

Pantheon Report

Generated at 2017-09-22 04:05:16 (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).

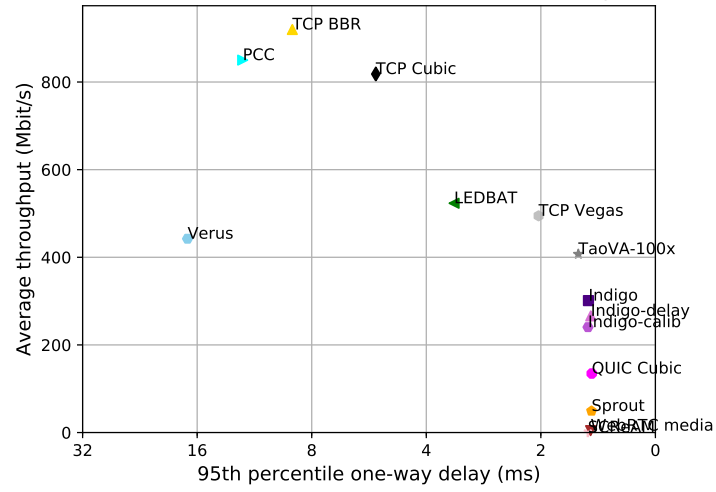
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

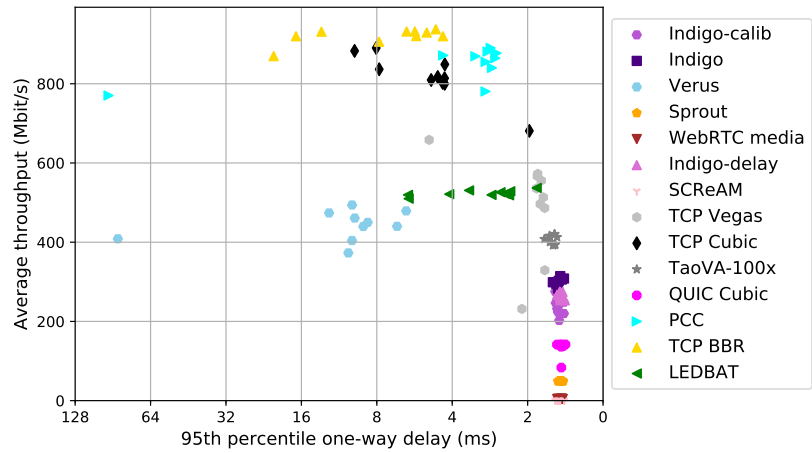
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
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



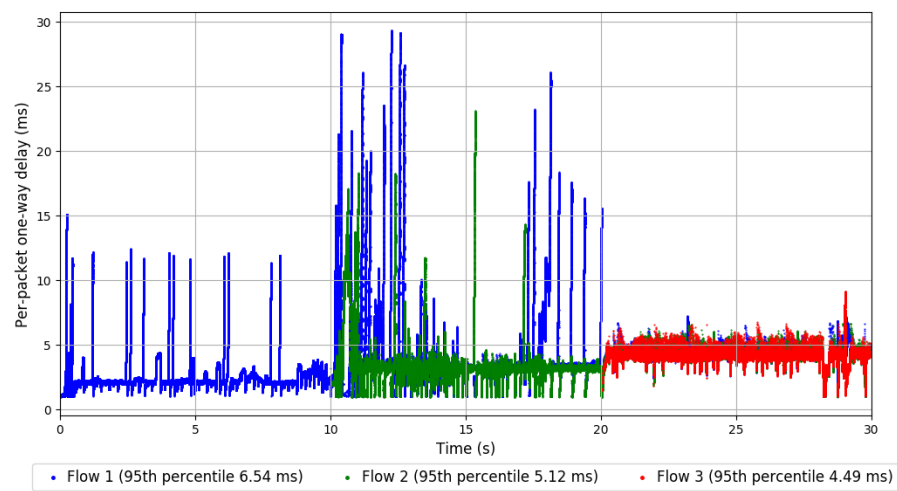
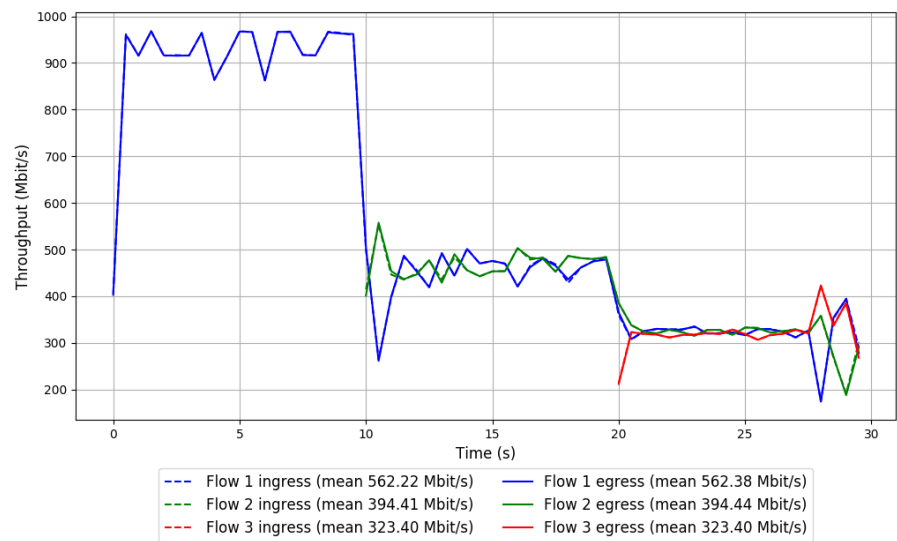
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	552.13	392.36	322.38	10.36	5.37	4.85	0.04	0.10	0.24
TCP Cubic	10	460.16	382.94	311.70	5.51	4.16	4.22	0.06	0.10	0.24
LEDBAT	10	304.84	243.01	172.09	3.19	2.98	2.35	0.05	0.10	0.21
PCC	10	618.50	270.97	157.17	12.25	3.05	3.11	0.20	0.11	0.27
QUIC Cubic	10	67.72	69.47	59.92	1.10	1.11	1.12	0.05	0.10	0.23
SCReAM	10	0.22	0.22	0.22	1.18	1.17	1.16	0.00	0.02	0.35
WebRTC media	10	2.37	1.45	0.58	1.13	1.13	1.16	0.02	0.13	0.26
Sprout	10	24.78	24.72	24.62	1.11	1.11	1.12	0.06	0.06	0.24
TaoVA-100x	10	232.12	206.46	151.38	1.20	1.49	1.88	0.05	0.07	0.24
TCP Vegas	10	211.78	279.54	283.86	467.58	1.63	1.77	0.05	0.11	0.20
Verus	10	264.80	195.64	144.07	18.64	7.71	4.90	0.42	0.07	0.18
Indigo	9	161.63	149.96	104.60	1.15	1.19	1.21	0.06	0.08	0.18
Indigo-calib	10	123.42	124.92	104.82	1.16	1.19	1.22	0.06	0.09	0.20
Indigo-delay	10	143.55	125.98	120.16	1.10	1.15	1.19	0.05	0.09	0.20

Run 1: Statistics of TCP BBR

Start at: 2017-09-21 19:37:10
End at: 2017-09-21 19:37:40
Local clock offset: -0.544 ms
Remote clock offset: -2.115 ms

Below is generated by plot.py at 2017-09-22 02:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 932.00 Mbit/s
95th percentile per-packet one-way delay: 5.640 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 562.38 Mbit/s
95th percentile per-packet one-way delay: 6.540 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 394.44 Mbit/s
95th percentile per-packet one-way delay: 5.123 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 323.40 Mbit/s
95th percentile per-packet one-way delay: 4.491 ms
Loss rate: 0.23%

Run 1: Report of TCP BBR — Data Link

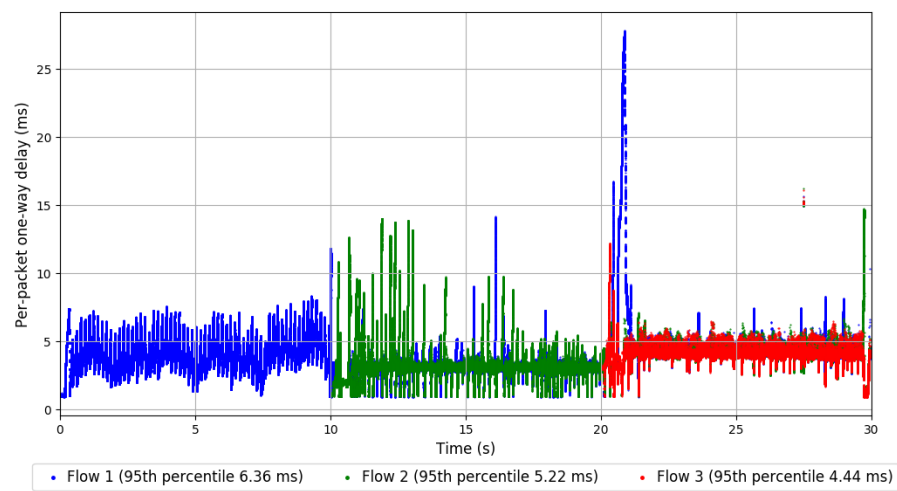
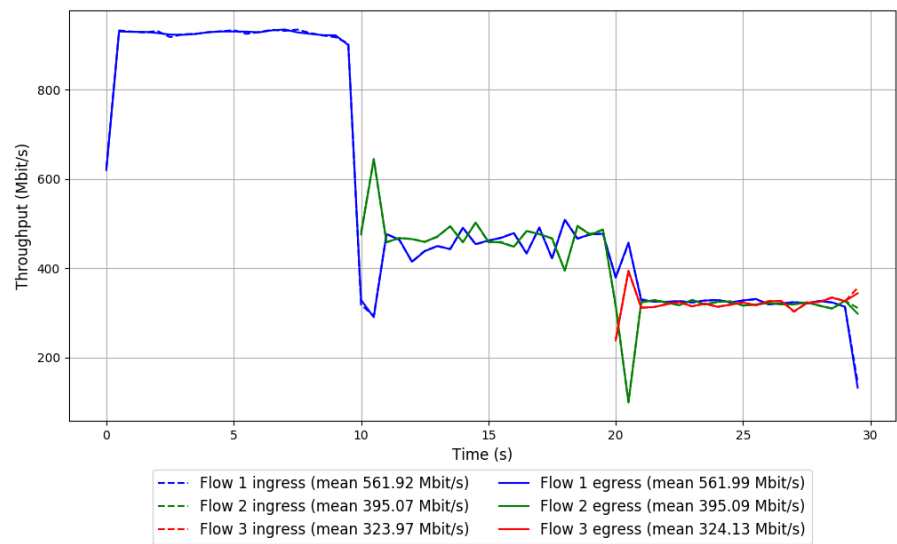


Run 2: Statistics of TCP BBR

Start at: 2017-09-21 19:57:50
End at: 2017-09-21 19:58:20
Local clock offset: -0.235 ms
Remote clock offset: -1.355 ms

Below is generated by plot.py at 2017-09-22 02:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 931.85 Mbit/s
95th percentile per-packet one-way delay: 6.086 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 561.99 Mbit/s
95th percentile per-packet one-way delay: 6.364 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 395.09 Mbit/s
95th percentile per-packet one-way delay: 5.224 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 324.13 Mbit/s
95th percentile per-packet one-way delay: 4.442 ms
Loss rate: 0.24%

Run 2: Report of TCP BBR — Data Link

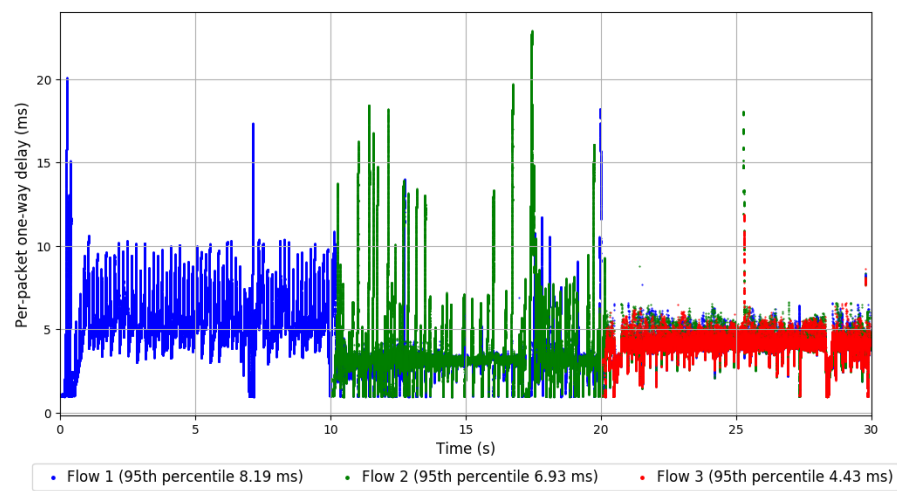
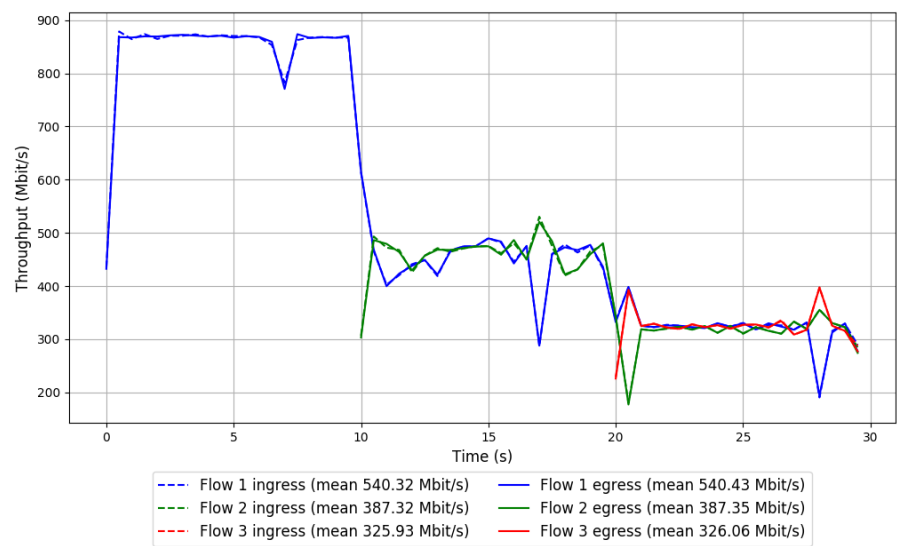


Run 3: Statistics of TCP BBR

Start at: 2017-09-21 20:18:25
End at: 2017-09-21 20:18:55
Local clock offset: -0.012 ms
Remote clock offset: -0.954 ms

Below is generated by plot.py at 2017-09-22 02:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 906.20 Mbit/s
95th percentile per-packet one-way delay: 7.836 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 540.43 Mbit/s
95th percentile per-packet one-way delay: 8.189 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 387.35 Mbit/s
95th percentile per-packet one-way delay: 6.931 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 326.06 Mbit/s
95th percentile per-packet one-way delay: 4.430 ms
Loss rate: 0.21%

Run 3: Report of TCP BBR — Data Link

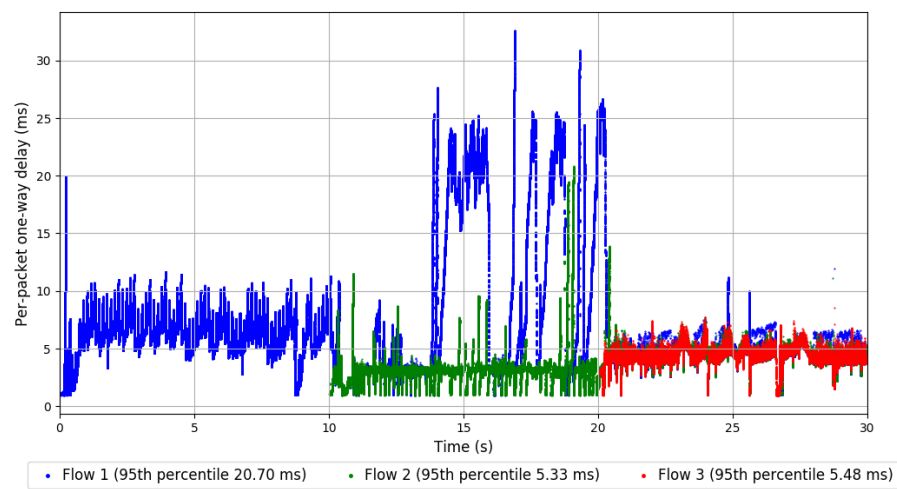
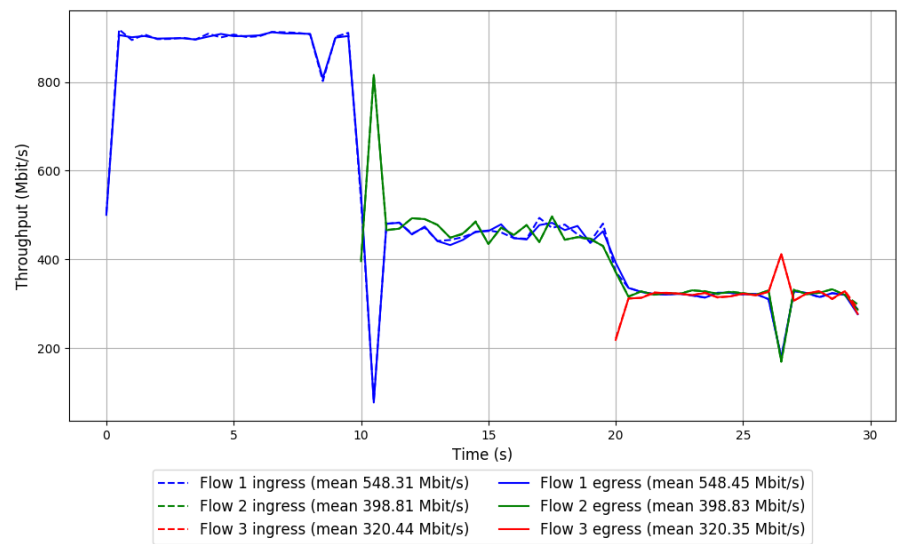


Run 4: Statistics of TCP BBR

Start at: 2017-09-21 20:39:03
End at: 2017-09-21 20:39:33
Local clock offset: 0.035 ms
Remote clock offset: -1.249 ms

Below is generated by plot.py at 2017-09-22 02:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 919.95 Mbit/s
95th percentile per-packet one-way delay: 16.814 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 548.45 Mbit/s
95th percentile per-packet one-way delay: 20.695 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 398.83 Mbit/s
95th percentile per-packet one-way delay: 5.335 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.35 Mbit/s
95th percentile per-packet one-way delay: 5.478 ms
Loss rate: 0.24%

Run 4: Report of TCP BBR — Data Link

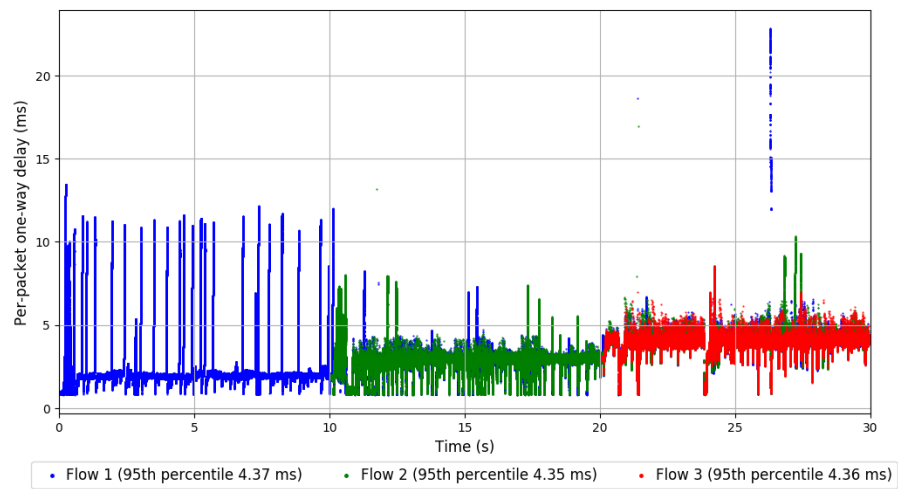
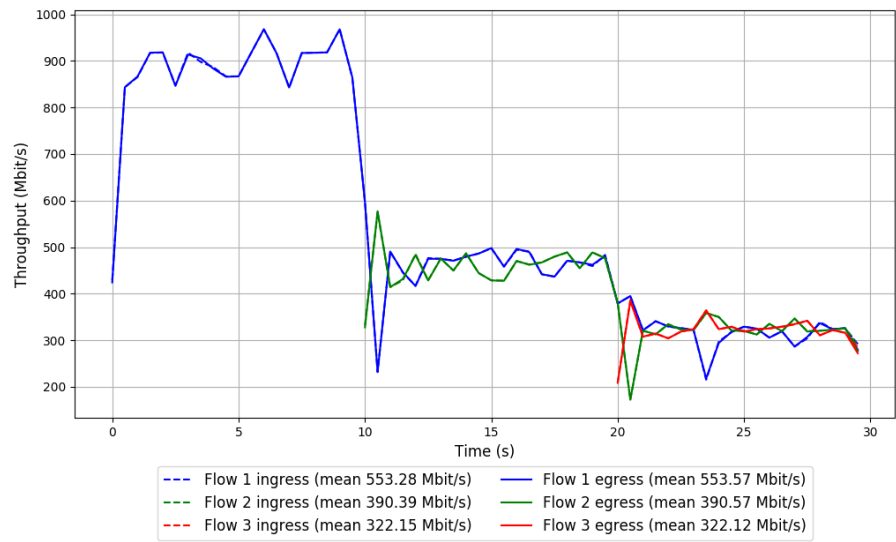


Run 5: Statistics of TCP BBR

Start at: 2017-09-21 20:59:40
End at: 2017-09-21 21:00:10
Local clock offset: 0.164 ms
Remote clock offset: -1.199 ms

Below is generated by plot.py at 2017-09-22 02:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 919.96 Mbit/s
95th percentile per-packet one-way delay: 4.357 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 553.57 Mbit/s
95th percentile per-packet one-way delay: 4.365 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 390.57 Mbit/s
95th percentile per-packet one-way delay: 4.348 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 322.12 Mbit/s
95th percentile per-packet one-way delay: 4.362 ms
Loss rate: 0.24%

Run 5: Report of TCP BBR — Data Link

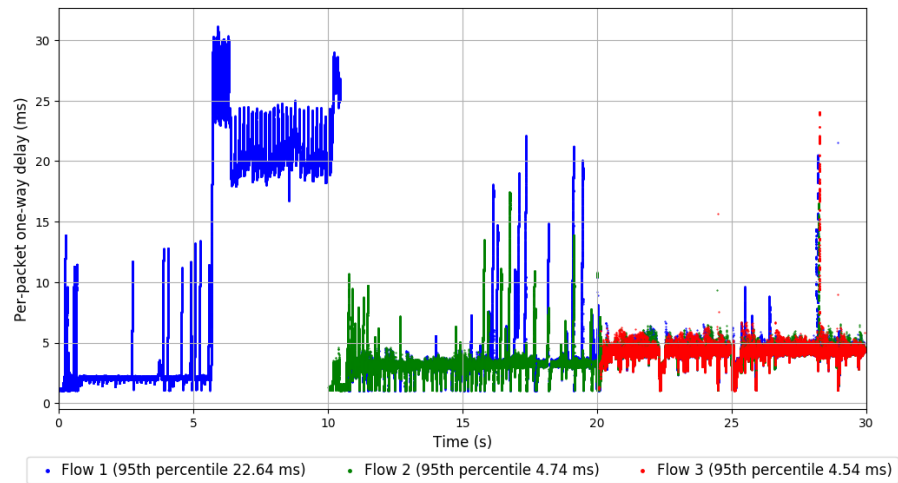
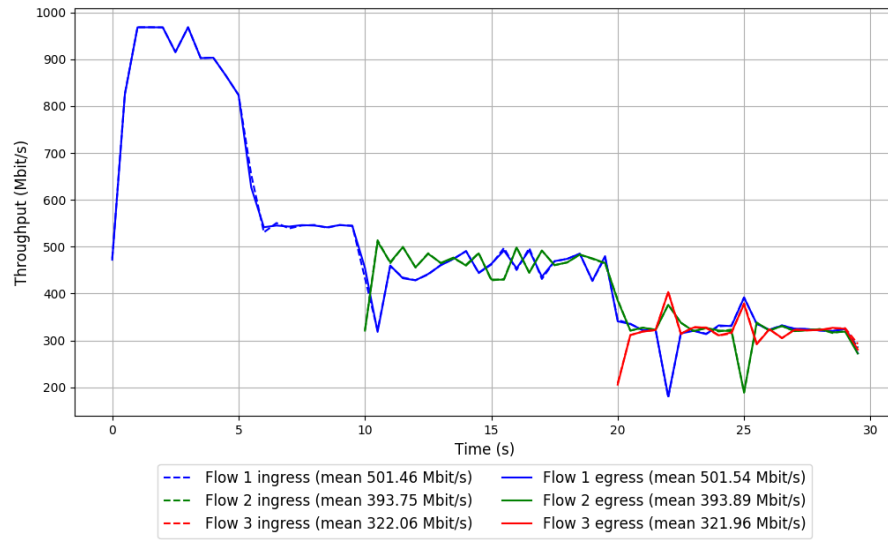


Run 6: Statistics of TCP BBR

Start at: 2017-09-21 21:20:23
End at: 2017-09-21 21:20:53
Local clock offset: 0.497 ms
Remote clock offset: -1.301 ms

Below is generated by plot.py at 2017-09-22 02:34:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 869.78 Mbit/s
95th percentile per-packet one-way delay: 20.647 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 501.54 Mbit/s
95th percentile per-packet one-way delay: 22.643 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.89 Mbit/s
95th percentile per-packet one-way delay: 4.740 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 321.96 Mbit/s
95th percentile per-packet one-way delay: 4.543 ms
Loss rate: 0.24%

Run 6: Report of TCP BBR — Data Link

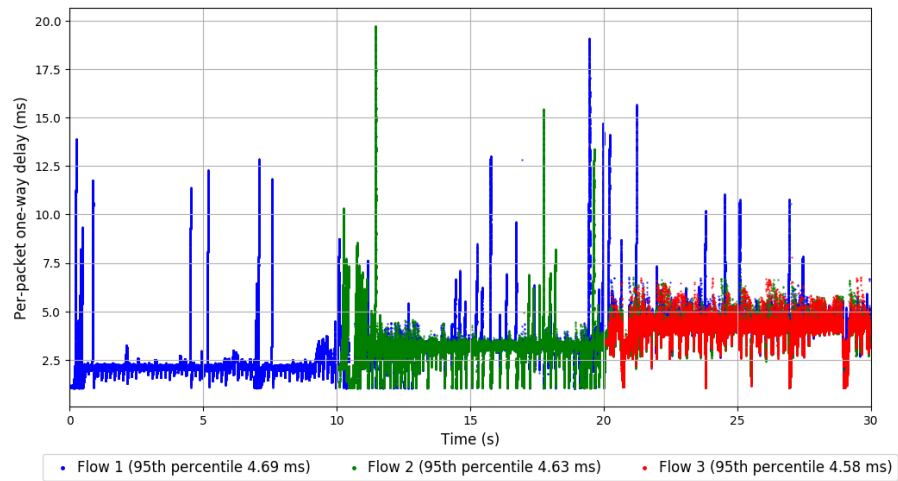
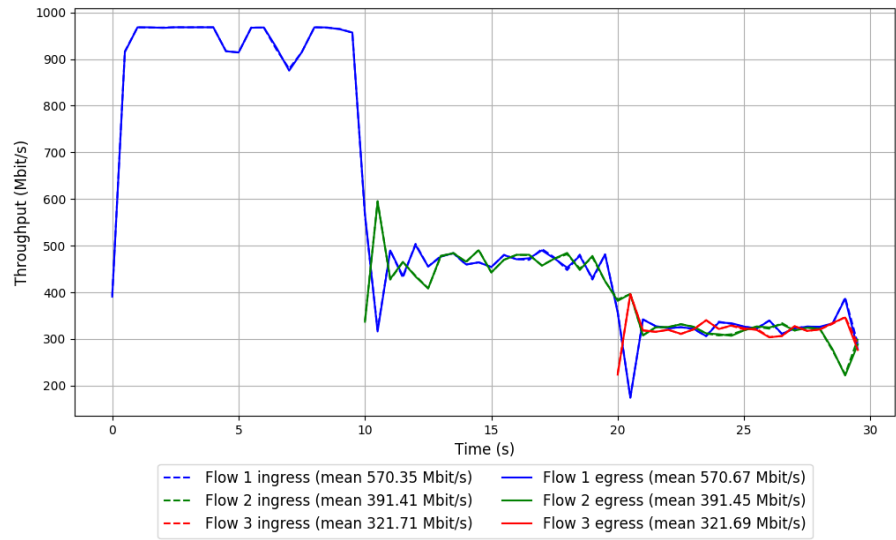


Run 7: Statistics of TCP BBR

Start at: 2017-09-21 21:41:05
End at: 2017-09-21 21:41:35
Local clock offset: 0.532 ms
Remote clock offset: -1.152 ms

Below is generated by plot.py at 2017-09-22 02:34:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 937.55 Mbit/s
95th percentile per-packet one-way delay: 4.652 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 570.67 Mbit/s
95th percentile per-packet one-way delay: 4.692 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 391.45 Mbit/s
95th percentile per-packet one-way delay: 4.633 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 321.69 Mbit/s
95th percentile per-packet one-way delay: 4.583 ms
Loss rate: 0.23%

Run 7: Report of TCP BBR — Data Link

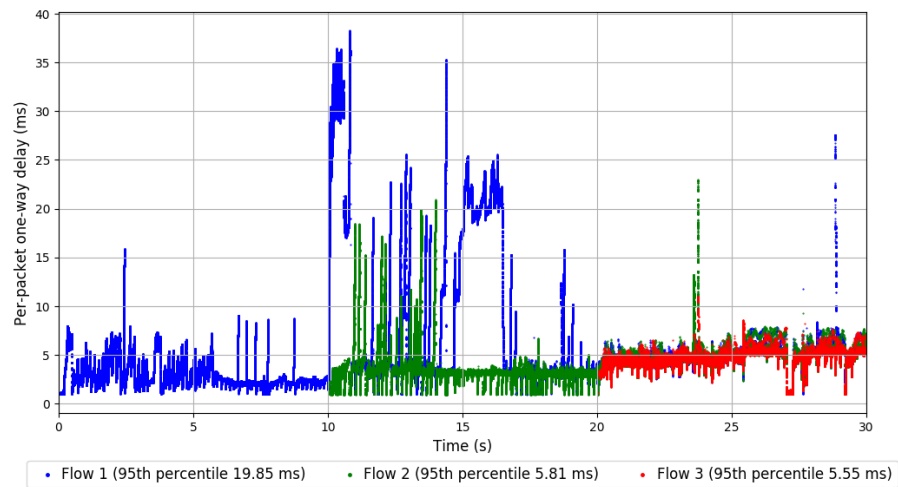
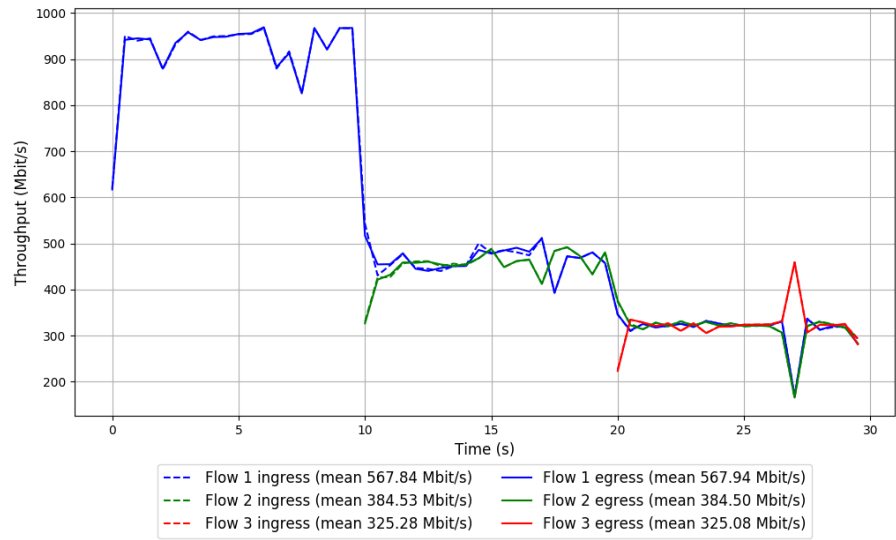


Run 8: Statistics of TCP BBR

Start at: 2017-09-21 22:01:57
End at: 2017-09-21 22:02:27
Local clock offset: 0.35 ms
Remote clock offset: -1.095 ms

Below is generated by plot.py at 2017-09-22 02:34:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 931.52 Mbit/s
95th percentile per-packet one-way delay: 13.305 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 567.94 Mbit/s
95th percentile per-packet one-way delay: 19.854 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 384.50 Mbit/s
95th percentile per-packet one-way delay: 5.814 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 325.08 Mbit/s
95th percentile per-packet one-way delay: 5.553 ms
Loss rate: 0.25%

Run 8: Report of TCP BBR — Data Link

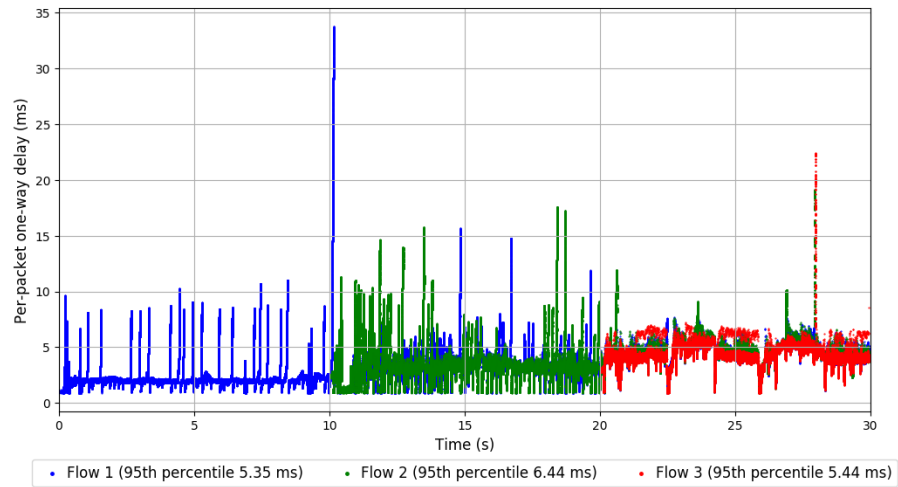
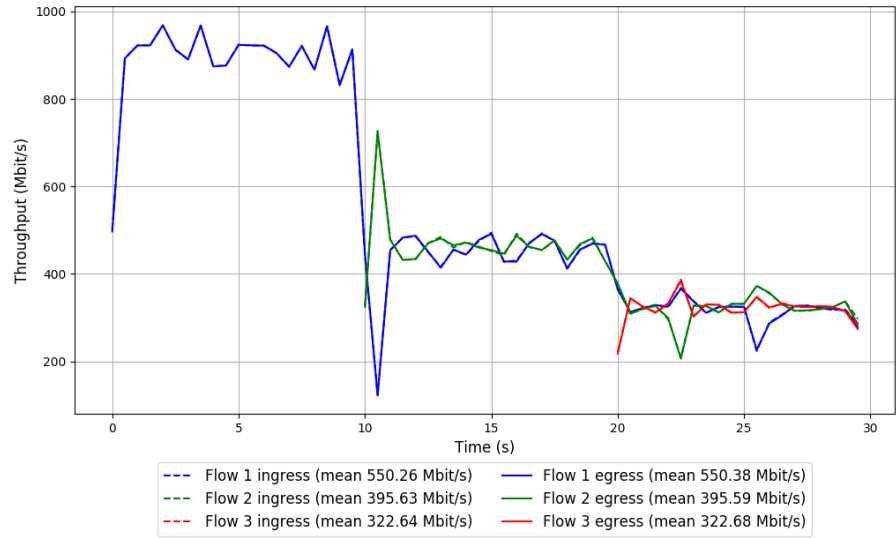


Run 9: Statistics of TCP BBR

Start at: 2017-09-21 22:22:34
End at: 2017-09-21 22:23:04
Local clock offset: 0.357 ms
Remote clock offset: -1.129 ms

Below is generated by plot.py at 2017-09-22 02:46:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 920.41 Mbit/s
95th percentile per-packet one-way delay: 5.569 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 550.38 Mbit/s
95th percentile per-packet one-way delay: 5.352 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 395.59 Mbit/s
95th percentile per-packet one-way delay: 6.438 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 322.68 Mbit/s
95th percentile per-packet one-way delay: 5.444 ms
Loss rate: 0.25%

Run 9: Report of TCP BBR — Data Link

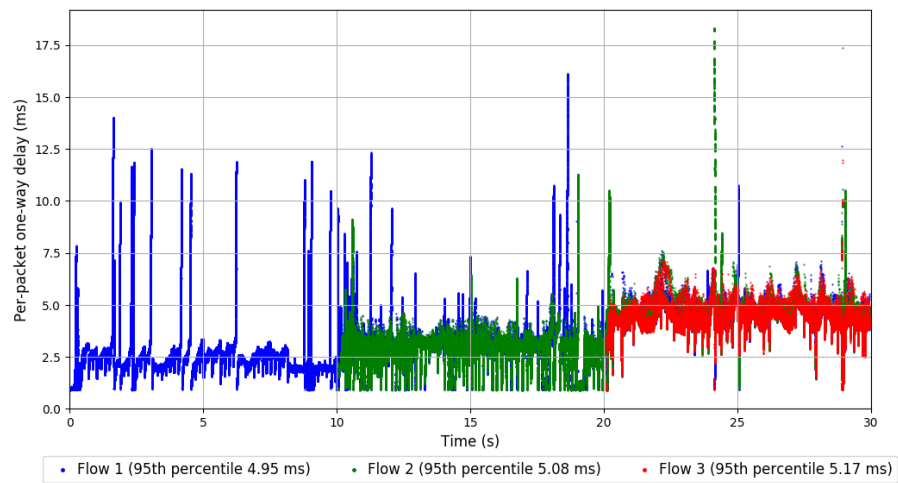
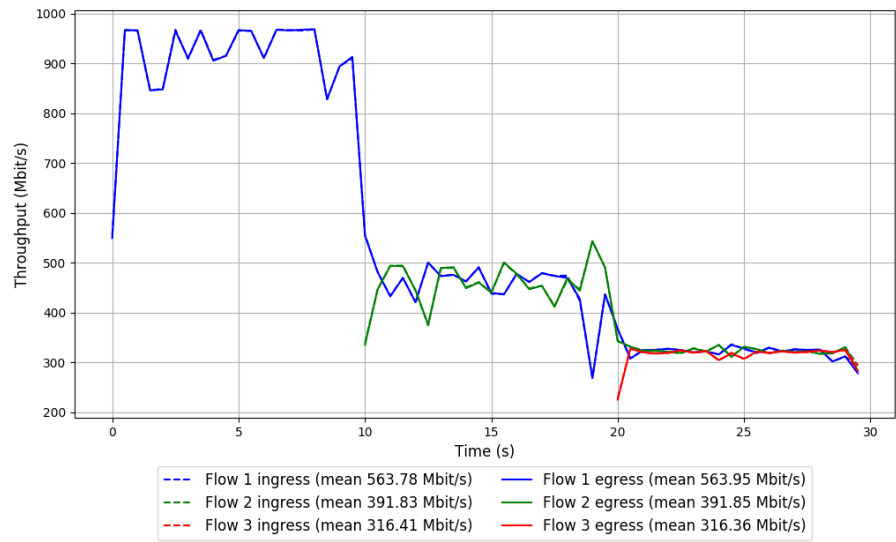


Run 10: Statistics of TCP BBR

Start at: 2017-09-21 22:43:06
End at: 2017-09-21 22:43:36
Local clock offset: 0.257 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2017-09-22 02:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 929.36 Mbit/s
95th percentile per-packet one-way delay: 5.057 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 563.95 Mbit/s
95th percentile per-packet one-way delay: 4.954 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 391.85 Mbit/s
95th percentile per-packet one-way delay: 5.078 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.36 Mbit/s
95th percentile per-packet one-way delay: 5.174 ms
Loss rate: 0.23%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 19:41:50

End at: 2017-09-21 19:42:20

Local clock offset: -0.599 ms

Remote clock offset: -1.96 ms

Below is generated by plot.py at 2017-09-22 02:47:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 813.90 Mbit/s

95th percentile per-packet one-way delay: 4.291 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 441.93 Mbit/s

95th percentile per-packet one-way delay: 4.234 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 402.01 Mbit/s

95th percentile per-packet one-way delay: 4.333 ms

Loss rate: 0.16%

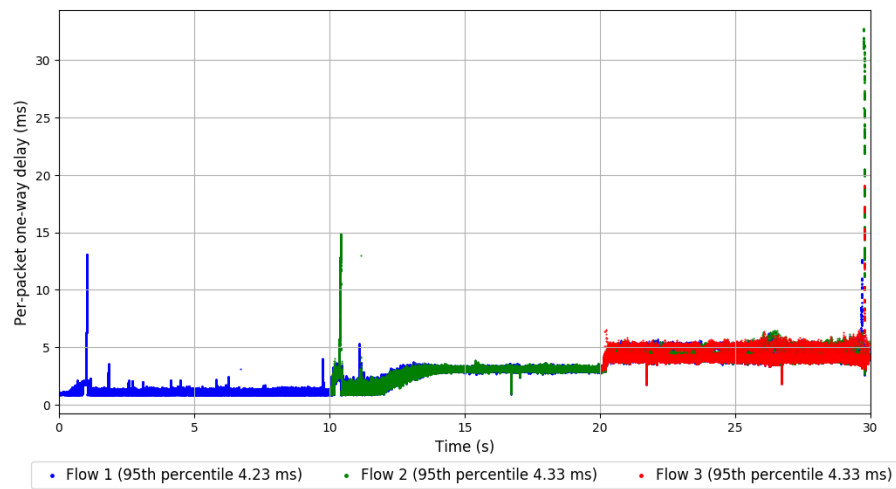
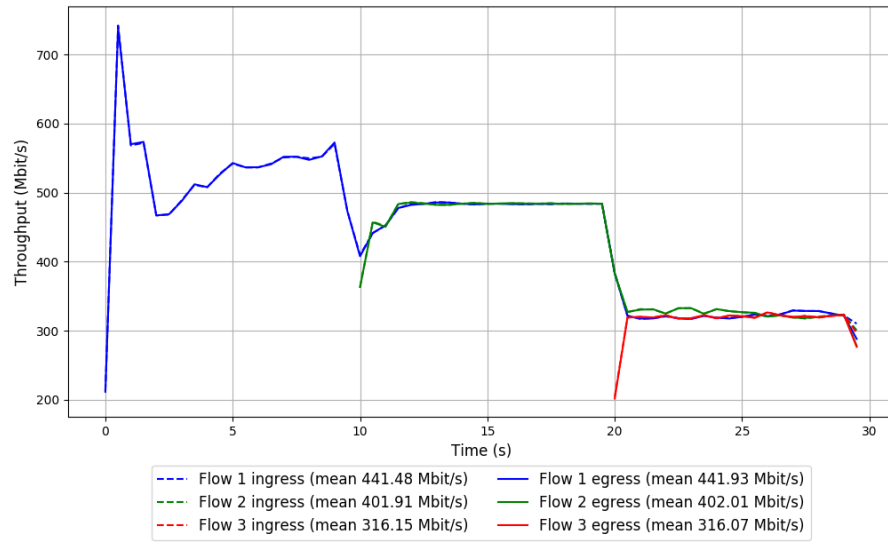
-- Flow 3:

Average throughput: 316.07 Mbit/s

95th percentile per-packet one-way delay: 4.333 ms

Loss rate: 0.35%

Run 1: Report of TCP Cubic — Data Link

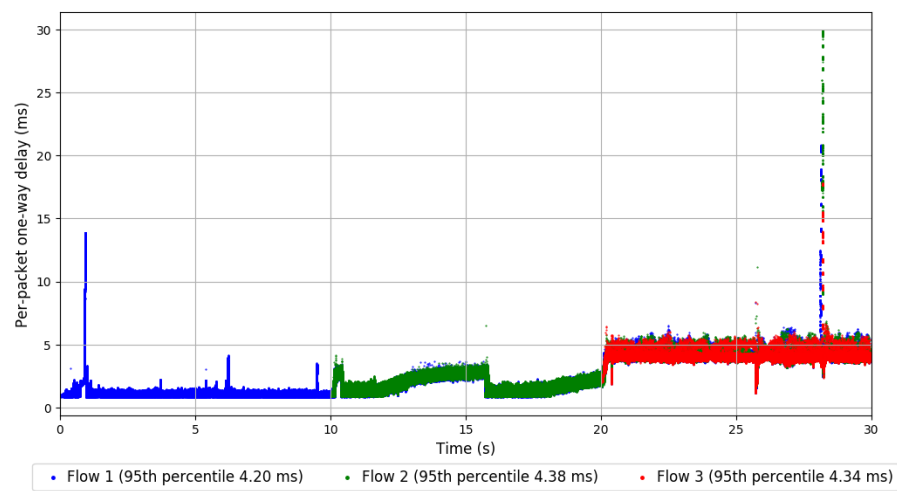
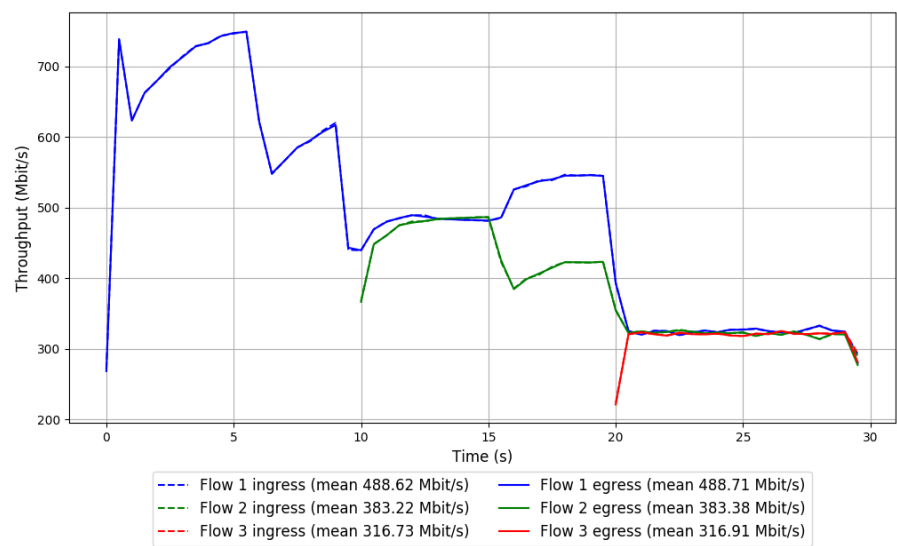


Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 20:02:31
End at: 2017-09-21 20:03:01
Local clock offset: -0.223 ms
Remote clock offset: -1.214 ms

Below is generated by plot.py at 2017-09-22 02:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 848.88 Mbit/s
95th percentile per-packet one-way delay: 4.282 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 488.71 Mbit/s
95th percentile per-packet one-way delay: 4.197 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 383.38 Mbit/s
95th percentile per-packet one-way delay: 4.376 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.91 Mbit/s
95th percentile per-packet one-way delay: 4.340 ms
Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

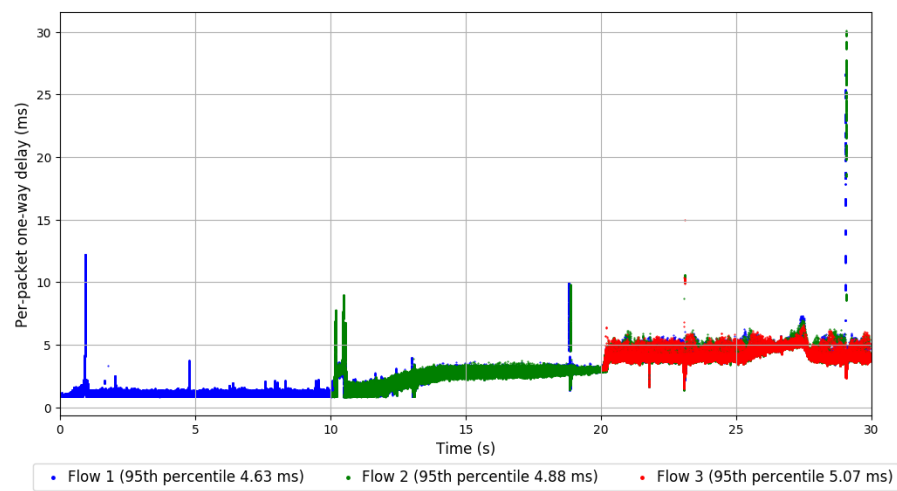
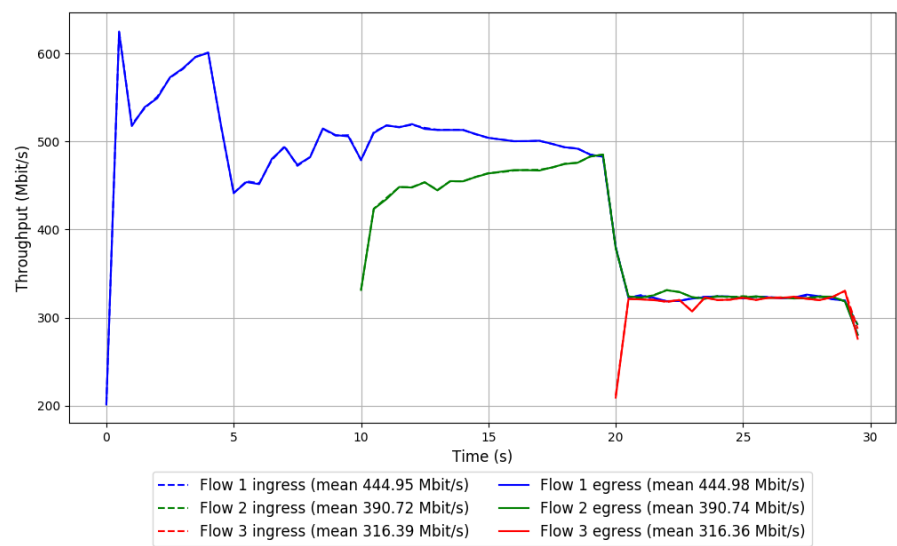


Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 20:23:04
End at: 2017-09-21 20:23:34
Local clock offset: -0.009 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2017-09-22 02:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 809.49 Mbit/s
95th percentile per-packet one-way delay: 4.854 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 444.98 Mbit/s
95th percentile per-packet one-way delay: 4.628 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 390.74 Mbit/s
95th percentile per-packet one-way delay: 4.883 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.36 Mbit/s
95th percentile per-packet one-way delay: 5.071 ms
Loss rate: 0.22%

Run 3: Report of TCP Cubic — Data Link

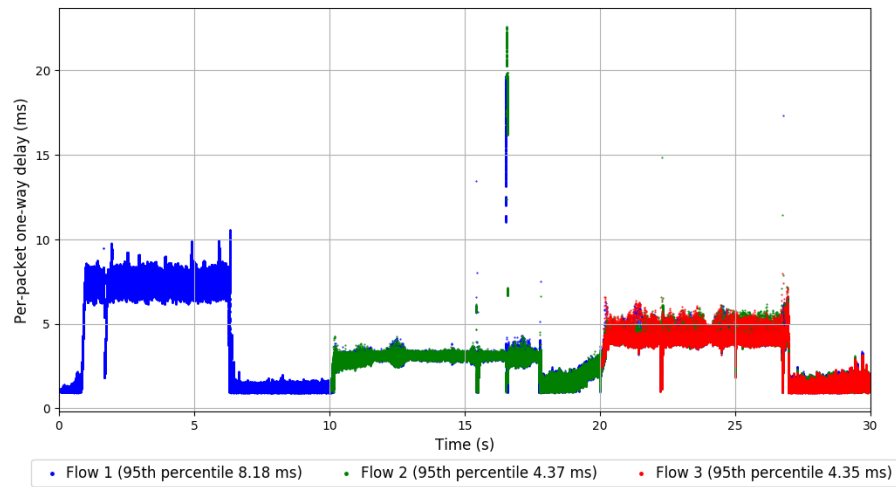
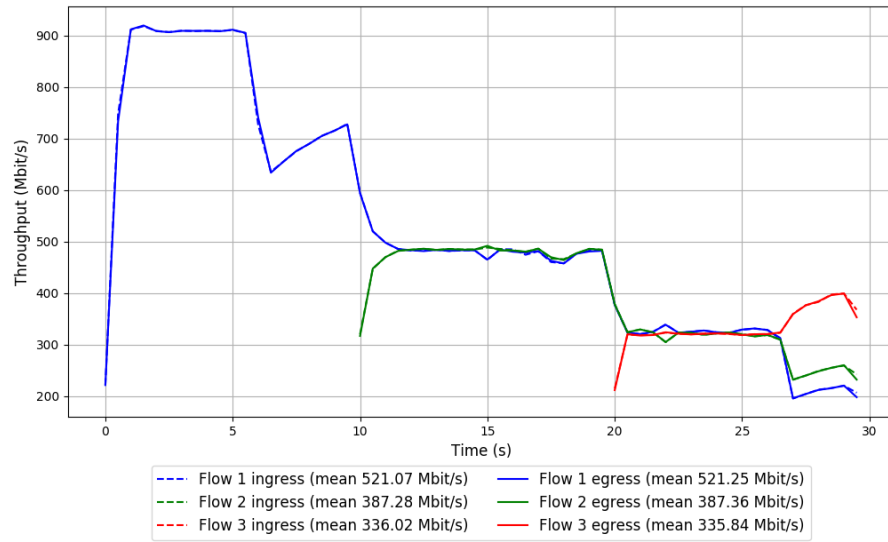


Run 4: Statistics of TCP Cubic

Start at: 2017-09-21 20:43:40
End at: 2017-09-21 20:44:10
Local clock offset: 0.119 ms
Remote clock offset: -1.251 ms

Below is generated by plot.py at 2017-09-22 02:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 890.20 Mbit/s
95th percentile per-packet one-way delay: 8.045 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 521.25 Mbit/s
95th percentile per-packet one-way delay: 8.178 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 387.36 Mbit/s
95th percentile per-packet one-way delay: 4.373 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 335.84 Mbit/s
95th percentile per-packet one-way delay: 4.348 ms
Loss rate: 0.26%

Run 4: Report of TCP Cubic — Data Link

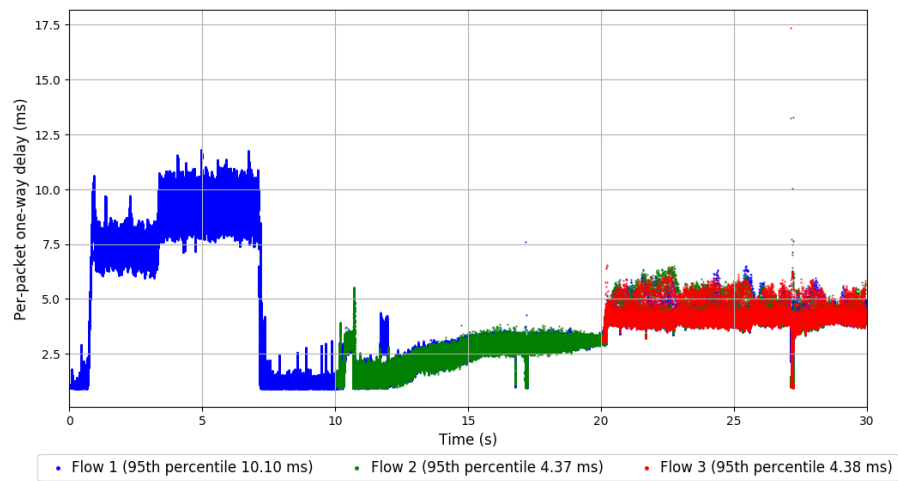
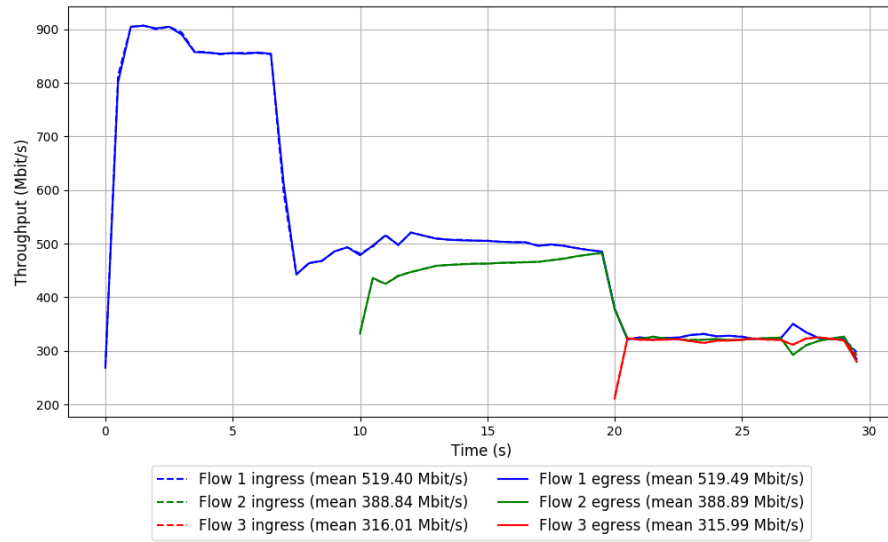


Run 5: Statistics of TCP Cubic

Start at: 2017-09-21 21:04:20
End at: 2017-09-21 21:04:50
Local clock offset: 0.191 ms
Remote clock offset: -1.305 ms

Below is generated by plot.py at 2017-09-22 02:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 882.91 Mbit/s
95th percentile per-packet one-way delay: 9.814 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 519.49 Mbit/s
95th percentile per-packet one-way delay: 10.096 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 388.89 Mbit/s
95th percentile per-packet one-way delay: 4.372 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.99 Mbit/s
95th percentile per-packet one-way delay: 4.379 ms
Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link

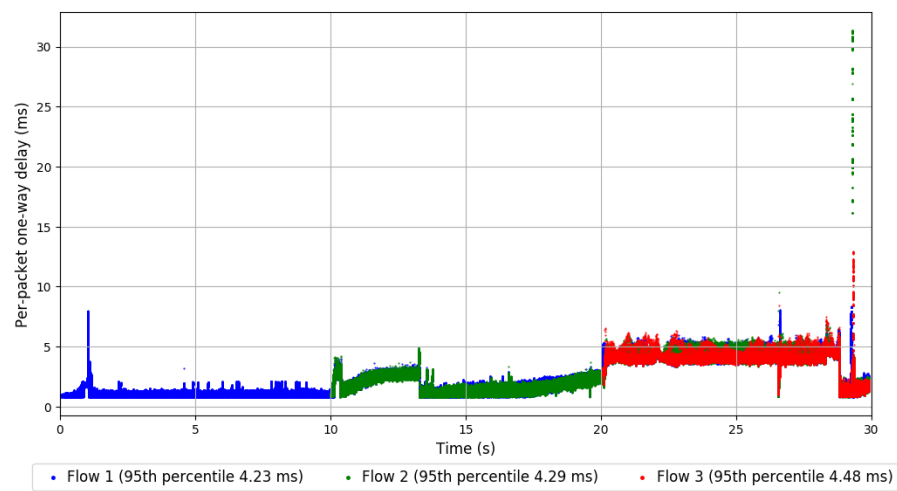
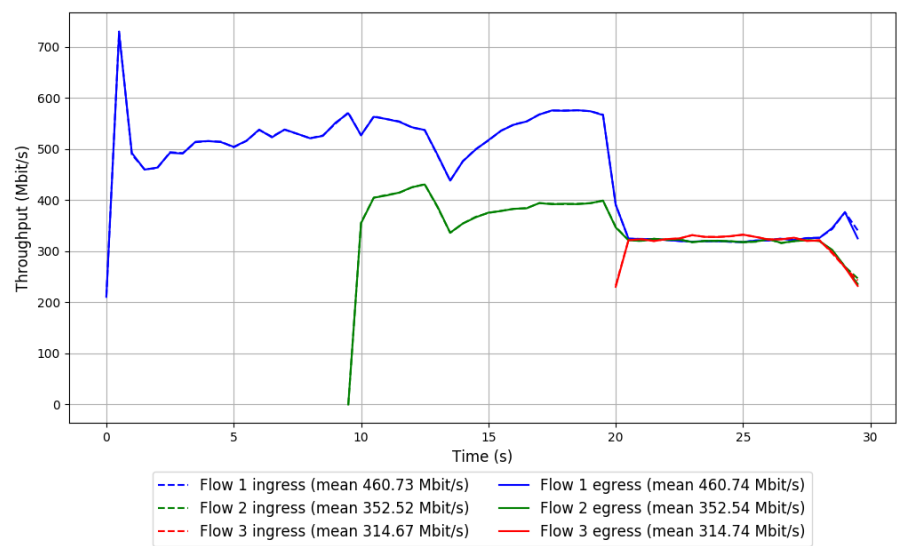


