

Pantheon Report

Generated at 2017-10-12 12:41:45 (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).

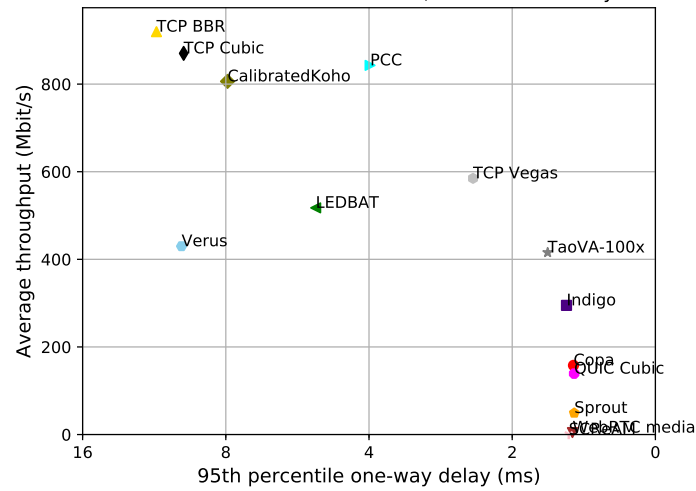
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

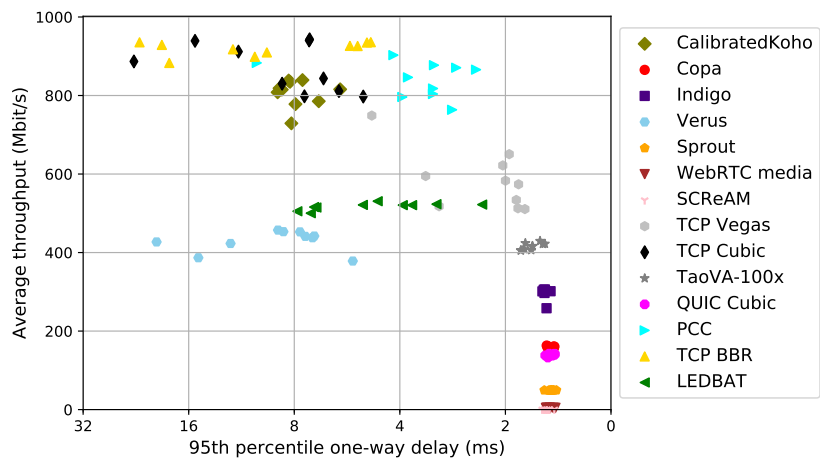
Git summary:

```
branch: indigos @ 45998d6404be7c5106956530acb9cfc43bd06e7d
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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



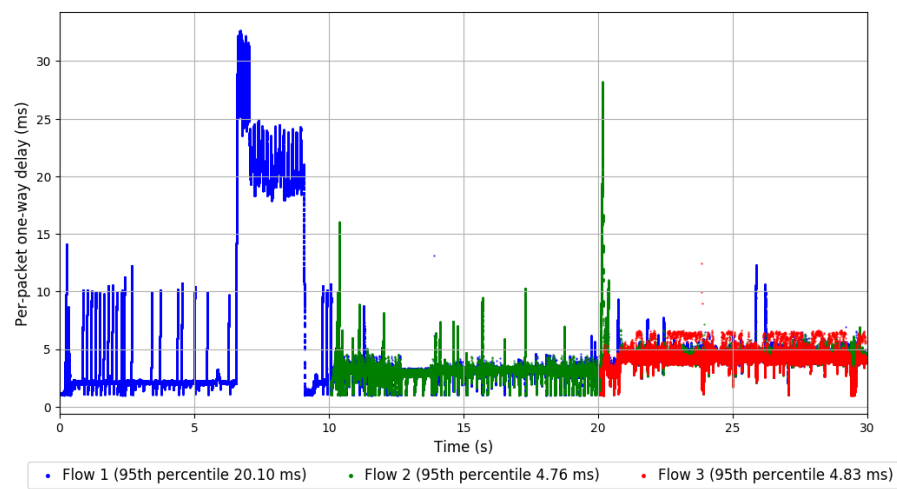
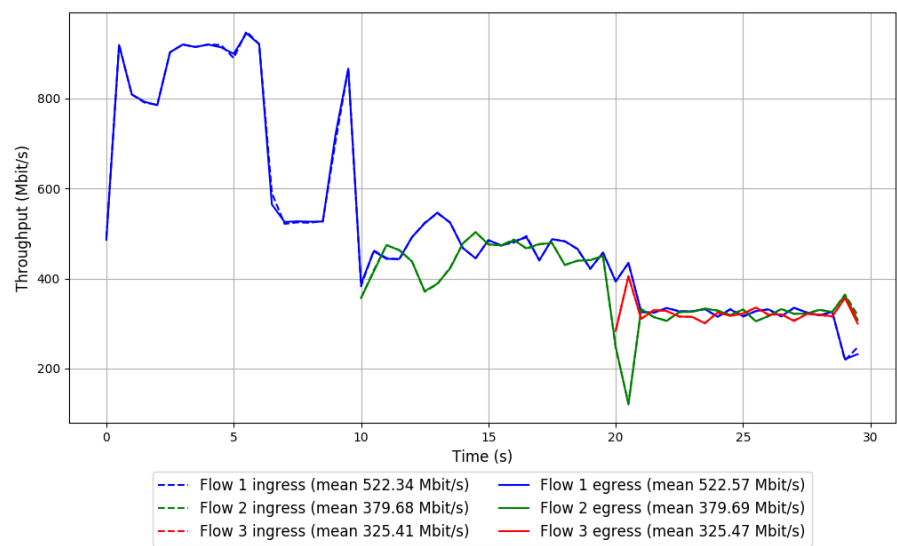
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	555.34	387.56	321.79	11.00	8.87	4.66	0.04	0.10	0.24
TCP Cubic	10	499.64	398.55	318.29	9.51	5.56	4.50	0.07	0.14	0.33
LEDBAT	10	298.50	241.07	177.56	4.98	4.65	2.63	0.06	0.09	0.23
PCC	10	589.94	310.85	141.01	7.38	2.96	3.01	0.28	0.08	0.23
QUIC Cubic	10	73.31	69.44	59.36	1.13	1.13	1.16	0.06	0.10	0.22
SCReAM	10	0.22	0.22	0.22	1.21	1.21	1.21	0.01	0.00	0.35
WebRTC media	10	2.38	1.51	0.65	1.16	1.16	1.16	0.08	0.19	0.46
Sprout	10	24.81	24.66	24.59	1.14	1.13	1.13	0.08	0.09	0.35
TaoVA-100x	10	235.91	213.45	151.83	1.30	1.73	2.06	0.04	0.08	0.25
TCP Vegas	10	272.25	321.44	298.13	2.09	2.54	2.40	0.06	0.09	0.21
Verus	10	259.00	184.39	147.84	10.87	7.53	5.29	0.17	0.03	0.26
Copa	8	83.51	82.43	76.48	1.14	1.15	1.16	0.05	0.10	0.14
CalibratedKoho	10	447.86	384.25	310.18	8.30	7.12	5.17	0.06	0.10	0.25
Indigo	6	159.17	149.29	111.93	1.22	1.28	1.28	0.06	0.09	0.20

Run 1: Statistics of TCP BBR

Start at: 2017-10-12 03:44:41
End at: 2017-10-12 03:45:11
Local clock offset: 1.011 ms
Remote clock offset: -3.315 ms

Below is generated by plot.py at 2017-10-12 11:00:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 883.00 Mbit/s
95th percentile per-packet one-way delay: 18.175 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 522.57 Mbit/s
95th percentile per-packet one-way delay: 20.101 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 379.69 Mbit/s
95th percentile per-packet one-way delay: 4.758 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 325.47 Mbit/s
95th percentile per-packet one-way delay: 4.829 ms
Loss rate: 0.21%

Run 1: Report of TCP BBR — Data Link

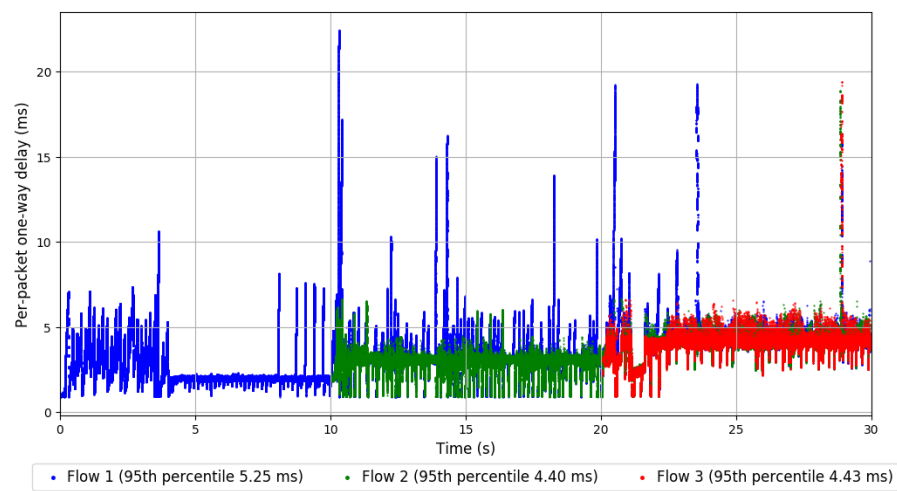
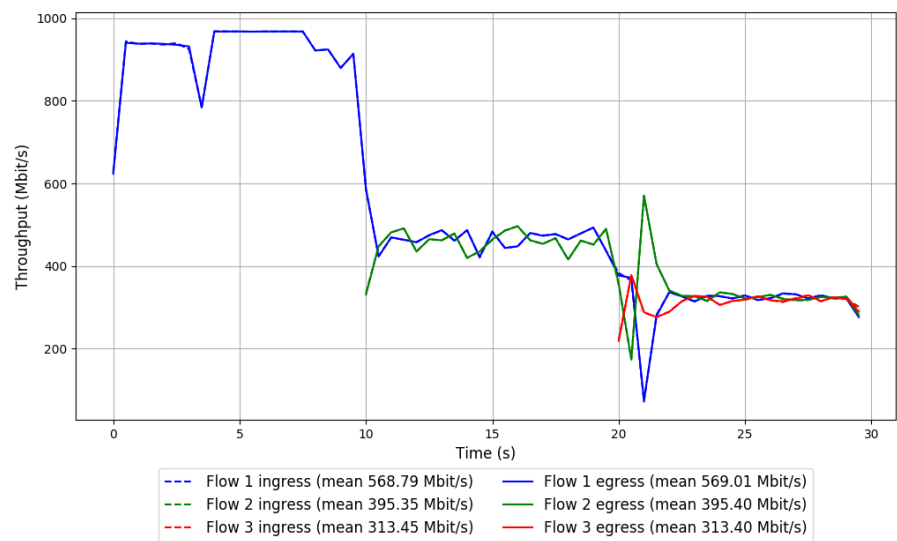


Run 2: Statistics of TCP BBR

Start at: 2017-10-12 04:05:44
End at: 2017-10-12 04:06:14
Local clock offset: 1.218 ms
Remote clock offset: -2.501 ms

Below is generated by plot.py at 2017-10-12 11:01:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 935.84 Mbit/s
95th percentile per-packet one-way delay: 4.841 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 569.01 Mbit/s
95th percentile per-packet one-way delay: 5.252 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 395.40 Mbit/s
95th percentile per-packet one-way delay: 4.396 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 313.40 Mbit/s
95th percentile per-packet one-way delay: 4.431 ms
Loss rate: 0.24%

Run 2: Report of TCP BBR — Data Link

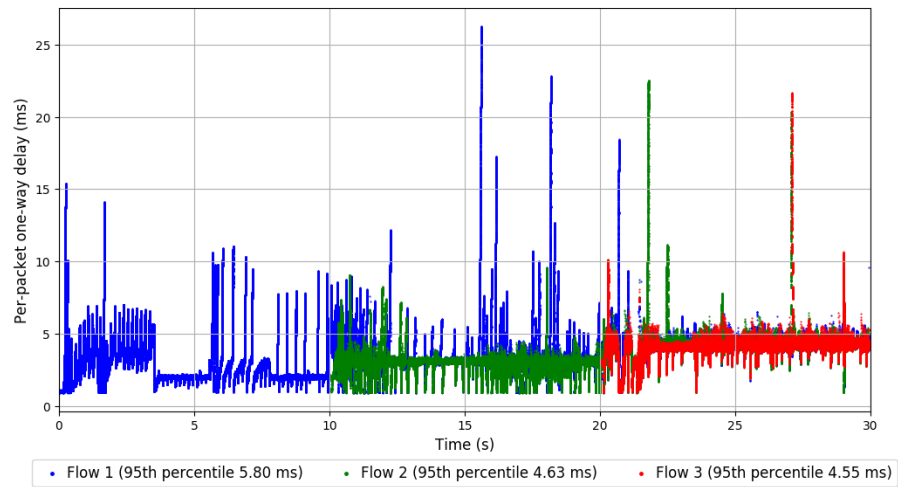
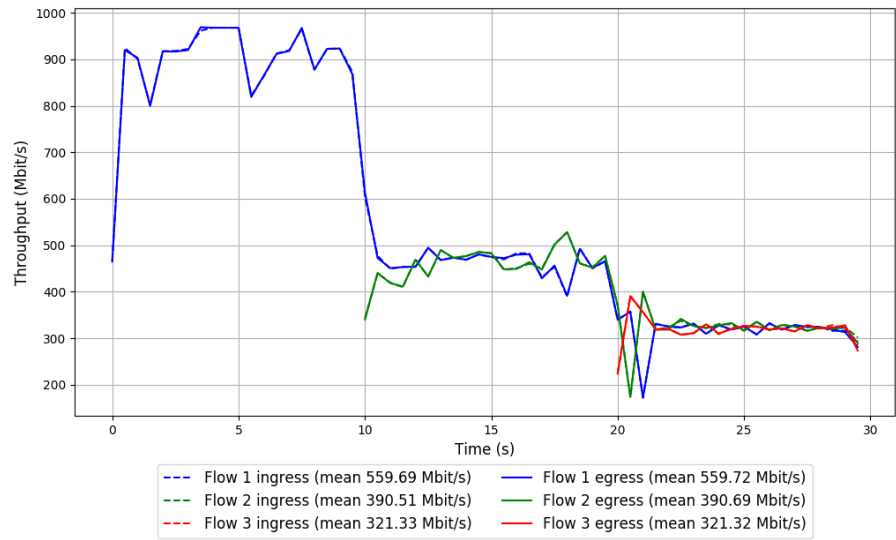


Run 3: Statistics of TCP BBR

Start at: 2017-10-12 04:27:03
End at: 2017-10-12 04:27:33
Local clock offset: 1.213 ms
Remote clock offset: -1.934 ms

Below is generated by plot.py at 2017-10-12 11:01:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 926.04 Mbit/s
95th percentile per-packet one-way delay: 5.278 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 559.72 Mbit/s
95th percentile per-packet one-way delay: 5.797 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.69 Mbit/s
95th percentile per-packet one-way delay: 4.629 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 321.32 Mbit/s
95th percentile per-packet one-way delay: 4.554 ms
Loss rate: 0.23%

Run 3: Report of TCP BBR — Data Link

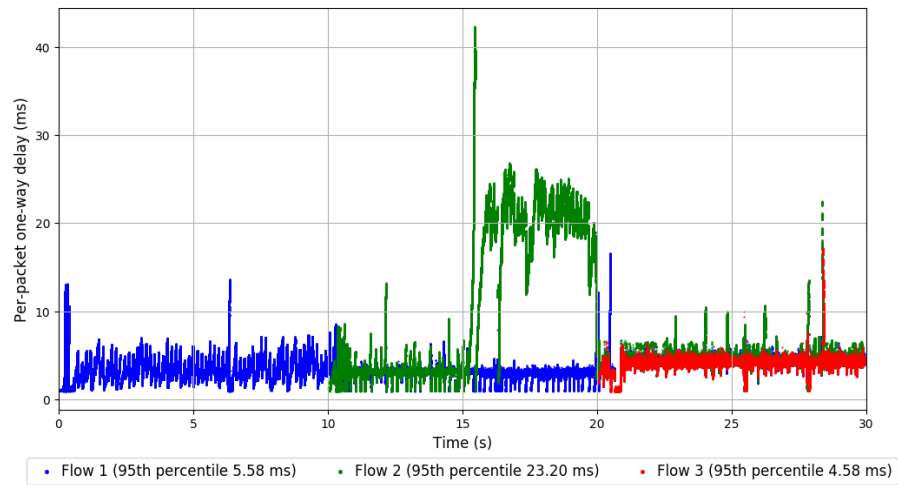
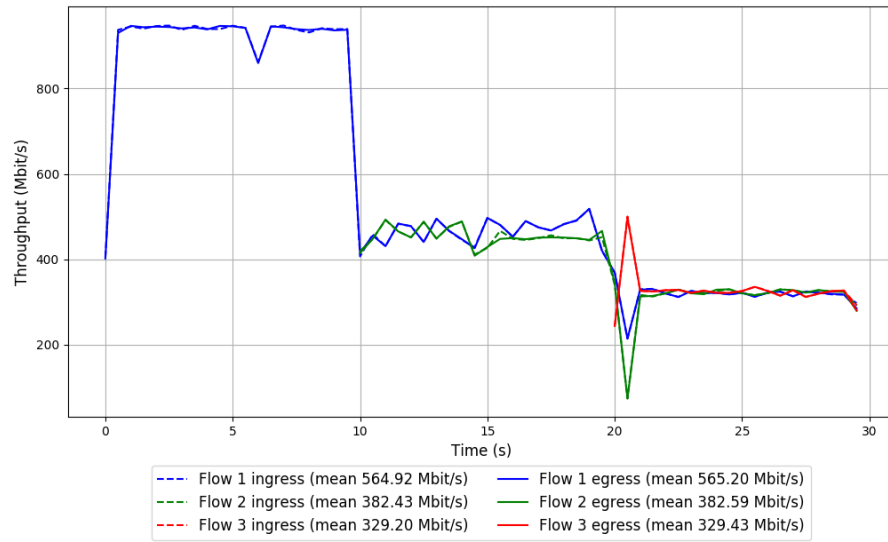


Run 4: Statistics of TCP BBR

Start at: 2017-10-12 04:48:18
End at: 2017-10-12 04:48:48
Local clock offset: 1.365 ms
Remote clock offset: -1.576 ms

Below is generated by plot.py at 2017-10-12 11:01:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 928.92 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 565.20 Mbit/s
95th percentile per-packet one-way delay: 5.579 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 382.59 Mbit/s
95th percentile per-packet one-way delay: 23.203 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 329.43 Mbit/s
95th percentile per-packet one-way delay: 4.585 ms
Loss rate: 0.23%

Run 4: Report of TCP BBR — Data Link

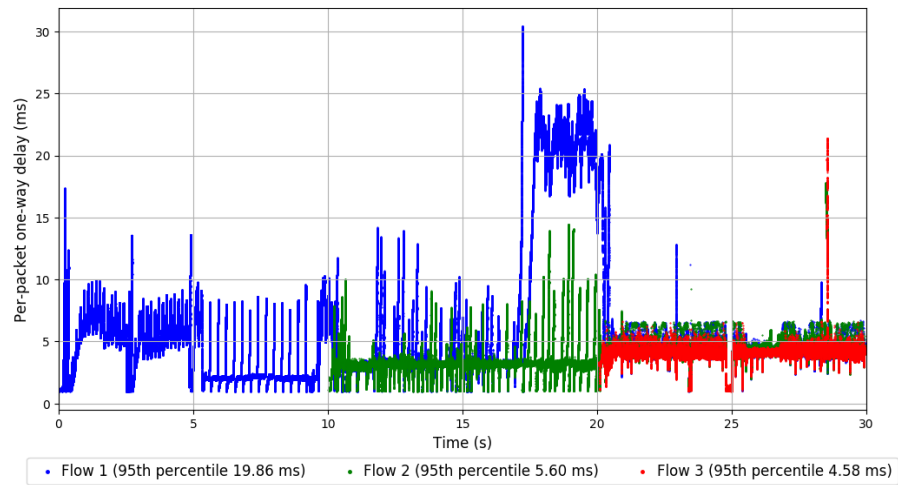
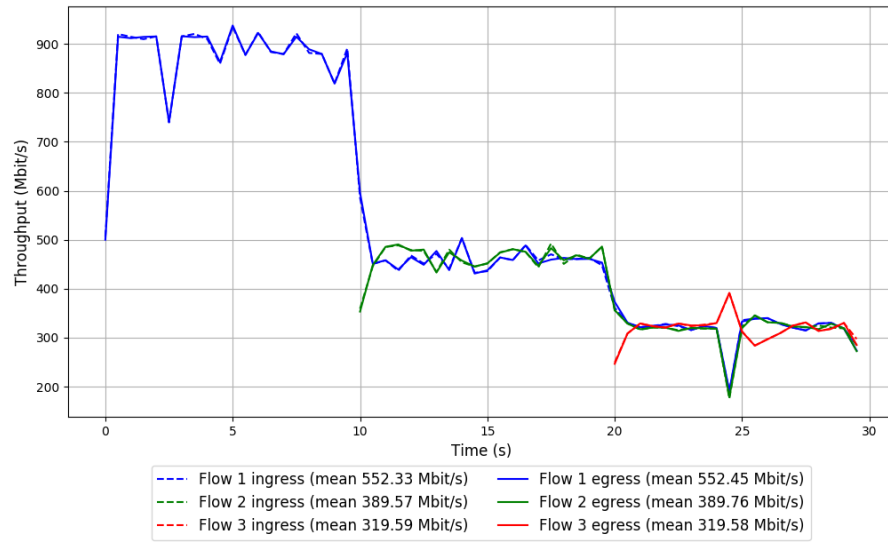


Run 5: Statistics of TCP BBR

Start at: 2017-10-12 05:09:41
End at: 2017-10-12 05:10:11
Local clock offset: 1.5 ms
Remote clock offset: -1.198 ms

Below is generated by plot.py at 2017-10-12 11:01:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 917.75 Mbit/s
95th percentile per-packet one-way delay: 11.966 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 552.45 Mbit/s
95th percentile per-packet one-way delay: 19.862 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 389.76 Mbit/s
95th percentile per-packet one-way delay: 5.603 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 319.58 Mbit/s
95th percentile per-packet one-way delay: 4.585 ms
