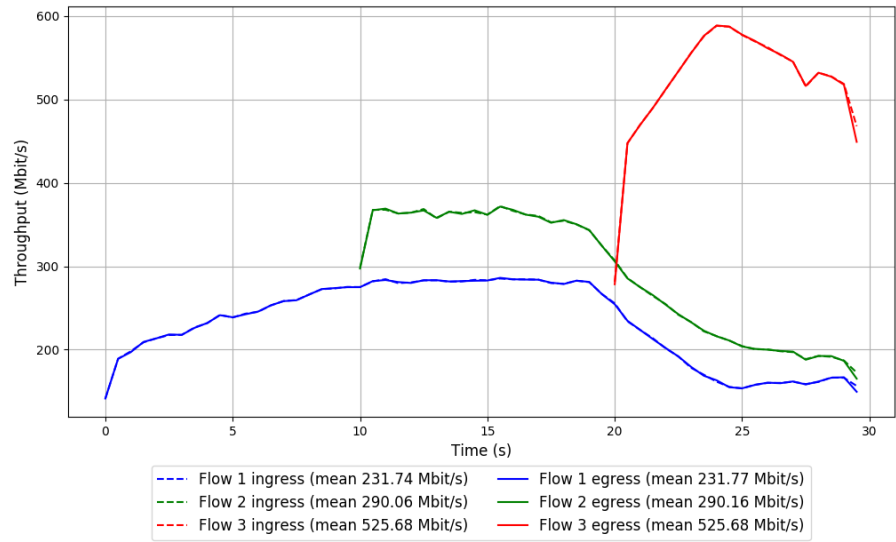


Run 1: Statistics of TCP Vegas

Start at: 2017-12-05 19:06:16
End at: 2017-12-05 19:06:46
Local clock offset: 1.426 ms
Remote clock offset: -2.358 ms

Below is generated by plot.py at 2017-12-06 03:11:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 598.51 Mbit/s
95th percentile per-packet one-way delay: 3.254 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 231.77 Mbit/s
95th percentile per-packet one-way delay: 3.127 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 290.16 Mbit/s
95th percentile per-packet one-way delay: 3.264 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 525.68 Mbit/s
95th percentile per-packet one-way delay: 3.327 ms
Loss rate: 0.20%

Run 1: Report of TCP Vegas — Data Link

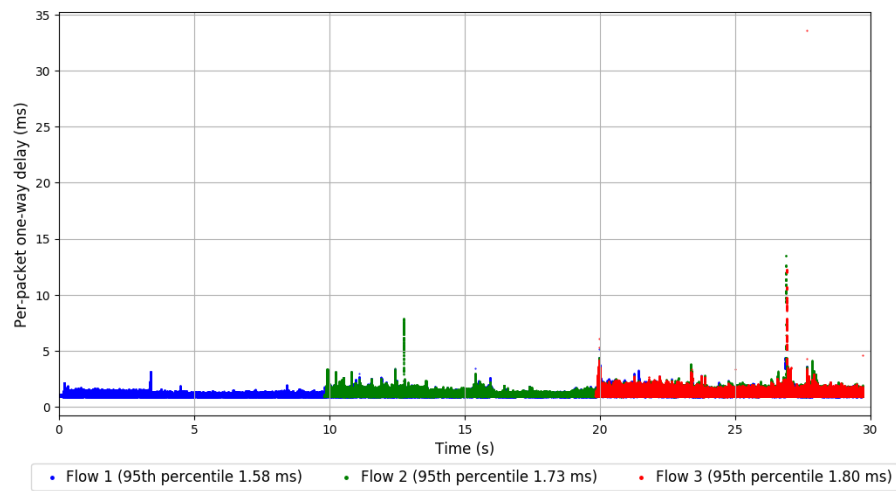
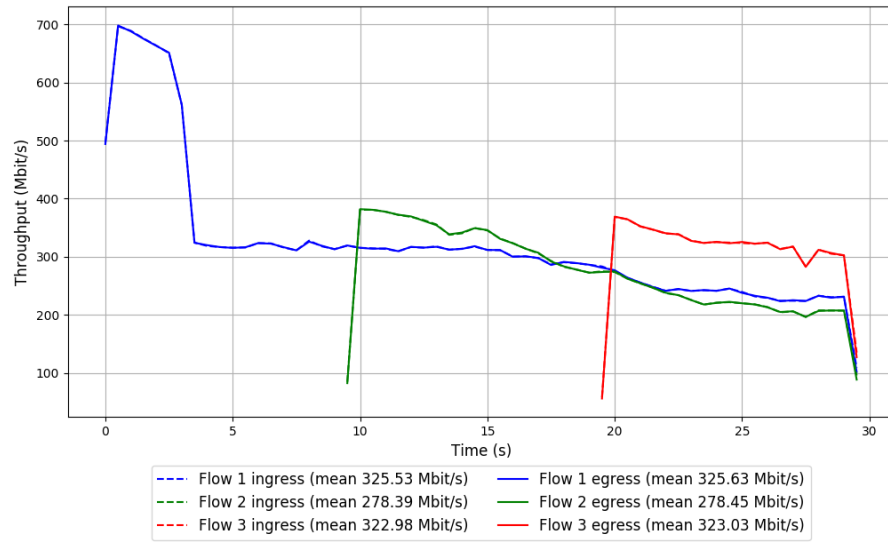


Run 2: Statistics of TCP Vegas

Start at: 2017-12-05 19:26:56
End at: 2017-12-05 19:27:26
Local clock offset: 1.377 ms
Remote clock offset: -1.933 ms

Below is generated by plot.py at 2017-12-06 03:11:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 620.02 Mbit/s
95th percentile per-packet one-way delay: 1.688 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 325.63 Mbit/s
95th percentile per-packet one-way delay: 1.583 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 278.45 Mbit/s
95th percentile per-packet one-way delay: 1.729 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 323.03 Mbit/s
95th percentile per-packet one-way delay: 1.801 ms
Loss rate: 0.14%

Run 2: Report of TCP Vegas — Data Link

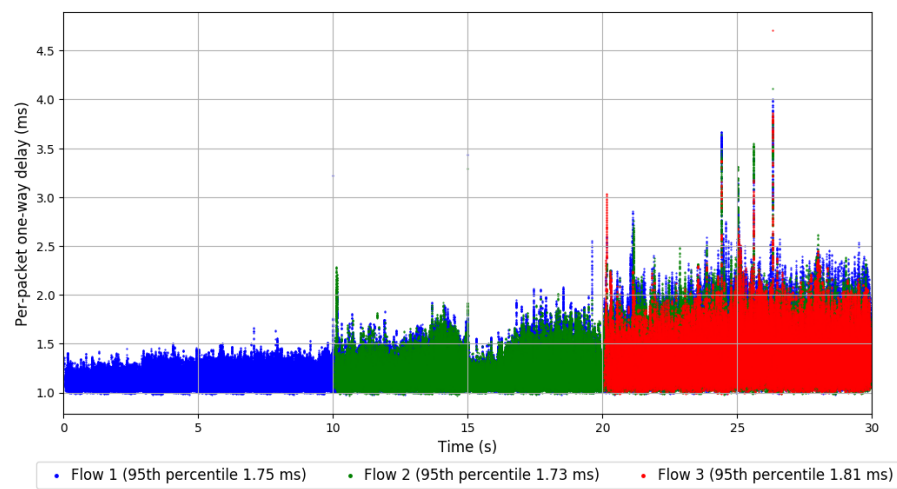
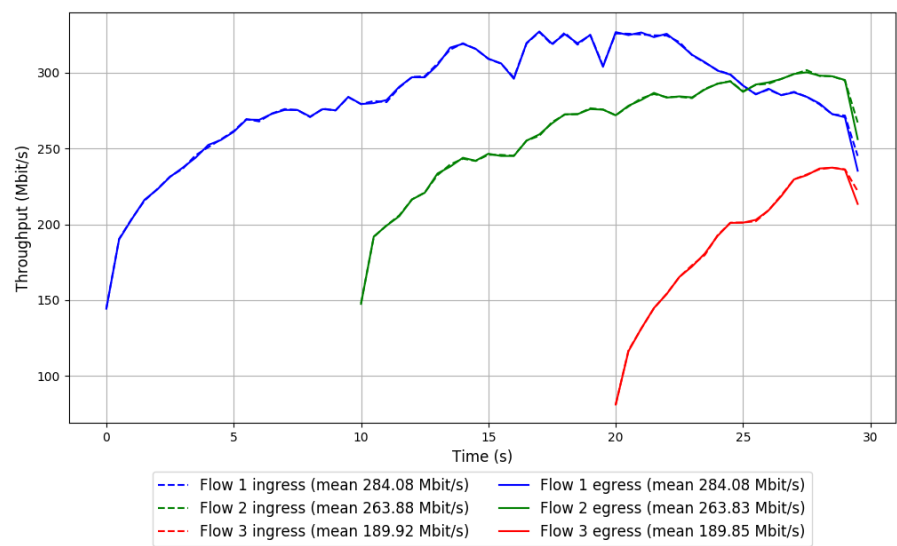


Run 3: Statistics of TCP Vegas

Start at: 2017-12-05 19:47:35
End at: 2017-12-05 19:48:05
Local clock offset: 1.452 ms
Remote clock offset: -1.337 ms

Below is generated by plot.py at 2017-12-06 03:11:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.47 Mbit/s
95th percentile per-packet one-way delay: 1.755 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 284.08 Mbit/s
95th percentile per-packet one-way delay: 1.751 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 263.83 Mbit/s
95th percentile per-packet one-way delay: 1.734 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 189.85 Mbit/s
95th percentile per-packet one-way delay: 1.811 ms
Loss rate: 0.24%

Run 3: Report of TCP Vegas — Data Link

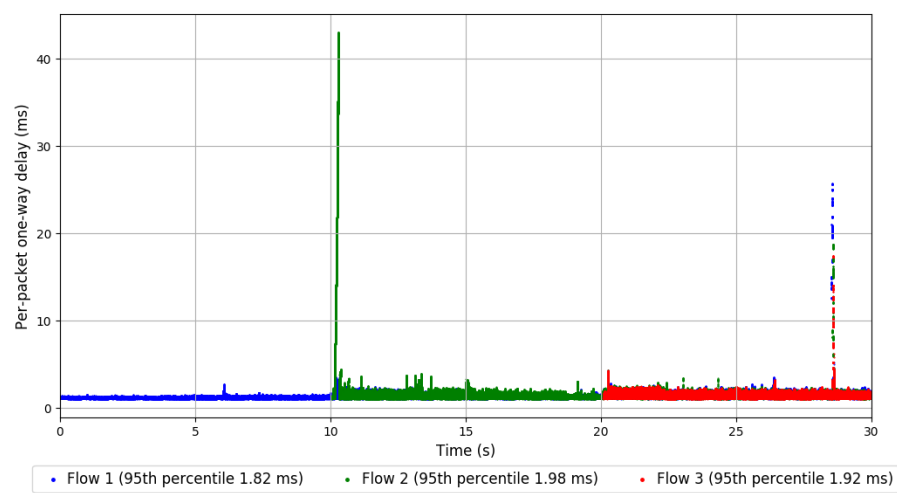
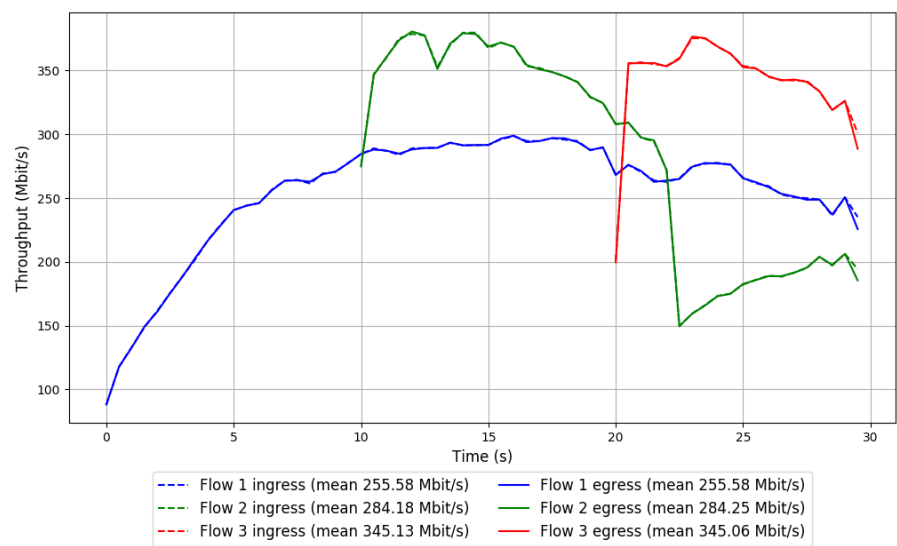


Run 4: Statistics of TCP Vegas

Start at: 2017-12-05 20:08:10
End at: 2017-12-05 20:08:40
Local clock offset: 1.483 ms
Remote clock offset: -1.011 ms

Below is generated by plot.py at 2017-12-06 03:11:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 558.48 Mbit/s
95th percentile per-packet one-way delay: 1.900 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 255.58 Mbit/s
95th percentile per-packet one-way delay: 1.818 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 284.25 Mbit/s
95th percentile per-packet one-way delay: 1.976 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 345.06 Mbit/s
95th percentile per-packet one-way delay: 1.923 ms
Loss rate: 0.19%

Run 4: Report of TCP Vegas — Data Link

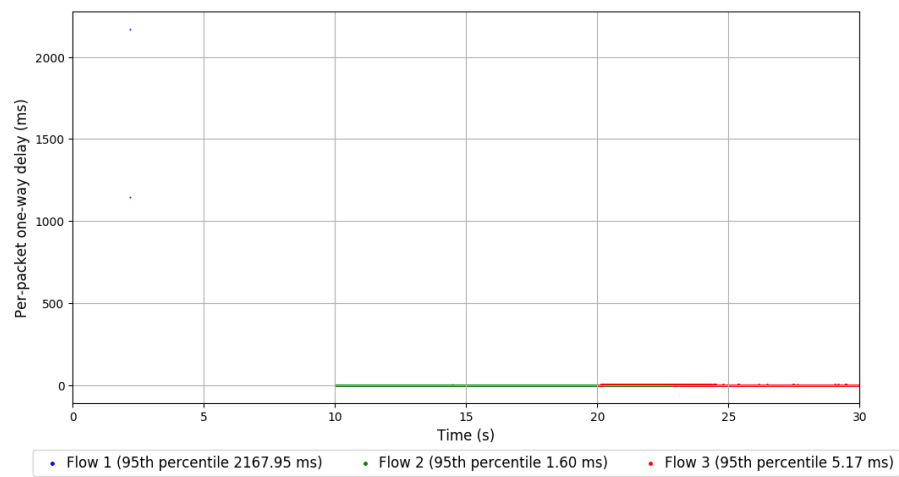
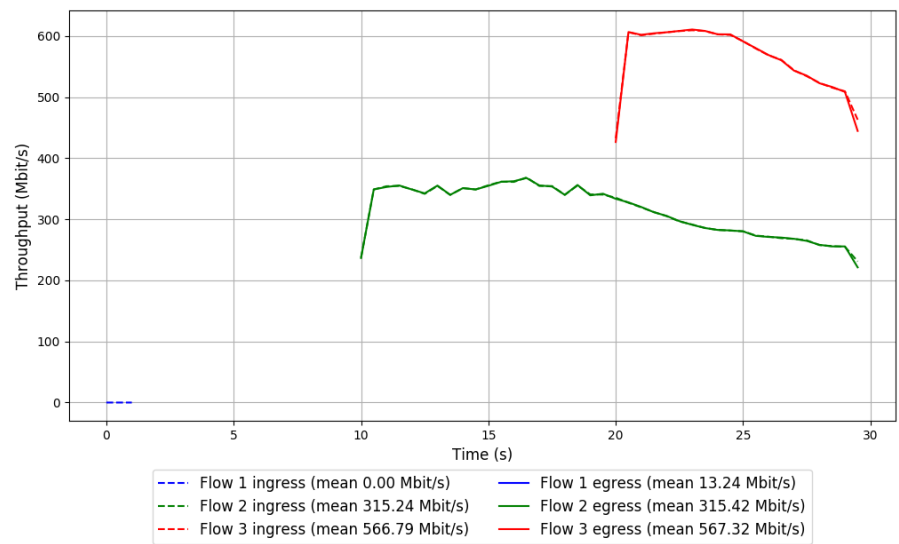


Run 5: Statistics of TCP Vegas

Start at: 2017-12-05 20:28:46
End at: 2017-12-05 20:29:16
Local clock offset: 1.361 ms
Remote clock offset: -1.008 ms

Below is generated by plot.py at 2017-12-06 03:11:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.97 Mbit/s
95th percentile per-packet one-way delay: 4.806 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 2167.947 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 315.42 Mbit/s
95th percentile per-packet one-way delay: 1.599 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 567.32 Mbit/s
95th percentile per-packet one-way delay: 5.165 ms
Loss rate: 0.18%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

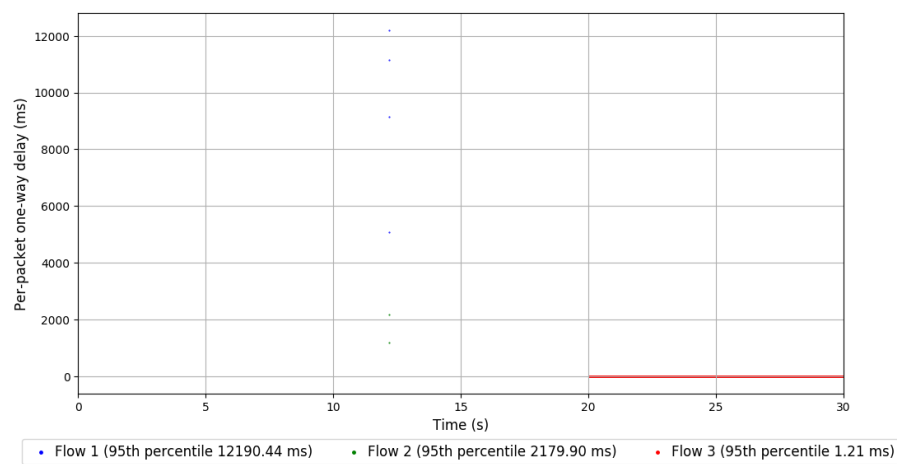
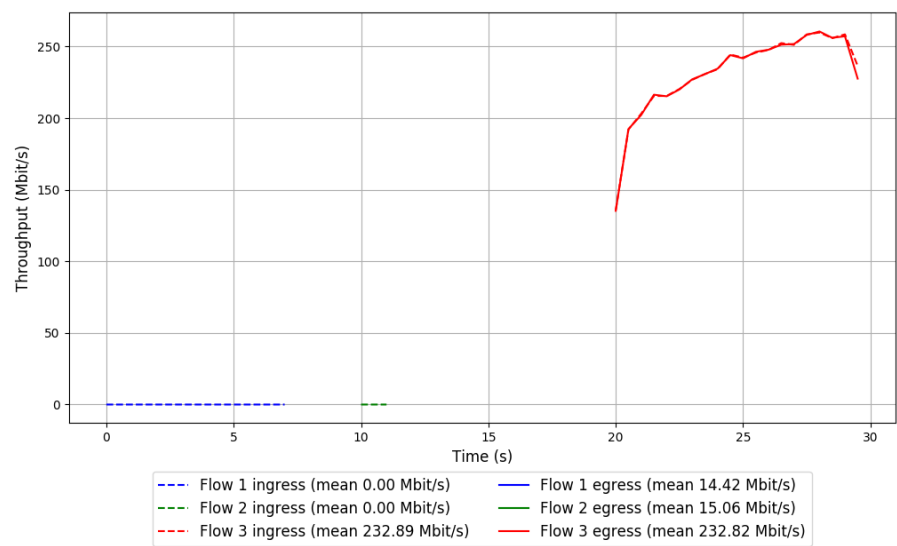
Start at: 2017-12-05 20:49:11