Run 6: Statistics of TCP Cubic

Start at: 2017-09-21 21:25:00
End at: 2017-09-21 21:25:30
Local clock offset: 0.416 ms
Remote clock offset: -1.159 ms

Below is generated by plot.py at 2017-09-22 02:47:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 799.87 Mbit/s
95th percentile per-packet one-way delay: 4.287 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 460.74 Mbit/s
95th percentile per-packet one-way delay: 4.230 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 352.54 Mbit/s
95th percentile per-packet one-way delay: 4.295 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 314.74 Mbit/s
95th percentile per-packet one-way delay: 4.479 ms
Loss rate: 0.19%

Run 6: Report of TCP Cubic — Data Link

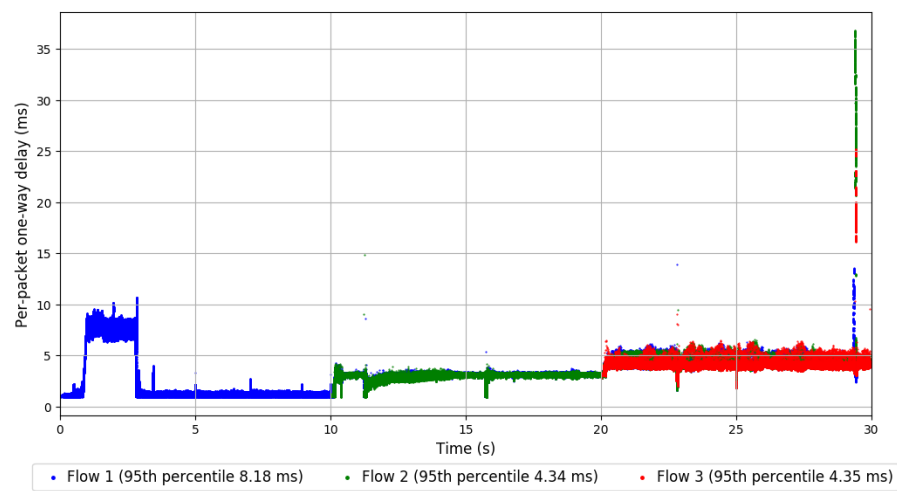
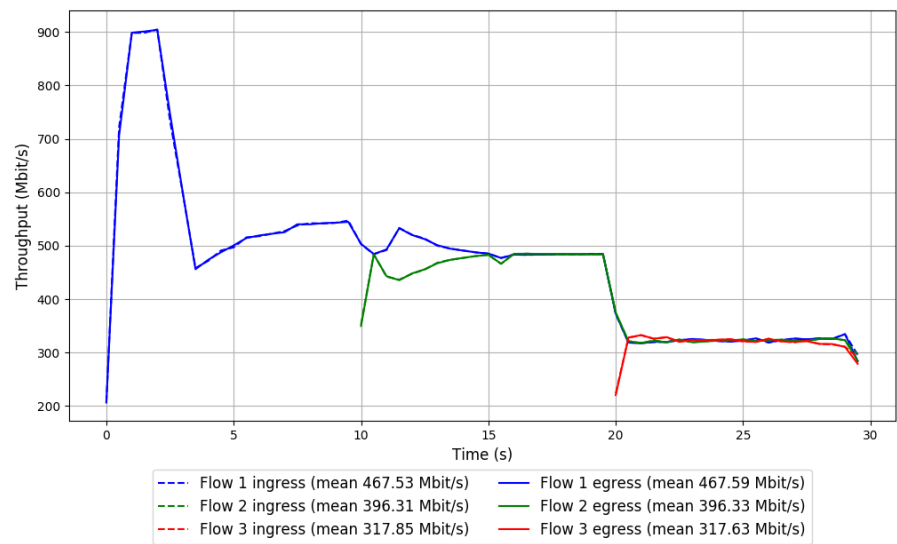


Run 7: Statistics of TCP Cubic

Start at: 2017-09-21 21:45:44
End at: 2017-09-21 21:46:14
Local clock offset: 0.495 ms
Remote clock offset: -1.013 ms

Below is generated by plot.py at 2017-09-22 02:57:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 836.55 Mbit/s
95th percentile per-packet one-way delay: 7.825 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 467.59 Mbit/s
95th percentile per-packet one-way delay: 8.182 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 396.33 Mbit/s
95th percentile per-packet one-way delay: 4.343 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.63 Mbit/s
95th percentile per-packet one-way delay: 4.349 ms
Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link

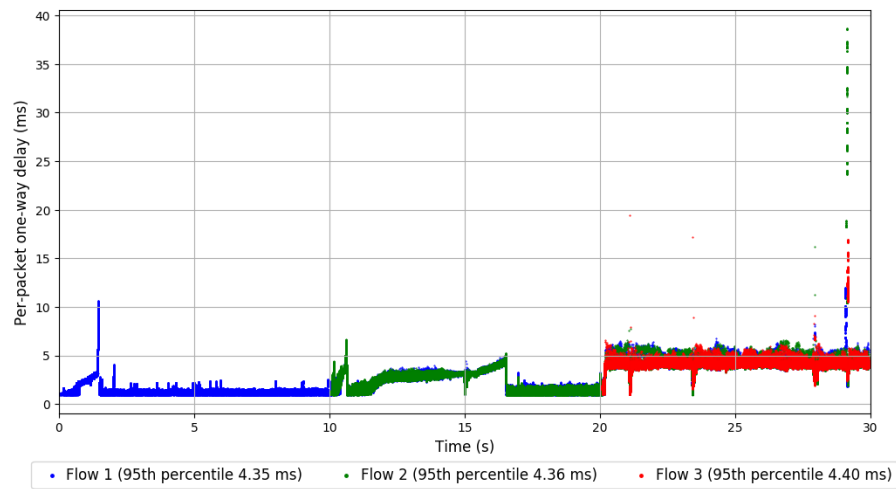
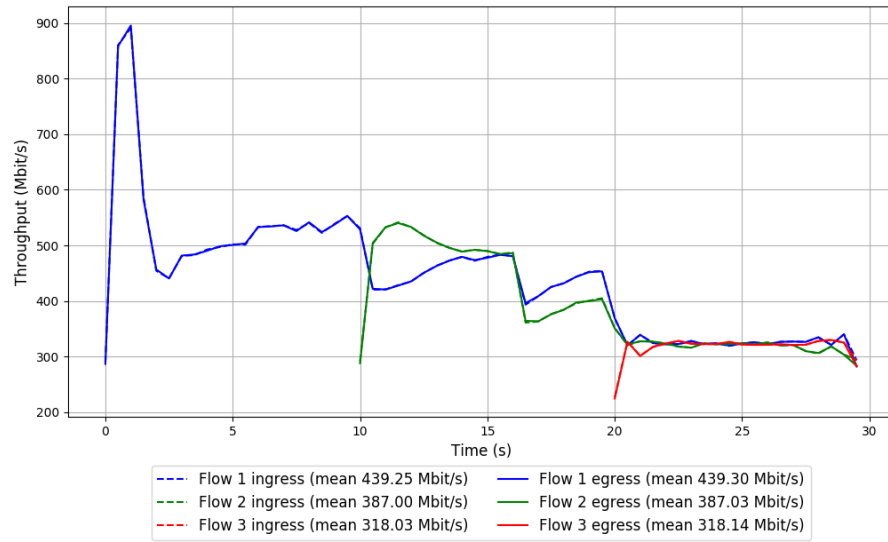


Run 8: Statistics of TCP Cubic

Start at: 2017-09-21 22:06:35
End at: 2017-09-21 22:07:05
Local clock offset: 0.357 ms
Remote clock offset: -1.129 ms

Below is generated by plot.py at 2017-09-22 02:57:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 802.18 Mbit/s
95th percentile per-packet one-way delay: 4.366 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 439.30 Mbit/s
95th percentile per-packet one-way delay: 4.351 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 387.03 Mbit/s
95th percentile per-packet one-way delay: 4.360 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.14 Mbit/s
95th percentile per-packet one-way delay: 4.404 ms
Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link

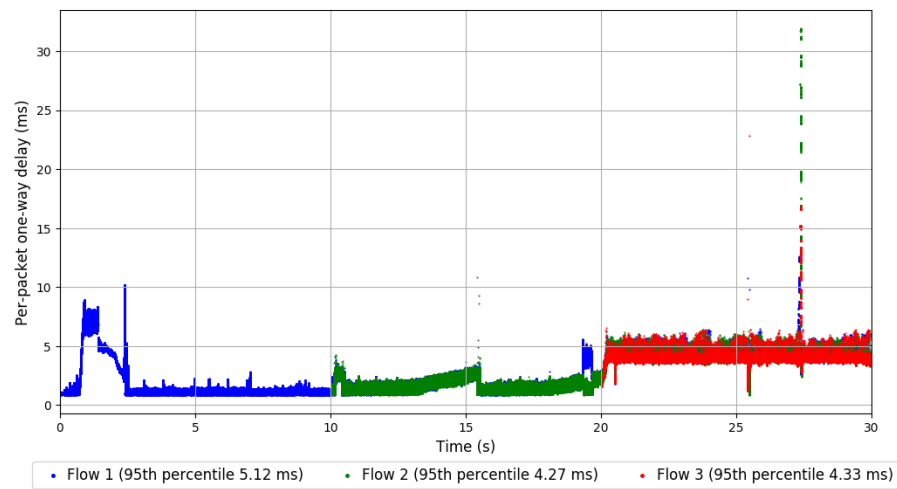
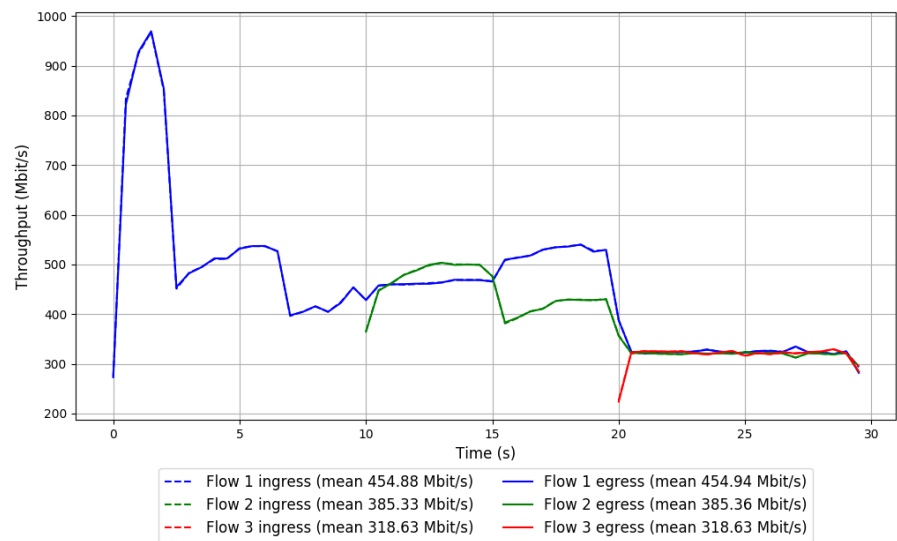


Run 9: Statistics of TCP Cubic

Start at: 2017-09-21 22:27:14
End at: 2017-09-21 22:27:44
Local clock offset: 0.342 ms
Remote clock offset: -1.071 ms

Below is generated by plot.py at 2017-09-22 02:57:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 817.01 Mbit/s
95th percentile per-packet one-way delay: 4.569 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 454.94 Mbit/s
95th percentile per-packet one-way delay: 5.120 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 385.36 Mbit/s
95th percentile per-packet one-way delay: 4.270 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.63 Mbit/s
95th percentile per-packet one-way delay: 4.326 ms
Loss rate: 0.21%

Run 9: Report of TCP Cubic — Data Link

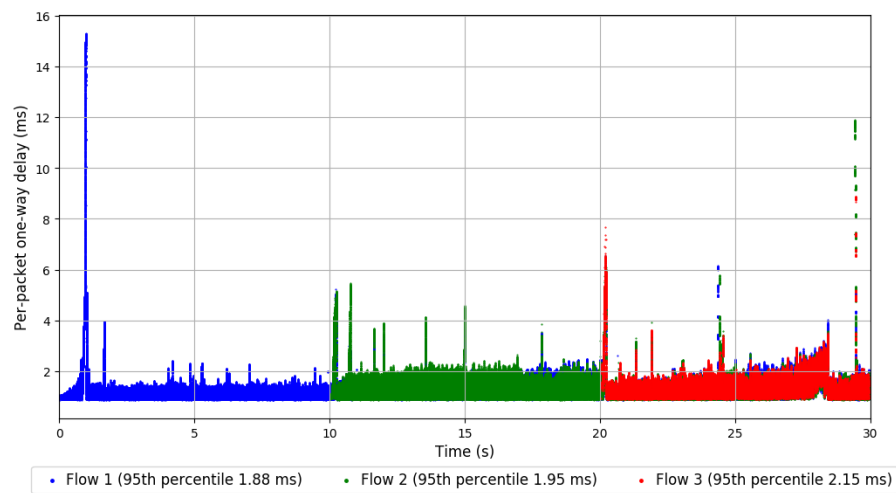
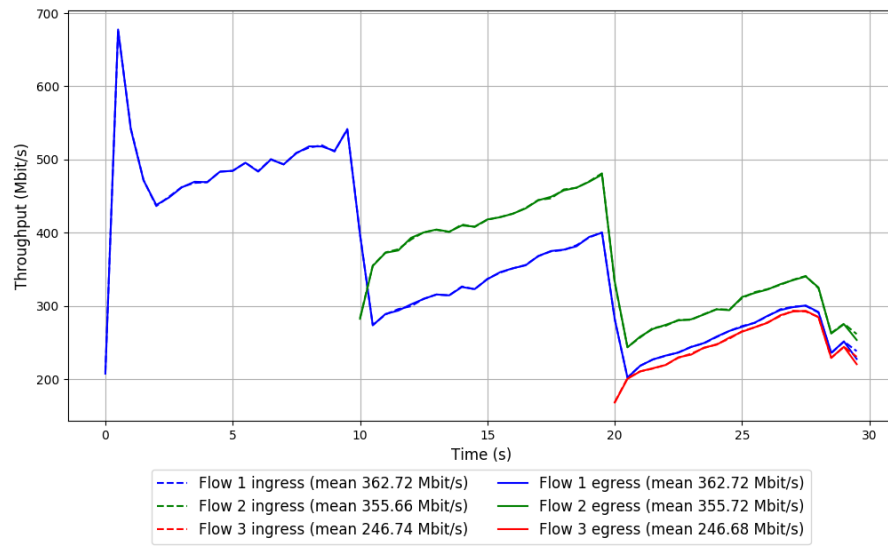


Run 10: Statistics of TCP Cubic

Start at: 2017-09-21 22:47:49
End at: 2017-09-21 22:48:19
Local clock offset: 0.234 ms
Remote clock offset: -1.112 ms

Below is generated by plot.py at 2017-09-22 02:57:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 681.03 Mbit/s
95th percentile per-packet one-way delay: 1.955 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 362.72 Mbit/s
95th percentile per-packet one-way delay: 1.881 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 355.72 Mbit/s
95th percentile per-packet one-way delay: 1.952 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 246.68 Mbit/s
95th percentile per-packet one-way delay: 2.146 ms
Loss rate: 0.22%

Run 10: Report of TCP Cubic — Data Link

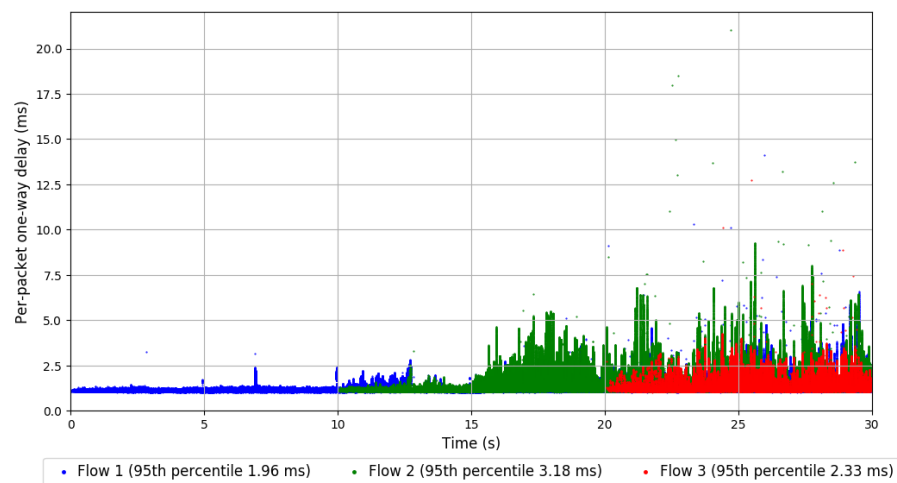
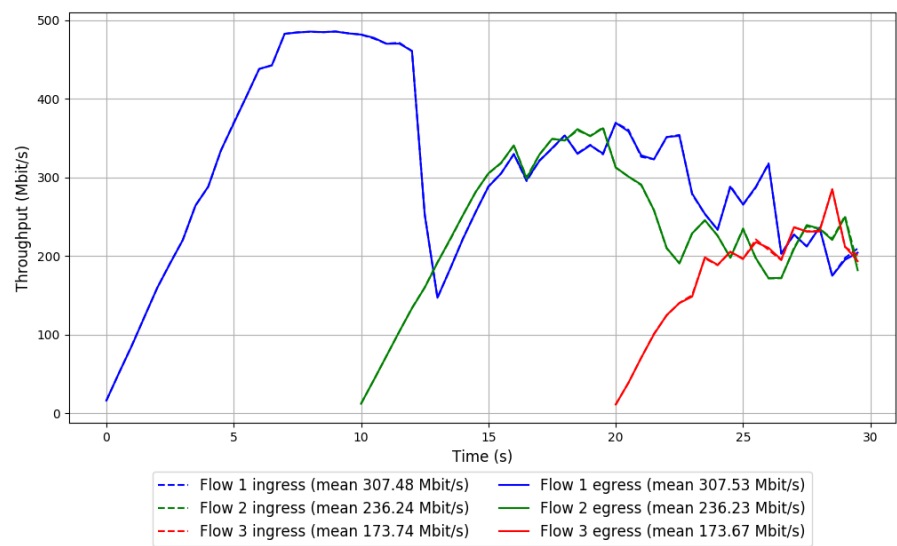


Run 1: Statistics of LEDBAT

Start at: 2017-09-21 19:30:40
End at: 2017-09-21 19:31:10
Local clock offset: -0.534 ms
Remote clock offset: -2.331 ms

Below is generated by plot.py at 2017-09-22 02:57:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.04 Mbit/s
95th percentile per-packet one-way delay: 2.459 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 307.53 Mbit/s
95th percentile per-packet one-way delay: 1.964 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 236.23 Mbit/s
95th percentile per-packet one-way delay: 3.178 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 173.67 Mbit/s
95th percentile per-packet one-way delay: 2.326 ms
Loss rate: 0.23%

Run 1: Report of LEDBAT — Data Link

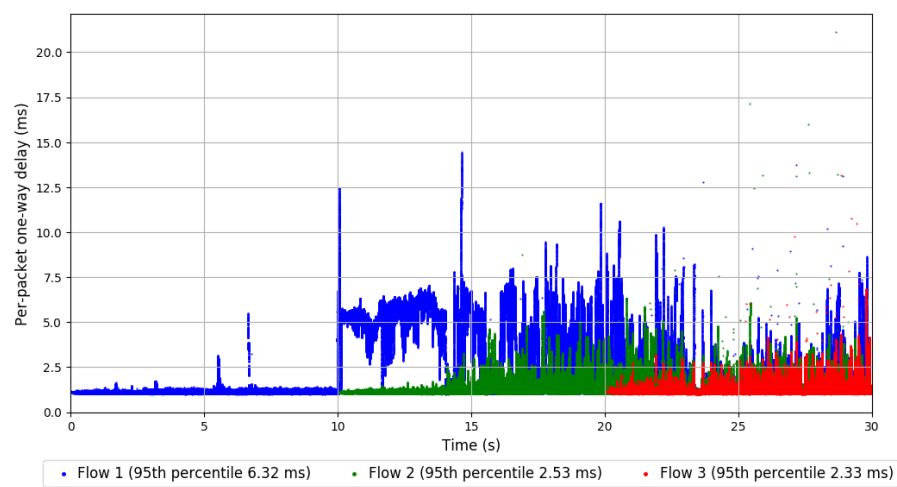
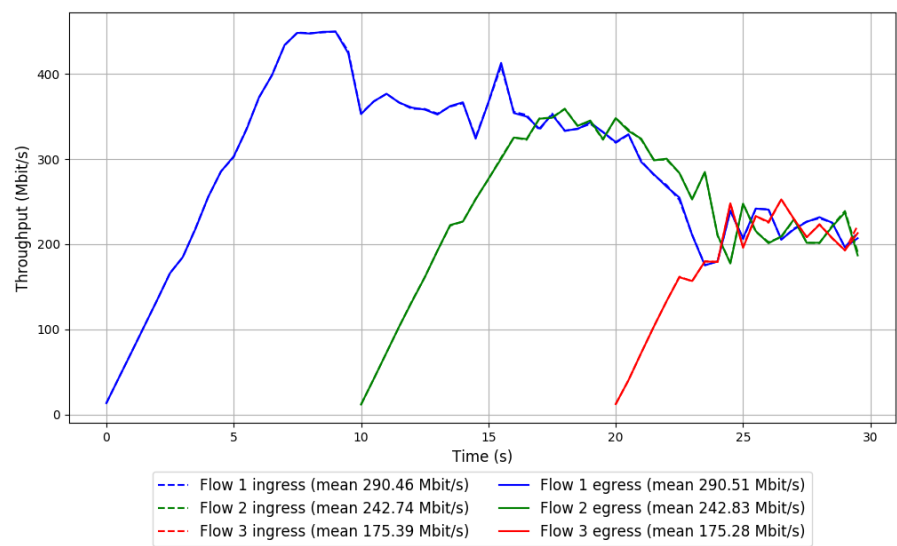


Run 2: Statistics of LEDBAT

Start at: 2017-09-21 19:51:23
End at: 2017-09-21 19:51:53
Local clock offset: -0.367 ms
Remote clock offset: -1.672 ms

Below is generated by plot.py at 2017-09-22 02:57:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 509.92 Mbit/s
95th percentile per-packet one-way delay: 5.972 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 290.51 Mbit/s
95th percentile per-packet one-way delay: 6.324 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 242.83 Mbit/s
95th percentile per-packet one-way delay: 2.528 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 175.28 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 0.26%

Run 2: Report of LEDBAT — Data Link

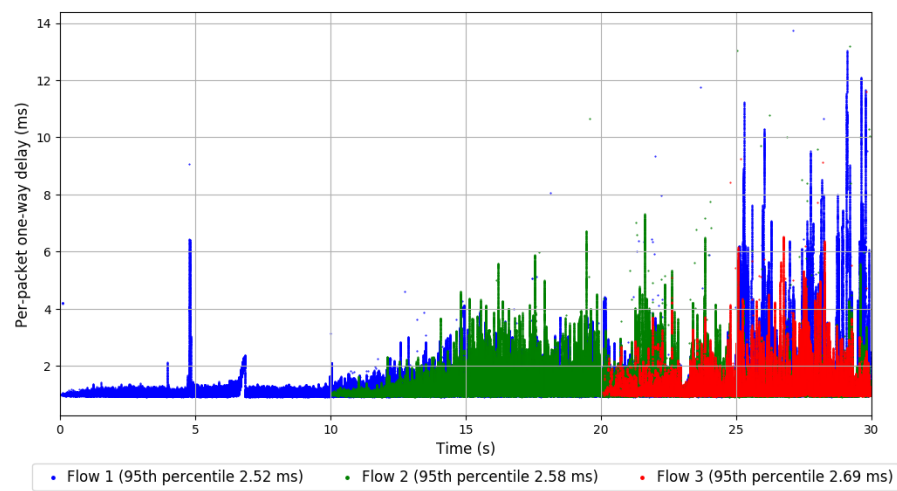
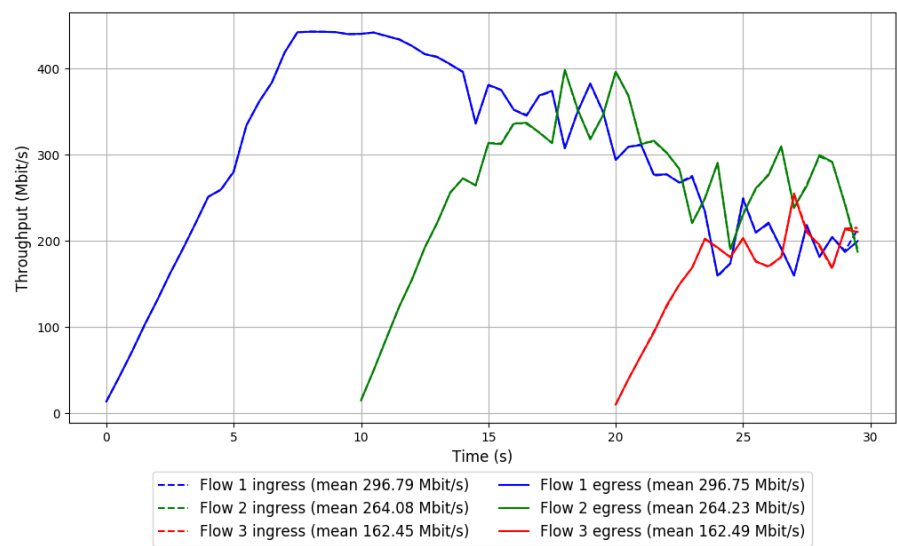


Run 3: Statistics of LEDBAT

Start at: 2017-09-21 20:11:52
End at: 2017-09-21 20:12:22
Local clock offset: -0.079 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2017-09-22 02:57:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 526.08 Mbit/s
95th percentile per-packet one-way delay: 2.567 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 296.75 Mbit/s
95th percentile per-packet one-way delay: 2.520 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 264.23 Mbit/s
95th percentile per-packet one-way delay: 2.582 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 162.49 Mbit/s
95th percentile per-packet one-way delay: 2.693 ms
Loss rate: 0.19%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-09-21 20:32:34

End at: 2017-09-21 20:33:04

Local clock offset: 0.025 ms

Remote clock offset: -1.06 ms

Below is generated by plot.py at 2017-09-22 02:57:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 519.43 Mbit/s

95th percentile per-packet one-way delay: 6.006 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 302.49 Mbit/s

95th percentile per-packet one-way delay: 6.300 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 233.19 Mbit/s

95th percentile per-packet one-way delay: 2.235 ms

Loss rate: 0.06%

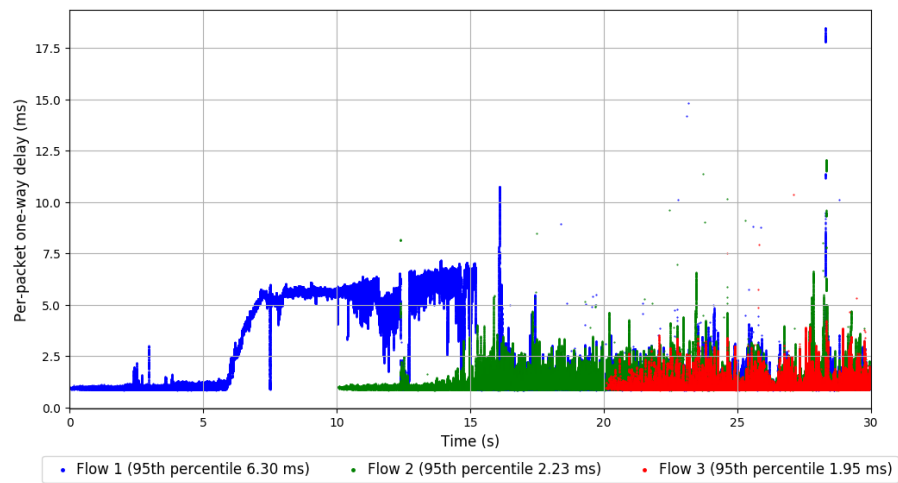
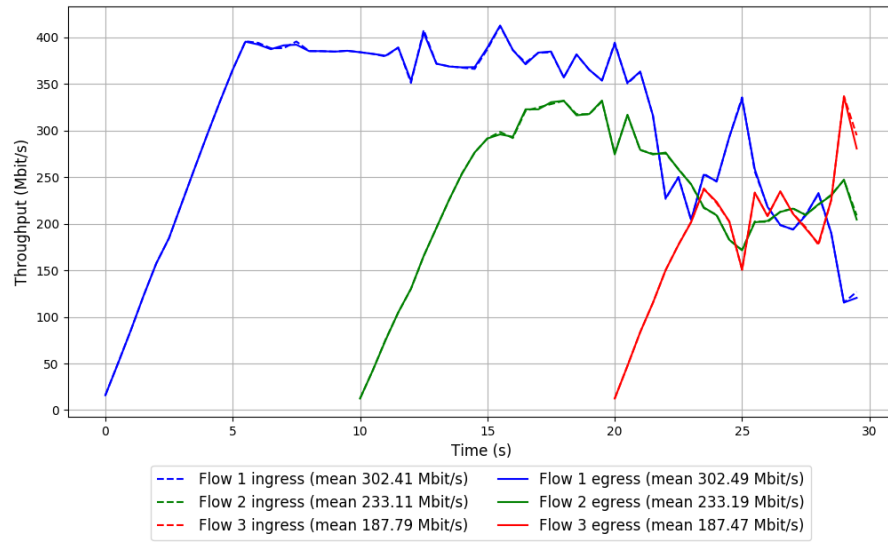
-- Flow 3:

Average throughput: 187.47 Mbit/s

95th percentile per-packet one-way delay: 1.953 ms

Loss rate: 0.40%

Run 4: Report of LEDBAT — Data Link

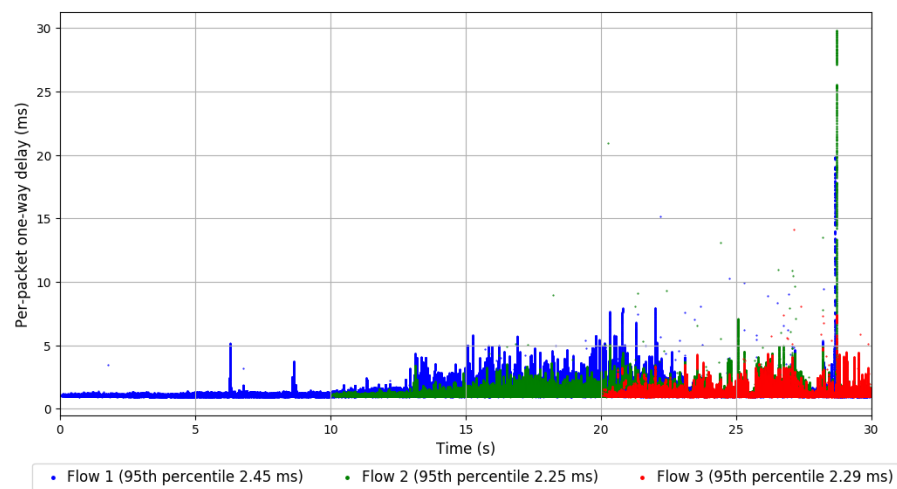
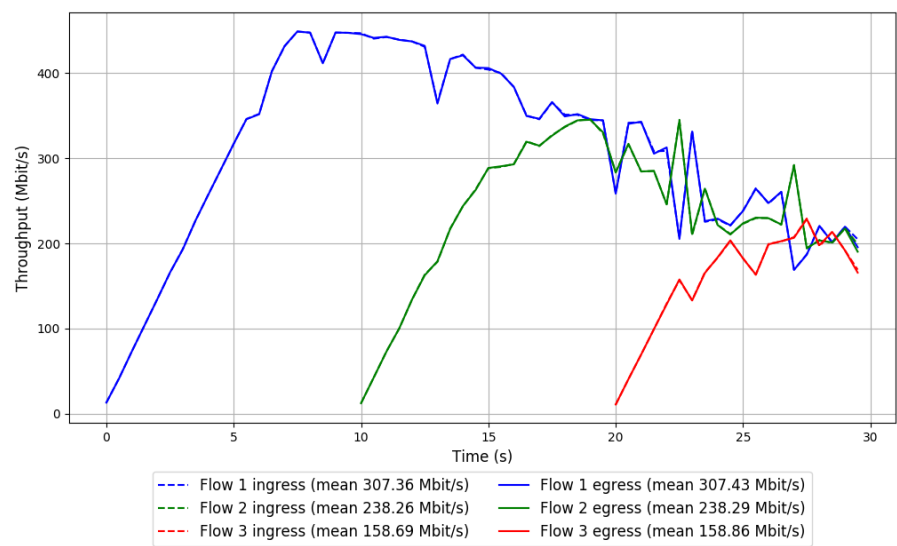


Run 5: Statistics of LEDBAT

Start at: 2017-09-21 20:53:17
End at: 2017-09-21 20:53:47
Local clock offset: 0.188 ms
Remote clock offset: -1.253 ms

Below is generated by plot.py at 2017-09-22 03:01:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 518.33 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 307.43 Mbit/s
95th percentile per-packet one-way delay: 2.451 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 238.29 Mbit/s
95th percentile per-packet one-way delay: 2.253 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 158.86 Mbit/s
95th percentile per-packet one-way delay: 2.295 ms
Loss rate: 0.11%

Run 5: Report of LEDBAT — Data Link

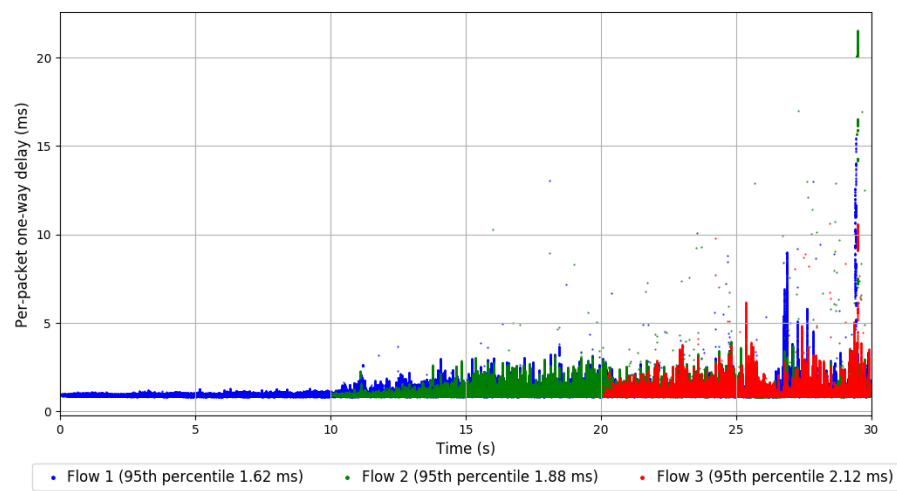
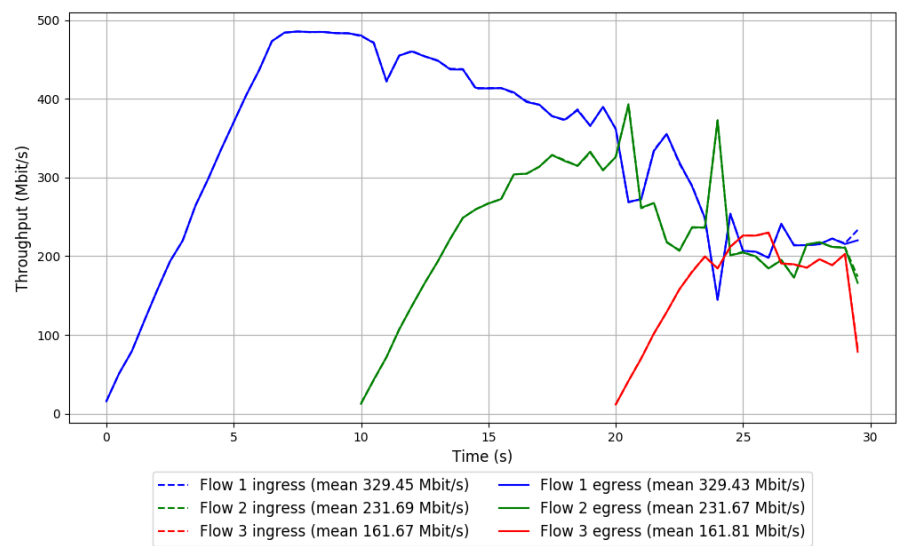


Run 6: Statistics of LEDBAT

Start at: 2017-09-21 21:13:56
End at: 2017-09-21 21:14:26
Local clock offset: 0.324 ms
Remote clock offset: -1.198 ms

Below is generated by plot.py at 2017-09-22 03:02:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 536.98 Mbit/s
95th percentile per-packet one-way delay: 1.761 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 329.43 Mbit/s
95th percentile per-packet one-way delay: 1.618 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 231.67 Mbit/s
95th percentile per-packet one-way delay: 1.877 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 161.81 Mbit/s
95th percentile per-packet one-way delay: 2.125 ms
Loss rate: 0.12%

Run 6: Report of LEDBAT — Data Link

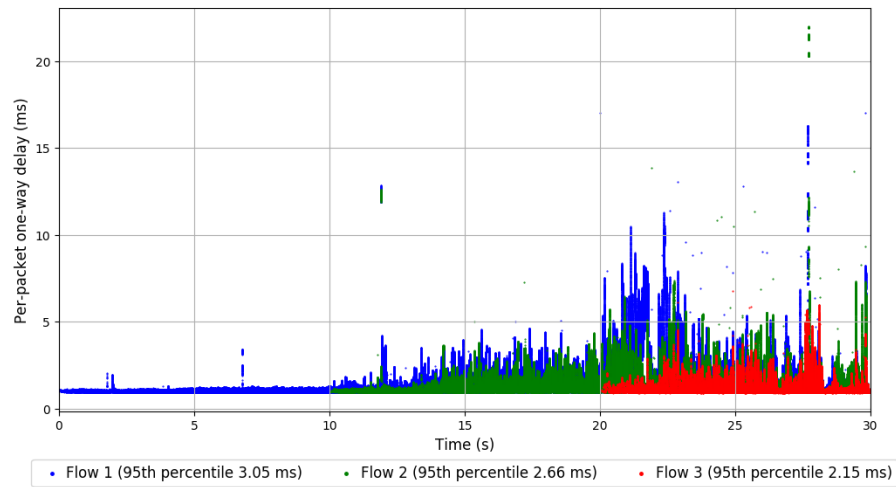
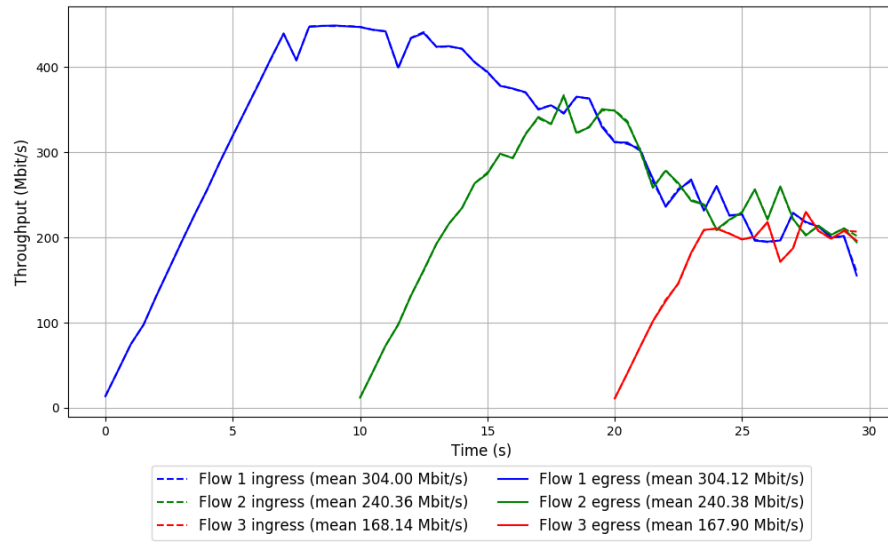


Run 7: Statistics of LEDBAT

Start at: 2017-09-21 21:34:35
End at: 2017-09-21 21:35:05
Local clock offset: 0.456 ms
Remote clock offset: -1.221 ms

Below is generated by plot.py at 2017-09-22 03:02:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 519.44 Mbit/s
95th percentile per-packet one-way delay: 2.788 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 304.12 Mbit/s
95th percentile per-packet one-way delay: 3.050 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 240.38 Mbit/s
95th percentile per-packet one-way delay: 2.663 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 167.90 Mbit/s
95th percentile per-packet one-way delay: 2.148 ms
Loss rate: 0.33%

Run 7: Report of LEDBAT — Data Link

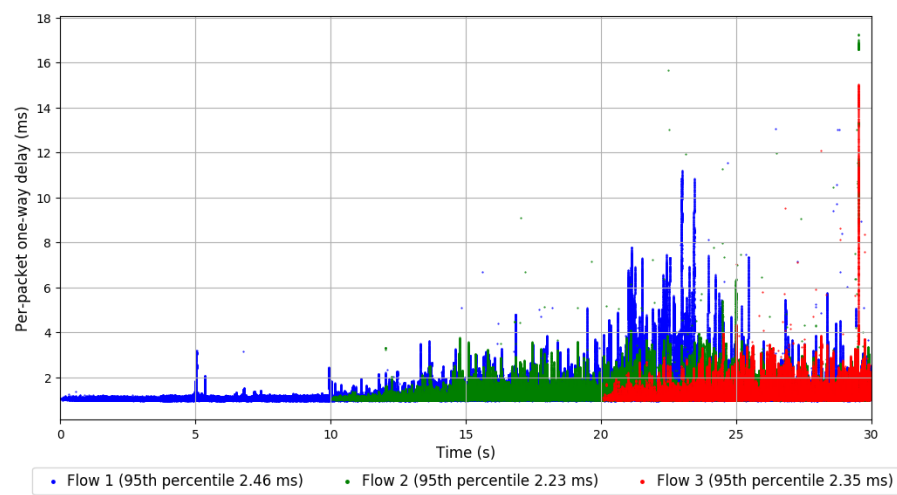
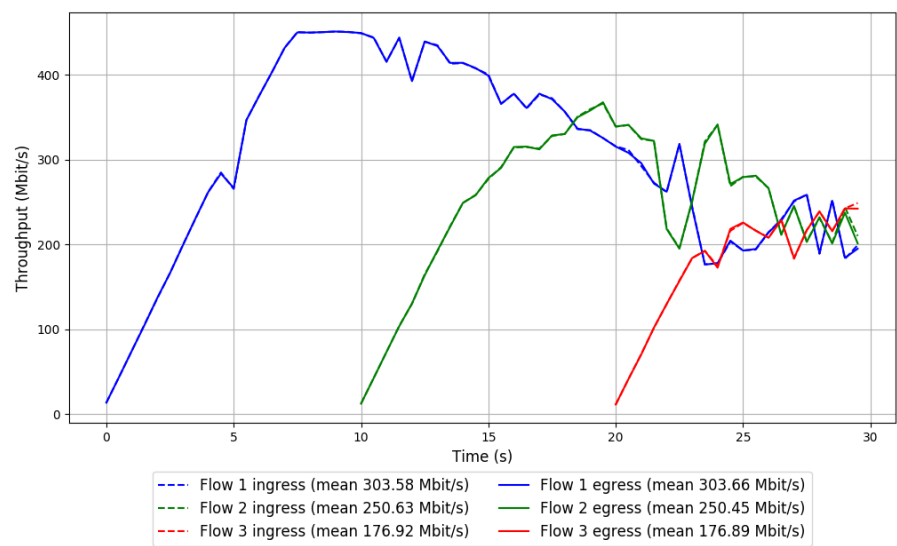


Run 8: Statistics of LEDBAT

Start at: 2017-09-21 21:55:25
End at: 2017-09-21 21:55:55
Local clock offset: 0.378 ms
Remote clock offset: -1.161 ms

Below is generated by plot.py at 2017-09-22 03:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.63 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 303.66 Mbit/s
95th percentile per-packet one-way delay: 2.455 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 250.45 Mbit/s
95th percentile per-packet one-way delay: 2.232 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 176.89 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.19%

Run 8: Report of LEDBAT — Data Link

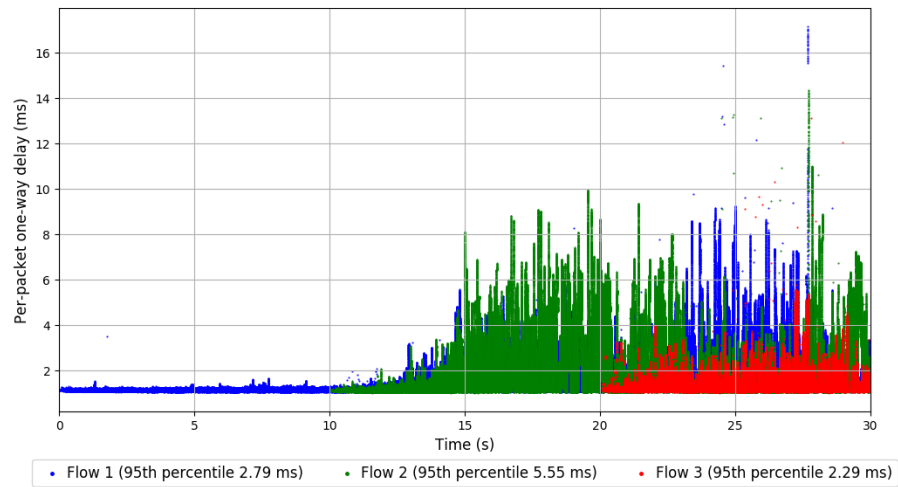
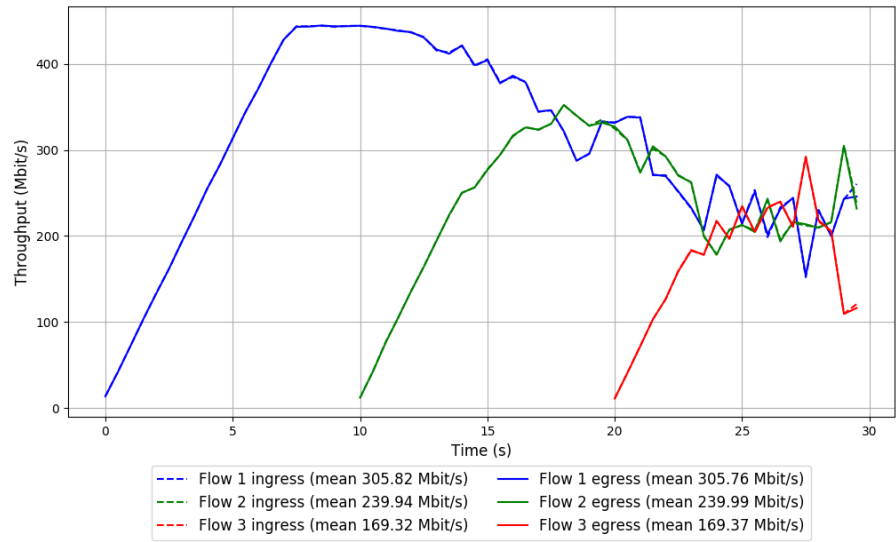


Run 9: Statistics of LEDBAT

Start at: 2017-09-21 22:16:06
End at: 2017-09-21 22:16:36
Local clock offset: 0.443 ms
Remote clock offset: -1.183 ms

Below is generated by plot.py at 2017-09-22 03:03:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 521.30 Mbit/s
95th percentile per-packet one-way delay: 4.113 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 305.76 Mbit/s
95th percentile per-packet one-way delay: 2.786 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 239.99 Mbit/s
95th percentile per-packet one-way delay: 5.552 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 169.37 Mbit/s
95th percentile per-packet one-way delay: 2.290 ms
Loss rate: 0.15%

Run 9: Report of LEDBAT — Data Link

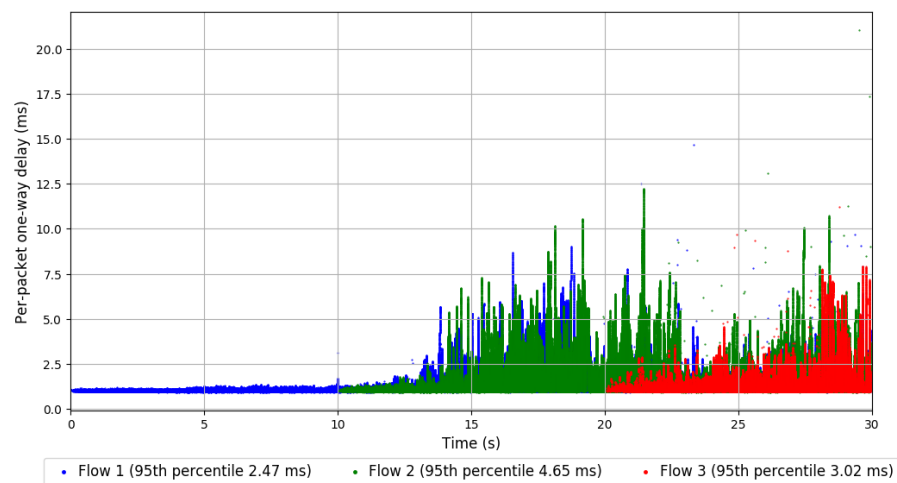
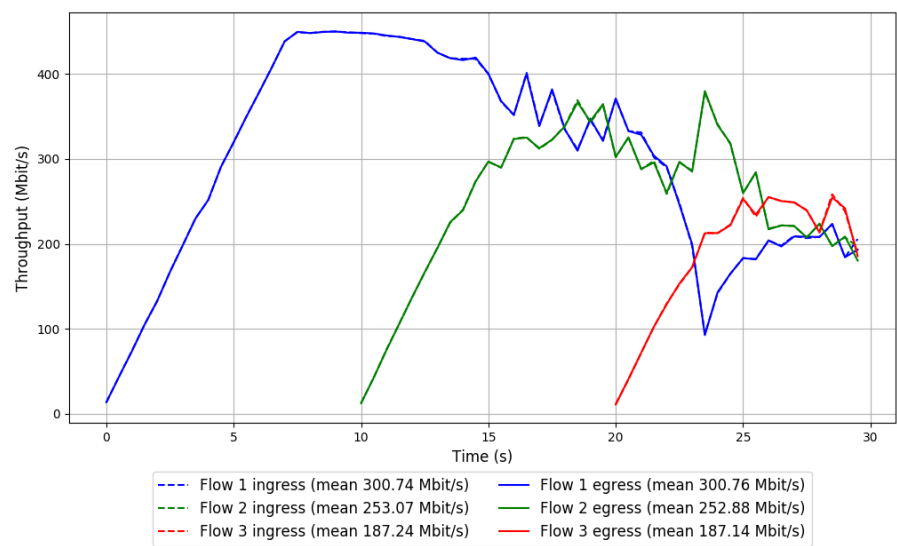


Run 10: Statistics of LEDBAT

Start at: 2017-09-21 22:36:40
End at: 2017-09-21 22:37:10
Local clock offset: 0.384 ms
Remote clock offset: -1.055 ms

Below is generated by plot.py at 2017-09-22 03:04:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 530.77 Mbit/s
95th percentile per-packet one-way delay: 3.427 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 300.76 Mbit/s
95th percentile per-packet one-way delay: 2.472 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 252.88 Mbit/s
95th percentile per-packet one-way delay: 4.652 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 187.14 Mbit/s
95th percentile per-packet one-way delay: 3.017 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

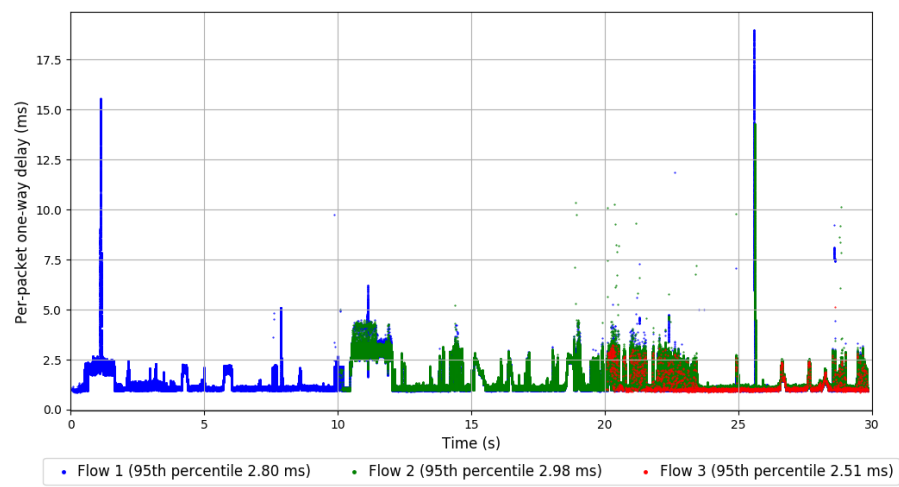
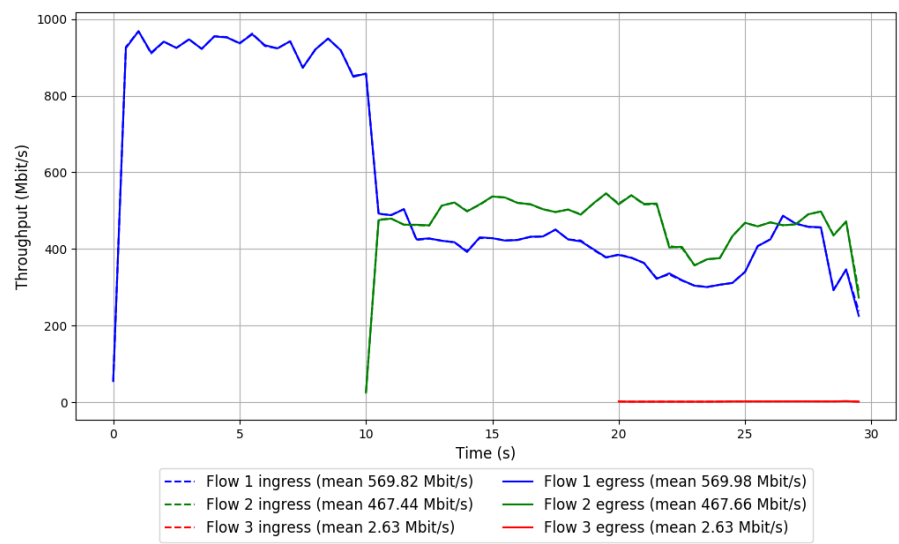


Run 1: Statistics of PCC

Start at: 2017-09-21 19:35:33
End at: 2017-09-21 19:36:03
Local clock offset: -0.659 ms
Remote clock offset: -2.236 ms

Below is generated by plot.py at 2017-09-22 03:09:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 881.26 Mbit/s
95th percentile per-packet one-way delay: 2.889 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 569.98 Mbit/s
95th percentile per-packet one-way delay: 2.796 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 467.66 Mbit/s
95th percentile per-packet one-way delay: 2.976 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 2.509 ms
Loss rate: 0.24%

Run 1: Report of PCC — Data Link

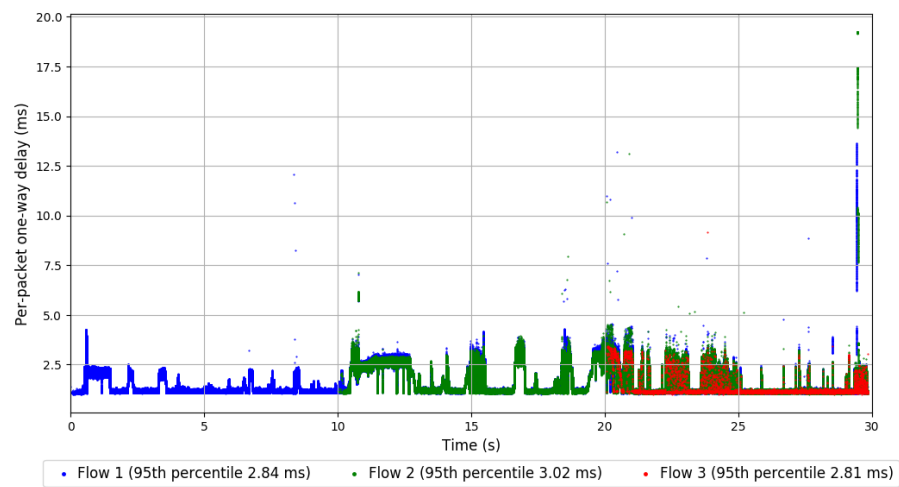
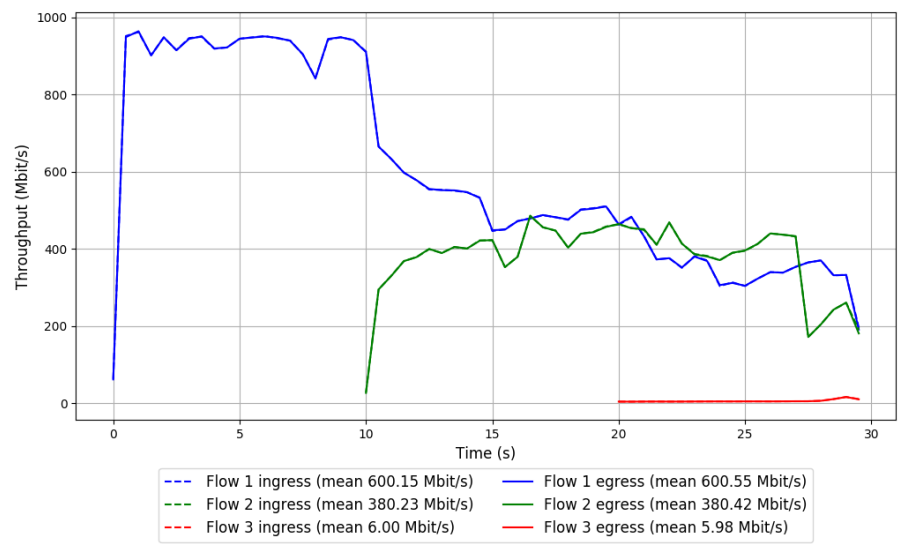


Run 2: Statistics of PCC

Start at: 2017-09-21 19:56:13
End at: 2017-09-21 19:56:43
Local clock offset: -0.257 ms
Remote clock offset: -1.529 ms

Below is generated by plot.py at 2017-09-22 03:09:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 855.15 Mbit/s
95th percentile per-packet one-way delay: 2.942 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 600.55 Mbit/s
95th percentile per-packet one-way delay: 2.844 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 380.42 Mbit/s
95th percentile per-packet one-way delay: 3.023 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 2.806 ms
Loss rate: 0.56%

Run 2: Report of PCC — Data Link

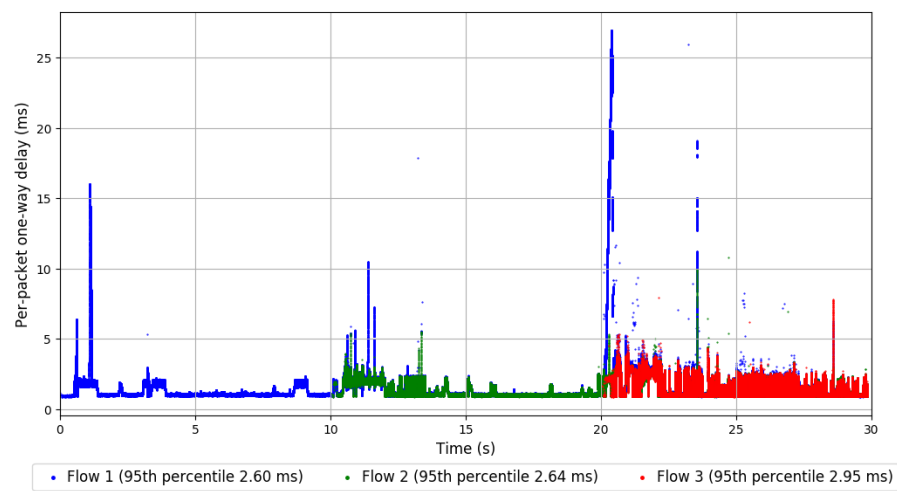
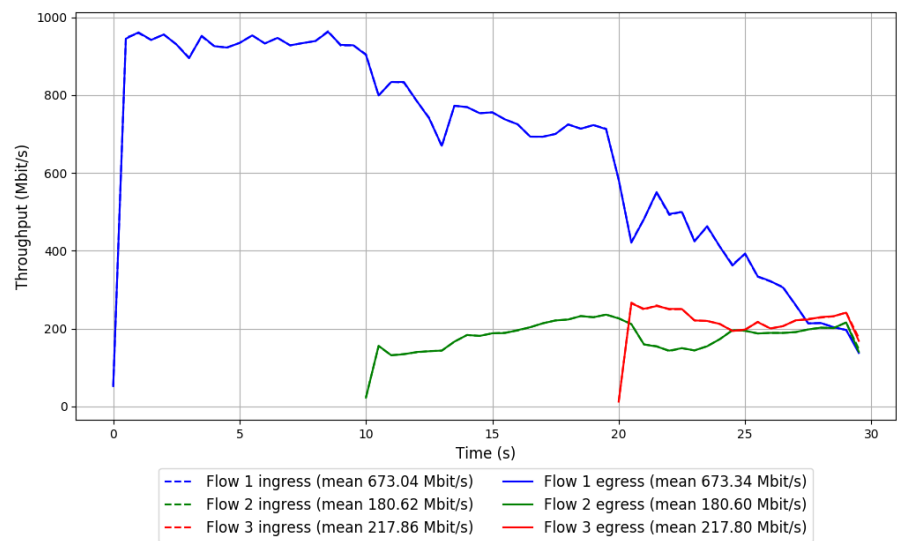