Loss rate: 0.23%

Run 5: Report of TCP BBR — Data Link

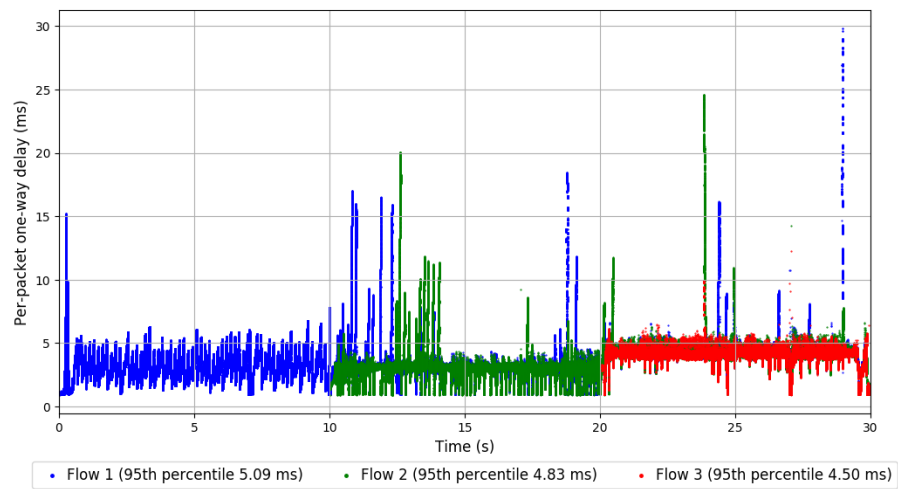
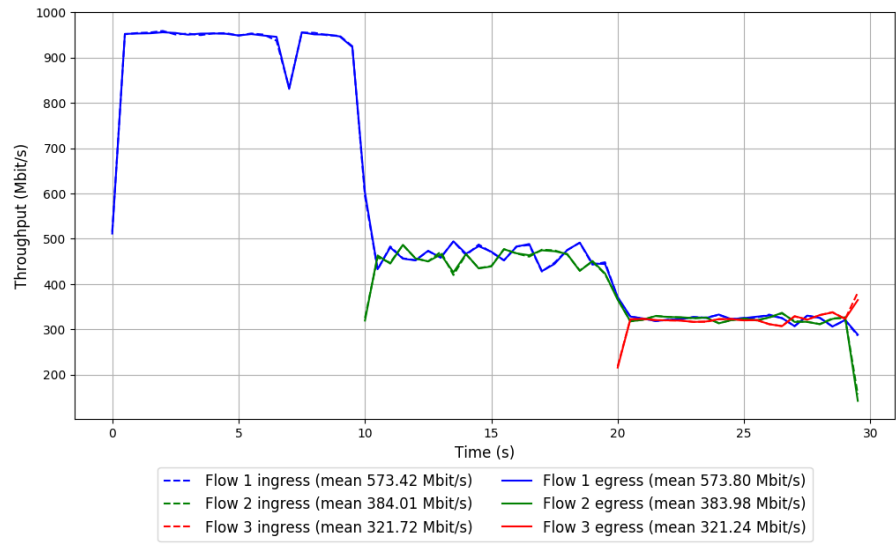


Run 6: Statistics of TCP BBR

Start at: 2017-10-12 05:30:58
End at: 2017-10-12 05:31:28
Local clock offset: 1.52 ms
Remote clock offset: -1.147 ms

Below is generated by plot.py at 2017-10-12 11:01:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 935.03 Mbit/s
95th percentile per-packet one-way delay: 4.965 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 573.80 Mbit/s
95th percentile per-packet one-way delay: 5.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 383.98 Mbit/s
95th percentile per-packet one-way delay: 4.828 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 321.24 Mbit/s
95th percentile per-packet one-way delay: 4.498 ms
Loss rate: 0.31%

Run 6: Report of TCP BBR — Data Link

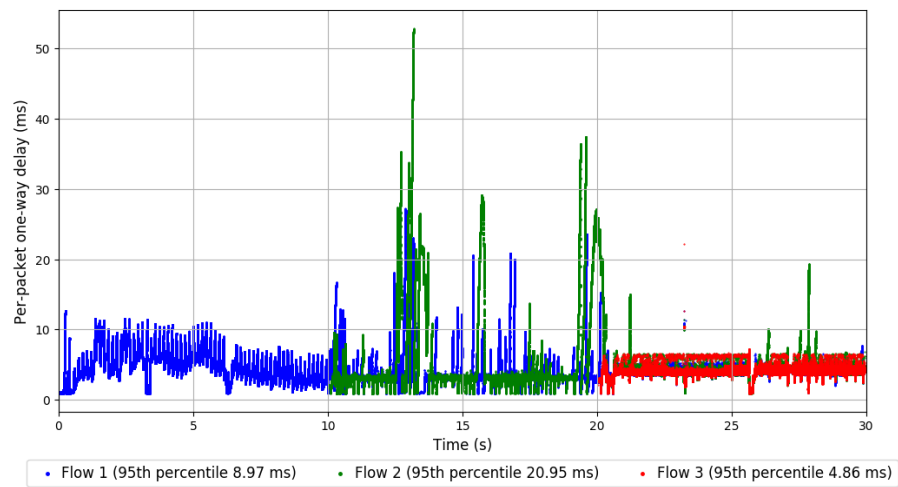
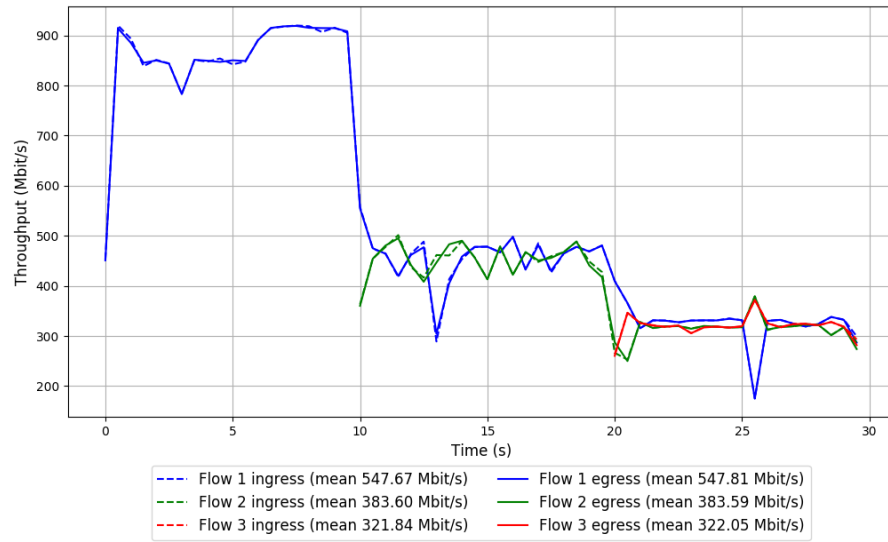


Run 7: Statistics of TCP BBR

Start at: 2017-10-12 05:52:21
End at: 2017-10-12 05:52:51
Local clock offset: 1.526 ms
Remote clock offset: -1.129 ms

Below is generated by plot.py at 2017-10-12 11:01:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 909.77 Mbit/s
95th percentile per-packet one-way delay: 9.578 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 547.81 Mbit/s
95th percentile per-packet one-way delay: 8.972 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 383.59 Mbit/s
95th percentile per-packet one-way delay: 20.953 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 322.05 Mbit/s
95th percentile per-packet one-way delay: 4.858 ms
Loss rate: 0.22%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-10-12 06:13:32

End at: 2017-10-12 06:14:02

Local clock offset: 1.376 ms

Remote clock offset: -1.34 ms

Below is generated by plot.py at 2017-10-12 11:01:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 898.76 Mbit/s

95th percentile per-packet one-way delay: 10.368 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 526.30 Mbit/s

95th percentile per-packet one-way delay: 11.400 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 399.15 Mbit/s

95th percentile per-packet one-way delay: 4.998 ms

Loss rate: 0.11%

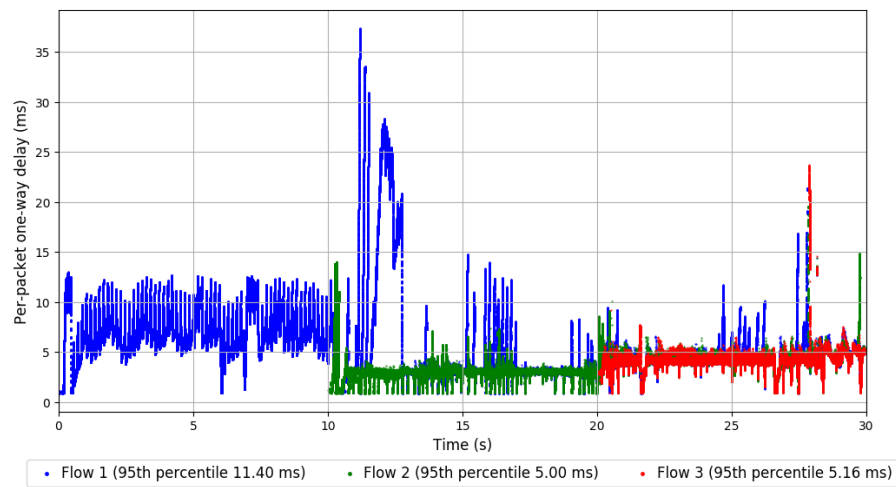
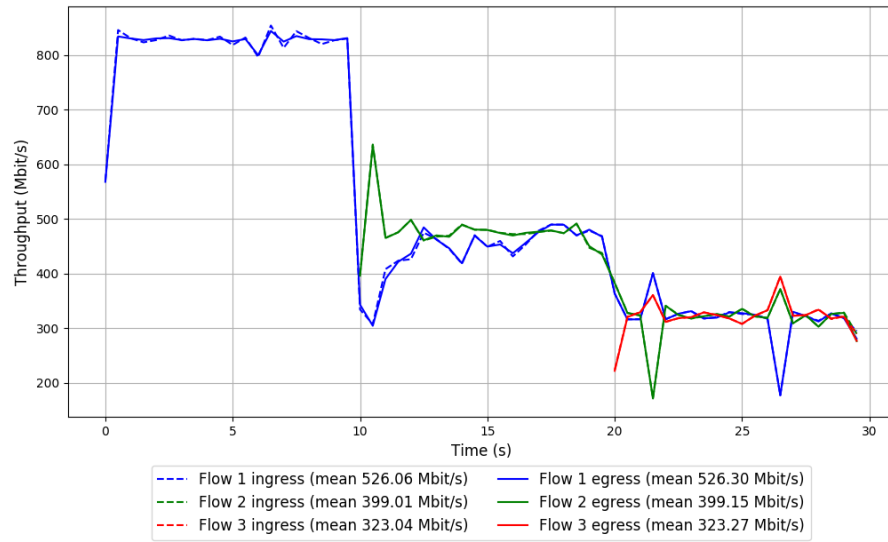
-- Flow 3:

Average throughput: 323.27 Mbit/s

95th percentile per-packet one-way delay: 5.156 ms

Loss rate: 0.25%

Run 8: Report of TCP BBR — Data Link

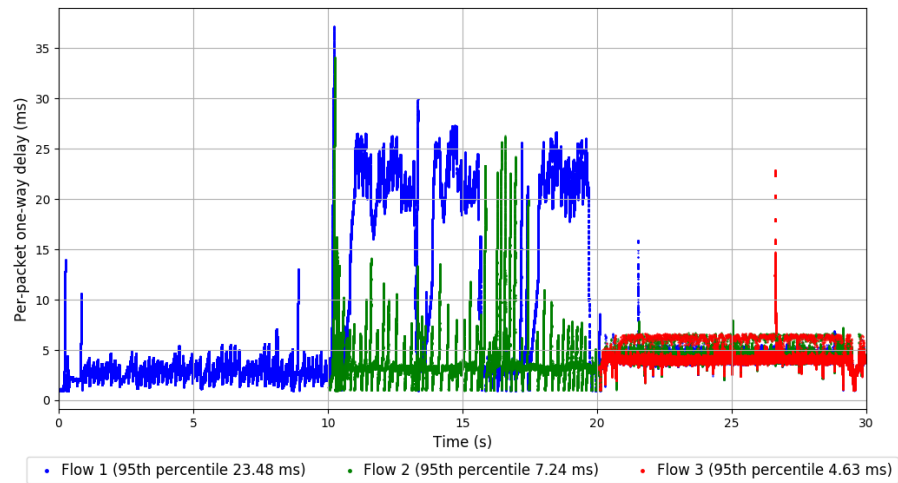
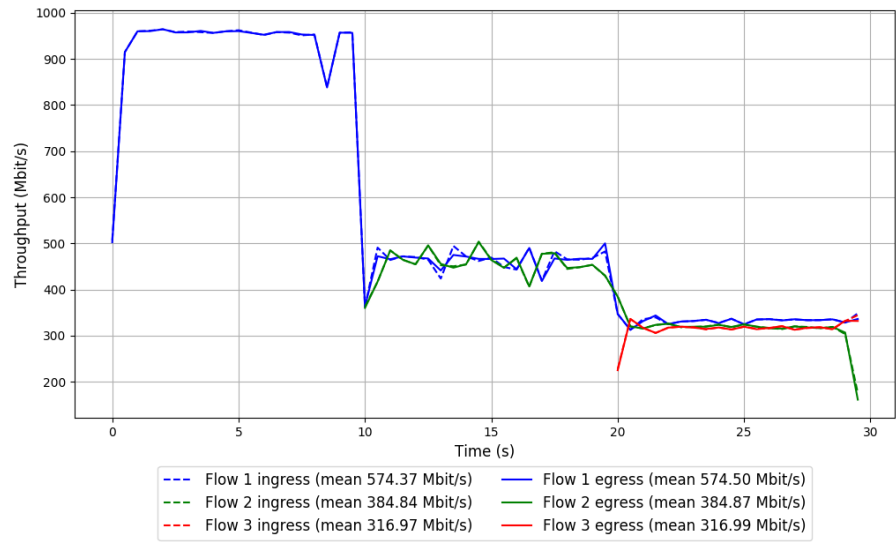


Run 9: Statistics of TCP BBR

Start at: 2017-10-12 06:34:39
End at: 2017-10-12 06:35:09
Local clock offset: 1.302 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2017-10-12 11:13:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 935.52 Mbit/s
95th percentile per-packet one-way delay: 22.095 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 574.50 Mbit/s
95th percentile per-packet one-way delay: 23.476 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 384.87 Mbit/s
95th percentile per-packet one-way delay: 7.241 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.99 Mbit/s
95th percentile per-packet one-way delay: 4.626 ms
Loss rate: 0.23%

Run 9: Report of TCP BBR — Data Link

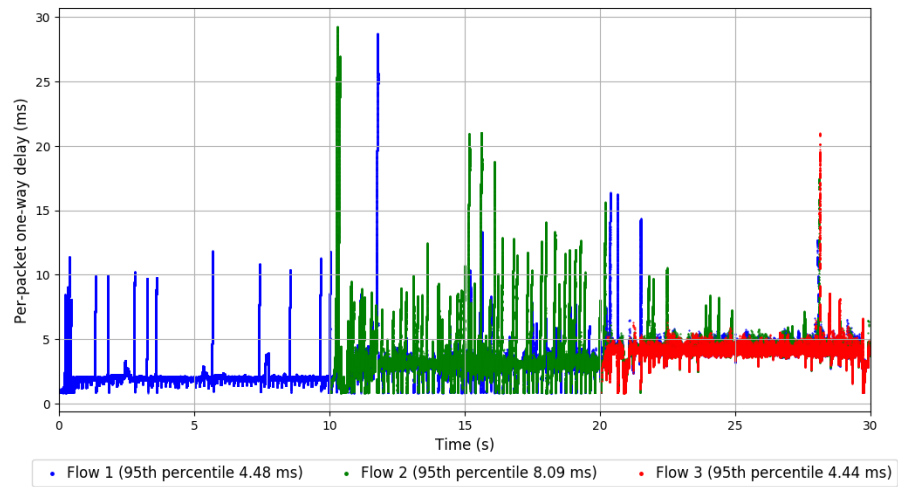
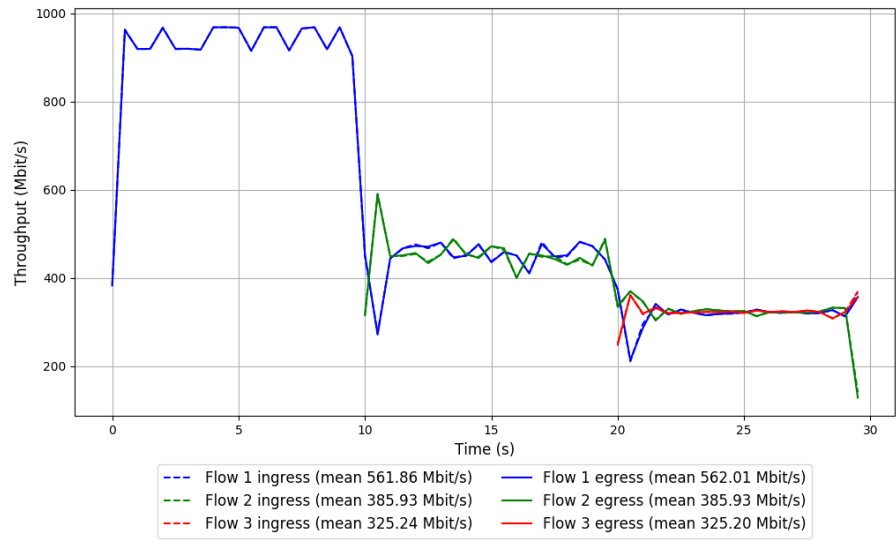


Run 10: Statistics of TCP BBR

Start at: 2017-10-12 06:55:55
End at: 2017-10-12 06:56:25
Local clock offset: 1.269 ms
Remote clock offset: -1.086 ms

Below is generated by plot.py at 2017-10-12 11:13:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 926.45 Mbit/s
95th percentile per-packet one-way delay: 5.552 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 562.01 Mbit/s
95th percentile per-packet one-way delay: 4.479 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 385.93 Mbit/s
95th percentile per-packet one-way delay: 8.085 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 325.20 Mbit/s
95th percentile per-packet one-way delay: 4.436 ms
Loss rate: 0.23%

Run 10: Report of TCP BBR — Data Link

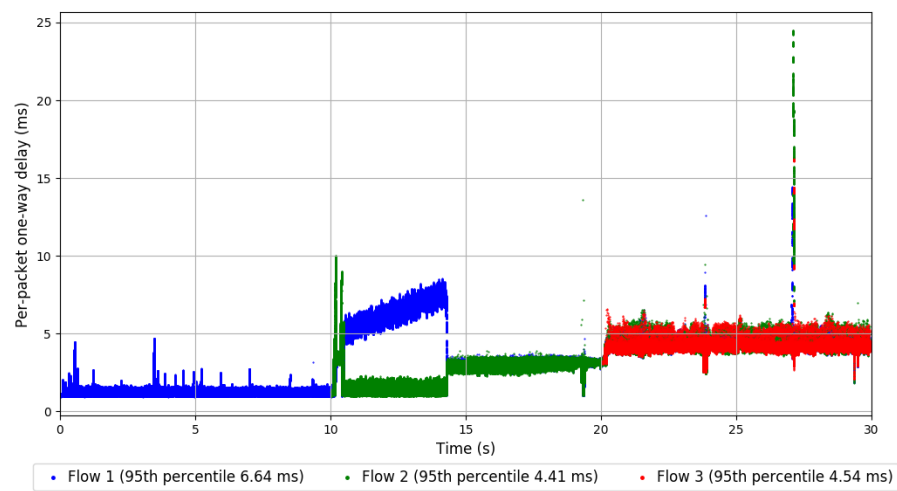
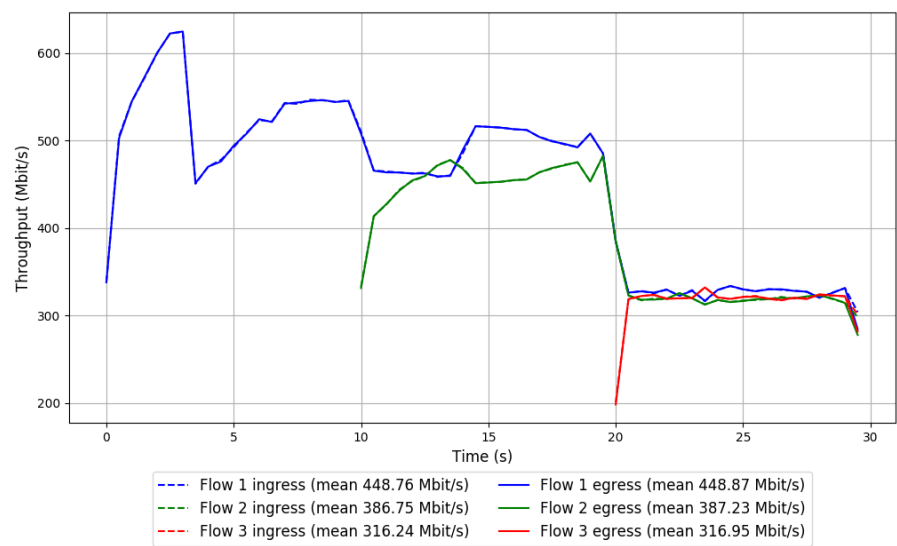


Run 1: Statistics of TCP Cubic

Start at: 2017-10-12 03:51:40
End at: 2017-10-12 03:52:10
Local clock offset: 1.09 ms
Remote clock offset: -2.995 ms

Below is generated by plot.py at 2017-10-12 11:13:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 811.26 Mbit/s
95th percentile per-packet one-way delay: 5.967 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 448.87 Mbit/s
95th percentile per-packet one-way delay: 6.641 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 387.23 Mbit/s
95th percentile per-packet one-way delay: 4.406 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 316.95 Mbit/s
95th percentile per-packet one-way delay: 4.535 ms
Loss rate: 0.34%

Run 1: Report of TCP Cubic — Data Link

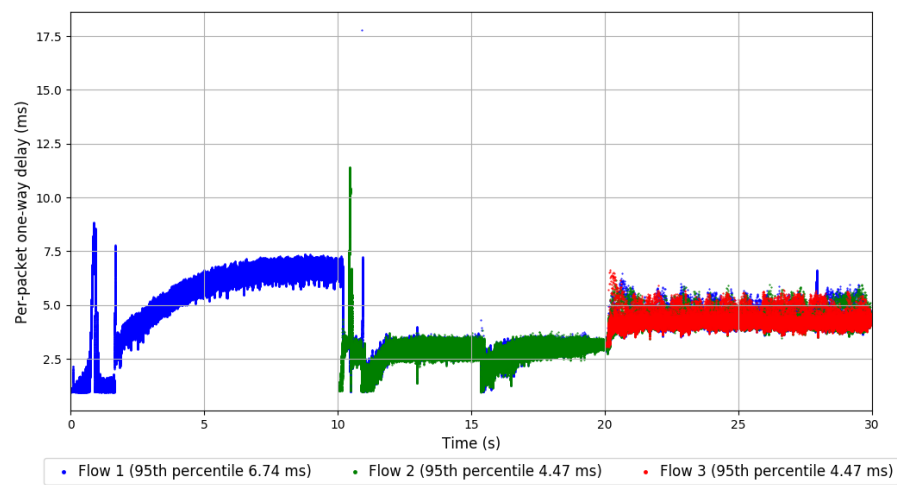
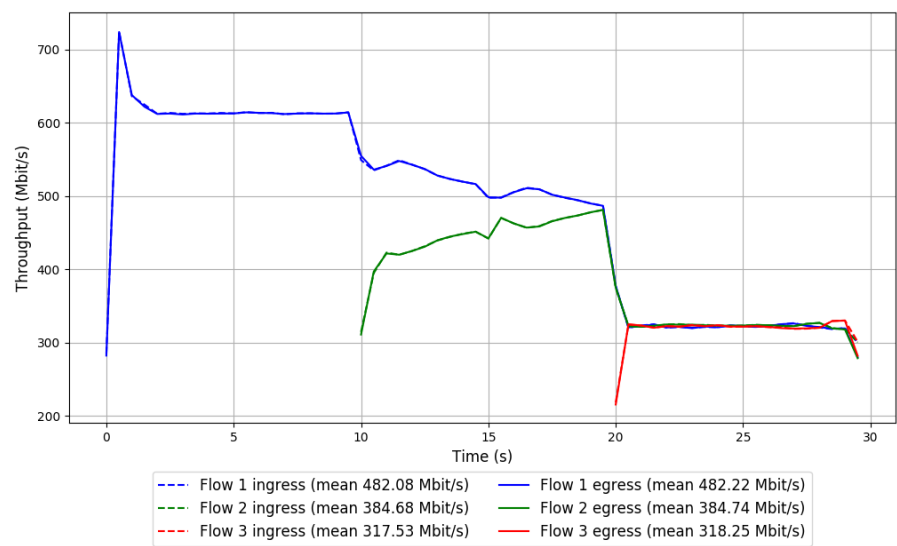


Run 2: Statistics of TCP Cubic

Start at: 2017-10-12 04:12:49
End at: 2017-10-12 04:13:19
Local clock offset: 1.245 ms
Remote clock offset: -2.325 ms

Below is generated by plot.py at 2017-10-12 11:13:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 843.48 Mbit/s