End at: 2017-12-05 20:49:41

Local clock offset: 1.241 ms

Remote clock offset: -0.965 ms

Run 6: Report of TCP Vegas — Data Link

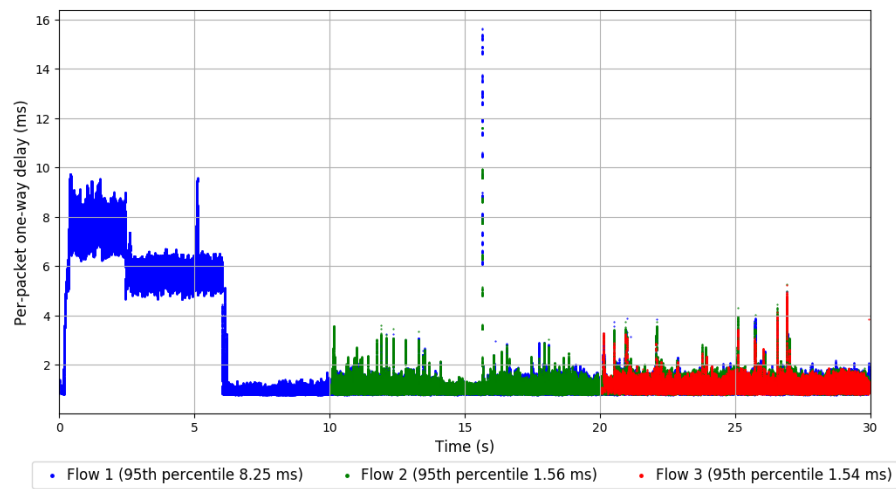
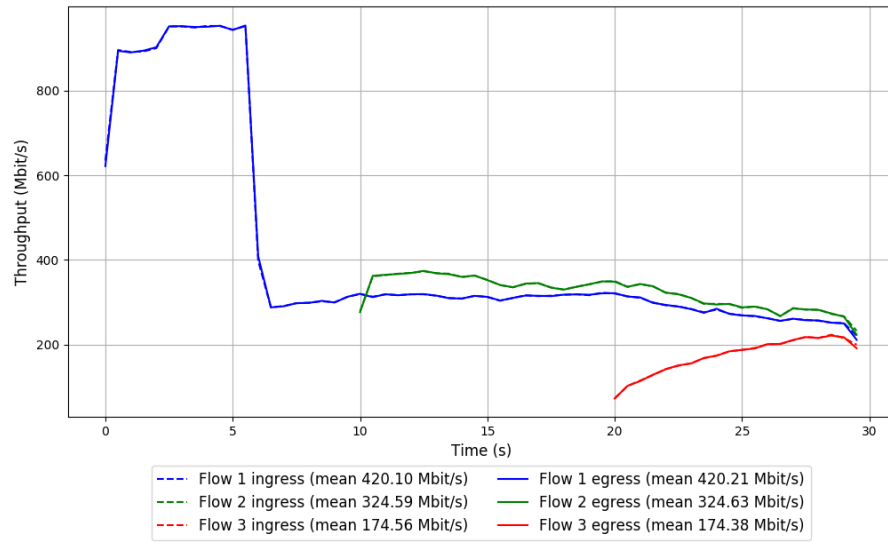


Run 7: Statistics of TCP Vegas

Start at: 2017-12-05 21:09:33
End at: 2017-12-05 21:10:03
Local clock offset: 1.259 ms
Remote clock offset: -0.858 ms

Below is generated by plot.py at 2017-12-06 03:17:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 693.96 Mbit/s
95th percentile per-packet one-way delay: 8.026 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 420.21 Mbit/s
95th percentile per-packet one-way delay: 8.252 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 324.63 Mbit/s
95th percentile per-packet one-way delay: 1.563 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 174.38 Mbit/s
95th percentile per-packet one-way delay: 1.538 ms
Loss rate: 0.26%

Run 7: Report of TCP Vegas — Data Link

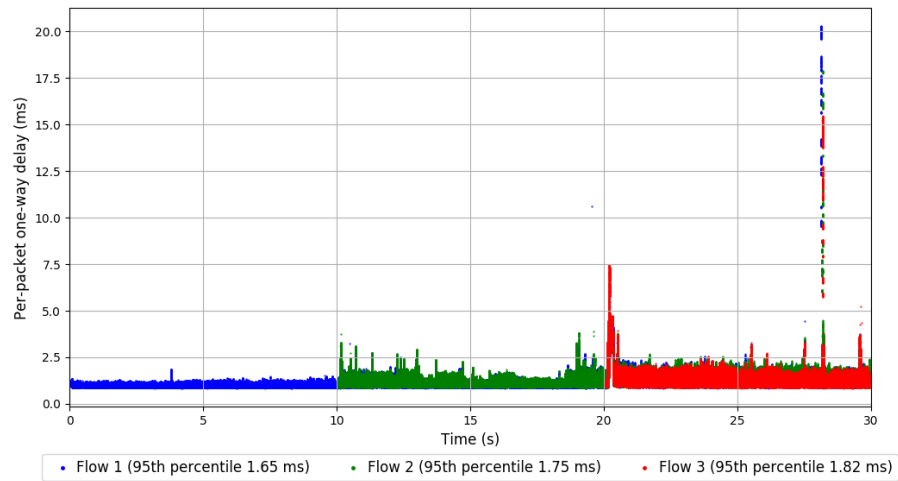
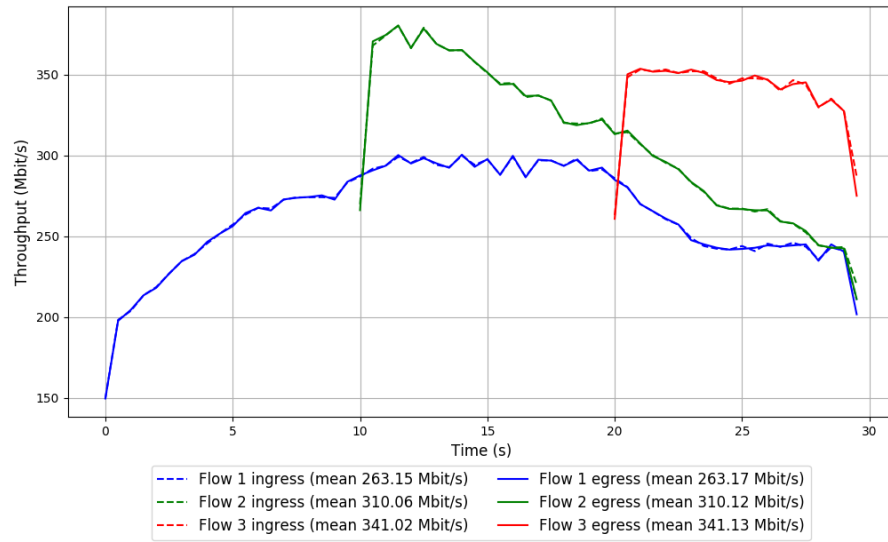


Run 8: Statistics of TCP Vegas

Start at: 2017-12-05 21:30:19
End at: 2017-12-05 21:30:49
Local clock offset: 1.335 ms
Remote clock offset: -0.881 ms

Below is generated by plot.py at 2017-12-06 03:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 582.40 Mbit/s
95th percentile per-packet one-way delay: 1.720 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 263.17 Mbit/s
95th percentile per-packet one-way delay: 1.645 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 310.12 Mbit/s
95th percentile per-packet one-way delay: 1.746 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 341.13 Mbit/s
95th percentile per-packet one-way delay: 1.818 ms
Loss rate: 0.20%

Run 8: Report of TCP Vegas — Data Link

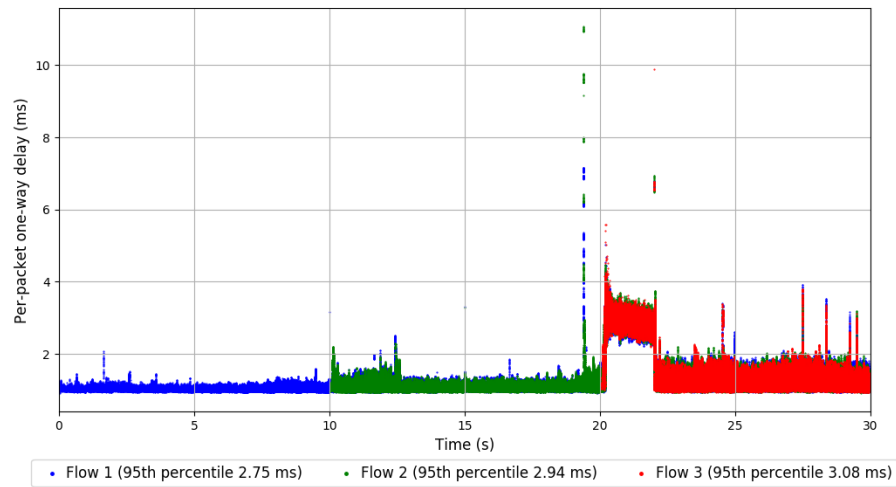
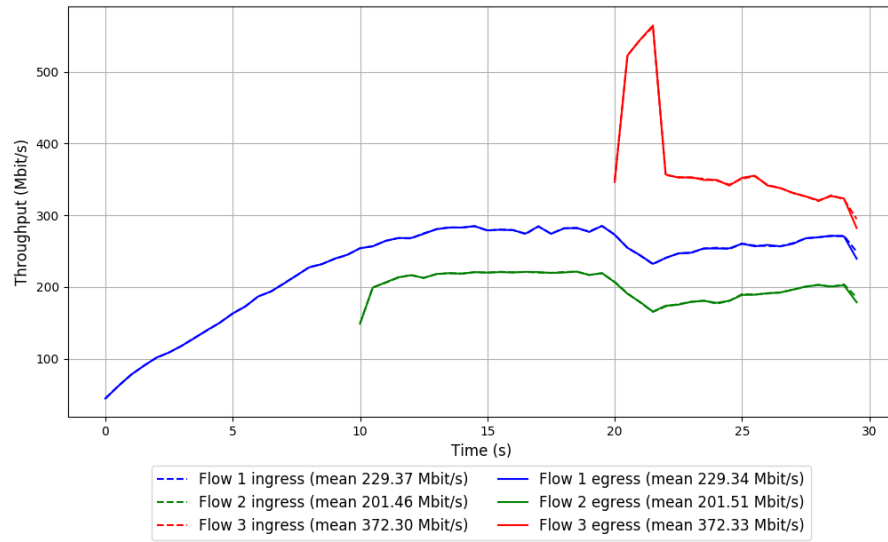


Run 9: Statistics of TCP Vegas

Start at: 2017-12-05 21:51:07
End at: 2017-12-05 21:51:37
Local clock offset: 1.286 ms
Remote clock offset: -1.143 ms

Below is generated by plot.py at 2017-12-06 03:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 486.69 Mbit/s
95th percentile per-packet one-way delay: 2.966 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 229.34 Mbit/s
95th percentile per-packet one-way delay: 2.753 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 201.51 Mbit/s
95th percentile per-packet one-way delay: 2.942 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 372.33 Mbit/s
95th percentile per-packet one-way delay: 3.084 ms
Loss rate: 0.17%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

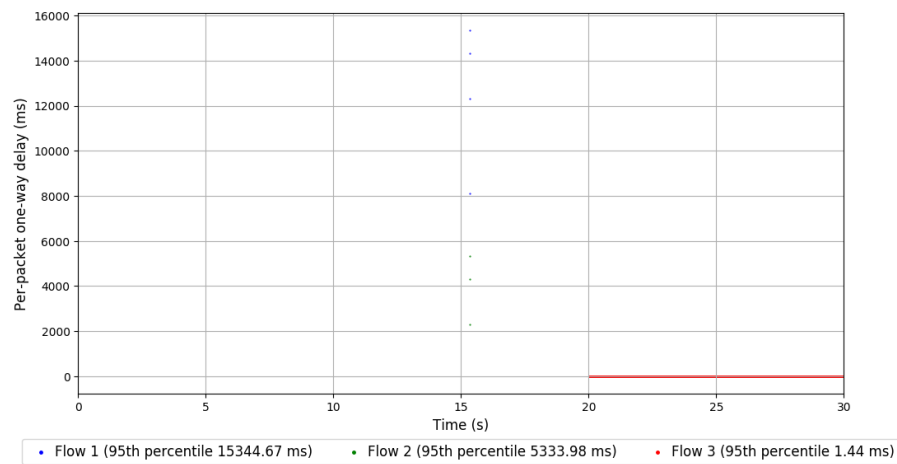
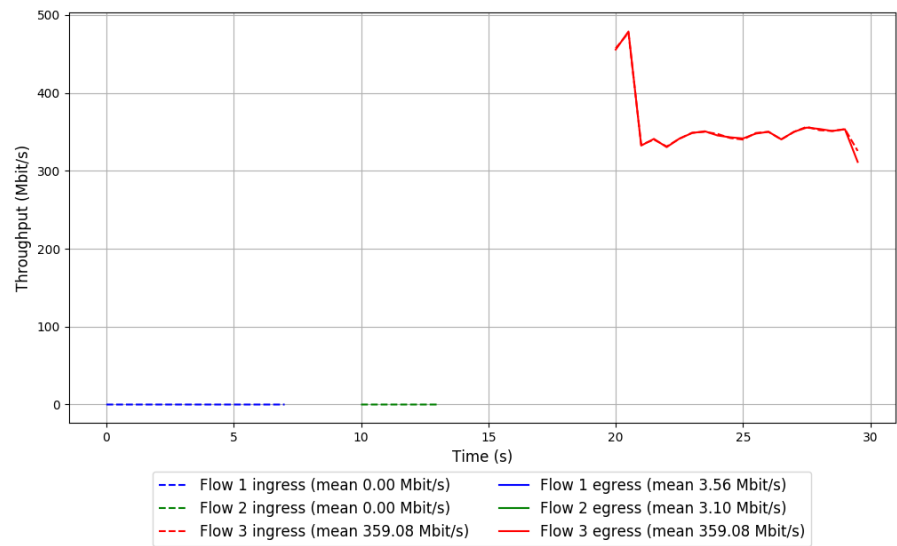
Start at: 2017-12-05 22:11:38

End at: 2017-12-05 22:12:08

Local clock offset: 1.159 ms

Remote clock offset: -1.176 ms

Run 10: Report of TCP Vegas — Data Link

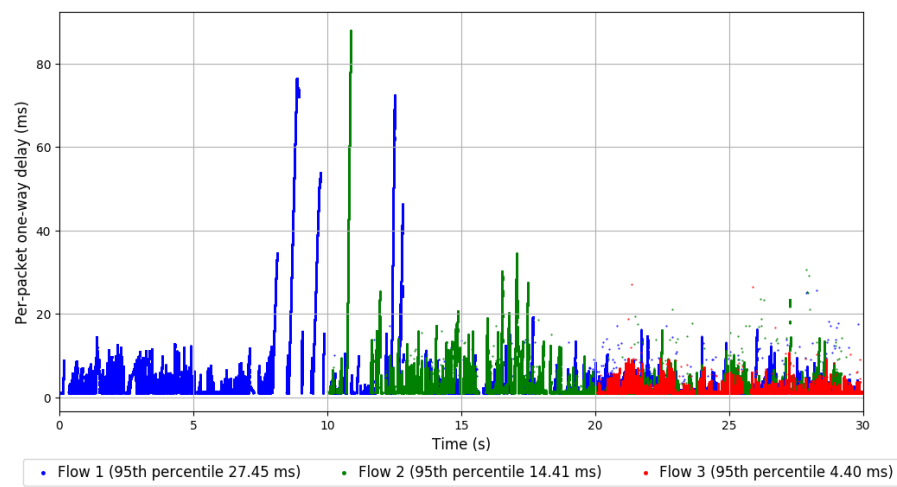
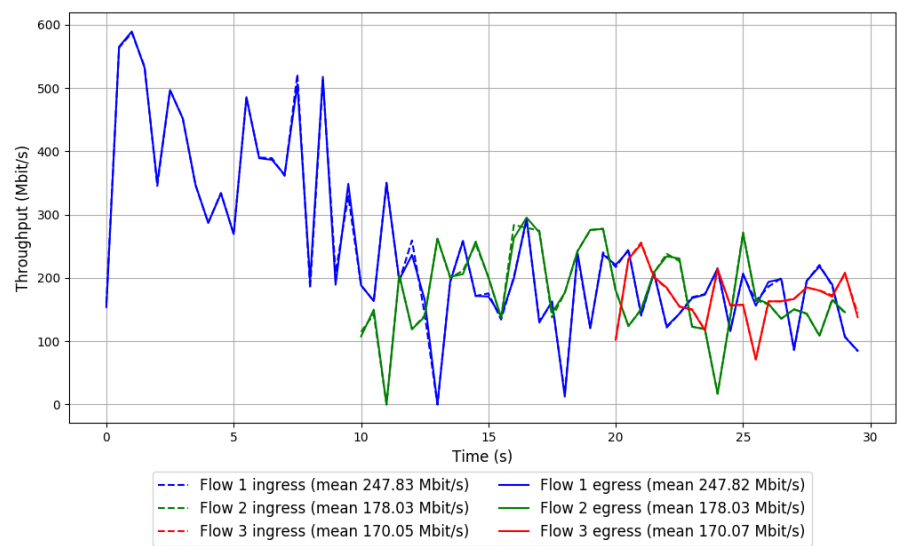


Run 1: Statistics of Verus

Start at: 2017-12-05 19:10:14
End at: 2017-12-05 19:10:44
Local clock offset: 1.493 ms
Remote clock offset: -2.302 ms

Below is generated by plot.py at 2017-12-06 03:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.33 Mbit/s
95th percentile per-packet one-way delay: 16.843 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 247.82 Mbit/s
95th percentile per-packet one-way delay: 27.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.03 Mbit/s
95th percentile per-packet one-way delay: 14.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 170.07 Mbit/s
95th percentile per-packet one-way delay: 4.399 ms
Loss rate: 0.19%

Run 1: Report of Verus — Data Link

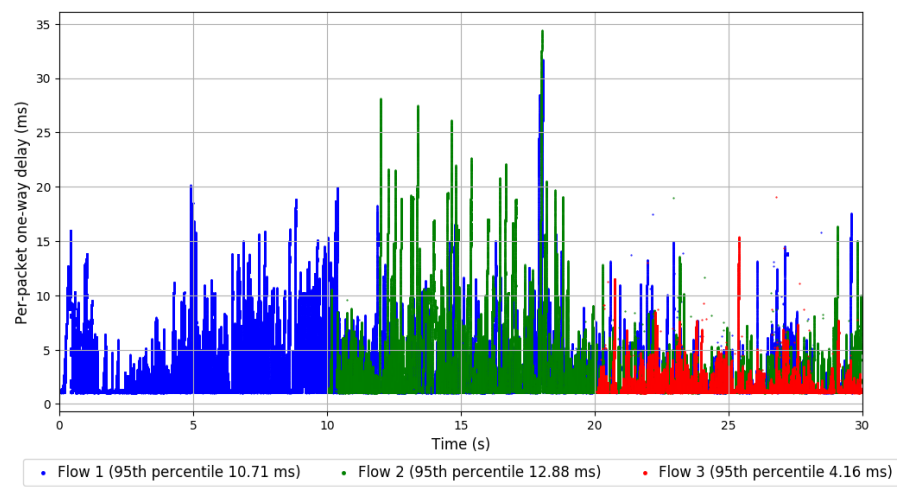
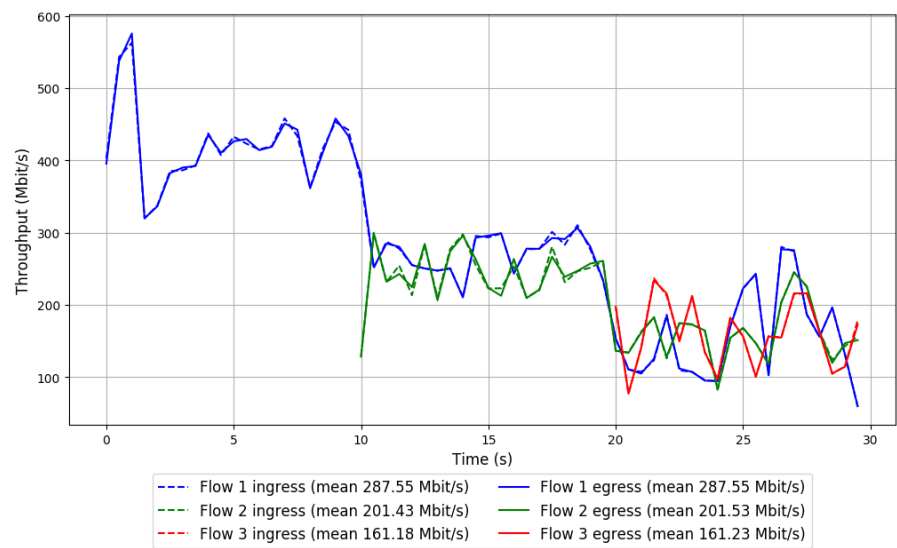


Run 2: Statistics of Verus

Start at: 2017-12-05 19:30:54
End at: 2017-12-05 19:31:24
Local clock offset: 1.461 ms
Remote clock offset: -1.826 ms

Below is generated by plot.py at 2017-12-06 03:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 471.97 Mbit/s
95th percentile per-packet one-way delay: 10.644 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 287.55 Mbit/s
95th percentile per-packet one-way delay: 10.711 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 201.53 Mbit/s
95th percentile per-packet one-way delay: 12.881 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 161.23 Mbit/s
95th percentile per-packet one-way delay: 4.159 ms
Loss rate: 0.20%