Run 3: Statistics of PCC

Start at: 2017-09-21 20:16:48
End at: 2017-09-21 20:17:18
Local clock offset: -0.032 ms
Remote clock offset: -0.968 ms

Below is generated by plot.py at 2017-09-22 03:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 864.63 Mbit/s
95th percentile per-packet one-way delay: 2.692 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 673.34 Mbit/s
95th percentile per-packet one-way delay: 2.603 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 180.60 Mbit/s
95th percentile per-packet one-way delay: 2.637 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 217.80 Mbit/s
95th percentile per-packet one-way delay: 2.947 ms
Loss rate: 0.20%

Run 3: Report of PCC — Data Link

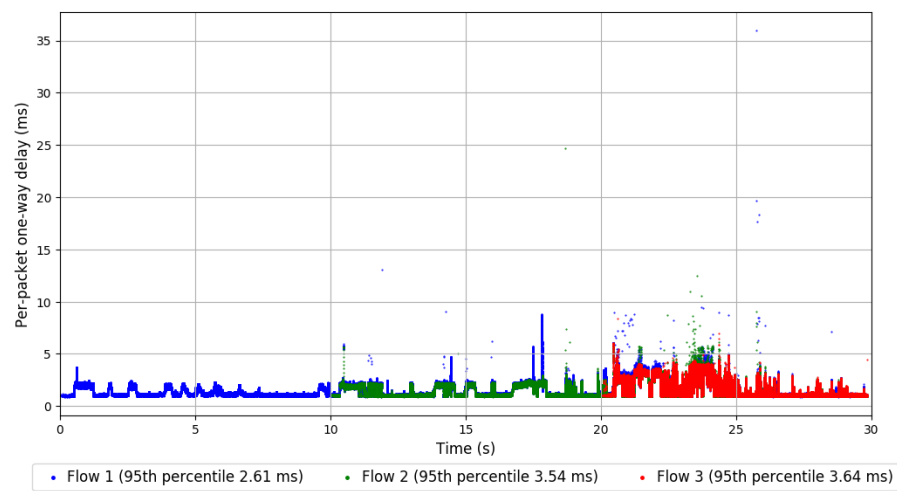
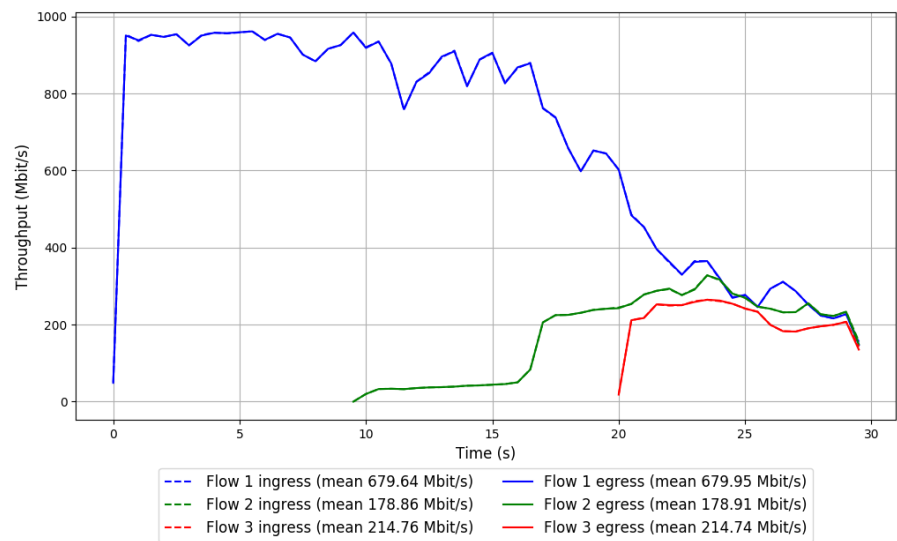


Run 4: Statistics of PCC

Start at: 2017-09-21 20:37:26
End at: 2017-09-21 20:37:56
Local clock offset: 0.027 ms
Remote clock offset: -1.233 ms

Below is generated by plot.py at 2017-09-22 03:15:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 869.33 Mbit/s
95th percentile per-packet one-way delay: 3.232 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 679.95 Mbit/s
95th percentile per-packet one-way delay: 2.607 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 178.91 Mbit/s
95th percentile per-packet one-way delay: 3.542 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 214.74 Mbit/s
95th percentile per-packet one-way delay: 3.640 ms
Loss rate: 0.17%

Run 4: Report of PCC — Data Link

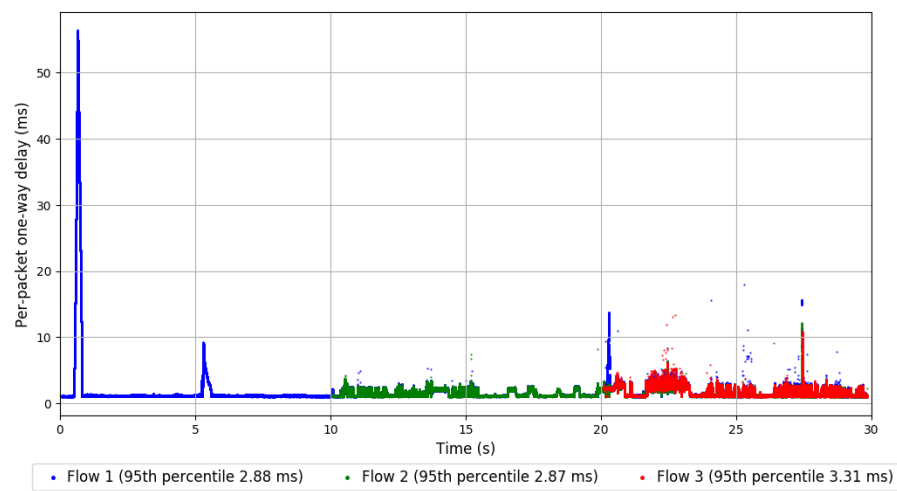
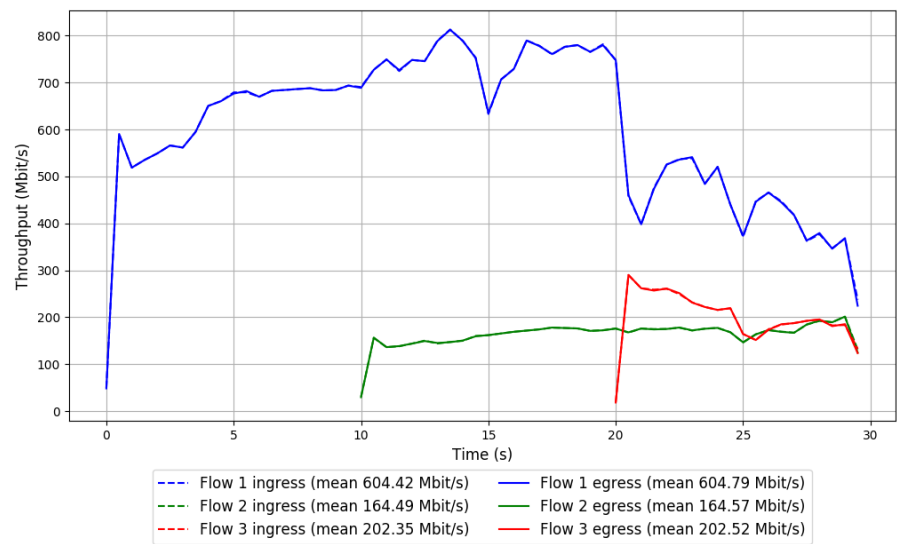


Run 5: Statistics of PCC

Start at: 2017-09-21 20:58:07
End at: 2017-09-21 20:58:37
Local clock offset: 0.251 ms
Remote clock offset: -1.279 ms

Below is generated by plot.py at 2017-09-22 03:15:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 780.55 Mbit/s
95th percentile per-packet one-way delay: 2.945 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 604.79 Mbit/s
95th percentile per-packet one-way delay: 2.878 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 164.57 Mbit/s
95th percentile per-packet one-way delay: 2.874 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 202.52 Mbit/s
95th percentile per-packet one-way delay: 3.311 ms
Loss rate: 0.23%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-21 21:18:48

End at: 2017-09-21 21:19:18

Local clock offset: 0.387 ms

Remote clock offset: -1.21 ms

Below is generated by plot.py at 2017-09-22 03:15:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 840.01 Mbit/s

95th percentile per-packet one-way delay: 2.777 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 648.17 Mbit/s

95th percentile per-packet one-way delay: 2.829 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 159.04 Mbit/s

95th percentile per-packet one-way delay: 2.653 ms

Loss rate: 0.15%

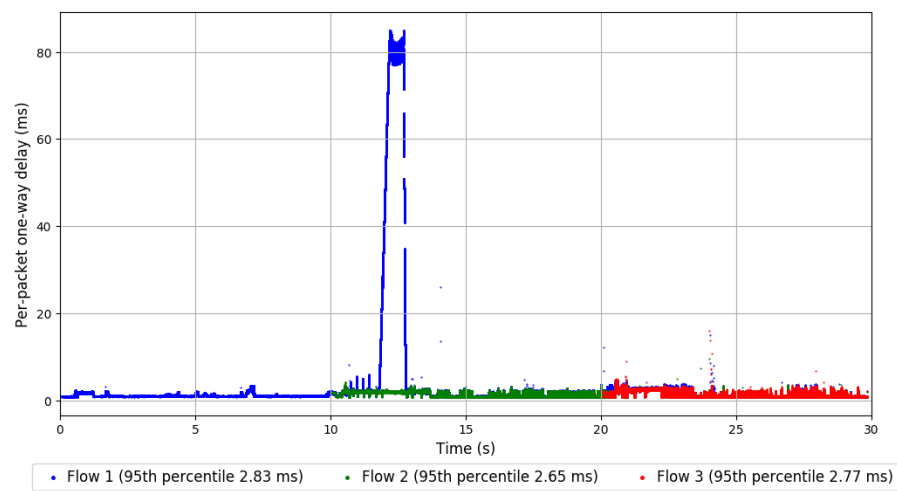
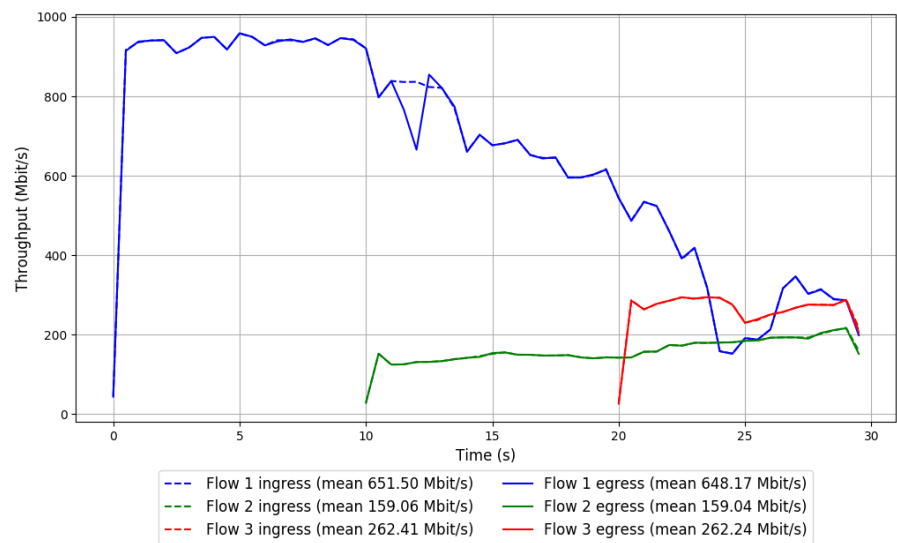
-- Flow 3:

Average throughput: 262.24 Mbit/s

95th percentile per-packet one-way delay: 2.769 ms

Loss rate: 0.26%

Run 6: Report of PCC — Data Link

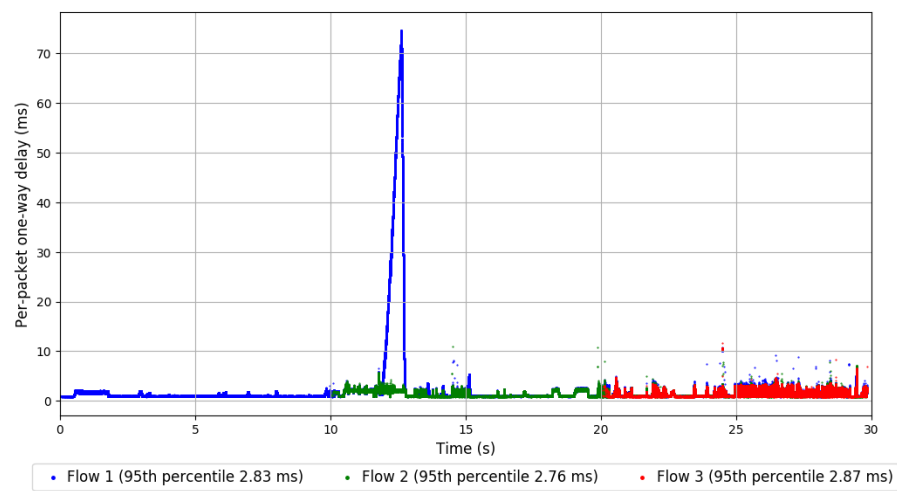
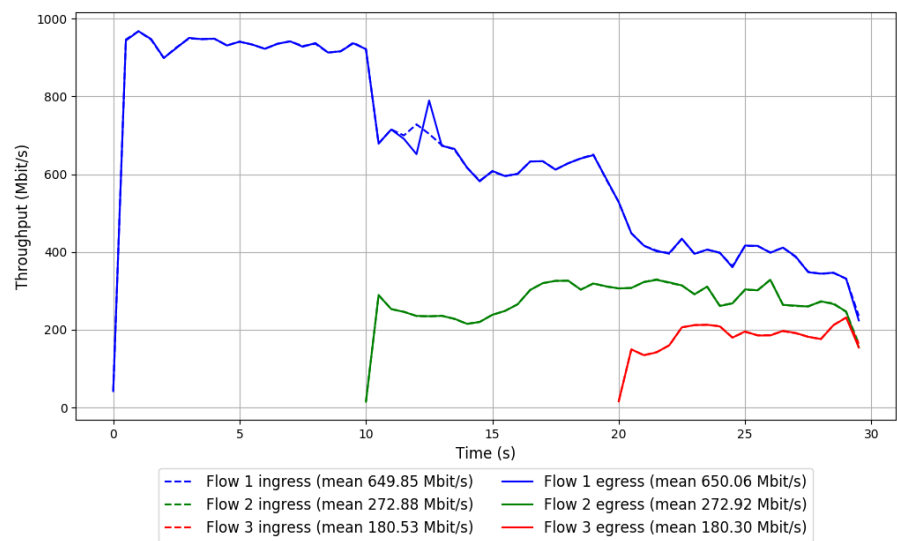


Run 7: Statistics of PCC

Start at: 2017-09-21 21:39:27
End at: 2017-09-21 21:39:57
Local clock offset: 0.431 ms
Remote clock offset: -1.076 ms

Below is generated by plot.py at 2017-09-22 03:16:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 890.29 Mbit/s
95th percentile per-packet one-way delay: 2.810 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 650.06 Mbit/s
95th percentile per-packet one-way delay: 2.828 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 272.92 Mbit/s
95th percentile per-packet one-way delay: 2.757 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 180.30 Mbit/s
95th percentile per-packet one-way delay: 2.868 ms
Loss rate: 0.29%

Run 7: Report of PCC — Data Link

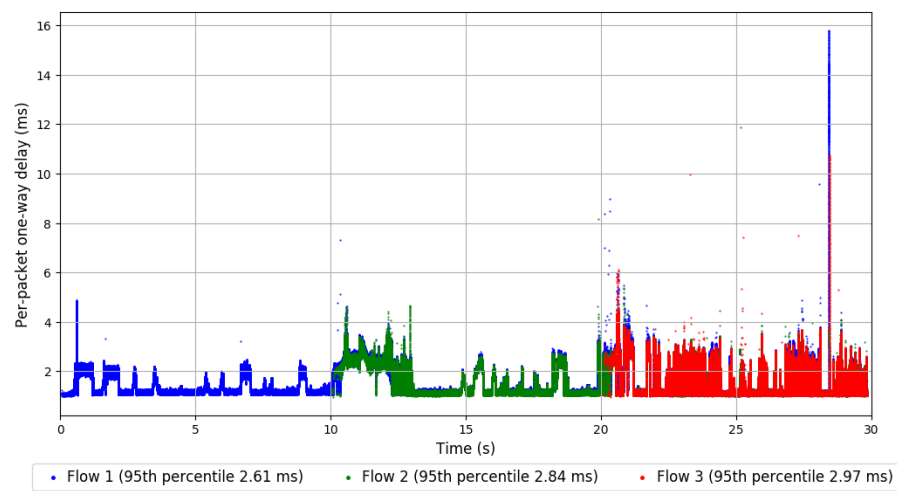
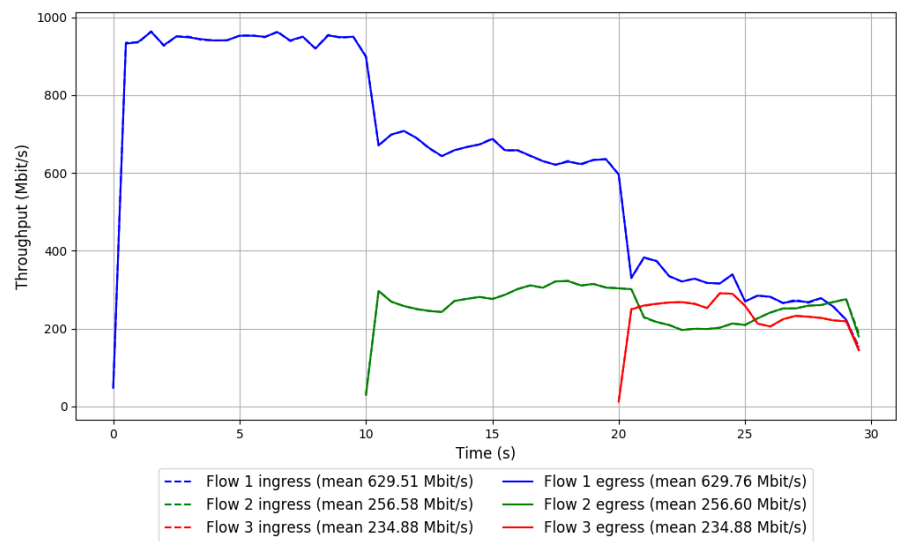


Run 8: Statistics of PCC

Start at: 2017-09-21 22:00:20
End at: 2017-09-21 22:00:50
Local clock offset: 0.439 ms
Remote clock offset: -1.127 ms

Below is generated by plot.py at 2017-09-22 03:17:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 877.12 Mbit/s
95th percentile per-packet one-way delay: 2.662 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 629.76 Mbit/s
95th percentile per-packet one-way delay: 2.610 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 256.60 Mbit/s
95th percentile per-packet one-way delay: 2.844 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 234.88 Mbit/s
95th percentile per-packet one-way delay: 2.966 ms
Loss rate: 0.18%

Run 8: Report of PCC — Data Link

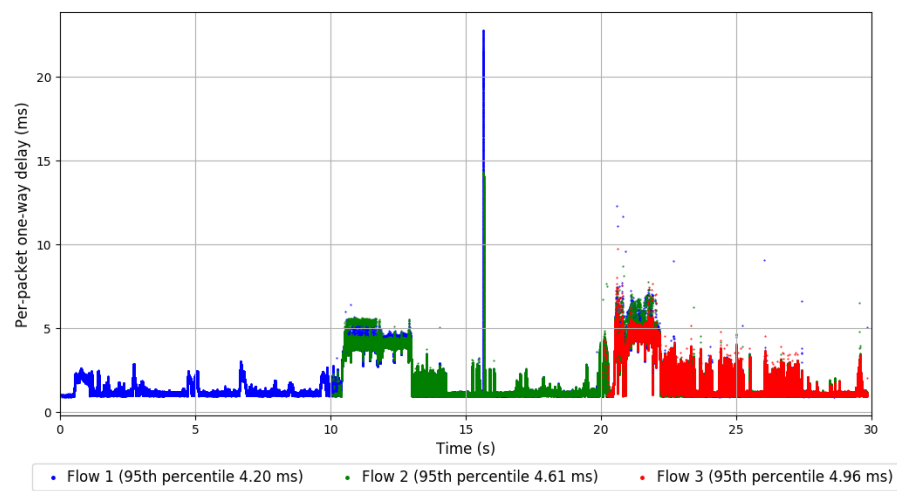
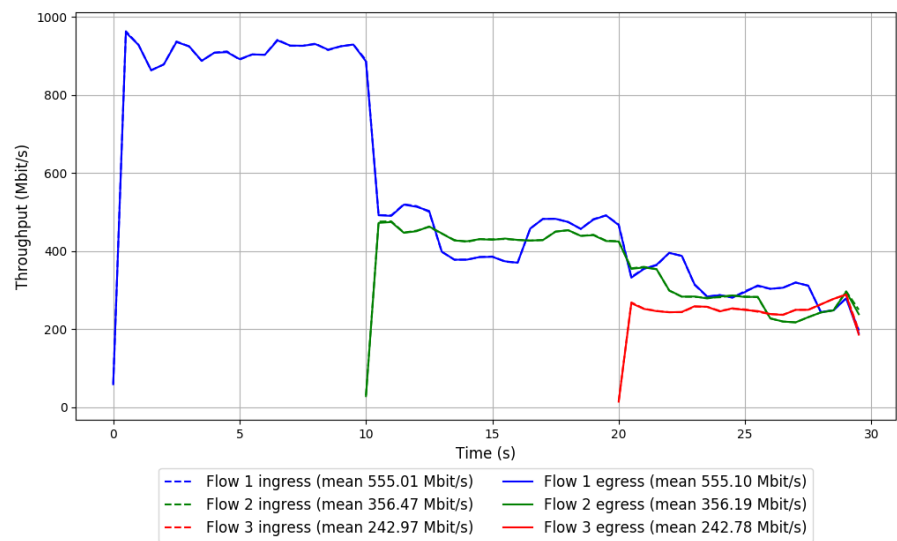


Run 9: Statistics of PCC

Start at: 2017-09-21 22:20:57
End at: 2017-09-21 22:21:27
Local clock offset: 0.362 ms
Remote clock offset: -1.164 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 871.45 Mbit/s
95th percentile per-packet one-way delay: 4.345 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 555.10 Mbit/s
95th percentile per-packet one-way delay: 4.201 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 356.19 Mbit/s
95th percentile per-packet one-way delay: 4.608 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 242.78 Mbit/s
95th percentile per-packet one-way delay: 4.965 ms
Loss rate: 0.28%

Run 9: Report of PCC — Data Link

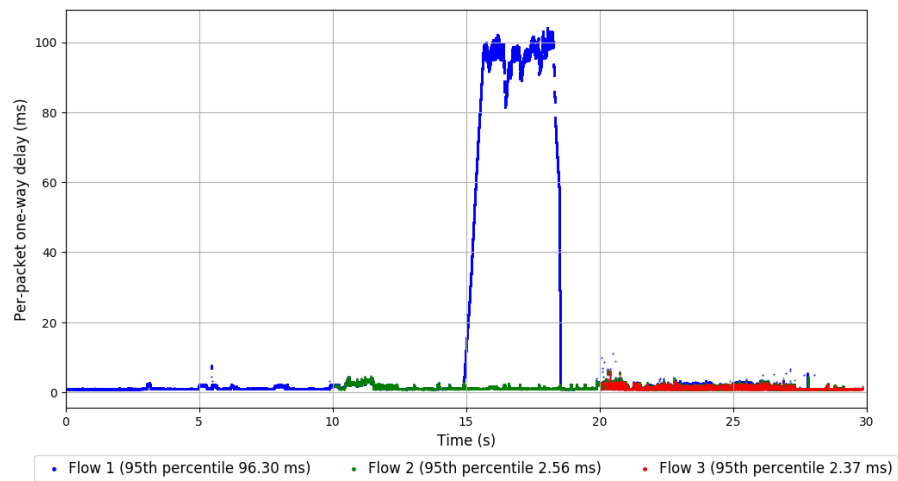
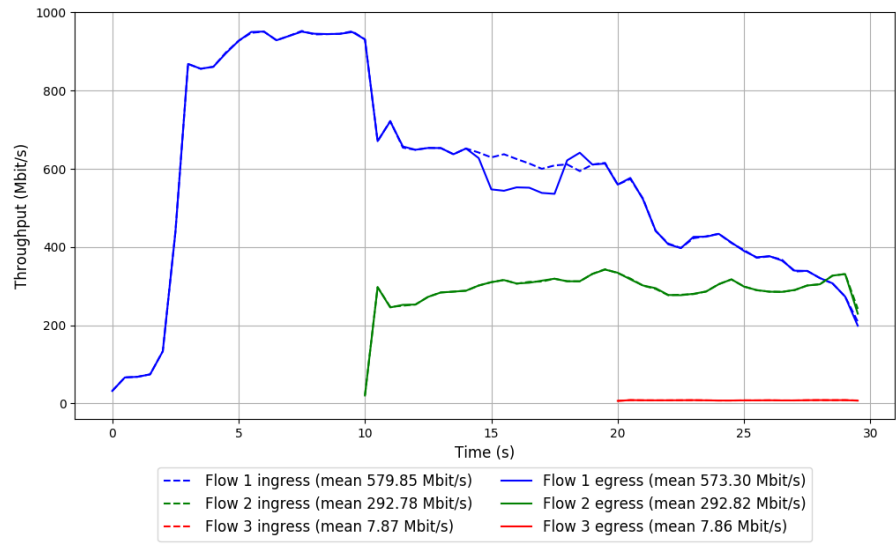


Run 10: Statistics of PCC

Start at: 2017-09-21 22:41:32
End at: 2017-09-21 22:42:02
Local clock offset: 0.266 ms
Remote clock offset: -1.059 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 770.24 Mbit/s
95th percentile per-packet one-way delay: 94.166 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 573.30 Mbit/s
95th percentile per-packet one-way delay: 96.304 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 292.82 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 2.366 ms
Loss rate: 0.28%

Run 10: Report of PCC — Data Link

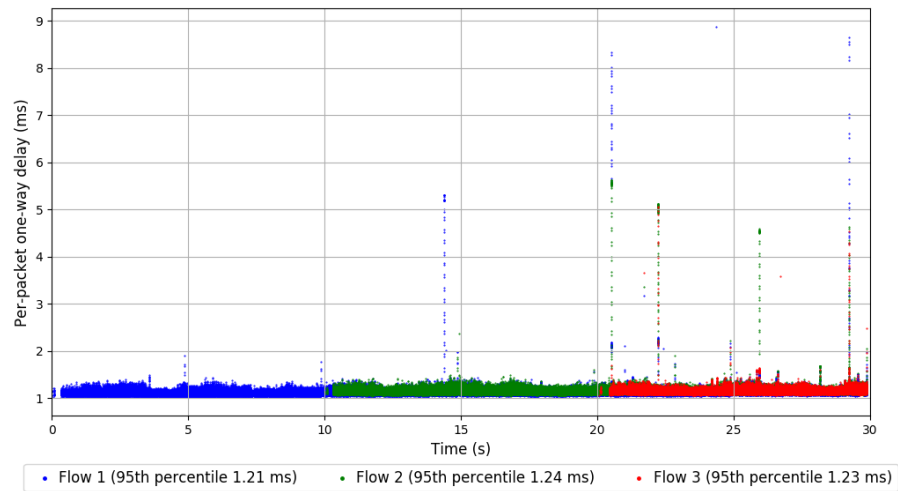
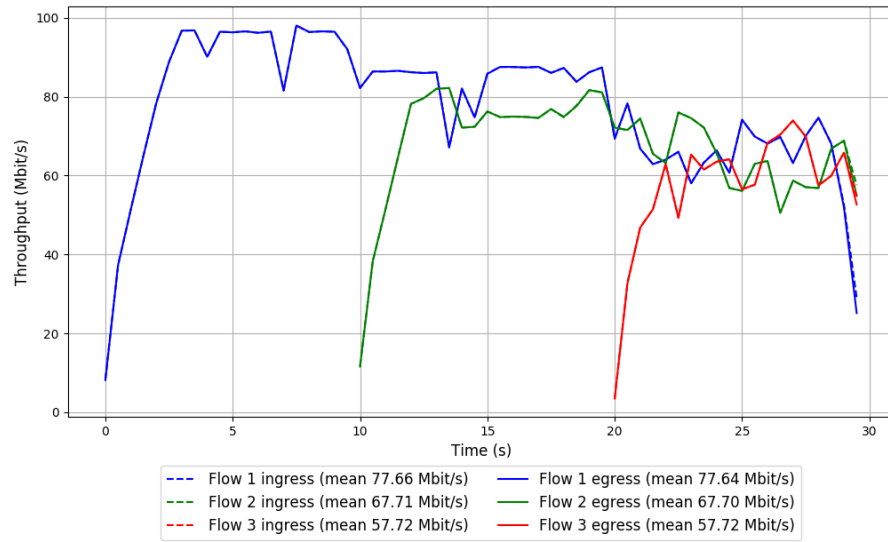


Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 19:28:12
End at: 2017-09-21 19:28:42
Local clock offset: -0.504 ms
Remote clock offset: -2.366 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.63 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 77.64 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 67.70 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.20%

Run 1: Report of QUIC Cubic — Data Link

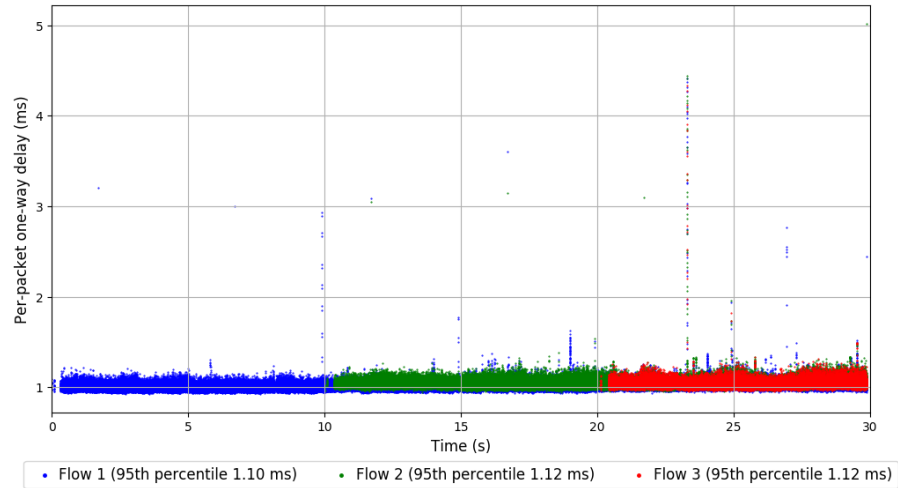
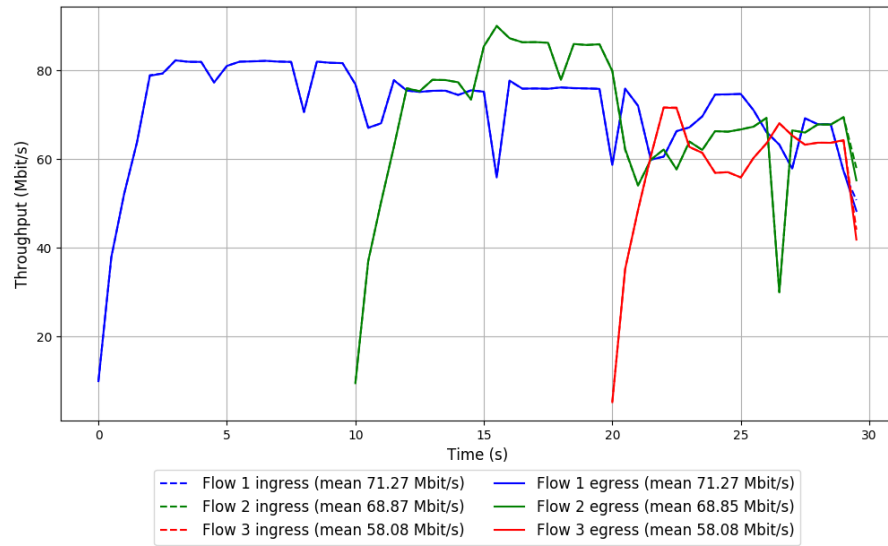


Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 19:48:56
End at: 2017-09-21 19:49:26
Local clock offset: -0.515 ms
Remote clock offset: -1.823 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.14 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 71.27 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.20%

Run 2: Report of QUIC Cubic — Data Link

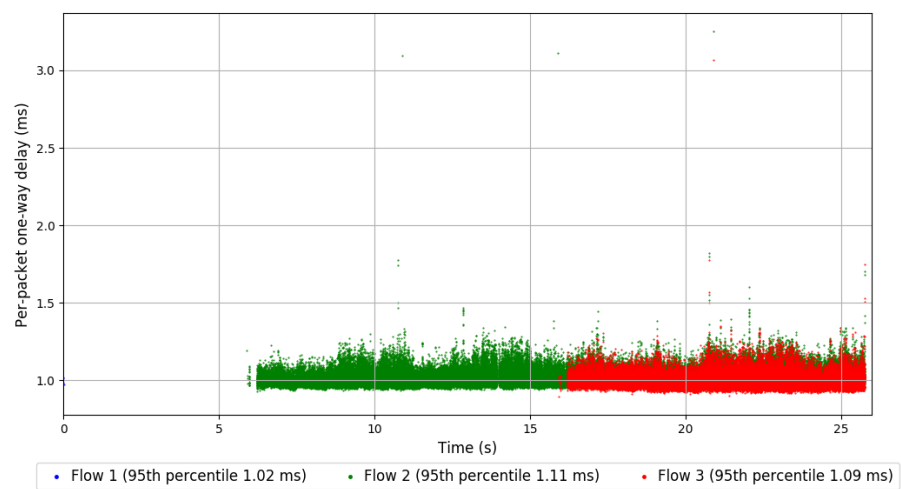
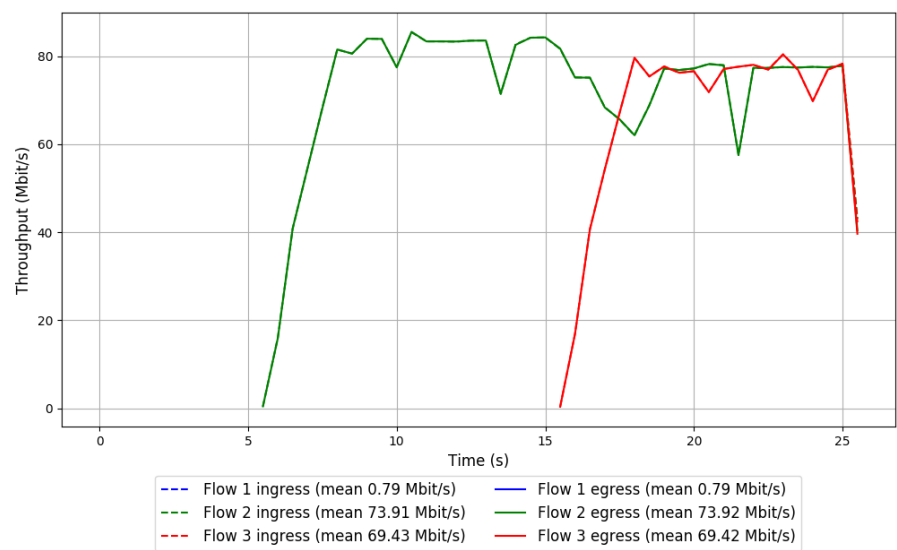


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 20:09:28
End at: 2017-09-21 20:09:58
Local clock offset: 0.004 ms
Remote clock offset: -1.045 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 1.022 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.92 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 69.42 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.20%

Run 3: Report of QUIC Cubic — Data Link

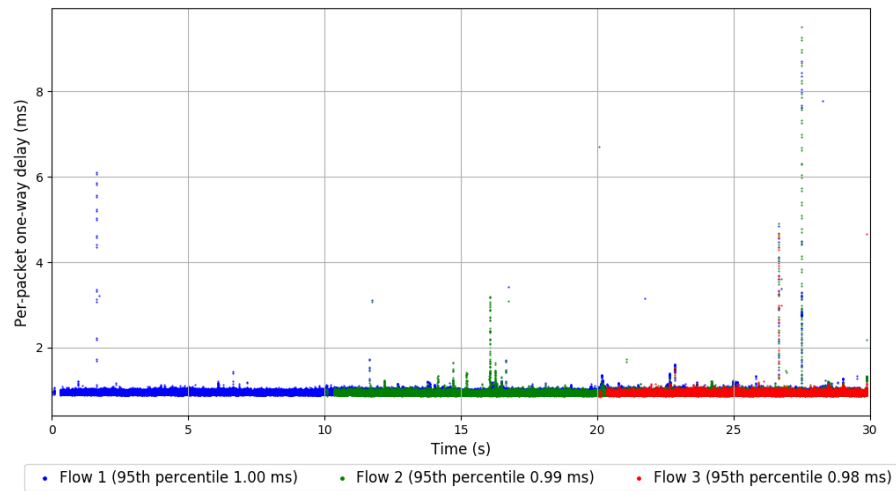
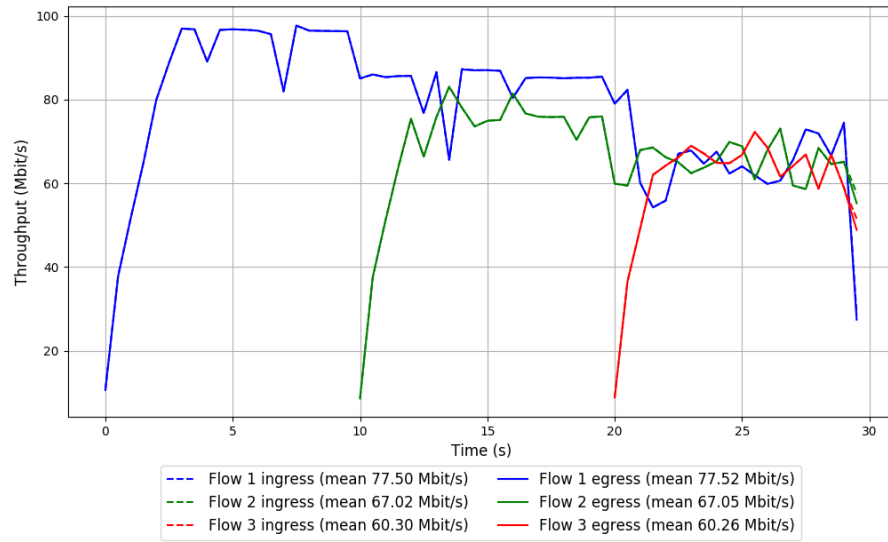


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-21 20:30:07
End at: 2017-09-21 20:30:37
Local clock offset: 0.008 ms
Remote clock offset: -1.056 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.91 Mbit/s
95th percentile per-packet one-way delay: 0.997 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.52 Mbit/s
95th percentile per-packet one-way delay: 1.003 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 67.05 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.23%

Run 4: Report of QUIC Cubic — Data Link

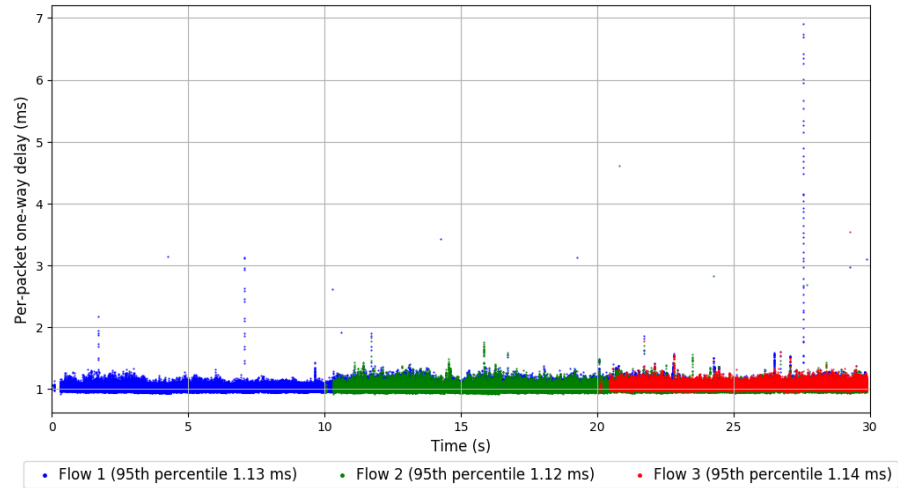
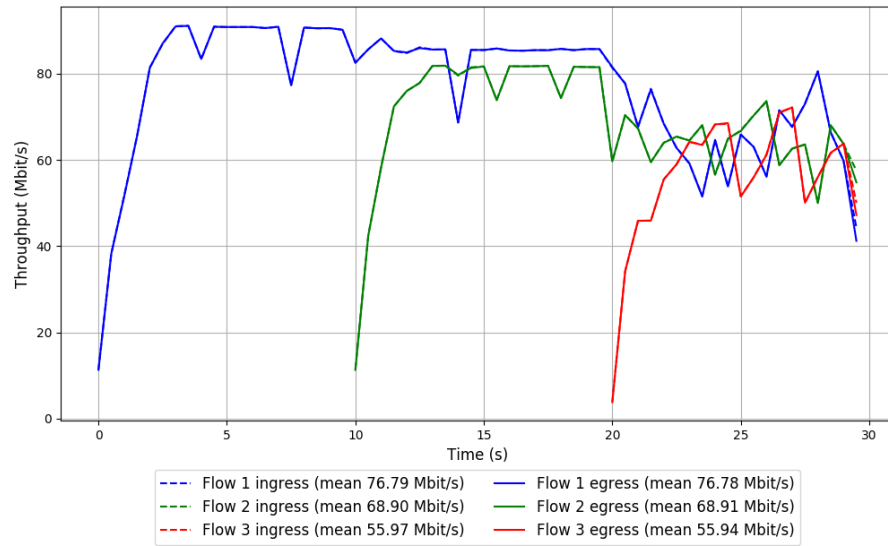


Run 5: Statistics of QUIC Cubic

Start at: 2017-09-21 20:50:49
End at: 2017-09-21 20:51:19
Local clock offset: 0.063 ms
Remote clock offset: -1.411 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.00 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 68.91 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.27%

Run 5: Report of QUIC Cubic — Data Link

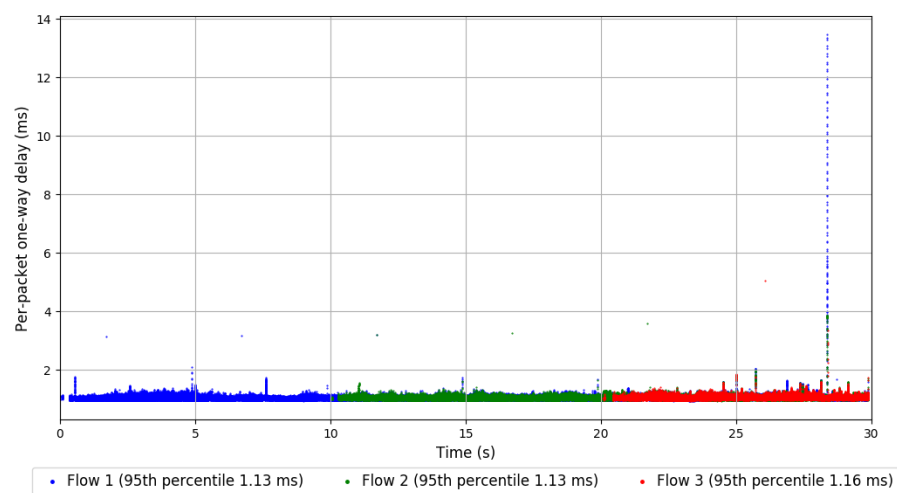
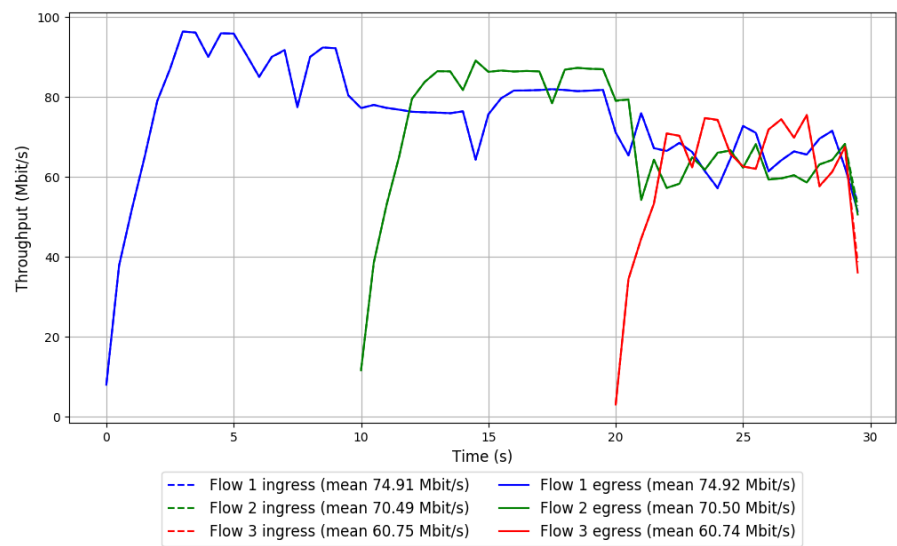


Run 6: Statistics of QUIC Cubic

Start at: 2017-09-21 21:11:28
End at: 2017-09-21 21:11:58
Local clock offset: 0.382 ms
Remote clock offset: -1.239 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.74 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.92 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 70.50 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 60.74 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.23%

Run 6: Report of QUIC Cubic — Data Link

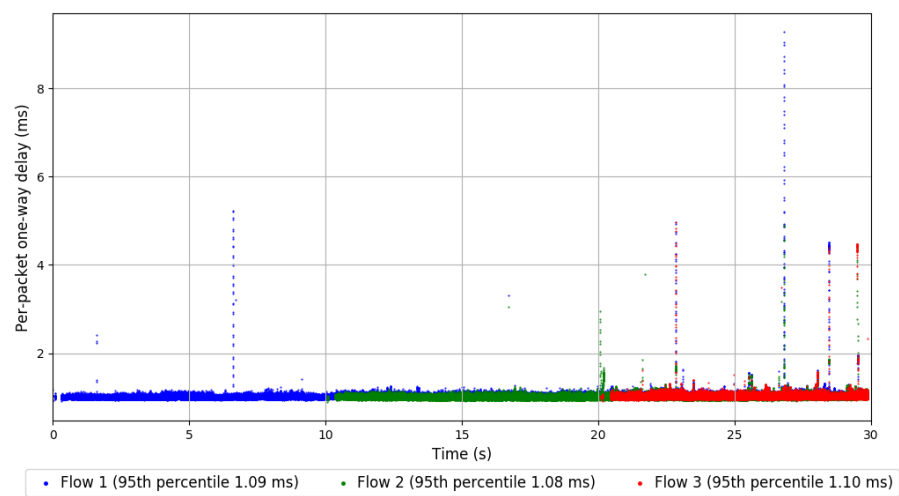
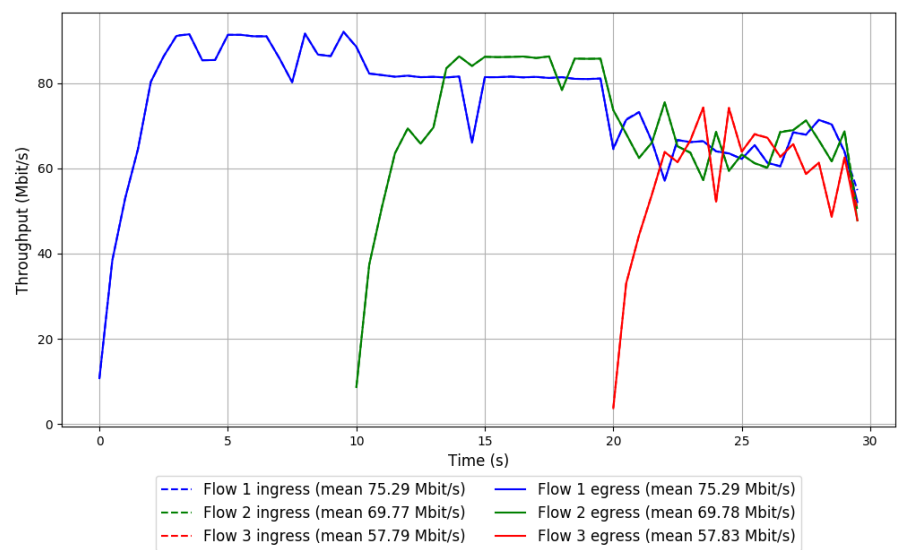


Run 7: Statistics of QUIC Cubic

Start at: 2017-09-21 21:32:07
End at: 2017-09-21 21:32:37
Local clock offset: 0.46 ms
Remote clock offset: -1.261 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.63 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 75.29 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 57.83 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.23%

Run 7: Report of QUIC Cubic — Data Link

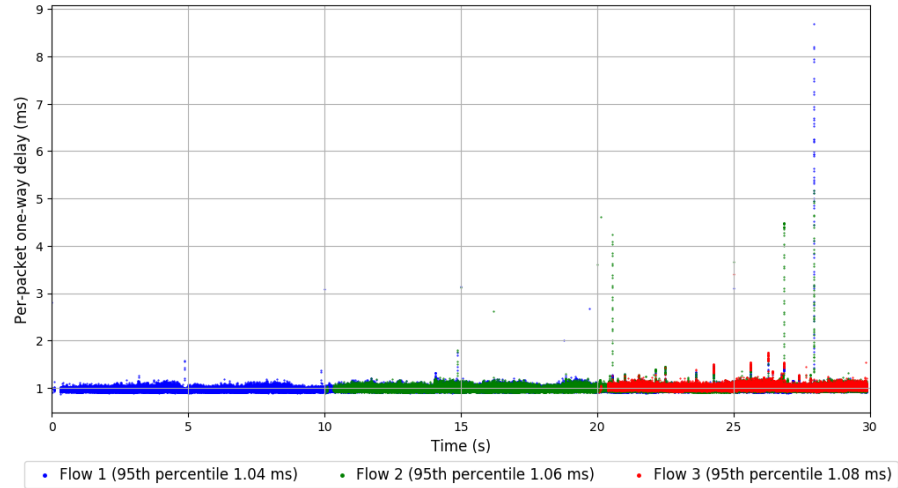
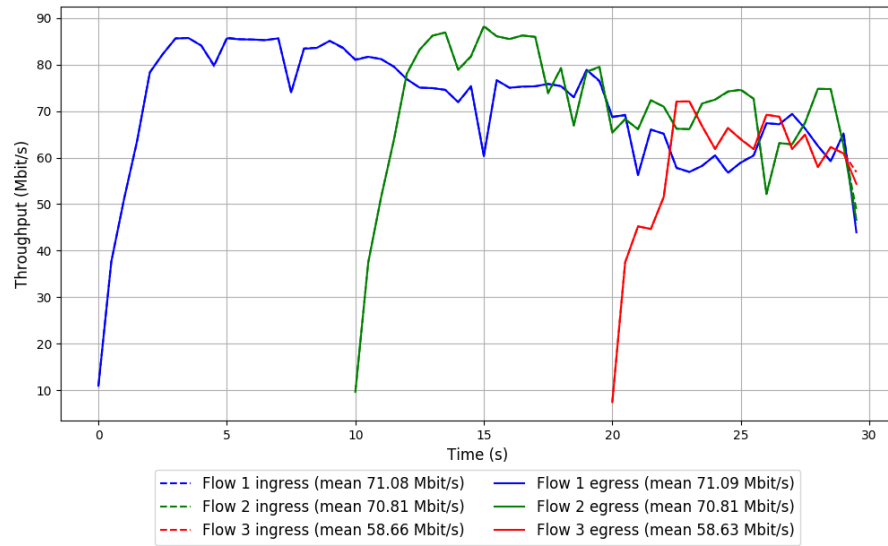


Run 8: Statistics of QUIC Cubic

Start at: 2017-09-21 21:52:58
End at: 2017-09-21 21:53:28
Local clock offset: 0.37 ms
Remote clock offset: -1.128 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.45 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 71.09 Mbit/s
95th percentile per-packet one-way delay: 1.045 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 70.81 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.23%

Run 8: Report of QUIC Cubic — Data Link

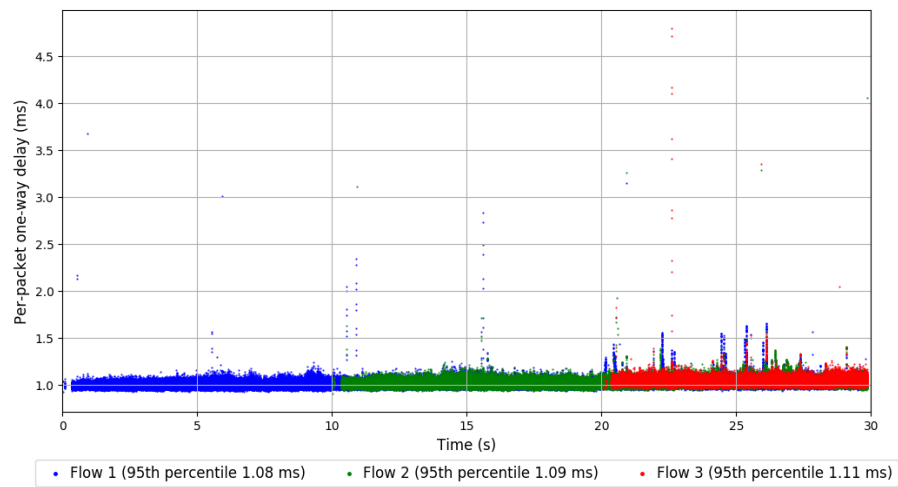
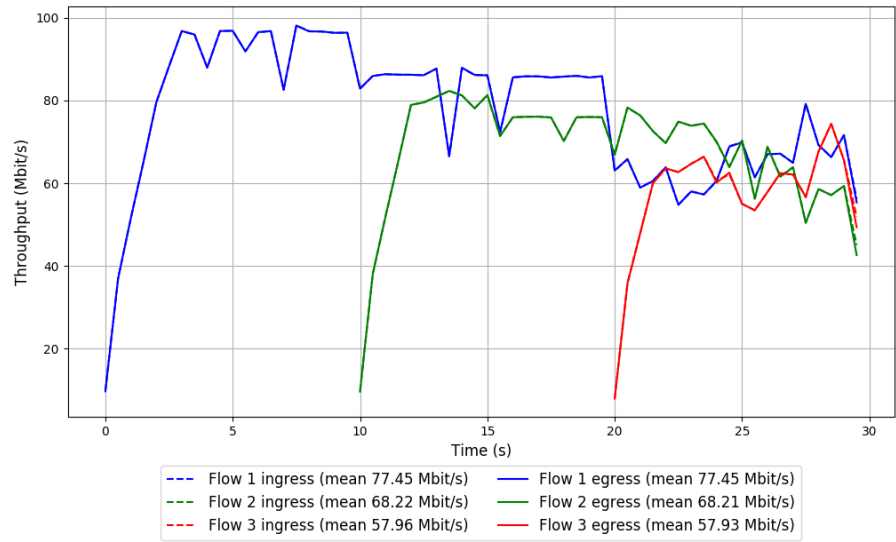


Run 9: Statistics of QUIC Cubic

Start at: 2017-09-21 22:13:39
End at: 2017-09-21 22:14:09
Local clock offset: 0.454 ms
Remote clock offset: -1.093 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.81 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 68.21 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.24%

Run 9: Report of QUIC Cubic — Data Link

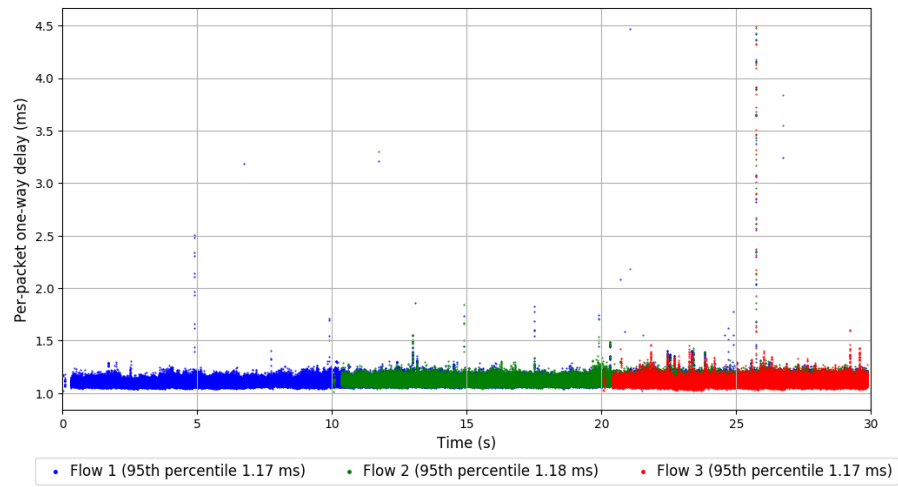
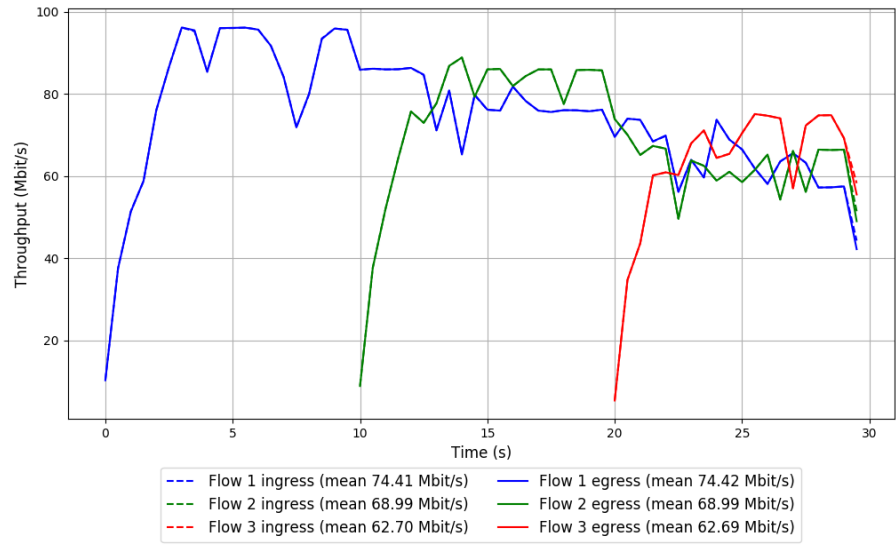


Run 10: Statistics of QUIC Cubic

Start at: 2017-09-21 22:34:12
End at: 2017-09-21 22:34:42
Local clock offset: 0.406 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.89 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.42 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 68.99 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.24%