95th percentile per-packet one-way delay: 6.603 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 482.22 Mbit/s
95th percentile per-packet one-way delay: 6.744 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 384.74 Mbit/s
95th percentile per-packet one-way delay: 4.466 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 318.25 Mbit/s
95th percentile per-packet one-way delay: 4.466 ms
Loss rate: 0.35%

Run 2: Report of TCP Cubic — Data Link

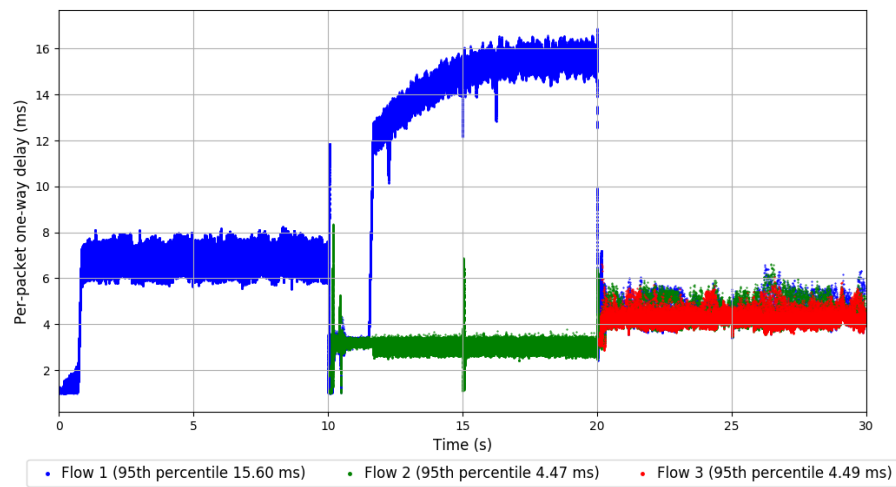
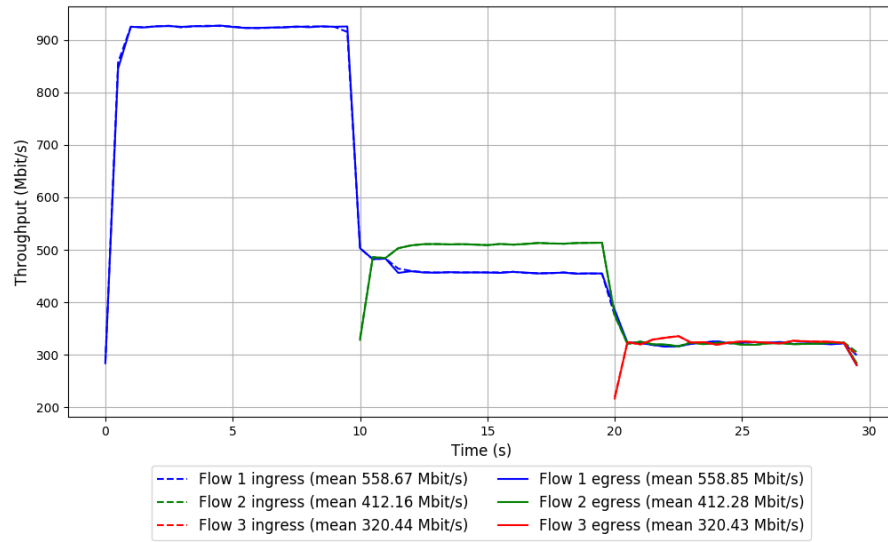


Run 3: Statistics of TCP Cubic

Start at: 2017-10-12 04:34:06
End at: 2017-10-12 04:34:37
Local clock offset: 1.307 ms
Remote clock offset: -1.835 ms

Below is generated by plot.py at 2017-10-12 11:14:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 939.22 Mbit/s
95th percentile per-packet one-way delay: 15.349 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 558.85 Mbit/s
95th percentile per-packet one-way delay: 15.601 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 412.28 Mbit/s
95th percentile per-packet one-way delay: 4.474 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 320.43 Mbit/s
95th percentile per-packet one-way delay: 4.492 ms
Loss rate: 0.35%

Run 3: Report of TCP Cubic — Data Link

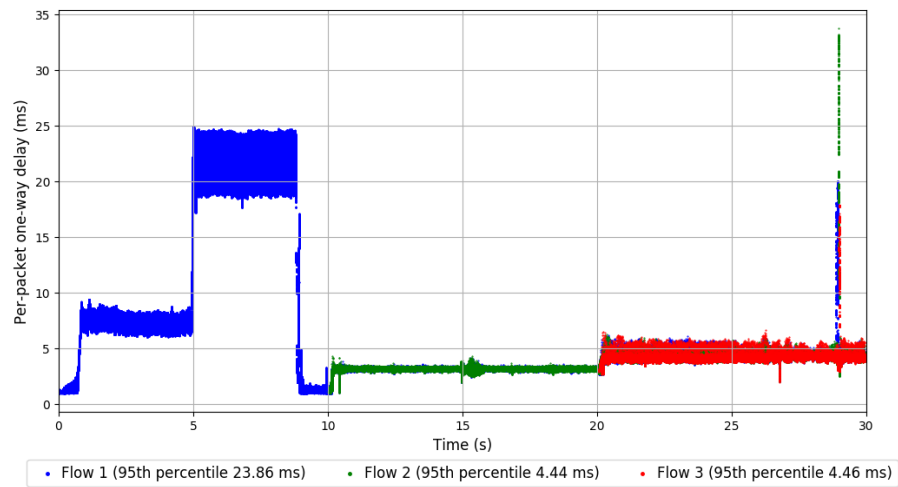
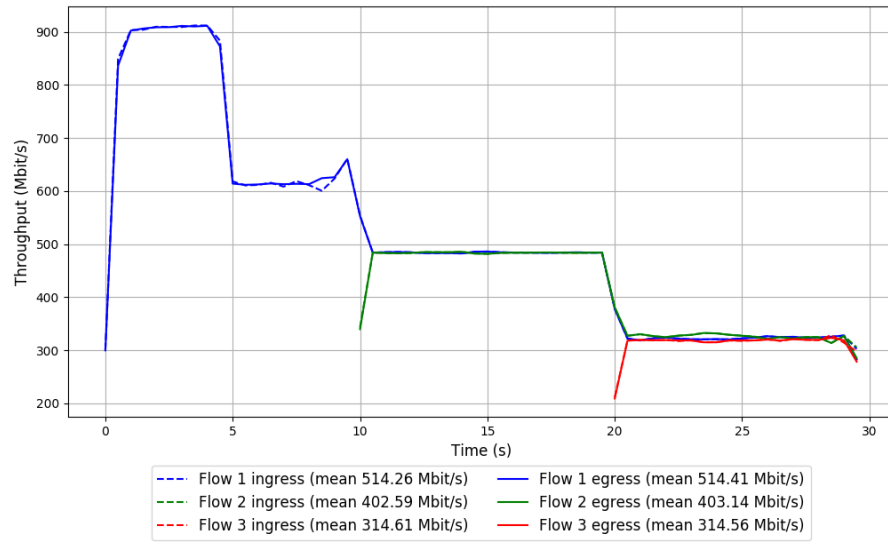


Run 4: Statistics of TCP Cubic

Start at: 2017-10-12 04:55:30
End at: 2017-10-12 04:56:00
Local clock offset: 1.437 ms
Remote clock offset: -1.469 ms

Below is generated by plot.py at 2017-10-12 11:14:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 886.77 Mbit/s
95th percentile per-packet one-way delay: 22.927 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 514.41 Mbit/s
95th percentile per-packet one-way delay: 23.858 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 403.14 Mbit/s
95th percentile per-packet one-way delay: 4.440 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 314.56 Mbit/s
95th percentile per-packet one-way delay: 4.463 ms
Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link

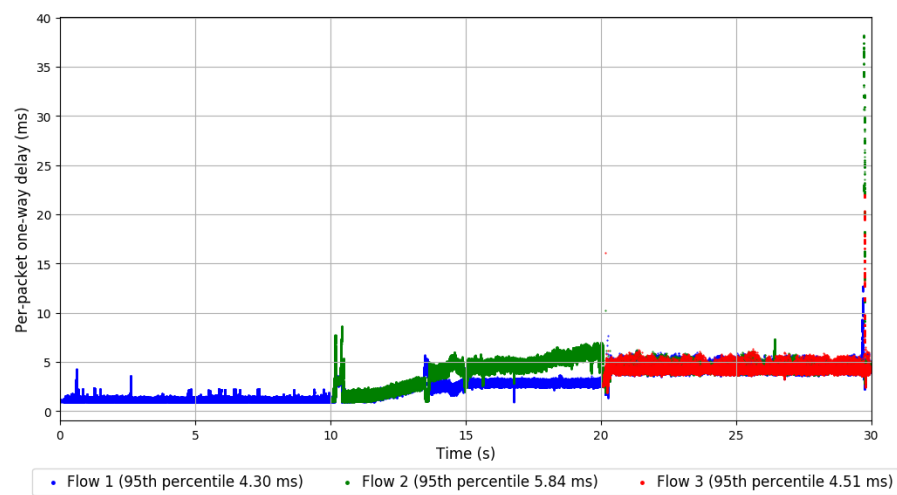
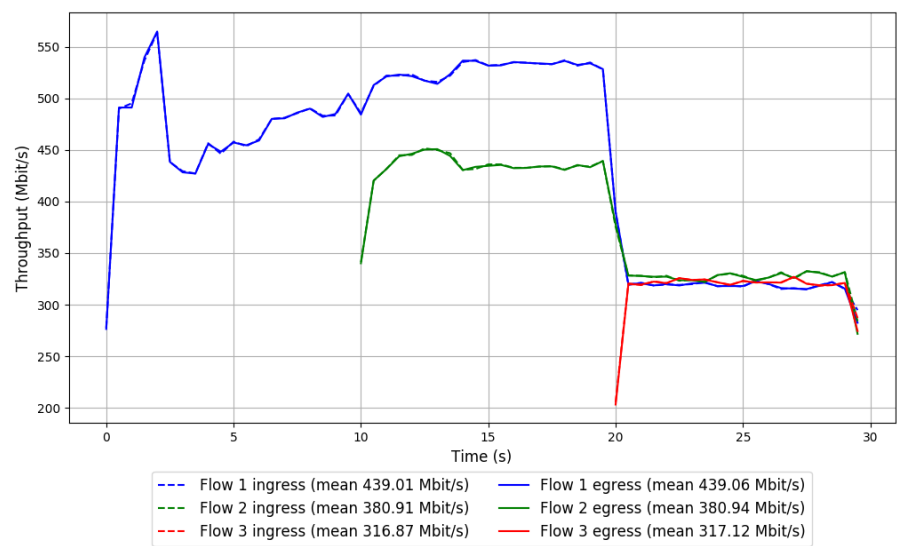


Run 5: Statistics of TCP Cubic

Start at: 2017-10-12 05:16:47
End at: 2017-10-12 05:17:17
Local clock offset: 1.435 ms
Remote clock offset: -1.253 ms

Below is generated by plot.py at 2017-10-12 11:14:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 797.37 Mbit/s
95th percentile per-packet one-way delay: 5.085 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 439.06 Mbit/s
95th percentile per-packet one-way delay: 4.299 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 380.94 Mbit/s
95th percentile per-packet one-way delay: 5.837 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 317.12 Mbit/s
95th percentile per-packet one-way delay: 4.509 ms
Loss rate: 0.24%

Run 5: Report of TCP Cubic — Data Link

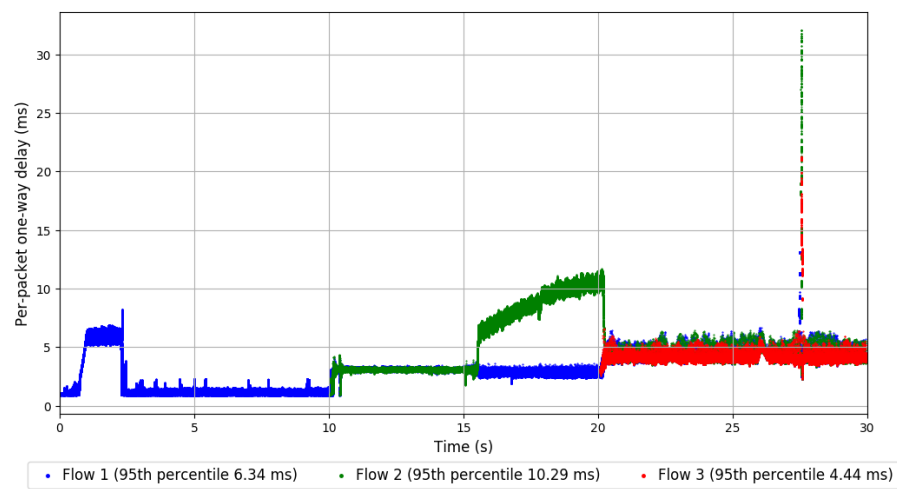
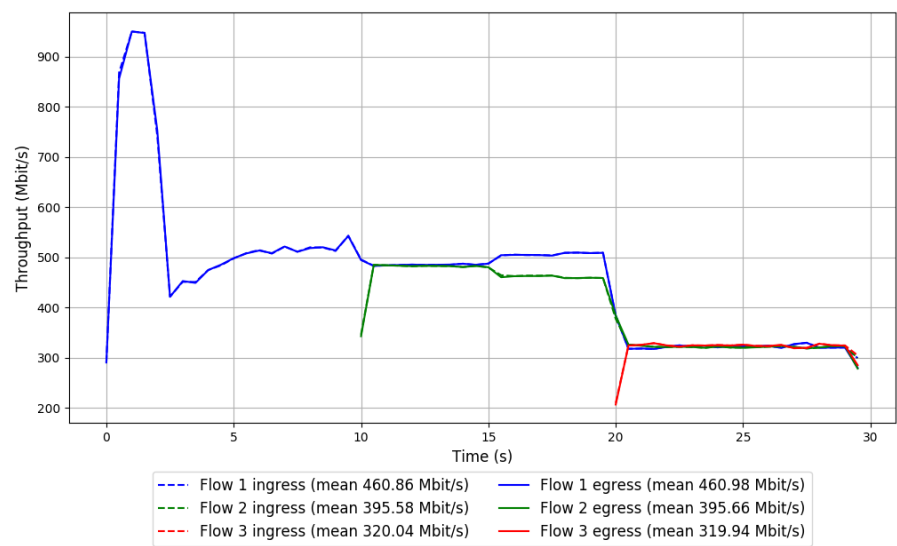


Run 6: Statistics of TCP Cubic

Start at: 2017-10-12 05:38:05
End at: 2017-10-12 05:38:35
Local clock offset: 1.535 ms
Remote clock offset: -1.081 ms

Below is generated by plot.py at 2017-10-12 11:14:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 830.12 Mbit/s
95th percentile per-packet one-way delay: 8.664 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 460.98 Mbit/s
95th percentile per-packet one-way delay: 6.341 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 395.66 Mbit/s
95th percentile per-packet one-way delay: 10.295 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 319.94 Mbit/s
95th percentile per-packet one-way delay: 4.438 ms
Loss rate: 0.35%

Run 6: Report of TCP Cubic — Data Link

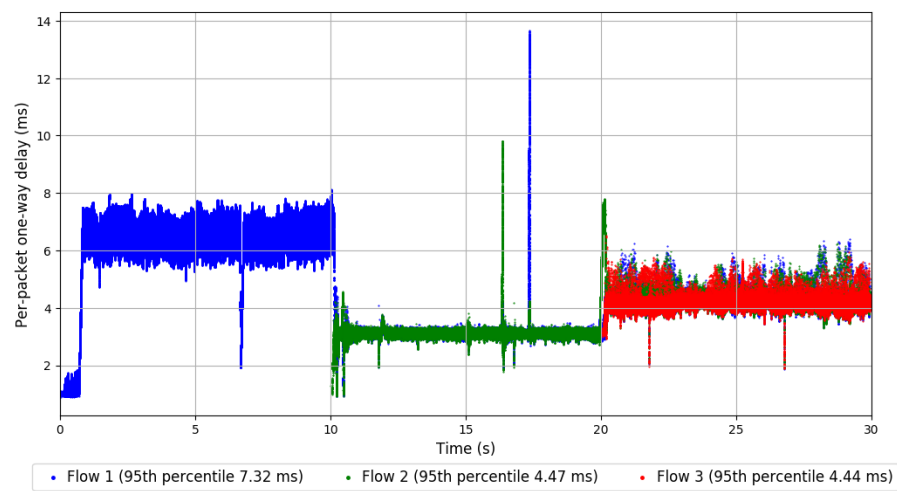
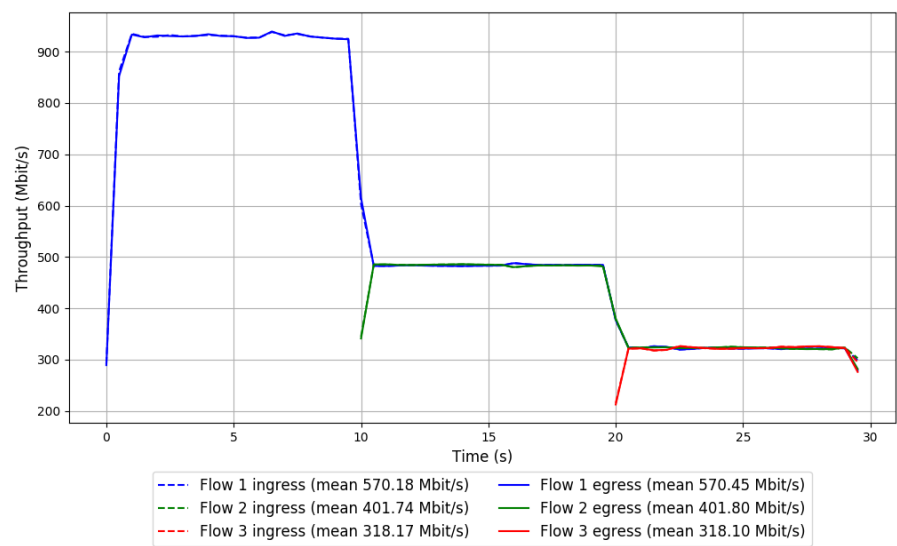


Run 7: Statistics of TCP Cubic

Start at: 2017-10-12 05:59:24
End at: 2017-10-12 05:59:54
Local clock offset: 1.393 ms
Remote clock offset: -1.138 ms

Below is generated by plot.py at 2017-10-12 11:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 943.14 Mbit/s
95th percentile per-packet one-way delay: 7.233 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 570.45 Mbit/s
95th percentile per-packet one-way delay: 7.320 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 401.80 Mbit/s
95th percentile per-packet one-way delay: 4.471 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 318.10 Mbit/s
95th percentile per-packet one-way delay: 4.437 ms
Loss rate: 0.35%

Run 7: Report of TCP Cubic — Data Link

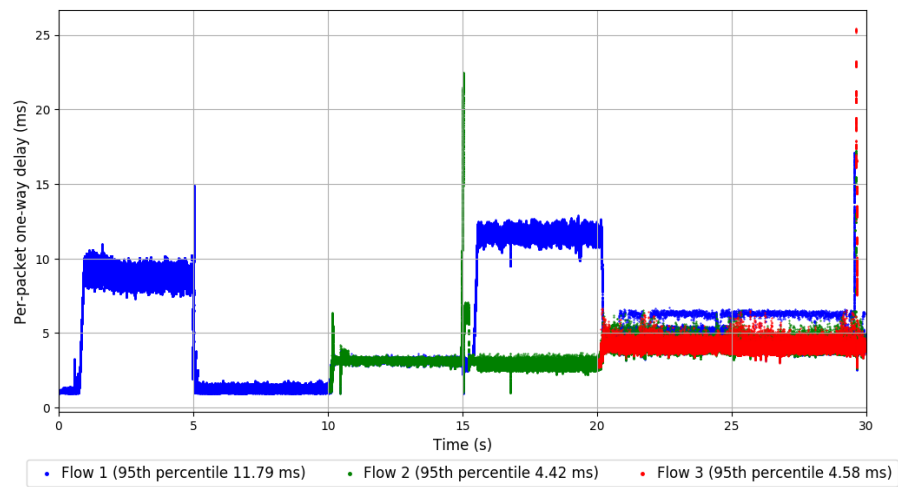
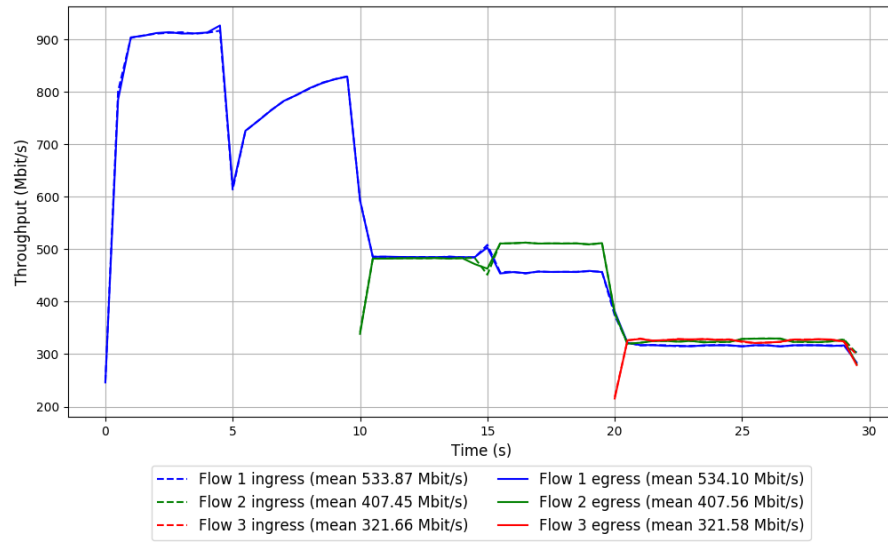


Run 8: Statistics of TCP Cubic

Start at: 2017-10-12 06:20:31
End at: 2017-10-12 06:21:01
Local clock offset: 1.323 ms
Remote clock offset: -1.548 ms

Below is generated by plot.py at 2017-10-12 11:24:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 911.80 Mbit/s
95th percentile per-packet one-way delay: 11.542 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 534.10 Mbit/s
95th percentile per-packet one-way delay: 11.788 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 407.56 Mbit/s
95th percentile per-packet one-way delay: 4.424 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 321.58 Mbit/s
95th percentile per-packet one-way delay: 4.576 ms
Loss rate: 0.35%

Run 8: Report of TCP Cubic — Data Link