Run 2: Report of Verus — Data Link

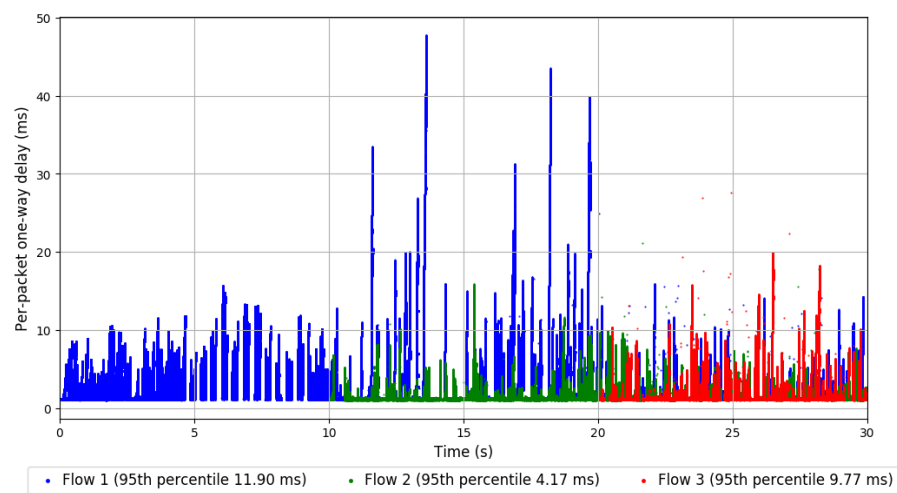
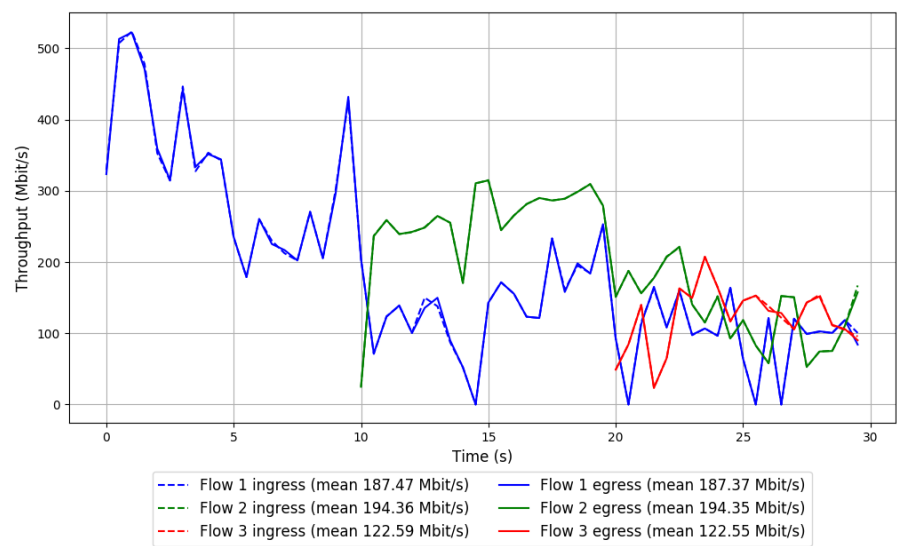


Run 3: Statistics of Verus

Start at: 2017-12-05 19:51:31
End at: 2017-12-05 19:52:01
Local clock offset: 1.422 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2017-12-06 03:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.23 Mbit/s
95th percentile per-packet one-way delay: 10.011 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 187.37 Mbit/s
95th percentile per-packet one-way delay: 11.905 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 194.35 Mbit/s
95th percentile per-packet one-way delay: 4.169 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 122.55 Mbit/s
95th percentile per-packet one-way delay: 9.774 ms
Loss rate: 0.25%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-12-05 20:12:07

End at: 2017-12-05 20:12:37

Local clock offset: 1.483 ms

Remote clock offset: -0.93 ms

Below is generated by plot.py at 2017-12-06 03:18:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.28 Mbit/s

95th percentile per-packet one-way delay: 9.159 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 247.35 Mbit/s

95th percentile per-packet one-way delay: 8.910 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 178.40 Mbit/s

95th percentile per-packet one-way delay: 9.023 ms

Loss rate: 0.00%

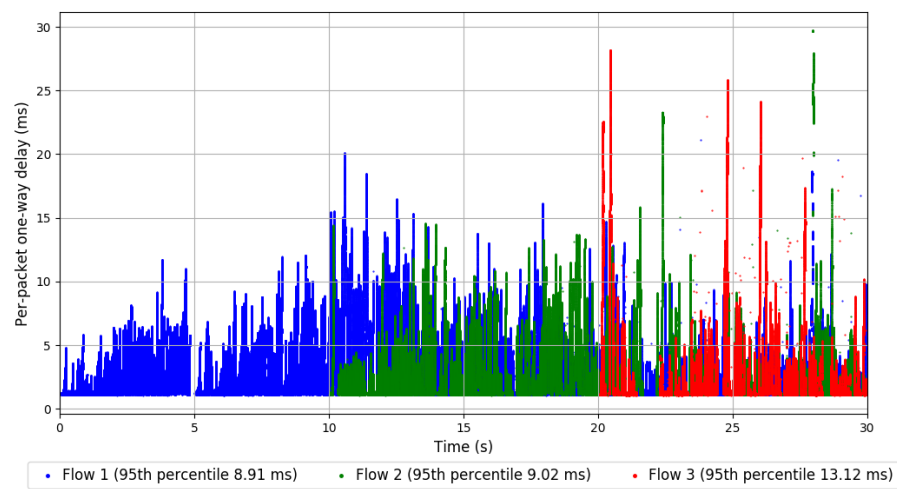
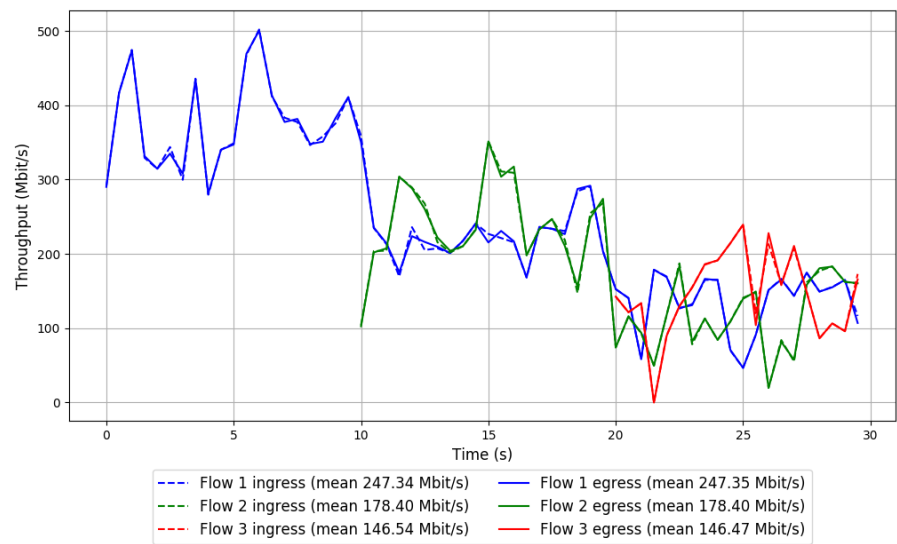
-- Flow 3:

Average throughput: 146.47 Mbit/s

95th percentile per-packet one-way delay: 13.120 ms

Loss rate: 0.25%

Run 4: Report of Verus — Data Link

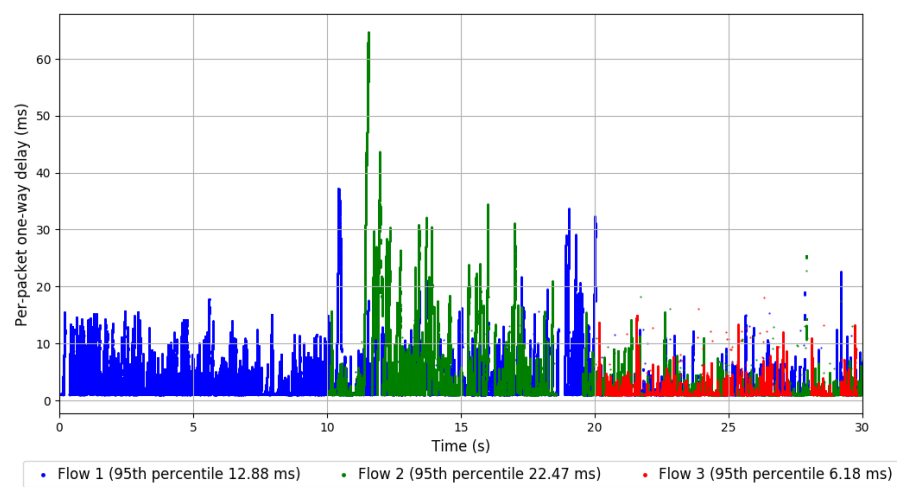
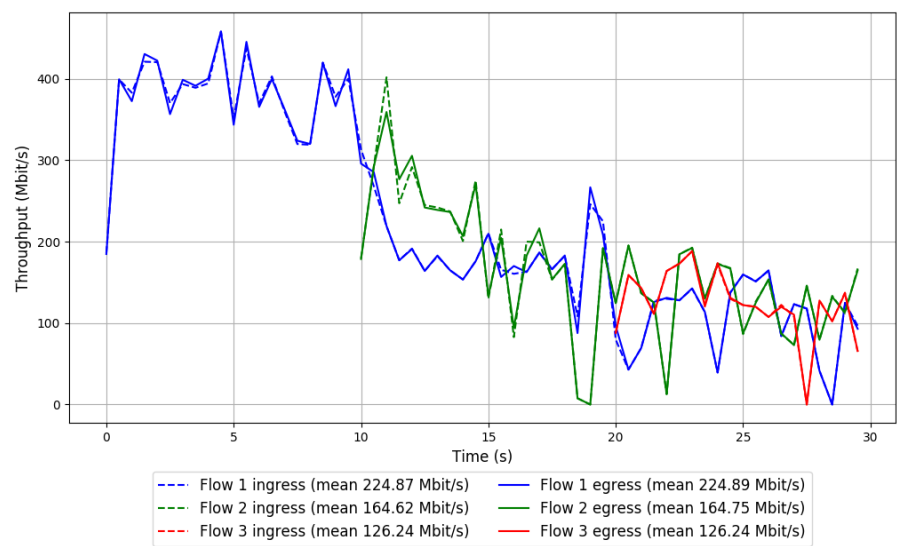


Run 5: Statistics of Verus

Start at: 2017-12-05 20:32:35
End at: 2017-12-05 20:33:05
Local clock offset: 1.472 ms
Remote clock offset: -1.042 ms

Below is generated by plot.py at 2017-12-06 03:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.72 Mbit/s
95th percentile per-packet one-way delay: 14.934 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 224.89 Mbit/s
95th percentile per-packet one-way delay: 12.883 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 164.75 Mbit/s
95th percentile per-packet one-way delay: 22.470 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 126.24 Mbit/s
95th percentile per-packet one-way delay: 6.183 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

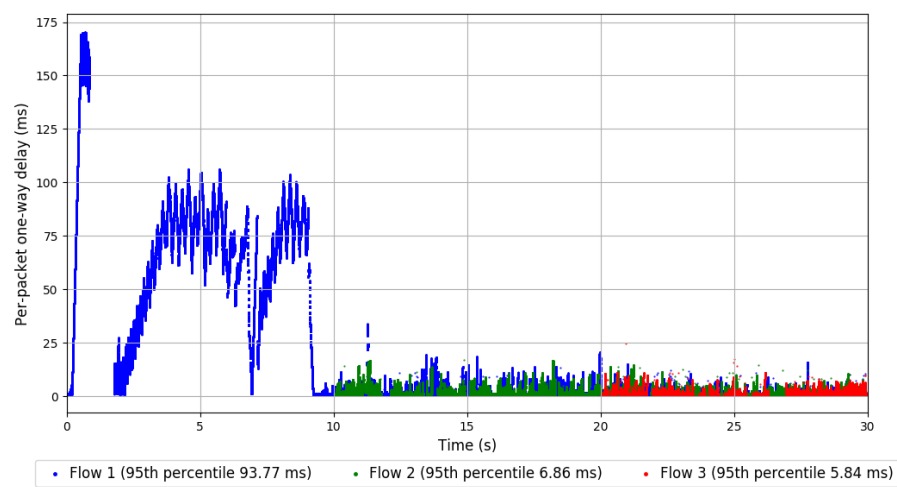
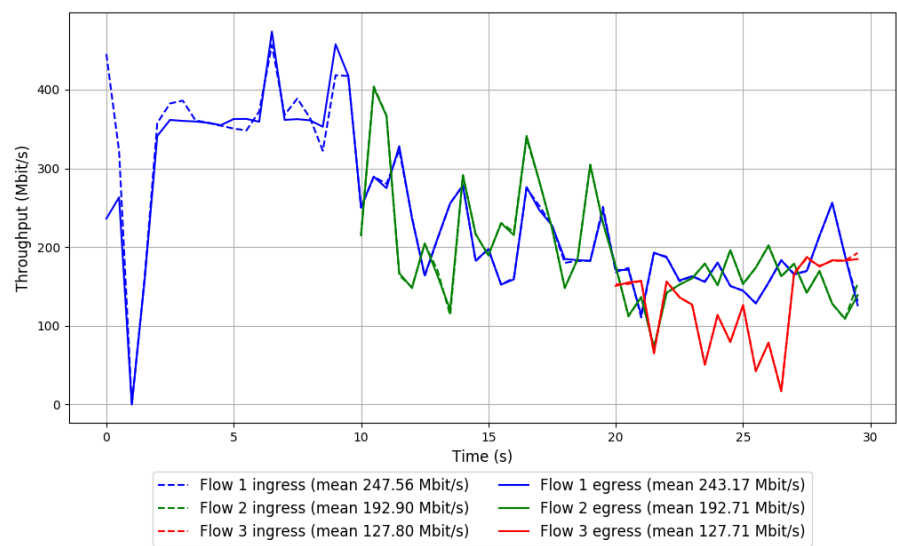


Run 6: Statistics of Verus

Start at: 2017-12-05 20:52:48
End at: 2017-12-05 20:53:18
Local clock offset: 1.217 ms
Remote clock offset: -1.046 ms

Below is generated by plot.py at 2017-12-06 03:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 413.71 Mbit/s
95th percentile per-packet one-way delay: 86.909 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 243.17 Mbit/s
95th percentile per-packet one-way delay: 93.772 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 192.71 Mbit/s
95th percentile per-packet one-way delay: 6.858 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 127.71 Mbit/s
95th percentile per-packet one-way delay: 5.841 ms
Loss rate: 0.30%

Run 6: Report of Verus — Data Link

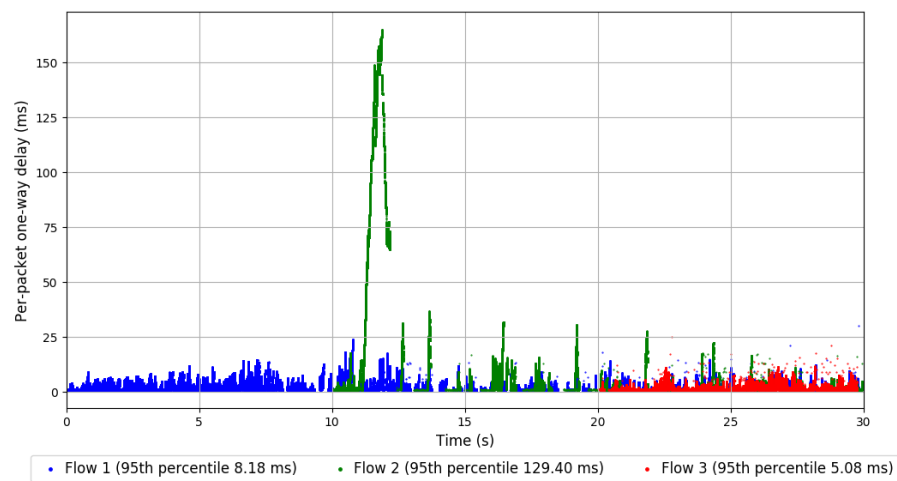
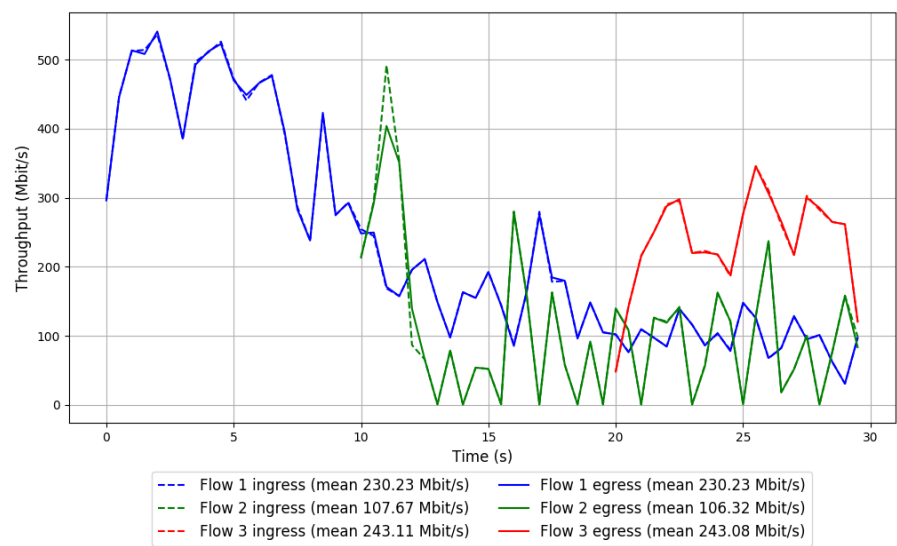


Run 7: Statistics of Verus

Start at: 2017-12-05 21:13:34
End at: 2017-12-05 21:14:04
Local clock offset: 1.334 ms
Remote clock offset: -0.947 ms

Below is generated by plot.py at 2017-12-06 03:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.54 Mbit/s
95th percentile per-packet one-way delay: 13.066 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 230.23 Mbit/s
95th percentile per-packet one-way delay: 8.175 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 106.32 Mbit/s
95th percentile per-packet one-way delay: 129.401 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 243.08 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

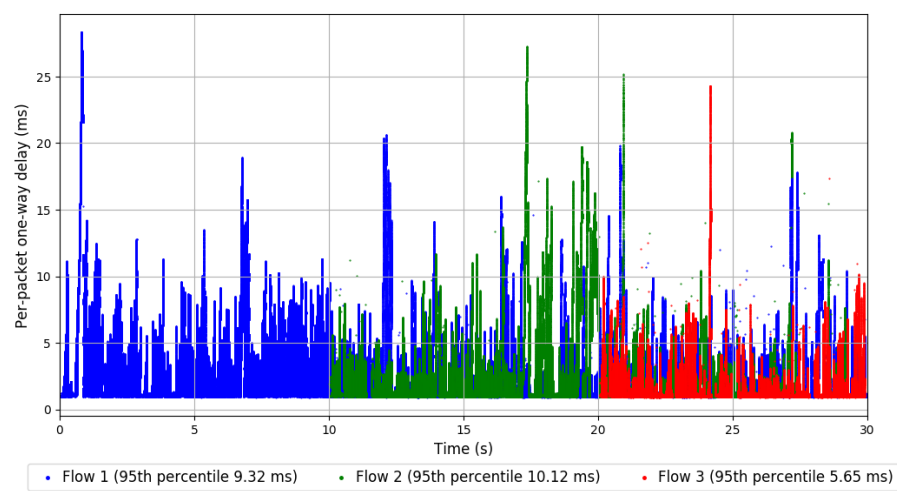
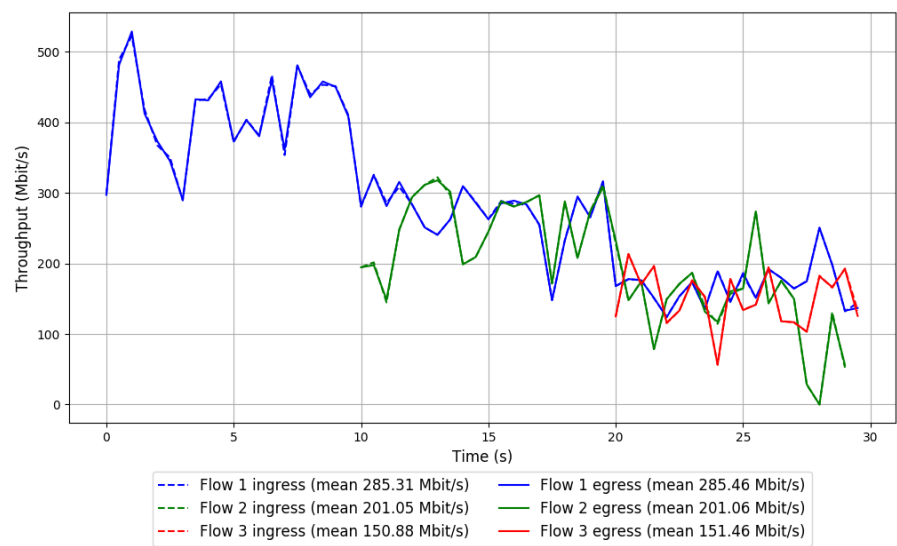


Run 8: Statistics of Verus

Start at: 2017-12-05 21:34:16
End at: 2017-12-05 21:34:46
Local clock offset: 1.324 ms
Remote clock offset: -1.069 ms

Below is generated by plot.py at 2017-12-06 03:24:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 464.61 Mbit/s
95th percentile per-packet one-way delay: 9.176 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 285.46 Mbit/s
95th percentile per-packet one-way delay: 9.323 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 201.06 Mbit/s
95th percentile per-packet one-way delay: 10.119 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.46 Mbit/s
95th percentile per-packet one-way delay: 5.652 ms
Loss rate: 0.27%