Run 10: Report of QUIC Cubic — Data Link

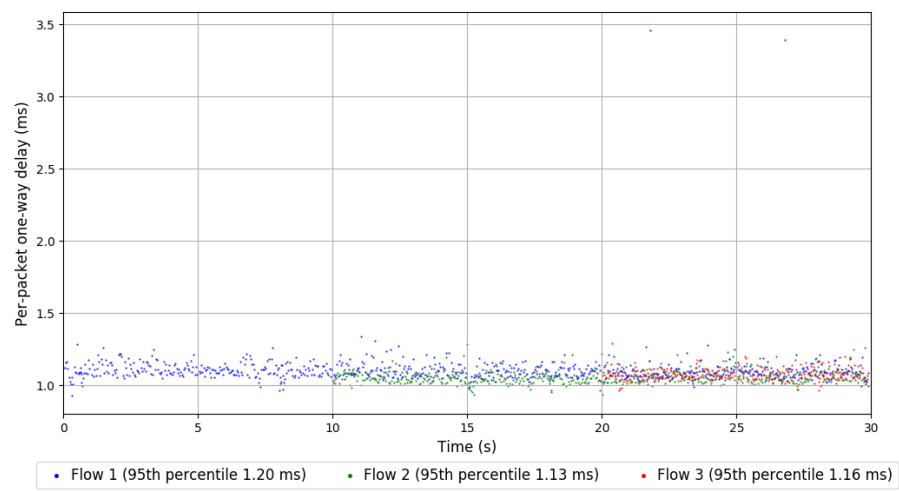
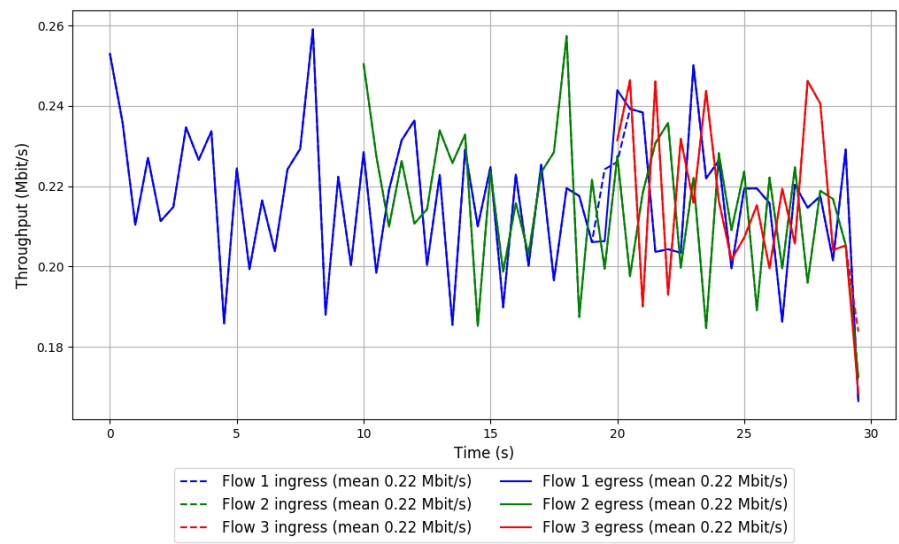


```
Run 1: Statistics of SReAM

Start at: 2017-09-21 19:29:29
End at: 2017-09-21 19:29:59
Local clock offset: -0.614 ms
Remote clock offset: -2.31 ms

# Below is generated by plot.py at 2017-09-22 03:23:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.131 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: 0.35%
```

Run 1: Report of SCRaM — Data Link

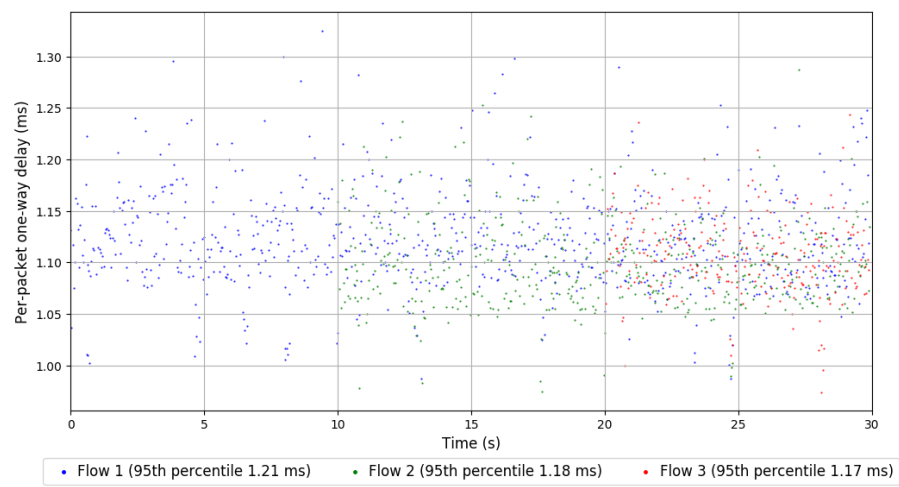
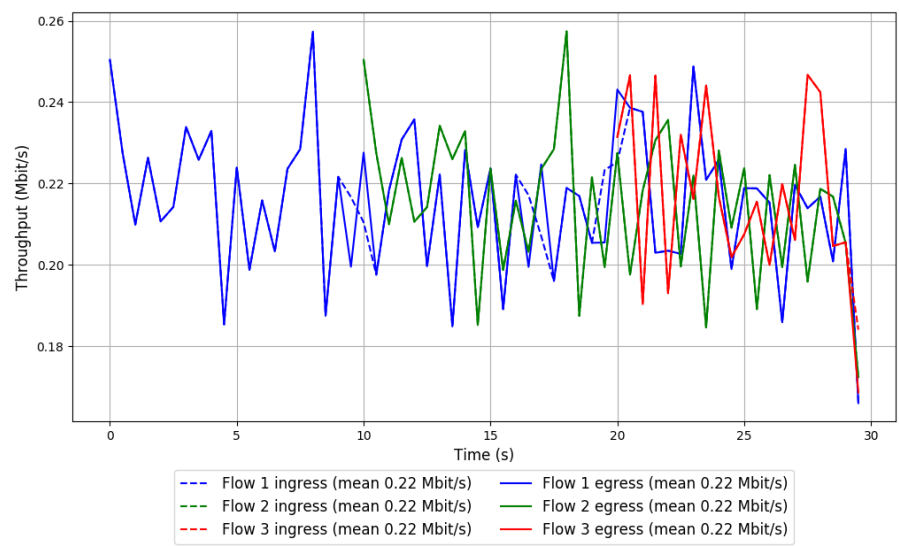


Run 2: Statistics of SReAM

Start at: 2017-09-21 19:50:12
End at: 2017-09-21 19:50:42
Local clock offset: -0.492 ms
Remote clock offset: -1.769 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

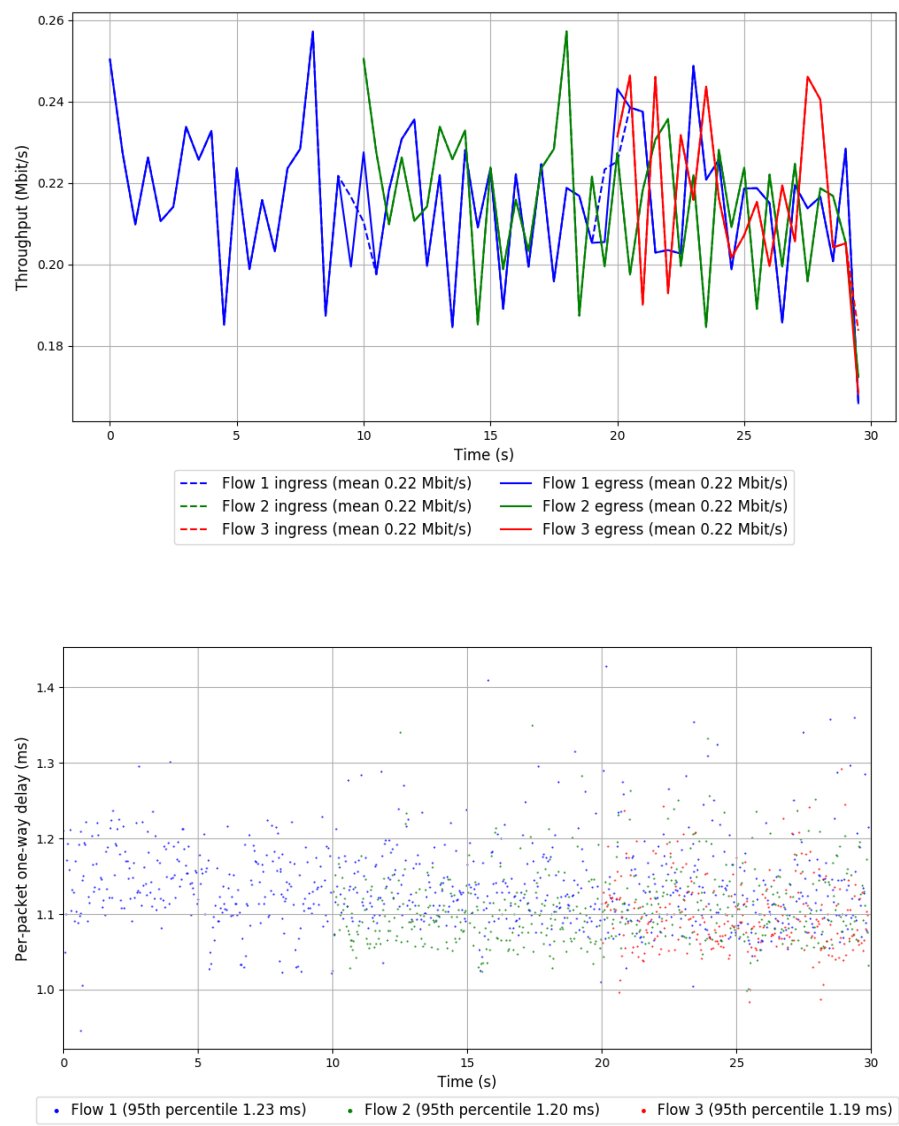


Run 3: Statistics of SReAM

Start at: 2017-09-21 20:10:41
End at: 2017-09-21 20:11:11
Local clock offset: -0.087 ms
Remote clock offset: -1.126 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

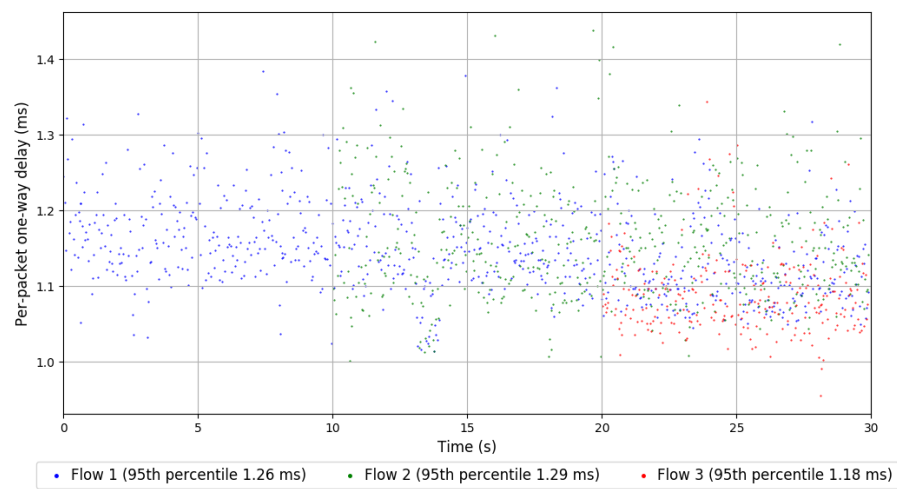
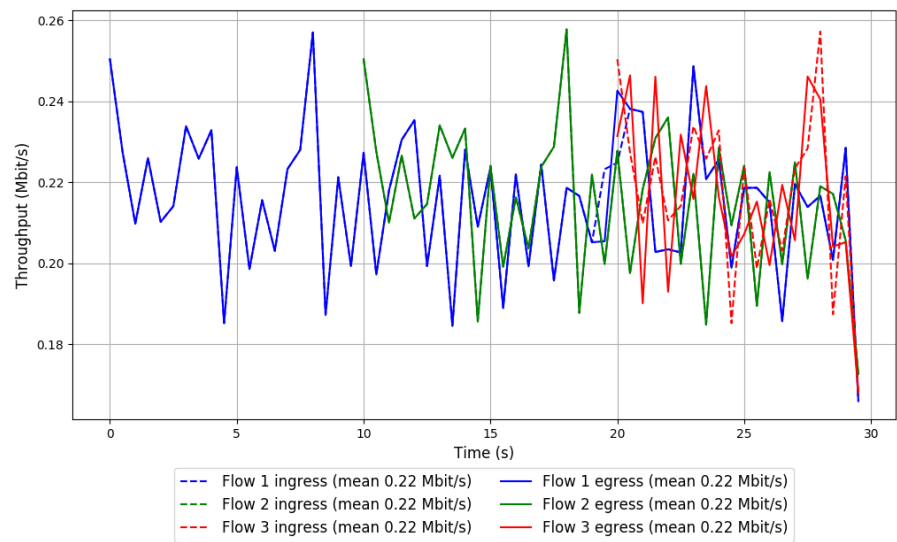


Run 4: Statistics of SReAM

Start at: 2017-09-21 20:31:24
End at: 2017-09-21 20:31:54
Local clock offset: 0.095 ms
Remote clock offset: -1.065 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

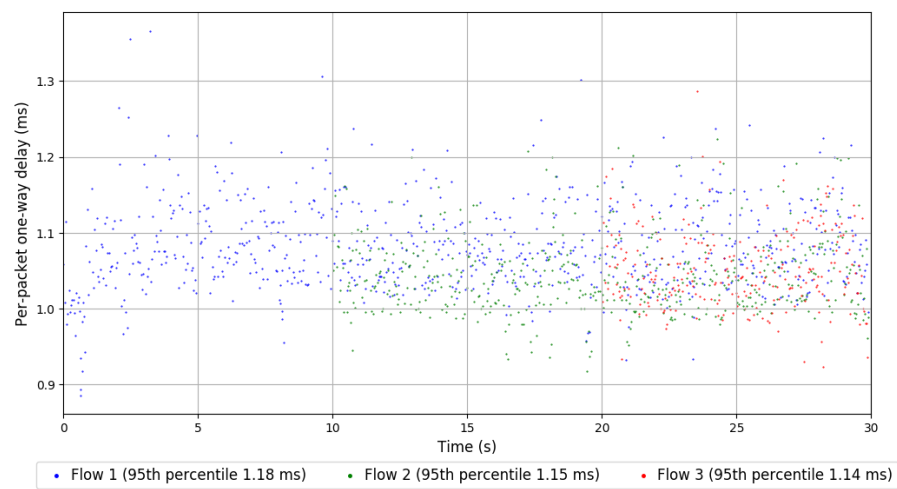
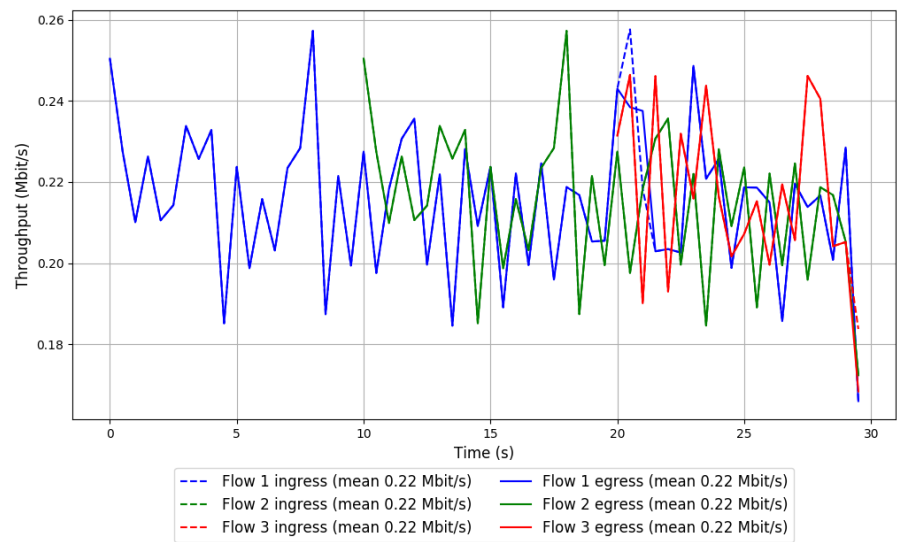


Run 5: Statistics of SReAM

Start at: 2017-09-21 20:52:06
End at: 2017-09-21 20:52:36
Local clock offset: 0.076 ms
Remote clock offset: -1.323 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

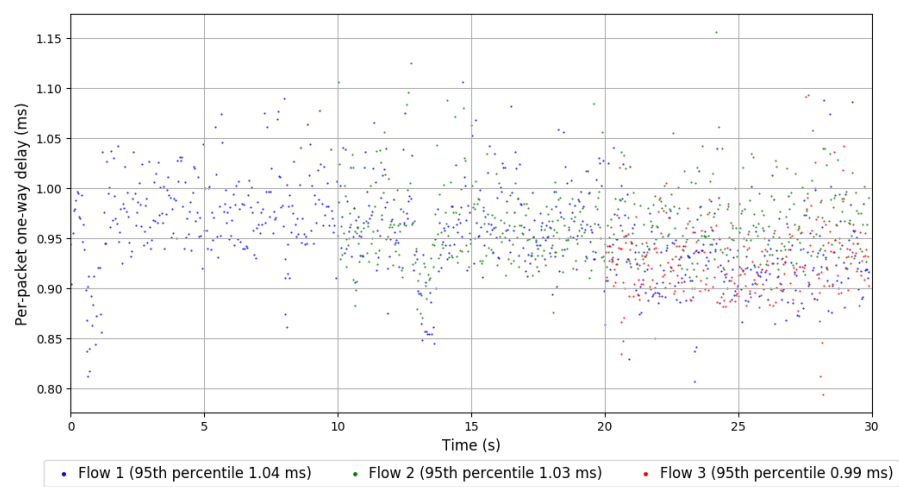
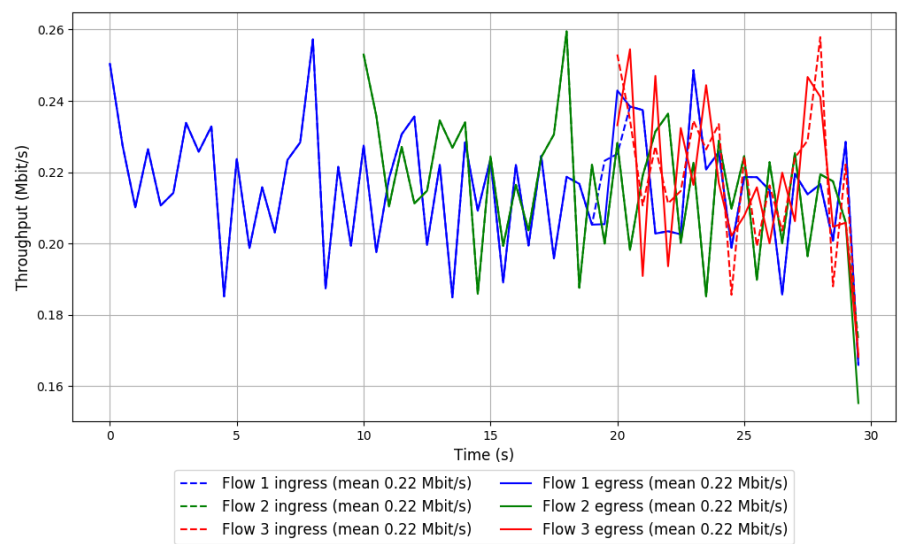


Run 6: Statistics of SReAM

Start at: 2017-09-21 21:12:45
End at: 2017-09-21 21:13:15
Local clock offset: 0.307 ms
Remote clock offset: -1.177 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.030 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

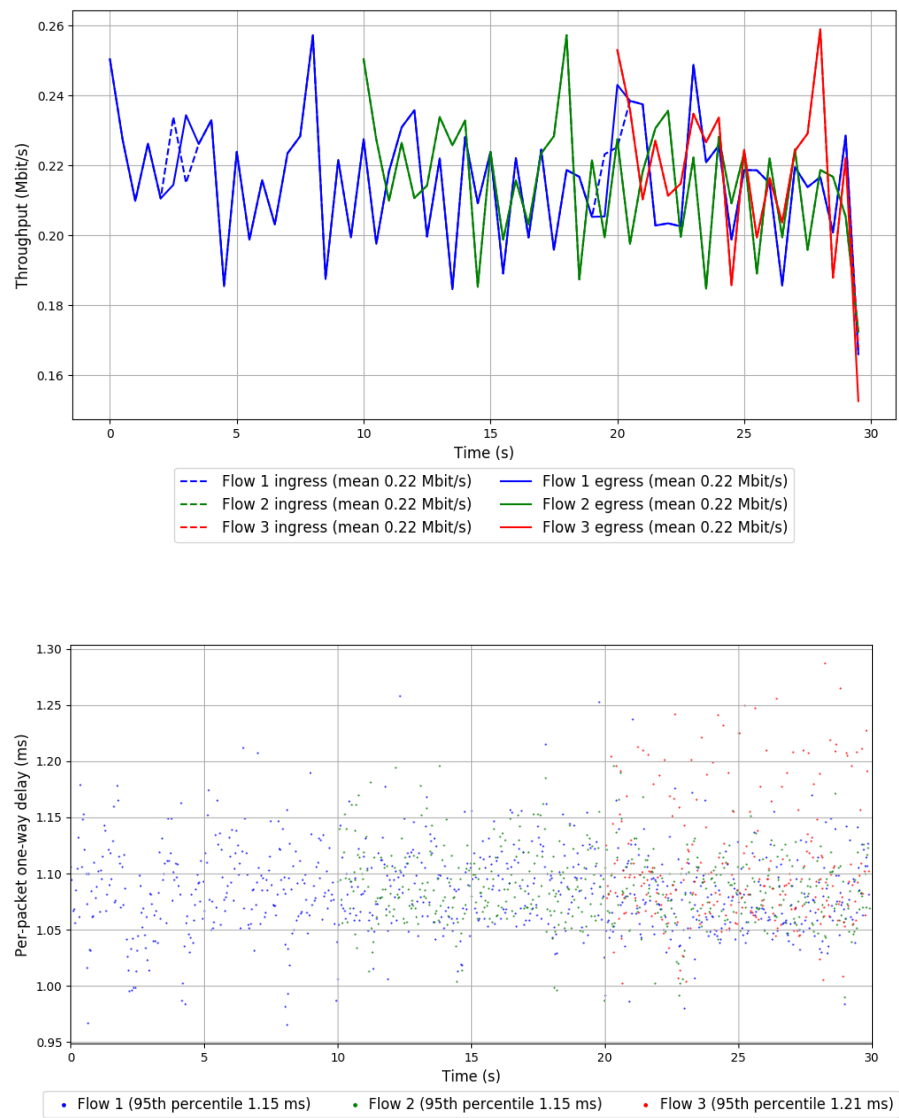


Run 7: Statistics of SReAM

Start at: 2017-09-21 21:33:24
End at: 2017-09-21 21:33:54
Local clock offset: 0.554 ms
Remote clock offset: -1.137 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.149 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: 1.213 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

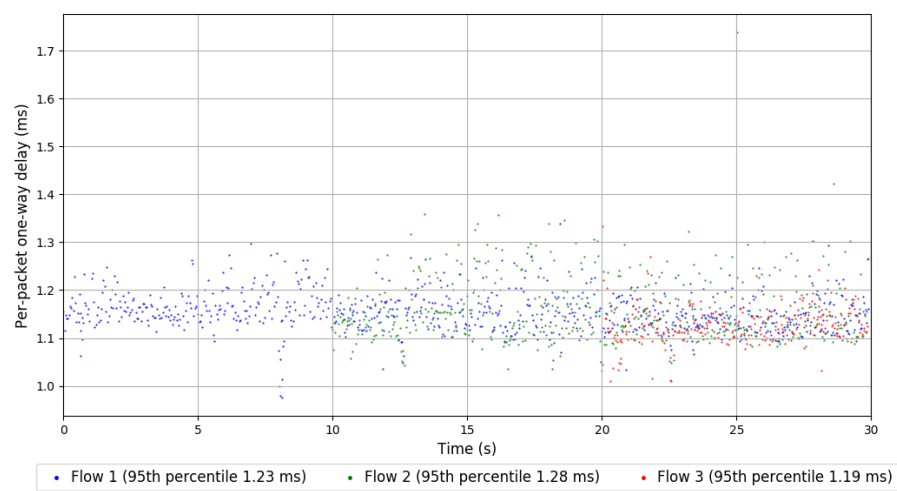
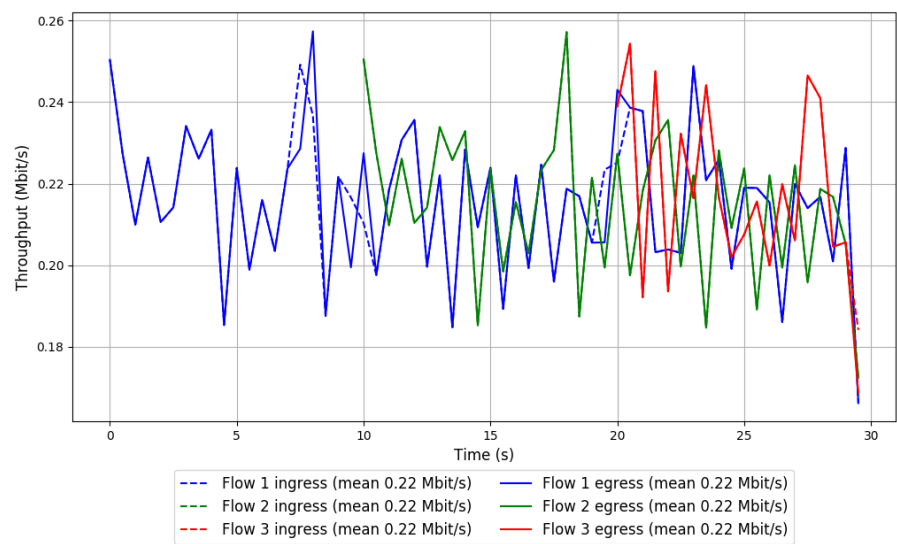


Run 8: Statistics of SReAM

Start at: 2017-09-21 21:54:14
End at: 2017-09-21 21:54:44
Local clock offset: 0.473 ms
Remote clock offset: -1.082 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

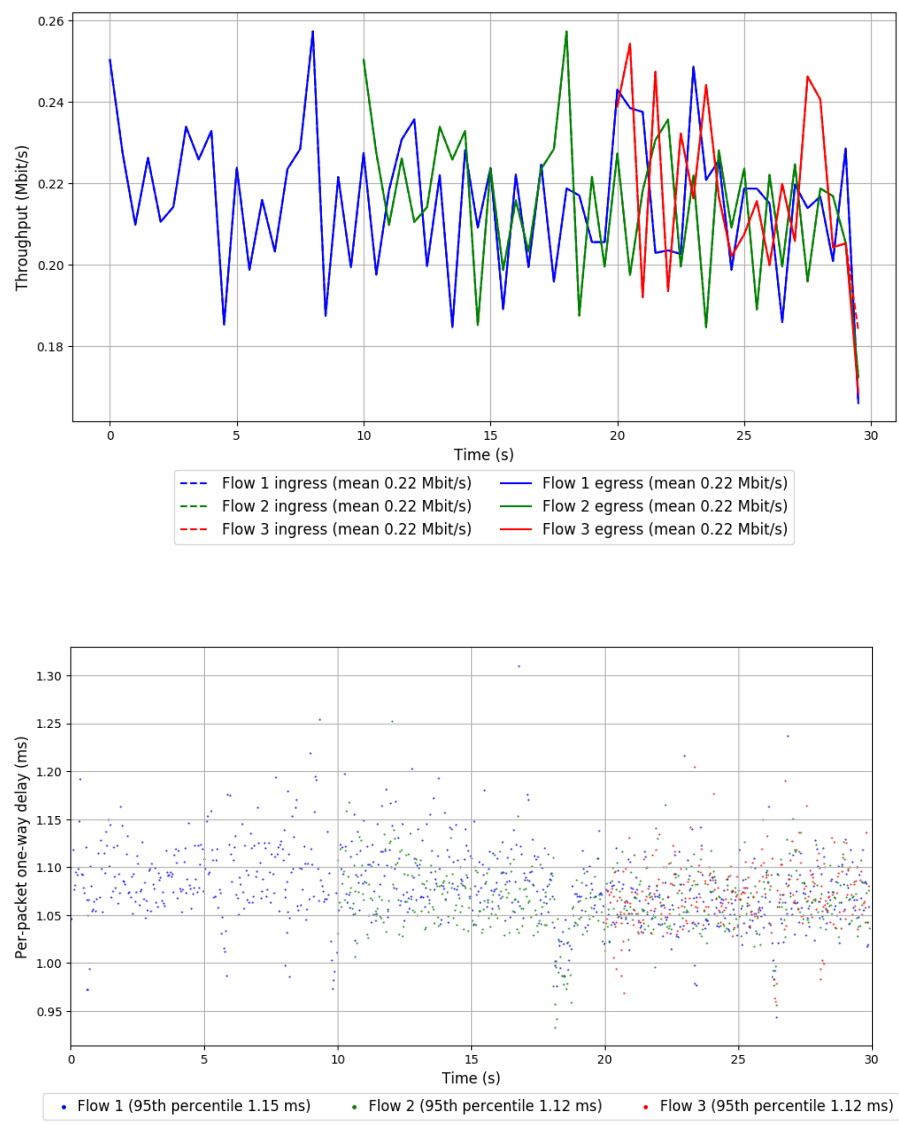


Run 9: Statistics of SReAM

Start at: 2017-09-21 22:14:56
End at: 2017-09-21 22:15:26
Local clock offset: 0.34 ms
Remote clock offset: -1.175 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

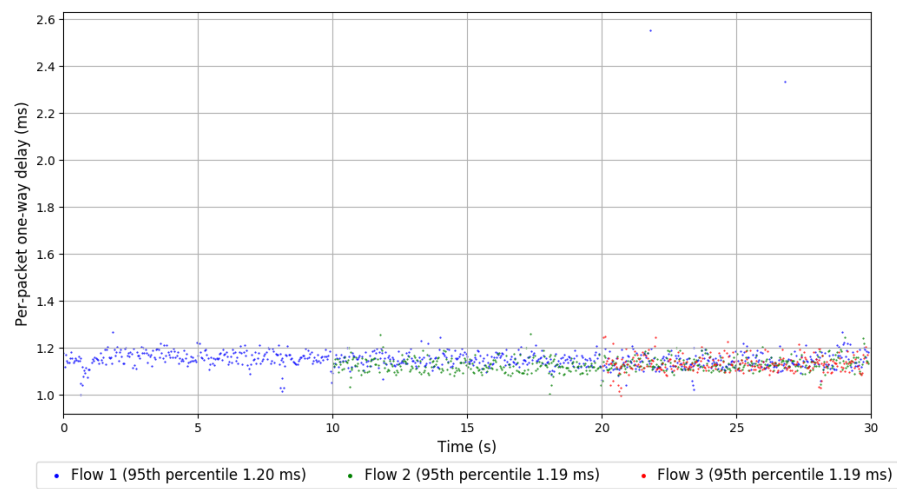
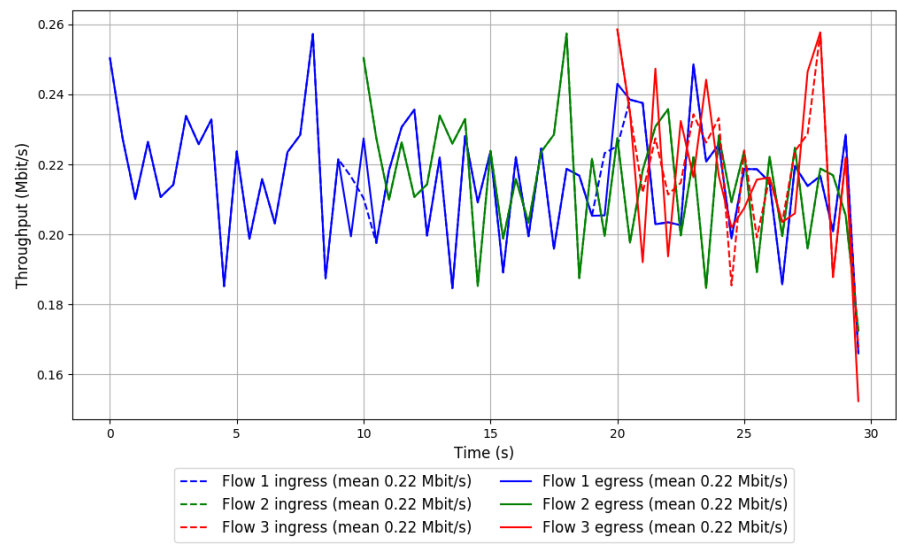


Run 10: Statistics of SReAM

Start at: 2017-09-21 22:35:29
End at: 2017-09-21 22:35:59
Local clock offset: 0.39 ms
Remote clock offset: -1.097 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

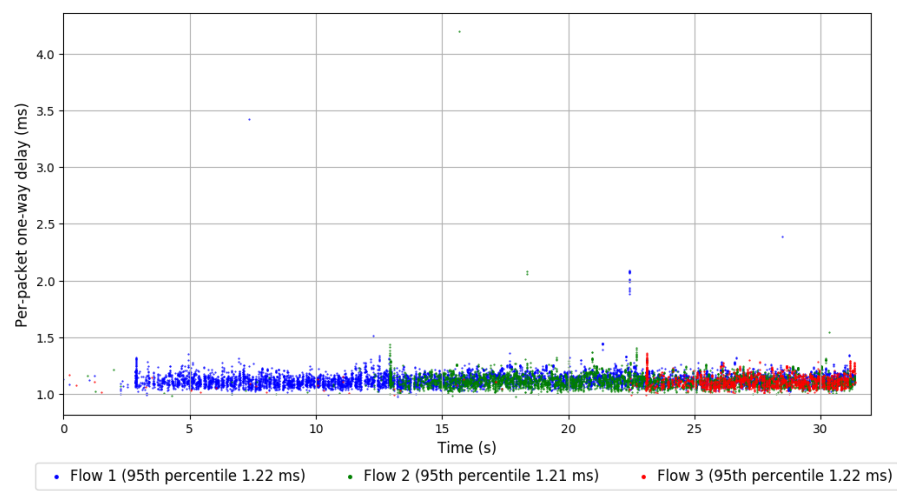
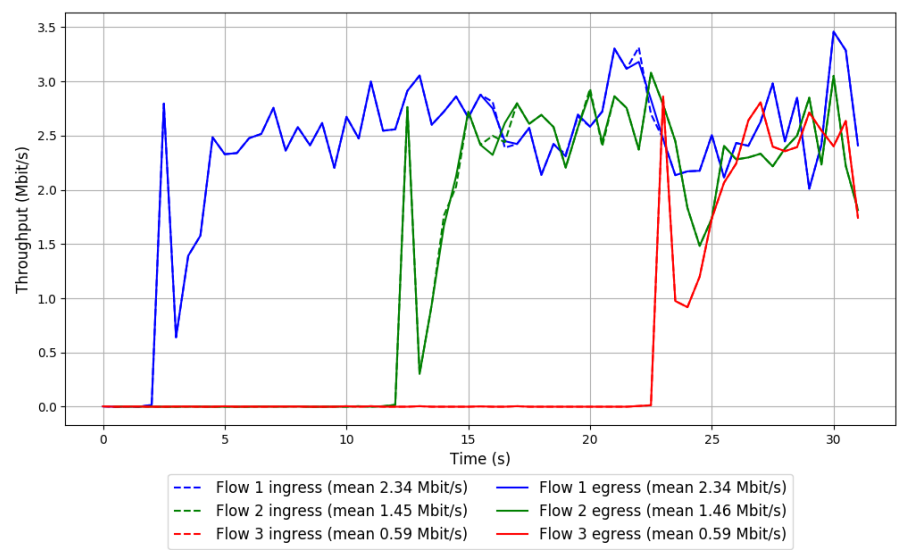


Run 1: Statistics of WebRTC media

Start at: 2017-09-21 19:27:02
End at: 2017-09-21 19:27:32
Local clock offset: -0.501 ms
Remote clock offset: -2.357 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

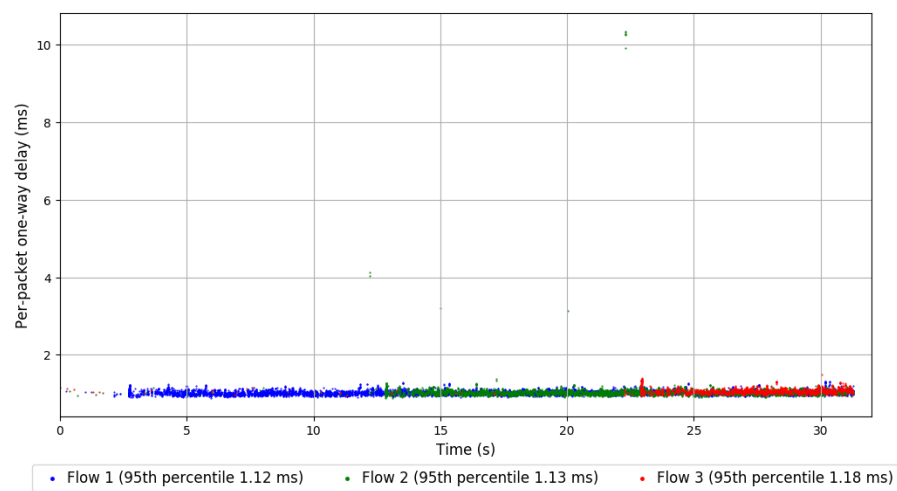
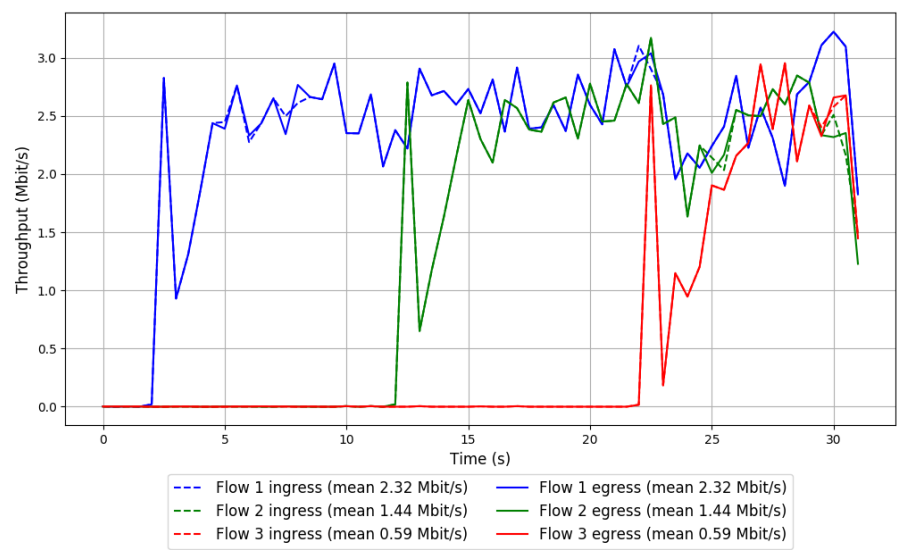


Run 2: Statistics of WebRTC media

Start at: 2017-09-21 19:47:45
End at: 2017-09-21 19:48:15
Local clock offset: -0.549 ms
Remote clock offset: -1.861 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.05%

Run 2: Report of WebRTC media — Data Link

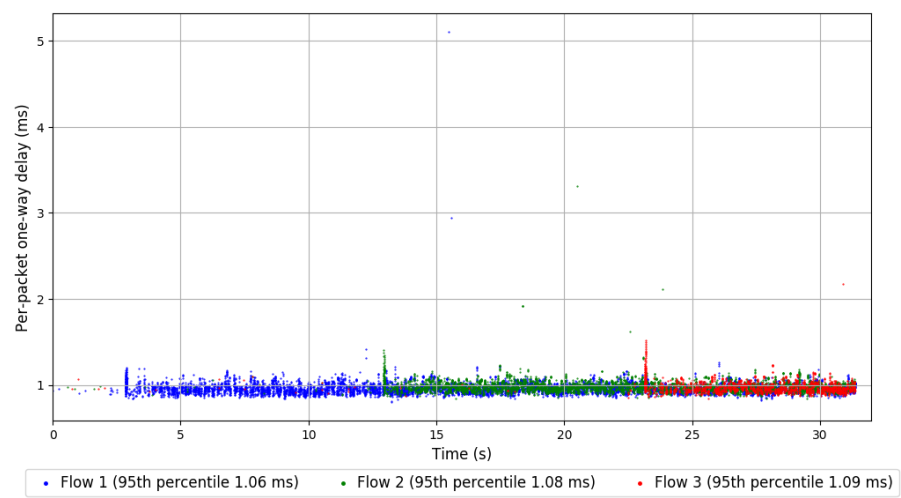
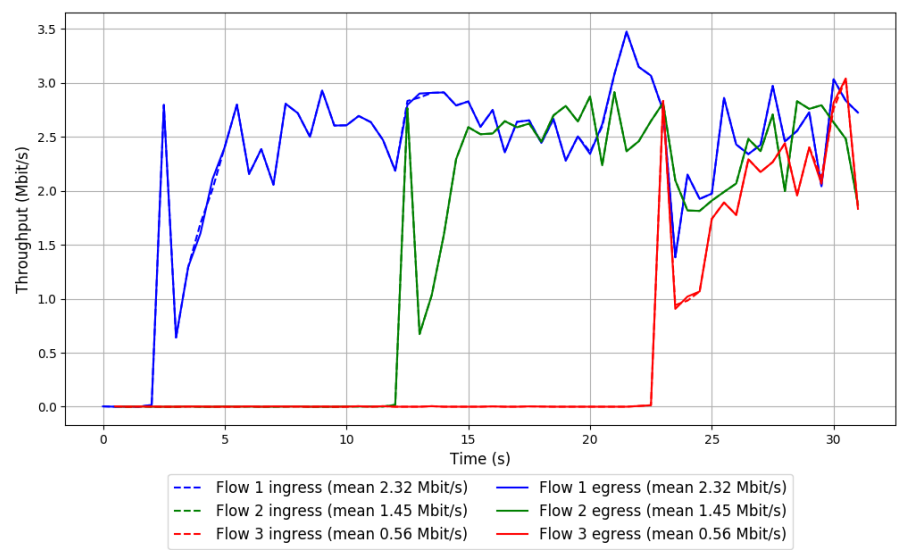


Run 3: Statistics of WebRTC media

Start at: 2017-09-21 20:08:17
End at: 2017-09-21 20:08:47
Local clock offset: -0.112 ms
Remote clock offset: -1.103 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.29 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

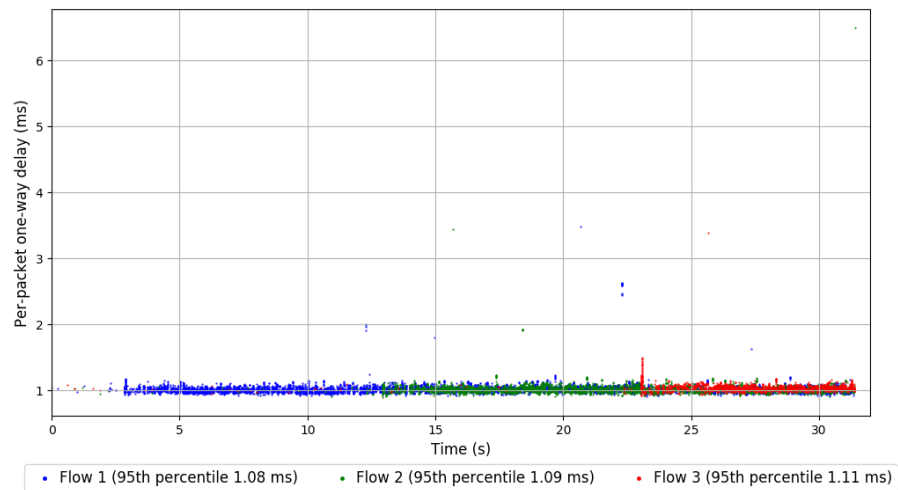
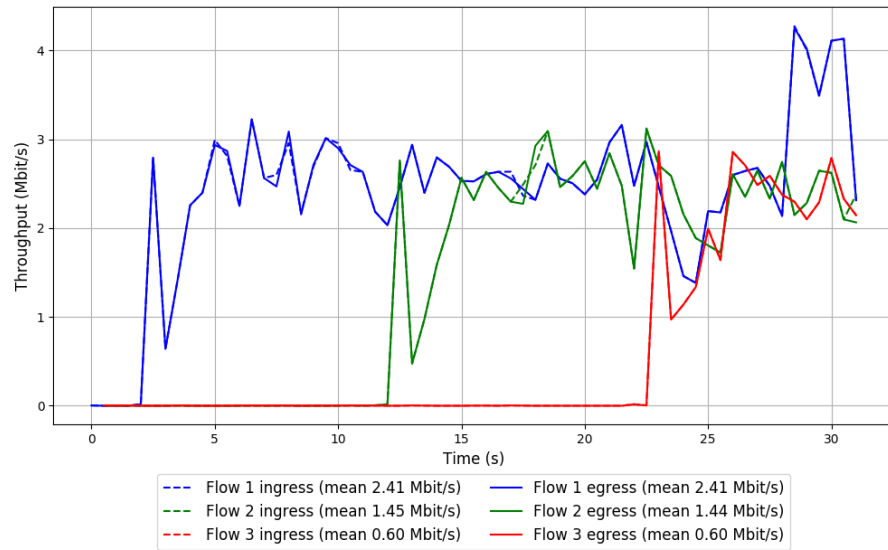


Run 4: Statistics of WebRTC media

Start at: 2017-09-21 20:28:56
End at: 2017-09-21 20:29:26
Local clock offset: 0.019 ms
Remote clock offset: -1.089 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

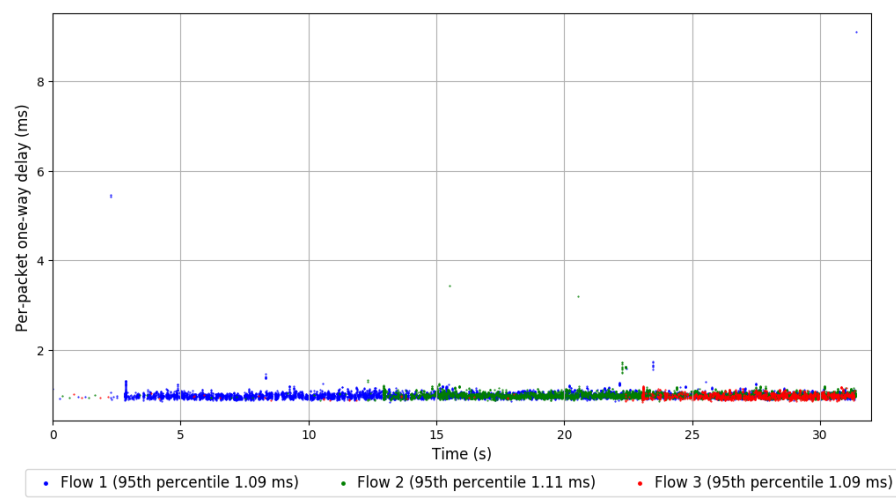
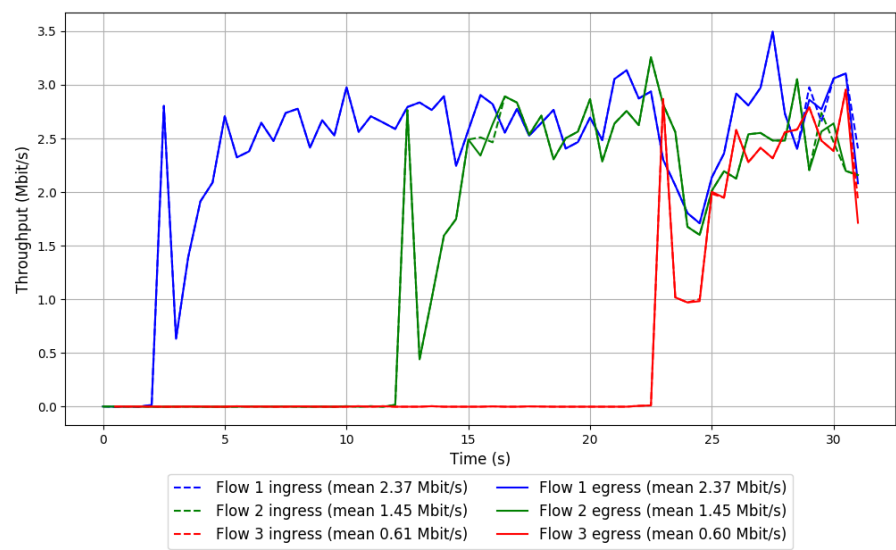


Run 5: Statistics of WebRTC media

Start at: 2017-09-21 20:49:39
End at: 2017-09-21 20:50:09
Local clock offset: 0.053 ms
Remote clock offset: -1.381 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.58%

Run 5: Report of WebRTC media — Data Link

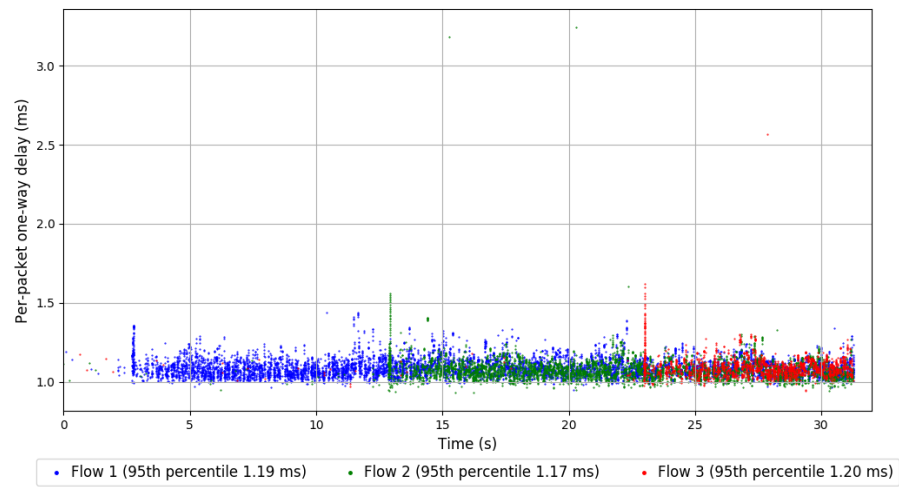
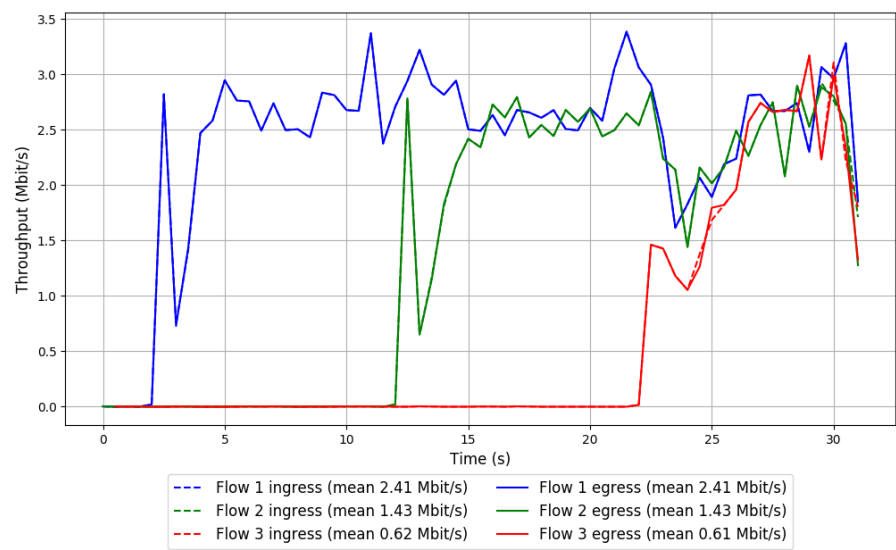


Run 6: Statistics of WebRTC media

Start at: 2017-09-21 21:10:18
End at: 2017-09-21 21:10:48
Local clock offset: 0.381 ms
Remote clock offset: -1.257 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 1.26%

Run 6: Report of WebRTC media — Data Link

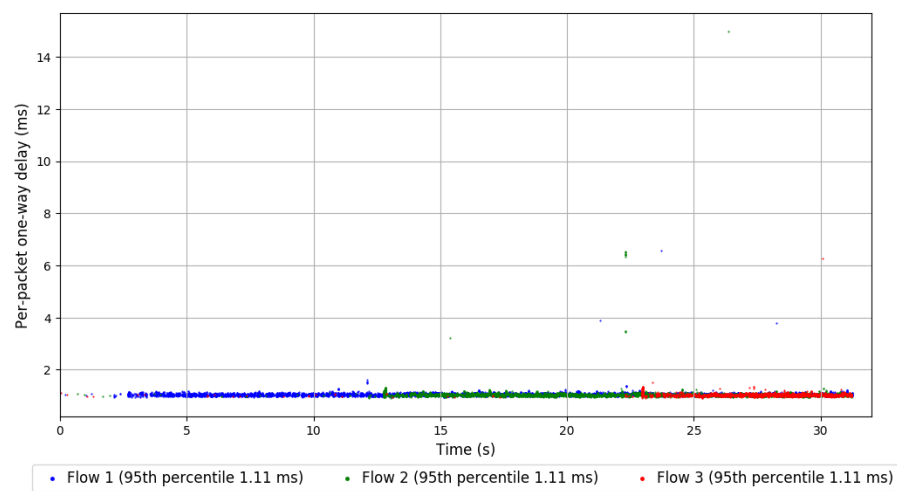
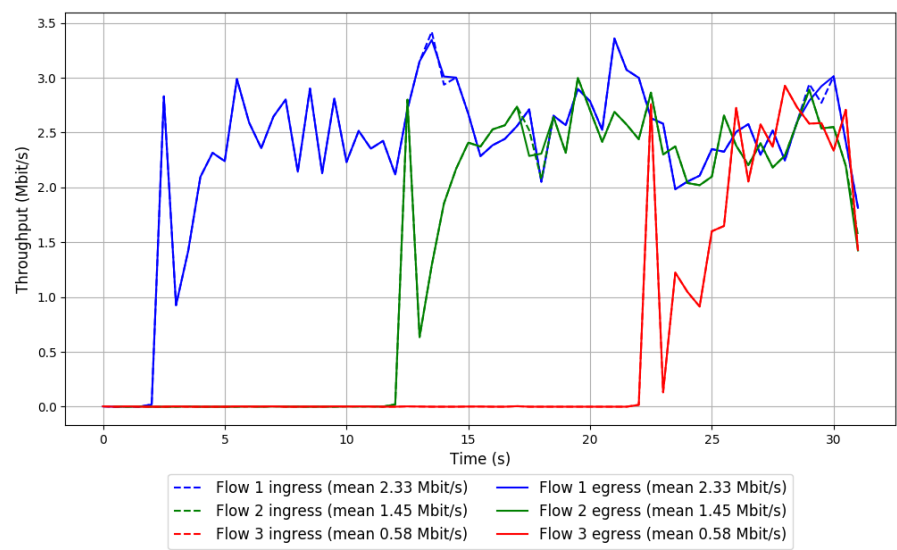


Run 7: Statistics of WebRTC media

Start at: 2017-09-21 21:30:56
End at: 2017-09-21 21:31:26
Local clock offset: 0.458 ms
Remote clock offset: -1.272 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

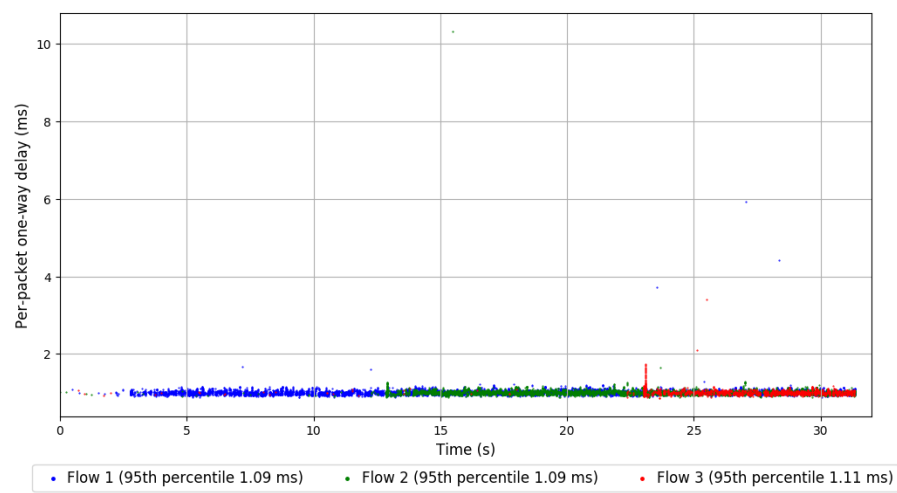
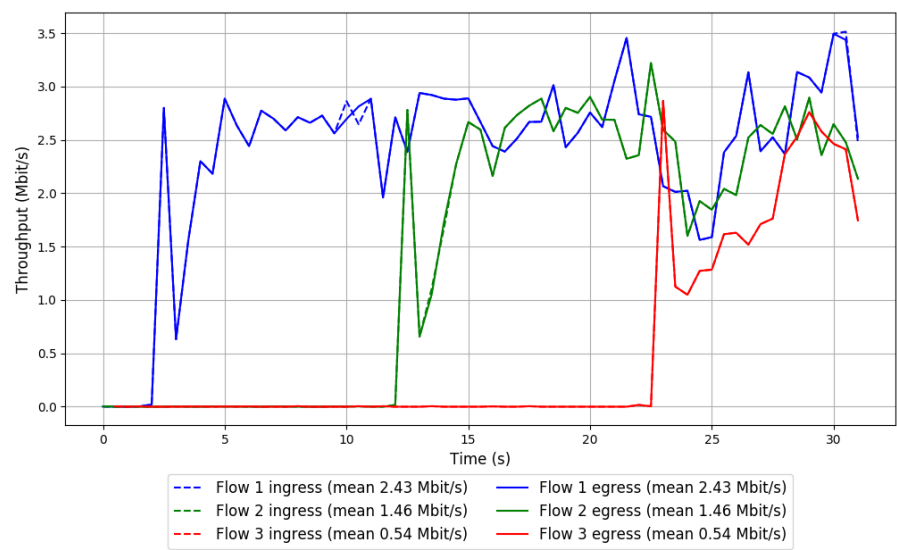


Run 8: Statistics of WebRTC media

Start at: 2017-09-21 21:51:47
End at: 2017-09-21 21:52:17
Local clock offset: 0.364 ms
Remote clock offset: -1.119 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

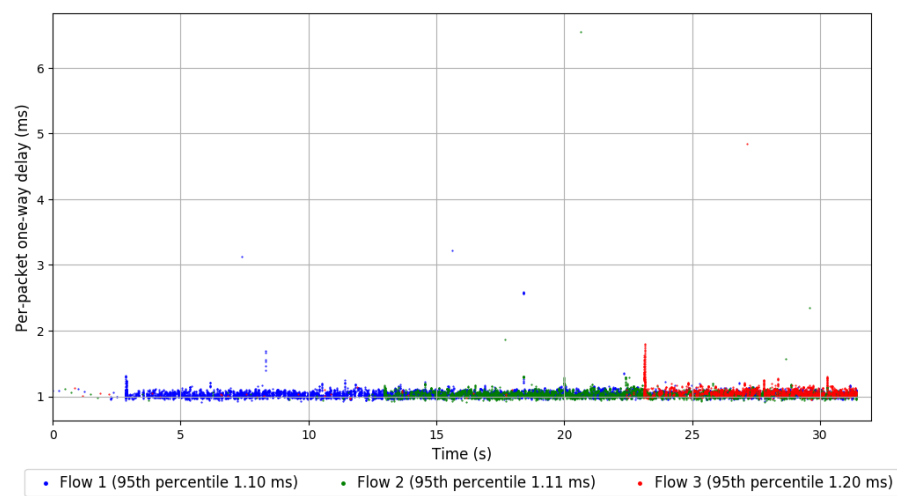
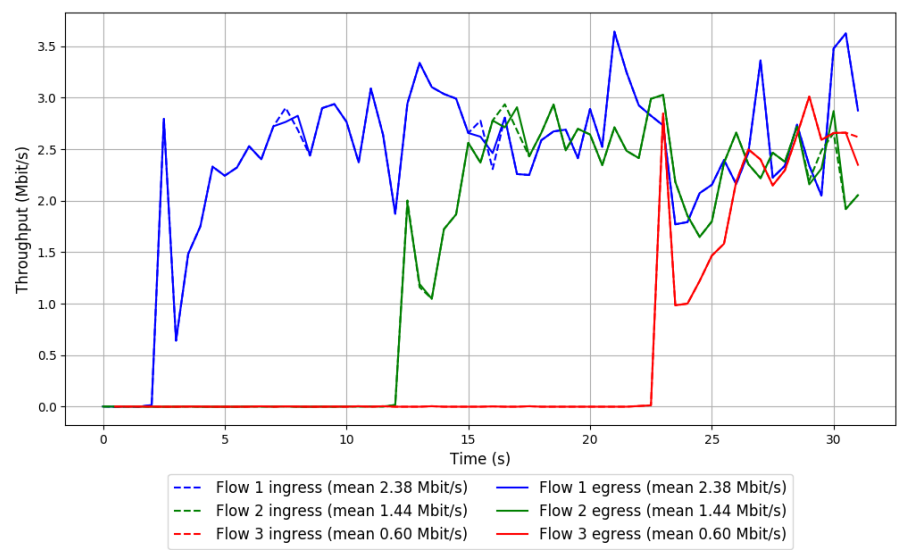


Run 9: Statistics of WebRTC media

Start at: 2017-09-21 22:12:29
End at: 2017-09-21 22:12:59
Local clock offset: 0.437 ms
Remote clock offset: -1.116 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.73%