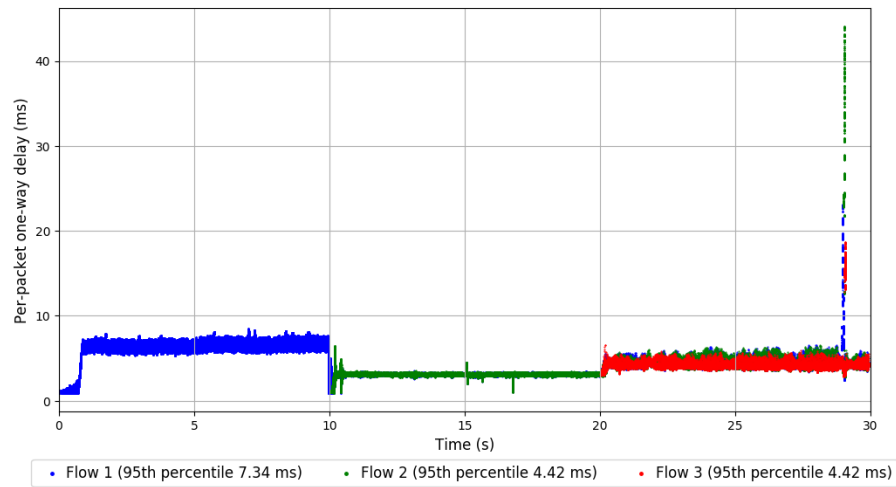
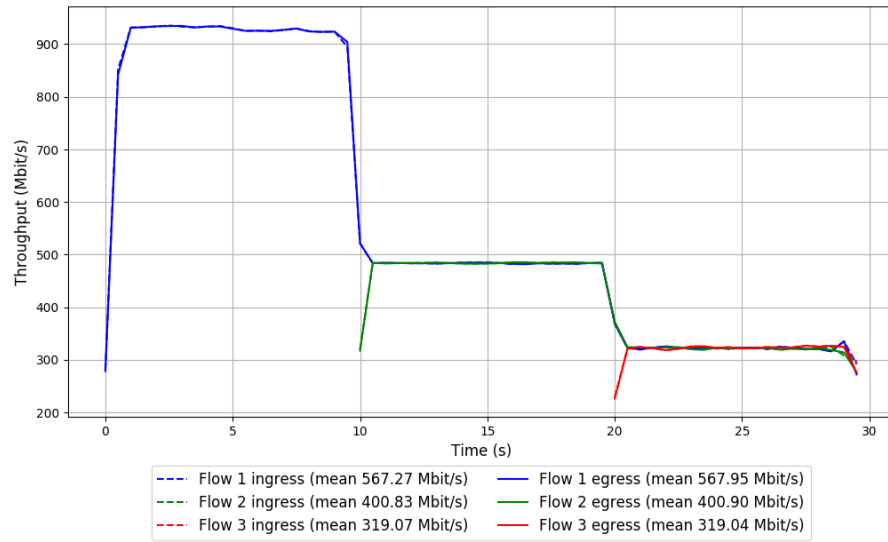


Run 9: Statistics of TCP Cubic

Start at: 2017-10-12 06:41:44
End at: 2017-10-12 06:42:14
Local clock offset: 1.172 ms
Remote clock offset: -1.293 ms

Below is generated by plot.py at 2017-10-12 11:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 940.17 Mbit/s
95th percentile per-packet one-way delay: 7.255 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 567.95 Mbit/s
95th percentile per-packet one-way delay: 7.345 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 400.90 Mbit/s
95th percentile per-packet one-way delay: 4.421 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 319.04 Mbit/s
95th percentile per-packet one-way delay: 4.419 ms
Loss rate: 0.35%

Run 9: Report of TCP Cubic — Data Link

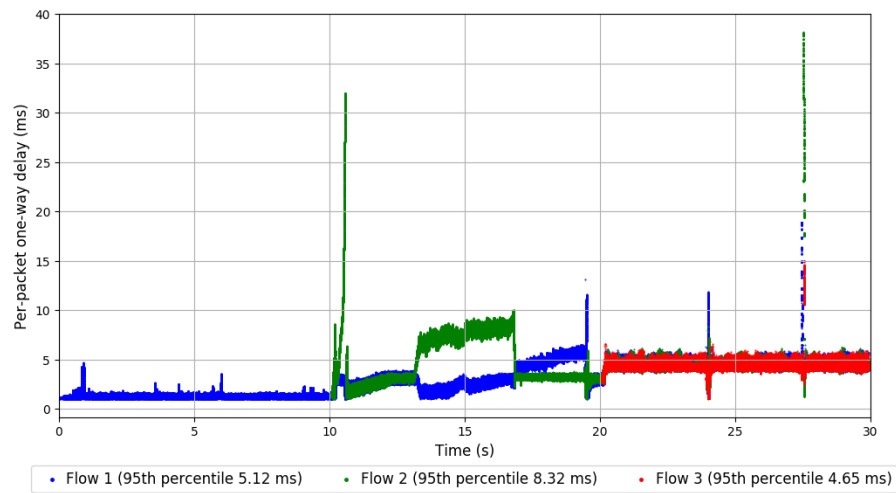
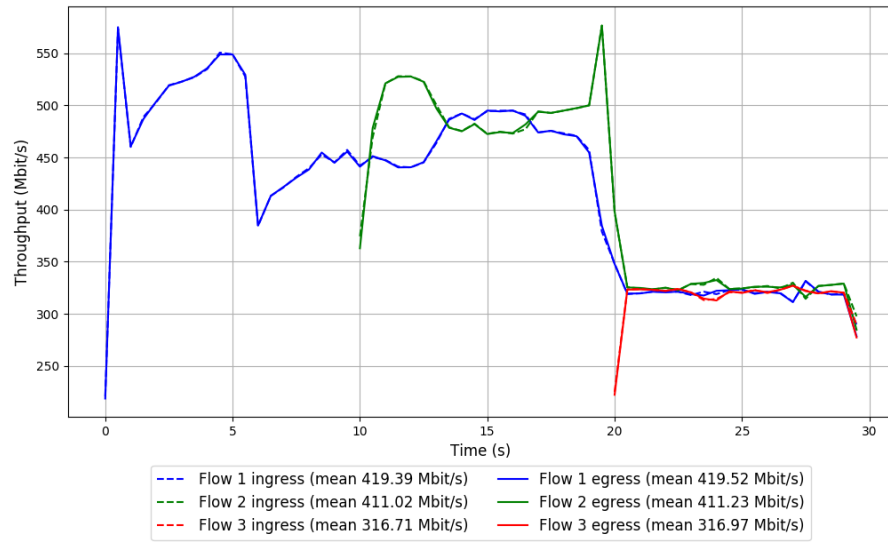


Run 10: Statistics of TCP Cubic

Start at: 2017-10-12 07:02:57
End at: 2017-10-12 07:03:27
Local clock offset: 1.443 ms
Remote clock offset: -1.132 ms

Below is generated by plot.py at 2017-10-12 11:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 798.02 Mbit/s
95th percentile per-packet one-way delay: 7.483 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 419.52 Mbit/s
95th percentile per-packet one-way delay: 5.123 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 411.23 Mbit/s
95th percentile per-packet one-way delay: 8.318 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.97 Mbit/s
95th percentile per-packet one-way delay: 4.646 ms
Loss rate: 0.23%

Run 10: Report of TCP Cubic — Data Link

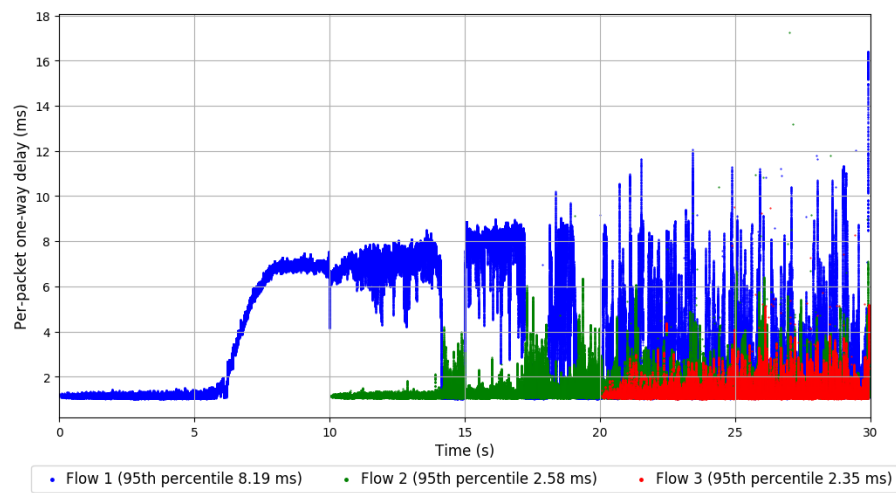
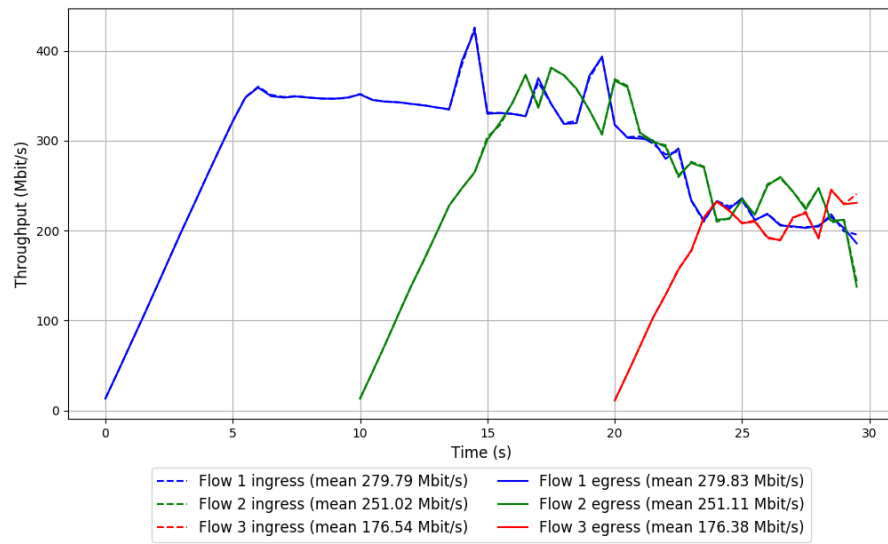


Run 1: Statistics of LEDBAT

Start at: 2017-10-12 03:43:04
End at: 2017-10-12 03:43:34
Local clock offset: 0.98 ms
Remote clock offset: -3.412 ms

Below is generated by plot.py at 2017-10-12 11:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 505.15 Mbit/s
95th percentile per-packet one-way delay: 7.840 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 279.83 Mbit/s
95th percentile per-packet one-way delay: 8.186 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 251.11 Mbit/s
95th percentile per-packet one-way delay: 2.584 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 176.38 Mbit/s
95th percentile per-packet one-way delay: 2.350 ms
Loss rate: 0.32%

Run 1: Report of LEDBAT — Data Link

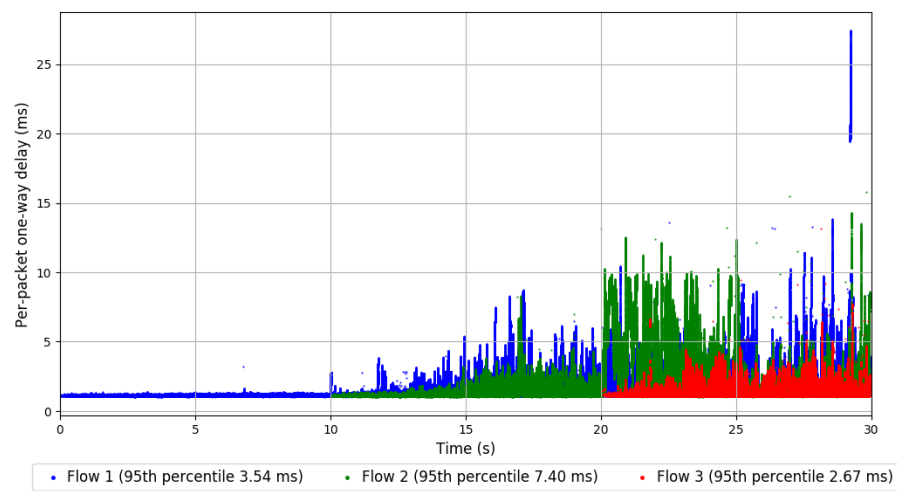
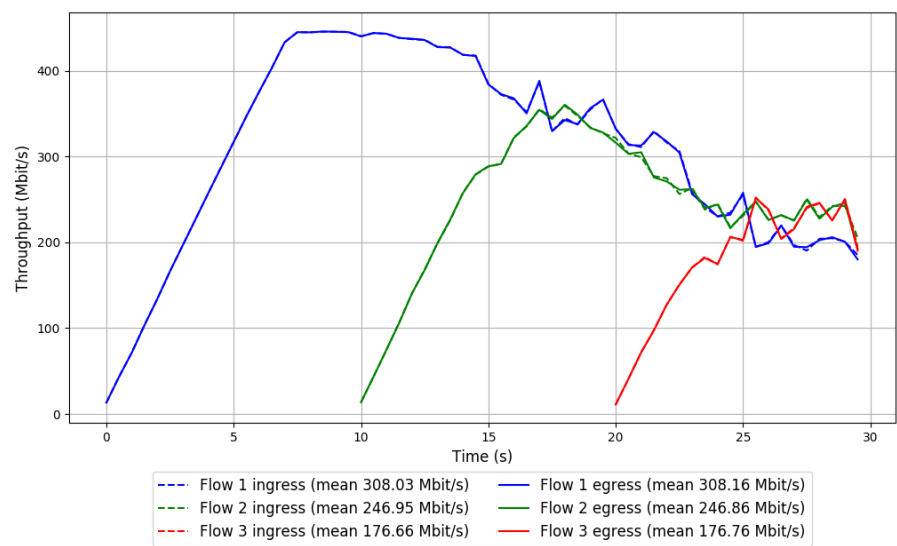


Run 2: Statistics of LEDBAT

Start at: 2017-10-12 04:04:06
End at: 2017-10-12 04:04:36
Local clock offset: 1.201 ms
Remote clock offset: -2.675 ms

Below is generated by plot.py at 2017-10-12 11:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 530.76 Mbit/s
95th percentile per-packet one-way delay: 4.628 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 308.16 Mbit/s
95th percentile per-packet one-way delay: 3.541 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 246.86 Mbit/s
95th percentile per-packet one-way delay: 7.404 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 176.76 Mbit/s
95th percentile per-packet one-way delay: 2.665 ms
Loss rate: 0.15%

Run 2: Report of LEDBAT — Data Link

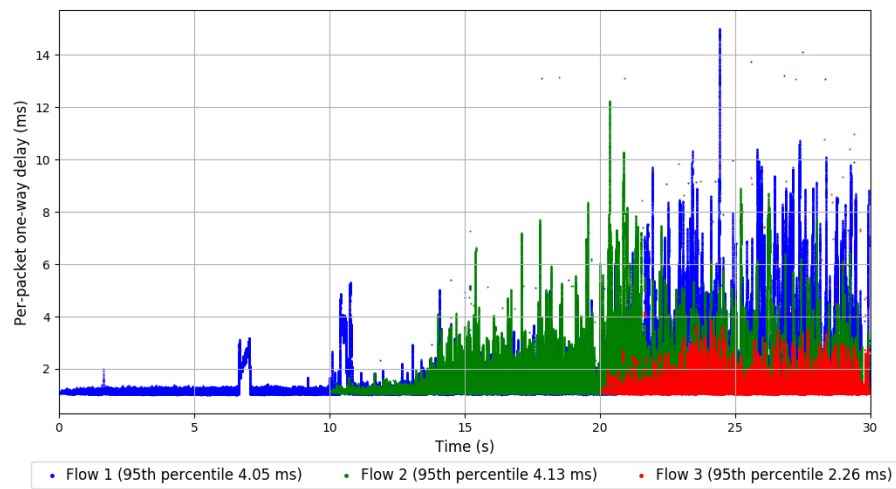
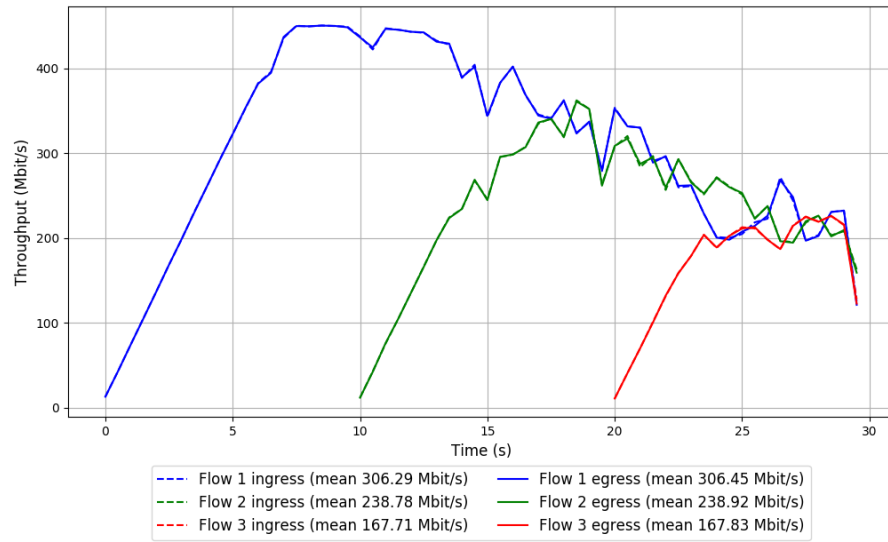


Run 3: Statistics of LEDBAT

Start at: 2017-10-12 04:25:25
End at: 2017-10-12 04:25:55
Local clock offset: 1.274 ms
Remote clock offset: -2.006 ms

Below is generated by plot.py at 2017-10-12 11:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.75 Mbit/s
95th percentile per-packet one-way delay: 3.925 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 306.45 Mbit/s
95th percentile per-packet one-way delay: 4.052 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 238.92 Mbit/s
95th percentile per-packet one-way delay: 4.127 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 167.83 Mbit/s
95th percentile per-packet one-way delay: 2.260 ms
Loss rate: 0.16%

Run 3: Report of LEDBAT — Data Link

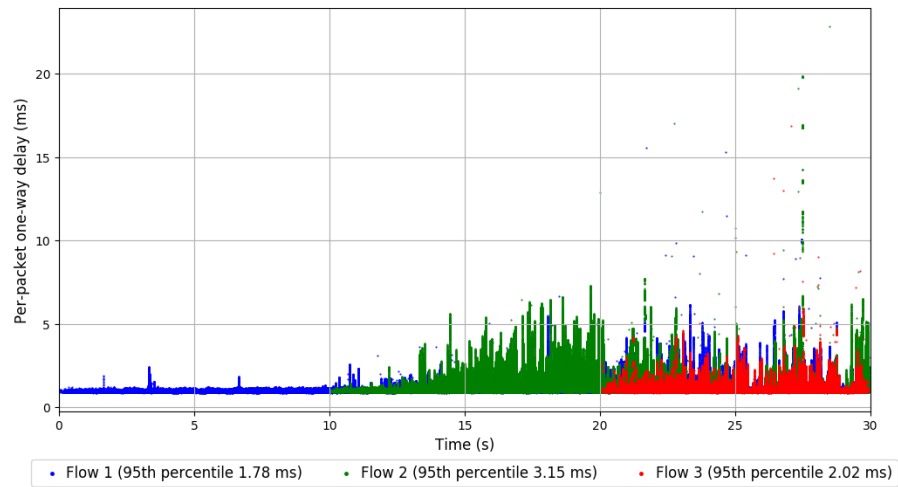
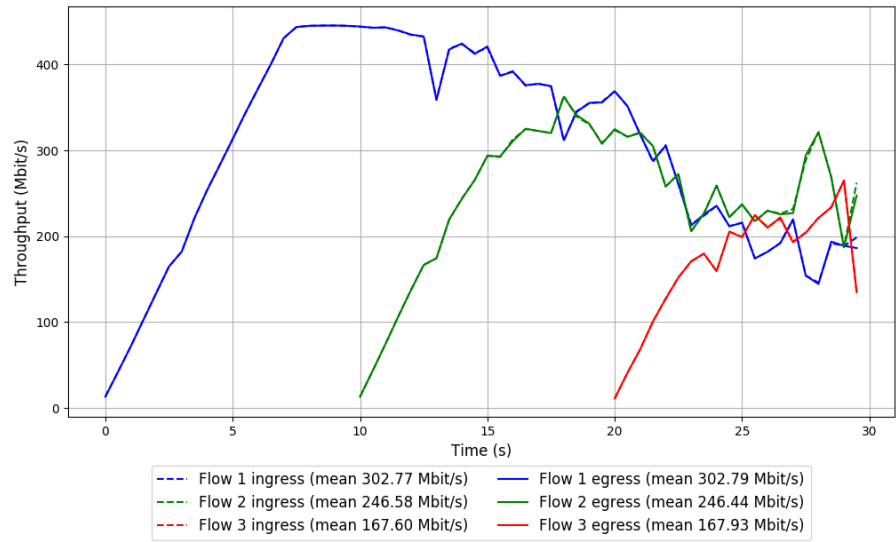


Run 4: Statistics of LEDBAT

Start at: 2017-10-12 04:46:41
End at: 2017-10-12 04:47:11
Local clock offset: 1.278 ms
Remote clock offset: -1.642 ms

Below is generated by plot.py at 2017-10-12 11:25:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.15 Mbit/s
95th percentile per-packet one-way delay: 2.330 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 302.79 Mbit/s
95th percentile per-packet one-way delay: 1.779 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 246.44 Mbit/s
95th percentile per-packet one-way delay: 3.154 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 167.93 Mbit/s
95th percentile per-packet one-way delay: 2.023 ms
Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link

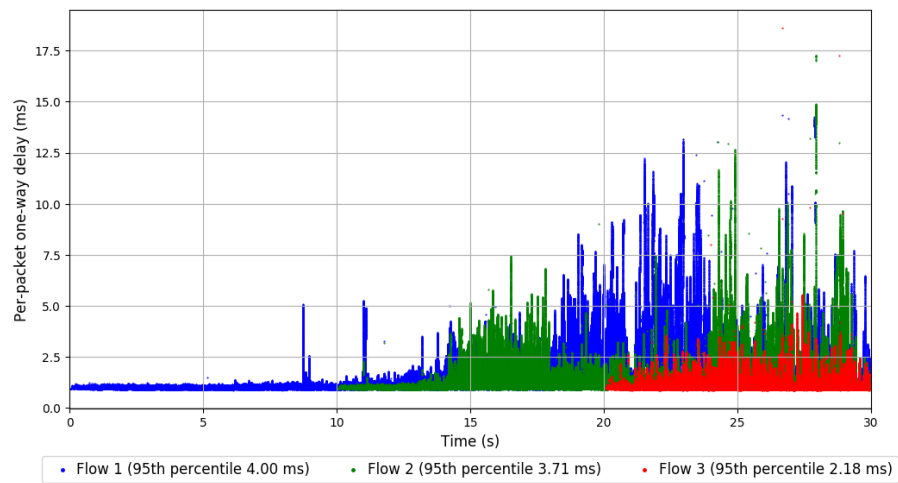
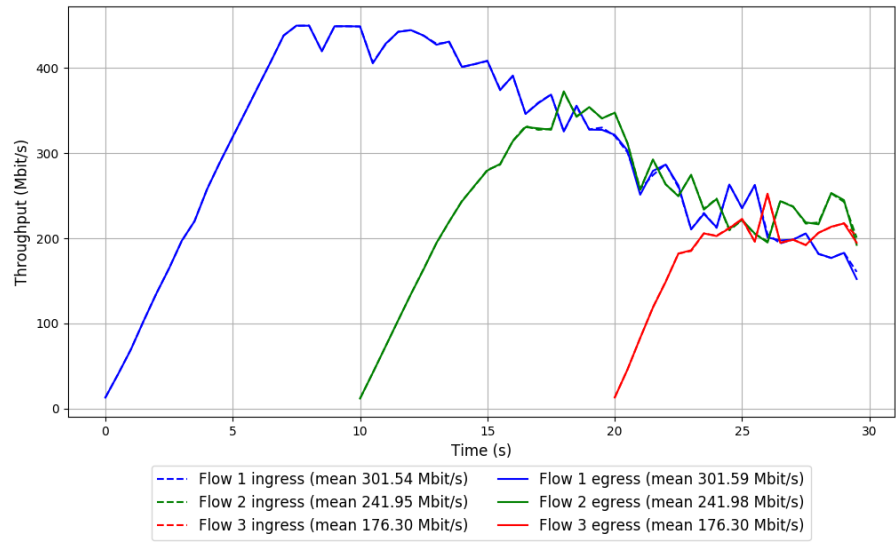


Run 5: Statistics of LEDBAT

Start at: 2017-10-12 05:08:04
End at: 2017-10-12 05:08:34
Local clock offset: 1.39 ms
Remote clock offset: -1.215 ms

Below is generated by plot.py at 2017-10-12 11:27:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.77 Mbit/s
95th percentile per-packet one-way delay: 3.691 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 301.59 Mbit/s