Run 8: Report of Verus — Data Link

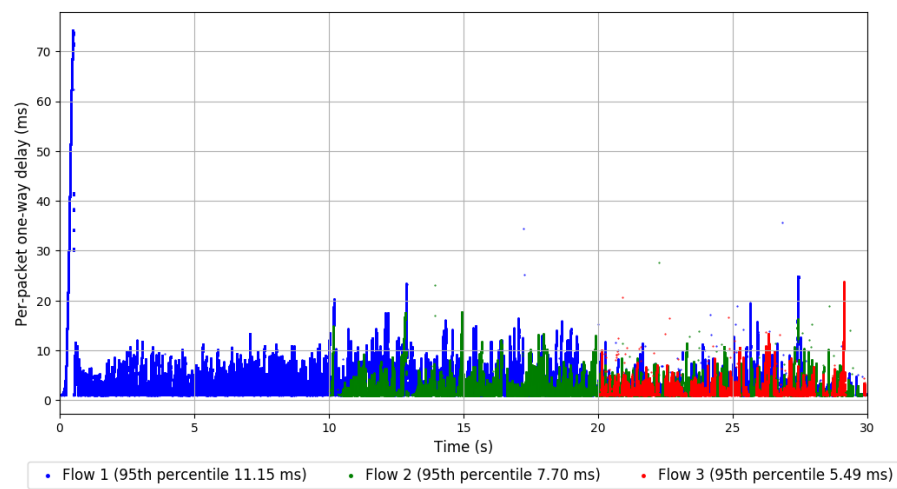
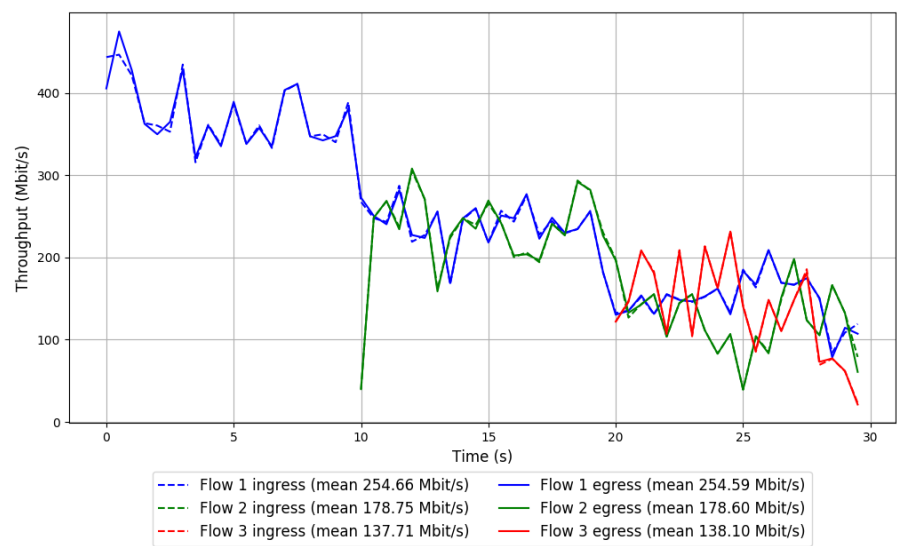


Run 9: Statistics of Verus

Start at: 2017-12-05 21:55:00
End at: 2017-12-05 21:55:30
Local clock offset: 1.253 ms
Remote clock offset: -1.111 ms

Below is generated by plot.py at 2017-12-06 03:24:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 419.10 Mbit/s
95th percentile per-packet one-way delay: 10.008 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 254.59 Mbit/s
95th percentile per-packet one-way delay: 11.153 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 178.60 Mbit/s
95th percentile per-packet one-way delay: 7.701 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 138.10 Mbit/s
95th percentile per-packet one-way delay: 5.489 ms
Loss rate: 0.07%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-12-05 22:15:17

End at: 2017-12-05 22:15:47

Local clock offset: 1.162 ms

Remote clock offset: -1.11 ms

Below is generated by plot.py at 2017-12-06 03:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 428.97 Mbit/s

95th percentile per-packet one-way delay: 28.533 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 262.08 Mbit/s

95th percentile per-packet one-way delay: 39.594 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 182.30 Mbit/s

95th percentile per-packet one-way delay: 4.859 ms

Loss rate: 0.05%

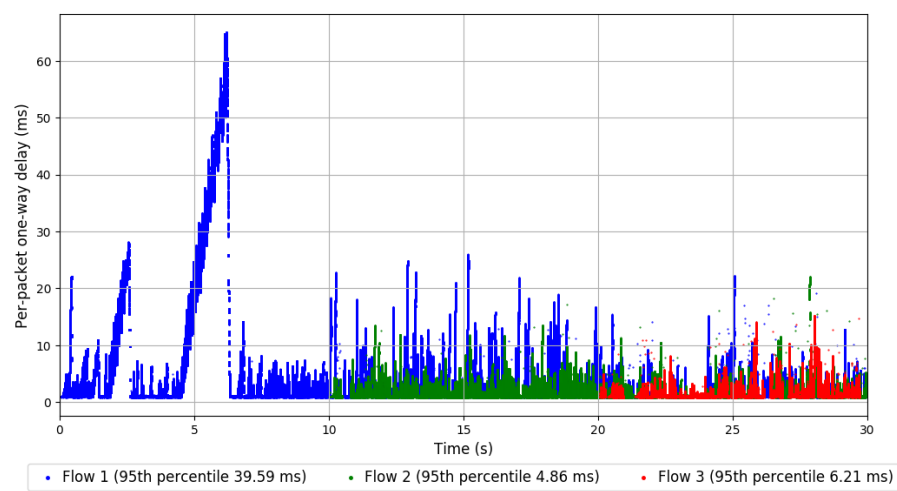
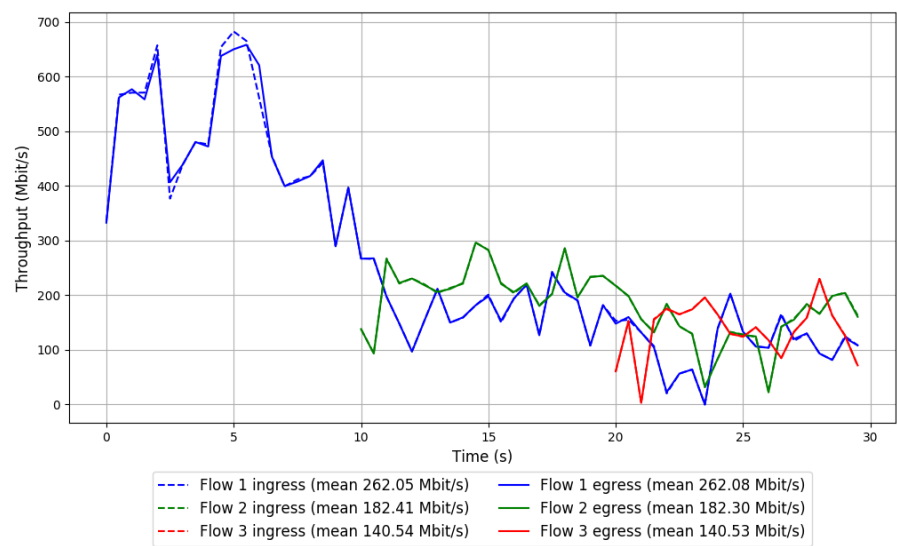
-- Flow 3:

Average throughput: 140.53 Mbit/s

95th percentile per-packet one-way delay: 6.214 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link

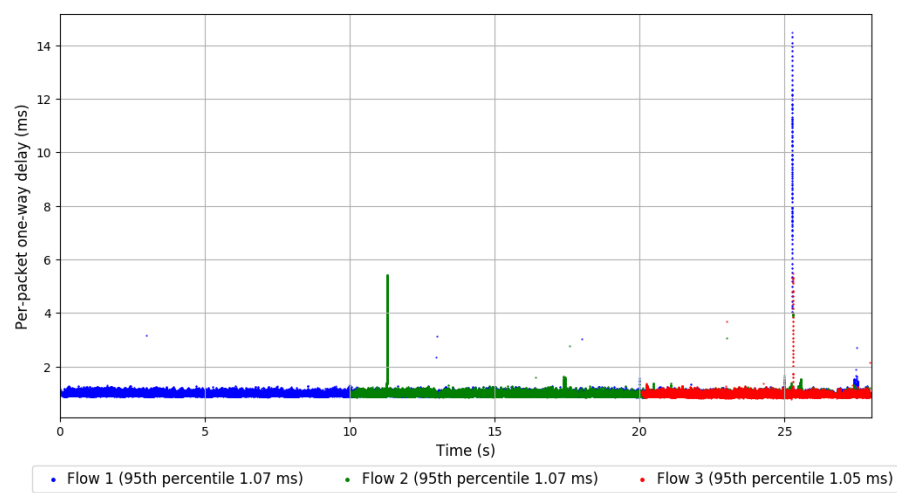
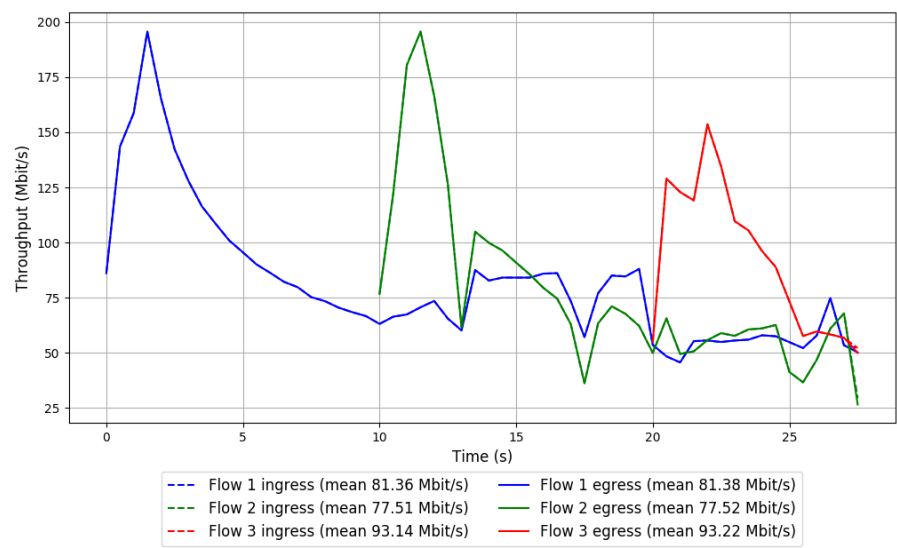


Run 1: Statistics of Copa

Start at: 2017-12-05 18:55:34
End at: 2017-12-05 18:56:04
Local clock offset: 1.265 ms
Remote clock offset: -2.424 ms

Below is generated by plot.py at 2017-12-06 03:24:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.44 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 81.38 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.15%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-12-05 19:16:18

End at: 2017-12-05 19:16:48

Local clock offset: 1.393 ms

Remote clock offset: -2.07 ms

Below is generated by plot.py at 2017-12-06 03:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 154.46 Mbit/s

95th percentile per-packet one-way delay: 1.166 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 82.89 Mbit/s

95th percentile per-packet one-way delay: 1.164 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 80.09 Mbit/s

95th percentile per-packet one-way delay: 1.169 ms

Loss rate: 0.11%

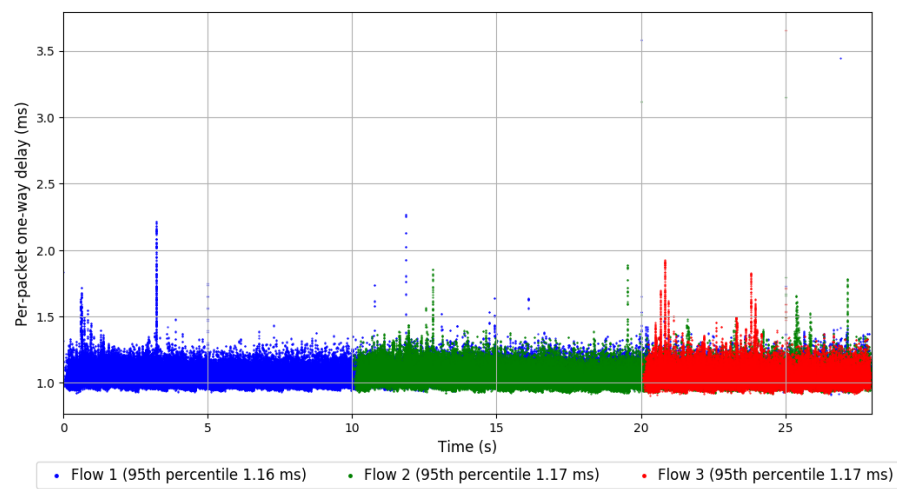
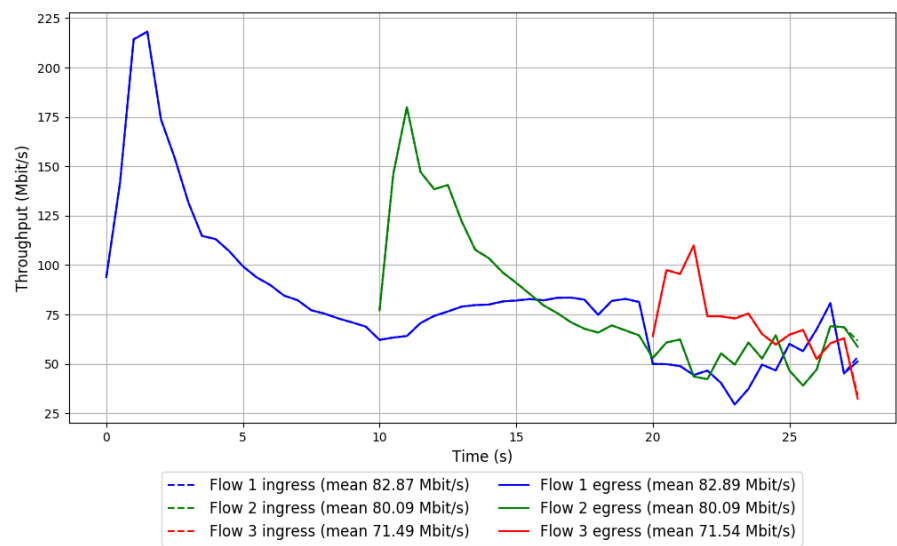
-- Flow 3:

Average throughput: 71.54 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.17%

Run 2: Report of Copa — Data Link

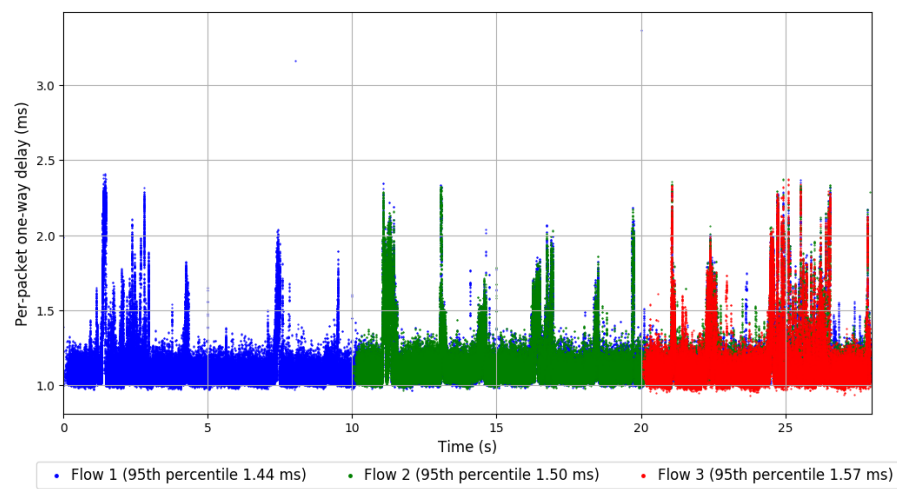
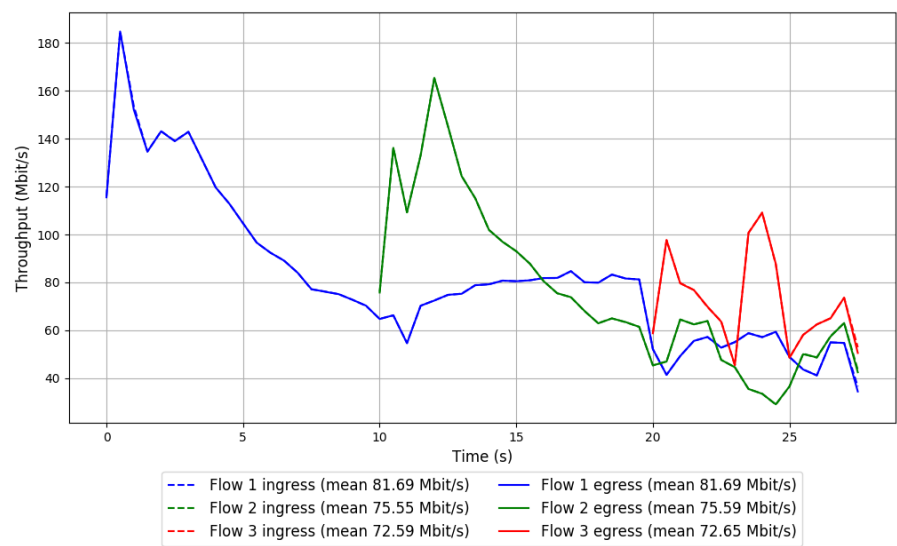


Run 3: Statistics of Copa

Start at: 2017-12-05 19:37:04
End at: 2017-12-05 19:37:34
Local clock offset: 1.367 ms
Remote clock offset: -1.634 ms

Below is generated by plot.py at 2017-12-06 03:24:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.67 Mbit/s
95th percentile per-packet one-way delay: 1.481 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 81.69 Mbit/s
95th percentile per-packet one-way delay: 1.443 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 75.59 Mbit/s
95th percentile per-packet one-way delay: 1.501 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 72.65 Mbit/s
95th percentile per-packet one-way delay: 1.574 ms
Loss rate: 0.23%

Run 3: Report of Copa — Data Link

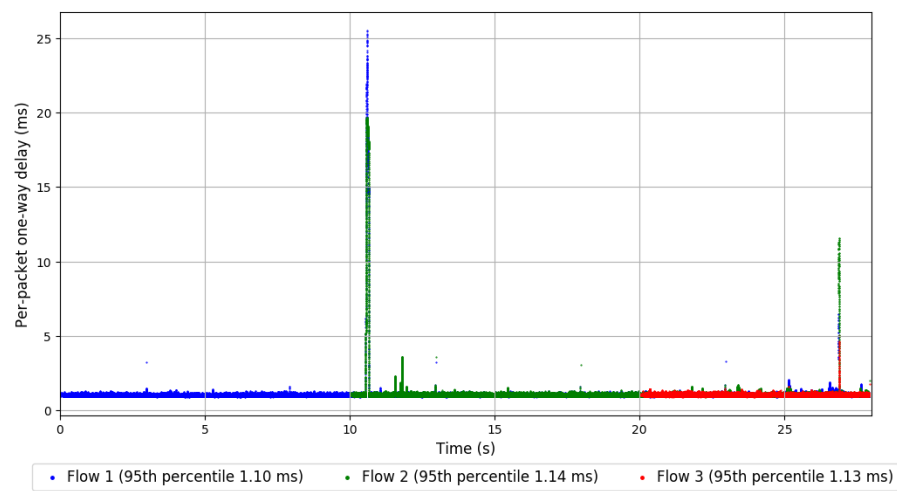
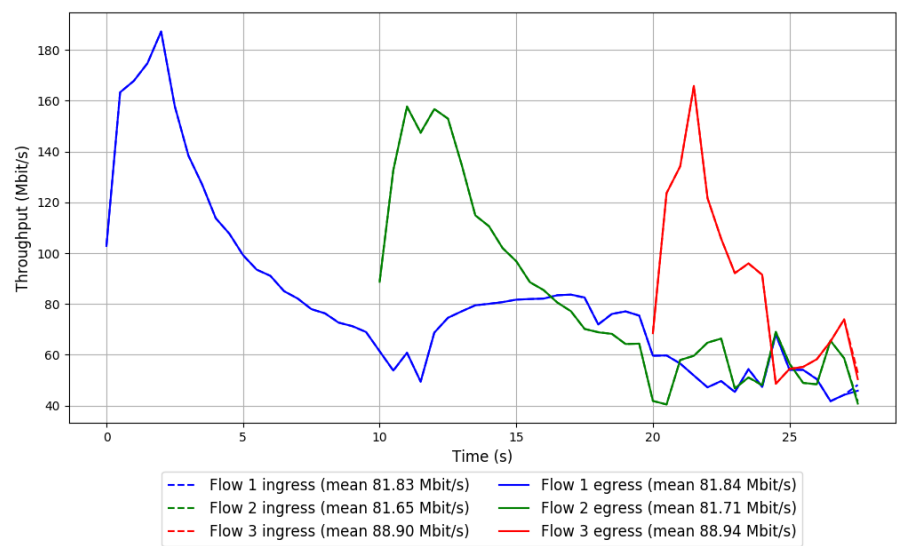


Run 4: Statistics of Copa

Start at: 2017-12-05 19:57:33
End at: 2017-12-05 19:58:03
Local clock offset: 1.375 ms
Remote clock offset: -1.275 ms

Below is generated by plot.py at 2017-12-06 03:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.42 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 81.84 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 81.71 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.19%