Run 9: Report of WebRTC media — Data Link

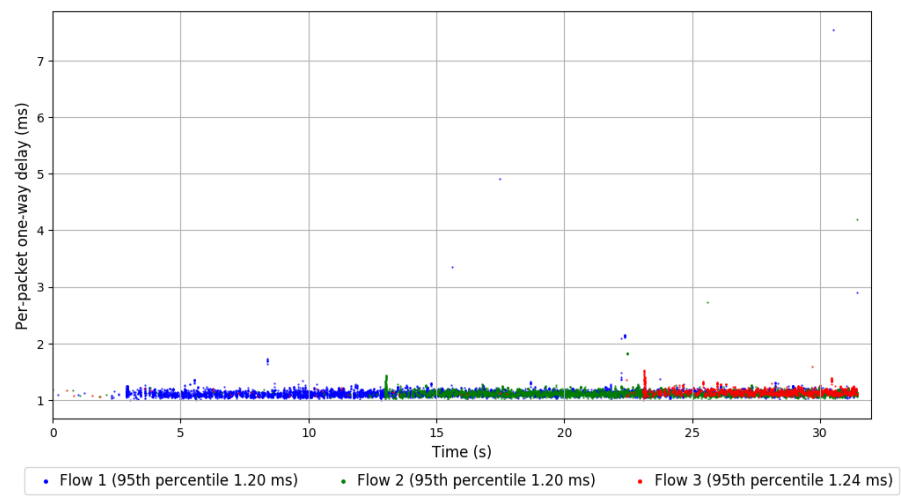
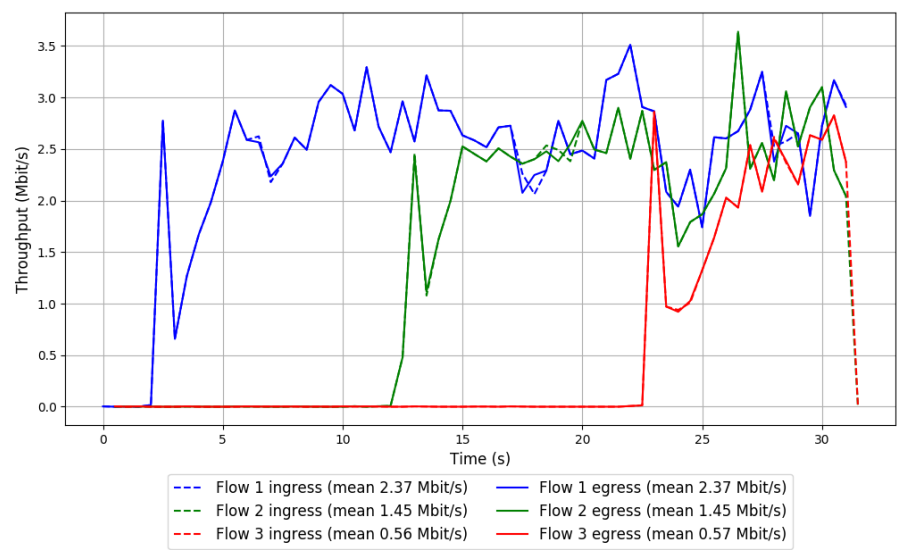


Run 10: Statistics of WebRTC media

Start at: 2017-09-21 22:33:01
End at: 2017-09-21 22:33:31
Local clock offset: 0.41 ms
Remote clock offset: -1.153 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-09-21 19:43:34

End at: 2017-09-21 19:44:04

Local clock offset: -0.571 ms

Remote clock offset: -1.98 ms

Below is generated by plot.py at 2017-09-22 03:23:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.81 Mbit/s

95th percentile per-packet one-way delay: 1.111 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 1.102 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 24.92 Mbit/s

95th percentile per-packet one-way delay: 1.106 ms

Loss rate: 0.00%

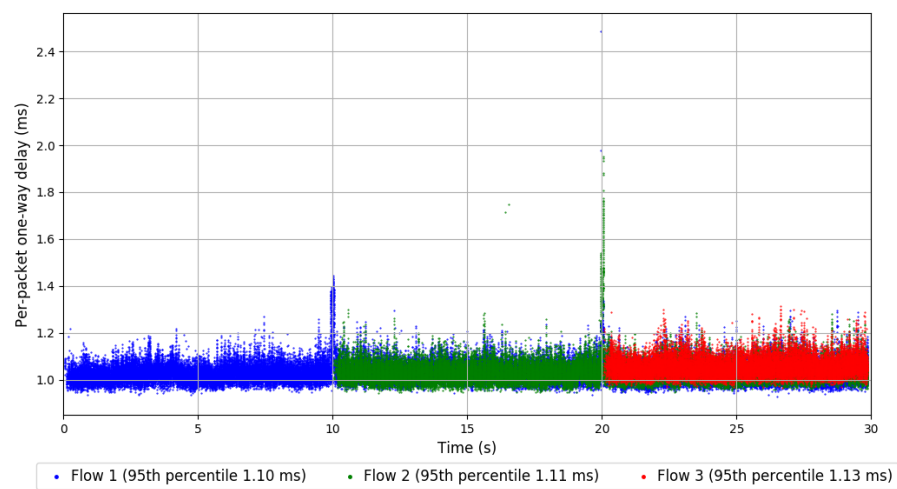
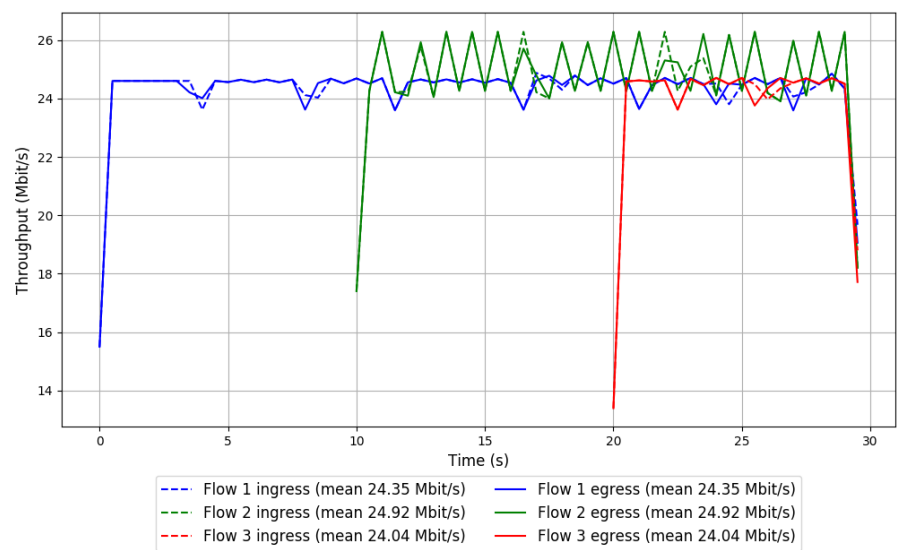
-- Flow 3:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 1.132 ms

Loss rate: 0.23%

Run 1: Report of Sprout — Data Link

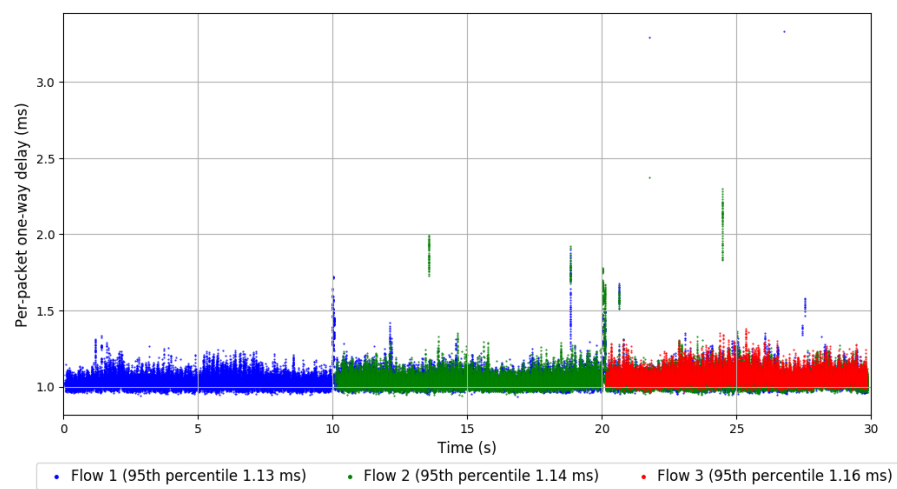
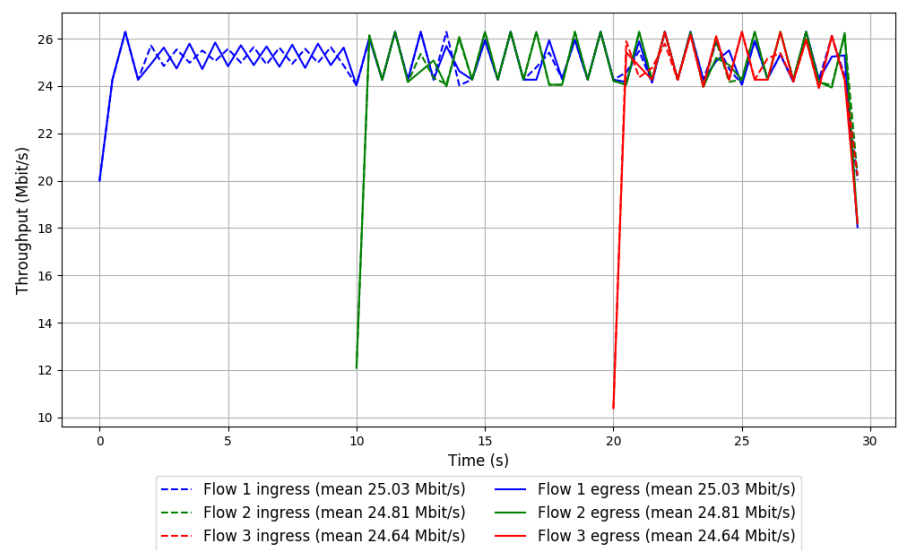


Run 2: Statistics of Sprout

Start at: 2017-09-21 20:04:16
End at: 2017-09-21 20:04:46
Local clock offset: -0.176 ms
Remote clock offset: -1.272 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.42%

Run 2: Report of Sprout — Data Link

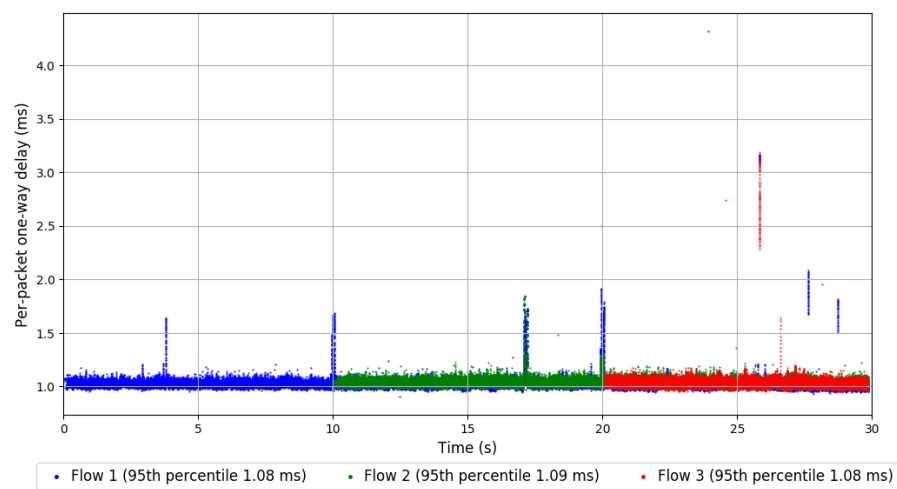
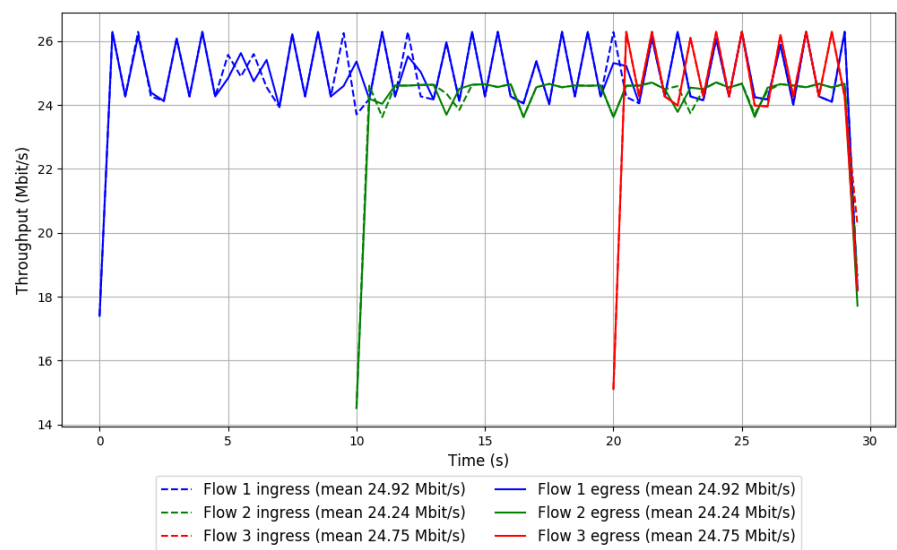


Run 3: Statistics of Sprout

Start at: 2017-09-21 20:24:47
End at: 2017-09-21 20:25:17
Local clock offset: 0.015 ms
Remote clock offset: -0.982 ms

```
# Below is generated by plot.py at 2017-09-22 03:23:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.42%
```


Run 3: Report of Sprout — Data Link

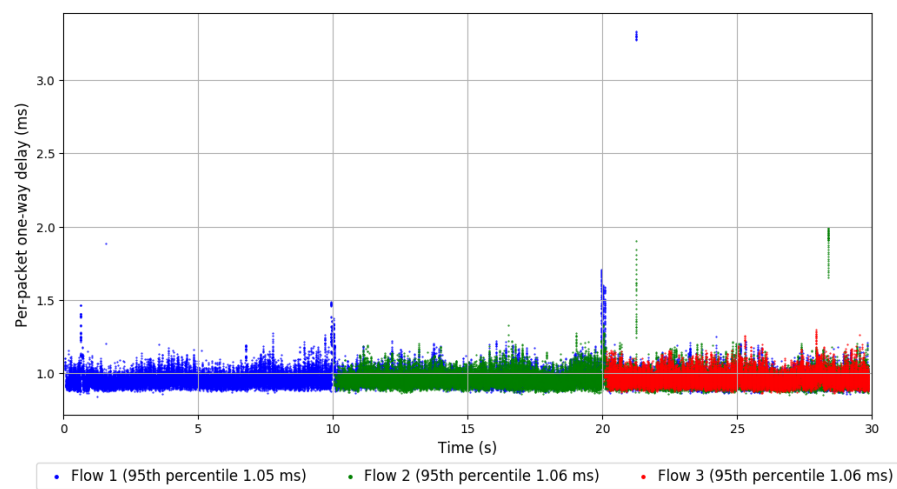
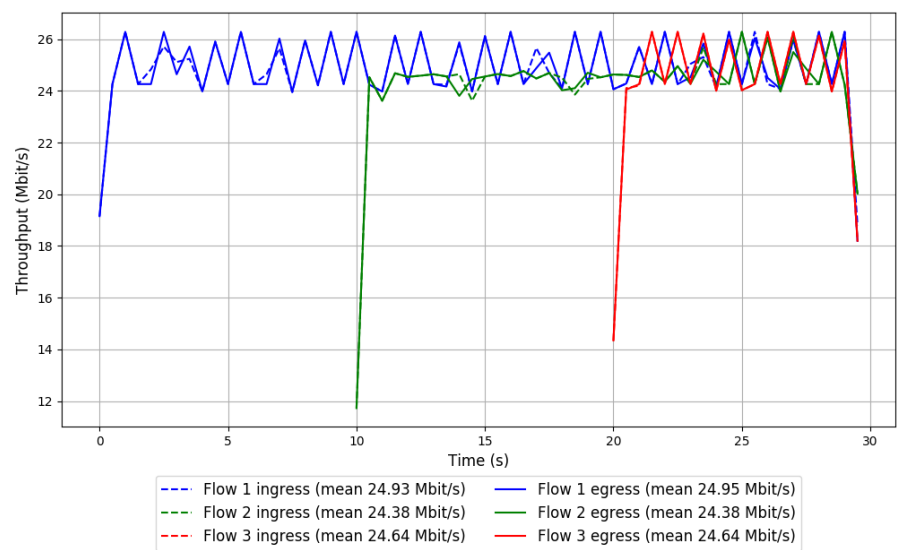


Run 4: Statistics of Sprout

Start at: 2017-09-21 20:45:29
End at: 2017-09-21 20:45:59
Local clock offset: 0.05 ms
Remote clock offset: -1.294 ms

```
# Below is generated by plot.py at 2017-09-22 03:23:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-09-21 21:06:06

End at: 2017-09-21 21:06:36

Local clock offset: 0.32 ms

Remote clock offset: -1.2 ms

Below is generated by plot.py at 2017-09-22 03:23:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.56 Mbit/s

95th percentile per-packet one-way delay: 1.099 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.91 Mbit/s

95th percentile per-packet one-way delay: 1.098 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.84 Mbit/s

95th percentile per-packet one-way delay: 1.098 ms

Loss rate: 0.00%

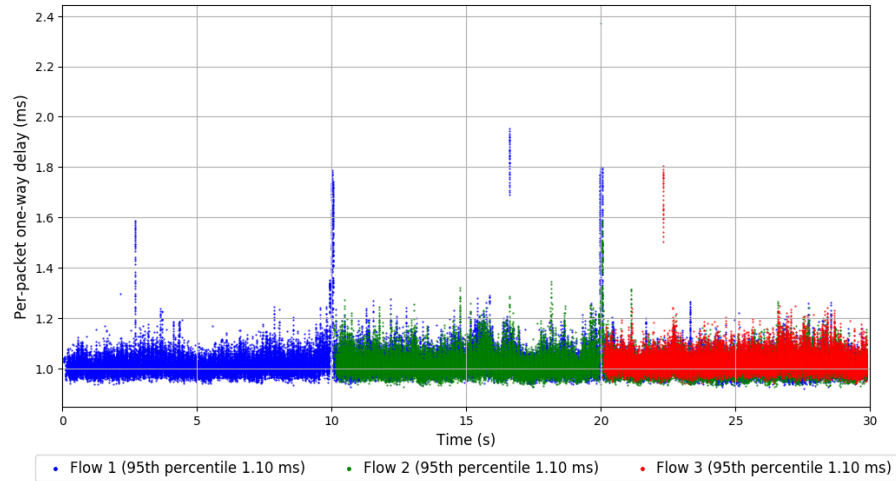
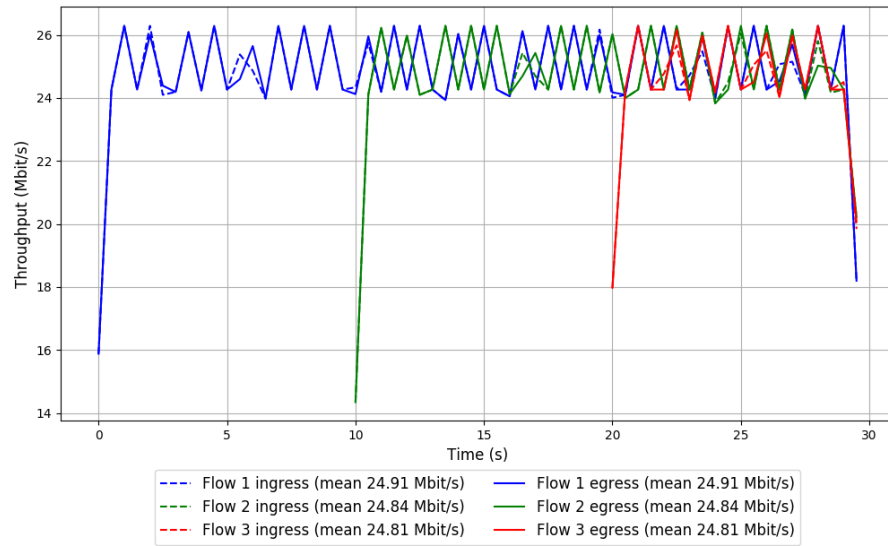
-- Flow 3:

Average throughput: 24.81 Mbit/s

95th percentile per-packet one-way delay: 1.101 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

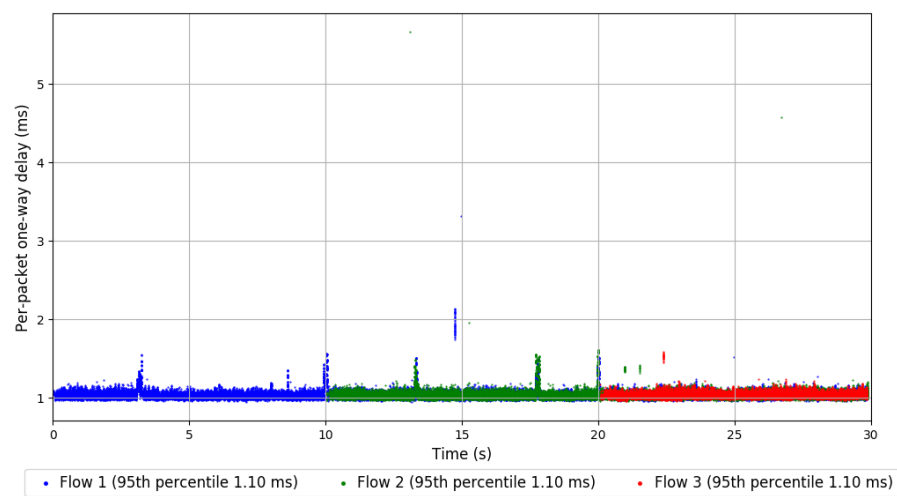
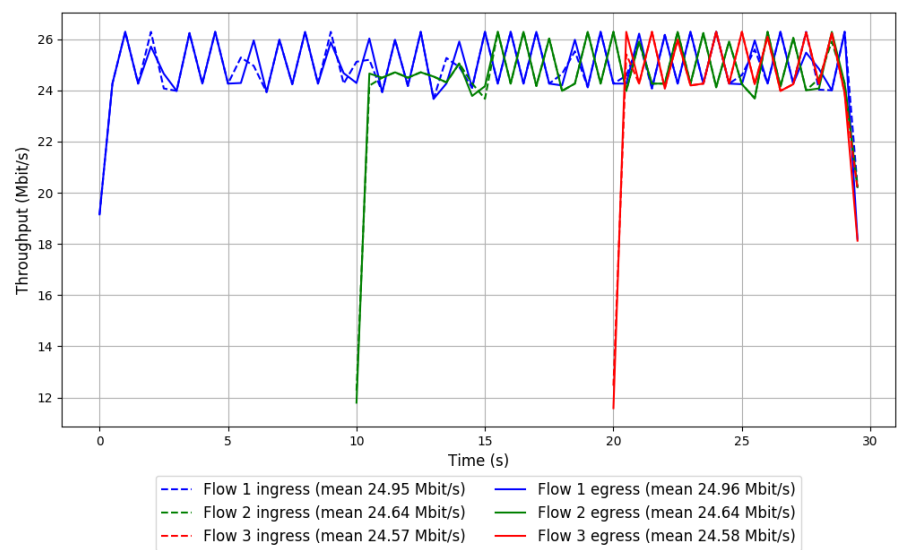


Run 6: Statistics of Sprout

Start at: 2017-09-21 21:26:44
End at: 2017-09-21 21:27:14
Local clock offset: 0.448 ms
Remote clock offset: -1.261 ms

```
# Below is generated by plot.py at 2017-09-22 03:23:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.42%
```

Run 6: Report of Sprout — Data Link

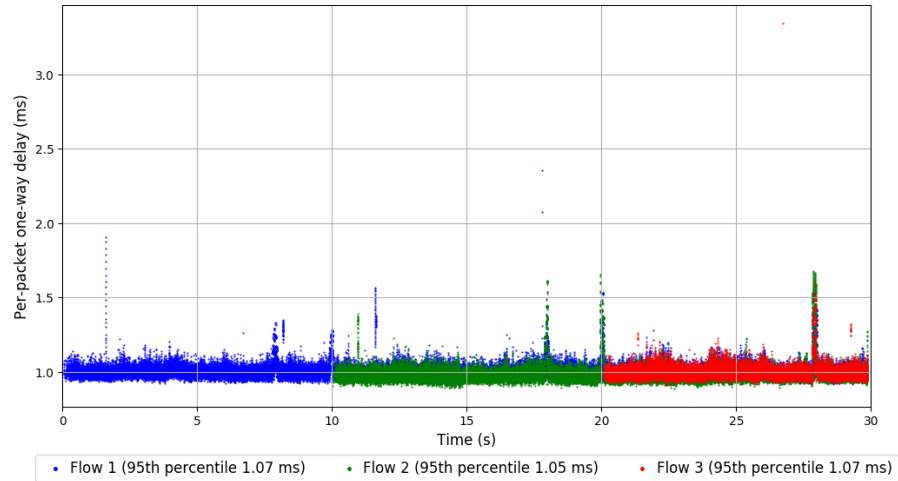
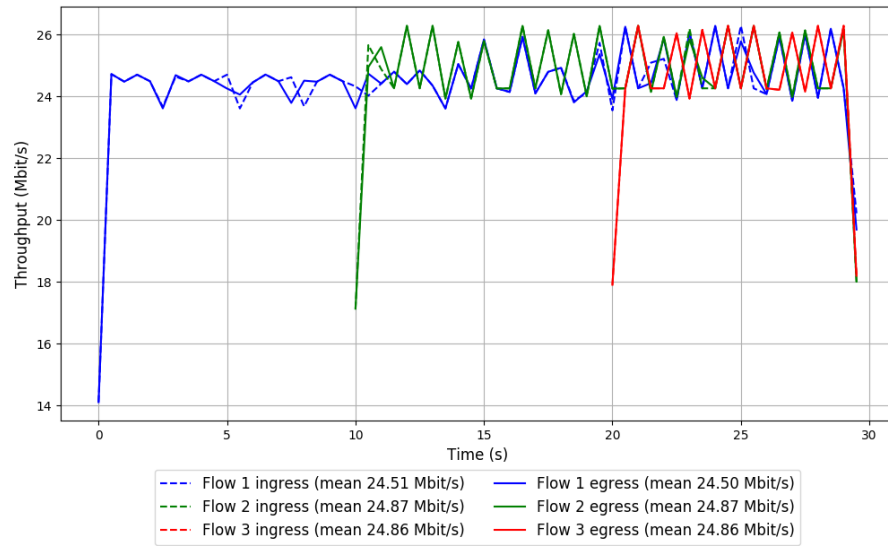


Run 7: Statistics of Sprout

Start at: 2017-09-21 21:47:29
End at: 2017-09-21 21:47:59
Local clock offset: 0.4 ms
Remote clock offset: -1.065 ms

```
# Below is generated by plot.py at 2017-09-22 03:23:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

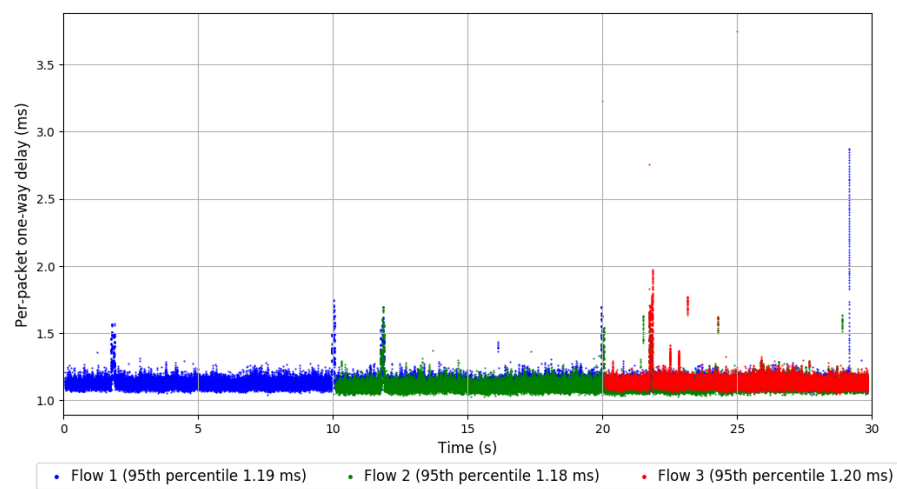
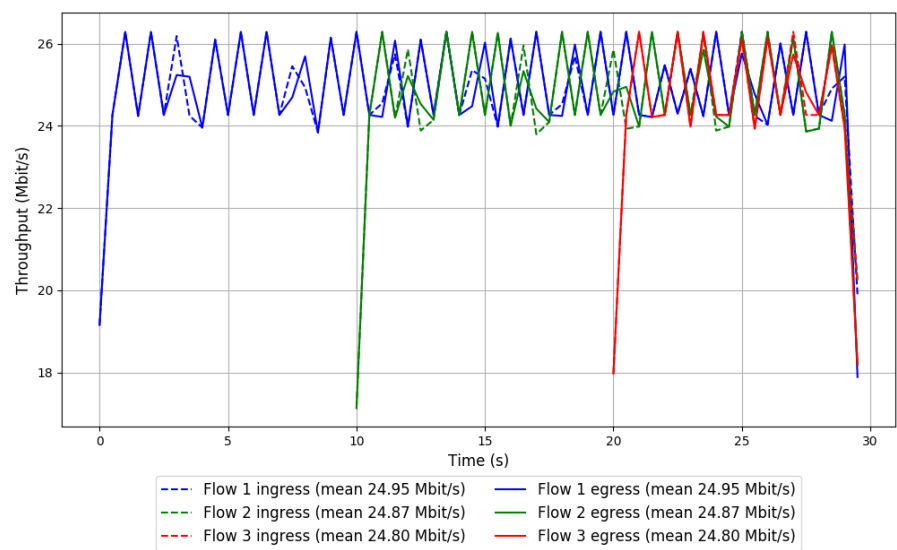


Run 8: Statistics of Sprout

Start at: 2017-09-21 22:08:18
End at: 2017-09-21 22:08:48
Local clock offset: 0.448 ms
Remote clock offset: -1.137 ms

```
# Below is generated by plot.py at 2017-09-22 03:23:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.41%
```

Run 8: Report of Sprout — Data Link

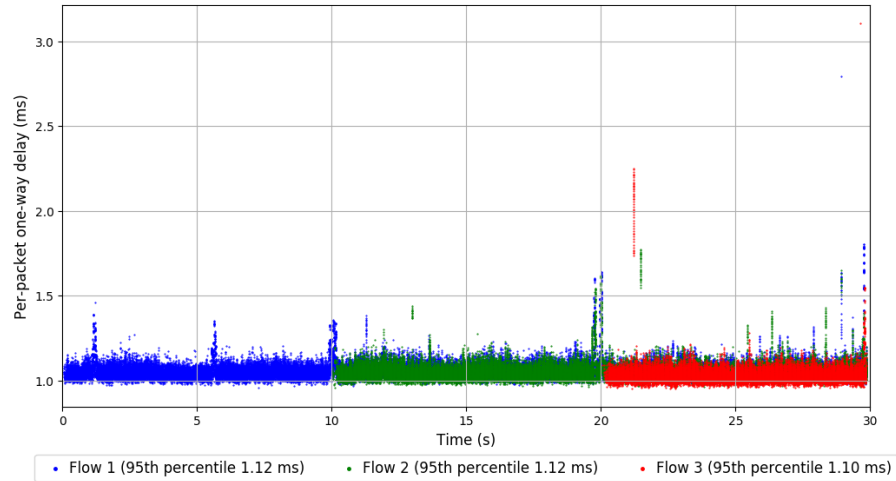
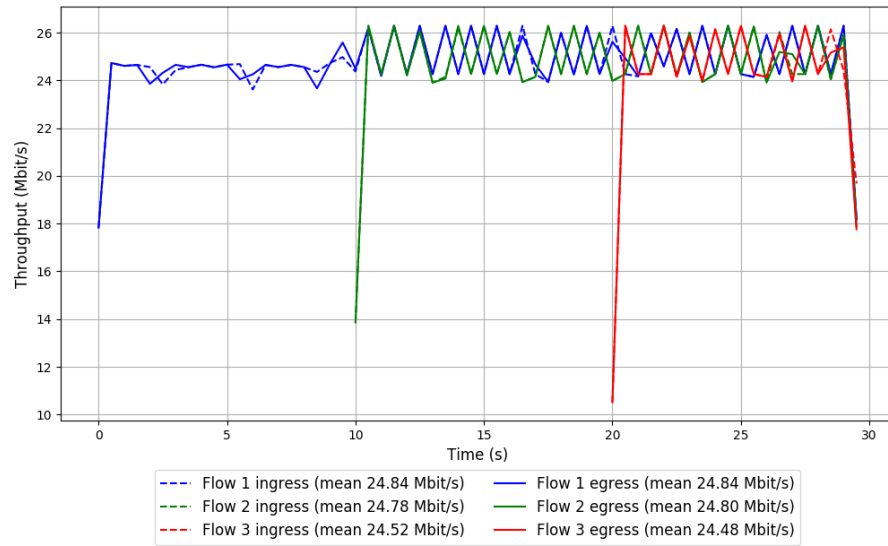


Run 9: Statistics of Sprout

Start at: 2017-09-21 22:29:00
End at: 2017-09-21 22:29:30
Local clock offset: 0.331 ms
Remote clock offset: -1.154 ms

```
# Below is generated by plot.py at 2017-09-22 03:23:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 1.097 ms
Loss rate: 0.40%
```

Run 9: Report of Sprout — Data Link

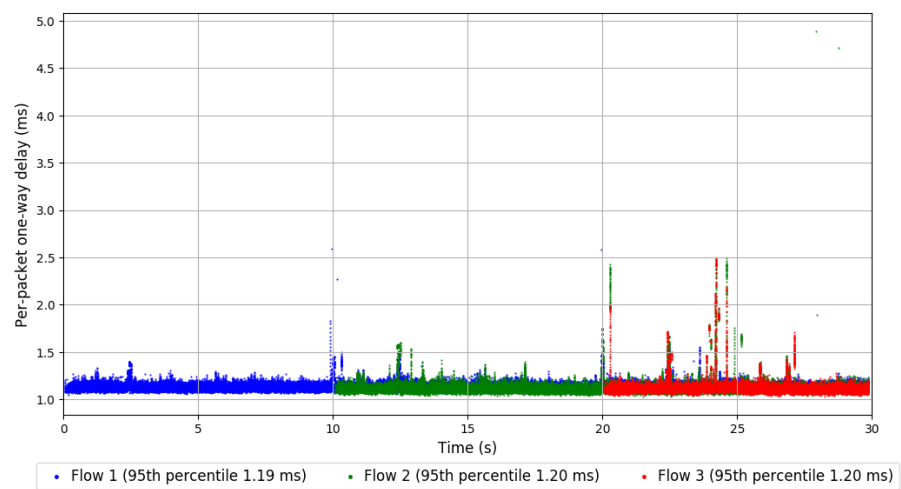
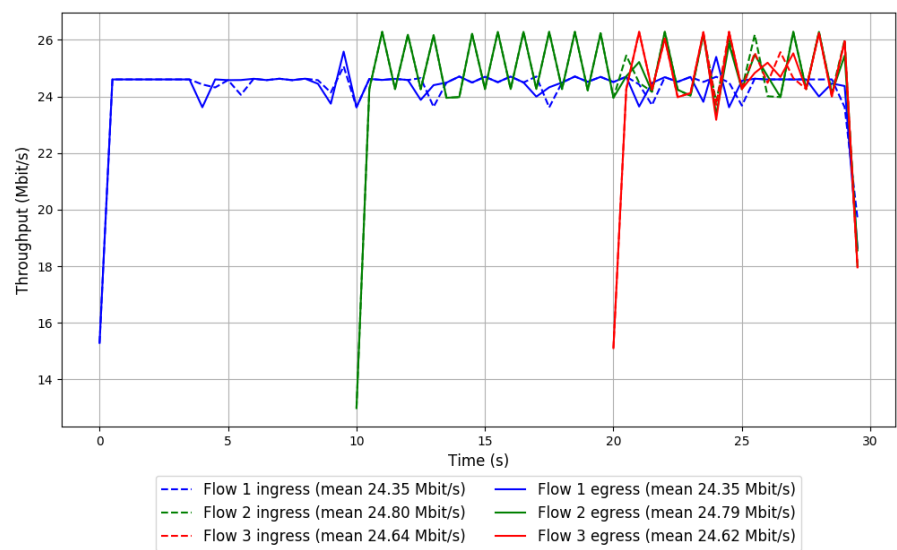


Run 10: Statistics of Sprout

Start at: 2017-09-21 22:49:27
End at: 2017-09-21 22:49:57
Local clock offset: 0.318 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2017-09-22 03:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.11%

Run 10: Report of Sprout — Data Link

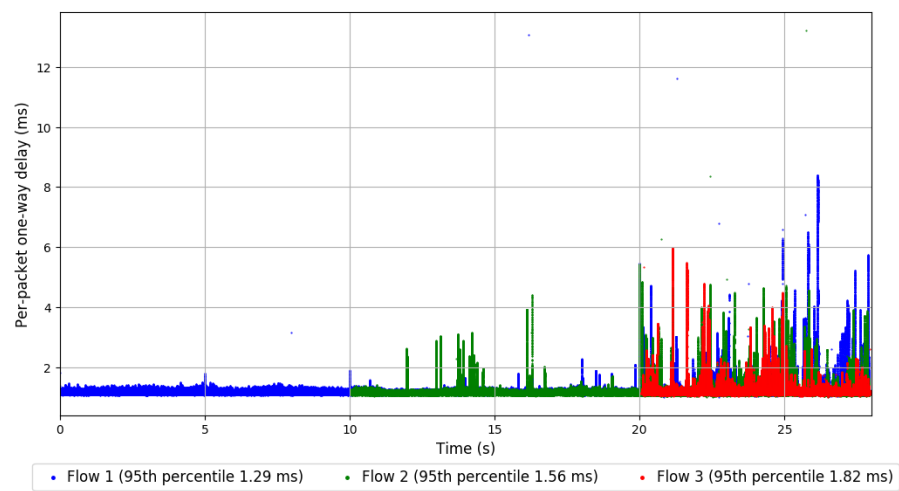
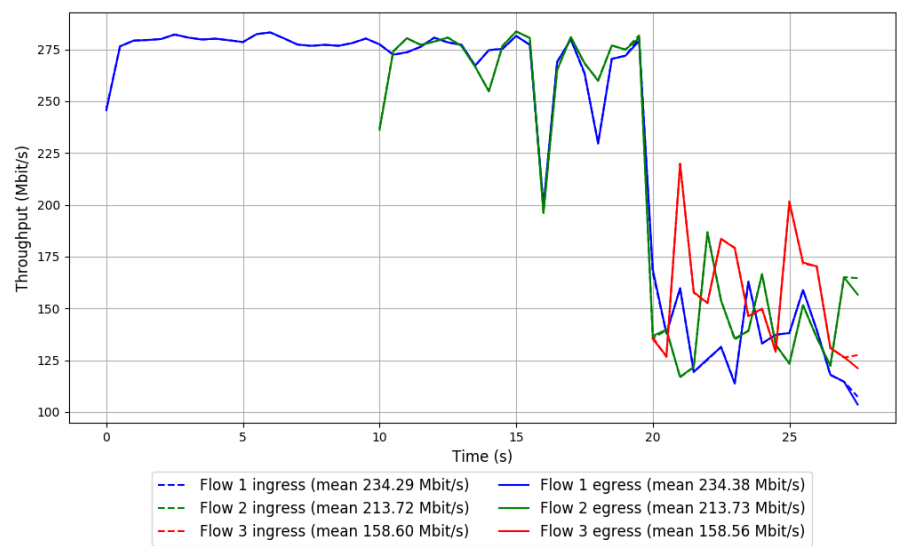


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 19:32:16
End at: 2017-09-21 19:32:46
Local clock offset: -0.533 ms
Remote clock offset: -2.303 ms

# Below is generated by plot.py at 2017-09-22 03:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 416.18 Mbit/s
95th percentile per-packet one-way delay: 1.421 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 234.38 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 213.73 Mbit/s
95th percentile per-packet one-way delay: 1.559 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 158.56 Mbit/s
95th percentile per-packet one-way delay: 1.819 ms
Loss rate: 0.26%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 19:53:00

End at: 2017-09-21 19:53:30

Local clock offset: -0.439 ms

Remote clock offset: -1.66 ms

Below is generated by plot.py at 2017-09-22 03:31:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 419.74 Mbit/s

95th percentile per-packet one-way delay: 1.286 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 238.61 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 213.13 Mbit/s

95th percentile per-packet one-way delay: 1.402 ms

Loss rate: 0.04%

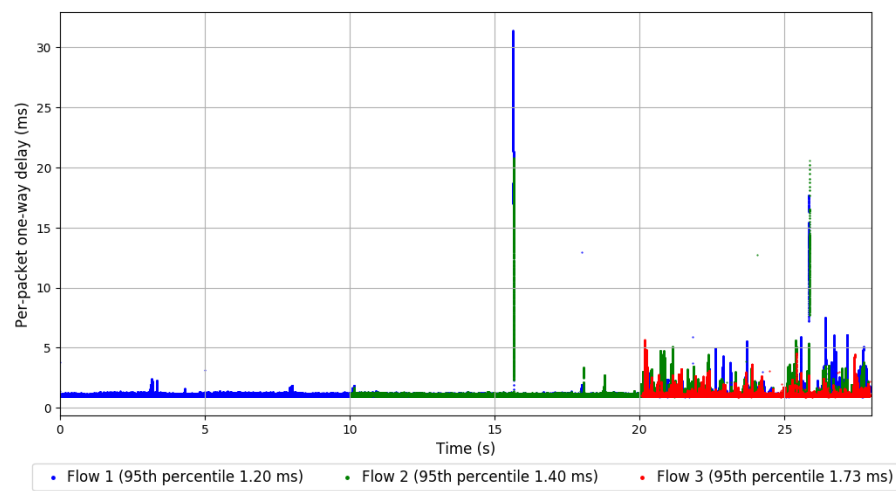
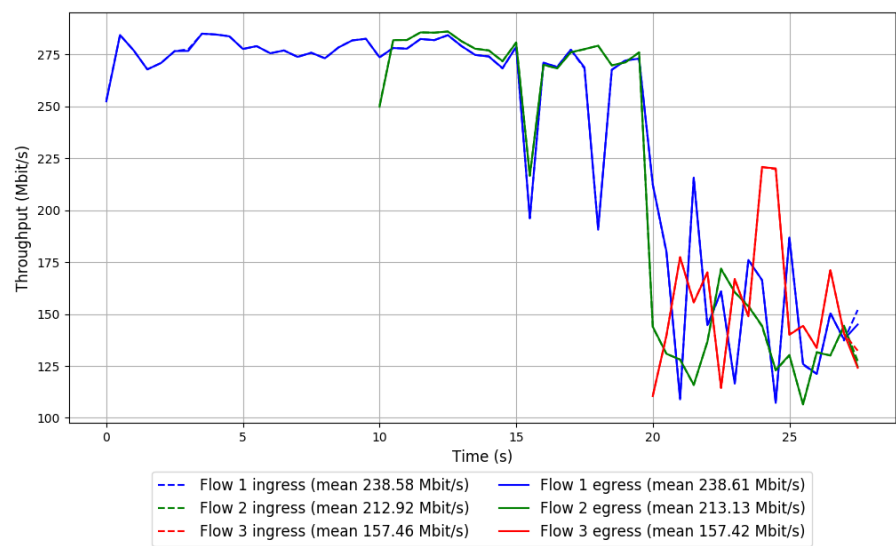
-- Flow 3:

Average throughput: 157.42 Mbit/s

95th percentile per-packet one-way delay: 1.729 ms

Loss rate: 0.33%

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

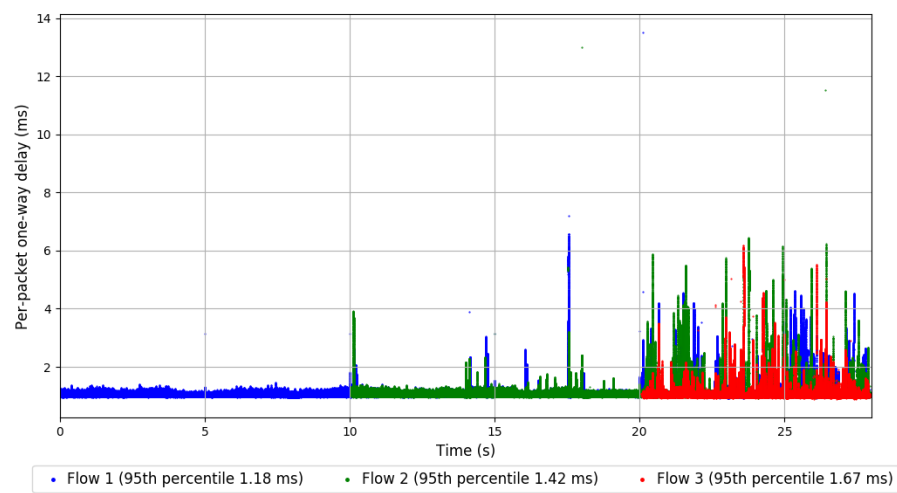
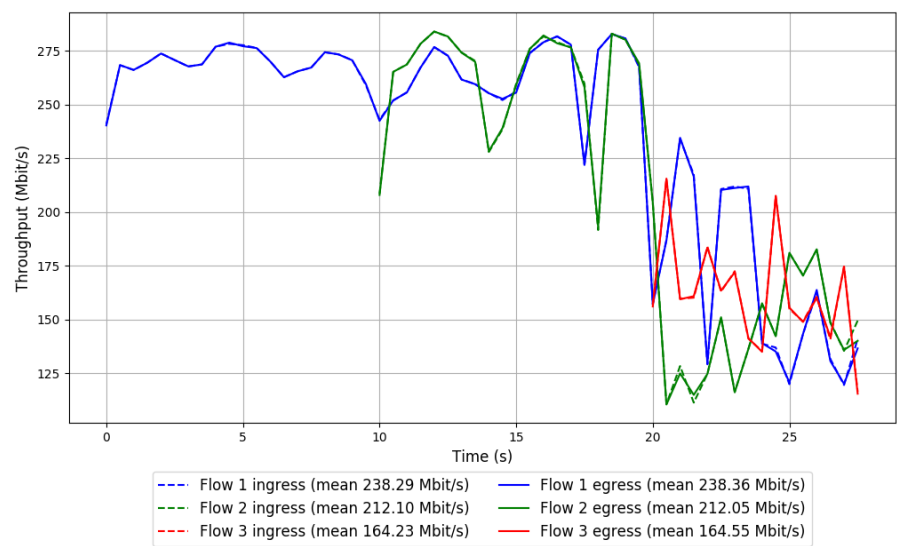


Run 3: Statistics of TaoVA-100x

Start at: 2017-09-21 20:13:30
End at: 2017-09-21 20:14:00
Local clock offset: 0.033 ms
Remote clock offset: -0.964 ms

Below is generated by plot.py at 2017-09-22 03:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.70 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 238.36 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 212.05 Mbit/s
95th percentile per-packet one-way delay: 1.424 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 164.55 Mbit/s
95th percentile per-packet one-way delay: 1.672 ms
Loss rate: 0.04%

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

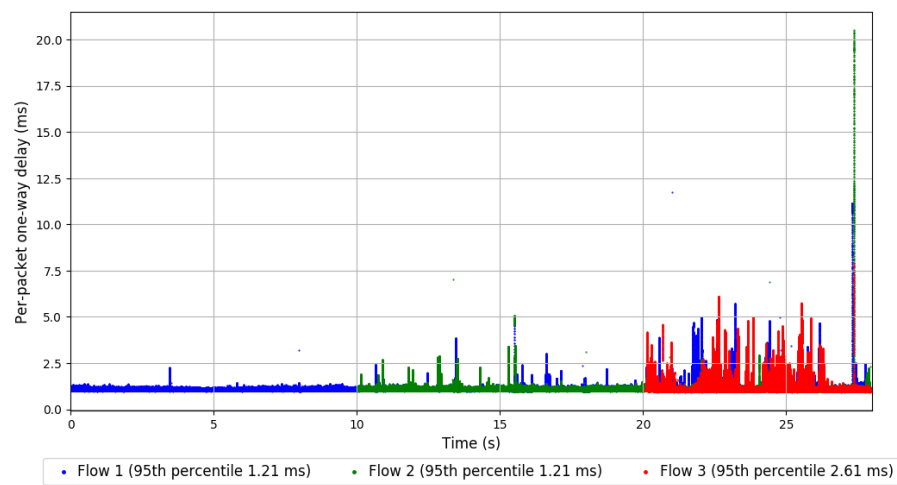
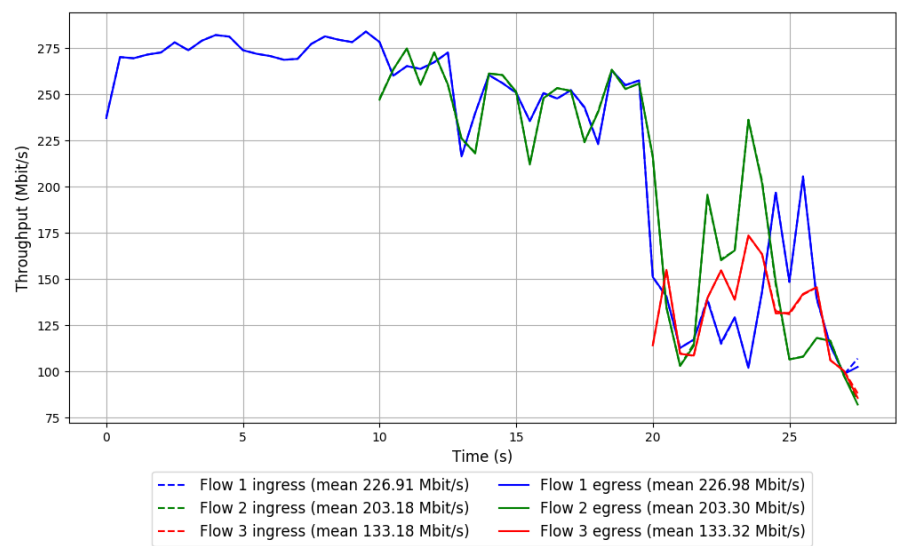


Run 4: Statistics of TaoVA-100x

Start at: 2017-09-21 20:34:11
End at: 2017-09-21 20:34:41
Local clock offset: 0.04 ms
Remote clock offset: -1.188 ms

Below is generated by plot.py at 2017-09-22 03:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.03 Mbit/s
95th percentile per-packet one-way delay: 1.268 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 226.98 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 203.30 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 133.32 Mbit/s
95th percentile per-packet one-way delay: 2.614 ms
Loss rate: 0.13%

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

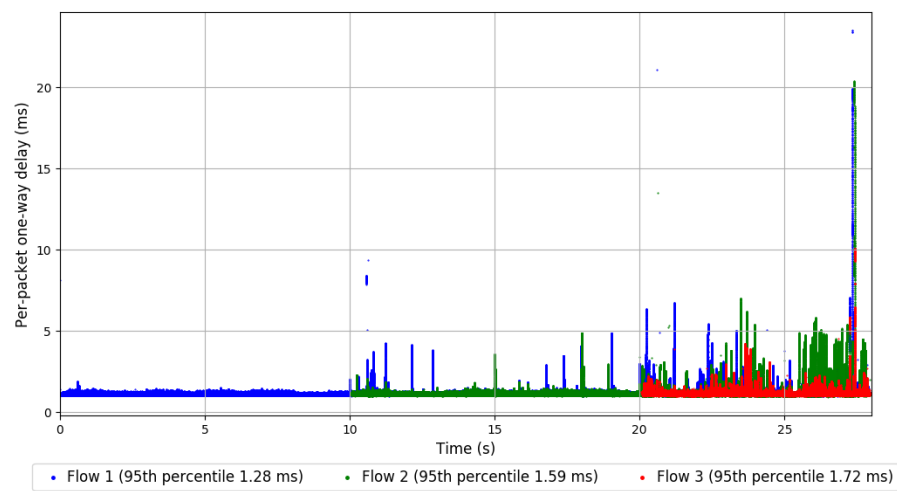
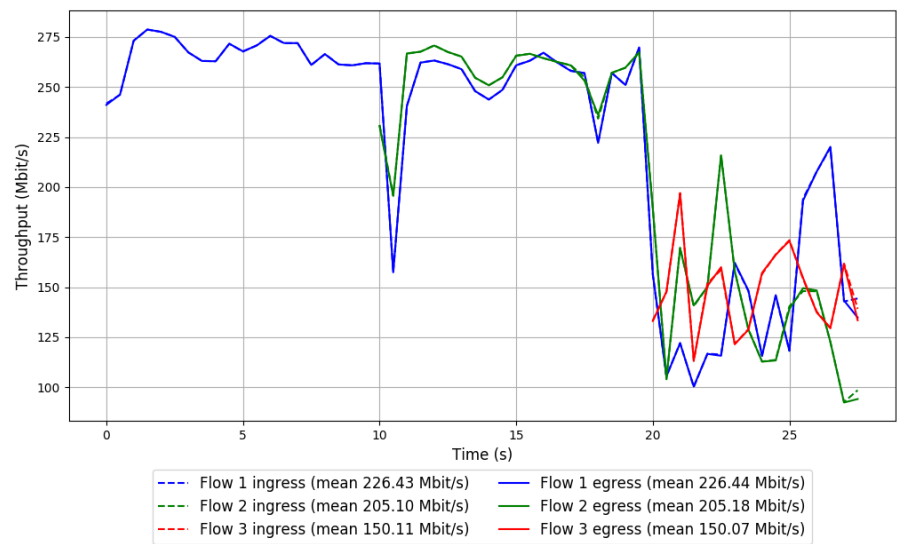


Run 5: Statistics of TaoVA-100x

Start at: 2017-09-21 20:54:54
End at: 2017-09-21 20:55:24
Local clock offset: 0.205 ms
Remote clock offset: -1.291 ms

Below is generated by plot.py at 2017-09-22 03:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.31 Mbit/s
95th percentile per-packet one-way delay: 1.409 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 226.44 Mbit/s
95th percentile per-packet one-way delay: 1.283 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 205.18 Mbit/s
95th percentile per-packet one-way delay: 1.587 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 150.07 Mbit/s
95th percentile per-packet one-way delay: 1.723 ms
Loss rate: 0.27%

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

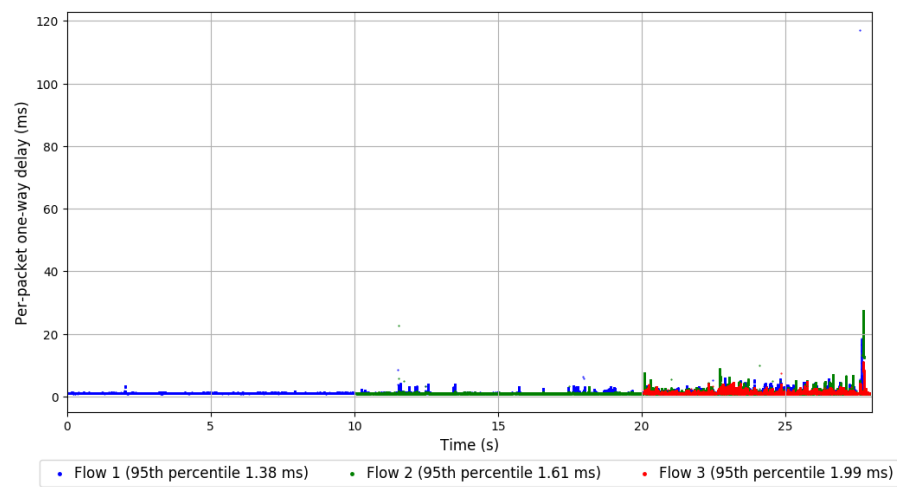
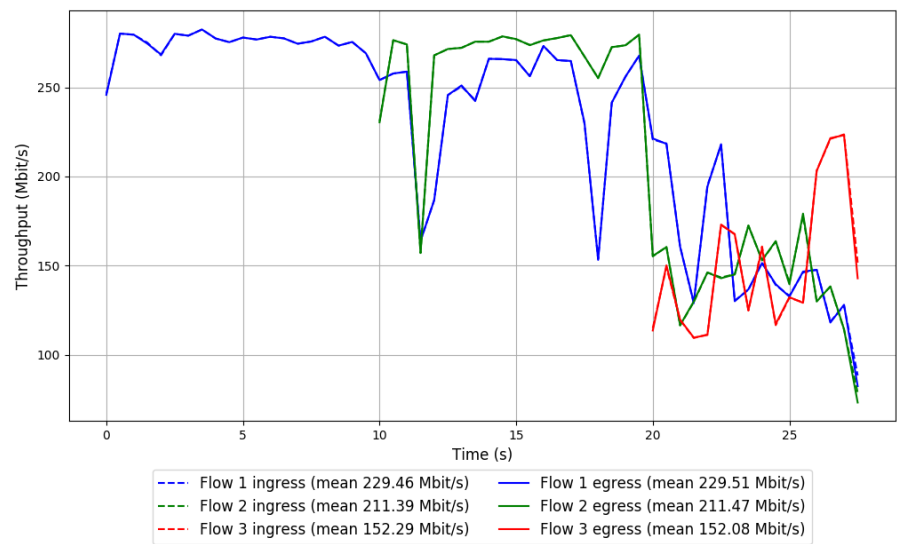


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-21 21:15:33
End at: 2017-09-21 21:16:03
Local clock offset: 0.357 ms
Remote clock offset: -1.306 ms

Below is generated by plot.py at 2017-09-22 03:31:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.01 Mbit/s
95th percentile per-packet one-way delay: 1.556 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 229.51 Mbit/s
95th percentile per-packet one-way delay: 1.383 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 211.47 Mbit/s
95th percentile per-packet one-way delay: 1.606 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 152.08 Mbit/s
95th percentile per-packet one-way delay: 1.990 ms
Loss rate: 0.38%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-09-21 21:36:13

End at: 2017-09-21 21:36:43

Local clock offset: 0.461 ms

Remote clock offset: -1.17 ms

Below is generated by plot.py at 2017-09-22 03:32:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.14 Mbit/s

95th percentile per-packet one-way delay: 1.274 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 222.31 Mbit/s

95th percentile per-packet one-way delay: 1.100 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 214.20 Mbit/s

95th percentile per-packet one-way delay: 1.409 ms

Loss rate: 0.04%

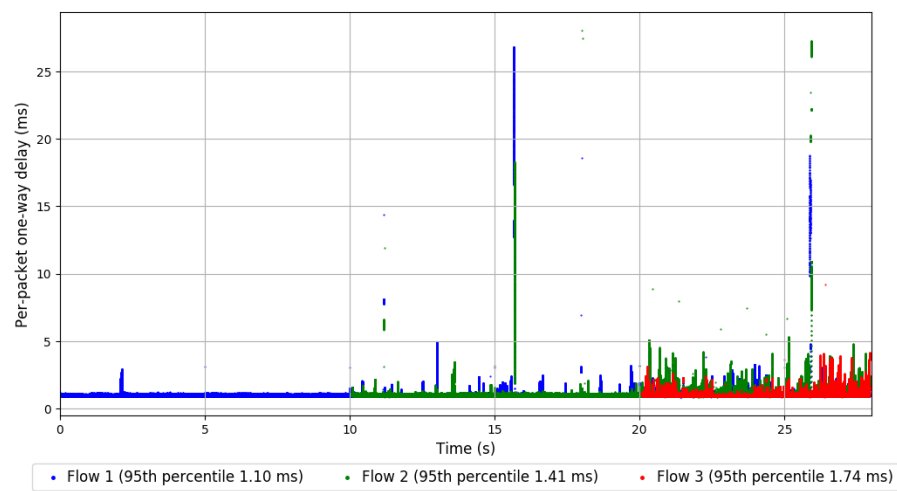
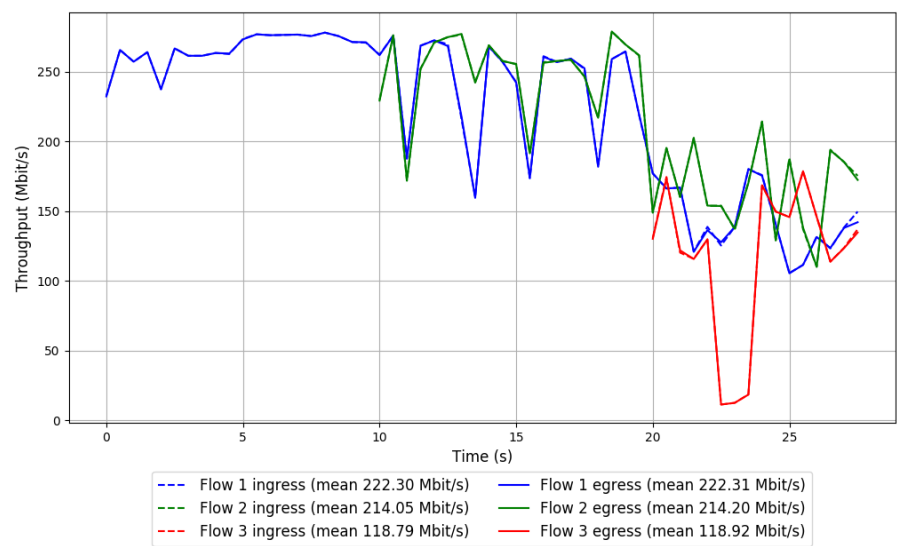
-- Flow 3:

Average throughput: 118.92 Mbit/s

95th percentile per-packet one-way delay: 1.741 ms

Loss rate: 0.14%

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

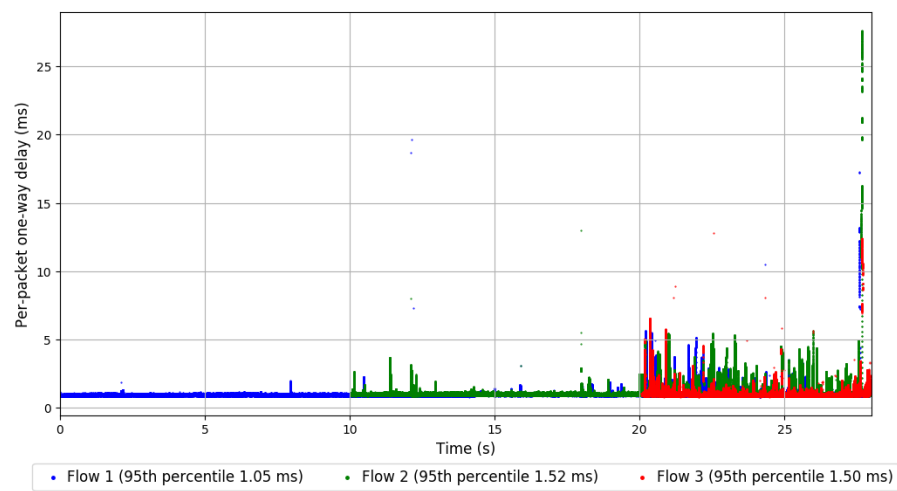
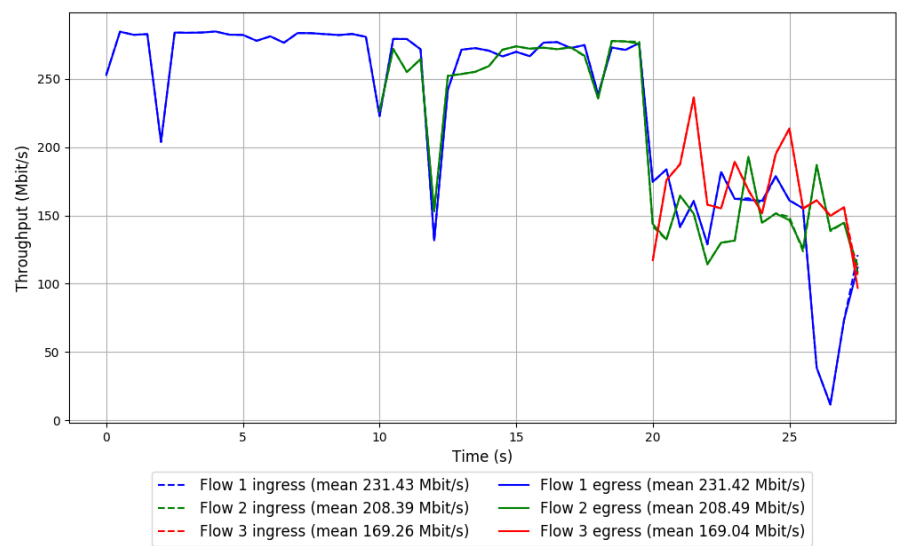


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-21 21:57:03
End at: 2017-09-21 21:57:33
Local clock offset: 0.354 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2017-09-22 03:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 412.85 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 231.42 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 208.49 Mbit/s
95th percentile per-packet one-way delay: 1.524 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 169.04 Mbit/s
95th percentile per-packet one-way delay: 1.500 ms
Loss rate: 0.36%

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

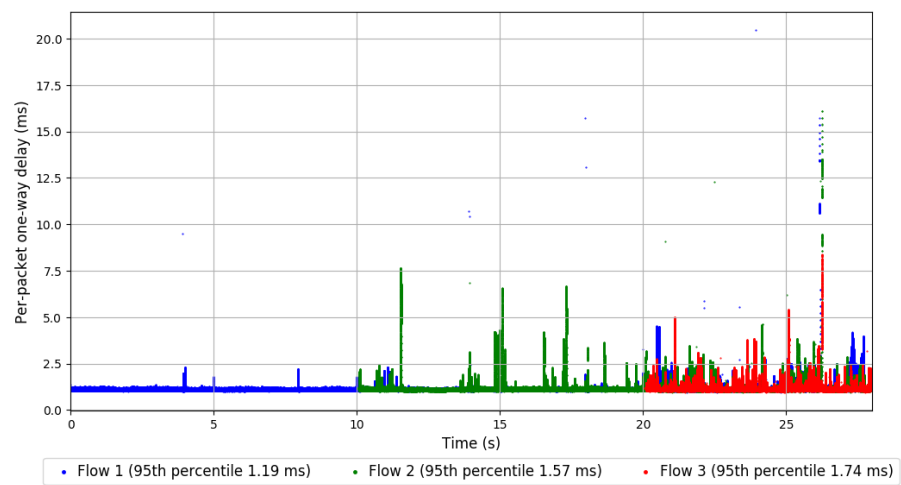
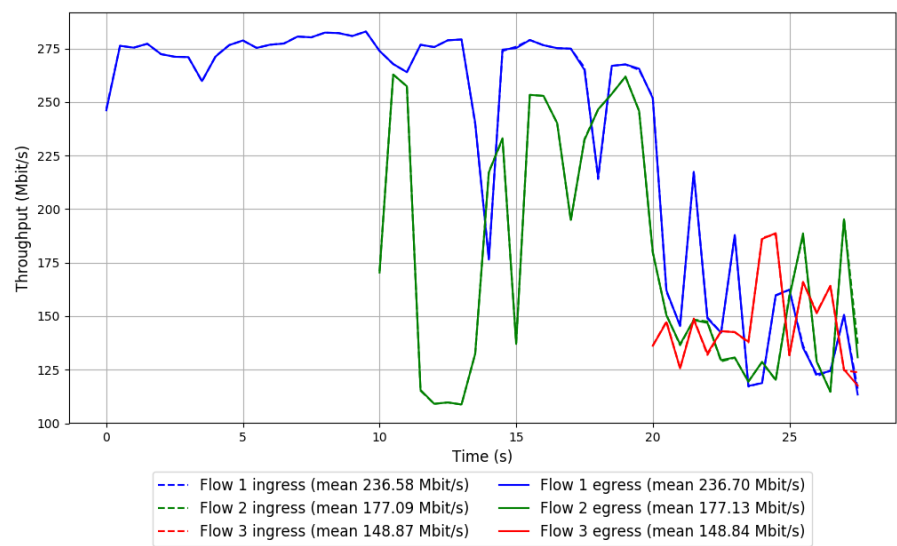


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-21 22:17:44
End at: 2017-09-21 22:18:14
Local clock offset: 0.461 ms
Remote clock offset: -1.143 ms

Below is generated by plot.py at 2017-09-22 03:40:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 392.18 Mbit/s
95th percentile per-packet one-way delay: 1.328 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 236.70 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 177.13 Mbit/s
95th percentile per-packet one-way delay: 1.572 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 148.84 Mbit/s
95th percentile per-packet one-way delay: 1.739 ms
Loss rate: 0.27%

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

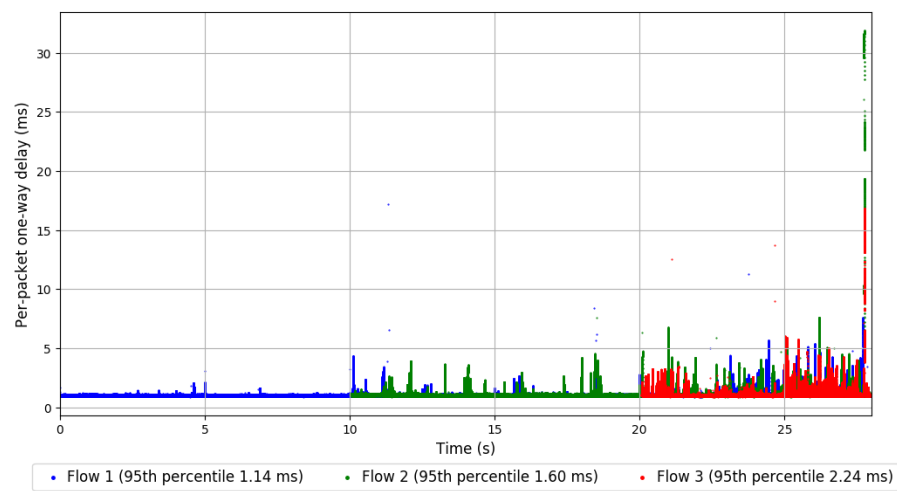
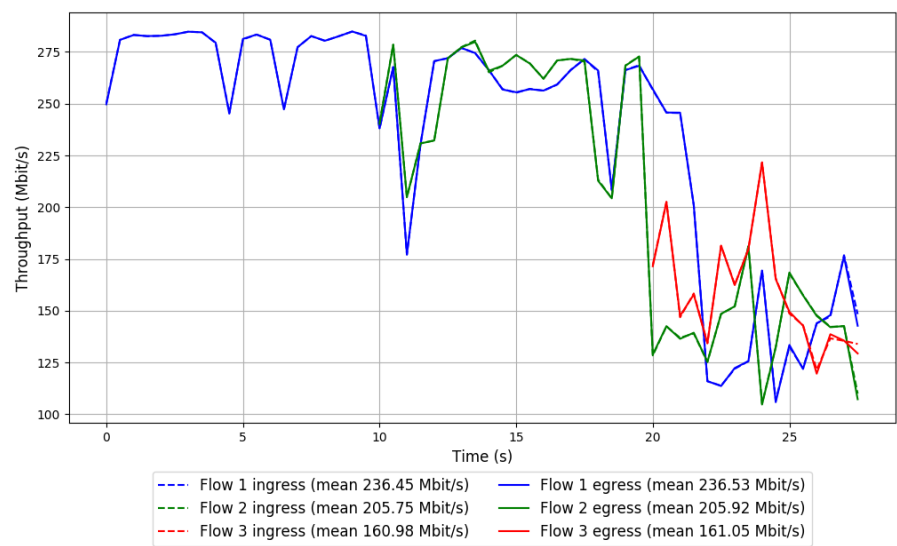


Run 10: Statistics of TaoVA-100x

Start at: 2017-09-21 22:38:19
End at: 2017-09-21 22:38:49
Local clock offset: 0.283 ms
Remote clock offset: -1.099 ms

Below is generated by plot.py at 2017-09-22 03:40:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.14 Mbit/s
95th percentile per-packet one-way delay: 1.407 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 236.53 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 205.92 Mbit/s
95th percentile per-packet one-way delay: 1.604 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 161.05 Mbit/s
95th percentile per-packet one-way delay: 2.240 ms
Loss rate: 0.18%

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

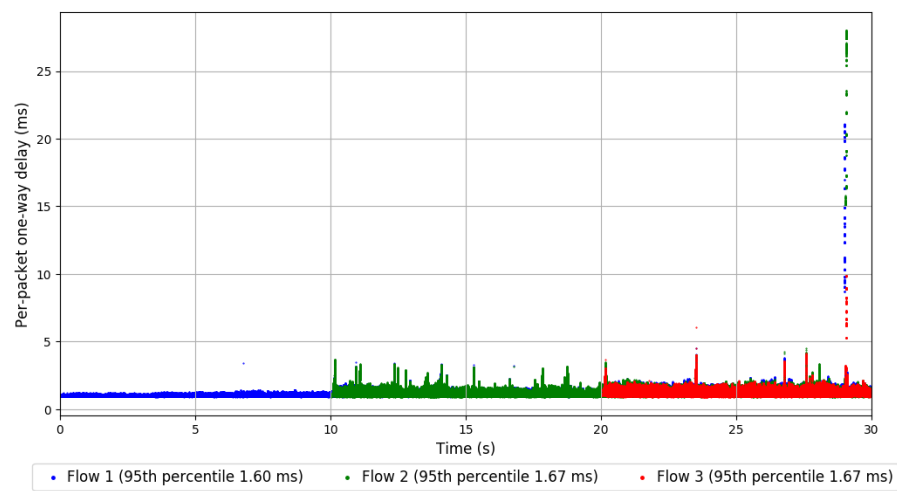
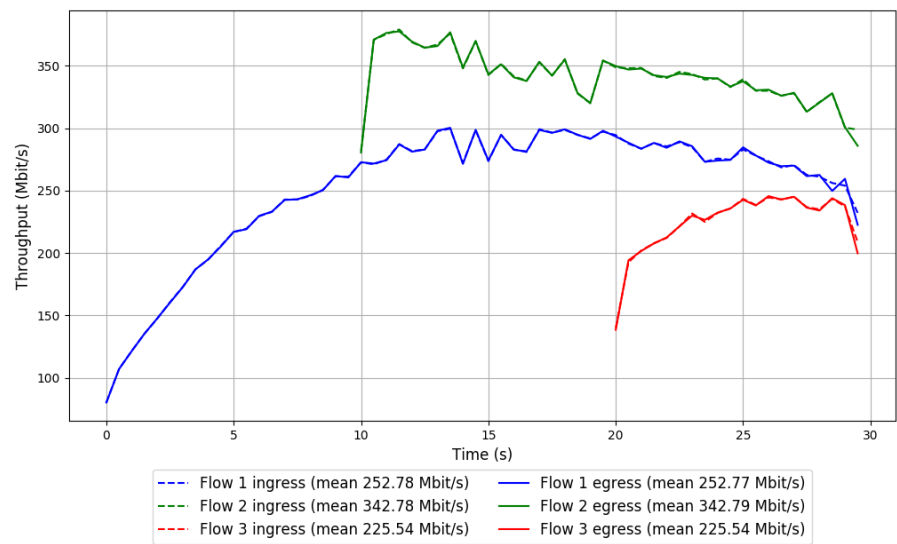


Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 19:25:28
End at: 2017-09-21 19:25:58
Local clock offset: -0.556 ms
Remote clock offset: -2.339 ms

Below is generated by plot.py at 2017-09-22 03:40:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.56 Mbit/s
95th percentile per-packet one-way delay: 1.639 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 252.77 Mbit/s
95th percentile per-packet one-way delay: 1.603 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 342.79 Mbit/s
95th percentile per-packet one-way delay: 1.665 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 225.54 Mbit/s
95th percentile per-packet one-way delay: 1.665 ms
Loss rate: 0.20%

Run 1: Report of TCP Vegas — Data Link

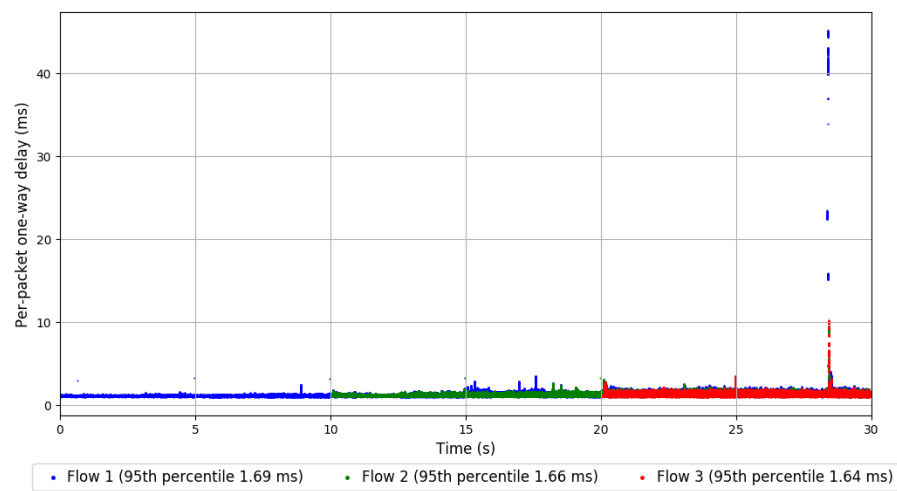
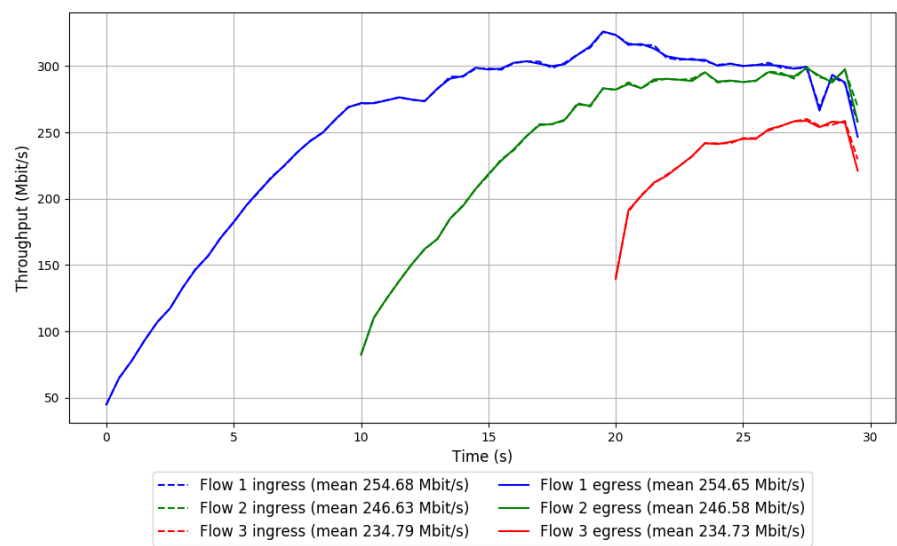


Run 2: Statistics of TCP Vegas

Start at: 2017-09-21 19:46:13
End at: 2017-09-21 19:46:43
Local clock offset: -0.448 ms
Remote clock offset: -1.862 ms

Below is generated by plot.py at 2017-09-22 03:40:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.50 Mbit/s
95th percentile per-packet one-way delay: 1.668 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 254.65 Mbit/s
95th percentile per-packet one-way delay: 1.685 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 246.58 Mbit/s
95th percentile per-packet one-way delay: 1.656 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 234.73 Mbit/s
95th percentile per-packet one-way delay: 1.640 ms
Loss rate: 0.22%

Run 2: Report of TCP Vegas — Data Link

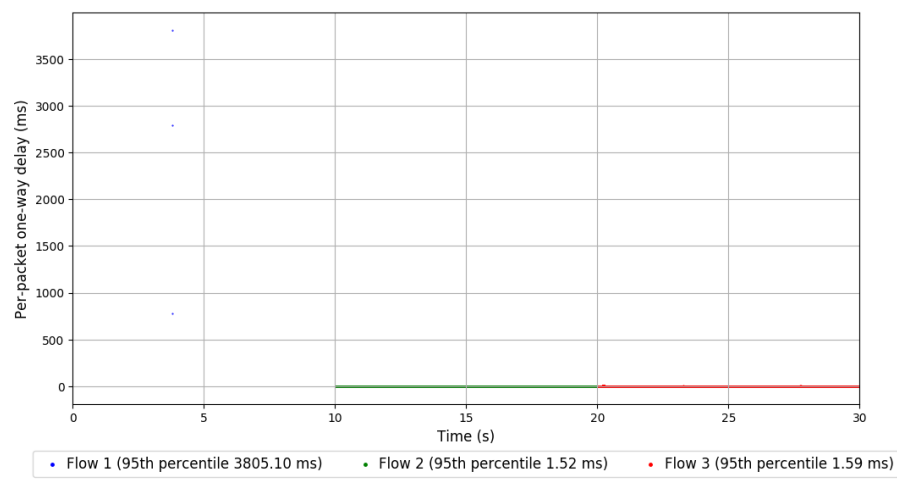
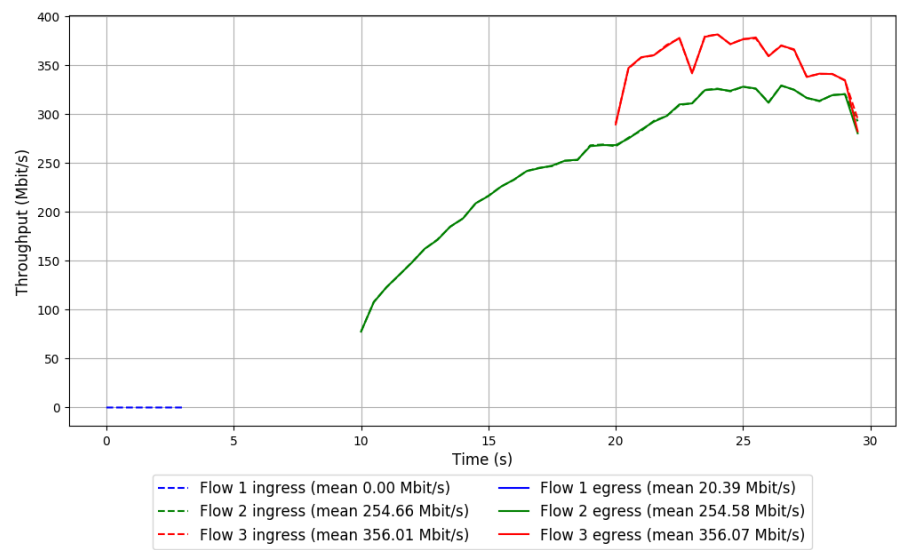


Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 20:06:55
End at: 2017-09-21 20:07:25
Local clock offset: -0.045 ms
Remote clock offset: -1.109 ms

Below is generated by plot.py at 2017-09-22 03:40:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 329.24 Mbit/s
95th percentile per-packet one-way delay: 1.545 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 20.39 Mbit/s
95th percentile per-packet one-way delay: 3805.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 254.58 Mbit/s
95th percentile per-packet one-way delay: 1.516 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 356.07 Mbit/s
95th percentile per-packet one-way delay: 1.589 ms
Loss rate: 0.18%

Run 3: Report of TCP Vegas — Data Link

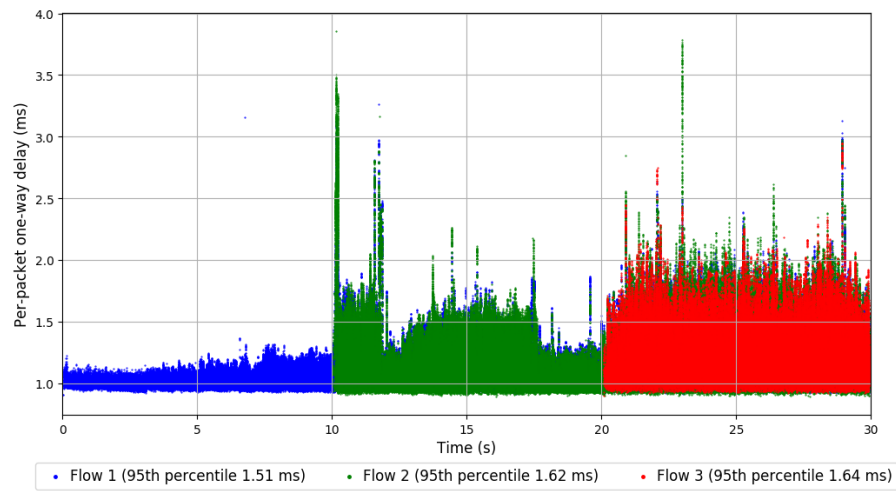
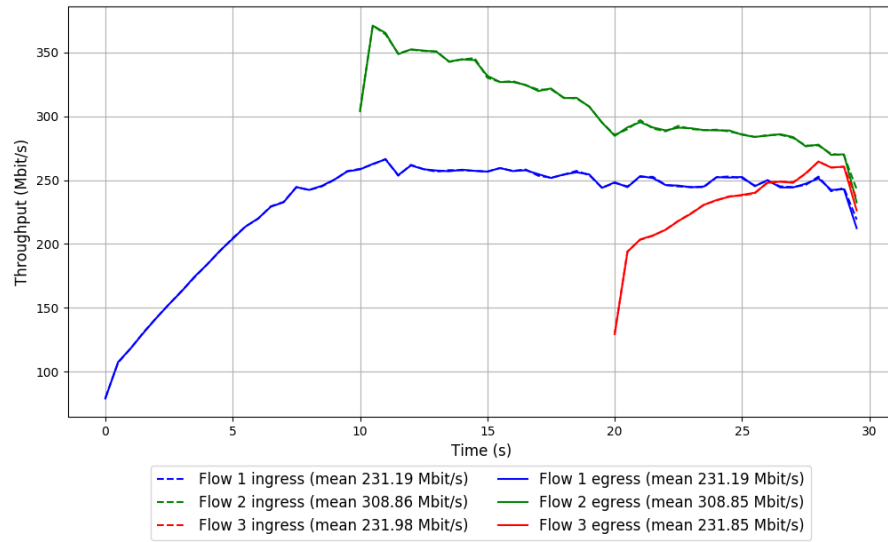


Run 4: Statistics of TCP Vegas

Start at: 2017-09-21 20:27:24
End at: 2017-09-21 20:27:54
Local clock offset: 0.007 ms
Remote clock offset: -1.038 ms

Below is generated by plot.py at 2017-09-22 03:40:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 513.28 Mbit/s
95th percentile per-packet one-way delay: 1.584 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 231.19 Mbit/s
95th percentile per-packet one-way delay: 1.511 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 308.85 Mbit/s
95th percentile per-packet one-way delay: 1.620 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 231.85 Mbit/s
95th percentile per-packet one-way delay: 1.644 ms
Loss rate: 0.21%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-09-21 20:48:08

End at: 2017-09-21 20:48:38

Local clock offset: 0.049 ms

Remote clock offset: -1.39 ms

Below is generated by plot.py at 2017-09-22 03:40:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 486.40 Mbit/s

95th percentile per-packet one-way delay: 1.550 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 244.04 Mbit/s

95th percentile per-packet one-way delay: 1.485 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 257.82 Mbit/s

95th percentile per-packet one-way delay: 1.587 ms

Loss rate: 0.09%

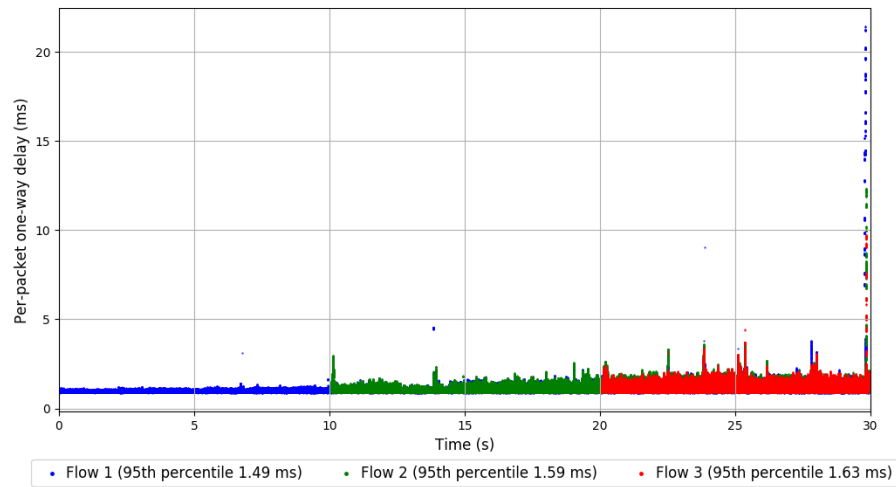
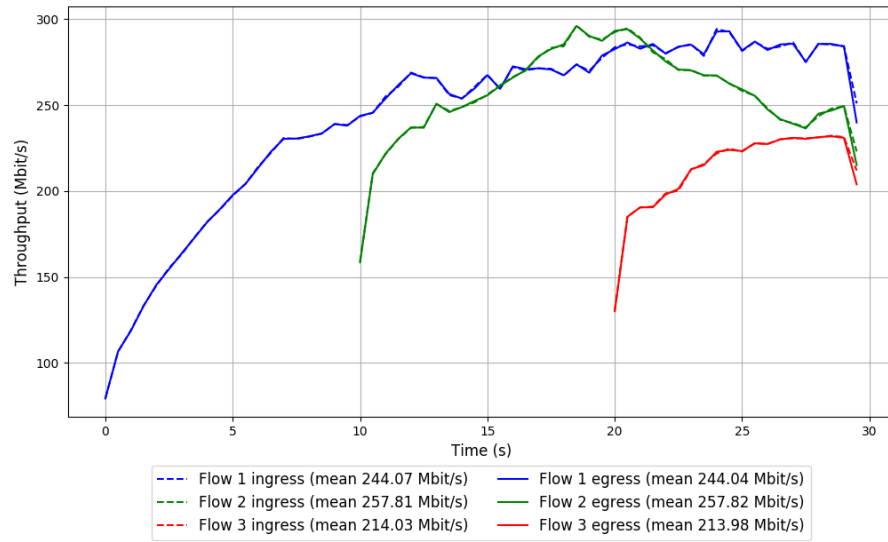
-- Flow 3:

Average throughput: 213.98 Mbit/s

95th percentile per-packet one-way delay: 1.629 ms

Loss rate: 0.22%

Run 5: Report of TCP Vegas — Data Link

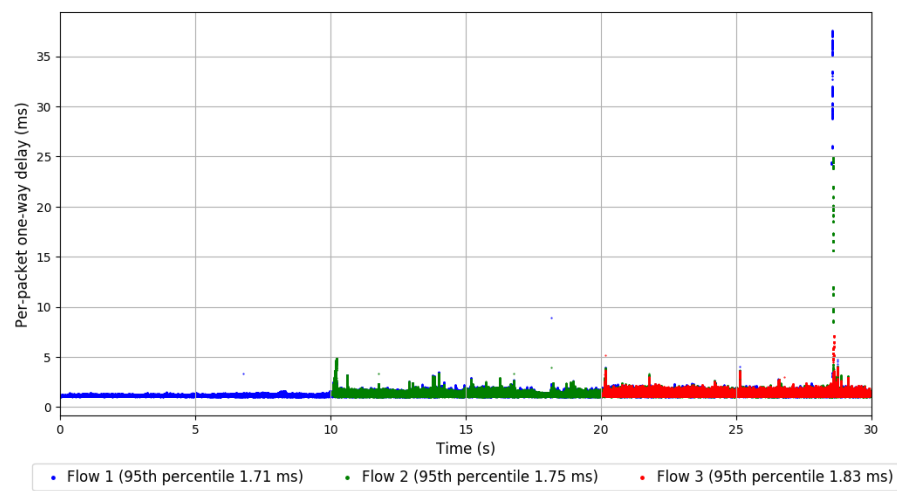
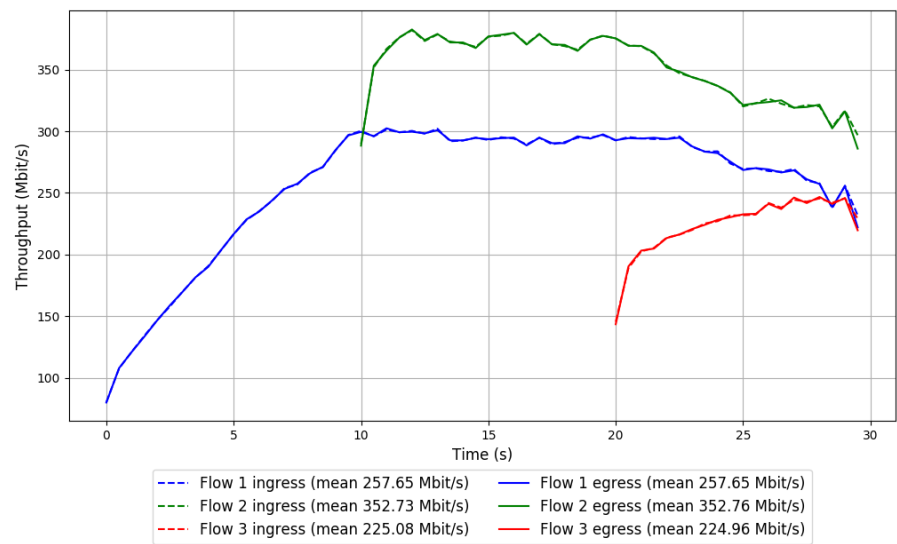


Run 6: Statistics of TCP Vegas

Start at: 2017-09-21 21:08:44
End at: 2017-09-21 21:09:14
Local clock offset: 0.365 ms
Remote clock offset: -1.303 ms

Below is generated by plot.py at 2017-09-22 03:41:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 566.95 Mbit/s
95th percentile per-packet one-way delay: 1.745 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 257.65 Mbit/s
95th percentile per-packet one-way delay: 1.712 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 352.76 Mbit/s
95th percentile per-packet one-way delay: 1.745 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 224.96 Mbit/s
95th percentile per-packet one-way delay: 1.828 ms
Loss rate: 0.23%

Run 6: Report of TCP Vegas — Data Link

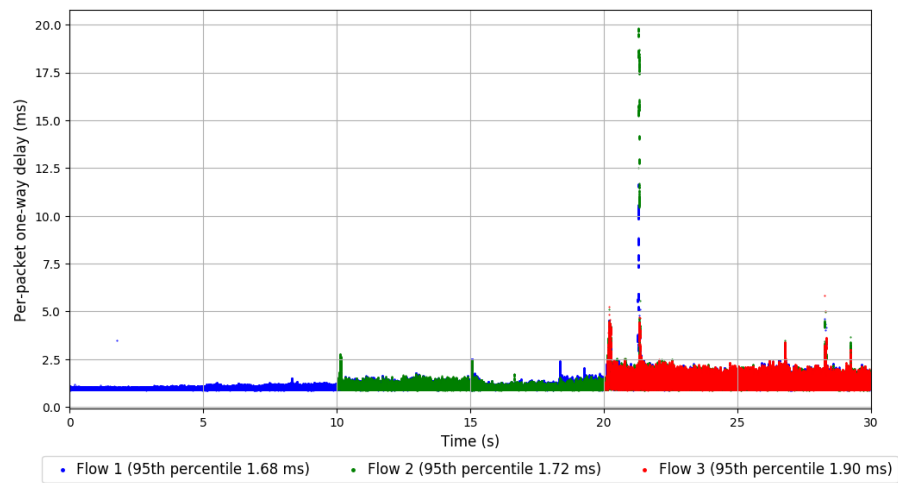
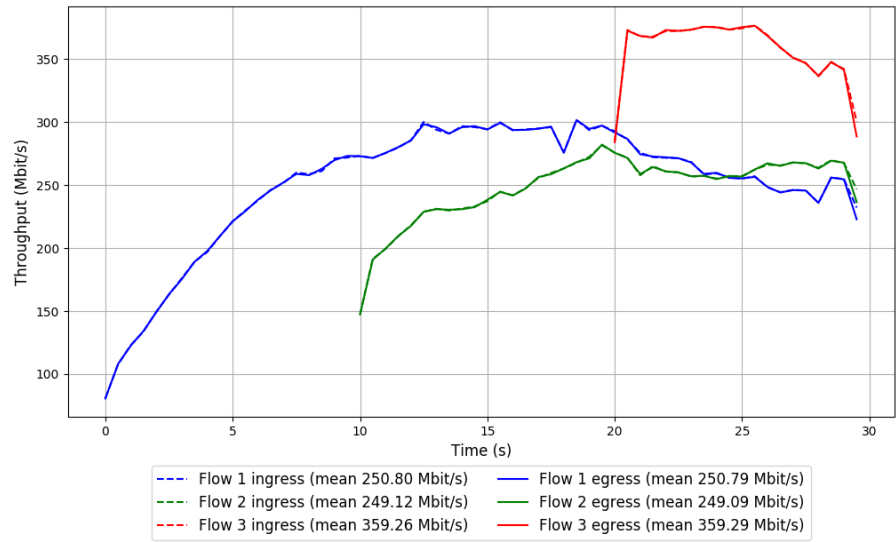


Run 7: Statistics of TCP Vegas

Start at: 2017-09-21 21:29:24
End at: 2017-09-21 21:29:54
Local clock offset: 0.444 ms
Remote clock offset: -1.201 ms

Below is generated by plot.py at 2017-09-22 03:42:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 535.59 Mbit/s
95th percentile per-packet one-way delay: 1.764 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 250.79 Mbit/s
95th percentile per-packet one-way delay: 1.684 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 249.09 Mbit/s
95th percentile per-packet one-way delay: 1.724 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 359.29 Mbit/s
95th percentile per-packet one-way delay: 1.900 ms
Loss rate: 0.18%

Run 7: Report of TCP Vegas — Data Link

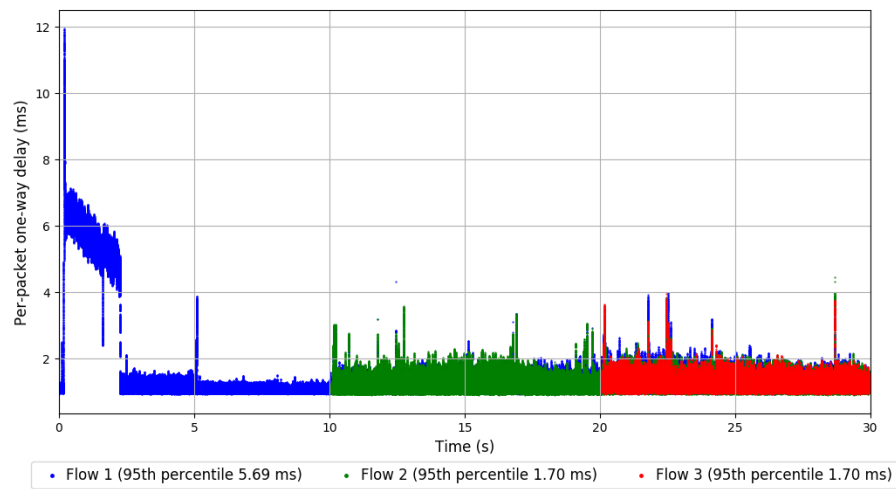
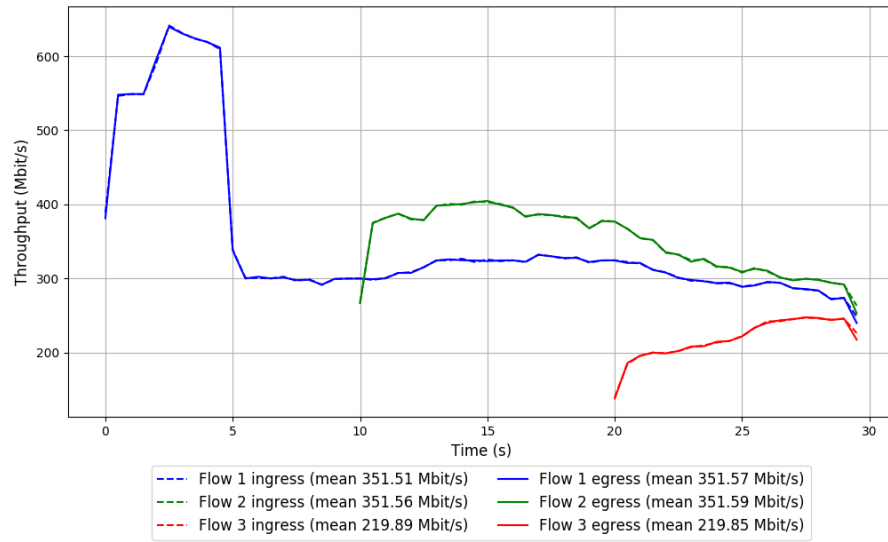


Run 8: Statistics of TCP Vegas

Start at: 2017-09-21 21:50:09
End at: 2017-09-21 21:50:39
Local clock offset: 0.383 ms
Remote clock offset: -1.129 ms

Below is generated by plot.py at 2017-09-22 03:47:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 658.28 Mbit/s
95th percentile per-packet one-way delay: 4.944 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 351.57 Mbit/s
95th percentile per-packet one-way delay: 5.693 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 351.59 Mbit/s
95th percentile per-packet one-way delay: 1.695 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 219.85 Mbit/s
95th percentile per-packet one-way delay: 1.701 ms
Loss rate: 0.20%

Run 8: Report of TCP Vegas — Data Link

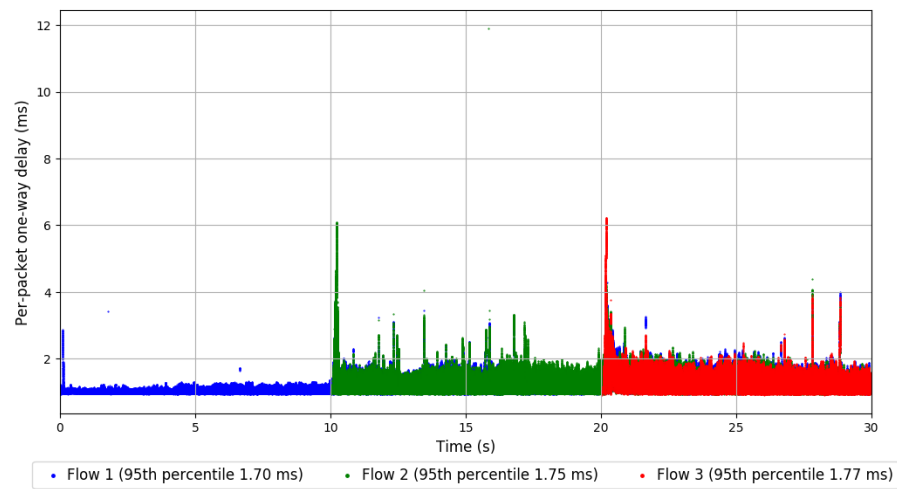
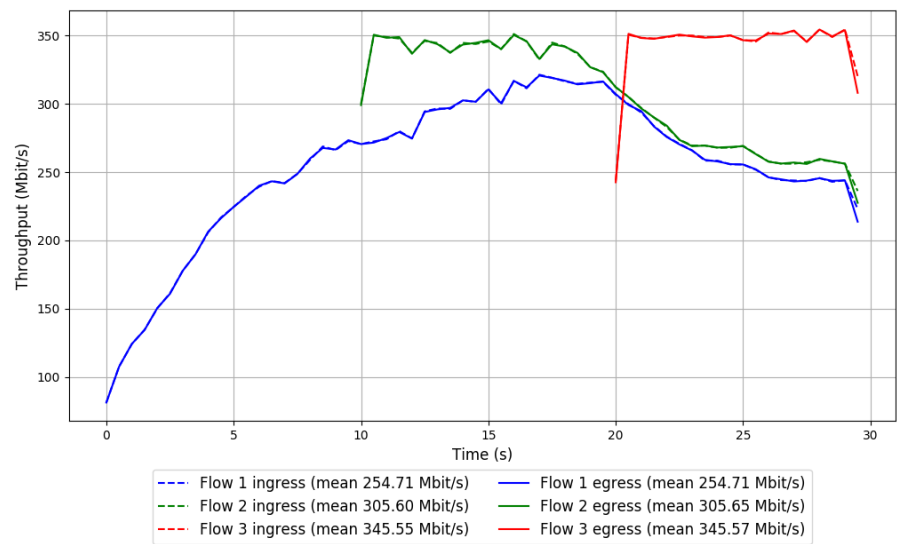


Run 9: Statistics of TCP Vegas

Start at: 2017-09-21 22:10:55
End at: 2017-09-21 22:11:25
Local clock offset: 0.338 ms
Remote clock offset: -1.168 ms

Below is generated by plot.py at 2017-09-22 03:47:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.53 Mbit/s
95th percentile per-packet one-way delay: 1.732 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 254.71 Mbit/s
95th percentile per-packet one-way delay: 1.696 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 305.65 Mbit/s
95th percentile per-packet one-way delay: 1.750 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 345.57 Mbit/s
95th percentile per-packet one-way delay: 1.774 ms
Loss rate: 0.19%

Run 9: Report of TCP Vegas — Data Link

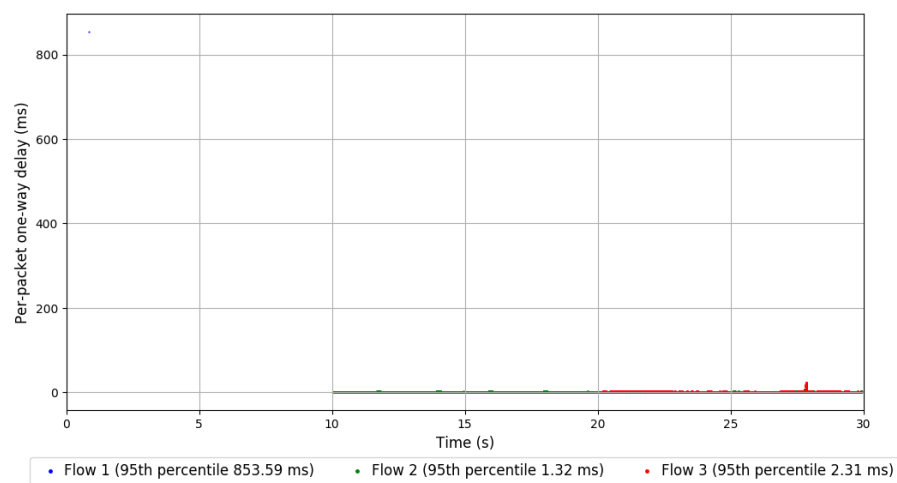
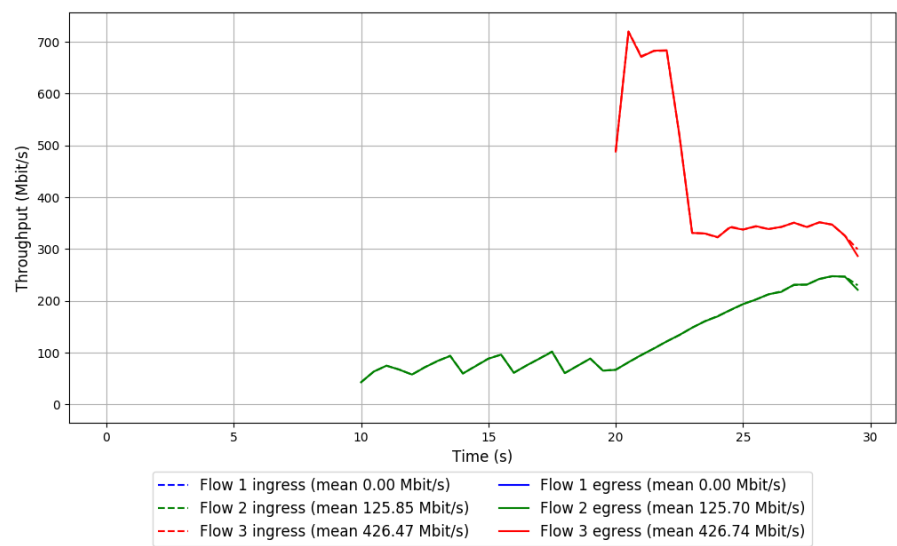


Run 10: Statistics of TCP Vegas

Start at: 2017-09-21 22:31:41
End at: 2017-09-21 22:32:11
Local clock offset: 0.308 ms
Remote clock offset: -1.063 ms

Below is generated by plot.py at 2017-09-22 03:47:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.55 Mbit/s
95th percentile per-packet one-way delay: 2.108 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 853.589 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 125.70 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 426.74 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.16%

Run 10: Report of TCP Vegas — Data Link

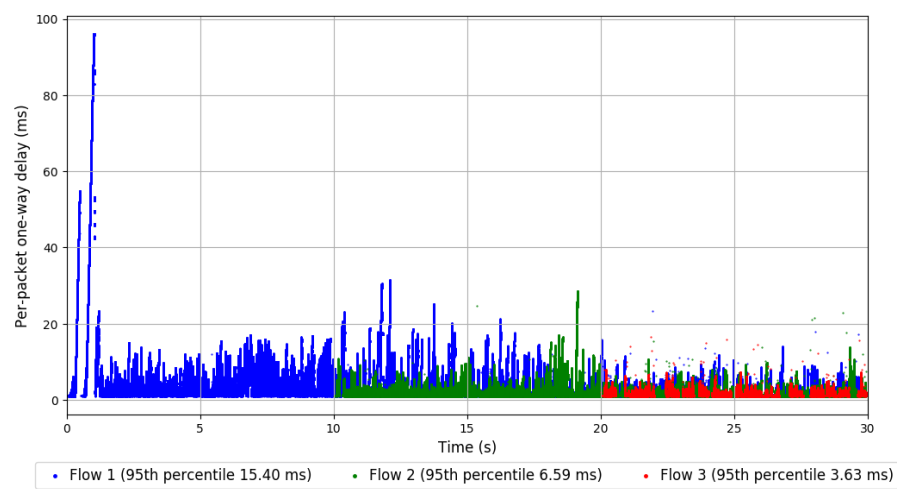
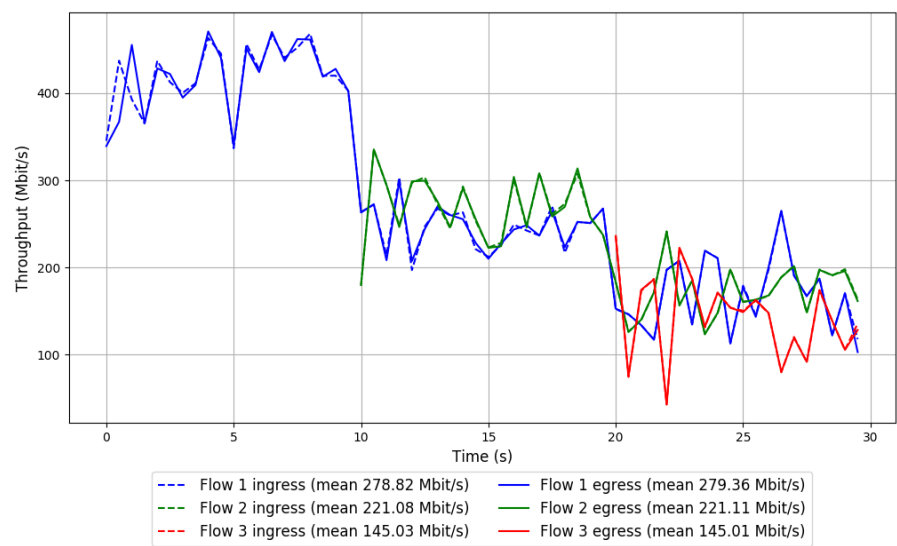


Run 1: Statistics of Verus

Start at: 2017-09-21 19:33:56
End at: 2017-09-21 19:34:26
Local clock offset: -0.642 ms
Remote clock offset: -2.274 ms

Below is generated by plot.py at 2017-09-22 03:47:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 473.86 Mbit/s
95th percentile per-packet one-way delay: 12.406 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 279.36 Mbit/s
95th percentile per-packet one-way delay: 15.404 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 221.11 Mbit/s
95th percentile per-packet one-way delay: 6.587 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 145.01 Mbit/s
95th percentile per-packet one-way delay: 3.627 ms
Loss rate: 0.26%

Run 1: Report of Verus — Data Link

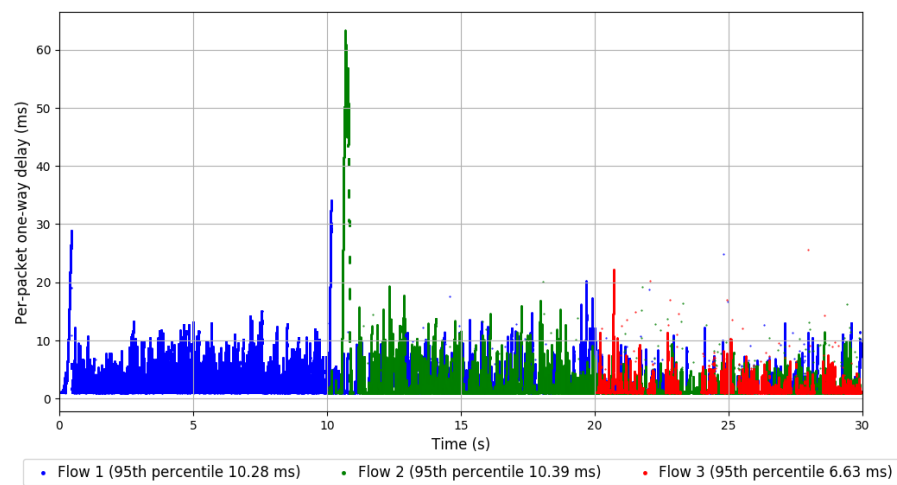
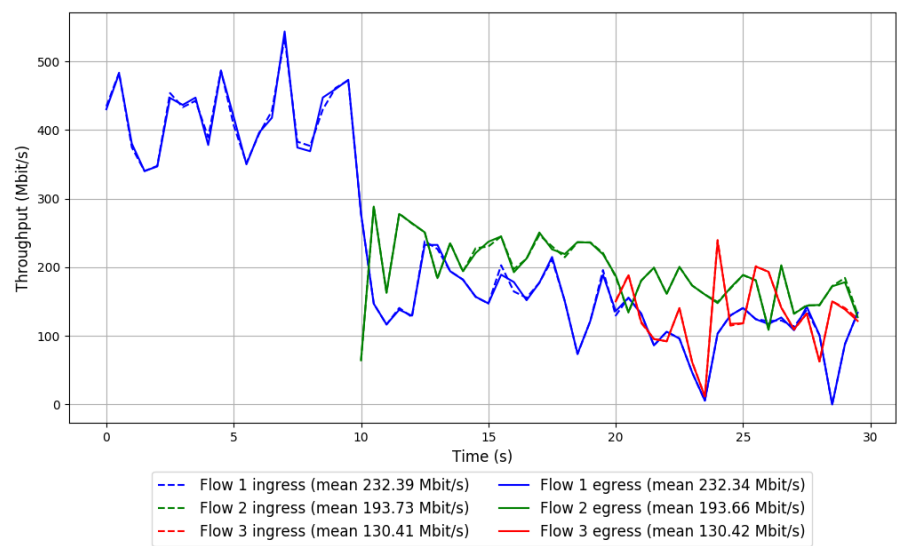


Run 2: Statistics of Verus

Start at: 2017-09-21 19:54:40
End at: 2017-09-21 19:55:10
Local clock offset: -0.397 ms
Remote clock offset: -1.585 ms

Below is generated by plot.py at 2017-09-22 03:47:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.23 Mbit/s
95th percentile per-packet one-way delay: 10.048 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 232.34 Mbit/s
95th percentile per-packet one-way delay: 10.284 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 193.66 Mbit/s
95th percentile per-packet one-way delay: 10.387 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 130.42 Mbit/s
95th percentile per-packet one-way delay: 6.628 ms
Loss rate: 0.22%

Run 2: Report of Verus — Data Link

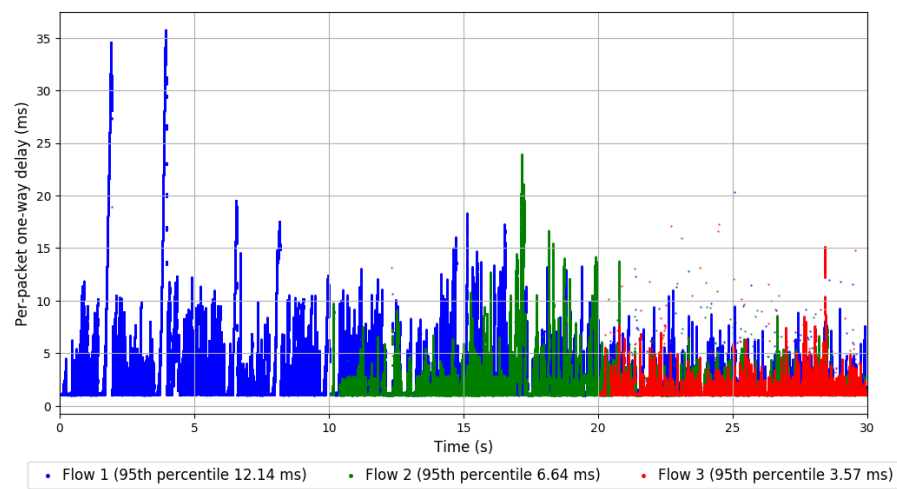
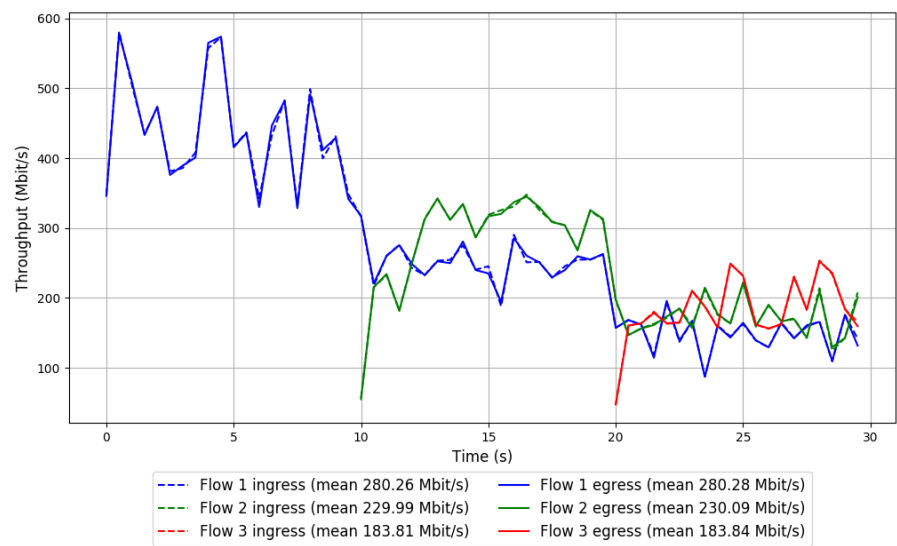


Run 3: Statistics of Verus

Start at: 2017-09-21 20:15:11
End at: 2017-09-21 20:15:41
Local clock offset: 0.066 ms
Remote clock offset: -0.976 ms

Below is generated by plot.py at 2017-09-22 03:48:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.93 Mbit/s
95th percentile per-packet one-way delay: 10.041 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 280.28 Mbit/s
95th percentile per-packet one-way delay: 12.137 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 230.09 Mbit/s
95th percentile per-packet one-way delay: 6.642 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 183.84 Mbit/s
95th percentile per-packet one-way delay: 3.574 ms
Loss rate: 0.17%

Run 3: Report of Verus — Data Link

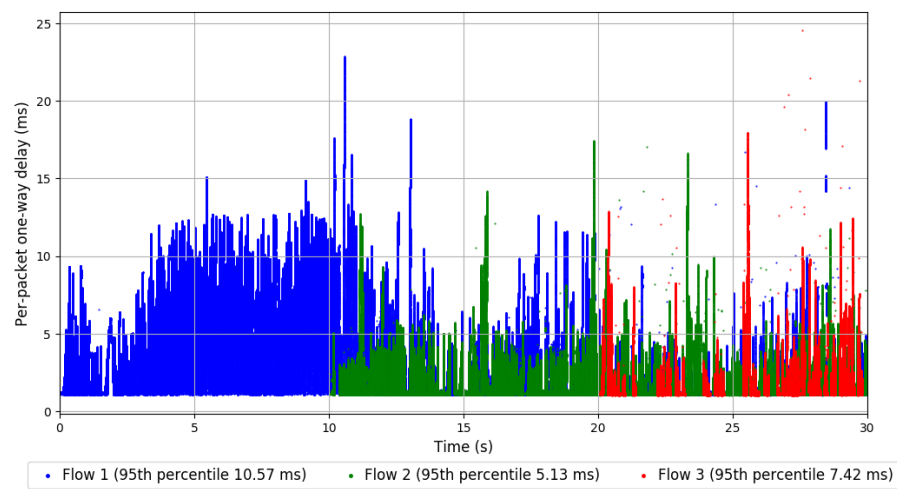
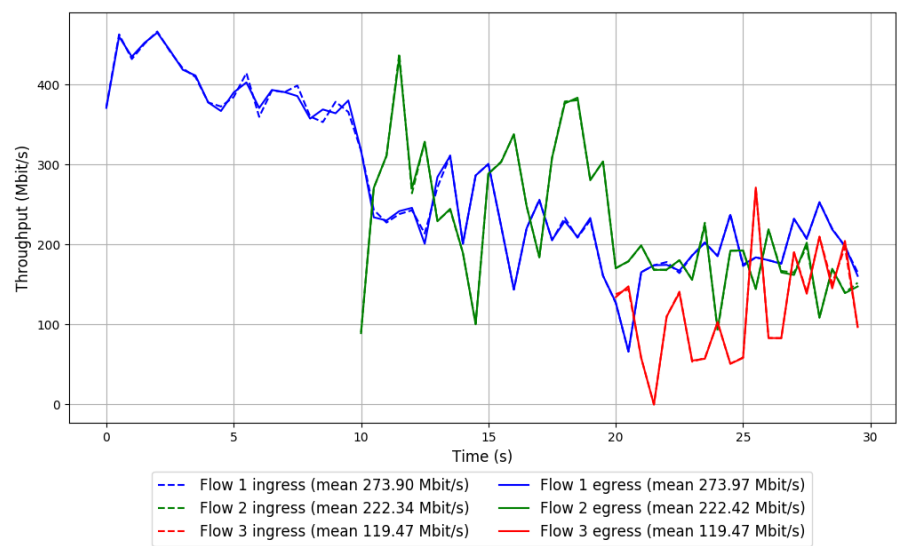