95th percentile per-packet one-way delay: 4.005 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 241.98 Mbit/s
95th percentile per-packet one-way delay: 3.715 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 176.30 Mbit/s
95th percentile per-packet one-way delay: 2.181 ms
Loss rate: 0.23%

Run 5: Report of LEDBAT — Data Link

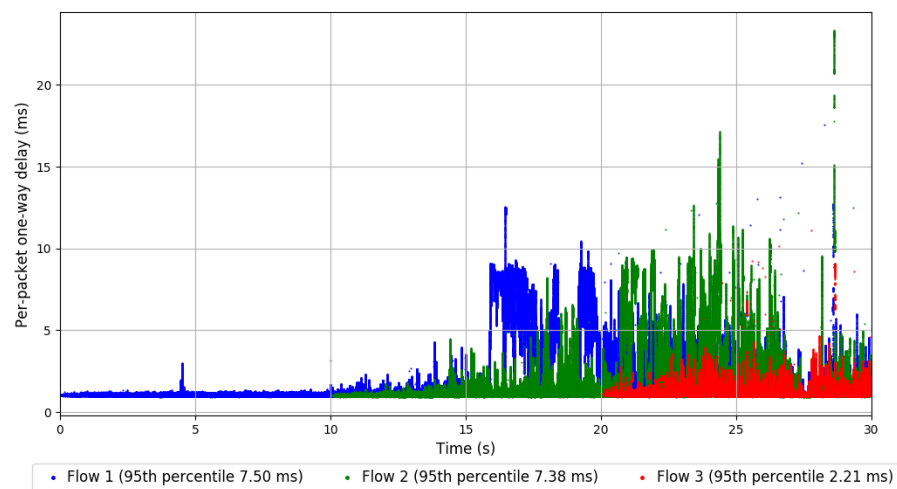
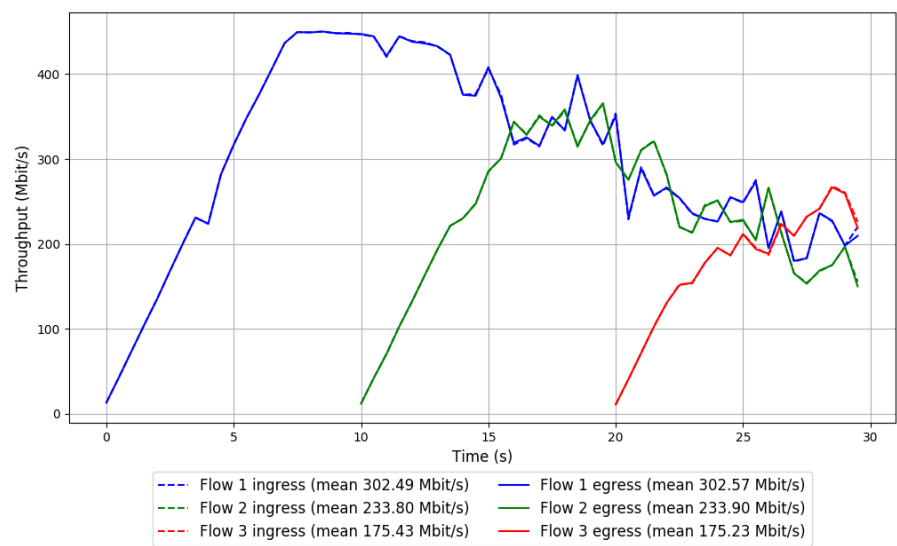


Run 6: Statistics of LEDBAT

Start at: 2017-10-12 05:29:20
End at: 2017-10-12 05:29:50
Local clock offset: 1.585 ms
Remote clock offset: -1.114 ms

Below is generated by plot.py at 2017-10-12 11:28:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 515.89 Mbit/s
95th percentile per-packet one-way delay: 7.024 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 302.57 Mbit/s
95th percentile per-packet one-way delay: 7.504 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 233.90 Mbit/s
95th percentile per-packet one-way delay: 7.375 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 175.23 Mbit/s
95th percentile per-packet one-way delay: 2.213 ms
Loss rate: 0.29%

Run 6: Report of LEDBAT — Data Link

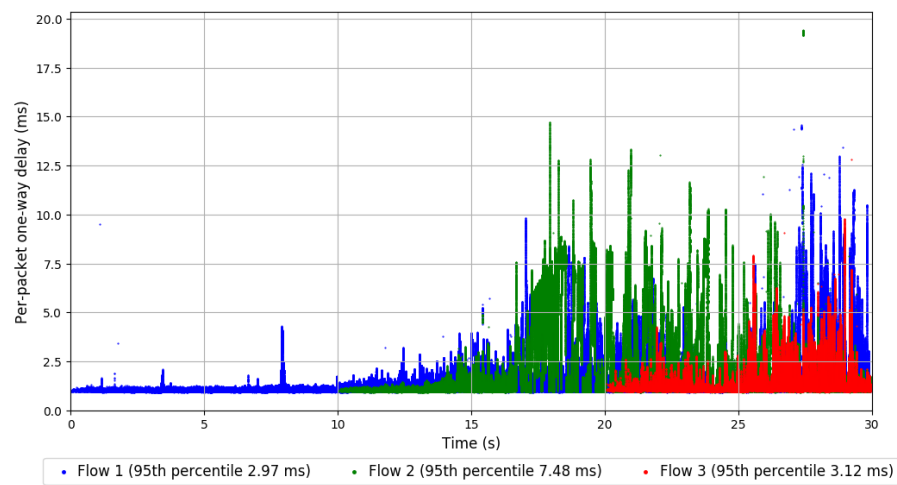
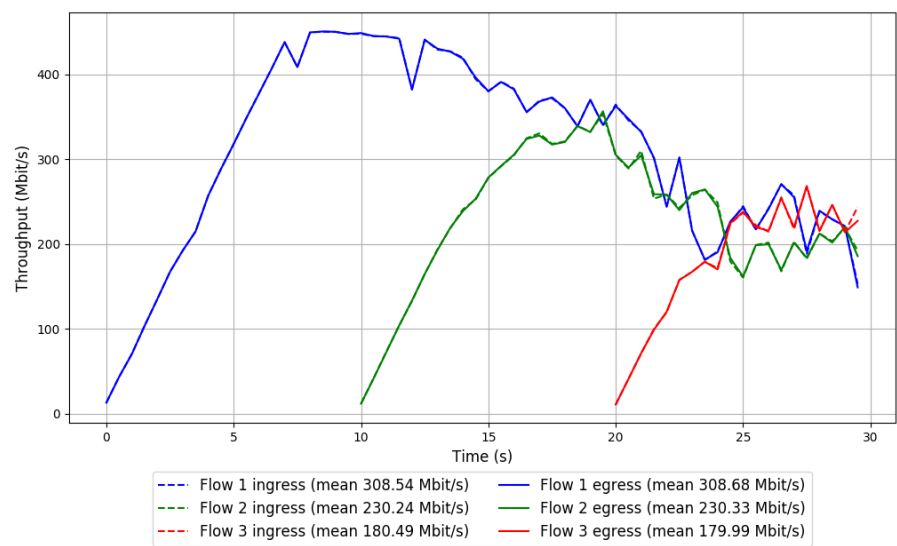


Run 7: Statistics of LEDBAT

Start at: 2017-10-12 05:50:43
End at: 2017-10-12 05:51:13
Local clock offset: 1.55 ms
Remote clock offset: -1.176 ms

Below is generated by plot.py at 2017-10-12 11:28:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 521.35 Mbit/s
95th percentile per-packet one-way delay: 5.100 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 308.68 Mbit/s
95th percentile per-packet one-way delay: 2.971 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 230.33 Mbit/s
95th percentile per-packet one-way delay: 7.476 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 179.99 Mbit/s
95th percentile per-packet one-way delay: 3.121 ms
Loss rate: 0.48%

Run 7: Report of LEDBAT — Data Link

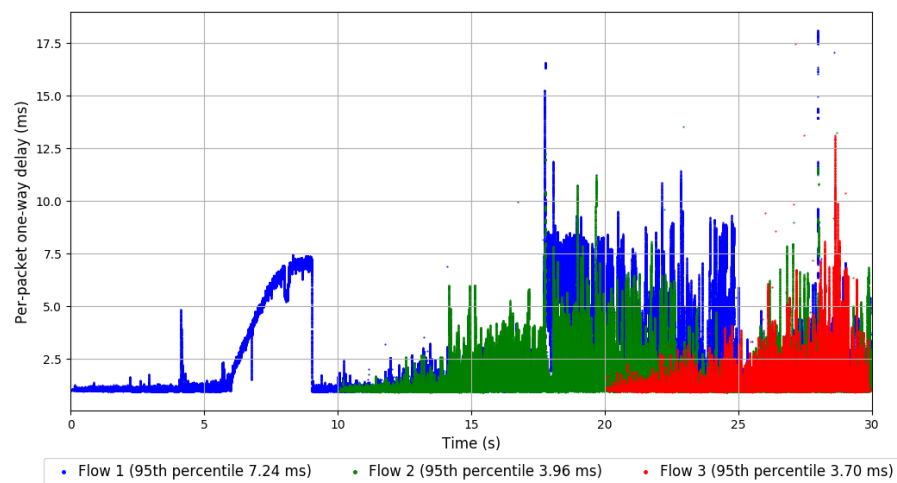
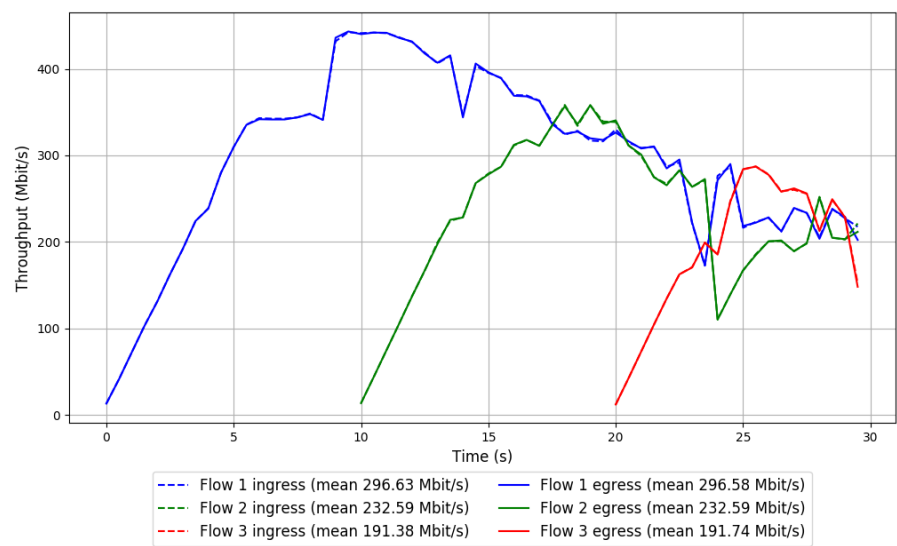


Run 8: Statistics of LEDBAT

Start at: 2017-10-12 06:11:54
End at: 2017-10-12 06:12:24
Local clock offset: 1.453 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2017-10-12 11:28:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 514.66 Mbit/s
95th percentile per-packet one-way delay: 6.919 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 296.58 Mbit/s
95th percentile per-packet one-way delay: 7.239 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 232.59 Mbit/s
95th percentile per-packet one-way delay: 3.959 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 191.74 Mbit/s
95th percentile per-packet one-way delay: 3.696 ms
Loss rate: 0.12%

Run 8: Report of LEDBAT — Data Link

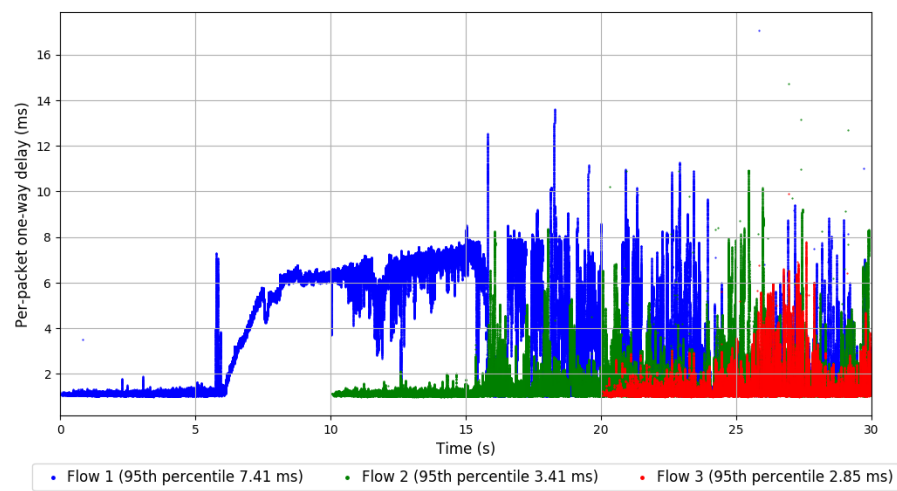
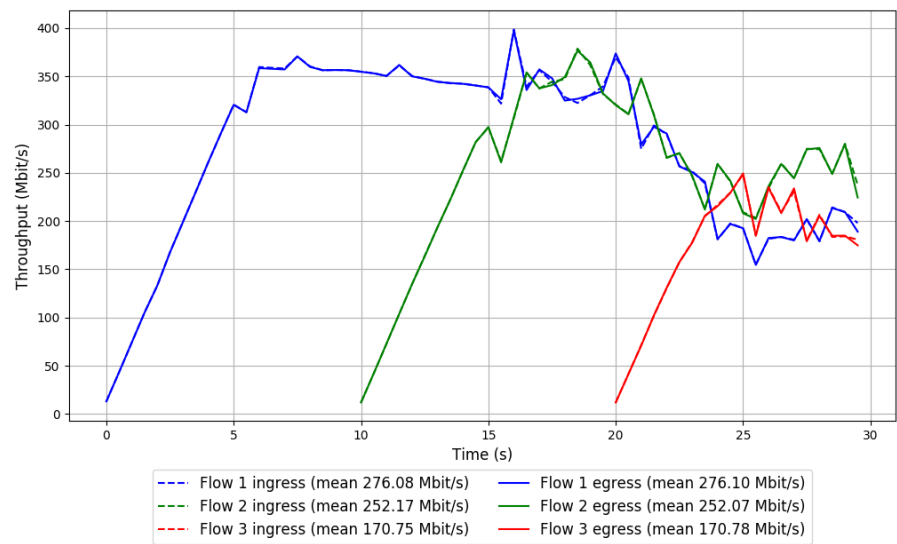


Run 9: Statistics of LEDBAT

Start at: 2017-10-12 06:33:02
End at: 2017-10-12 06:33:32
Local clock offset: 1.283 ms
Remote clock offset: -1.484 ms

Below is generated by plot.py at 2017-10-12 11:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 500.23 Mbit/s
95th percentile per-packet one-way delay: 7.181 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 276.10 Mbit/s
95th percentile per-packet one-way delay: 7.410 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 252.07 Mbit/s
95th percentile per-packet one-way delay: 3.411 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 170.78 Mbit/s
95th percentile per-packet one-way delay: 2.847 ms
Loss rate: 0.18%

Run 9: Report of LEDBAT — Data Link

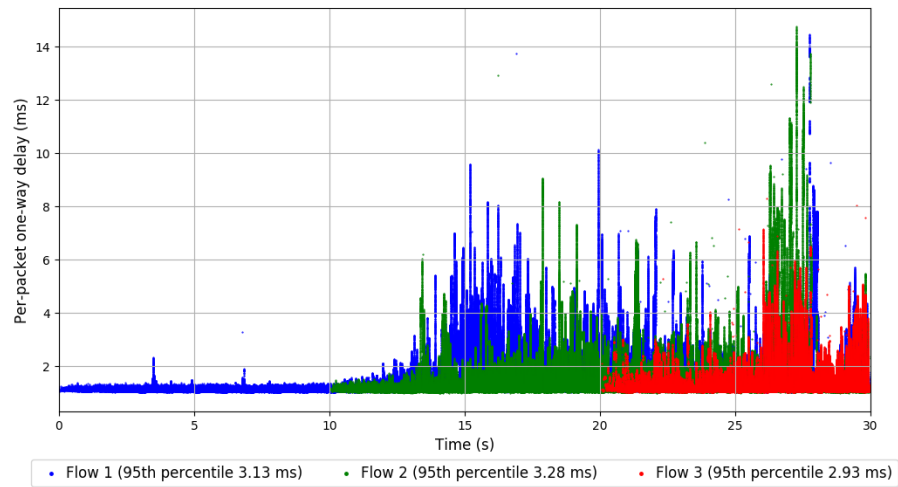
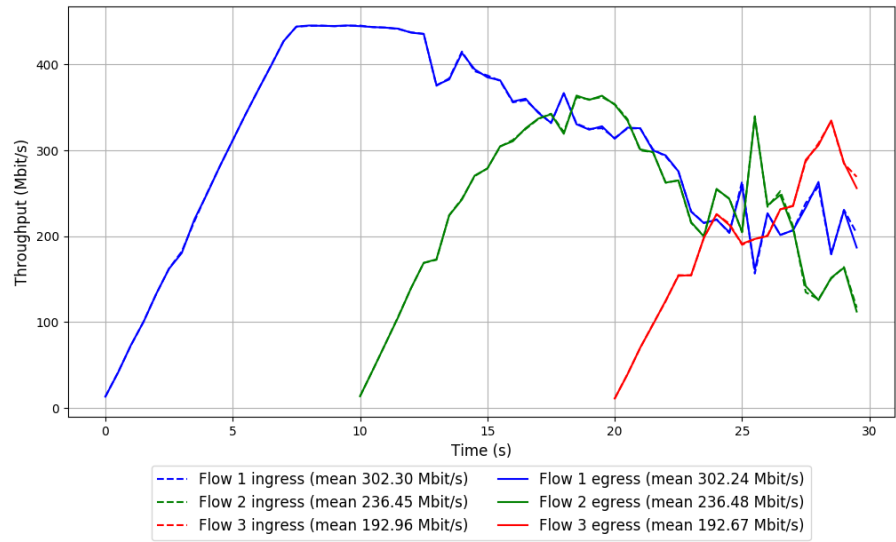


Run 10: Statistics of LEDBAT

Start at: 2017-10-12 06:54:17
End at: 2017-10-12 06:54:47
Local clock offset: 1.346 ms
Remote clock offset: -1.195 ms

Below is generated by plot.py at 2017-10-12 11:31:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 523.21 Mbit/s
95th percentile per-packet one-way delay: 3.146 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 302.24 Mbit/s
95th percentile per-packet one-way delay: 3.129 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 236.48 Mbit/s
95th percentile per-packet one-way delay: 3.276 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 192.67 Mbit/s
95th percentile per-packet one-way delay: 2.933 ms
Loss rate: 0.36%

Run 10: Report of LEDBAT — Data Link

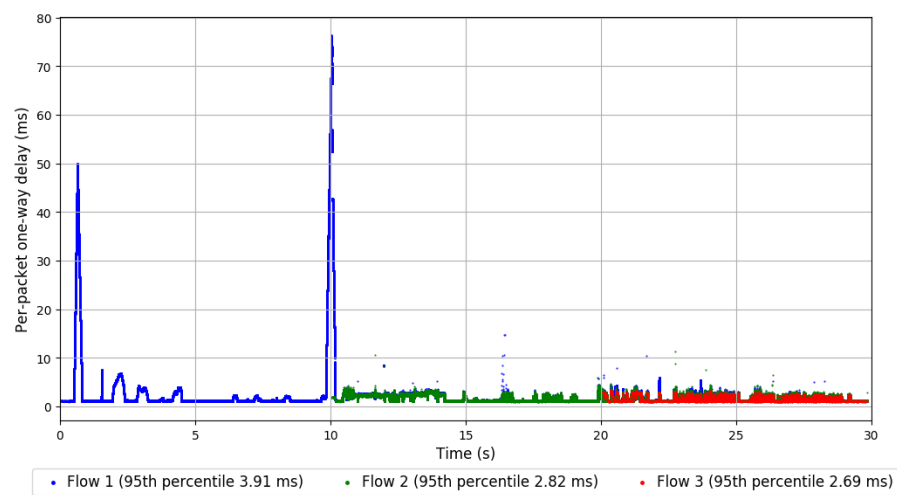
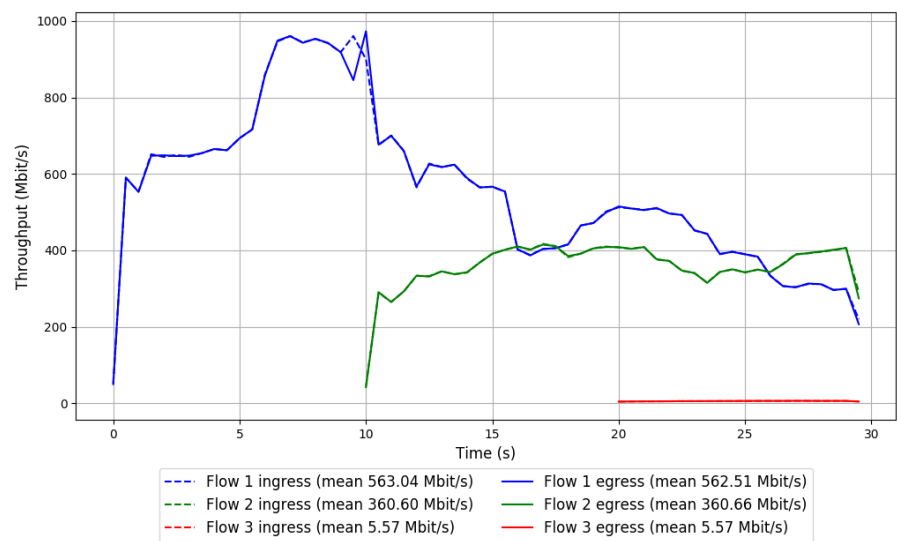


Run 1: Statistics of PCC

Start at: 2017-10-12 03:38:13
End at: 2017-10-12 03:38:43
Local clock offset: 0.895 ms
Remote clock offset: -3.489 ms

Below is generated by plot.py at 2017-10-12 11:35:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 803.84 Mbit/s
95th percentile per-packet one-way delay: 3.218 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 562.51 Mbit/s
95th percentile per-packet one-way delay: 3.906 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 360.66 Mbit/s
95th percentile per-packet one-way delay: 2.818 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 2.692 ms
Loss rate: 0.22%

Run 1: Report of PCC — Data Link

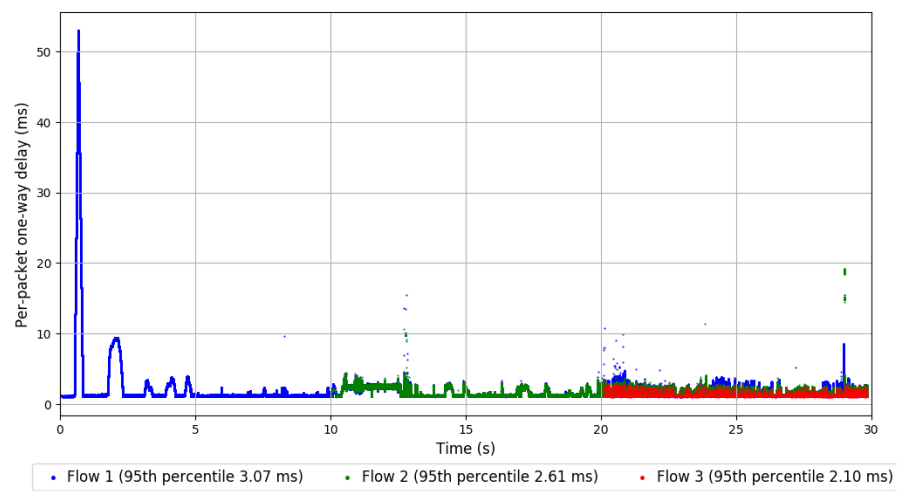
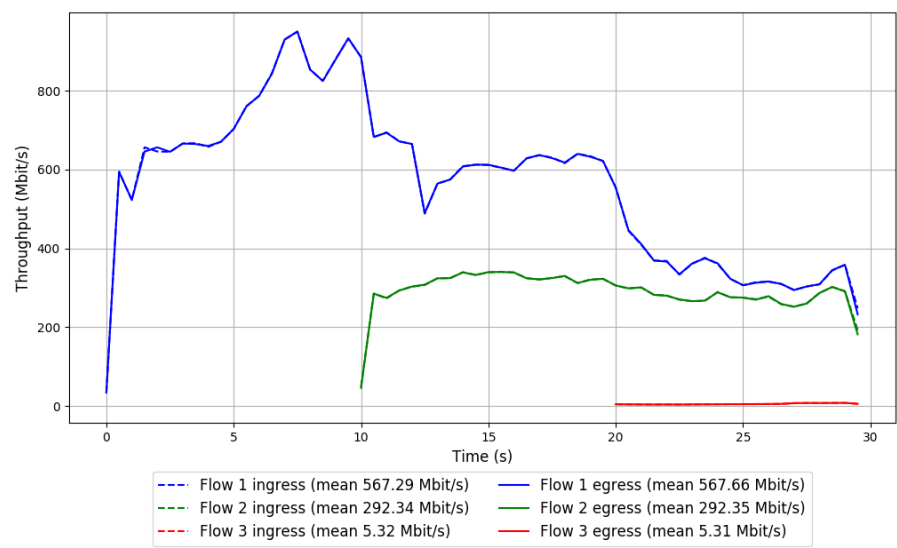


Run 2: Statistics of PCC

Start at: 2017-10-12 03:59:17