Run 4: Report of Copa — Data Link

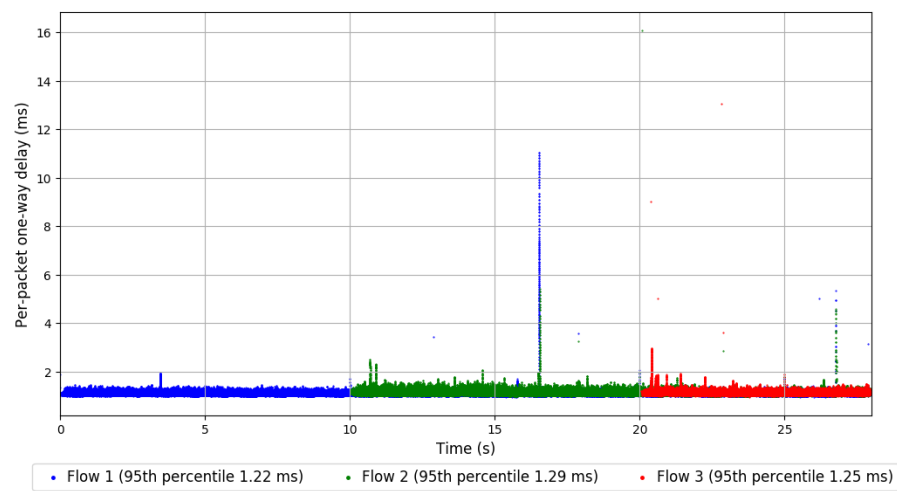
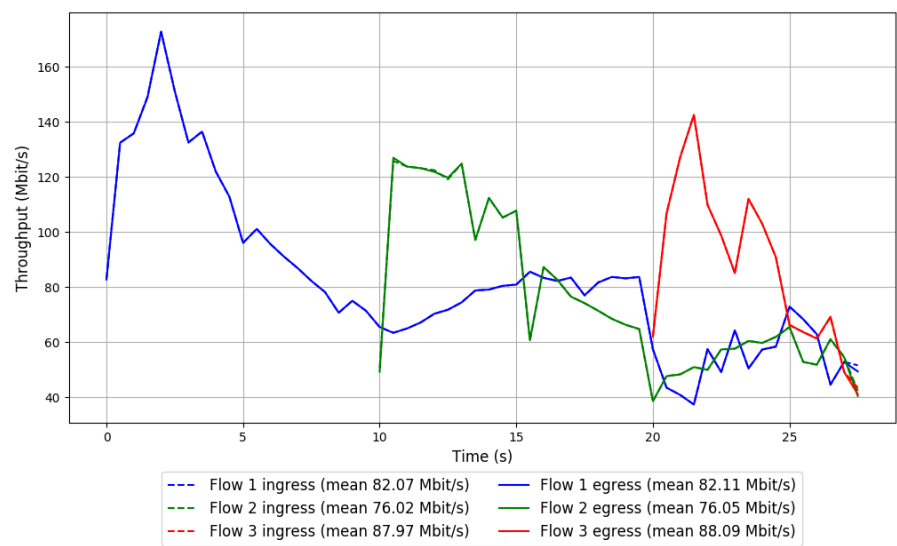


Run 5: Statistics of Copa

Start at: 2017-12-05 20:18:11
End at: 2017-12-05 20:18:41
Local clock offset: 1.465 ms
Remote clock offset: -0.939 ms

Below is generated by plot.py at 2017-12-06 03:26:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.76 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 76.05 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.17%

Run 5: Report of Copa — Data Link

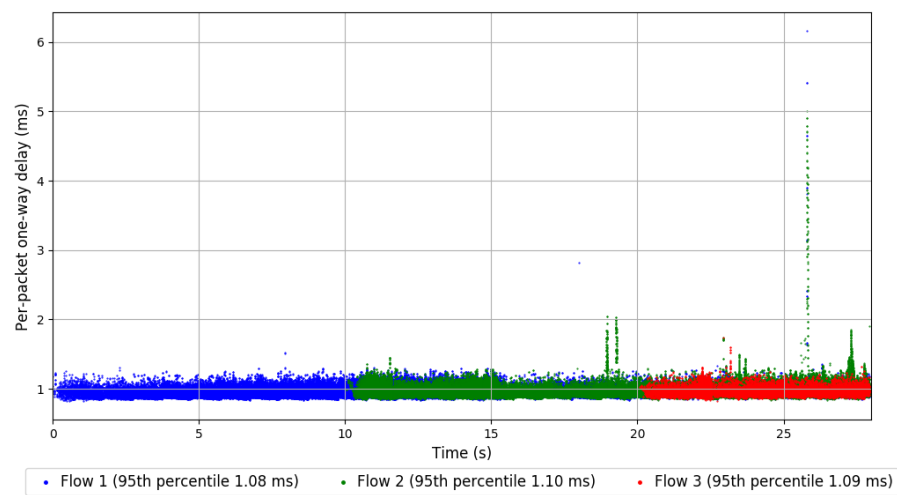
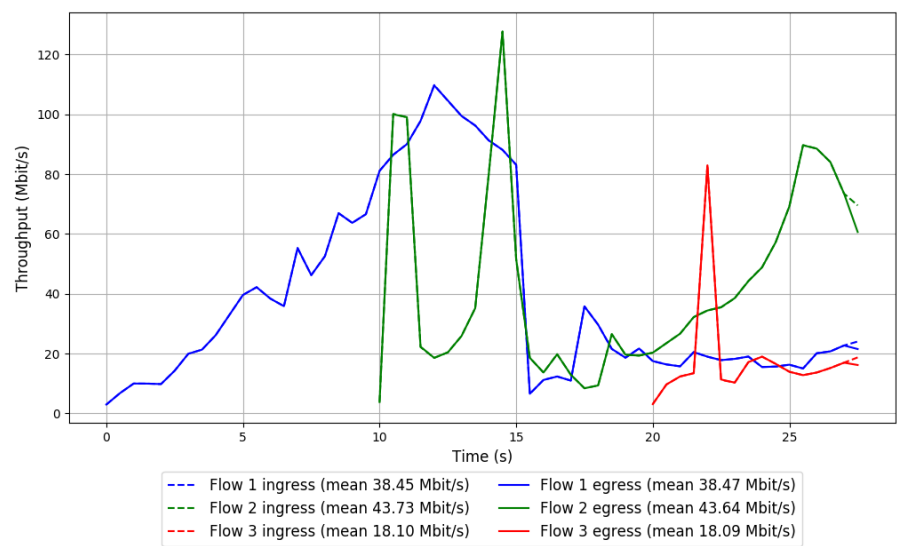


Run 6: Statistics of Copa

Start at: 2017-12-05 20:38:36
End at: 2017-12-05 20:39:06
Local clock offset: 1.316 ms
Remote clock offset: -1.065 ms

Below is generated by plot.py at 2017-12-06 03:26:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.49 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 38.47 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 43.64 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 1.093 ms
Loss rate: 0.89%

Run 6: Report of Copa — Data Link

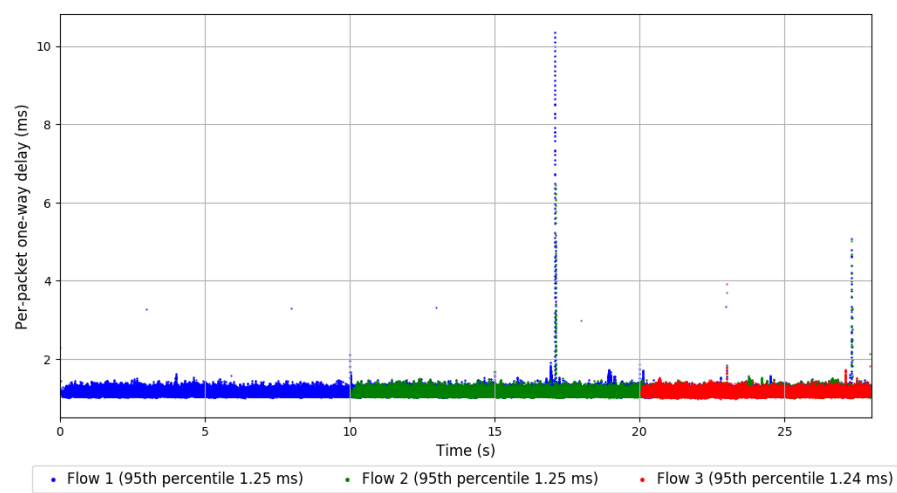
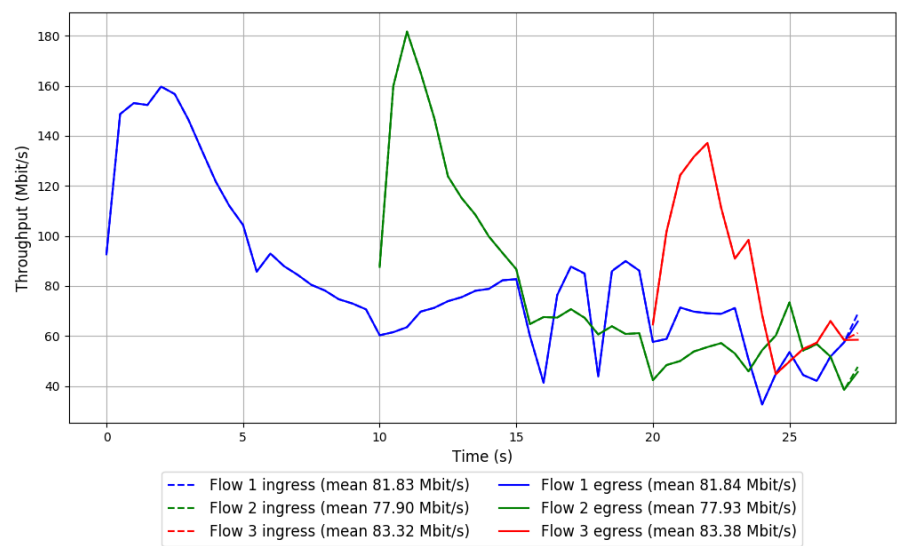


Run 7: Statistics of Copa

Start at: 2017-12-05 20:58:51
End at: 2017-12-05 20:59:21
Local clock offset: 1.303 ms
Remote clock offset: -1.119 ms

Below is generated by plot.py at 2017-12-06 03:26:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.41 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 81.84 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.22%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-12-05 21:19:35

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

Local clock offset: 1.339 ms

Remote clock offset: -0.87 ms

Below is generated by plot.py at 2017-12-06 03:26:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.74 Mbit/s

95th percentile per-packet one-way delay: 1.158 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 87.13 Mbit/s

95th percentile per-packet one-way delay: 1.157 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 1.160 ms

Loss rate: 0.09%

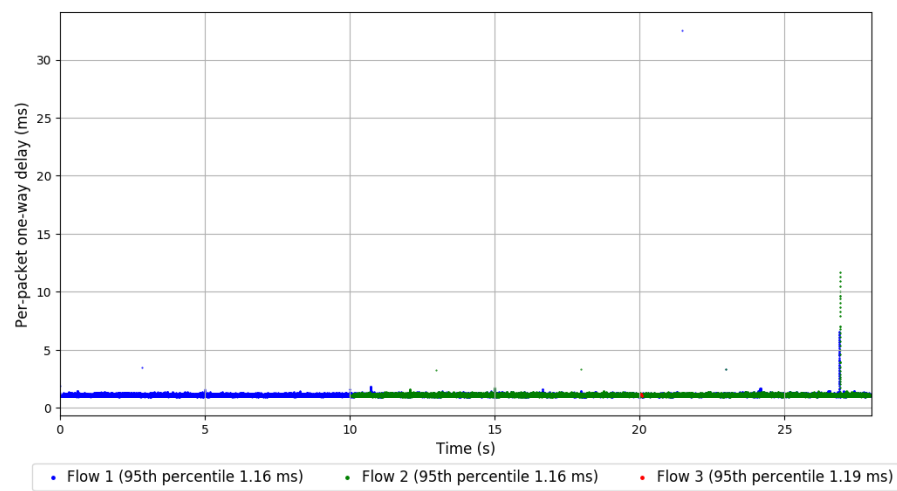
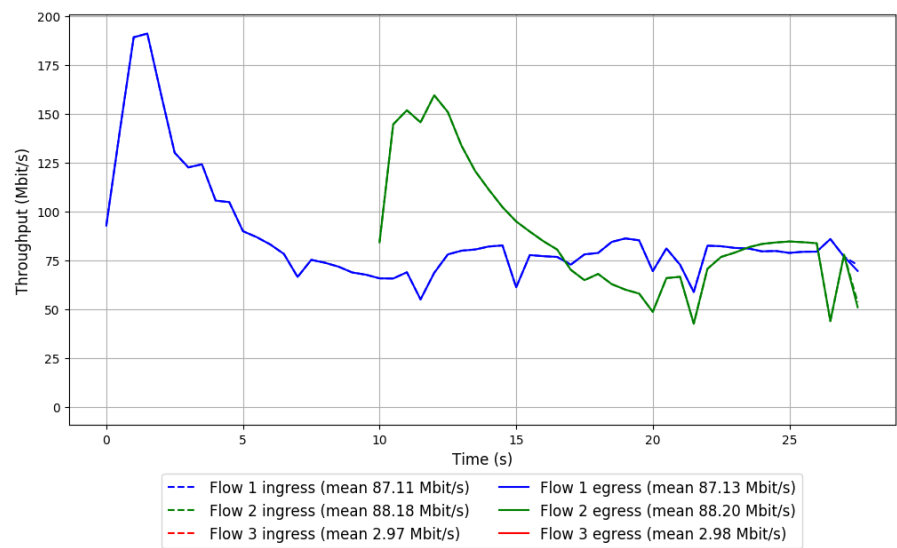
-- Flow 3:

Average throughput: 2.98 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

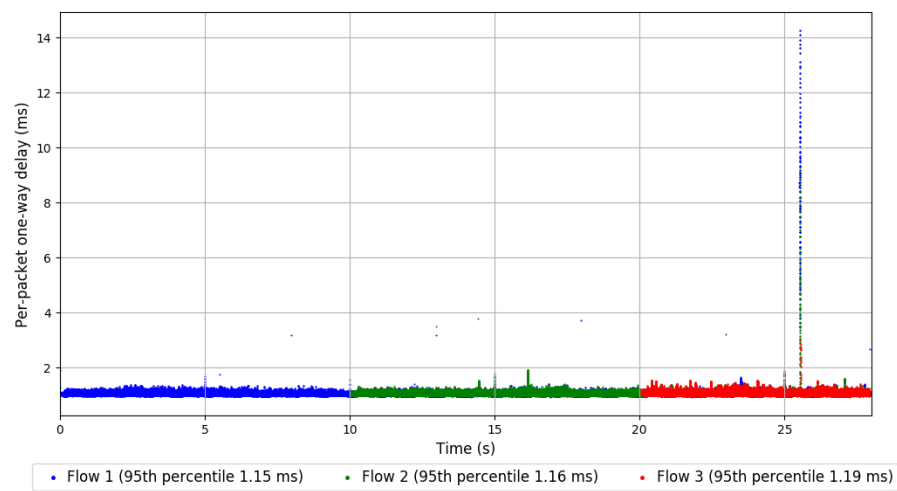
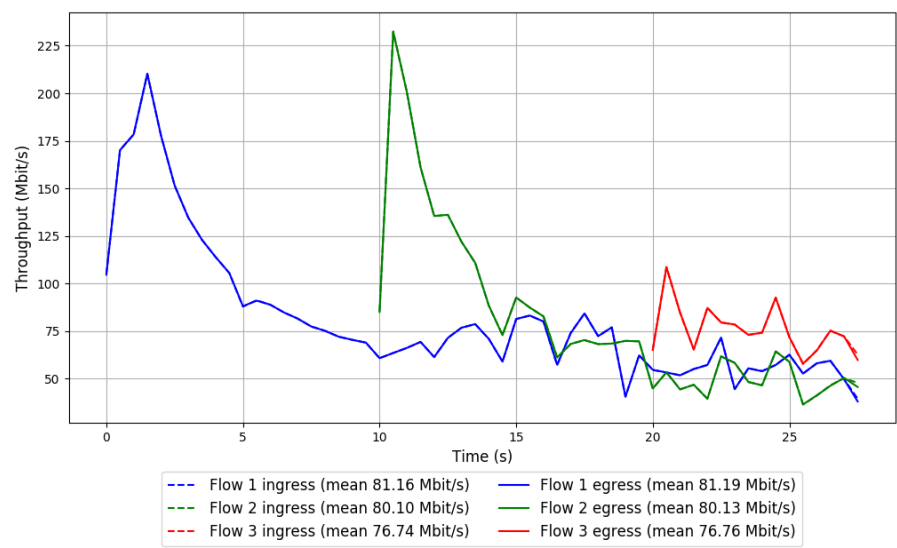


Run 9: Statistics of Copa

Start at: 2017-12-05 21:40:21
End at: 2017-12-05 21:40:51
Local clock offset: 1.412 ms
Remote clock offset: -1.115 ms

Below is generated by plot.py at 2017-12-06 03:28:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.27 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 81.19 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 76.76 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.25%

Run 9: Report of Copa — Data Link

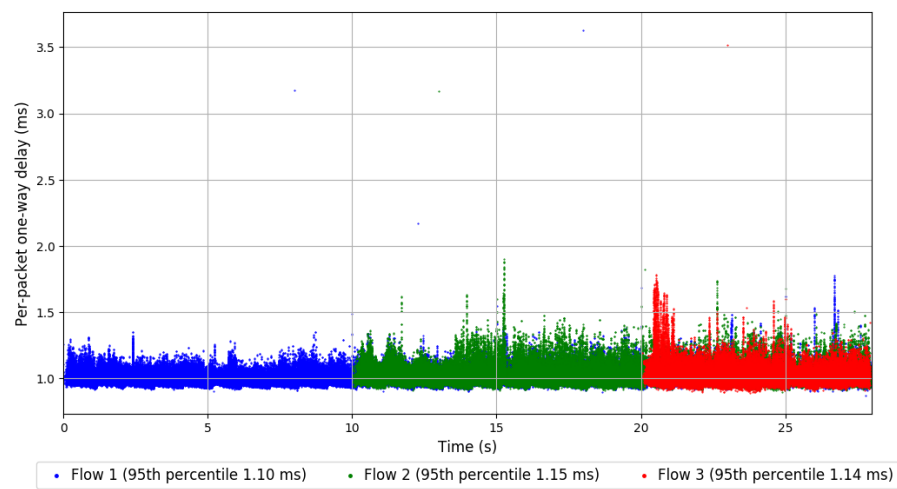
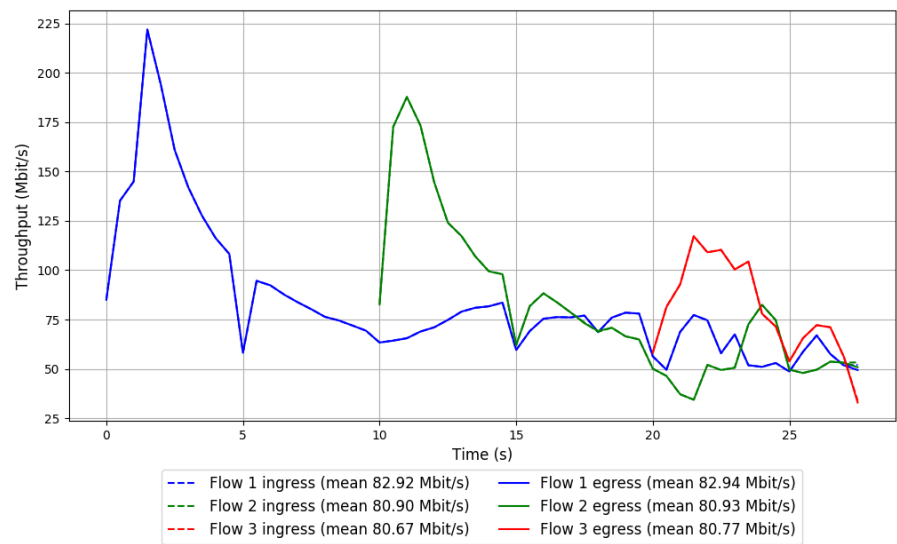


Run 10: Statistics of Copa

Start at: 2017-12-05 22:01:02
End at: 2017-12-05 22:01:32
Local clock offset: 1.222 ms
Remote clock offset: -1.157 ms

Below is generated by plot.py at 2017-12-06 03:28:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.65 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 80.77 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.08%