Run 4: Statistics of Verus

Start at: 2017-09-21 20:35:50
End at: 2017-09-21 20:36:20
Local clock offset: 0.114 ms
Remote clock offset: -1.21 ms

Below is generated by plot.py at 2017-09-22 03:48:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 460.96 Mbit/s
95th percentile per-packet one-way delay: 9.799 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 273.97 Mbit/s
95th percentile per-packet one-way delay: 10.569 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 222.42 Mbit/s
95th percentile per-packet one-way delay: 5.129 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 119.47 Mbit/s
95th percentile per-packet one-way delay: 7.417 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

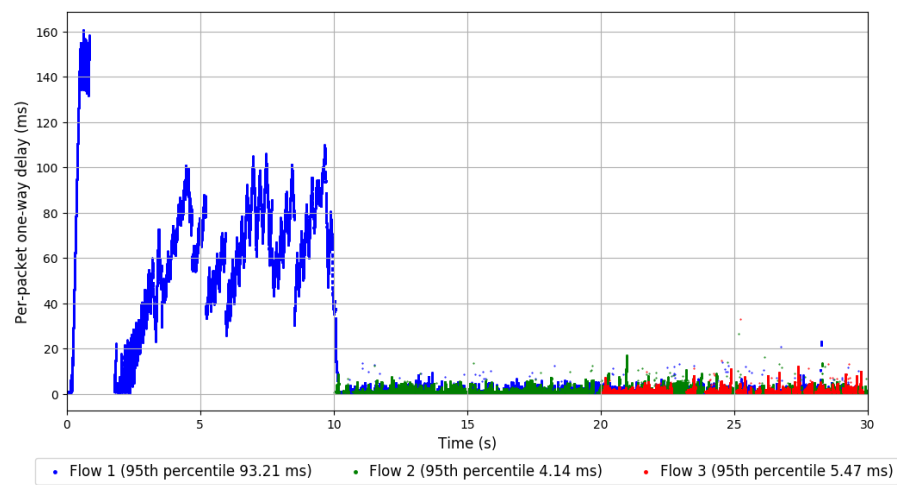
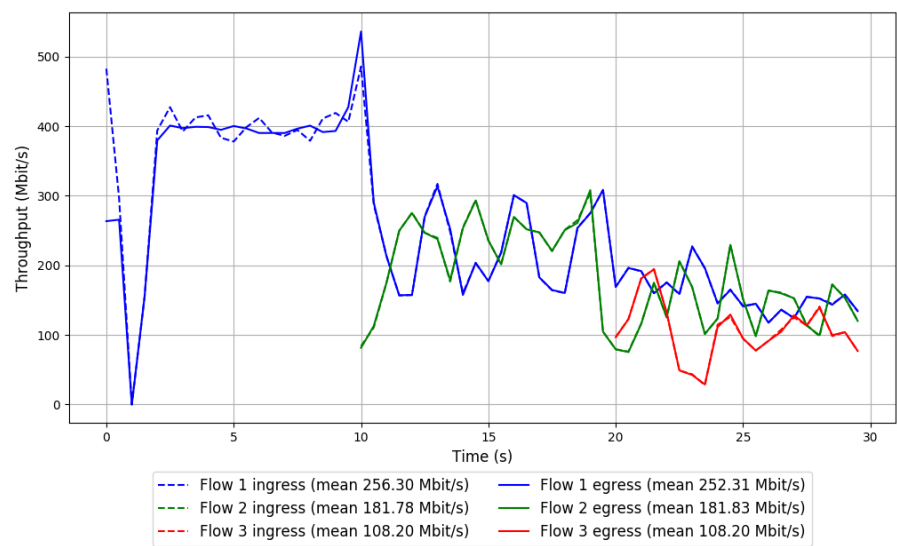


Run 5: Statistics of Verus

Start at: 2017-09-21 20:56:33
End at: 2017-09-21 20:57:03
Local clock offset: 0.121 ms
Remote clock offset: -1.241 ms

Below is generated by plot.py at 2017-09-22 03:48:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.62 Mbit/s
95th percentile per-packet one-way delay: 86.441 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 252.31 Mbit/s
95th percentile per-packet one-way delay: 93.213 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 181.83 Mbit/s
95th percentile per-packet one-way delay: 4.144 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 108.20 Mbit/s
95th percentile per-packet one-way delay: 5.468 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

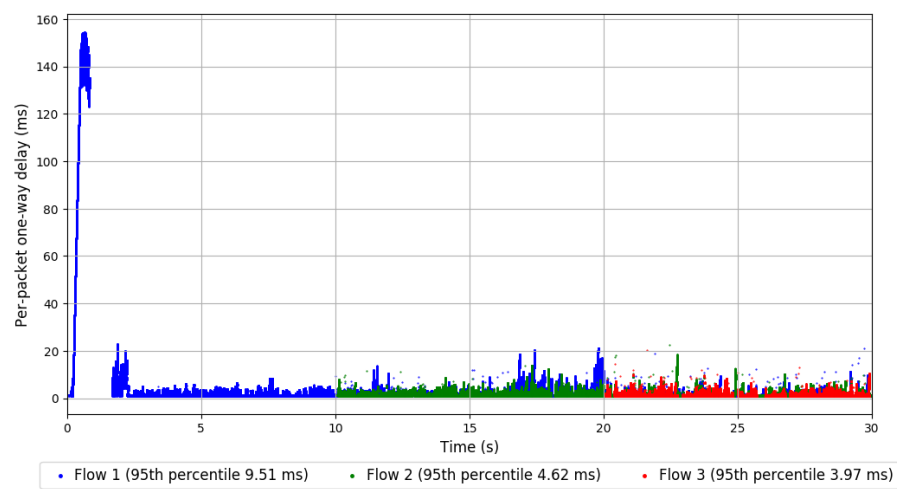
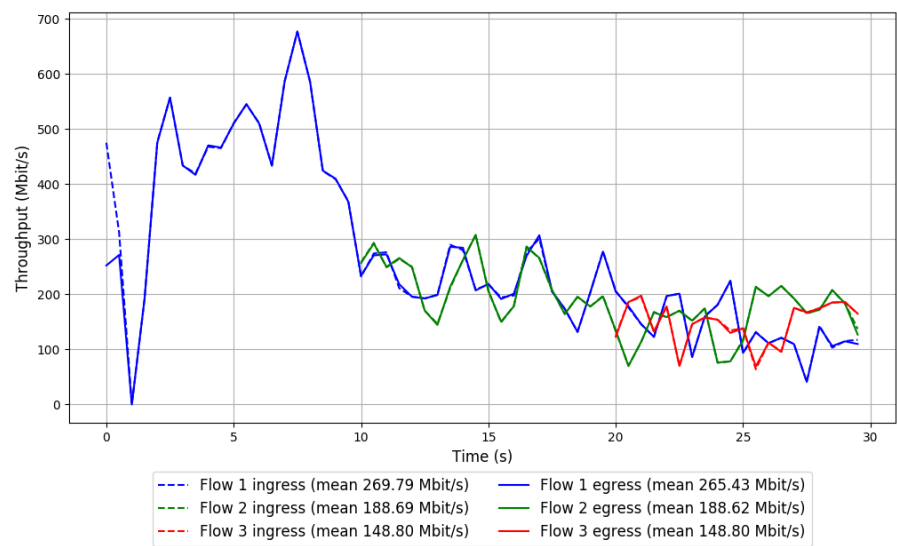


Run 6: Statistics of Verus

Start at: 2017-09-21 21:17:13
End at: 2017-09-21 21:17:43
Local clock offset: 0.475 ms
Remote clock offset: -1.291 ms

Below is generated by plot.py at 2017-09-22 03:49:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 440.14 Mbit/s
95th percentile per-packet one-way delay: 6.642 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 265.43 Mbit/s
95th percentile per-packet one-way delay: 9.510 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 188.62 Mbit/s
95th percentile per-packet one-way delay: 4.620 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 148.80 Mbit/s
95th percentile per-packet one-way delay: 3.974 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

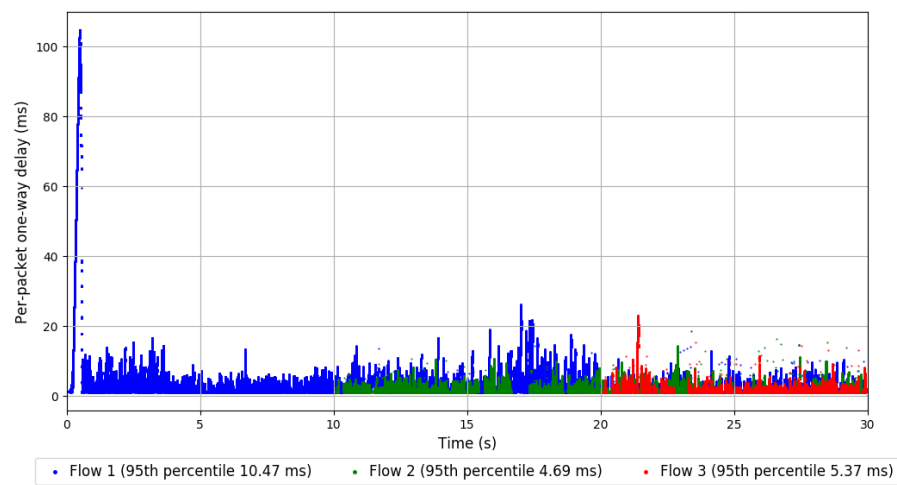
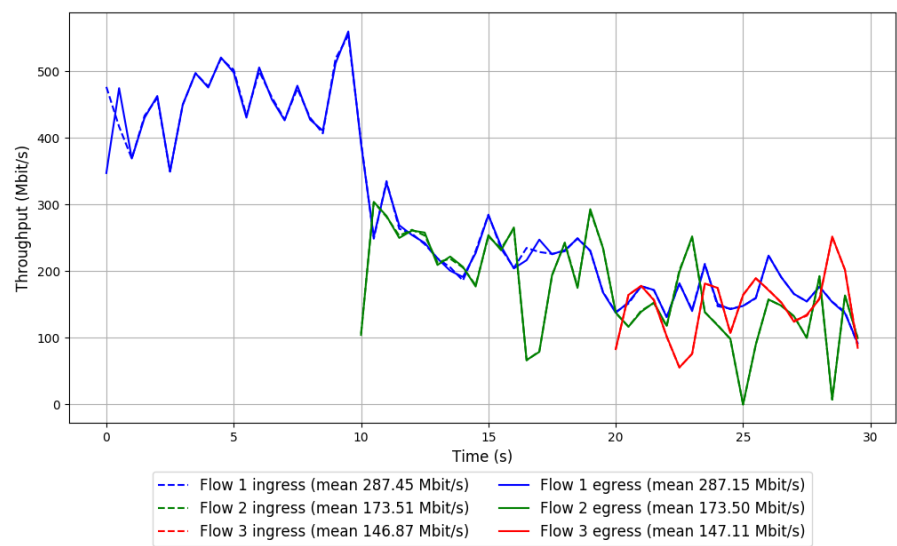


Run 7: Statistics of Verus

Start at: 2017-09-21 21:37:51
End at: 2017-09-21 21:38:21
Local clock offset: 0.544 ms
Remote clock offset: -1.214 ms

Below is generated by plot.py at 2017-09-22 03:52:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 449.99 Mbit/s
95th percentile per-packet one-way delay: 8.697 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 287.15 Mbit/s
95th percentile per-packet one-way delay: 10.468 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 173.50 Mbit/s
95th percentile per-packet one-way delay: 4.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.11 Mbit/s
95th percentile per-packet one-way delay: 5.365 ms
Loss rate: 0.11%

Run 7: Report of Verus — Data Link

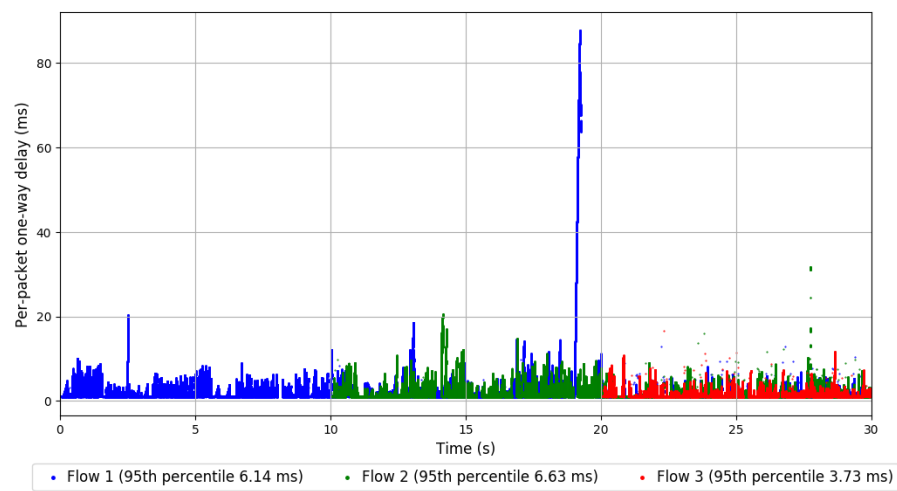
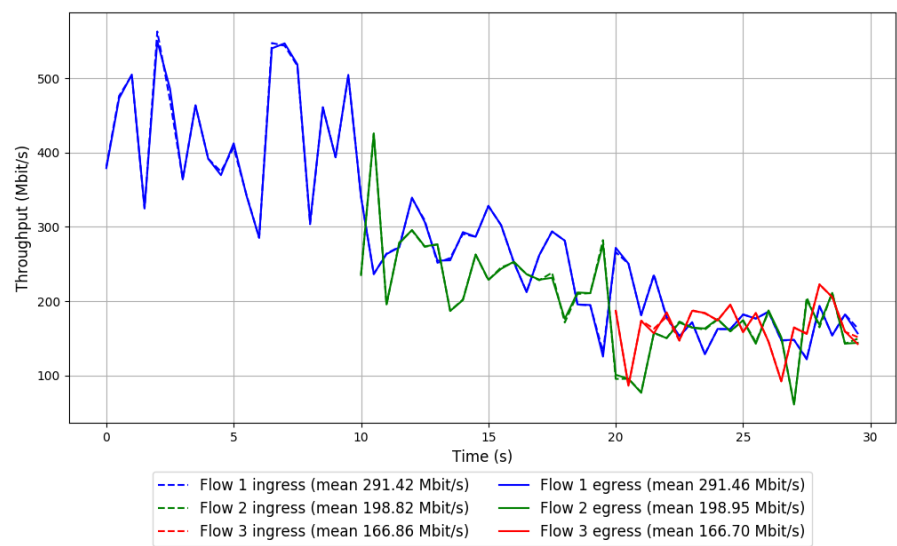


Run 8: Statistics of Verus

Start at: 2017-09-21 21:58:42
End at: 2017-09-21 21:59:12
Local clock offset: 0.369 ms
Remote clock offset: -1.146 ms

Below is generated by plot.py at 2017-09-22 03:53:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.04 Mbit/s
95th percentile per-packet one-way delay: 6.106 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 291.46 Mbit/s
95th percentile per-packet one-way delay: 6.145 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 198.95 Mbit/s
95th percentile per-packet one-way delay: 6.634 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 166.70 Mbit/s
95th percentile per-packet one-way delay: 3.727 ms
Loss rate: 0.29%

Run 8: Report of Verus — Data Link

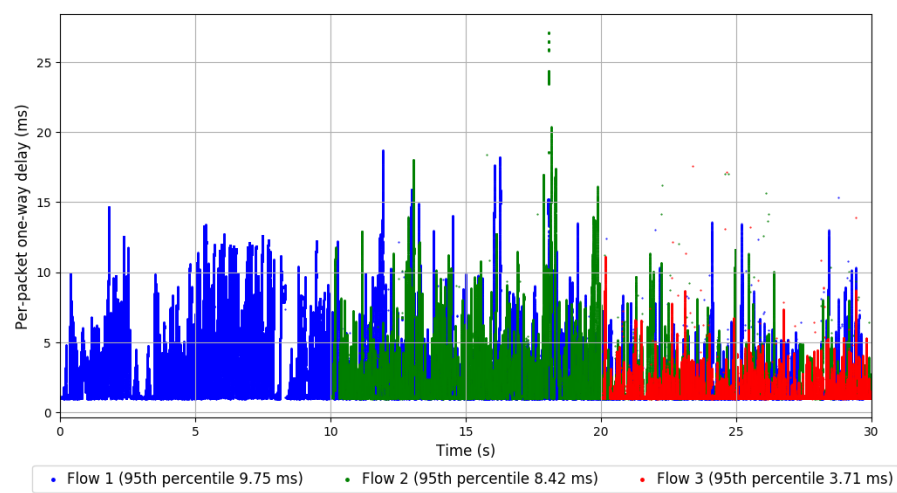
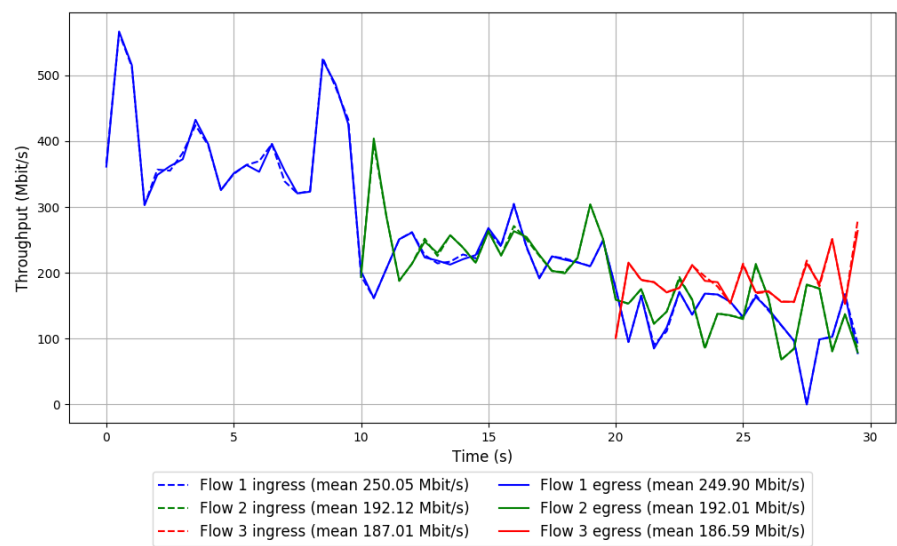


Run 9: Statistics of Verus

Start at: 2017-09-21 22:19:22
End at: 2017-09-21 22:19:52
Local clock offset: 0.459 ms
Remote clock offset: -1.093 ms

Below is generated by plot.py at 2017-09-22 03:53:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 439.69 Mbit/s
95th percentile per-packet one-way delay: 9.057 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 249.90 Mbit/s
95th percentile per-packet one-way delay: 9.751 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 192.01 Mbit/s
95th percentile per-packet one-way delay: 8.421 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 186.59 Mbit/s
95th percentile per-packet one-way delay: 3.711 ms
Loss rate: 0.43%

Run 9: Report of Verus — Data Link

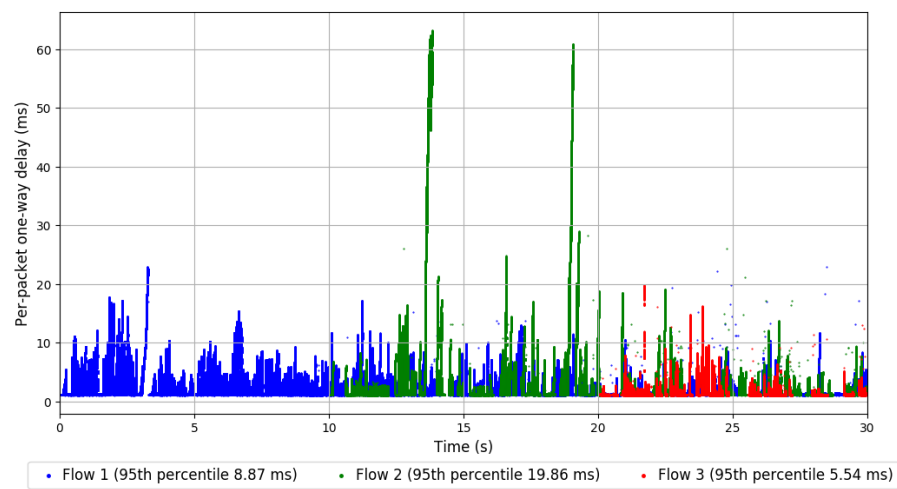
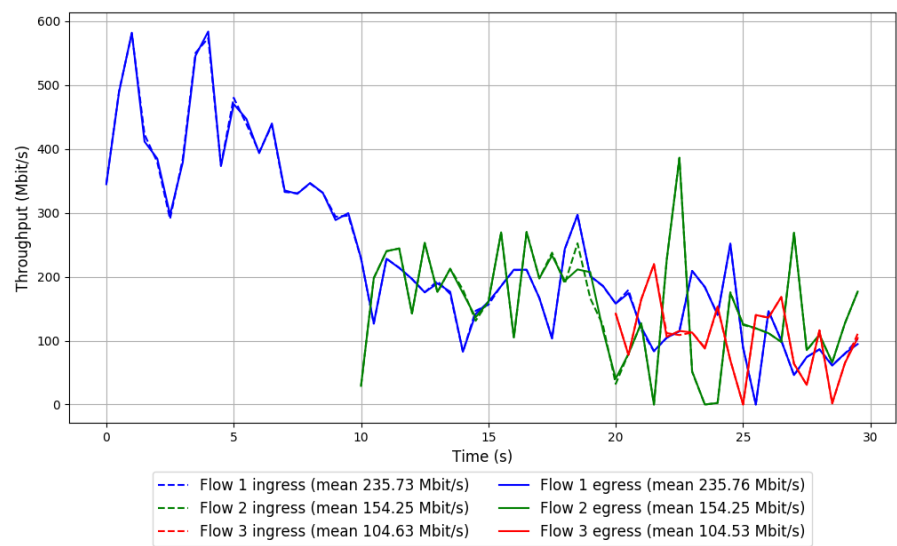


Run 10: Statistics of Verus

Start at: 2017-09-21 22:40:00
End at: 2017-09-21 22:40:30
Local clock offset: 0.366 ms
Remote clock offset: -1.147 ms

Below is generated by plot.py at 2017-09-22 03:53:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.99 Mbit/s
95th percentile per-packet one-way delay: 10.391 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 235.76 Mbit/s
95th percentile per-packet one-way delay: 8.872 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 154.25 Mbit/s
95th percentile per-packet one-way delay: 19.857 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 104.53 Mbit/s
95th percentile per-packet one-way delay: 5.535 ms
Loss rate: 0.32%

Run 10: Report of Verus — Data Link

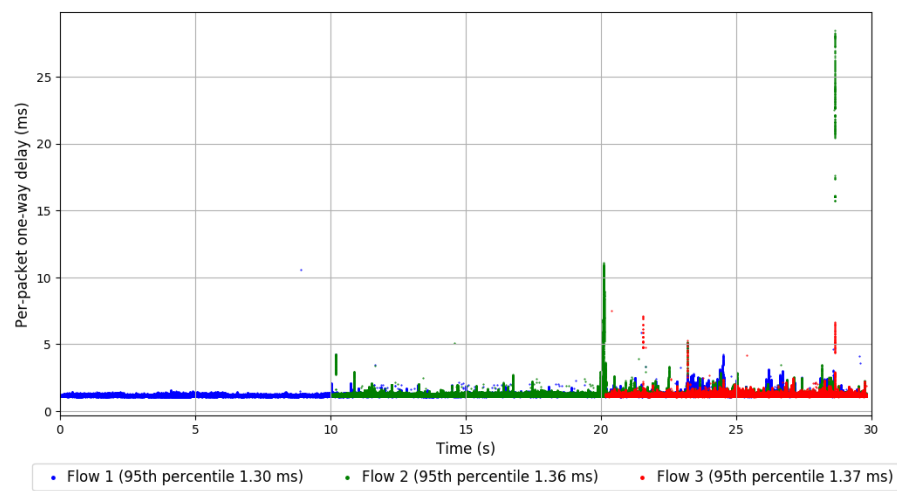
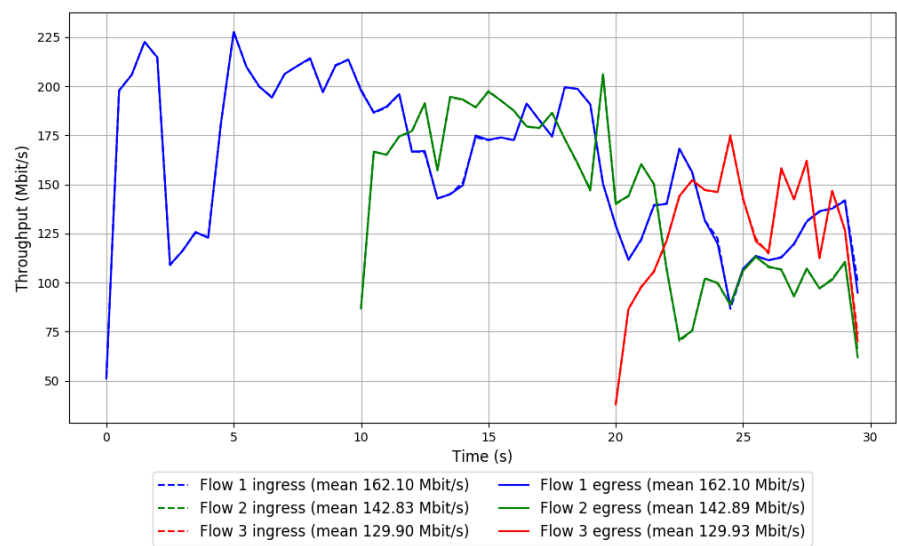


Run 1: Statistics of Indigo

Start at: 2017-09-21 19:24:01
End at: 2017-09-21 19:24:31
Local clock offset: -0.447 ms
Remote clock offset: -2.437 ms

Below is generated by plot.py at 2017-09-22 03:53:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.91 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 162.10 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 142.89 Mbit/s
95th percentile per-packet one-way delay: 1.363 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 129.93 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 0.17%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-09-21 19:44:47

End at: 2017-09-21 19:45:17

Local clock offset: -0.567 ms

Remote clock offset: -1.96 ms

Below is generated by plot.py at 2017-09-22 03:53:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.17 Mbit/s

95th percentile per-packet one-way delay: 1.220 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 172.02 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 144.17 Mbit/s

95th percentile per-packet one-way delay: 1.204 ms

Loss rate: 0.09%

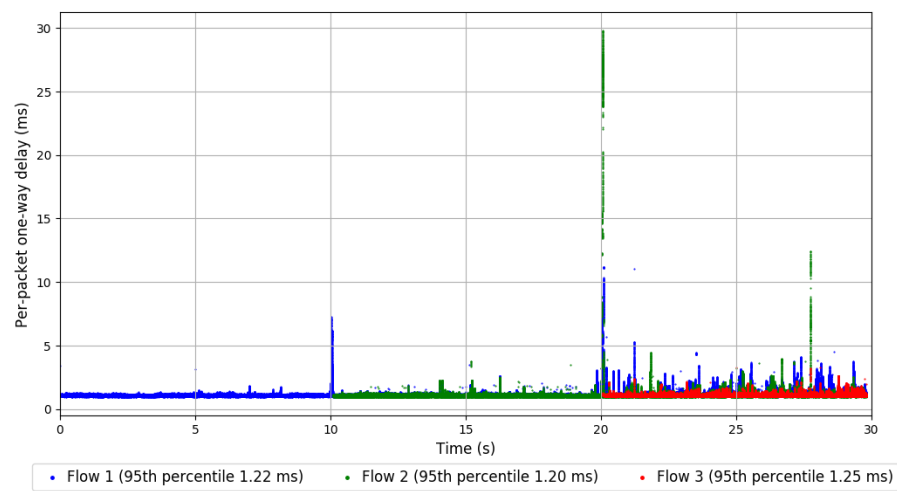
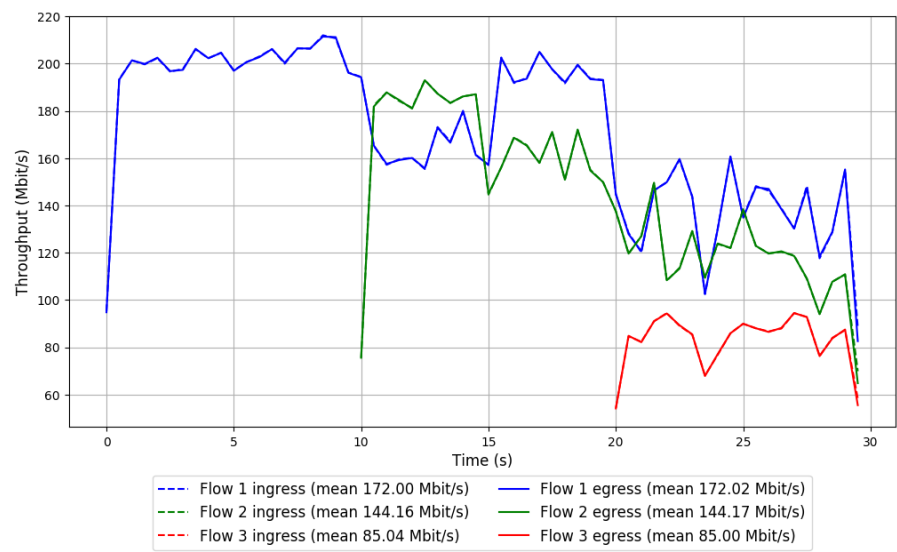
-- Flow 3:

Average throughput: 85.00 Mbit/s

95th percentile per-packet one-way delay: 1.254 ms

Loss rate: 0.17%

Run 2: Report of Indigo — Data Link

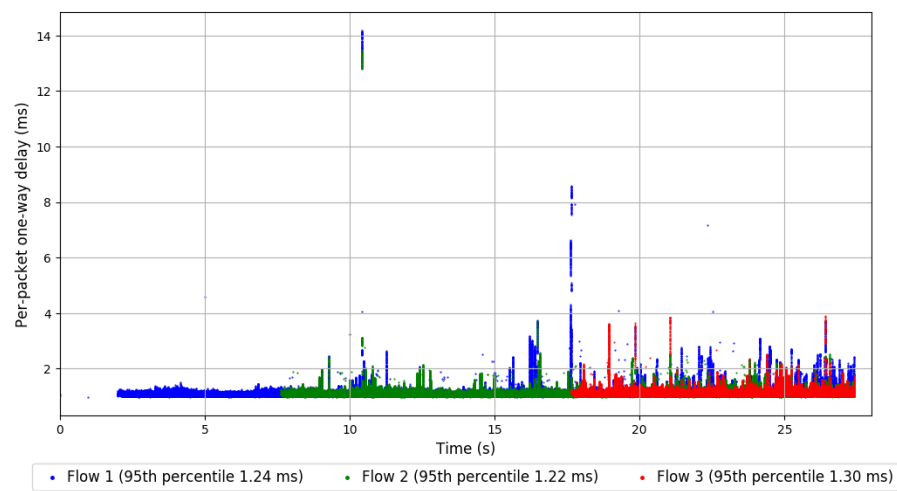
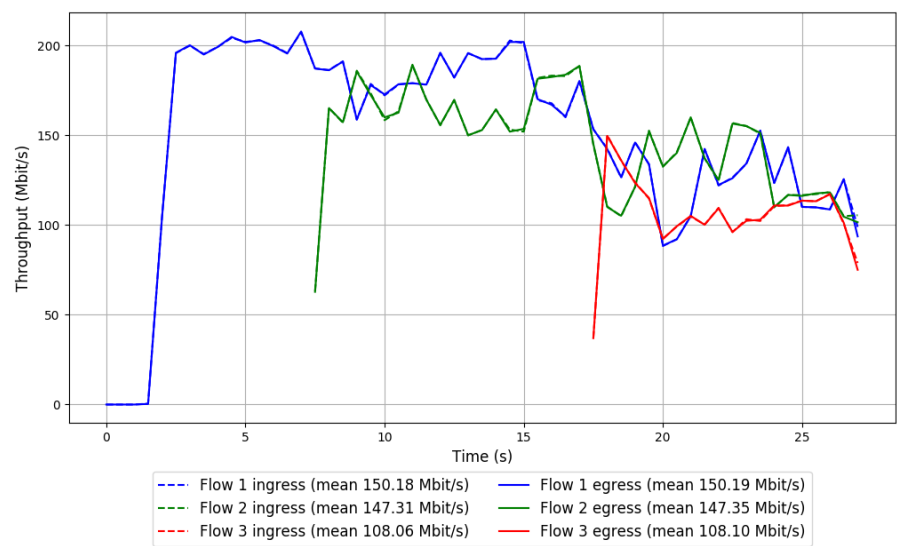


Run 3: Statistics of Indigo

Start at: 2017-09-21 20:05:29
End at: 2017-09-21 20:05:59
Local clock offset: -0.048 ms
Remote clock offset: -1.197 ms

Below is generated by plot.py at 2017-09-22 03:53:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.07 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 150.19 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 147.35 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 108.10 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.18%

Run 3: Report of Indigo — Data Link

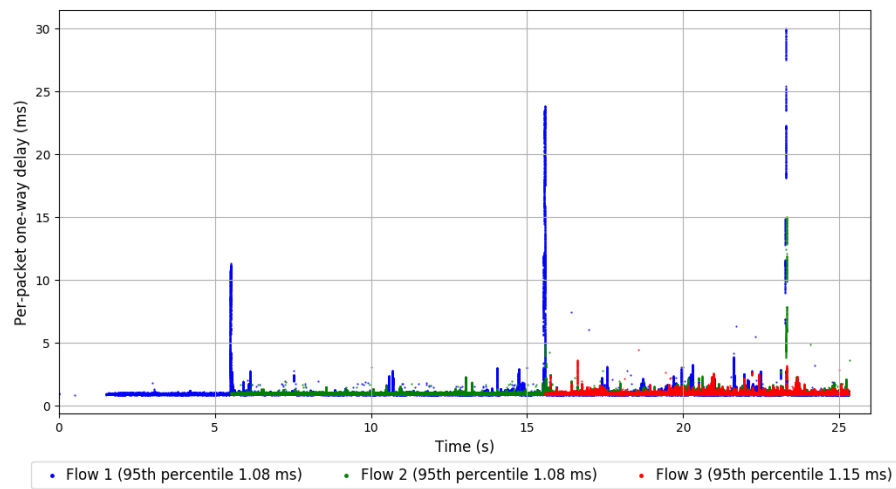
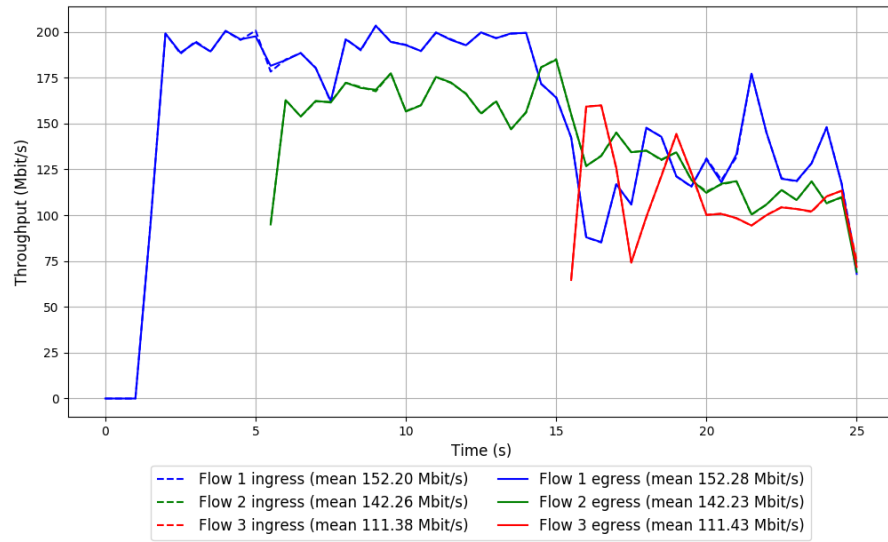


Run 4: Statistics of Indigo

Start at: 2017-09-21 20:26:00
End at: 2017-09-21 20:26:30
Local clock offset: -0.008 ms
Remote clock offset: -0.997 ms

Below is generated by plot.py at 2017-09-22 03:53:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.31 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 152.28 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 142.23 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 111.43 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.15%

Run 4: Report of Indigo — Data Link

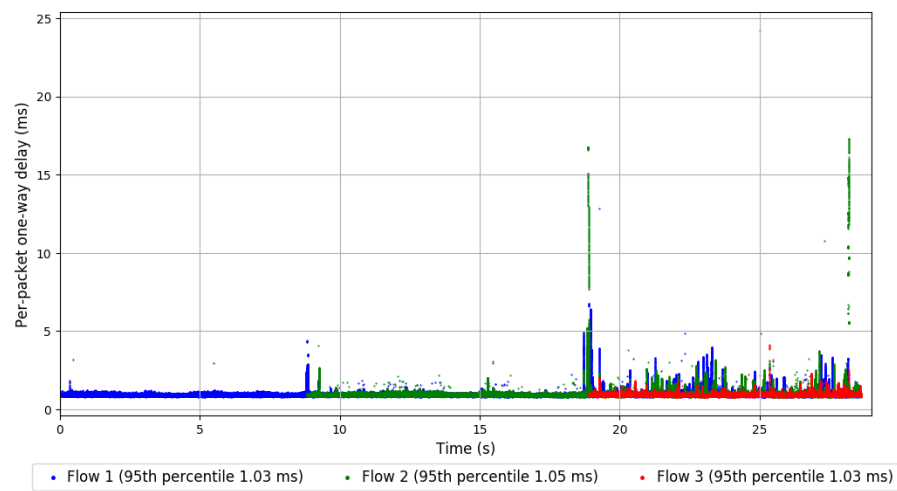
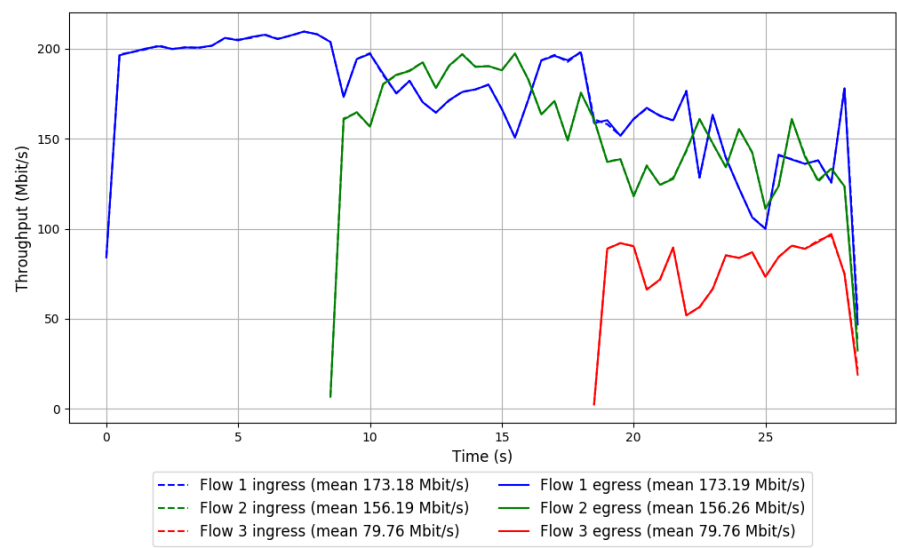


Run 5: Statistics of Indigo

Start at: 2017-09-21 20:46:41
End at: 2017-09-21 20:47:11
Local clock offset: 0.031 ms
Remote clock offset: -1.295 ms

Below is generated by plot.py at 2017-09-22 03:56:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.28 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 173.19 Mbit/s
95th percentile per-packet one-way delay: 1.029 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 156.26 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 1.031 ms
Loss rate: 0.21%

Run 5: Report of Indigo — Data Link

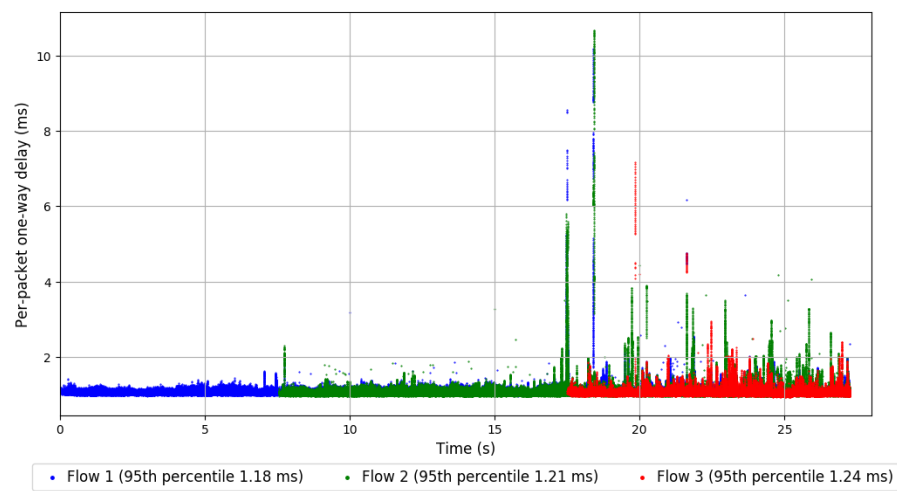
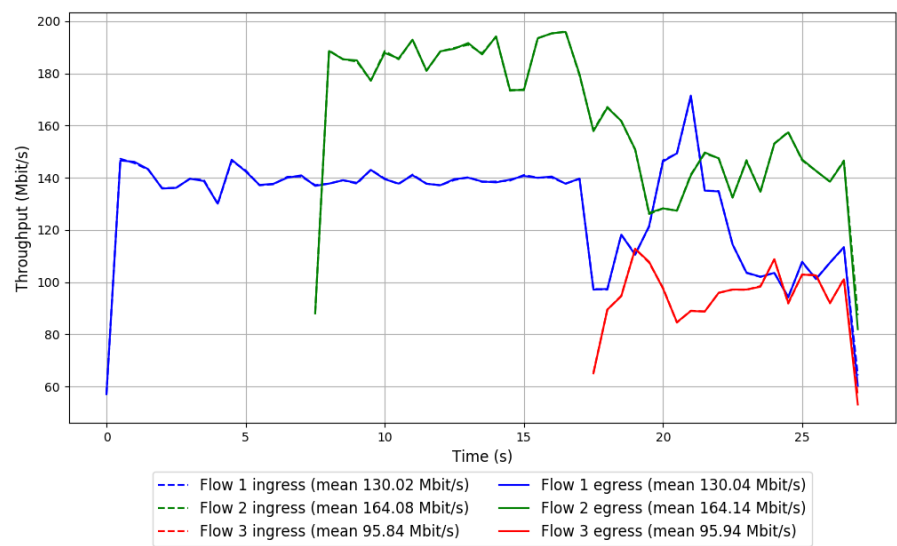


Run 6: Statistics of Indigo

Start at: 2017-09-21 21:07:19
End at: 2017-09-21 21:07:49
Local clock offset: 0.35 ms
Remote clock offset: -1.237 ms

Below is generated by plot.py at 2017-09-22 03:56:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.04 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 130.04 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 164.14 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.19%

Run 6: Report of Indigo — Data Link

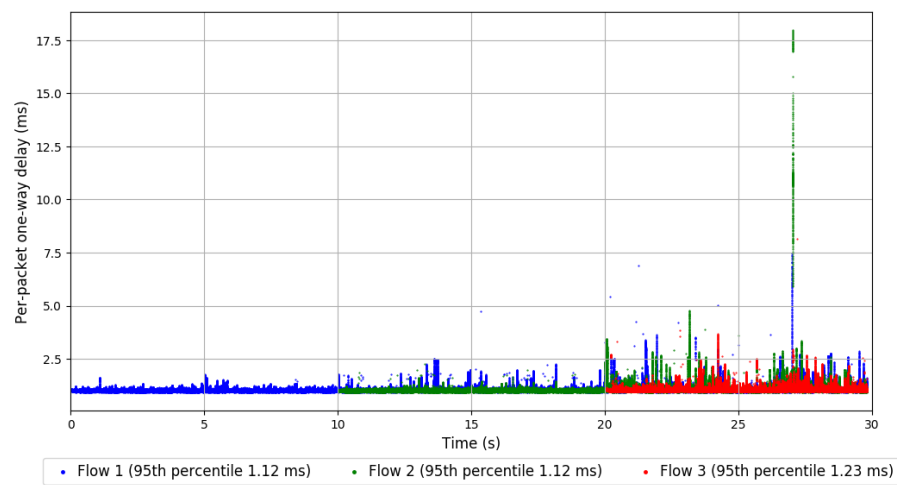
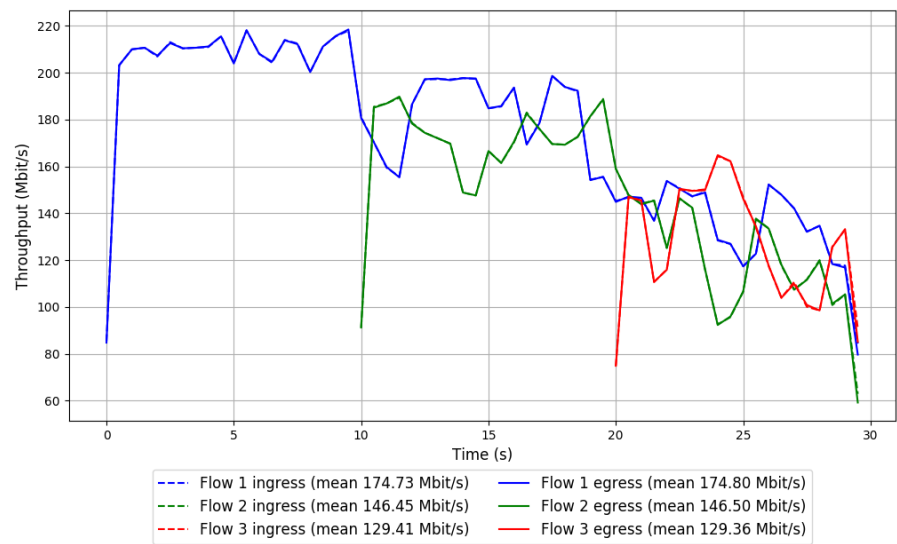


Run 7: Statistics of Indigo

Start at: 2017-09-21 21:27:56
End at: 2017-09-21 21:28:26
Local clock offset: 0.445 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2017-09-22 03:57:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.35 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 174.80 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 146.50 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 129.36 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.23%

Run 7: Report of Indigo — Data Link

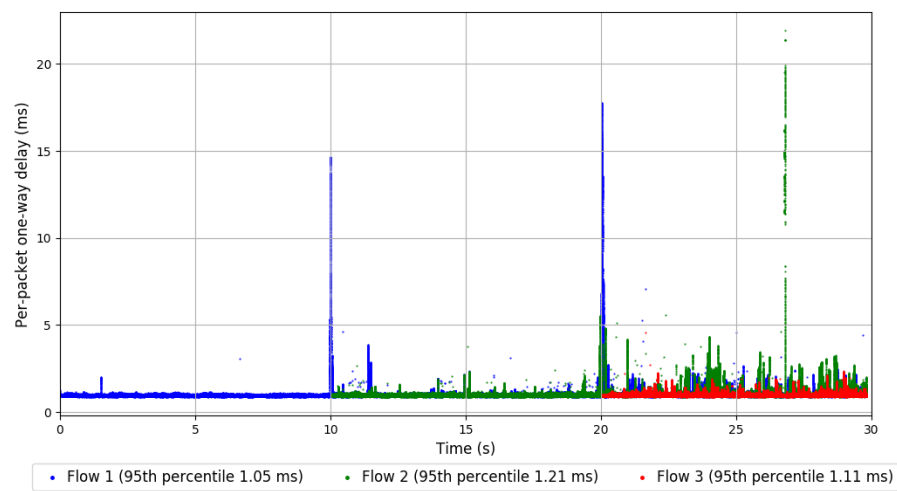
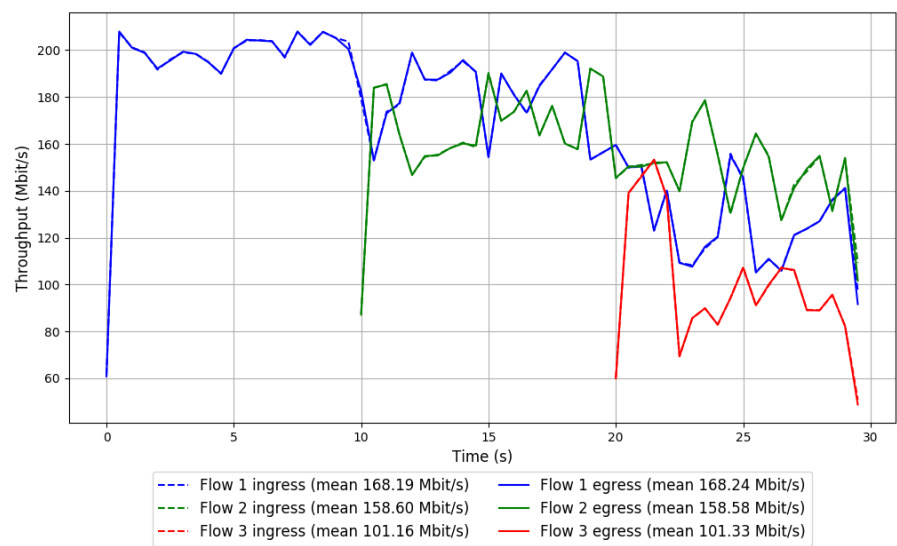


Run 8: Statistics of Indigo

Start at: 2017-09-21 21:48:41
End at: 2017-09-21 21:49:11
Local clock offset: 0.392 ms
Remote clock offset: -1.044 ms

Below is generated by plot.py at 2017-09-22 03:57:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.41 Mbit/s
95th percentile per-packet one-way delay: 1.094 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 168.24 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 158.58 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 101.33 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.11%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

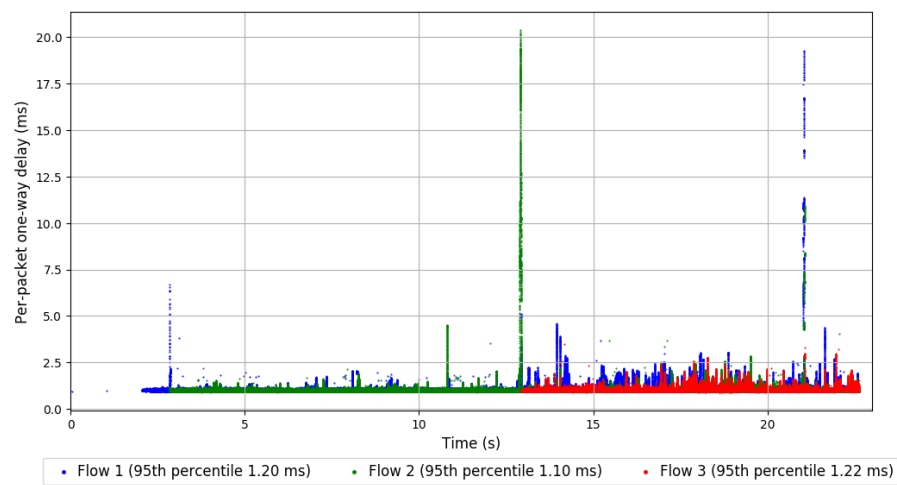
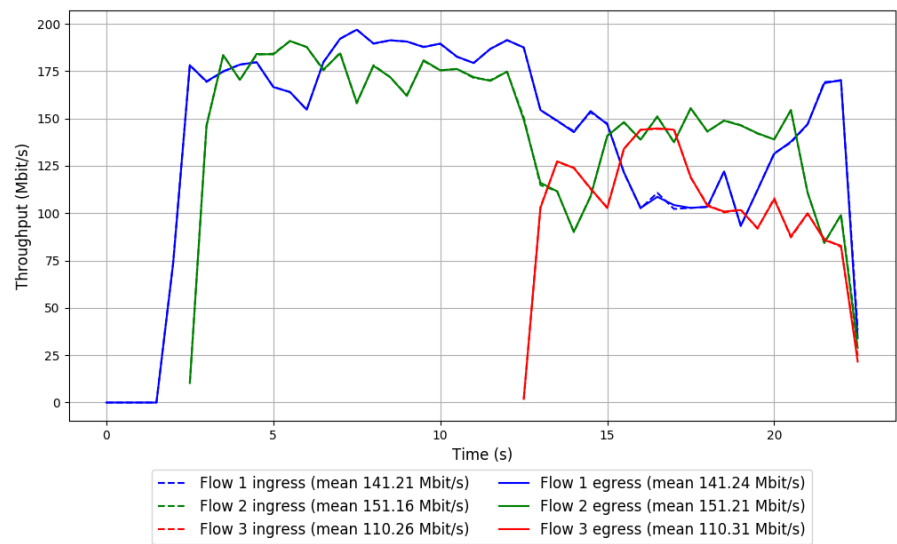
Start at: 2017-09-21 22:09:31

End at: 2017-09-21 22:10:01

Local clock offset: 0.338 ms

Remote clock offset: -1.15 ms

Run 9: Report of Indigo — Data Link

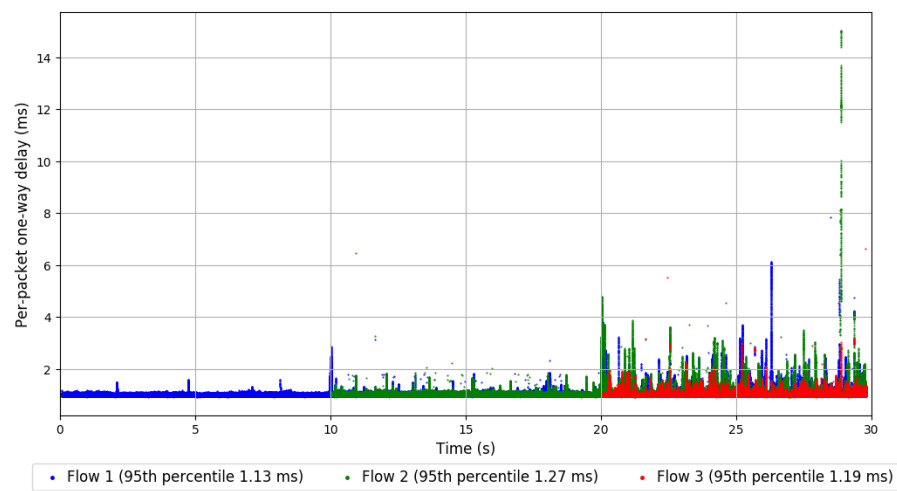
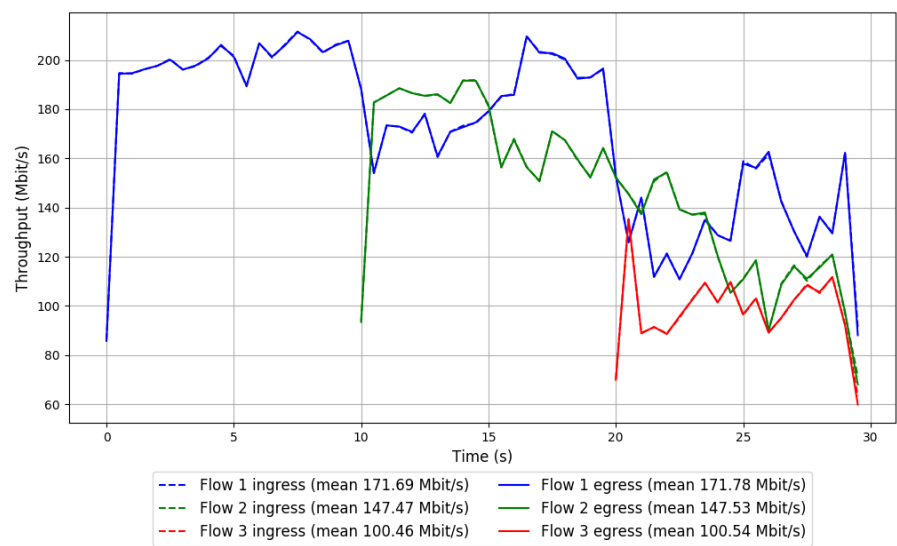


Run 10: Statistics of Indigo

Start at: 2017-09-21 22:30:13
End at: 2017-09-21 22:30:43
Local clock offset: 0.411 ms
Remote clock offset: -1.075 ms

Below is generated by plot.py at 2017-09-22 03:57:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.56 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 171.78 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 147.53 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 100.54 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.19%

Run 10: Report of Indigo — Data Link

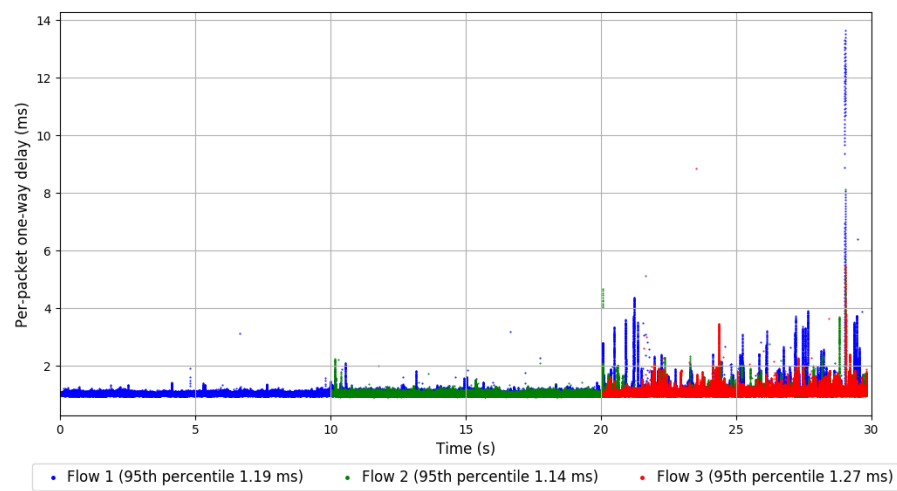
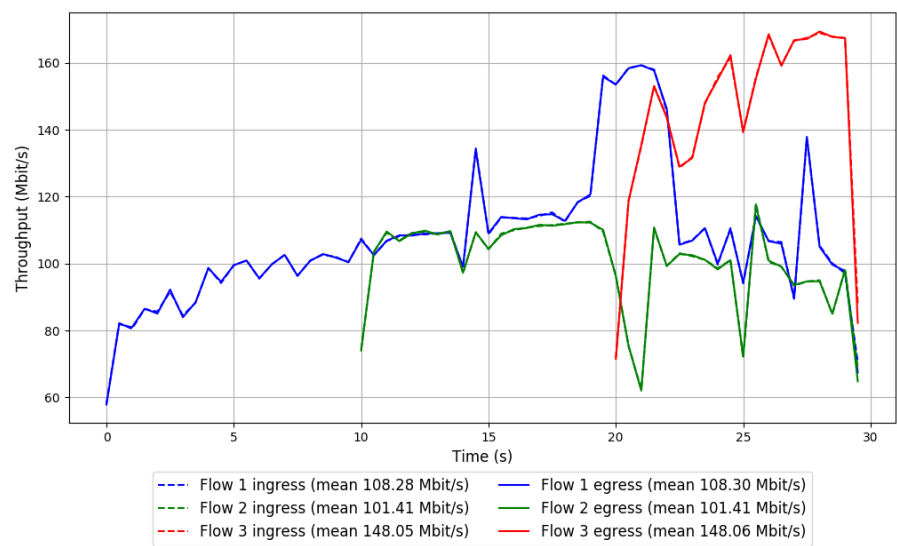


```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 19:39:01
End at: 2017-09-21 19:39:31
Local clock offset: -0.638 ms
Remote clock offset: -2.175 ms

# Below is generated by plot.py at 2017-09-22 03:57:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 224.02 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 108.30 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 101.41 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 148.06 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.19%
```