End at: 2017-10-12 03:59:47
Local clock offset: 1.166 ms
Remote clock offset: -2.841 ms

Below is generated by plot.py at 2017-10-12 11:35:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 763.66 Mbit/s
95th percentile per-packet one-way delay: 2.838 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 567.66 Mbit/s
95th percentile per-packet one-way delay: 3.071 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 292.35 Mbit/s
95th percentile per-packet one-way delay: 2.607 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 2.103 ms
Loss rate: 0.29%

Run 2: Report of PCC — Data Link

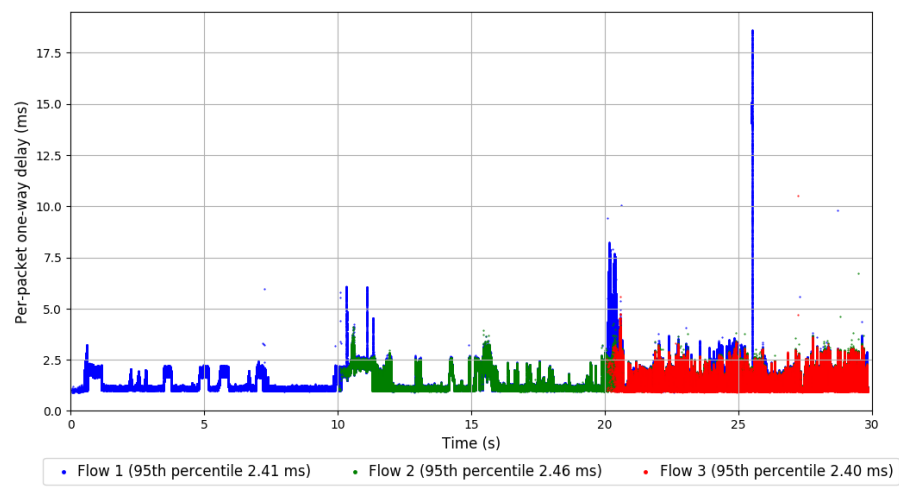
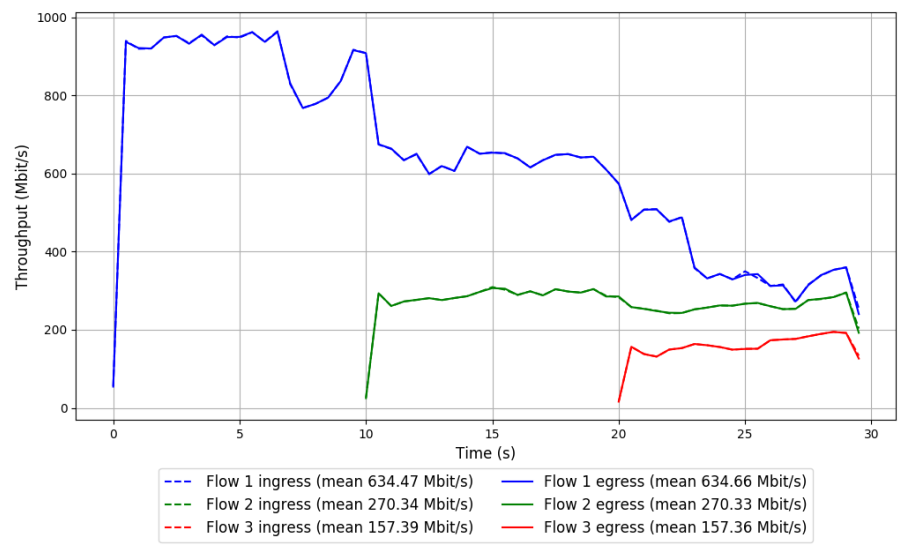


Run 3: Statistics of PCC

Start at: 2017-10-12 04:20:32
End at: 2017-10-12 04:21:02
Local clock offset: 1.194 ms
Remote clock offset: -2.155 ms

Below is generated by plot.py at 2017-10-12 11:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 865.86 Mbit/s
95th percentile per-packet one-way delay: 2.425 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 634.66 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 270.33 Mbit/s
95th percentile per-packet one-way delay: 2.459 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 157.36 Mbit/s
95th percentile per-packet one-way delay: 2.405 ms
Loss rate: 0.25%

Run 3: Report of PCC — Data Link

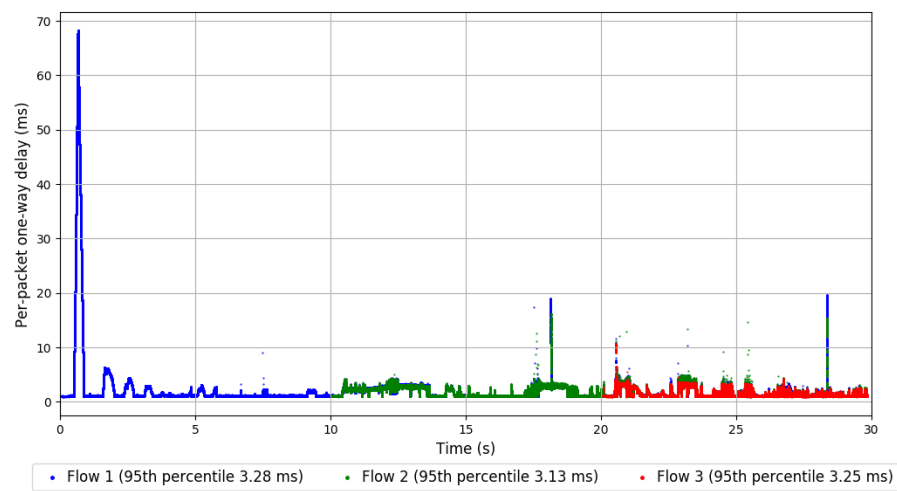
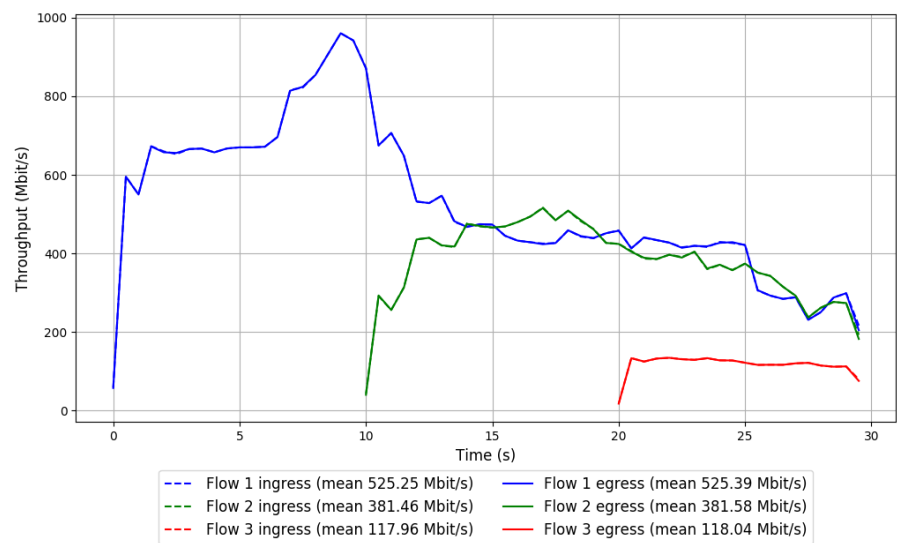


Run 4: Statistics of PCC

Start at: 2017-10-12 04:41:52
End at: 2017-10-12 04:42:22
Local clock offset: 1.355 ms
Remote clock offset: -1.666 ms

Below is generated by plot.py at 2017-10-12 11:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 817.84 Mbit/s
95th percentile per-packet one-way delay: 3.216 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 525.39 Mbit/s
95th percentile per-packet one-way delay: 3.283 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 381.58 Mbit/s
95th percentile per-packet one-way delay: 3.132 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 118.04 Mbit/s
95th percentile per-packet one-way delay: 3.251 ms
Loss rate: 0.18%

Run 4: Report of PCC — Data Link

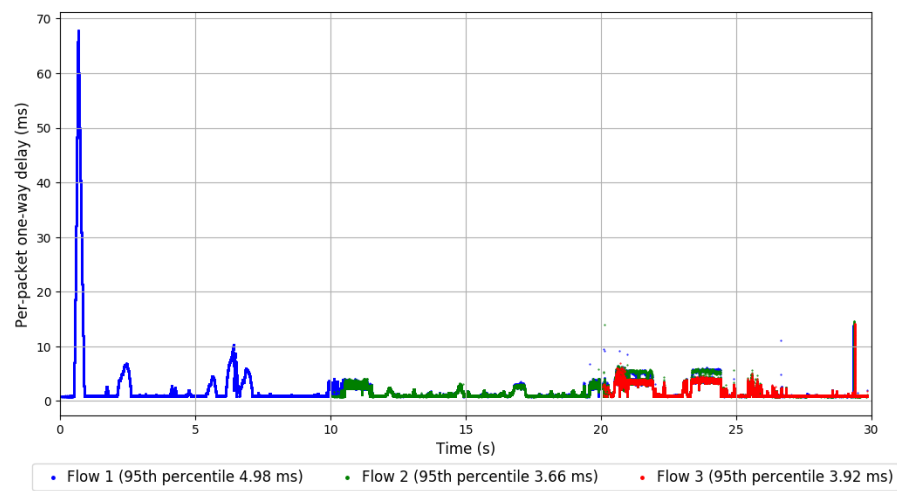
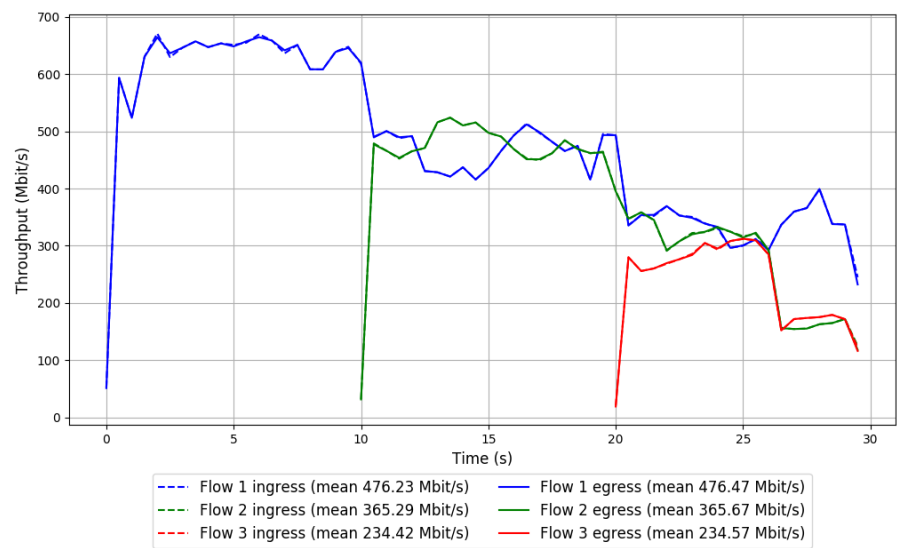


Run 5: Statistics of PCC

Start at: 2017-10-12 05:03:13
End at: 2017-10-12 05:03:43
Local clock offset: 1.341 ms
Remote clock offset: -1.237 ms

Below is generated by plot.py at 2017-10-12 11:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 796.30 Mbit/s
95th percentile per-packet one-way delay: 3.935 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 476.47 Mbit/s
95th percentile per-packet one-way delay: 4.981 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 365.67 Mbit/s
95th percentile per-packet one-way delay: 3.657 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 234.57 Mbit/s
95th percentile per-packet one-way delay: 3.916 ms
Loss rate: 0.14%

Run 5: Report of PCC — Data Link

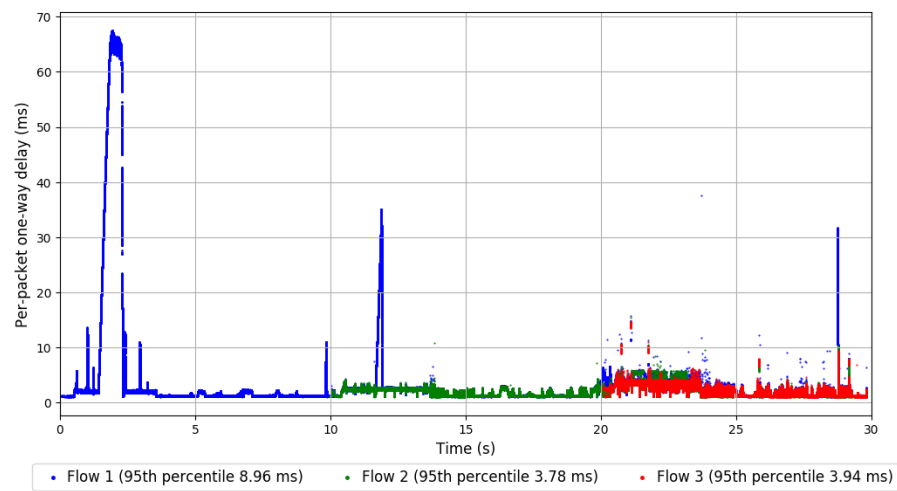
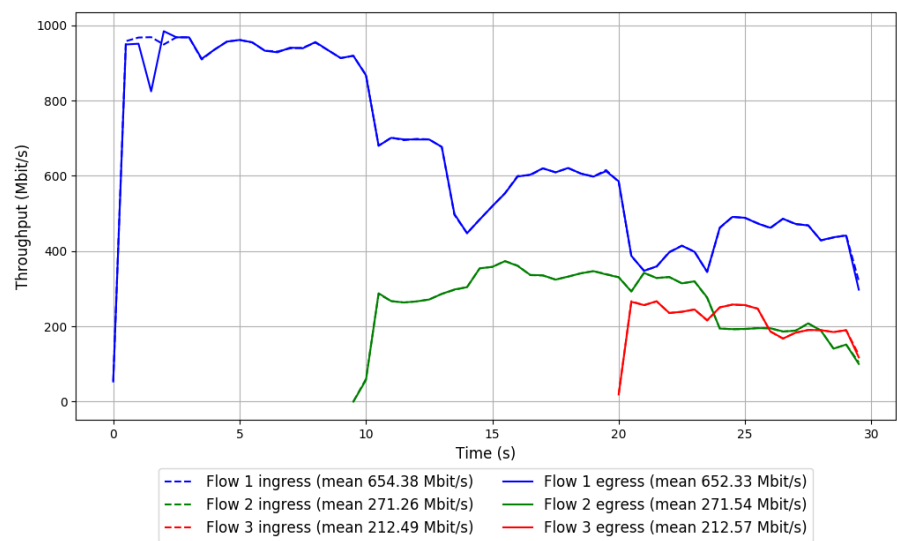


Run 6: Statistics of PCC

Start at: 2017-10-12 05:24:26
End at: 2017-10-12 05:24:56
Local clock offset: 1.561 ms
Remote clock offset: -1.219 ms

Below is generated by plot.py at 2017-10-12 11:41:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 902.81 Mbit/s
95th percentile per-packet one-way delay: 4.172 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 652.33 Mbit/s
95th percentile per-packet one-way delay: 8.957 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 271.54 Mbit/s
95th percentile per-packet one-way delay: 3.782 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 212.57 Mbit/s
95th percentile per-packet one-way delay: 3.935 ms
Loss rate: 0.18%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-10-12 05:45:48

End at: 2017-10-12 05:46:18

Local clock offset: 1.574 ms

Remote clock offset: -1.11 ms

Below is generated by plot.py at 2017-10-12 11:43:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 883.07 Mbit/s

95th percentile per-packet one-way delay: 10.231 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 597.94 Mbit/s

95th percentile per-packet one-way delay: 34.345 ms

Loss rate: 1.73%

-- Flow 2:

Average throughput: 318.81 Mbit/s

95th percentile per-packet one-way delay: 2.694 ms

Loss rate: 0.10%

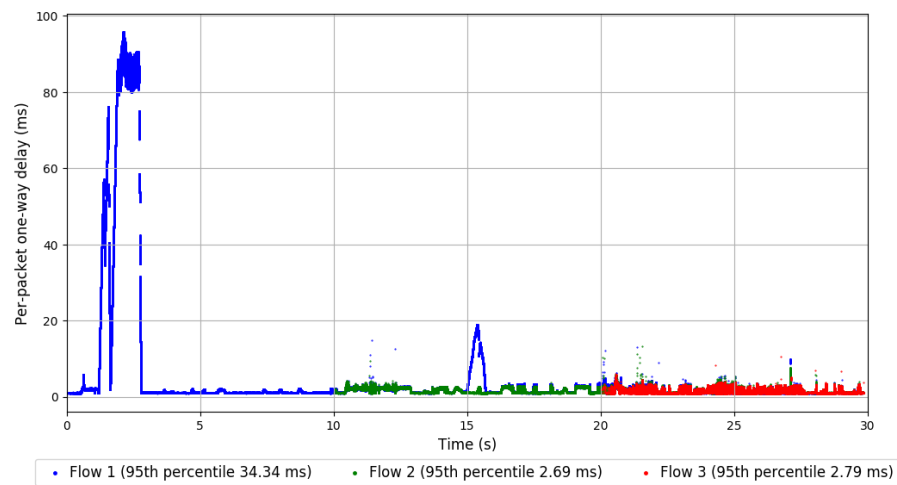
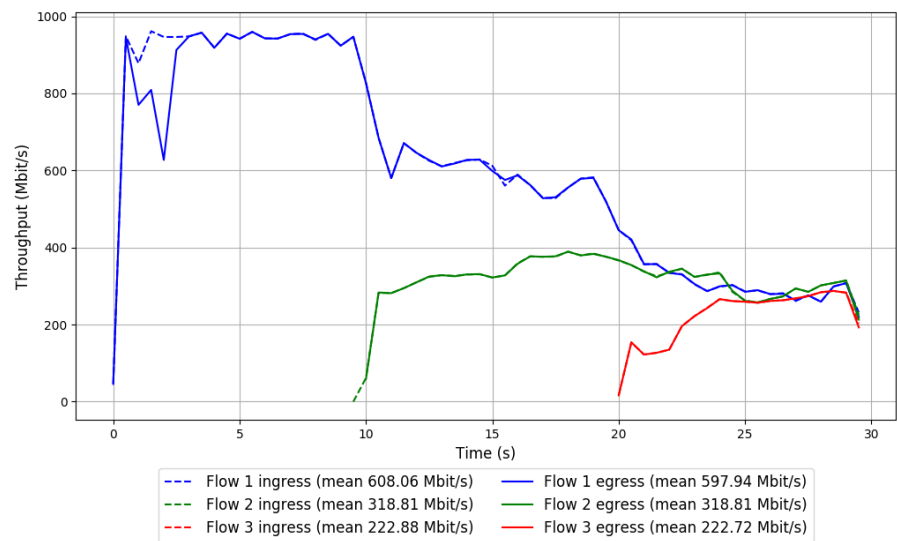
-- Flow 3:

Average throughput: 222.72 Mbit/s

95th percentile per-packet one-way delay: 2.789 ms

Loss rate: 0.26%

Run 7: Report of PCC — Data Link

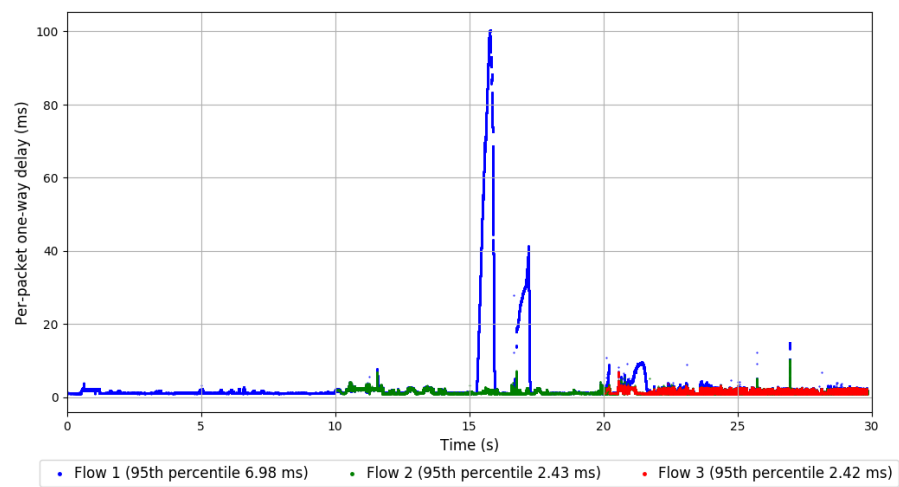
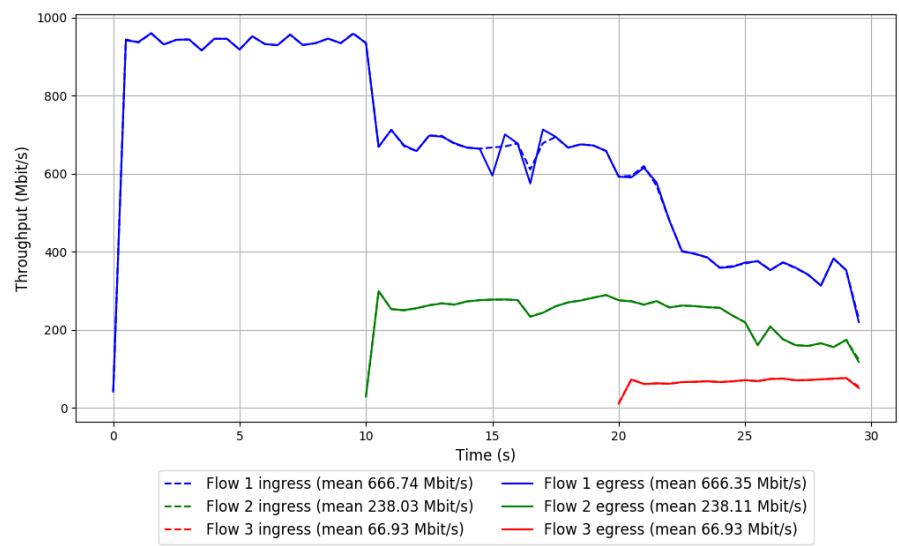


Run 8: Statistics of PCC

Start at: 2017-10-12 06:07:06
End at: 2017-10-12 06:07:36
Local clock offset: 1.405 ms
Remote clock offset: -1.295 ms

Below is generated by plot.py at 2017-10-12 11:44:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 846.23 Mbit/s
95th percentile per-packet one-way delay: 3.792 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 666.35 Mbit/s
95th percentile per-packet one-way delay: 6.980 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 238.11 Mbit/s
95th percentile per-packet one-way delay: 2.427 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 66.93 Mbit/s
95th percentile per-packet one-way delay: 2.421 ms