Run 10: Report of Copa — Data Link

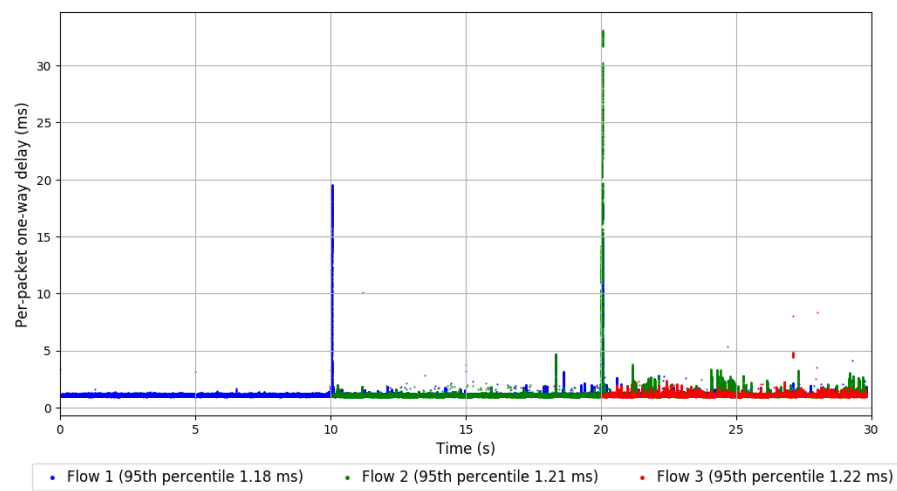
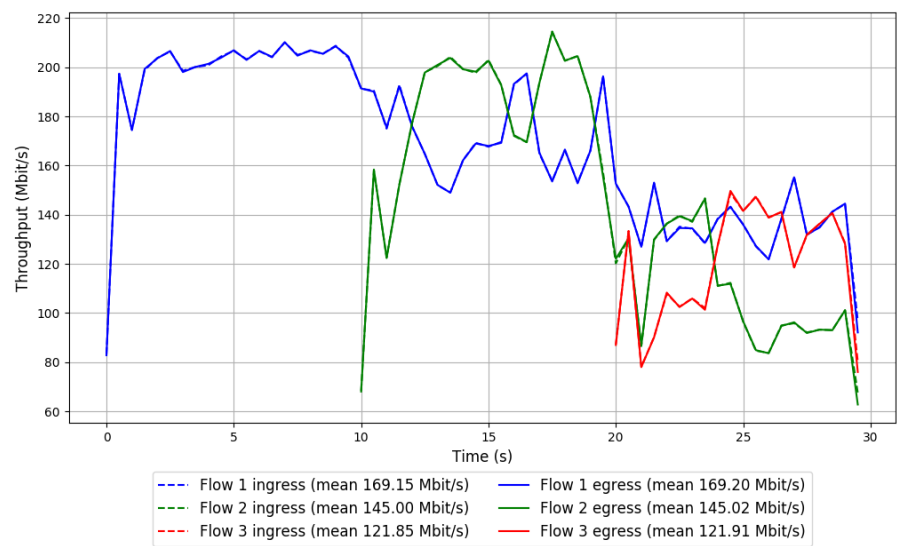


```
Run 1: Statistics of Indigo

Start at: 2017-12-05 19:11:47
End at: 2017-12-05 19:12:17
Local clock offset: 1.477 ms
Remote clock offset: -2.161 ms

# Below is generated by plot.py at 2017-12-06 03:28:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 305.17 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 169.20 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 145.02 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 121.91 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.19%
```


Run 1: Report of Indigo — Data Link

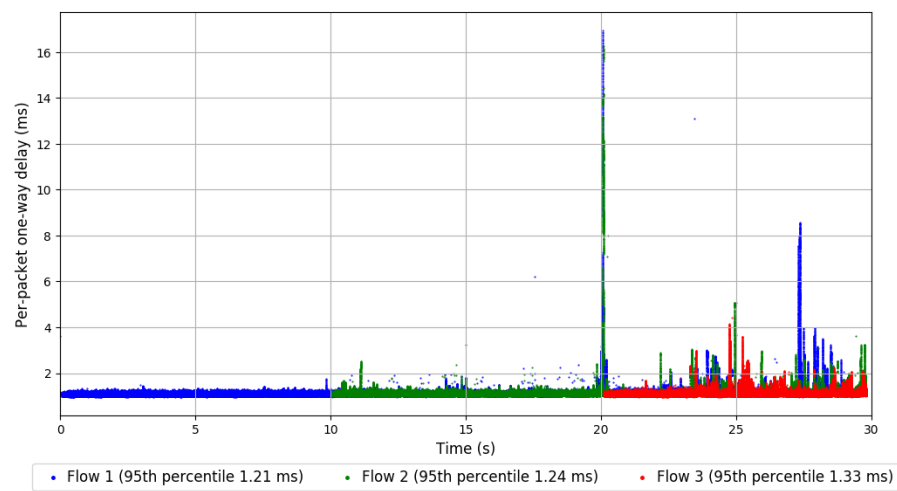
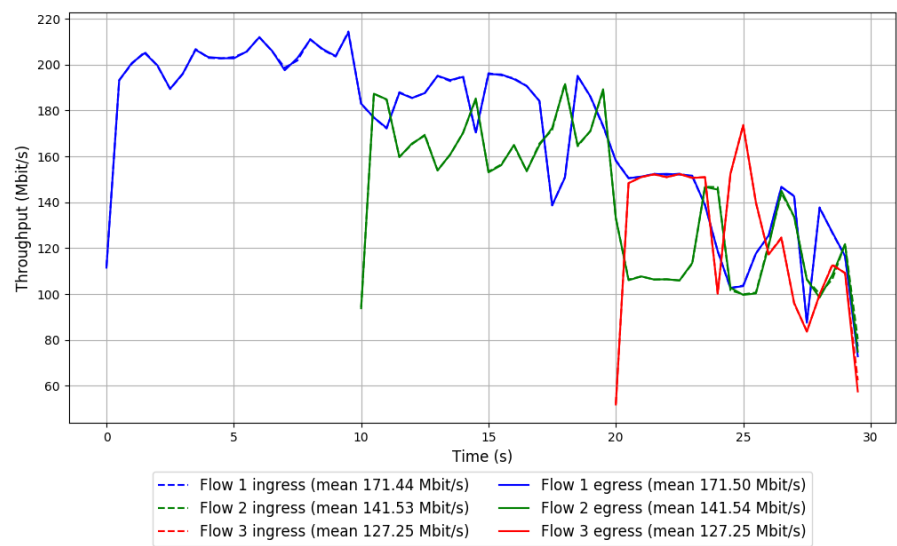


Run 2: Statistics of Indigo

Start at: 2017-12-05 19:32:31
End at: 2017-12-05 19:33:01
Local clock offset: 1.45 ms
Remote clock offset: -1.743 ms

Below is generated by plot.py at 2017-12-06 03:28:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.83 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 171.50 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 141.54 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 127.25 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.20%

Run 2: Report of Indigo — Data Link

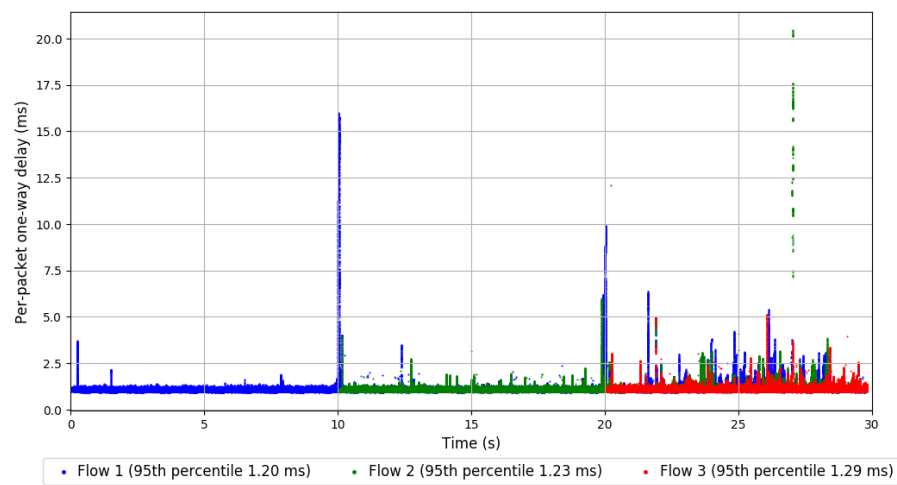
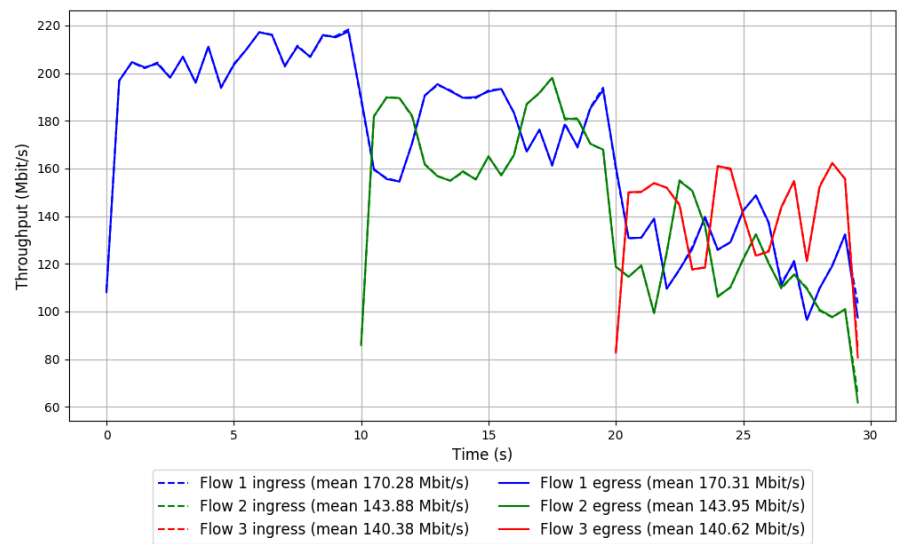


Run 3: Statistics of Indigo

Start at: 2017-12-05 19:53:02
End at: 2017-12-05 19:53:32
Local clock offset: 1.333 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2017-12-06 03:30:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.83 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 170.31 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 143.95 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 140.62 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.14%

Run 3: Report of Indigo — Data Link

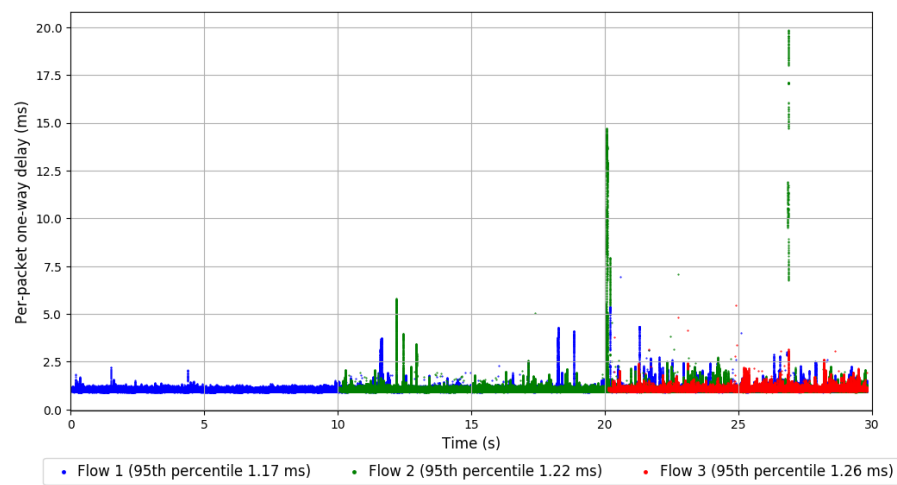
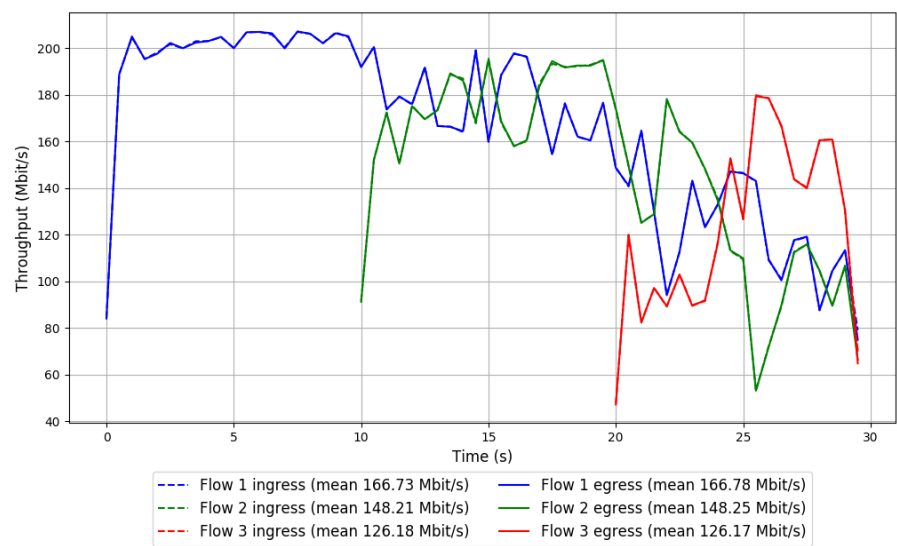


Run 4: Statistics of Indigo

Start at: 2017-12-05 20:13:41
End at: 2017-12-05 20:14:11
Local clock offset: 1.417 ms
Remote clock offset: -0.843 ms

Below is generated by plot.py at 2017-12-06 03:30:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.91 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 166.78 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 148.25 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 126.17 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.19%

Run 4: Report of Indigo — Data Link

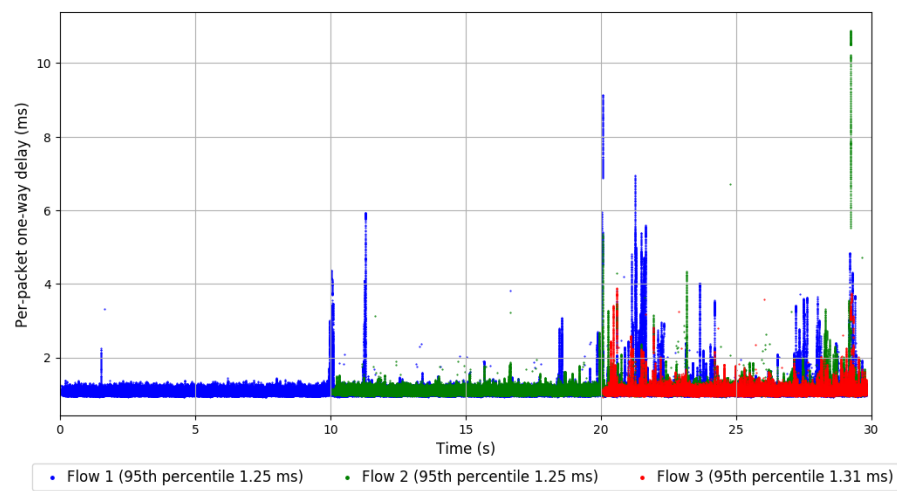
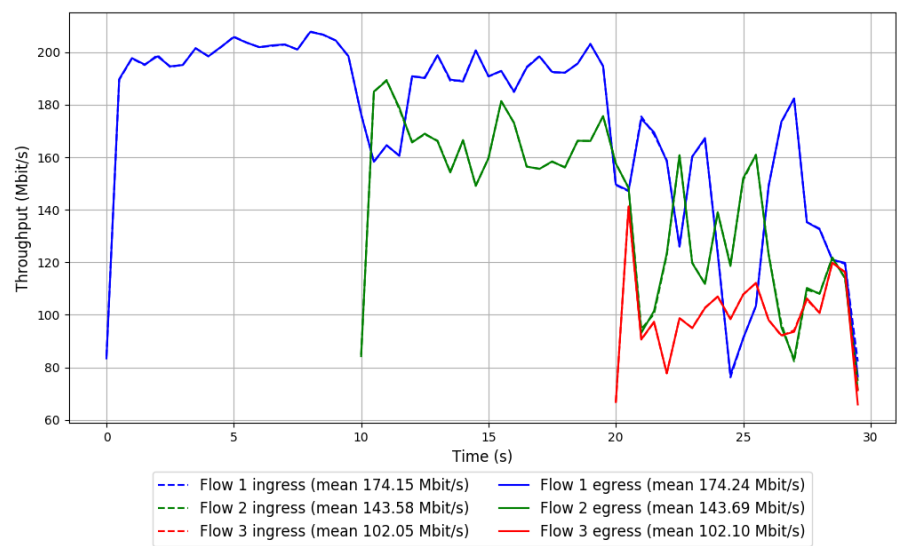


Run 5: Statistics of Indigo

Start at: 2017-12-05 20:34:07
End at: 2017-12-05 20:34:37
Local clock offset: 1.454 ms
Remote clock offset: -1.041 ms

Below is generated by plot.py at 2017-12-06 03:31:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.68 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 174.24 Mbit/s
95th percentile per-packet one-way delay: 1.250 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 143.69 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 102.10 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.26%

Run 5: Report of Indigo — Data Link

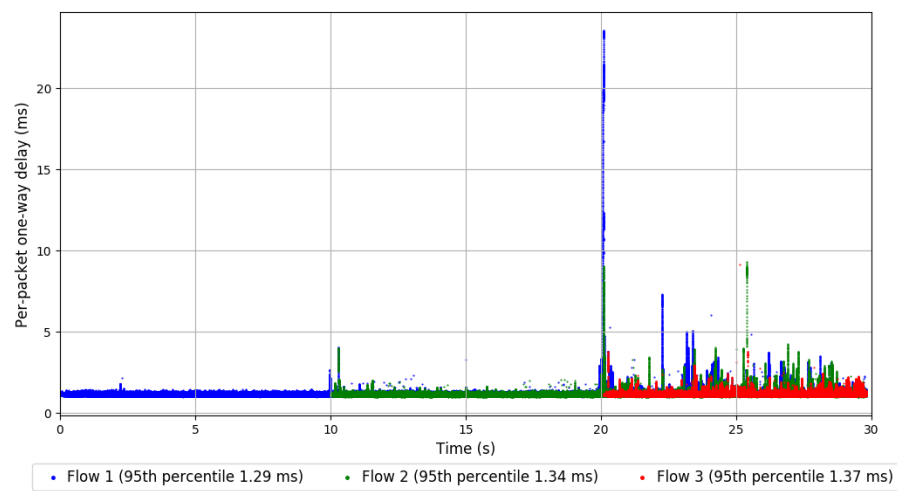
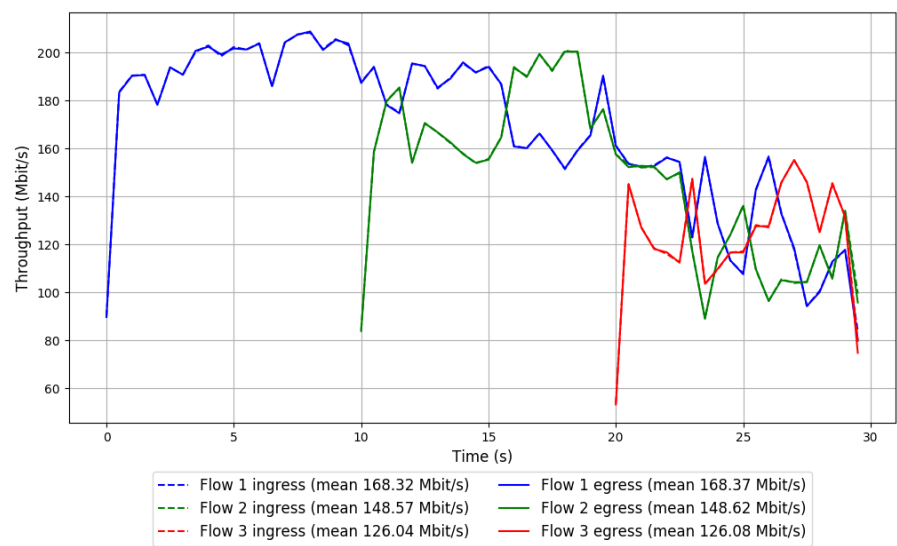


Run 6: Statistics of Indigo

Start at: 2017-12-05 20:54:21
End at: 2017-12-05 20:54:52
Local clock offset: 1.325 ms
Remote clock offset: -1.107 ms

Below is generated by plot.py at 2017-12-06 03:31:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.08 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 168.37 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 148.62 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 126.08 Mbit/s
95th percentile per-packet one-way delay: 1.366 ms
Loss rate: 0.19%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-12-05 21:15:06

End at: 2017-12-05 21:15:36

Local clock offset: 1.346 ms

Remote clock offset: -0.94 ms

Below is generated by plot.py at 2017-12-06 03:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 300.41 Mbit/s

95th percentile per-packet one-way delay: 1.235 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 167.54 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 155.42 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.10%

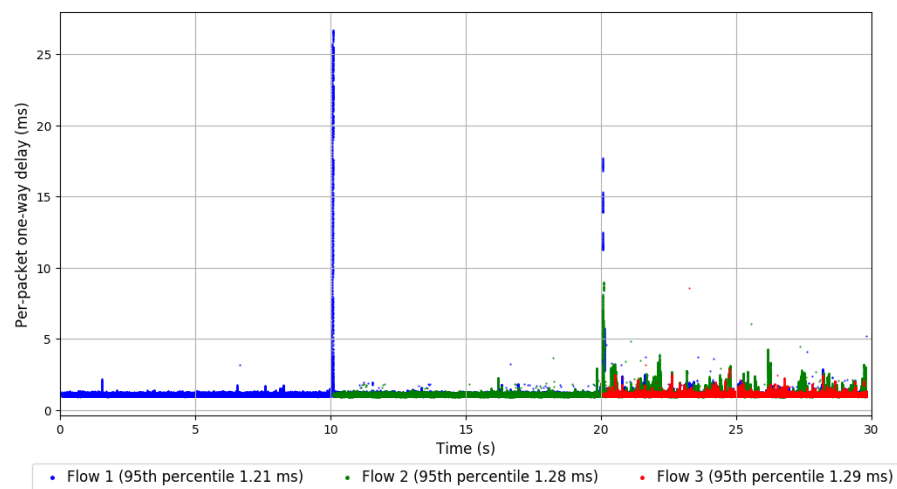
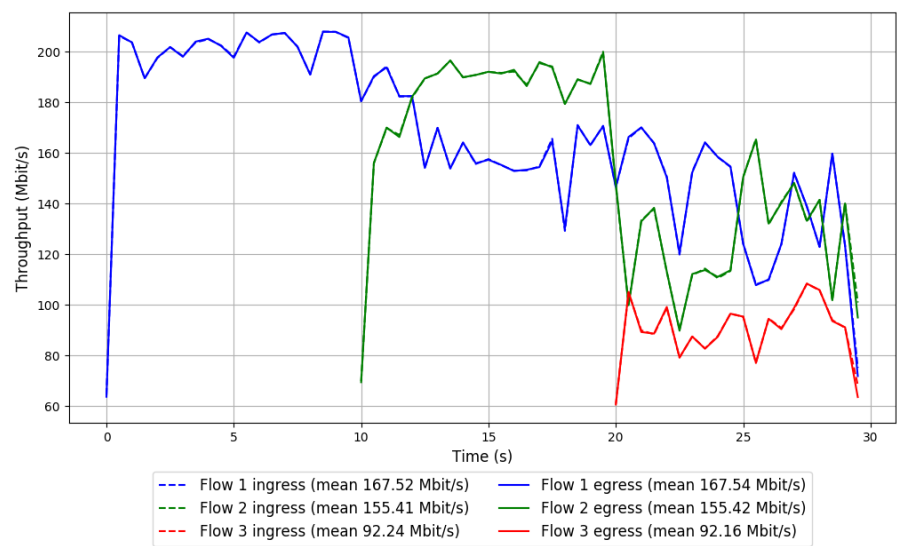
-- Flow 3:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.28%