Run 1: Report of Indigo-calib — Data Link

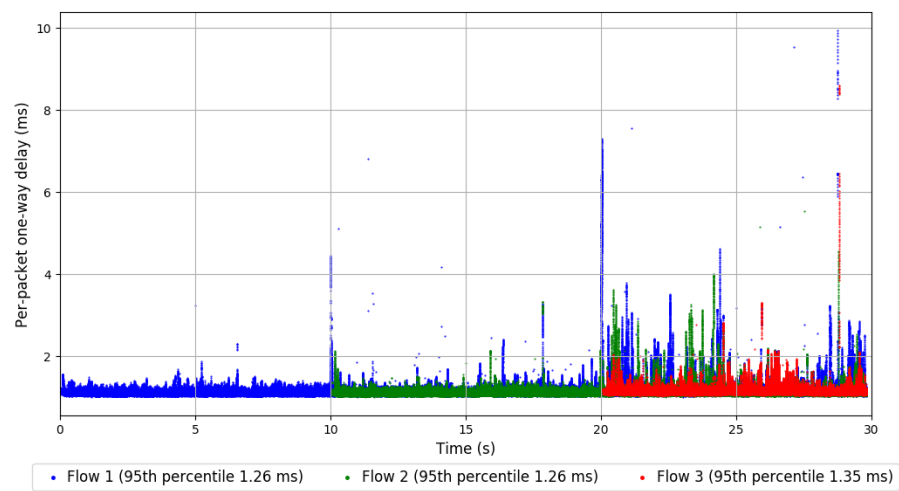
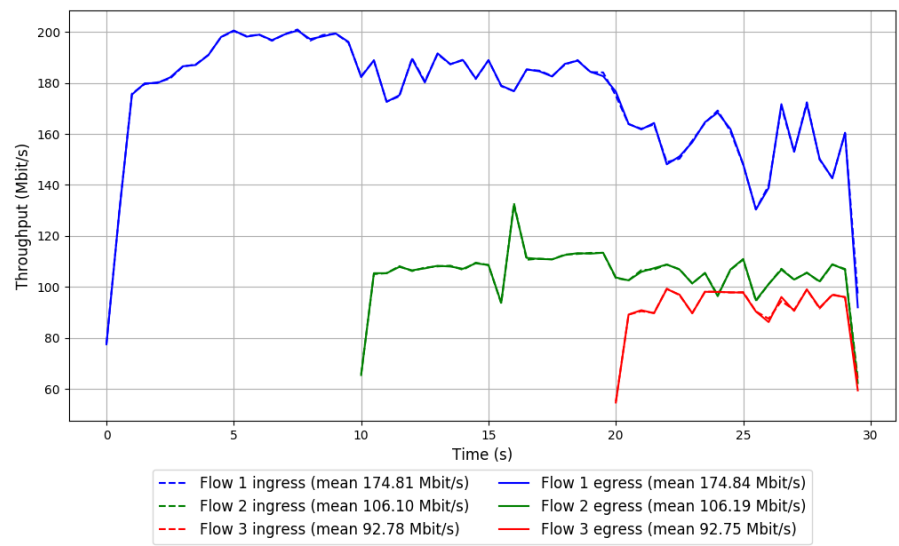


Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 19:59:41
End at: 2017-09-21 20:00:11
Local clock offset: -0.19 ms
Remote clock offset: -1.387 ms

Below is generated by plot.py at 2017-09-22 03:57:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.54 Mbit/s
95th percentile per-packet one-way delay: 1.268 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 174.84 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 106.19 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 1.346 ms
Loss rate: 0.21%

Run 2: Report of Indigo-calib — Data Link

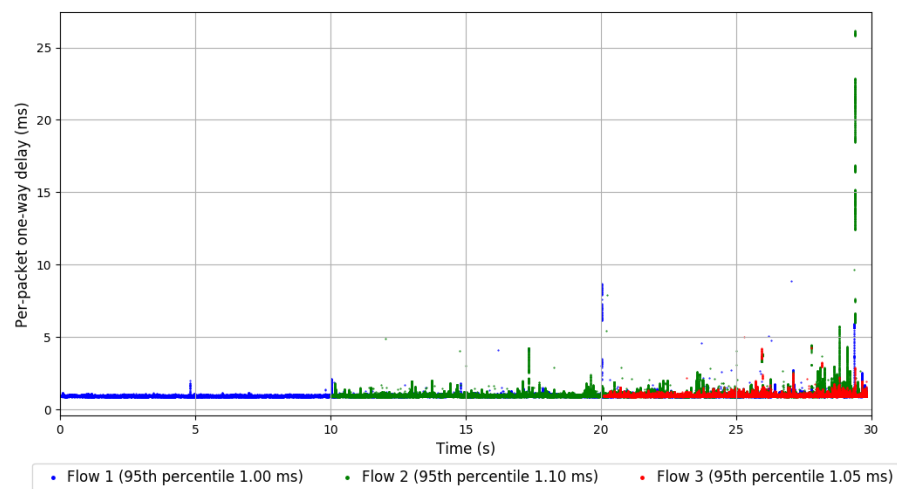
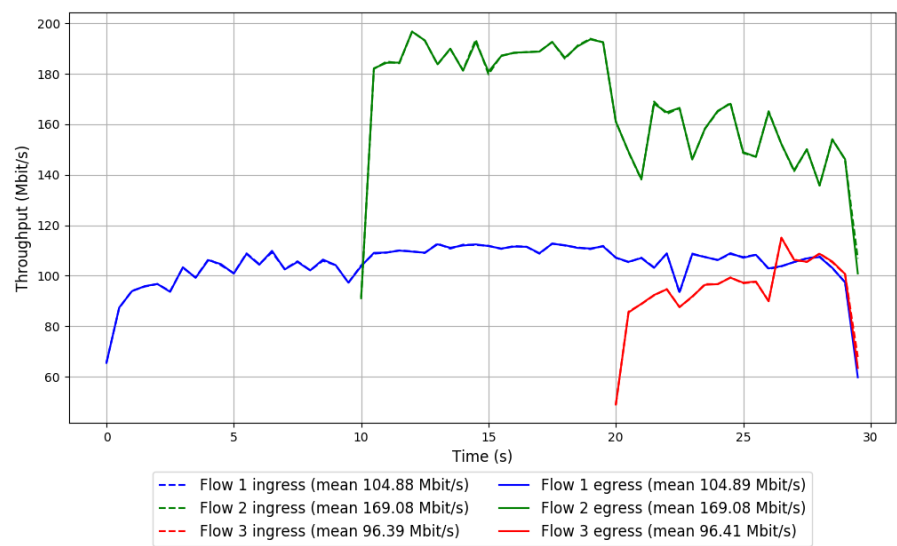


Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 20:20:14
End at: 2017-09-21 20:20:44
Local clock offset: -0.006 ms
Remote clock offset: -0.826 ms

Below is generated by plot.py at 2017-09-22 03:59:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 248.54 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 104.89 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 169.08 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.23%

Run 3: Report of Indigo-calib — Data Link

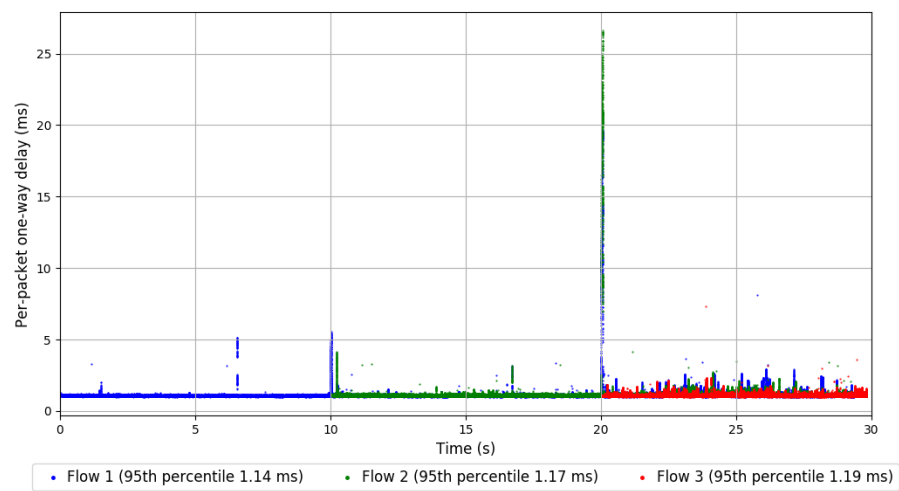
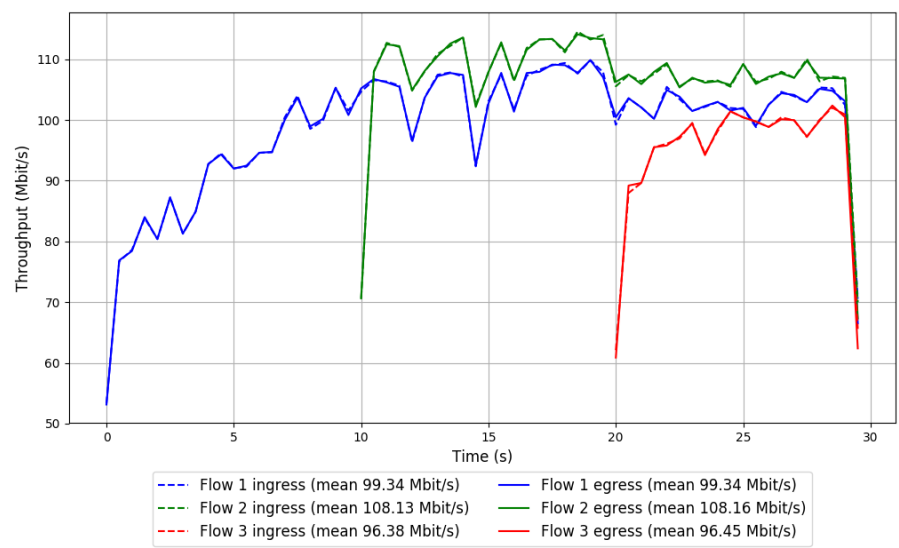


Run 4: Statistics of Indigo-calib

Start at: 2017-09-21 20:40:53
End at: 2017-09-21 20:41:23
Local clock offset: 0.129 ms
Remote clock offset: -1.245 ms

Below is generated by plot.py at 2017-09-22 03:59:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.62 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 99.34 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 108.16 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.19%

Run 4: Report of Indigo-calib — Data Link



Run 5: Statistics of Indigo-calib

Start at: 2017-09-21 21:01:31

End at: 2017-09-21 21:02:01

Local clock offset: 0.186 ms

Remote clock offset: -1.31 ms

Below is generated by plot.py at 2017-09-22 04:00:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 232.07 Mbit/s

95th percentile per-packet one-way delay: 1.217 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 131.27 Mbit/s

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

Loss rate: 0.06%

-- Flow 2:

Average throughput: 104.46 Mbit/s

95th percentile per-packet one-way delay: 1.176 ms

Loss rate: 0.11%

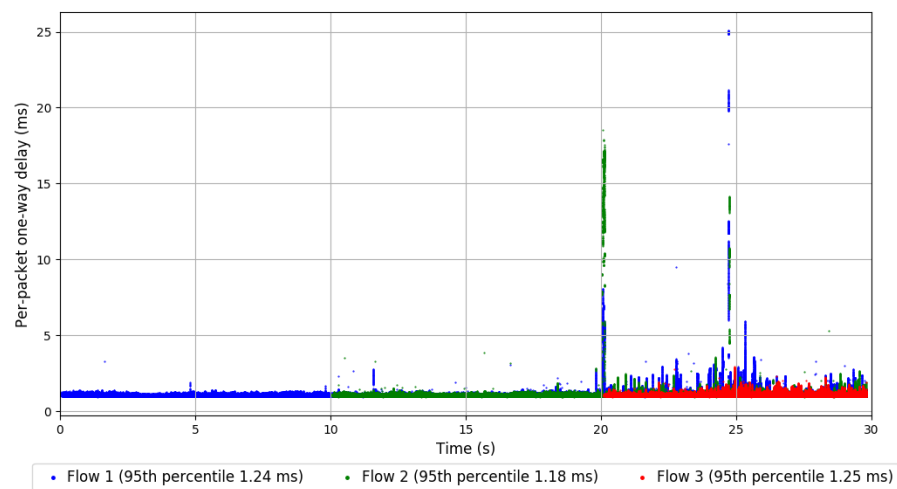
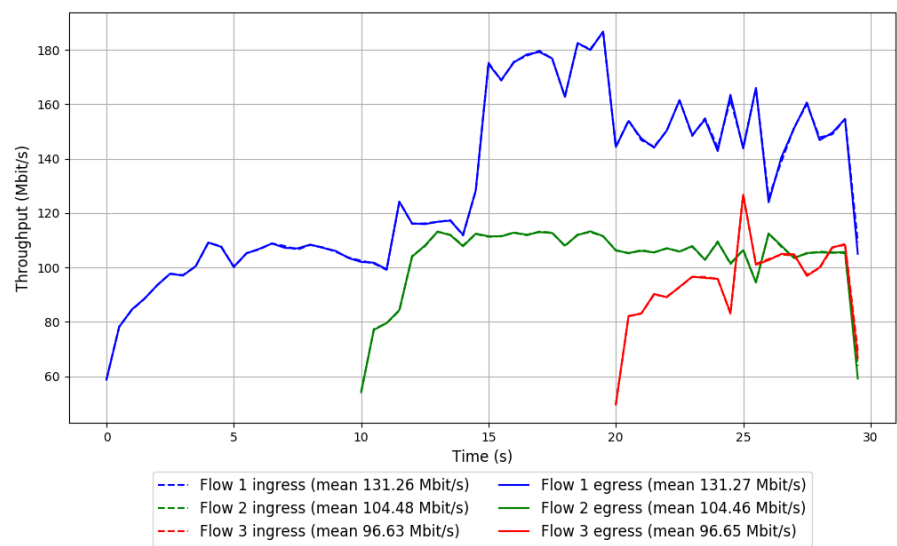
-- Flow 3:

Average throughput: 96.65 Mbit/s

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

Loss rate: 0.16%

Run 5: Report of Indigo-calib — Data Link

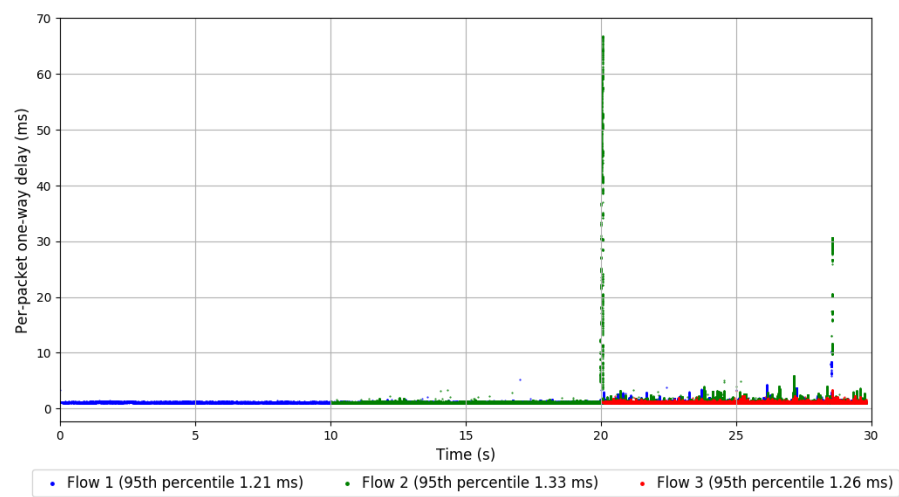
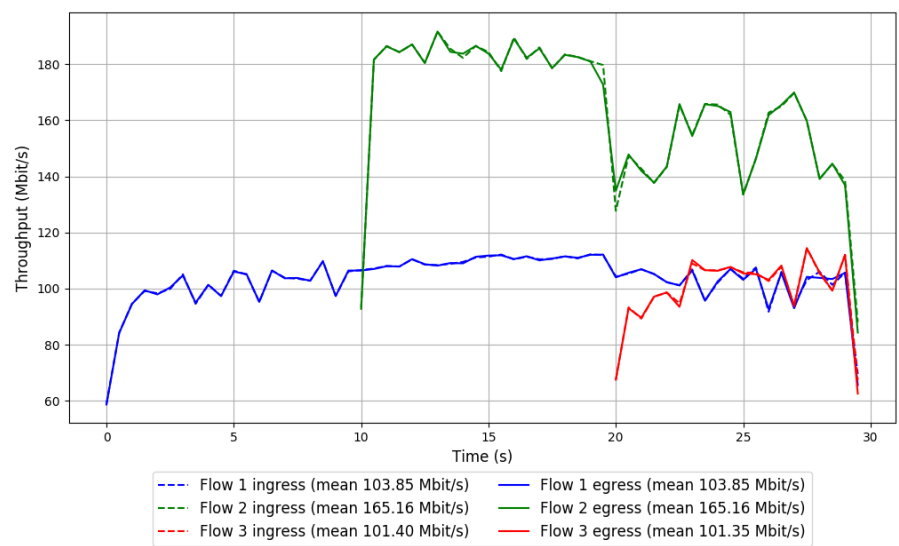


Run 6: Statistics of Indigo-calib

Start at: 2017-09-21 21:22:11
End at: 2017-09-21 21:22:41
Local clock offset: 0.503 ms
Remote clock offset: -1.297 ms

Below is generated by plot.py at 2017-09-22 04:00:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.70 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 103.85 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 165.16 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 101.35 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.25%

Run 6: Report of Indigo-calib — Data Link

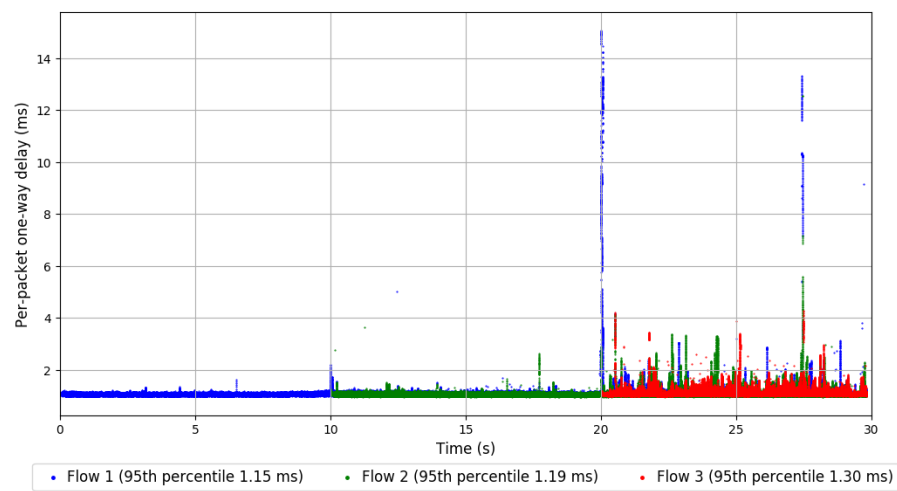
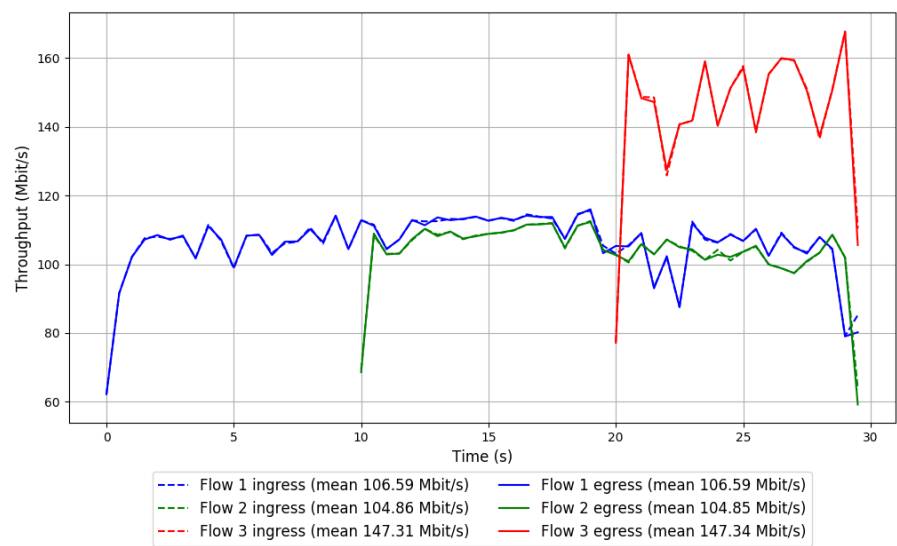


Run 7: Statistics of Indigo-calib

Start at: 2017-09-21 21:42:56
End at: 2017-09-21 21:43:26
Local clock offset: 0.497 ms
Remote clock offset: -1.111 ms

Below is generated by plot.py at 2017-09-22 04:00:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.36 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 106.59 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 104.85 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 147.34 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.18%

Run 7: Report of Indigo-calib — Data Link

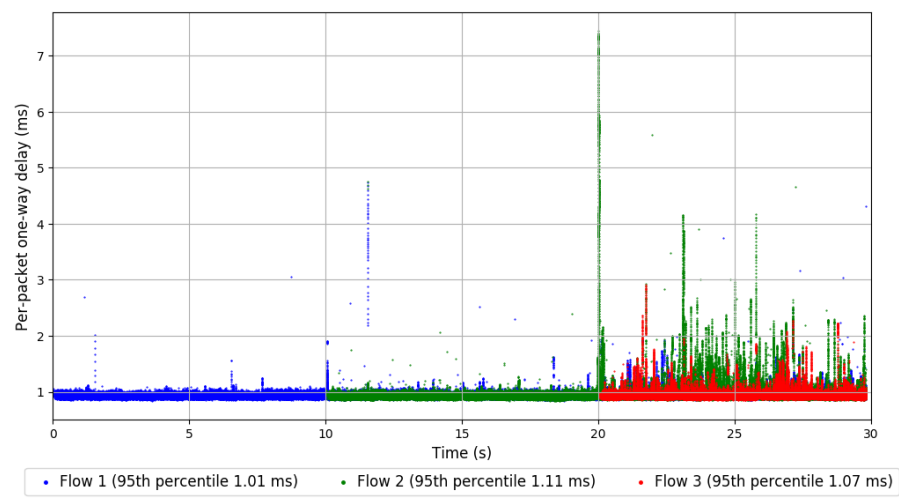
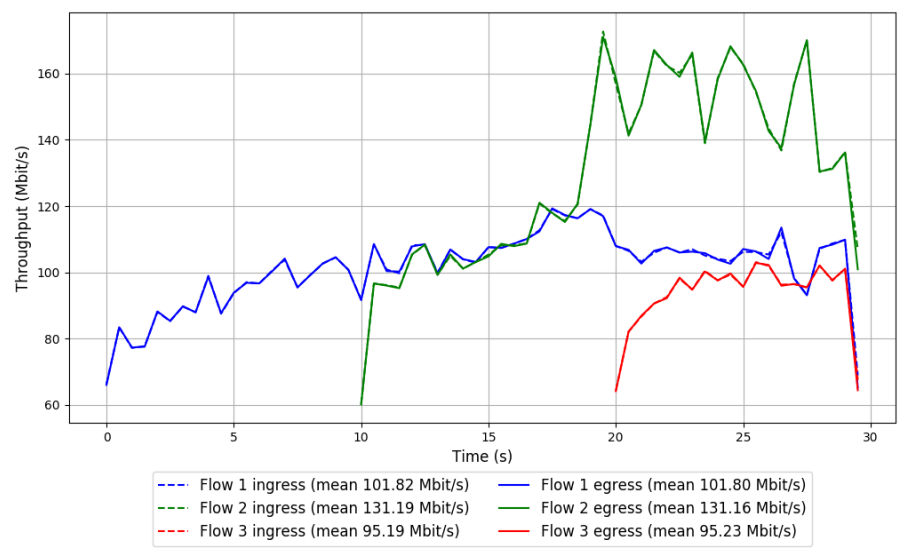


Run 8: Statistics of Indigo-calib

Start at: 2017-09-21 22:03:48
End at: 2017-09-21 22:04:18
Local clock offset: 0.347 ms
Remote clock offset: -1.054 ms

Below is generated by plot.py at 2017-09-22 04:00:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.98 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 101.80 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 131.16 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.17%

Run 8: Report of Indigo-calib — Data Link

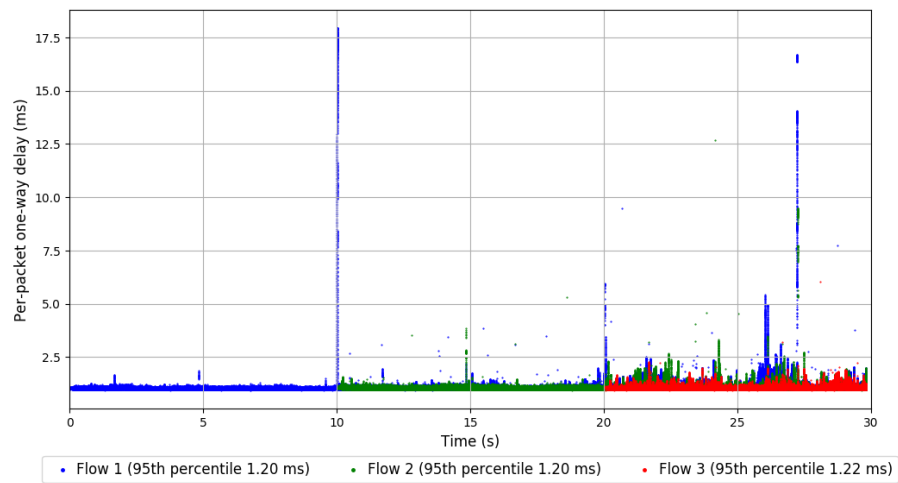
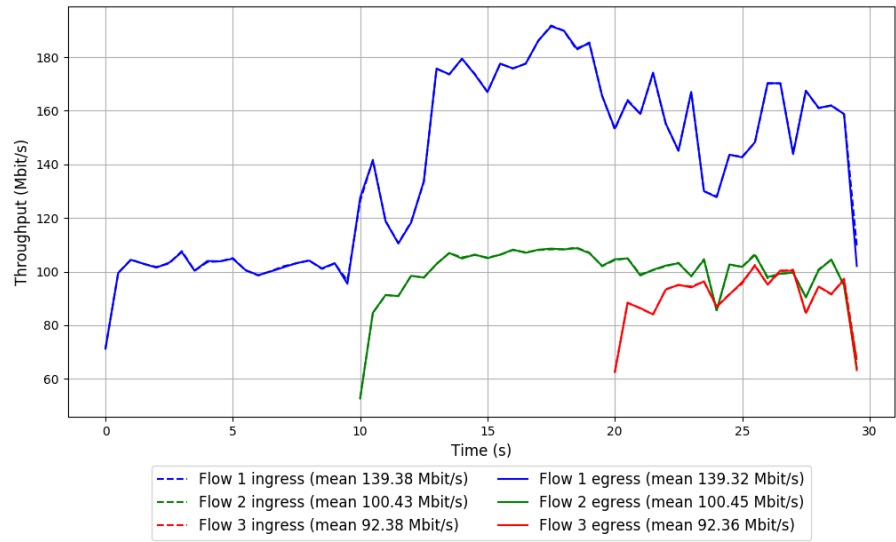


Run 9: Statistics of Indigo-calib

Start at: 2017-09-21 22:24:25
End at: 2017-09-21 22:24:55
Local clock offset: 0.454 ms
Remote clock offset: -1.096 ms

Below is generated by plot.py at 2017-09-22 04:01:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.11 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 139.32 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 100.45 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.24%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-09-21 22:44:57

End at: 2017-09-21 22:45:27

Local clock offset: 0.333 ms

Remote clock offset: -1.16 ms

Below is generated by plot.py at 2017-09-22 04:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.57 Mbit/s

95th percentile per-packet one-way delay: 1.202 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 163.97 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 158.27 Mbit/s

95th percentile per-packet one-way delay: 1.212 ms

Loss rate: 0.08%

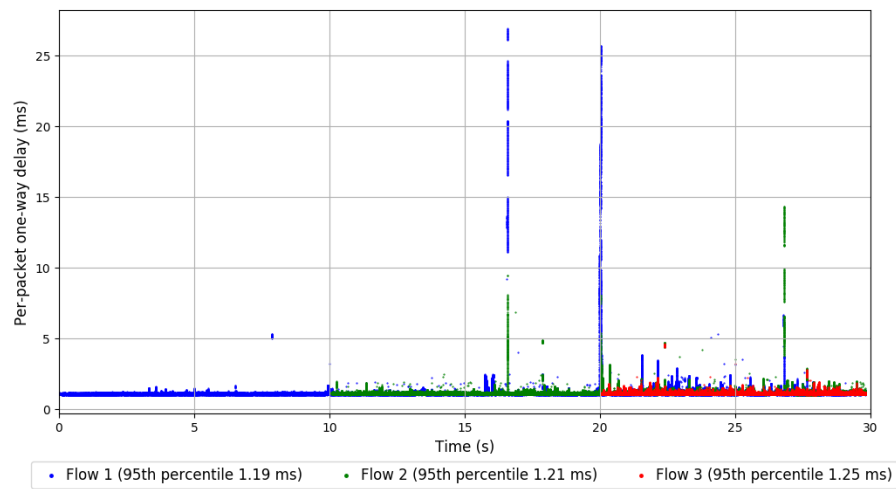
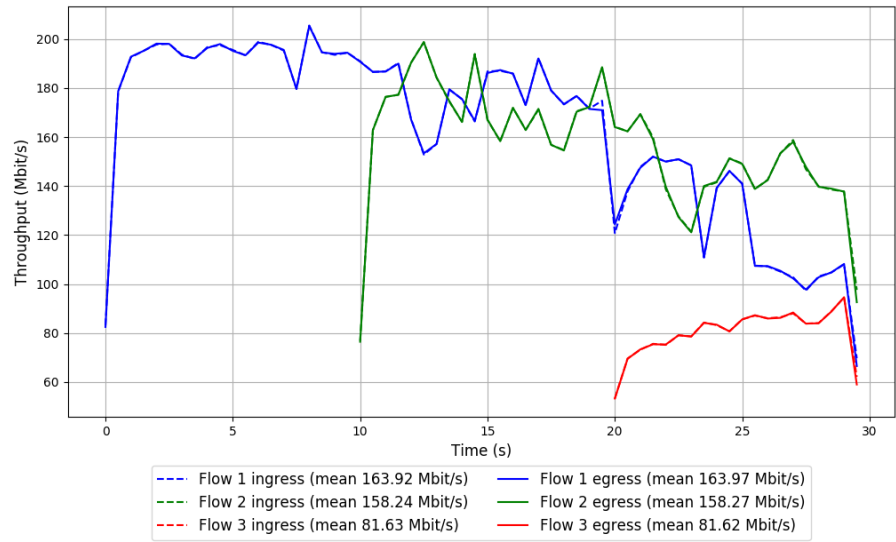
-- Flow 3:

Average throughput: 81.62 Mbit/s

95th percentile per-packet one-way delay: 1.250 ms

Loss rate: 0.20%

Run 10: Report of Indigo-calib — Data Link

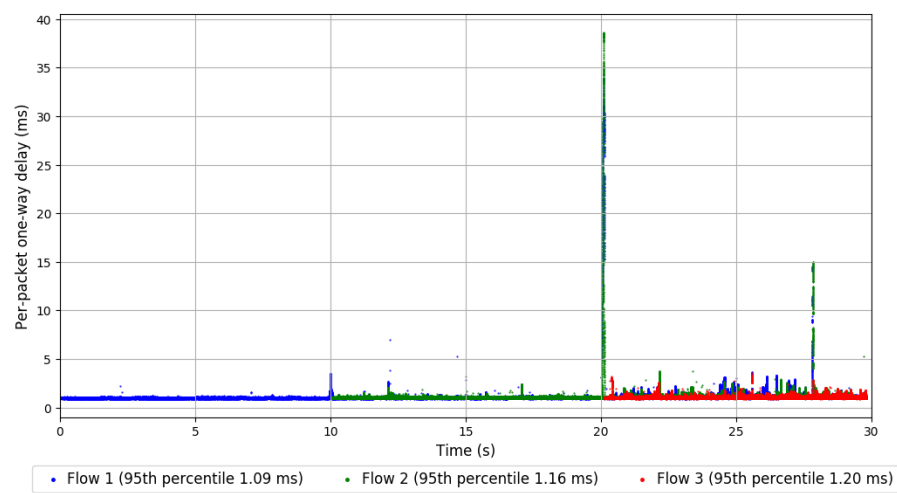
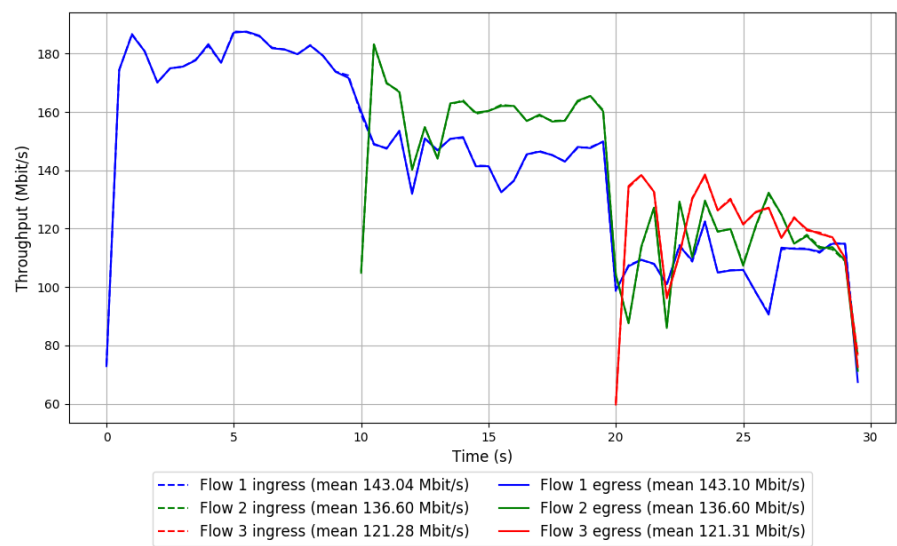


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 19:40:25
End at: 2017-09-21 19:40:55
Local clock offset: -0.523 ms
Remote clock offset: -1.999 ms

# Below is generated by plot.py at 2017-09-22 04:03:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 273.16 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 143.10 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 136.60 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 121.31 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.18%
```

Run 1: Report of Indigo-delay — Data Link

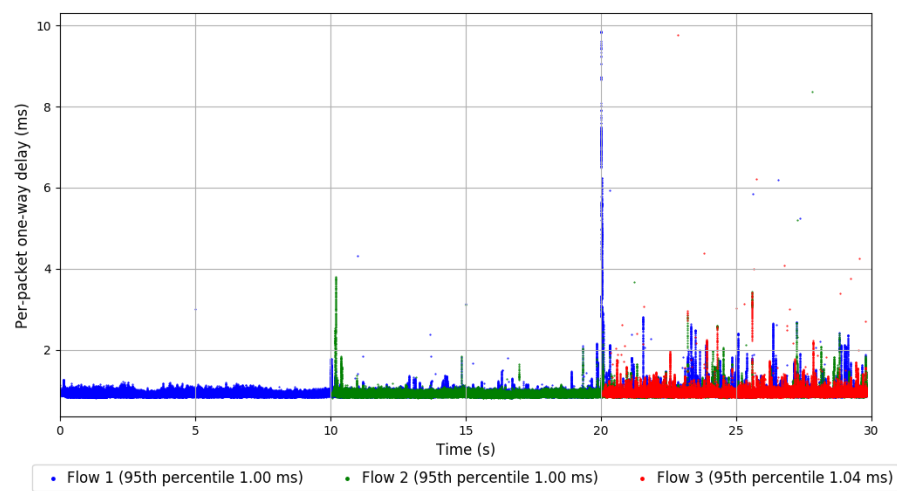
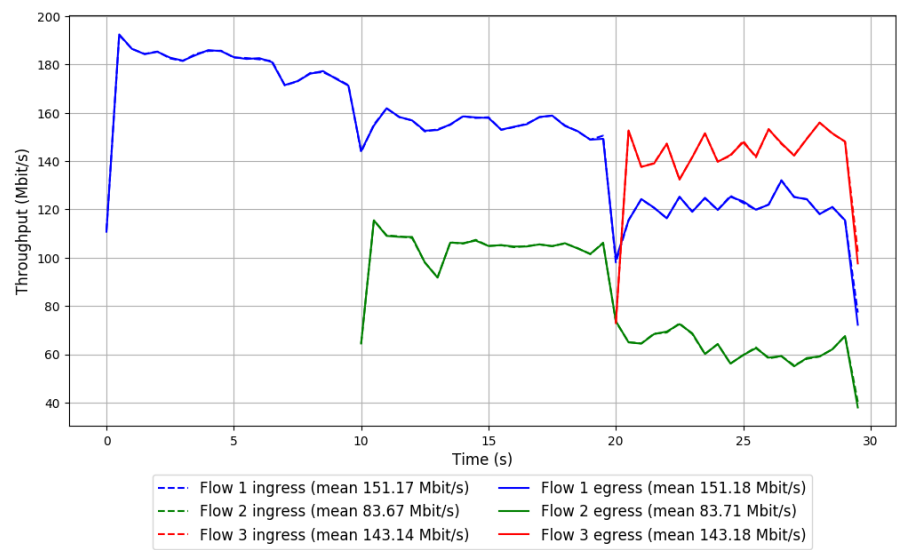


```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 20:01:06
End at: 2017-09-21 20:01:36
Local clock offset: -0.257 ms
Remote clock offset: -1.243 ms

# Below is generated by plot.py at 2017-09-22 04:03:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.46 Mbit/s
95th percentile per-packet one-way delay: 1.011 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 151.18 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 143.18 Mbit/s
95th percentile per-packet one-way delay: 1.043 ms
Loss rate: 0.18%
```

Run 2: Report of Indigo-delay — Data Link

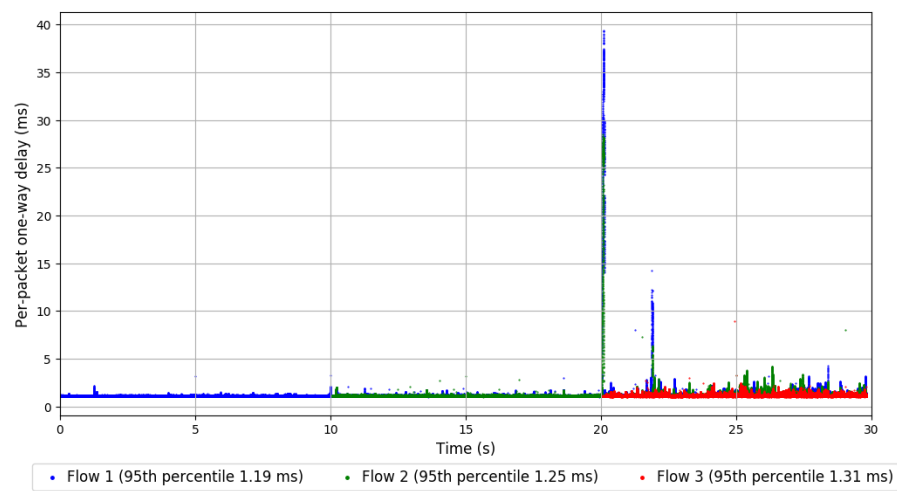
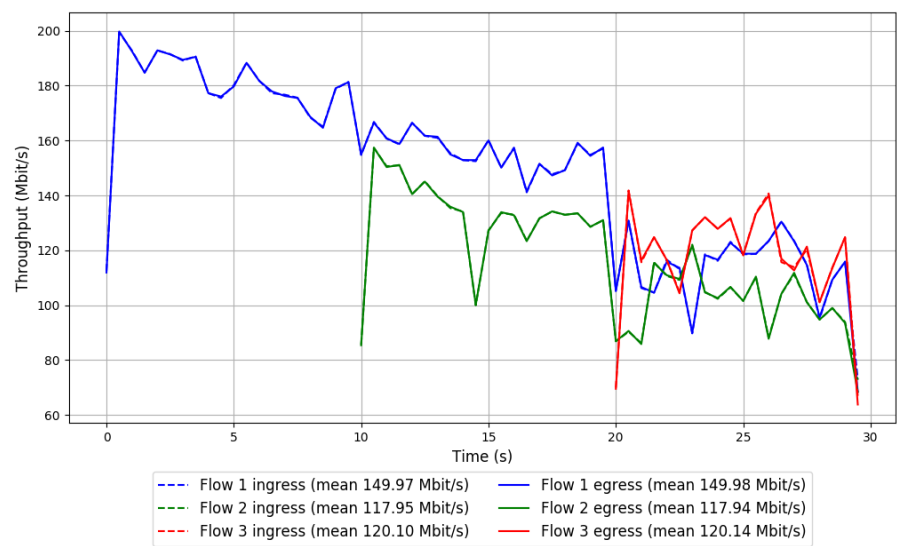


Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 20:21:38
End at: 2017-09-21 20:22:08
Local clock offset: 0.094 ms
Remote clock offset: -0.909 ms

Below is generated by plot.py at 2017-09-22 04:04:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 267.26 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 149.98 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 117.94 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 120.14 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.14%

Run 3: Report of Indigo-delay — Data Link

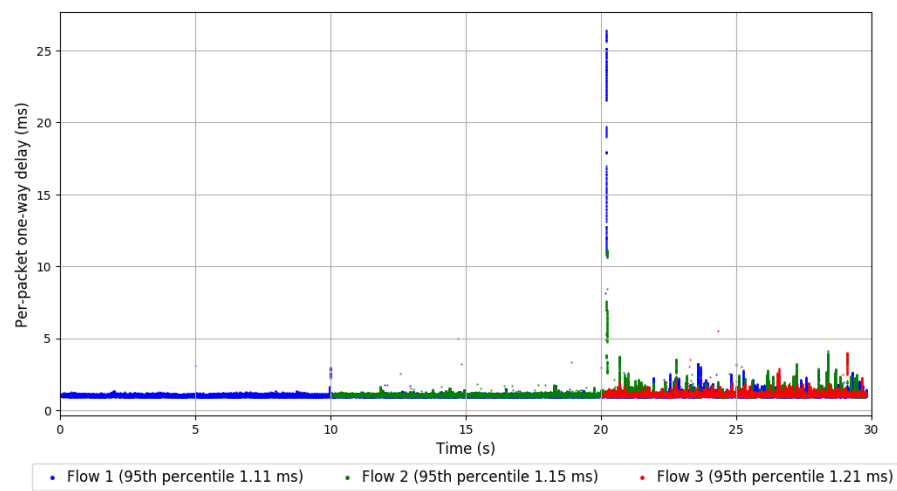
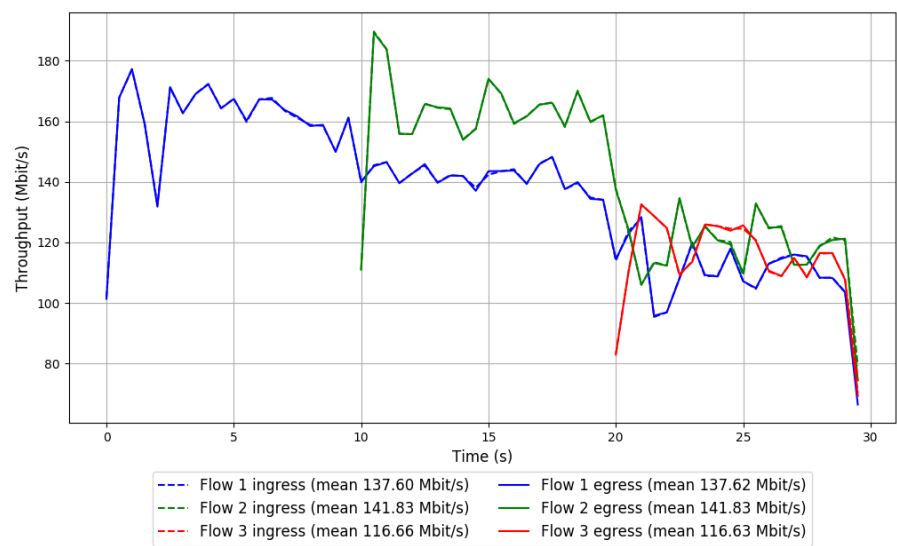


Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 20:42:15
End at: 2017-09-21 20:42:45
Local clock offset: 0.017 ms
Remote clock offset: -1.326 ms

Below is generated by plot.py at 2017-09-22 04:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 269.95 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 137.62 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 141.83 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 116.63 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.23%

Run 4: Report of Indigo-delay — Data Link



Run 5: Statistics of Indigo-delay

Start at: 2017-09-21 21:02:54

End at: 2017-09-21 21:03:24

Local clock offset: 0.2 ms

Remote clock offset: -1.23 ms

Below is generated by plot.py at 2017-09-22 04:04:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.61 Mbit/s

95th percentile per-packet one-way delay: 1.073 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 148.55 Mbit/s

95th percentile per-packet one-way delay: 1.055 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 132.12 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.08%

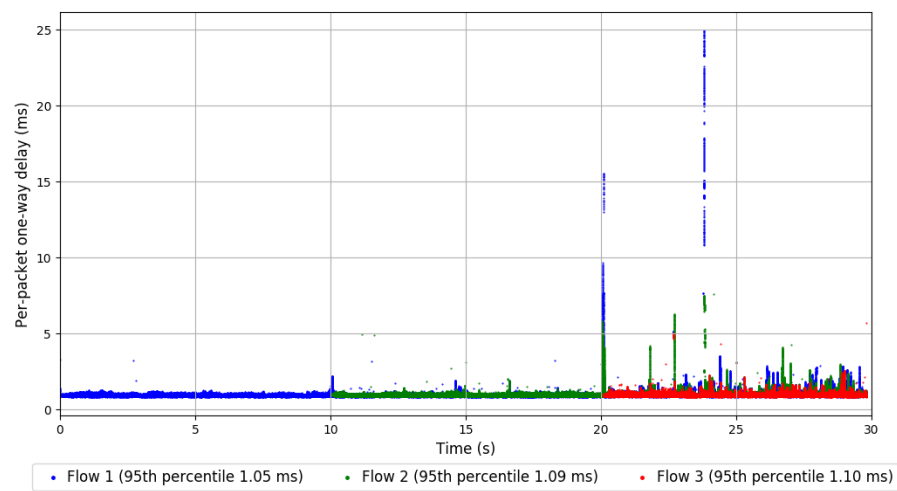
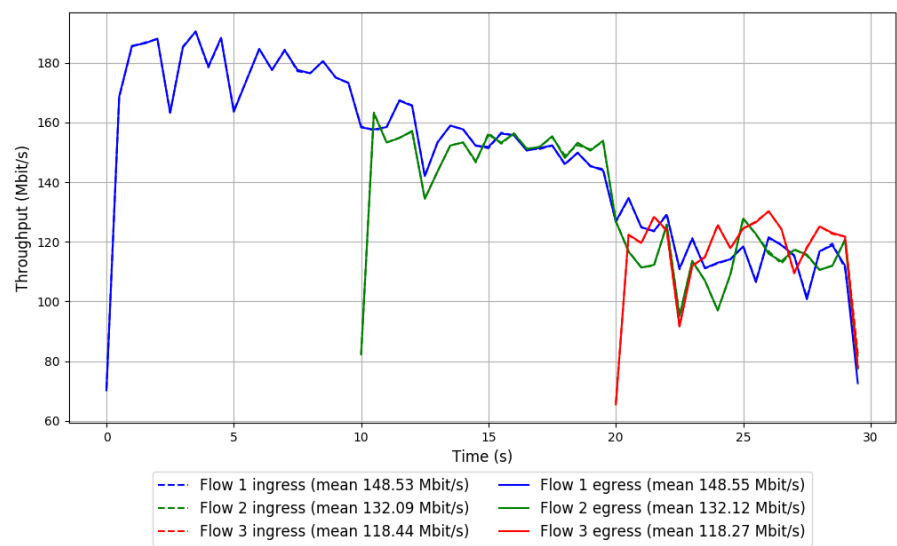
-- Flow 3:

Average throughput: 118.27 Mbit/s

95th percentile per-packet one-way delay: 1.100 ms

Loss rate: 0.20%

Run 5: Report of Indigo-delay — Data Link

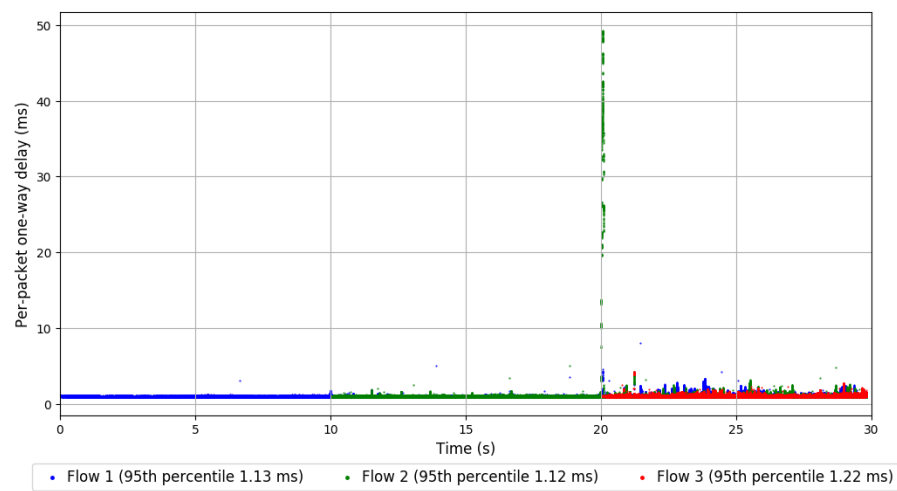
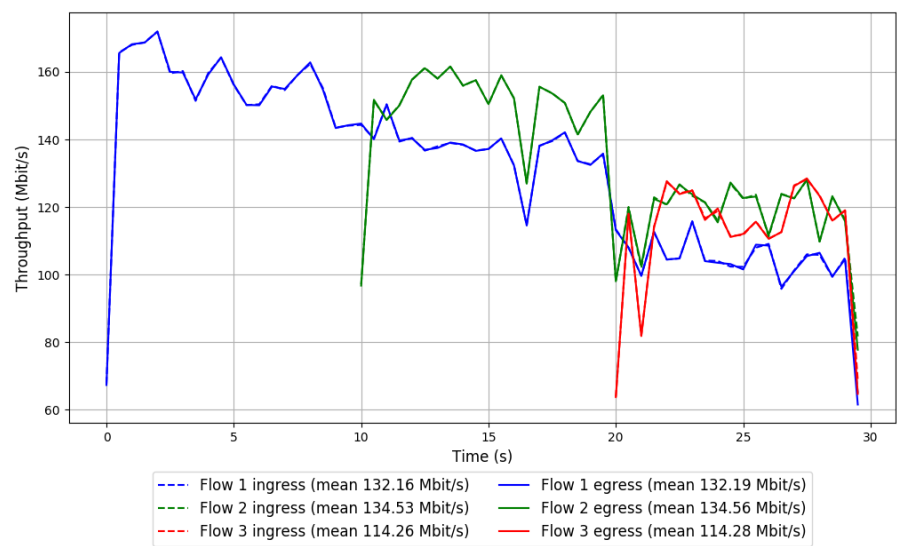


Run 6: Statistics of Indigo-delay

Start at: 2017-09-21 21:23:35
End at: 2017-09-21 21:24:05
Local clock offset: 0.534 ms
Remote clock offset: -1.182 ms

Below is generated by plot.py at 2017-09-22 04:04:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.87 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 132.19 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 134.56 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 114.28 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.19%

Run 6: Report of Indigo-delay — Data Link

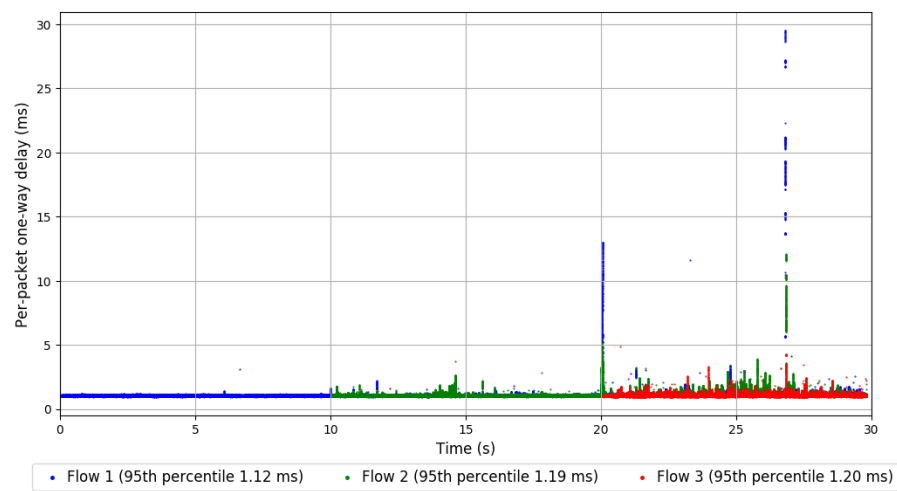
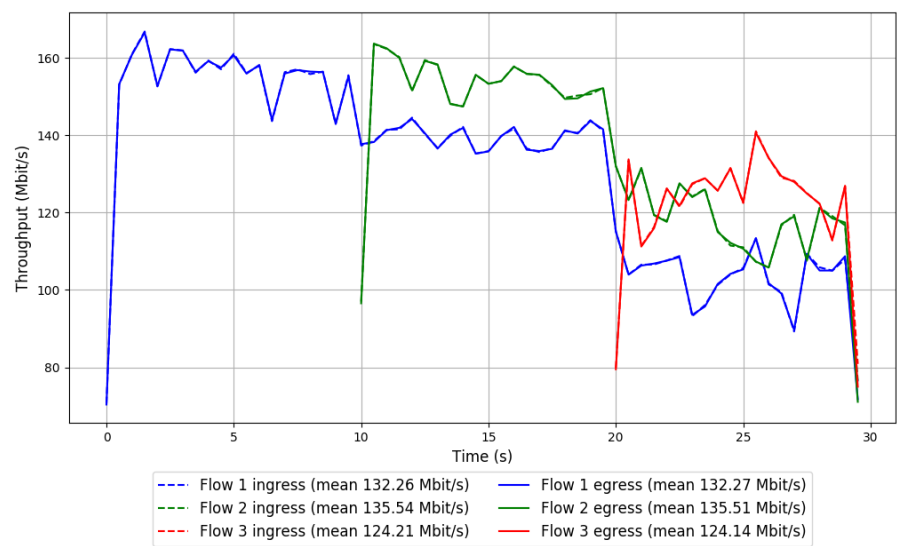


Run 7: Statistics of Indigo-delay

Start at: 2017-09-21 21:44:19
End at: 2017-09-21 21:44:49
Local clock offset: 0.514 ms
Remote clock offset: -1.045 ms

Below is generated by plot.py at 2017-09-22 04:04:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.71 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 132.27 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 135.51 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 124.14 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.24%

Run 7: Report of Indigo-delay — Data Link

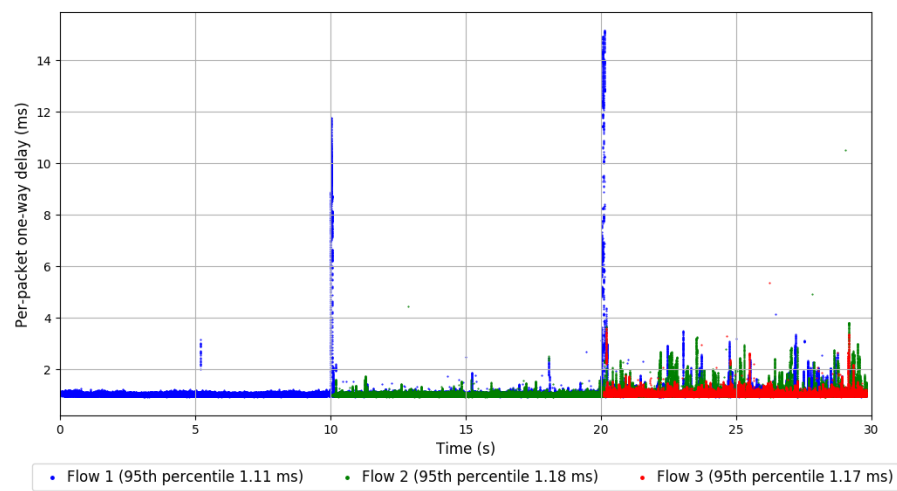
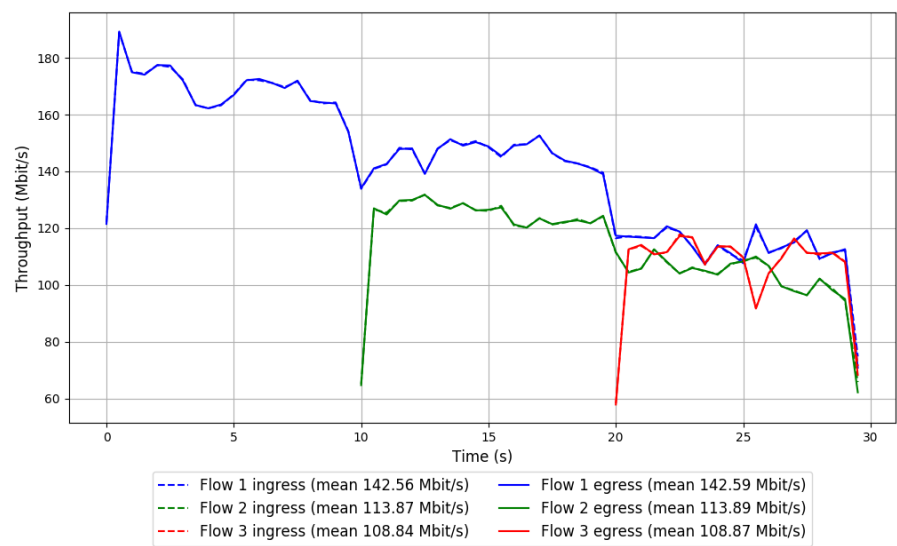


Run 8: Statistics of Indigo-delay

Start at: 2017-09-21 22:05:10
End at: 2017-09-21 22:05:40
Local clock offset: 0.45 ms
Remote clock offset: -1.045 ms

Below is generated by plot.py at 2017-09-22 04:04:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.46 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 142.59 Mbit/s
95th percentile per-packet one-way delay: 1.108 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 113.89 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 108.87 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.17%

Run 8: Report of Indigo-delay — Data Link

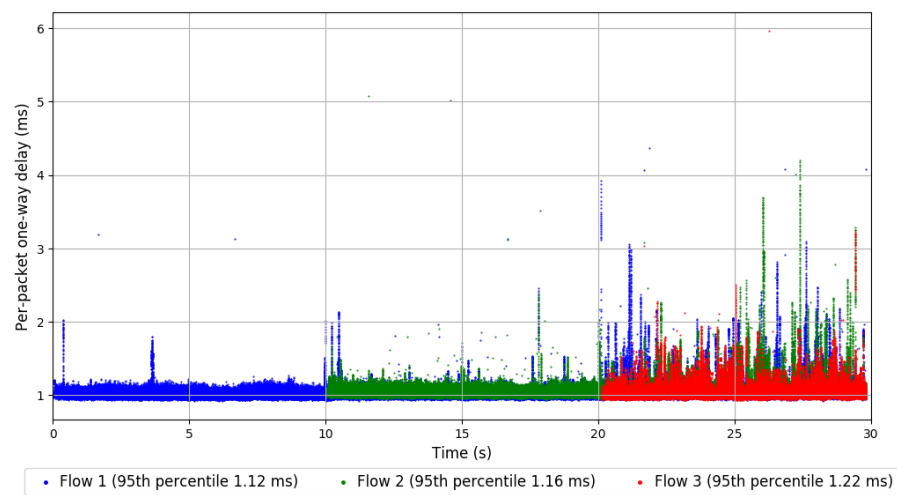
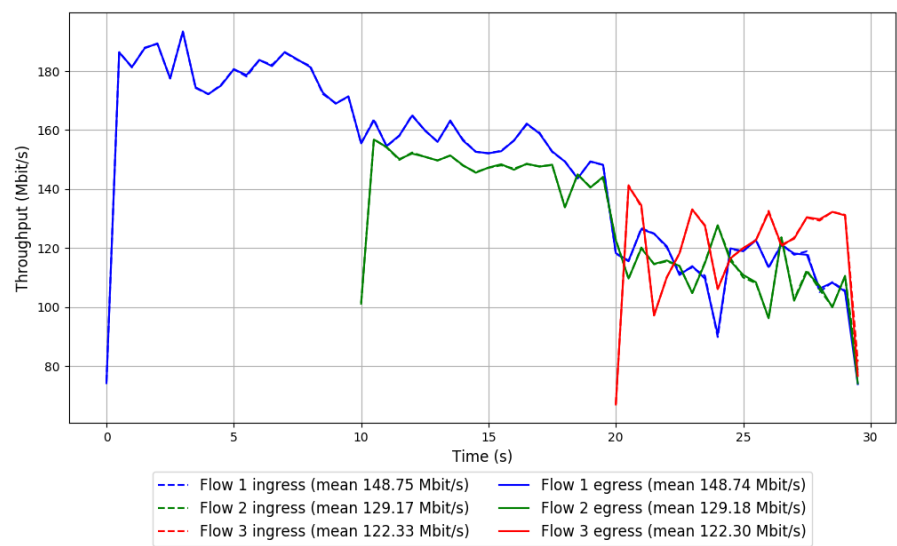


Run 9: Statistics of Indigo-delay

Start at: 2017-09-21 22:25:49
End at: 2017-09-21 22:26:19
Local clock offset: 0.341 ms
Remote clock offset: -1.164 ms

Below is generated by plot.py at 2017-09-22 04:05:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 274.29 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 148.74 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 129.18 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 122.30 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.21%

Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-21 22:46:23
End at: 2017-09-21 22:46:53
Local clock offset: 0.26 ms
Remote clock offset: -1.169 ms

Below is generated by plot.py at 2017-09-22 04:05:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.19 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 149.31 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 134.46 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 112.51 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.21%

Run 10: Report of Indigo-delay — Data Link