Loss rate: 0.31%

Run 8: Report of PCC — Data Link

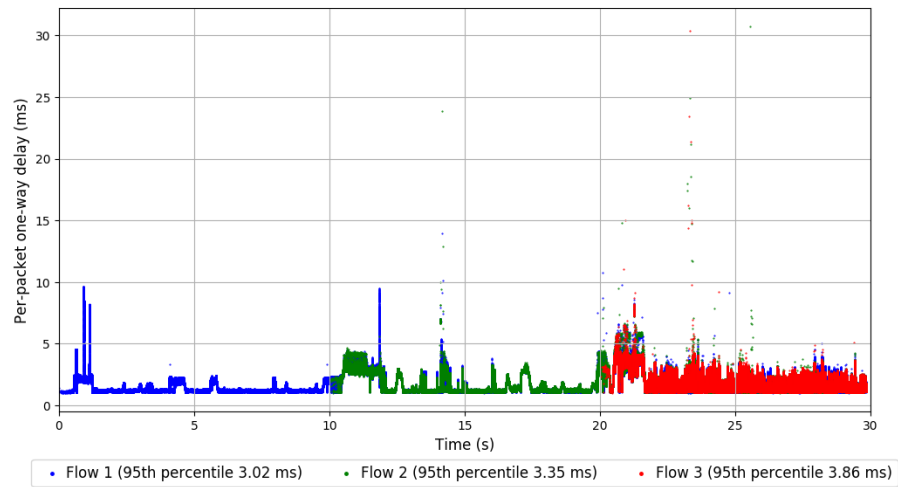
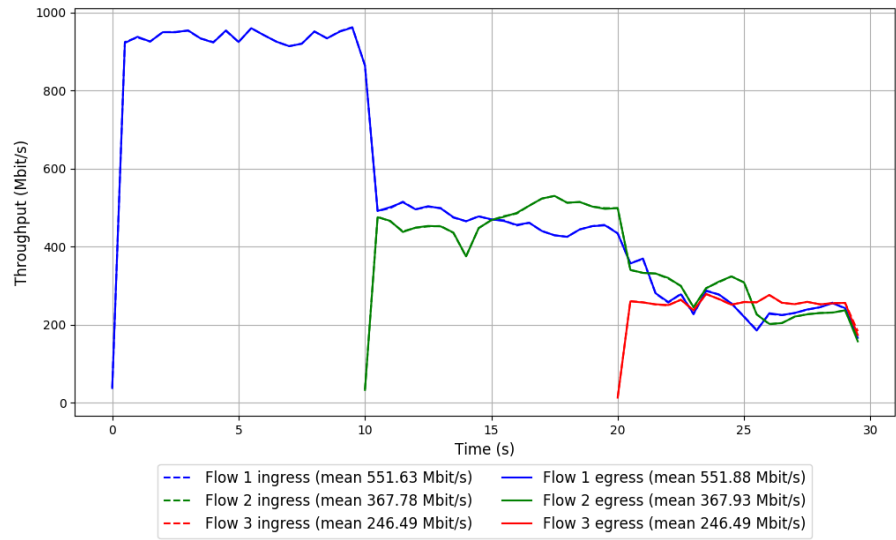


Run 9: Statistics of PCC

Start at: 2017-10-12 06:28:09
End at: 2017-10-12 06:28:39
Local clock offset: 1.369 ms
Remote clock offset: -1.567 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 877.27 Mbit/s
95th percentile per-packet one-way delay: 3.197 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 551.88 Mbit/s
95th percentile per-packet one-way delay: 3.015 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 367.93 Mbit/s
95th percentile per-packet one-way delay: 3.345 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 246.49 Mbit/s
95th percentile per-packet one-way delay: 3.859 ms
Loss rate: 0.22%

Run 9: Report of PCC — Data Link

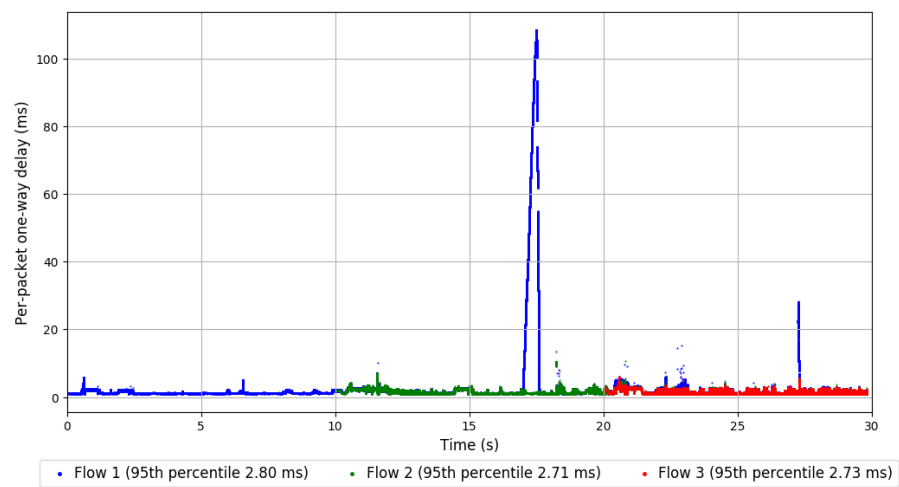
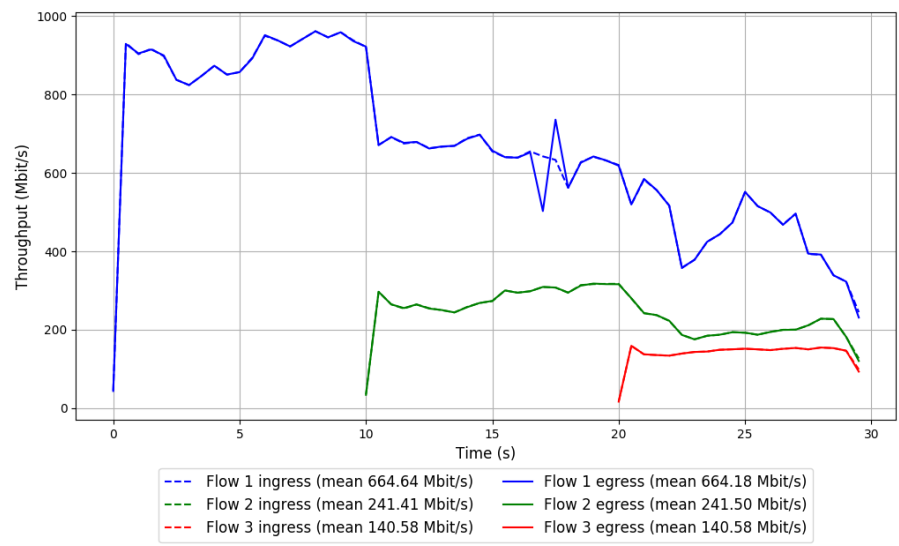


Run 10: Statistics of PCC

Start at: 2017-10-12 06:49:23
End at: 2017-10-12 06:49:53
Local clock offset: 1.277 ms
Remote clock offset: -1.202 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 870.83 Mbit/s
95th percentile per-packet one-way delay: 2.763 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 664.18 Mbit/s
95th percentile per-packet one-way delay: 2.801 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 241.50 Mbit/s
95th percentile per-packet one-way delay: 2.707 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 140.58 Mbit/s
95th percentile per-packet one-way delay: 2.735 ms
Loss rate: 0.21%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-10-12 03:46:30

End at: 2017-10-12 03:47:01

Local clock offset: 0.954 ms

Remote clock offset: -3.21 ms

Below is generated by plot.py at 2017-10-12 11:49:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.07 Mbit/s

95th percentile per-packet one-way delay: 1.067 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 75.97 Mbit/s

95th percentile per-packet one-way delay: 1.068 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 69.15 Mbit/s

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

Loss rate: 0.11%

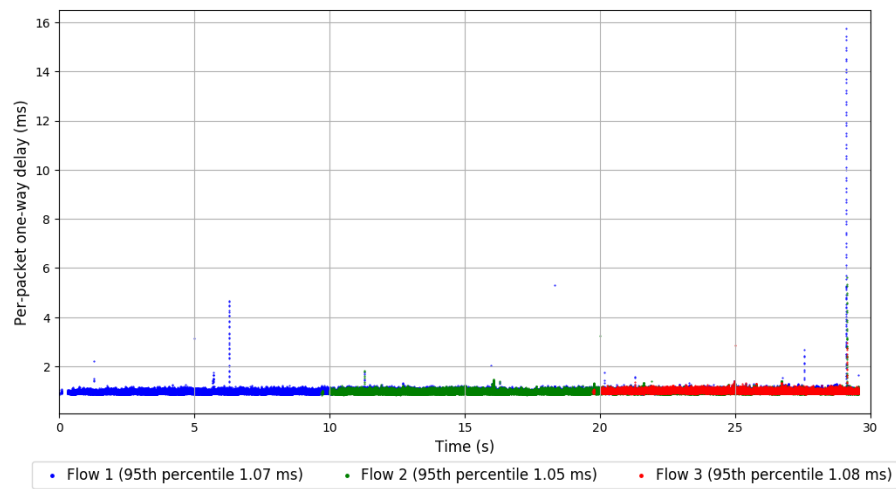
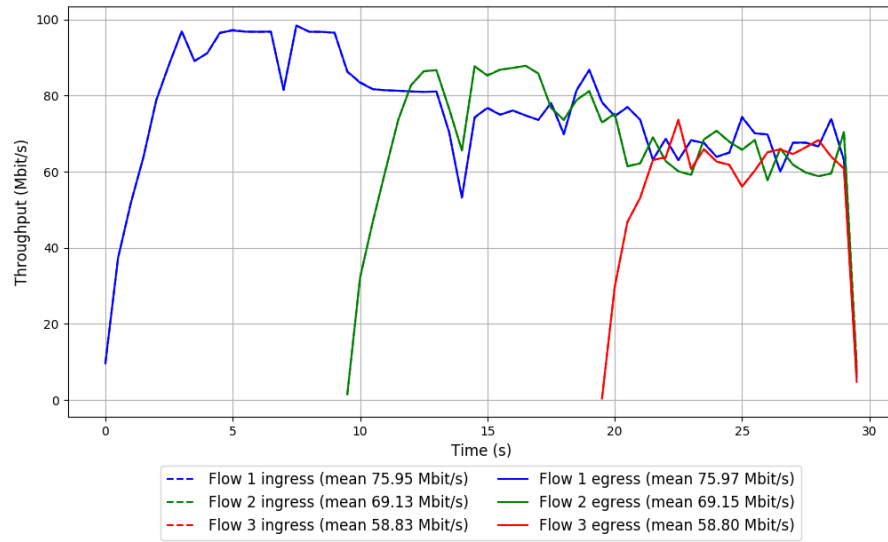
-- Flow 3:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.25%

Run 1: Report of QUIC Cubic — Data Link

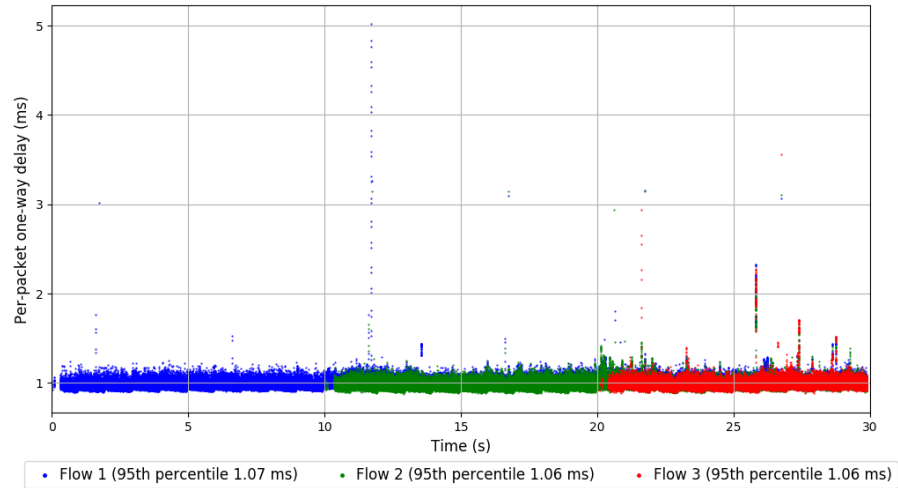
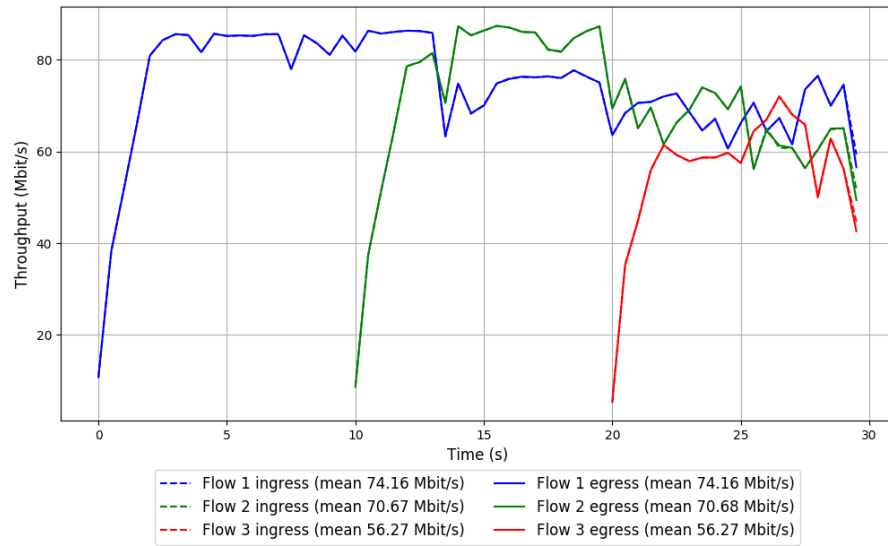


Run 2: Statistics of QUIC Cubic

Start at: 2017-10-12 04:07:36
End at: 2017-10-12 04:08:06
Local clock offset: 1.163 ms
Remote clock offset: -2.495 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.60 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.16 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.20%

Run 2: Report of QUIC Cubic — Data Link

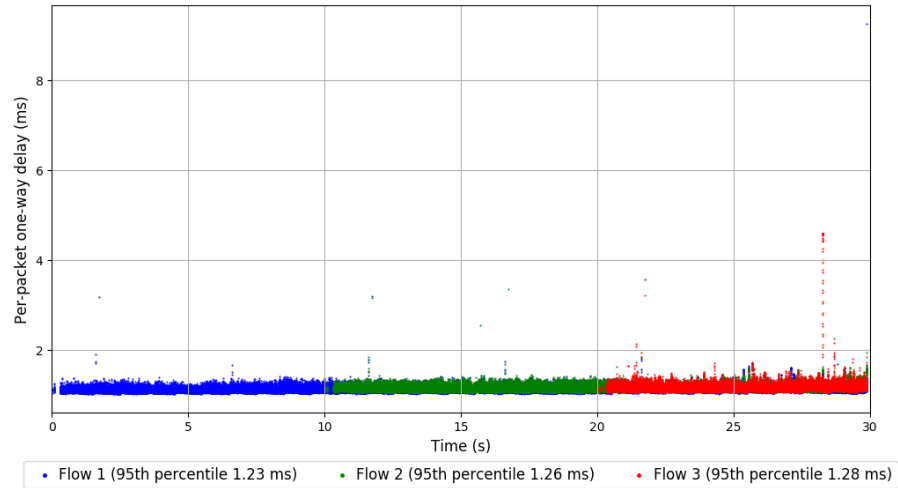
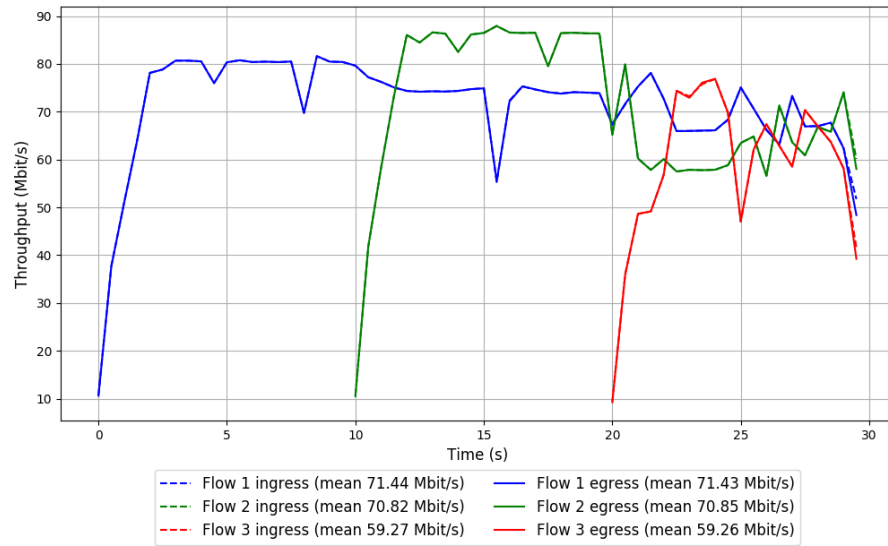


Run 3: Statistics of QUIC Cubic

Start at: 2017-10-12 04:28:54
End at: 2017-10-12 04:29:24
Local clock offset: 1.314 ms
Remote clock offset: -1.903 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.03 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 71.43 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 70.85 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.21%

Run 3: Report of QUIC Cubic — Data Link

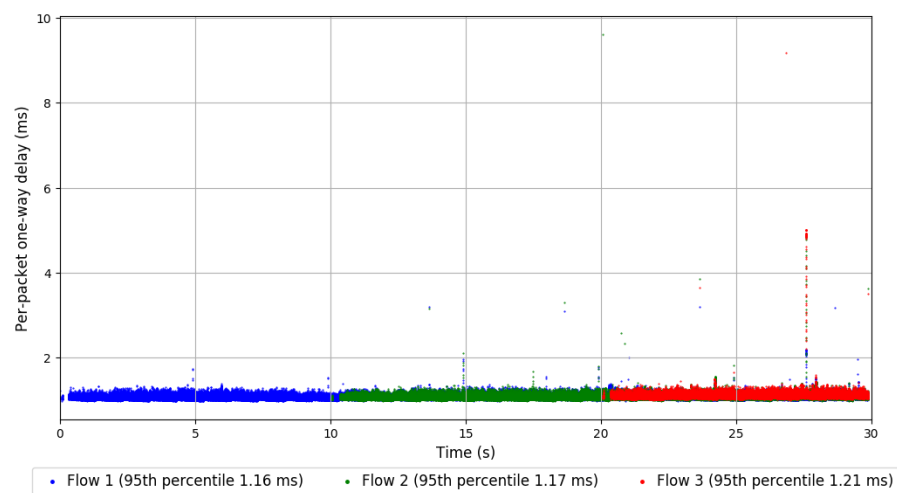
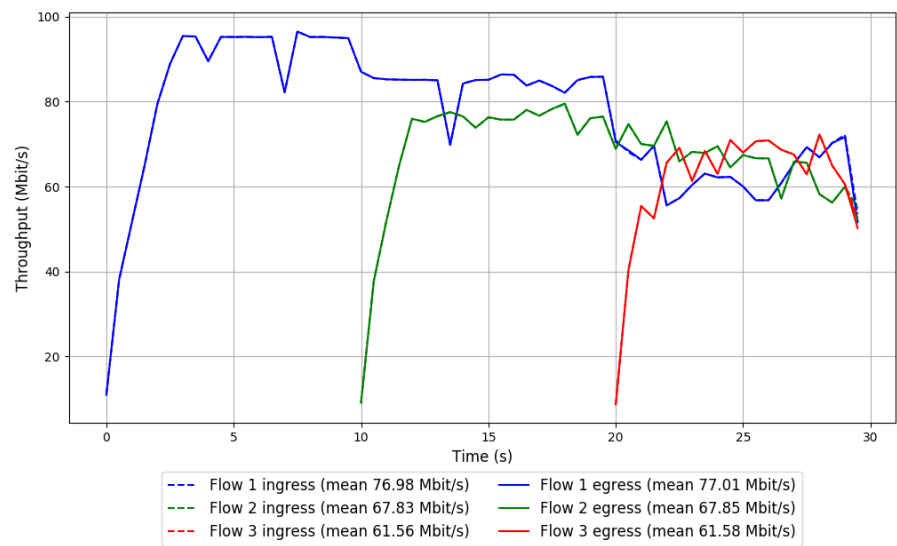


Run 4: Statistics of QUIC Cubic

Start at: 2017-10-12 04:50:09
End at: 2017-10-12 04:50:40
Local clock offset: 1.383 ms
Remote clock offset: -1.614 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.40 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 77.01 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 61.58 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.22%

Run 4: Report of QUIC Cubic — Data Link

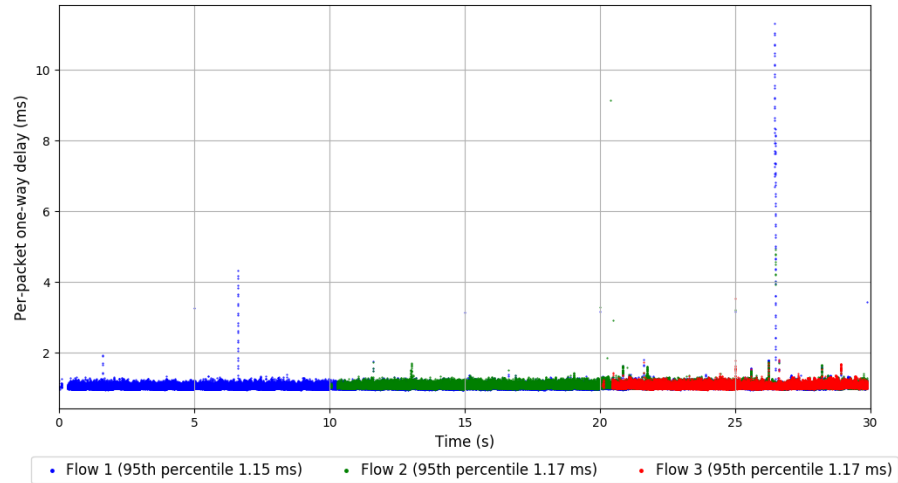
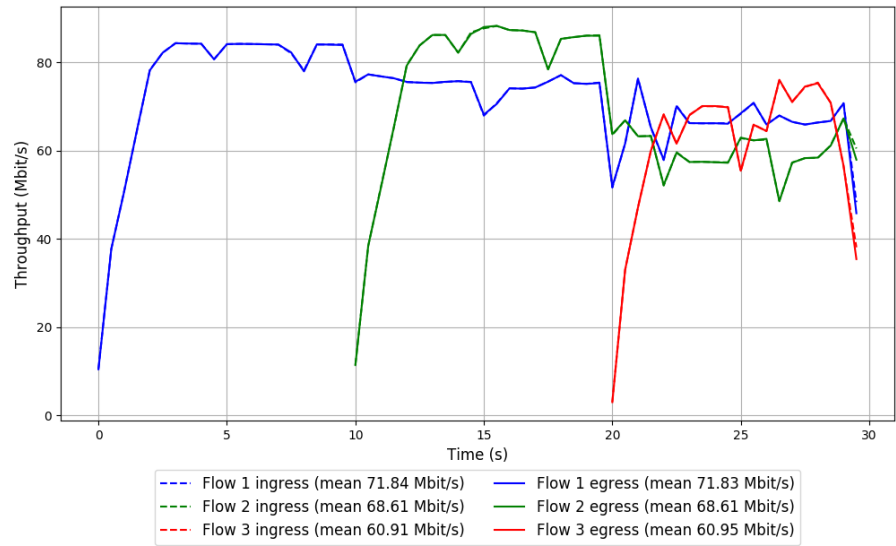


Run 5: Statistics of QUIC Cubic

Start at: 2017-10-12 05:11:32
End at: 2017-10-12 05:12:02
Local clock offset: 1.49 ms
Remote clock offset: -1.212 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.47 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 71.83 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.23%

Run 5: Report of QUIC Cubic — Data Link

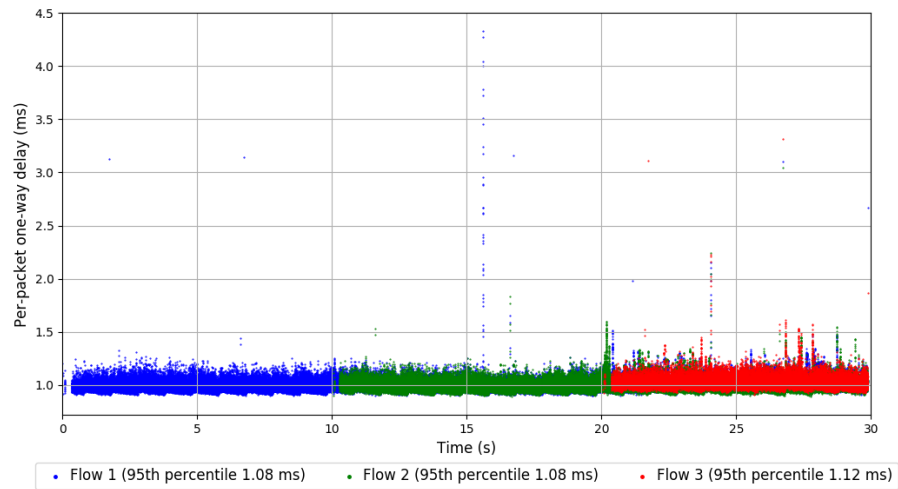
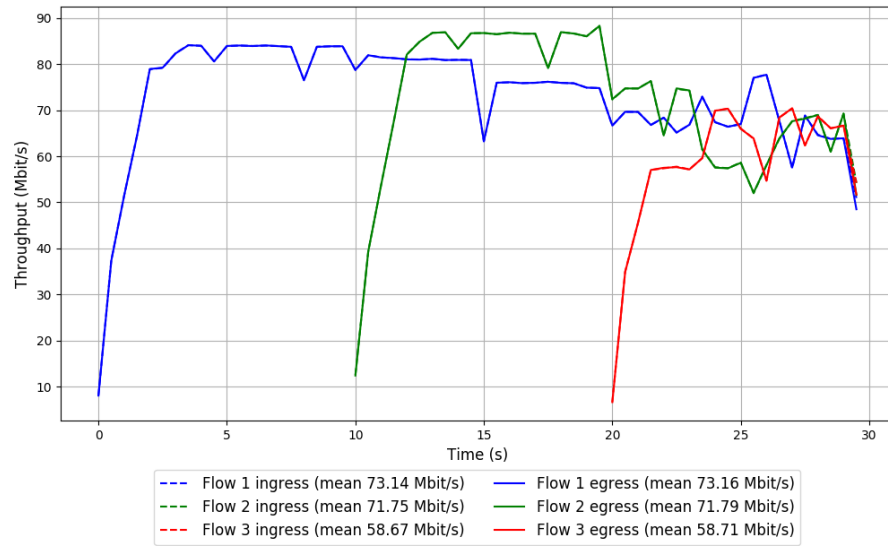


Run 6: Statistics of QUIC Cubic

Start at: 2017-10-12 05:32:49
End at: 2017-10-12 05:33:19
Local clock offset: 1.515 ms
Remote clock offset: -1.145 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.19 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 73.16 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 71.79 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.23%

Run 6: Report of QUIC Cubic — Data Link

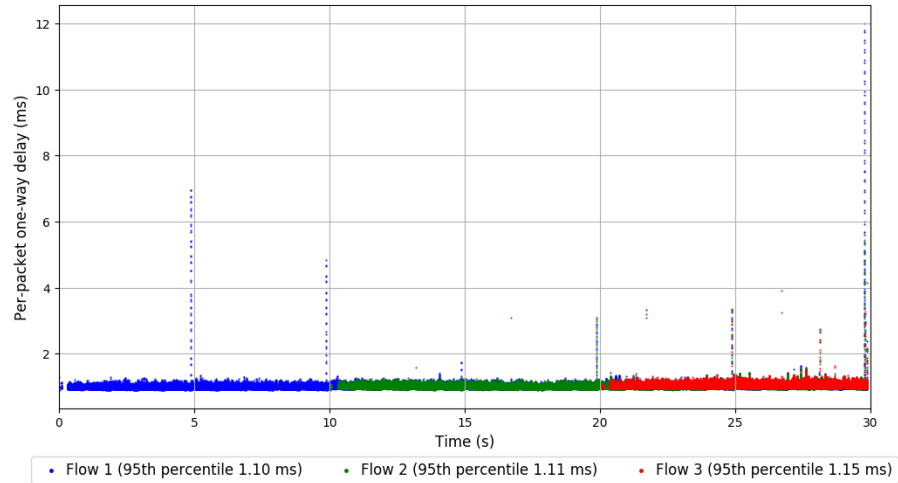
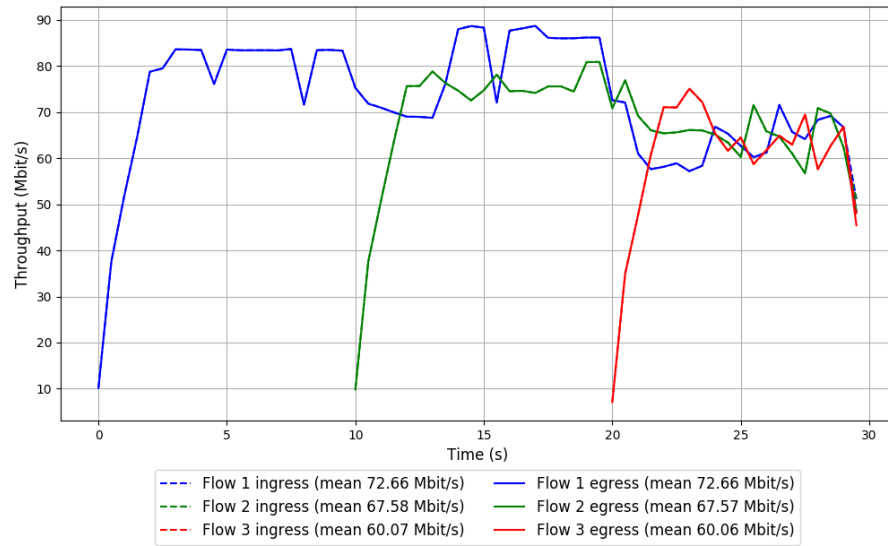


Run 7: Statistics of QUIC Cubic

Start at: 2017-10-12 05:54:12
End at: 2017-10-12 05:54:42
Local clock offset: 1.444 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.36 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 60.06 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.22%

Run 7: Report of QUIC Cubic — Data Link

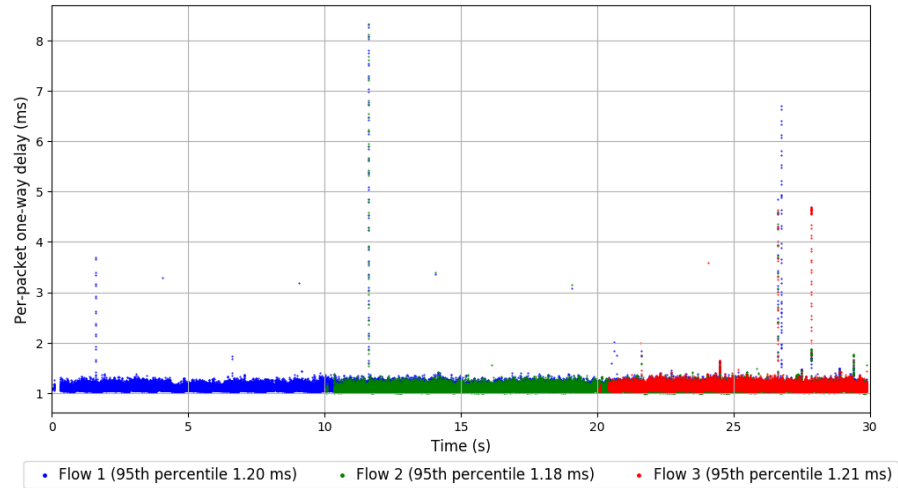
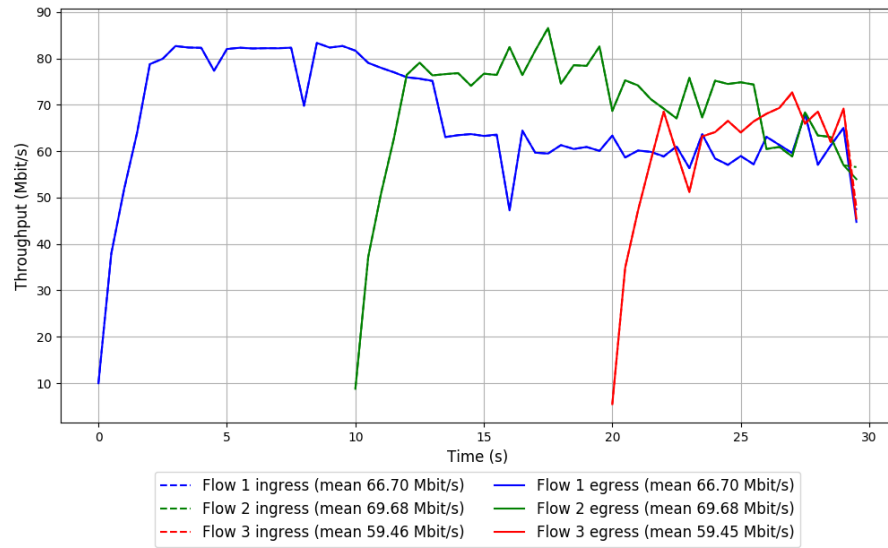


Run 8: Statistics of QUIC Cubic