Run 7: Report of Indigo — Data Link

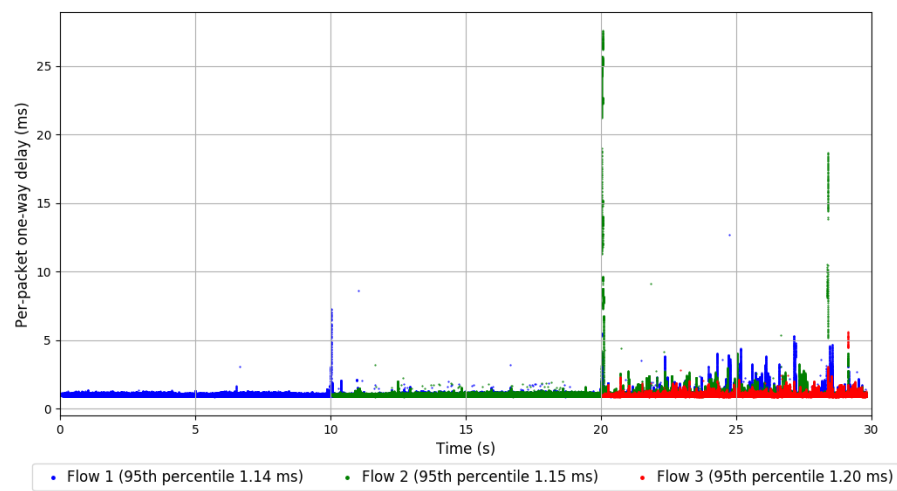
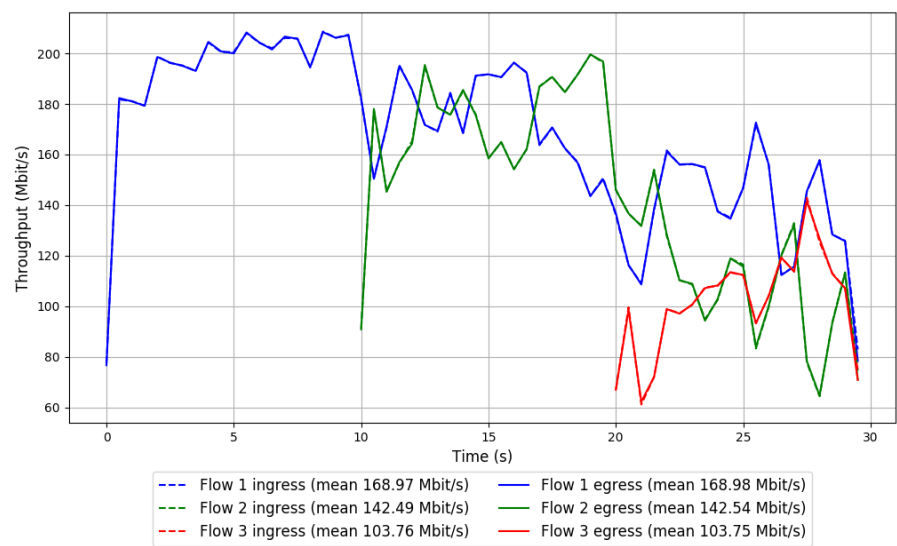


Run 8: Statistics of Indigo

Start at: 2017-12-05 21:35:53
End at: 2017-12-05 21:36:23
Local clock offset: 1.355 ms
Remote clock offset: -1.007 ms

Below is generated by plot.py at 2017-12-06 03:32:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.51 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 168.98 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 142.54 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 103.75 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.20%

Run 8: Report of Indigo — Data Link

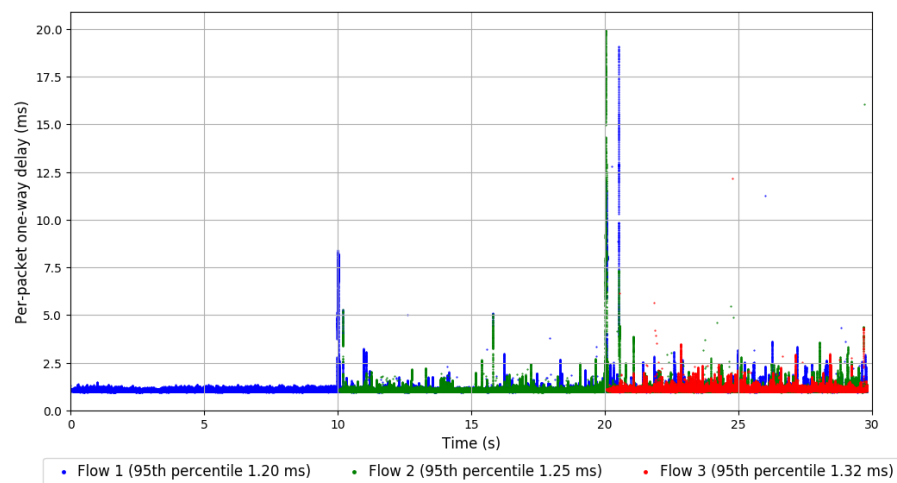
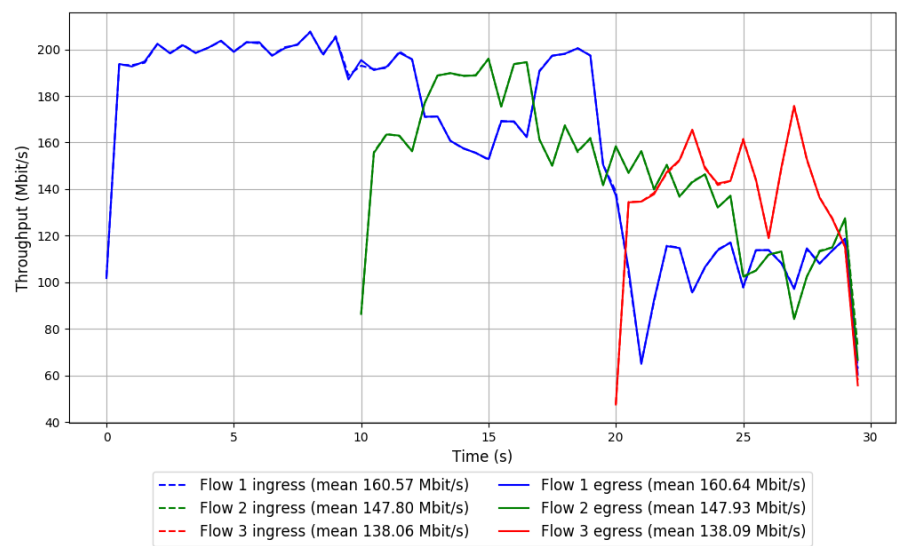


Run 9: Statistics of Indigo

Start at: 2017-12-05 21:56:34
End at: 2017-12-05 21:57:04
Local clock offset: 1.33 ms
Remote clock offset: -1.029 ms

Below is generated by plot.py at 2017-12-06 03:33:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.79 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 160.64 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 147.93 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 138.09 Mbit/s
95th percentile per-packet one-way delay: 1.321 ms
Loss rate: 0.09%

Run 9: Report of Indigo — Data Link

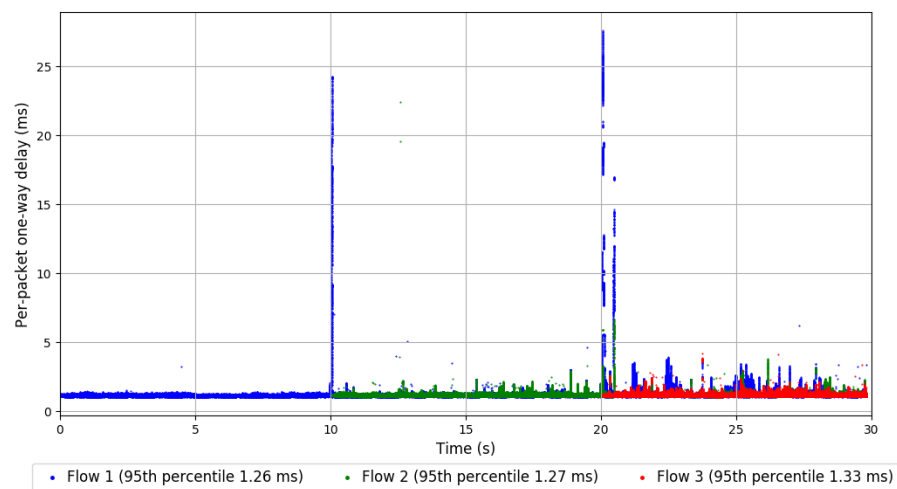
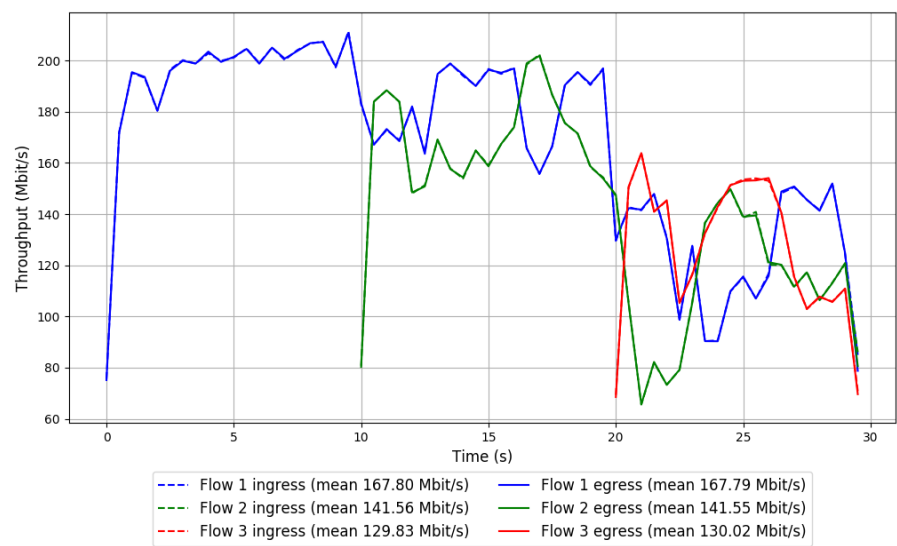


Run 10: Statistics of Indigo

Start at: 2017-12-05 22:16:51
End at: 2017-12-05 22:17:21
Local clock offset: 1.231 ms
Remote clock offset: -1.173 ms

Below is generated by plot.py at 2017-12-06 03:33:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.93 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 167.79 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 141.55 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 130.02 Mbit/s
95th percentile per-packet one-way delay: 1.333 ms
Loss rate: 0.05%

Run 10: Report of Indigo — Data Link

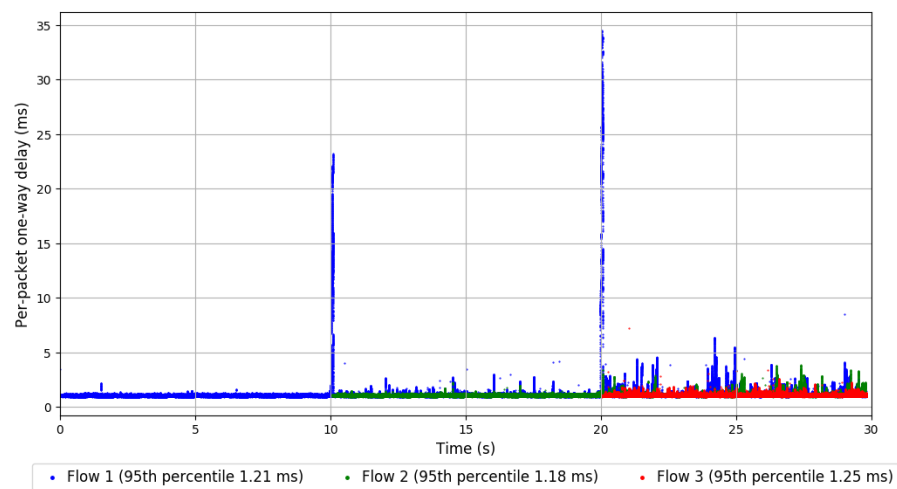
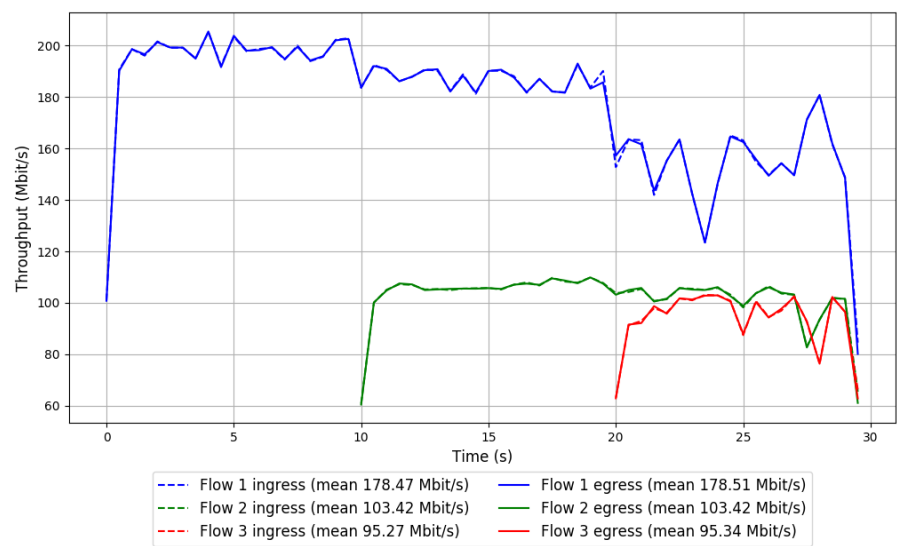


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-05 19:14:52
End at: 2017-12-05 19:15:22
Local clock offset: 1.392 ms
Remote clock offset: -2.085 ms

# Below is generated by plot.py at 2017-12-06 03:34:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 278.24 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 178.51 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 103.42 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.19%
```

Run 1: Report of Indigo-calib — Data Link

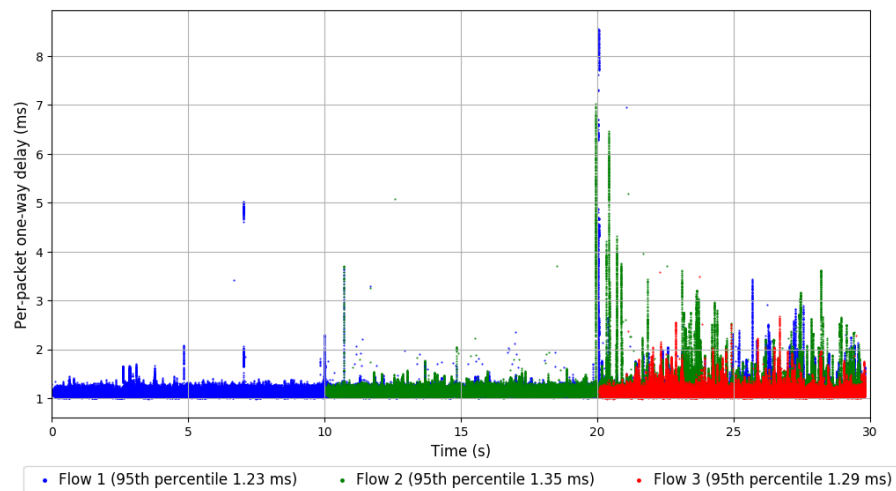
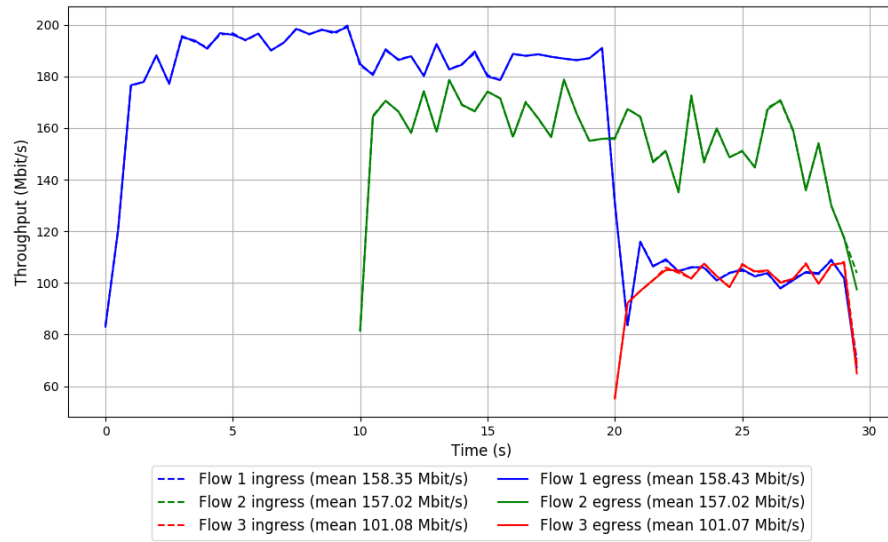


```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-05 19:35:36
End at: 2017-12-05 19:36:06
Local clock offset: 1.459 ms
Remote clock offset: -1.623 ms

# Below is generated by plot.py at 2017-12-06 03:35:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 295.65 Mbit/s
95th percentile per-packet one-way delay: 1.271 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 158.43 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 157.02 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 101.07 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.22%
```

Run 2: Report of Indigo-calib — Data Link

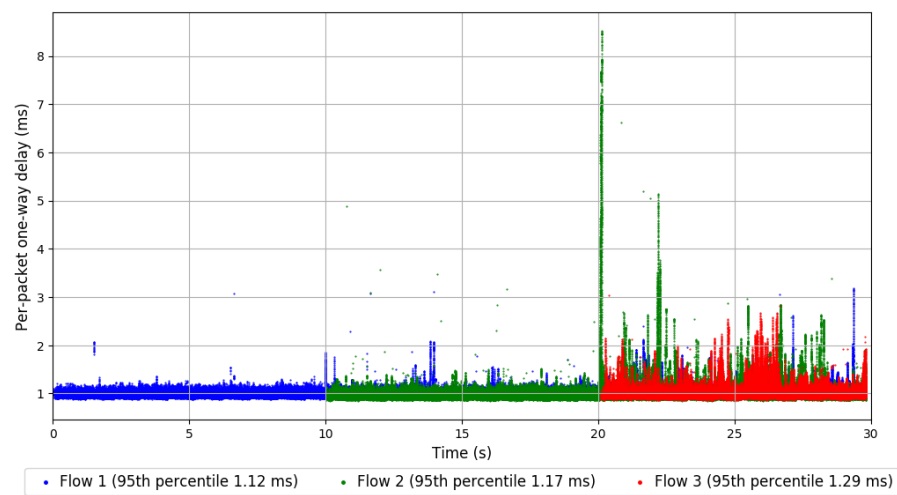
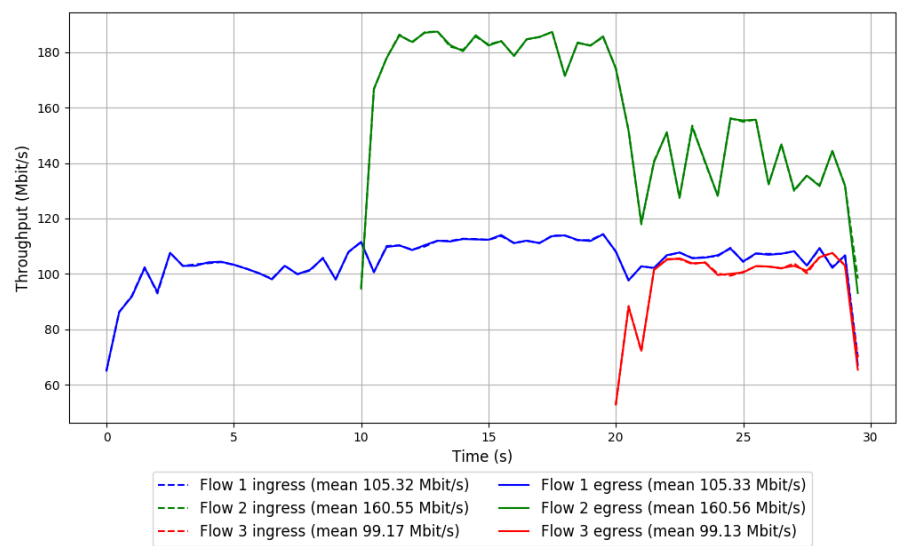


Run 3: Statistics of Indigo-calib

Start at: 2017-12-05 19:56:08
End at: 2017-12-05 19:56:38
Local clock offset: 1.357 ms
Remote clock offset: -1.242 ms

Below is generated by plot.py at 2017-12-06 03:35:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.24 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 105.33 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 160.56 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 99.13 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.25%

Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-12-05 20:16:45

End at: 2017-12-05 20:17:15

Local clock offset: 1.471 ms

Remote clock offset: -0.93 ms

Below is generated by plot.py at 2017-12-06 03:35:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 281.93 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 179.73 Mbit/s

95th percentile per-packet one-way delay: 1.276 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 103.76 Mbit/s

95th percentile per-packet one-way delay: 1.304 ms

Loss rate: 0.11%

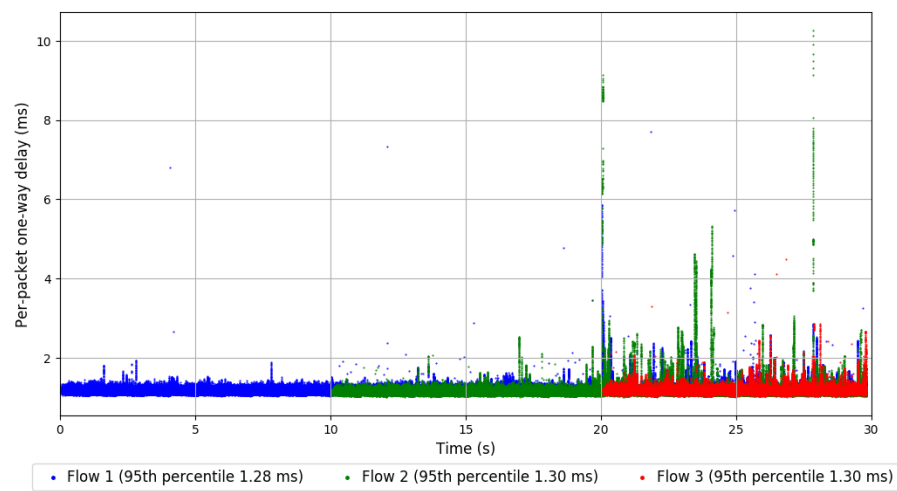
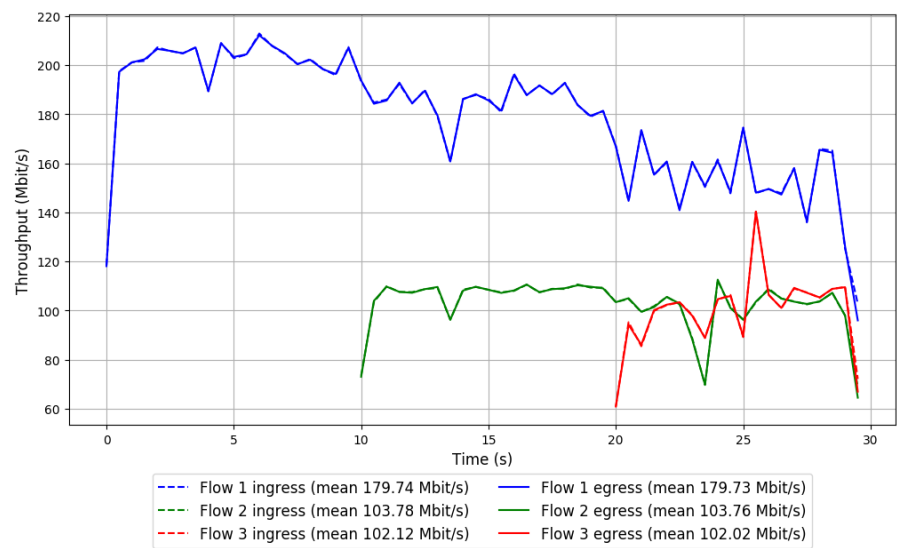
-- Flow 3:

Average throughput: 102.02 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.26%

Run 4: Report of Indigo-calib — Data Link

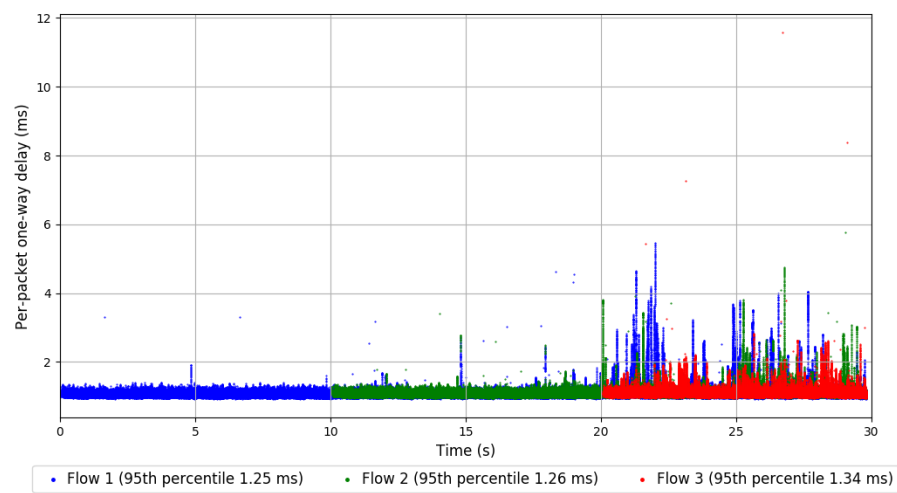
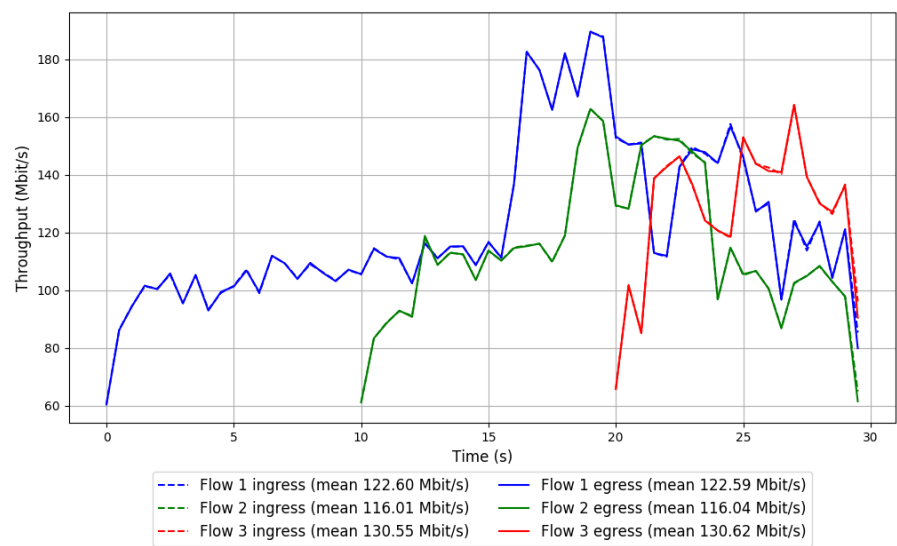


Run 5: Statistics of Indigo-calib

Start at: 2017-12-05 20:37:11
End at: 2017-12-05 20:37:41
Local clock offset: 1.341 ms
Remote clock offset: -1.167 ms

Below is generated by plot.py at 2017-12-06 03:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.24 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 122.59 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 116.04 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 130.62 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.24%

Run 5: Report of Indigo-calib — Data Link

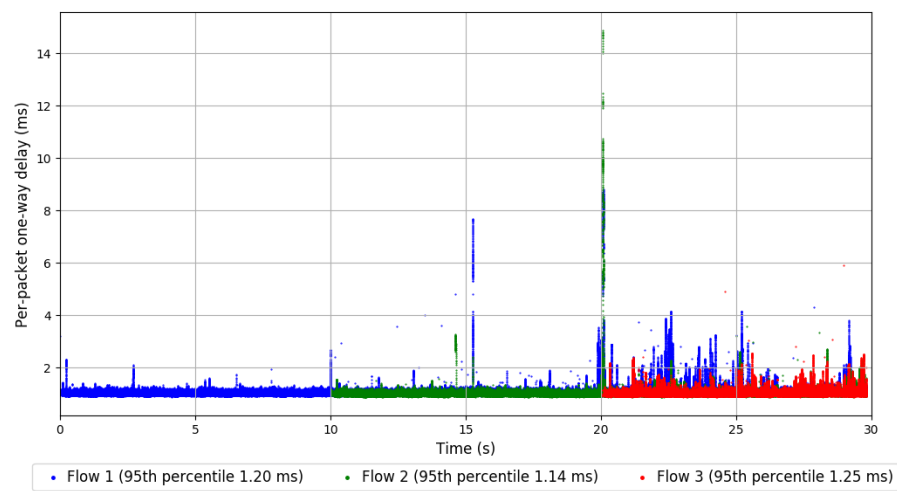
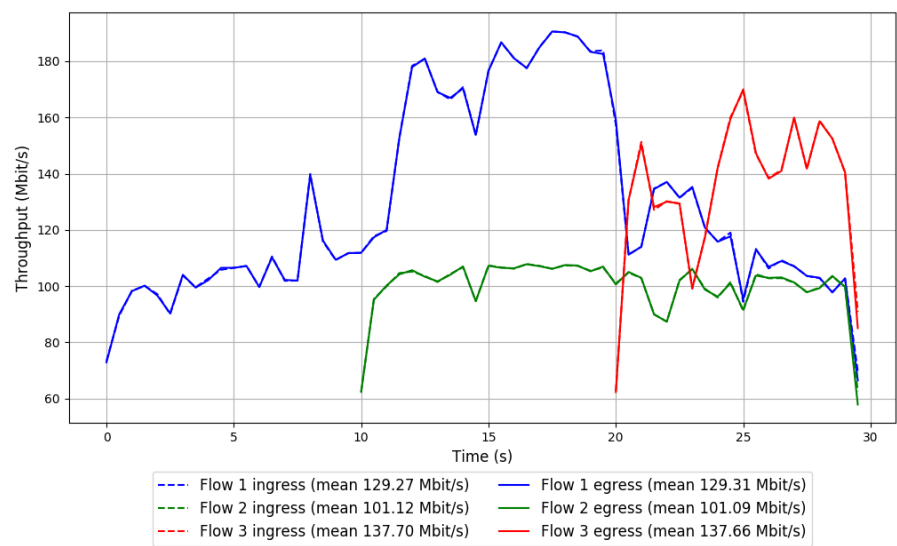


Run 6: Statistics of Indigo-calib

Start at: 2017-12-05 20:57:27
End at: 2017-12-05 20:57:57
Local clock offset: 1.231 ms
Remote clock offset: -1.091 ms

Below is generated by plot.py at 2017-12-06 03:36:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.35 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 129.31 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 101.09 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 137.66 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.22%

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-12-05 21:18:11

End at: 2017-12-05 21:18:41

Local clock offset: 1.346 ms

Remote clock offset: -0.91 ms

Below is generated by plot.py at 2017-12-06 03:36:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.81 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 106.29 Mbit/s

95th percentile per-packet one-way delay: 1.236 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 151.89 Mbit/s

95th percentile per-packet one-way delay: 1.287 ms

Loss rate: 0.05%

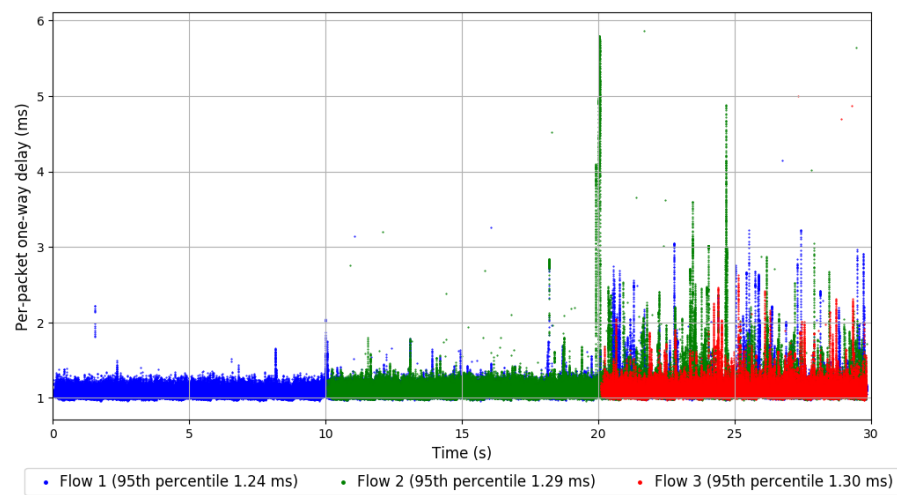
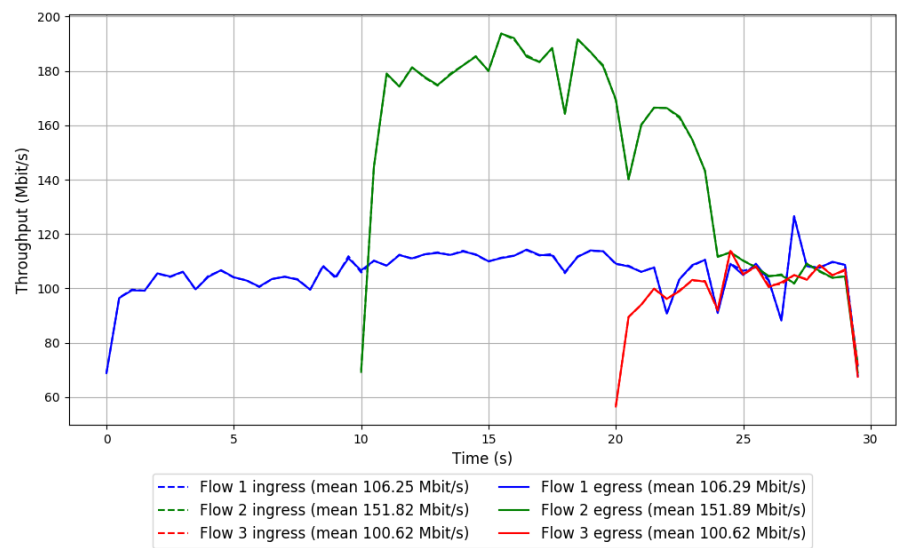
-- Flow 3:

Average throughput: 100.62 Mbit/s

95th percentile per-packet one-way delay: 1.297 ms

Loss rate: 0.22%

Run 7: Report of Indigo-calib — Data Link

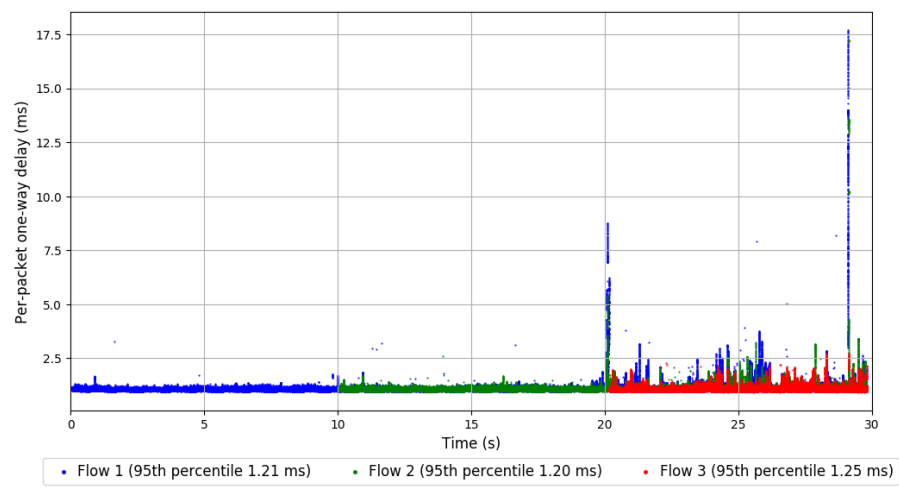
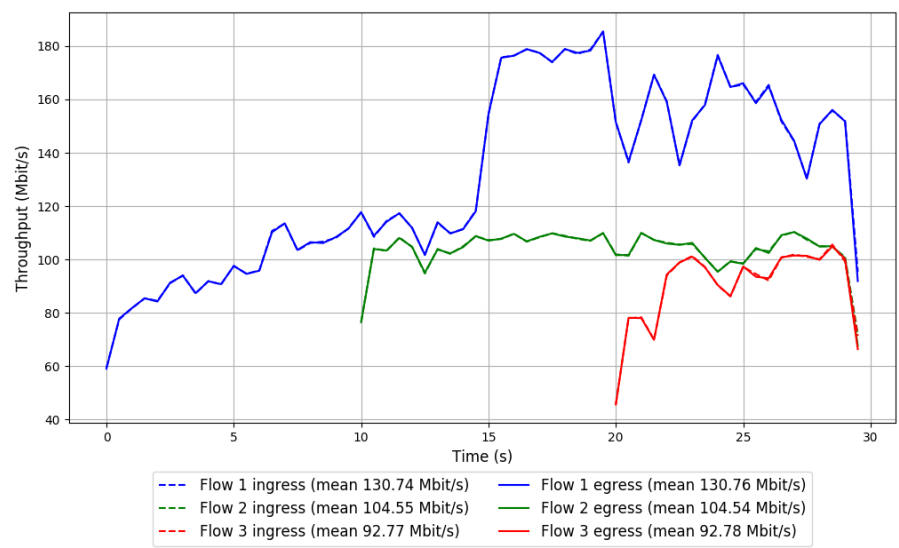


Run 8: Statistics of Indigo-calib

Start at: 2017-12-05 21:38:58
End at: 2017-12-05 21:39:28
Local clock offset: 1.394 ms
Remote clock offset: -1.091 ms

Below is generated by plot.py at 2017-12-06 03:36:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.35 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 130.76 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 104.54 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.28%

Run 8: Report of Indigo-calib — Data Link

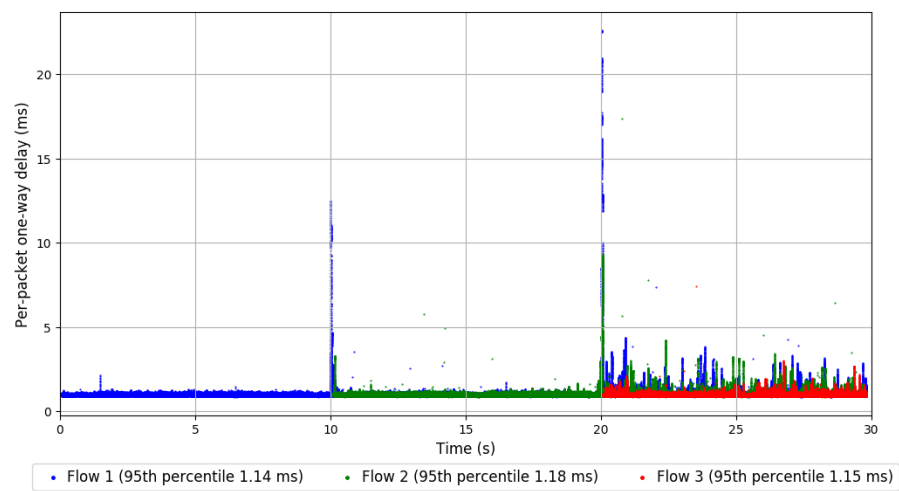
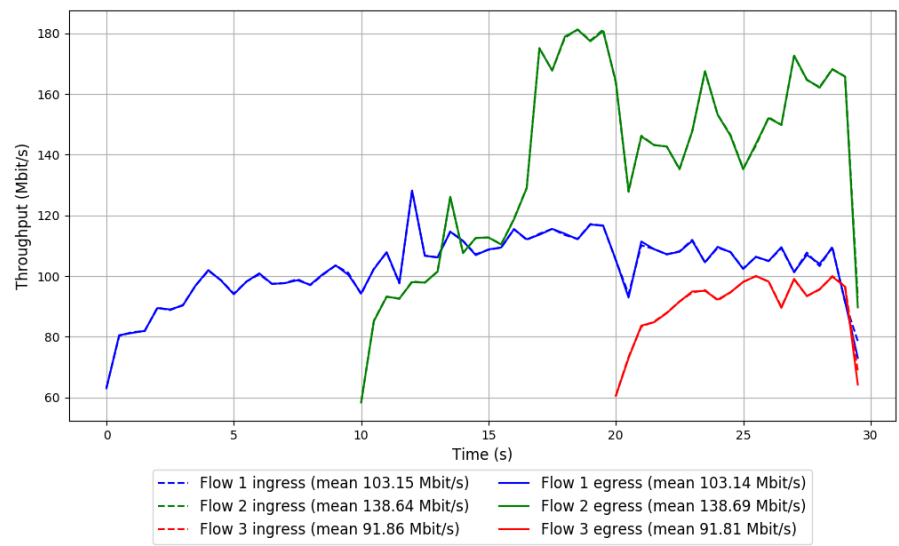


Run 9: Statistics of Indigo-calib

Start at: 2017-12-05 21:59:38
End at: 2017-12-05 22:00:08
Local clock offset: 1.221 ms
Remote clock offset: -1.076 ms

Below is generated by plot.py at 2017-12-06 03:36:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.14 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 103.14 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 138.69 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.27%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-05 22:19:57
End at: 2017-12-05 22:20:27
Local clock offset: 1.145 ms
Remote clock offset: -1.078 ms

Below is generated by plot.py at 2017-12-06 03:36:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.68 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 107.80 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 143.65 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.25%

Run 10: Report of Indigo-calib — Data Link