Start at: 2017-10-12 06:15:21
End at: 2017-10-12 06:15:51
Local clock offset: 1.436 ms
Remote clock offset: -1.427 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.60 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 66.70 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.21%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-10-12 06:36:30

End at: 2017-10-12 06:37:00

Local clock offset: 1.291 ms

Remote clock offset: -1.38 ms

Below is generated by plot.py at 2017-10-12 11:49:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.78 Mbit/s

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

Loss rate: 0.09%

-- Flow 1:

Average throughput: 73.15 Mbit/s

95th percentile per-packet one-way delay: 1.143 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 70.38 Mbit/s

95th percentile per-packet one-way delay: 1.181 ms

Loss rate: 0.12%

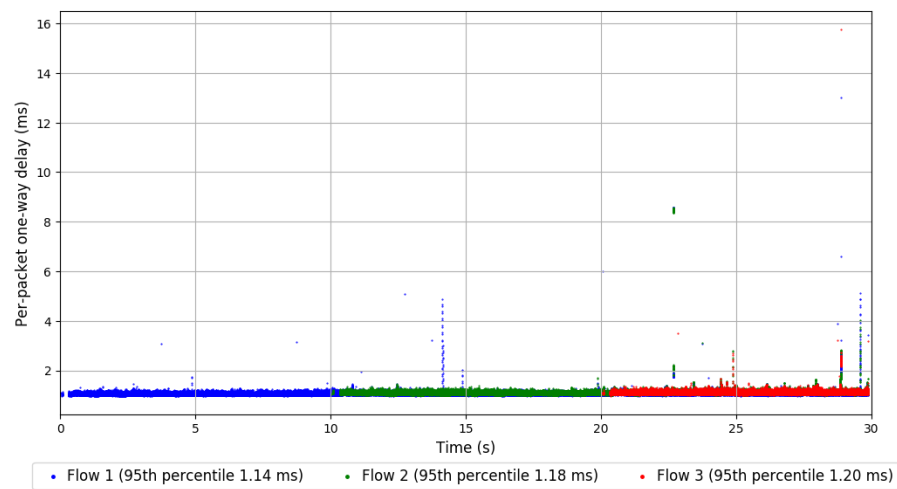
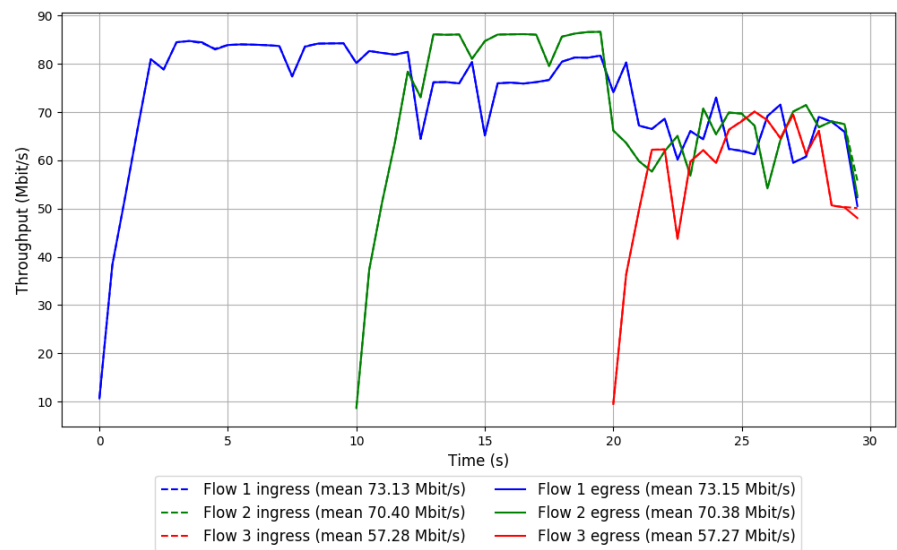
-- Flow 3:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 1.198 ms

Loss rate: 0.19%

Run 9: Report of QUIC Cubic — Data Link

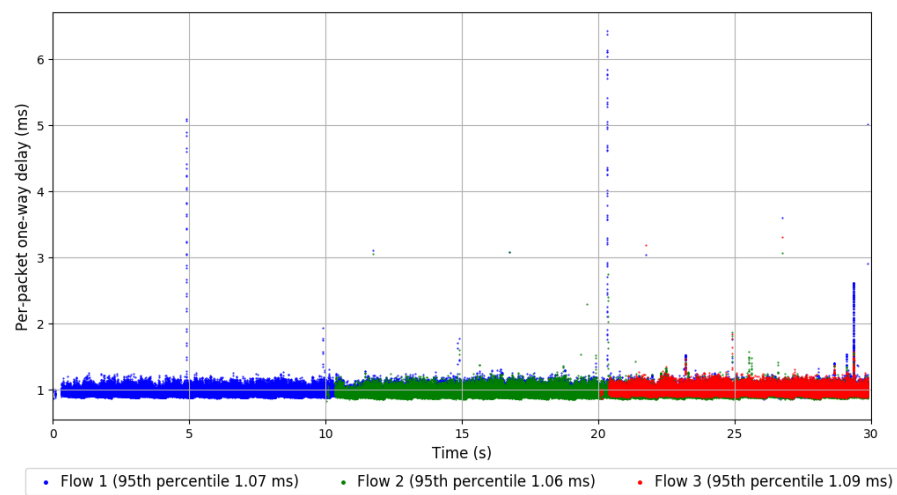
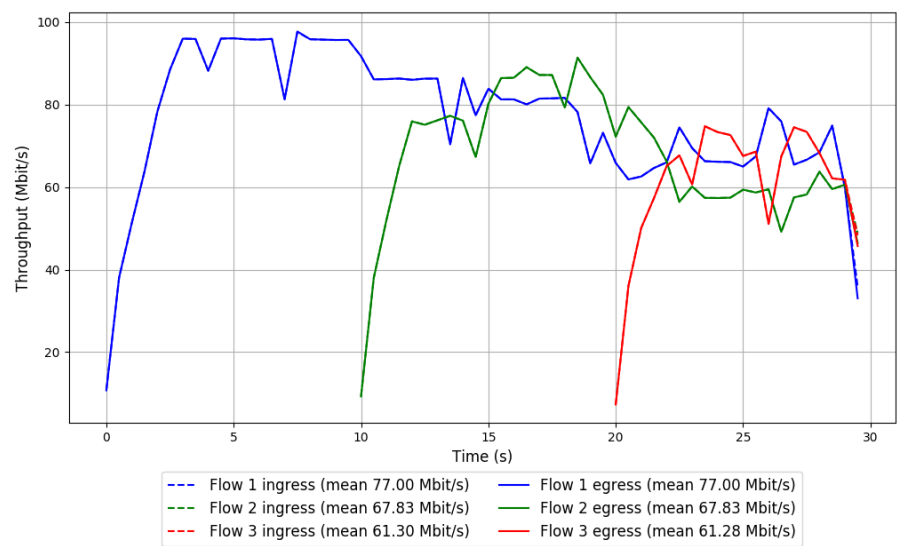


Run 10: Statistics of QUIC Cubic

Start at: 2017-10-12 06:57:46
End at: 2017-10-12 06:58:16
Local clock offset: 1.293 ms
Remote clock offset: -1.132 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.26 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.23%

Run 10: Report of QUIC Cubic — Data Link

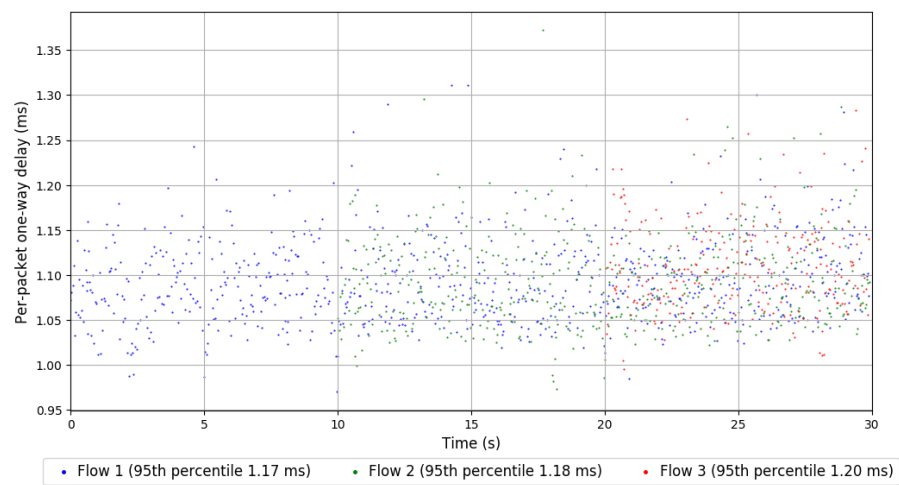
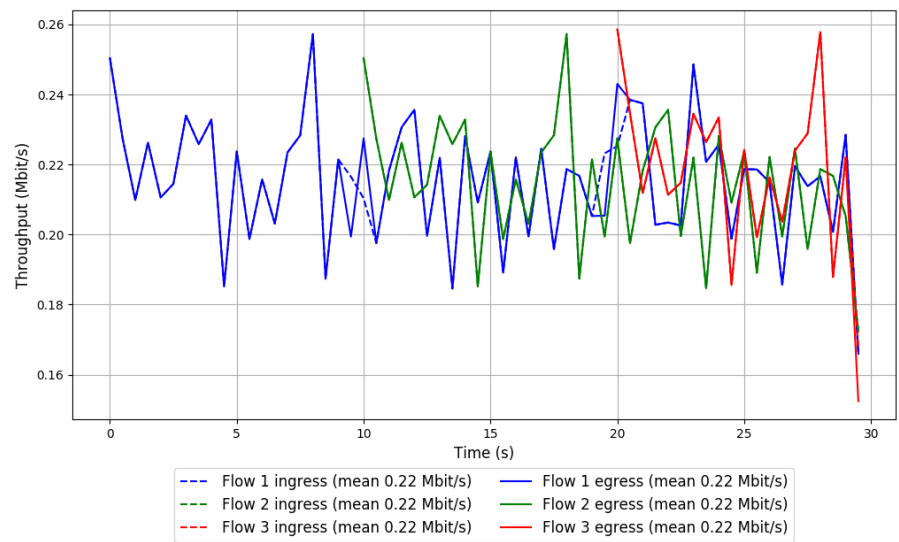


Run 1: Statistics of SReAM

Start at: 2017-10-12 03:47:47
End at: 2017-10-12 03:48:17
Local clock offset: 0.953 ms
Remote clock offset: -3.244 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

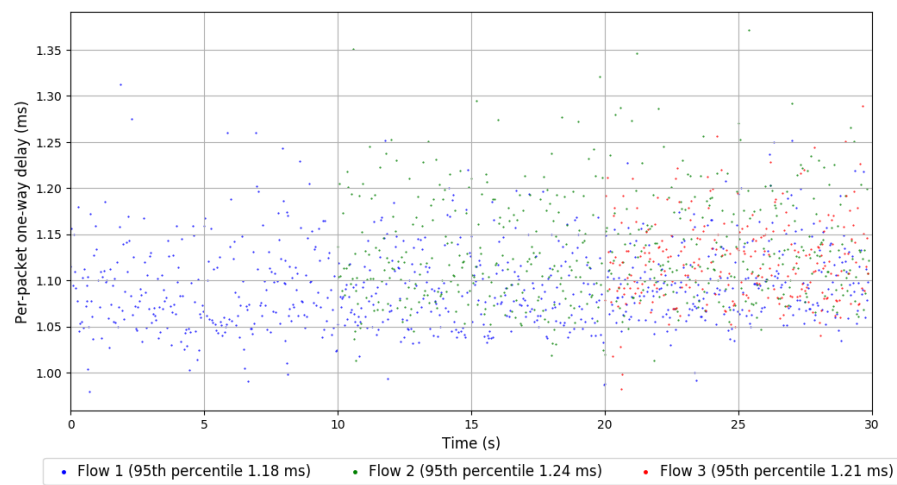
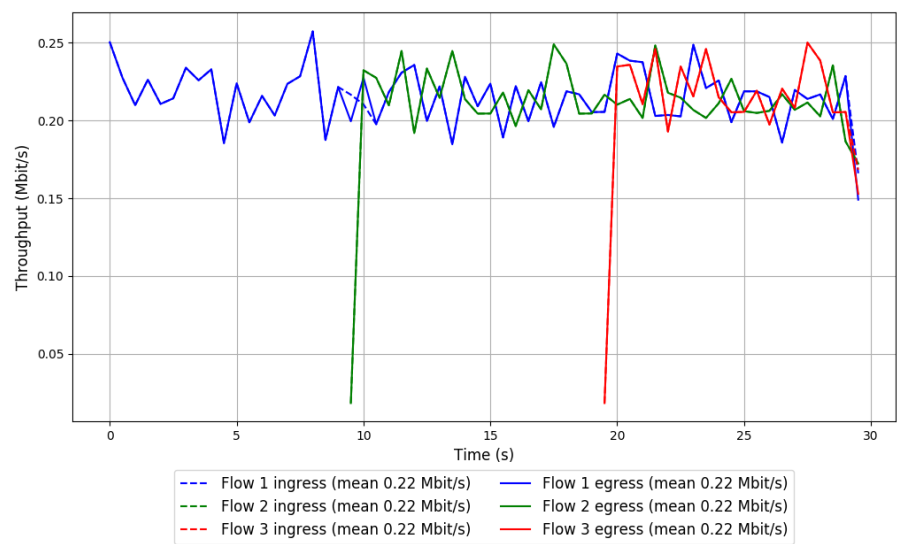


Run 2: Statistics of SReAM

Start at: 2017-10-12 04:08:53
End at: 2017-10-12 04:09:23
Local clock offset: 1.164 ms
Remote clock offset: -2.513 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

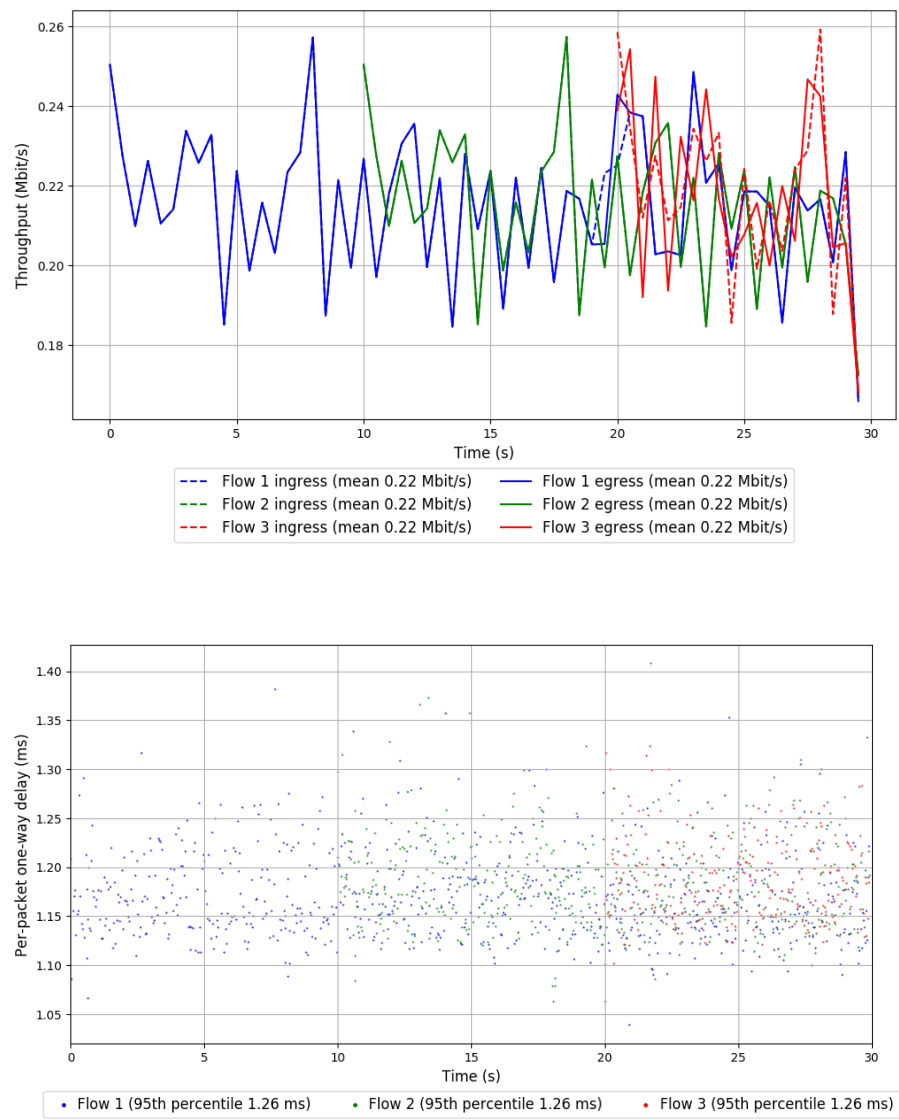


Run 3: Statistics of SReAM

Start at: 2017-10-12 04:30:11
End at: 2017-10-12 04:30:41
Local clock offset: 1.306 ms
Remote clock offset: -1.864 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

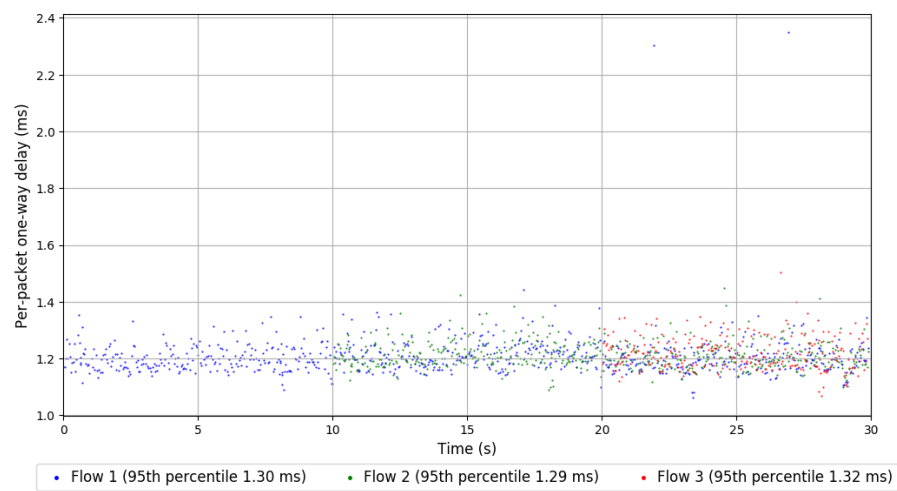
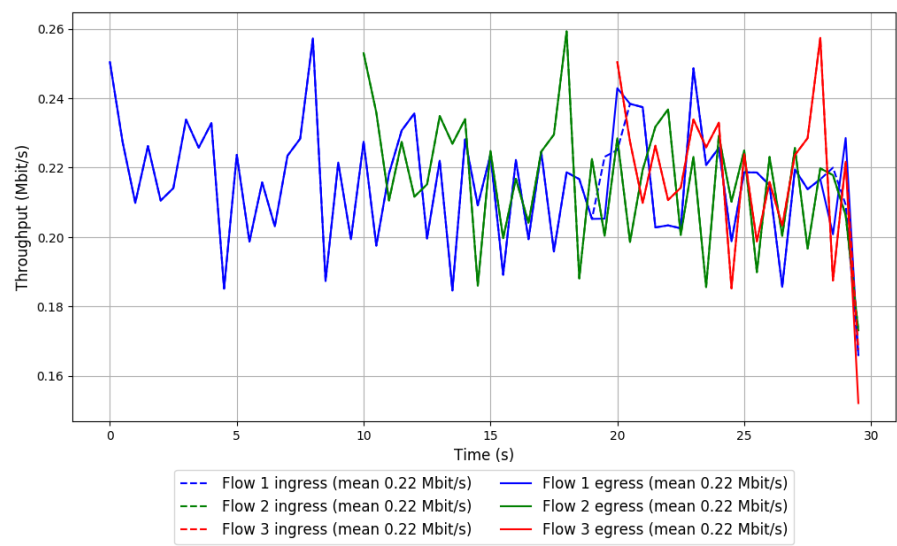


Run 4: Statistics of SReAM

Start at: 2017-10-12 04:51:26
End at: 2017-10-12 04:51:56
Local clock offset: 1.426 ms
Remote clock offset: -1.613 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.304 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

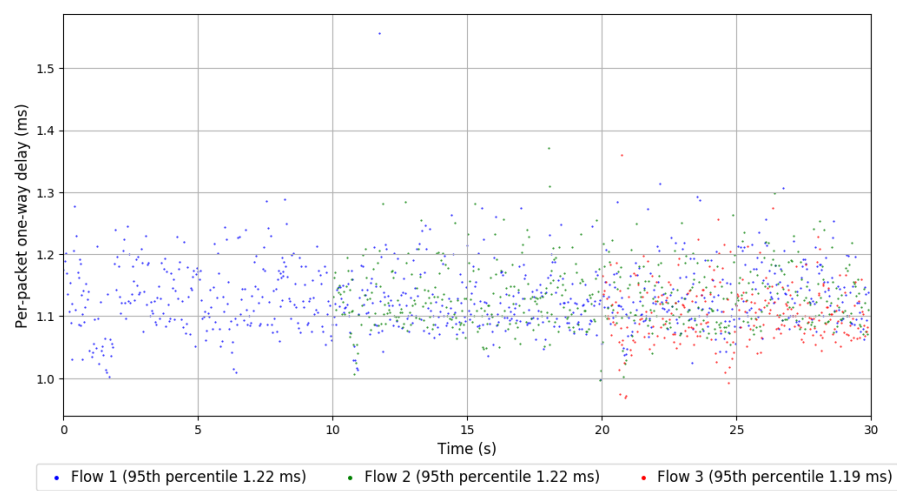
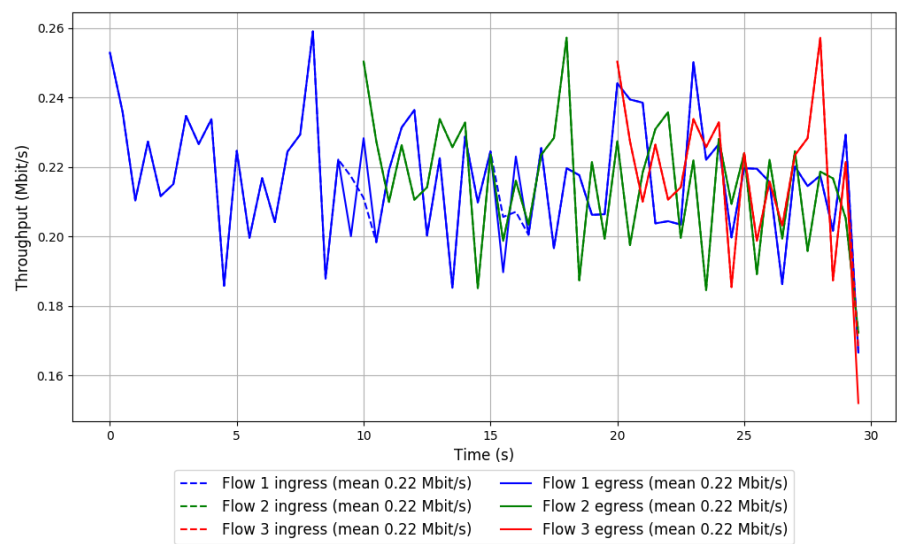


Run 5: Statistics of SReAM

Start at: 2017-10-12 05:12:49
End at: 2017-10-12 05:13:19
Local clock offset: 1.492 ms
Remote clock offset: -1.207 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

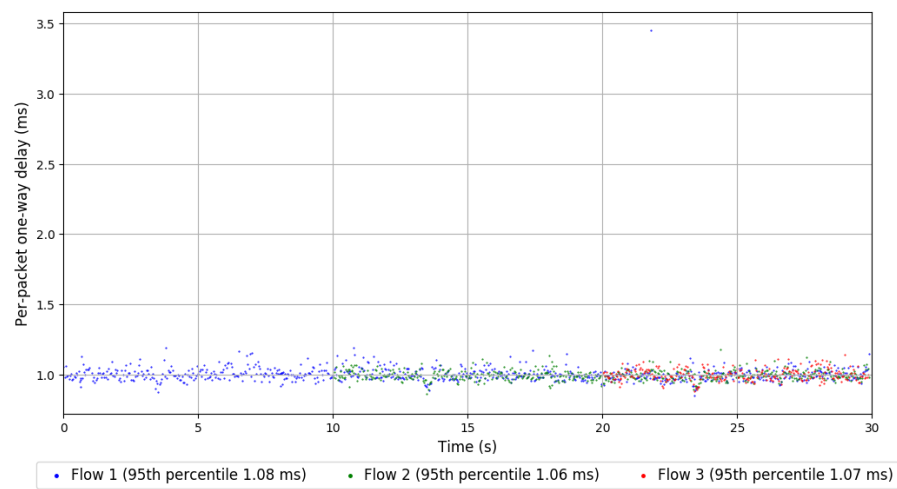
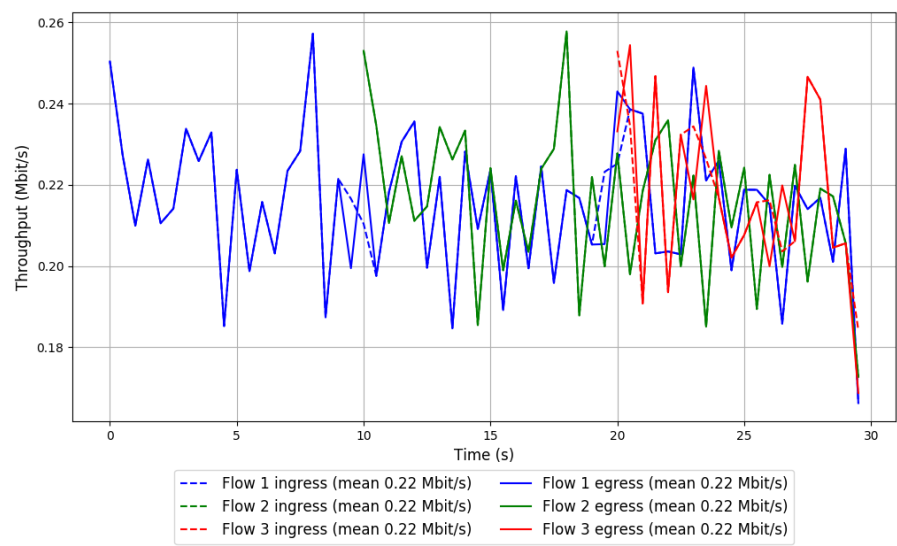


Run 6: Statistics of SReAM

Start at: 2017-10-12 05:34:06
End at: 2017-10-12 05:34:36
Local clock offset: 1.526 ms
Remote clock offset: -1.076 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

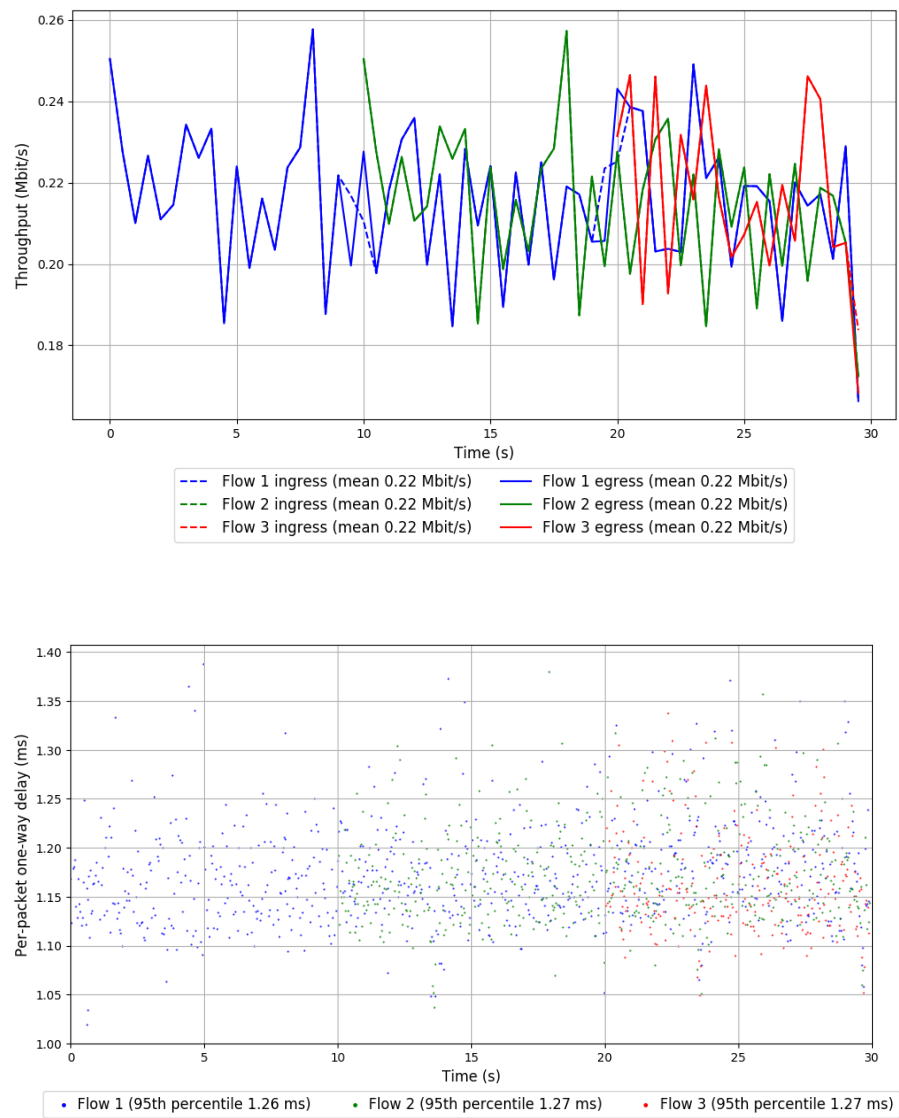


Run 7: Statistics of SReAM

Start at: 2017-10-12 05:55:29
End at: 2017-10-12 05:55:59
Local clock offset: 1.532 ms
Remote clock offset: -1.152 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.268 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

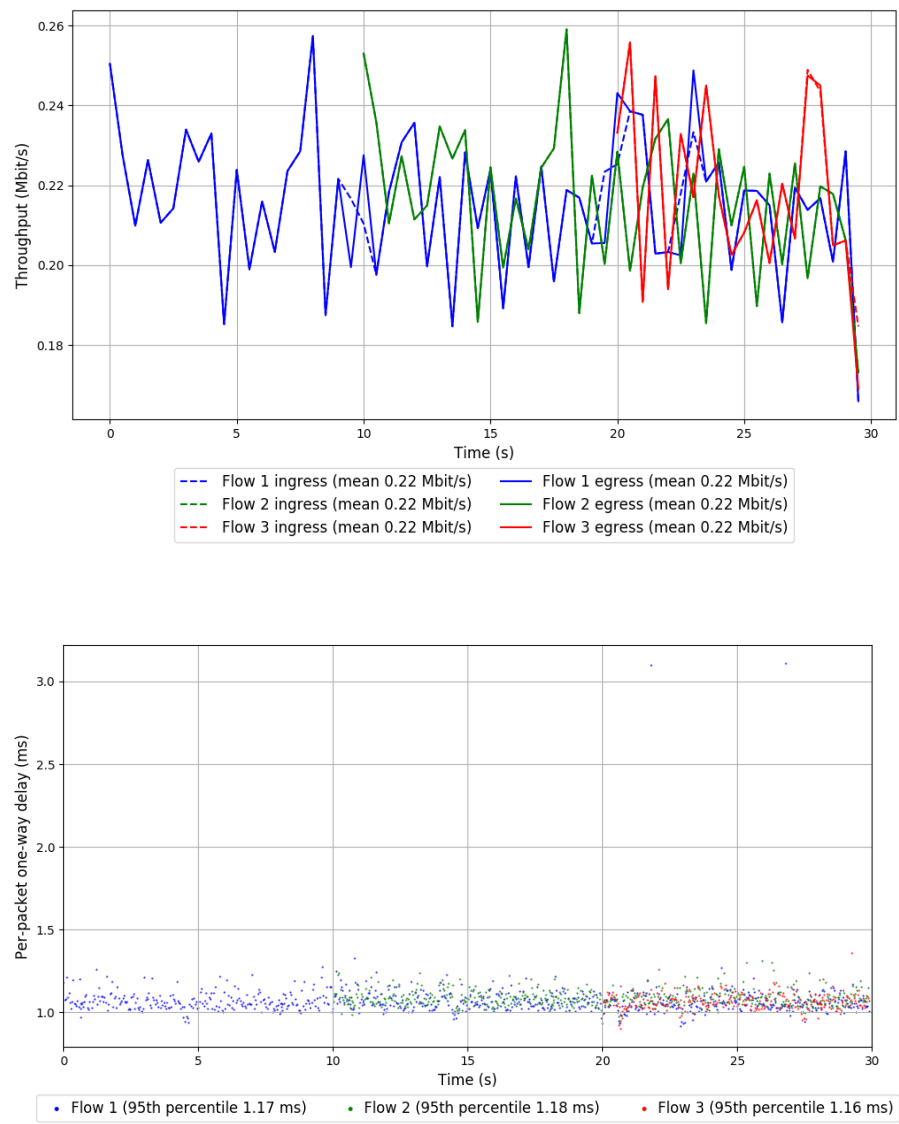


Run 8: Statistics of SCReAM

Start at: 2017-10-12 06:16:38
End at: 2017-10-12 06:17:08
Local clock offset: 1.35 ms
Remote clock offset: -1.435 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

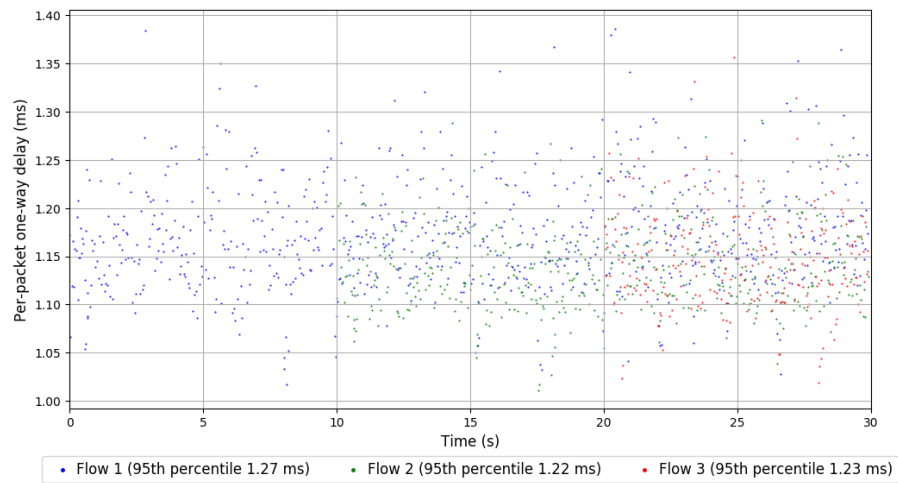
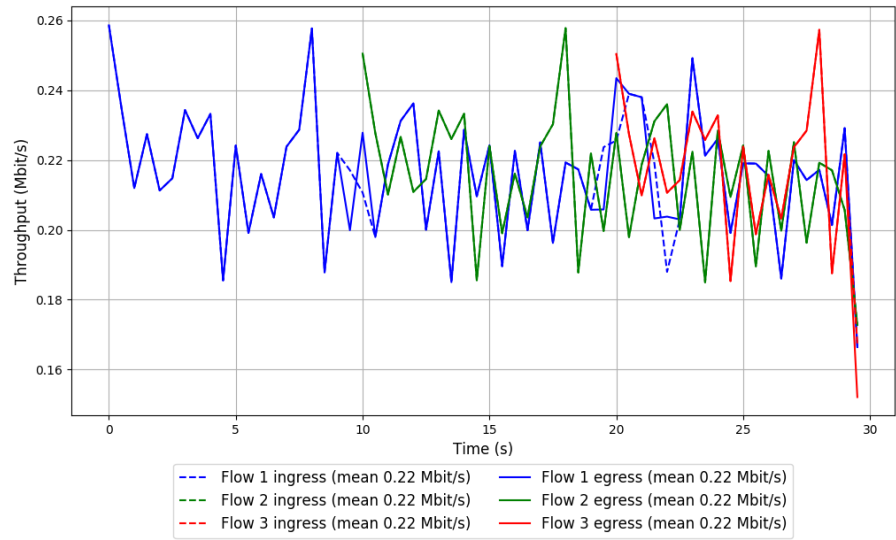


Run 9: Statistics of SReAM

Start at: 2017-10-12 06:37:47
End at: 2017-10-12 06:38:17
Local clock offset: 1.301 ms
Remote clock offset: -1.348 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

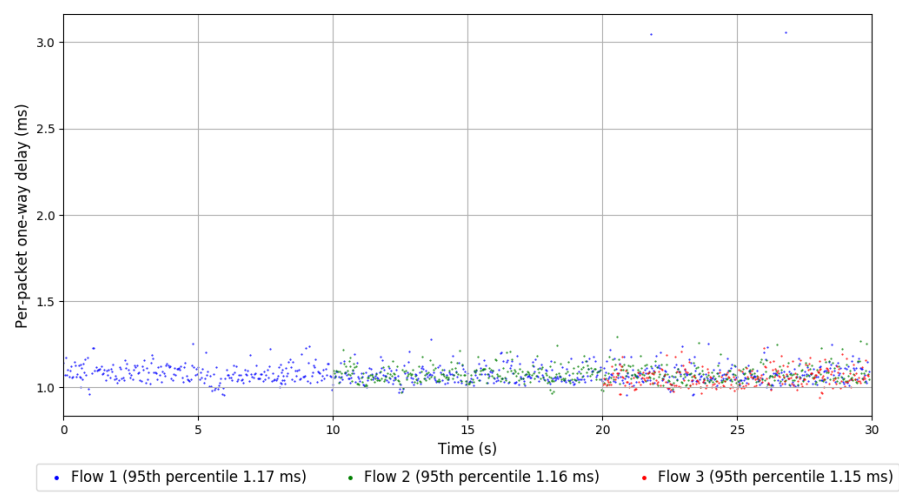
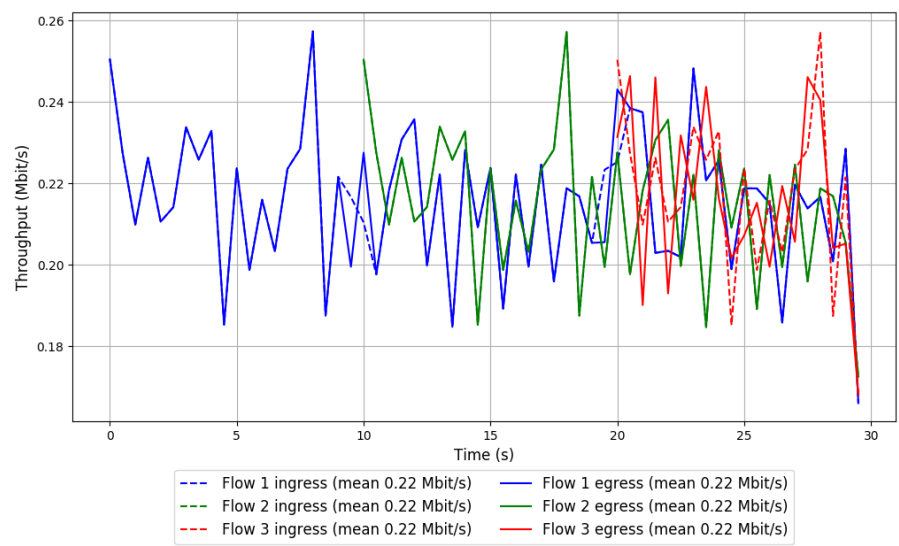


Run 10: Statistics of SReAM

Start at: 2017-10-12 06:59:03
End at: 2017-10-12 06:59:33
Local clock offset: 1.292 ms
Remote clock offset: -1.186 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

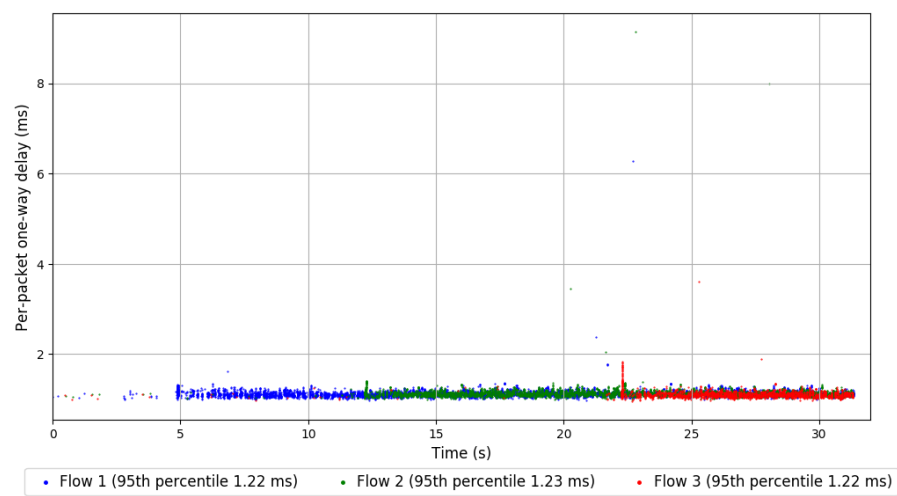
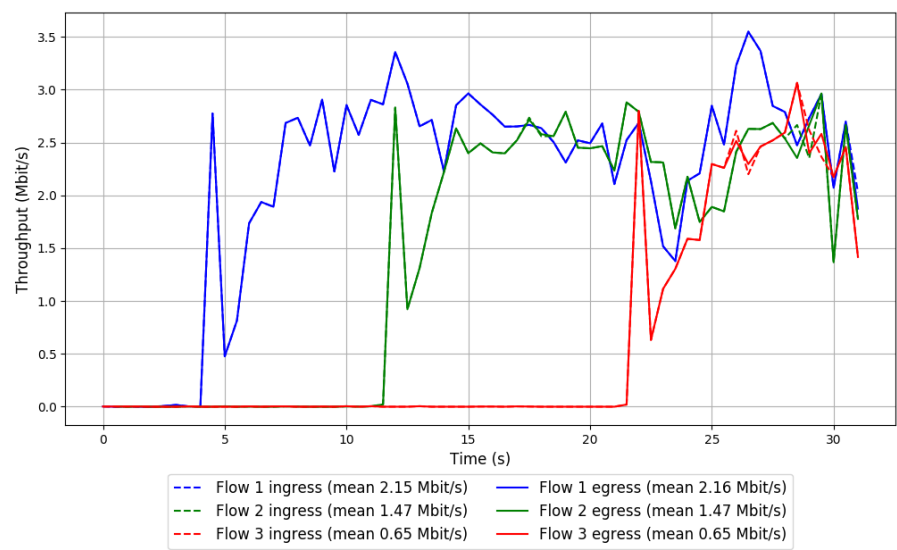


Run 1: Statistics of WebRTC media

Start at: 2017-10-12 03:50:30
End at: 2017-10-12 03:51:00
Local clock offset: 1.093 ms
Remote clock offset: -3.102 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

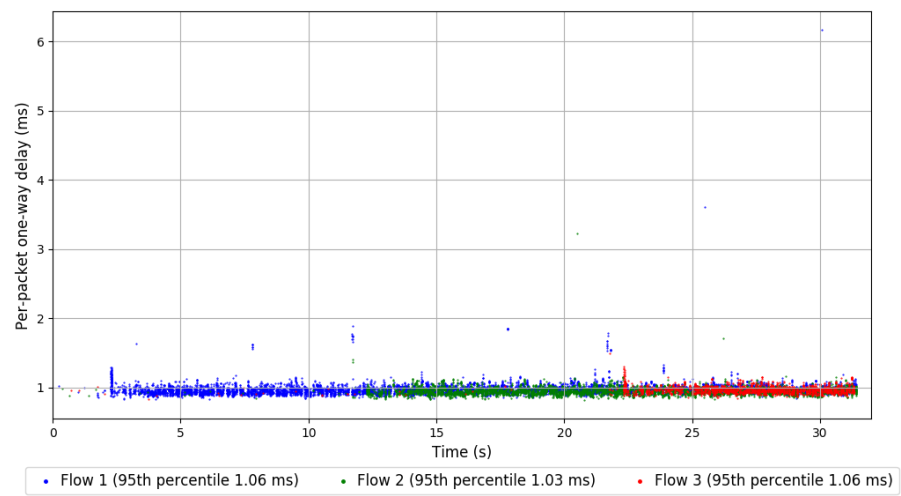
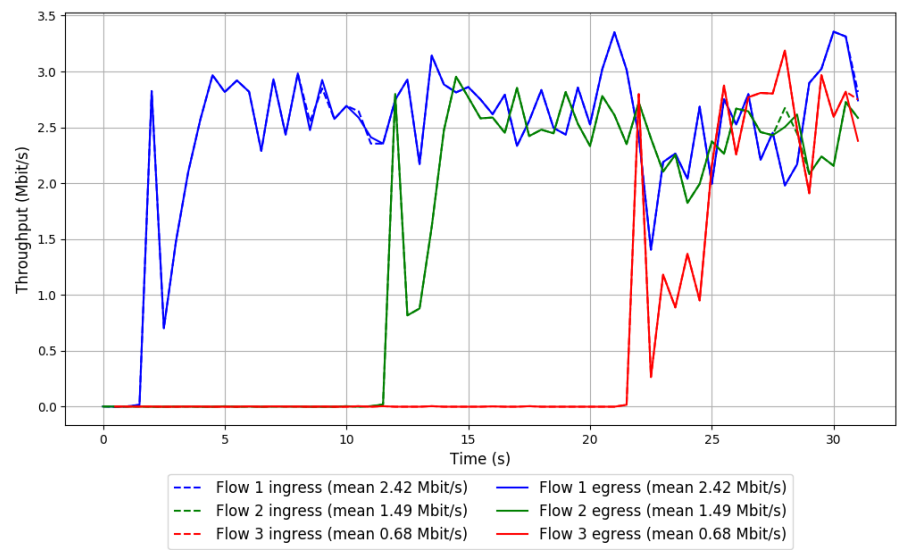


Run 2: Statistics of WebRTC media

Start at: 2017-10-12 04:11:38
End at: 2017-10-12 04:12:08
Local clock offset: 1.161 ms
Remote clock offset: -2.346 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.88%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-10-12 04:32:56

End at: 2017-10-12 04:33:26

Local clock offset: 1.339 ms

Remote clock offset: -1.86 ms

Below is generated by plot.py at 2017-10-12 11:49:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 1.219 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 1.224 ms

Loss rate: 0.00%

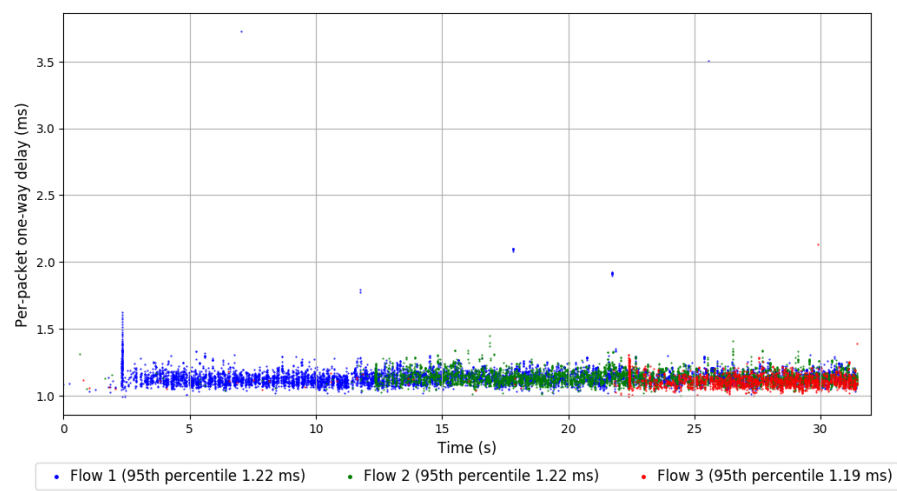
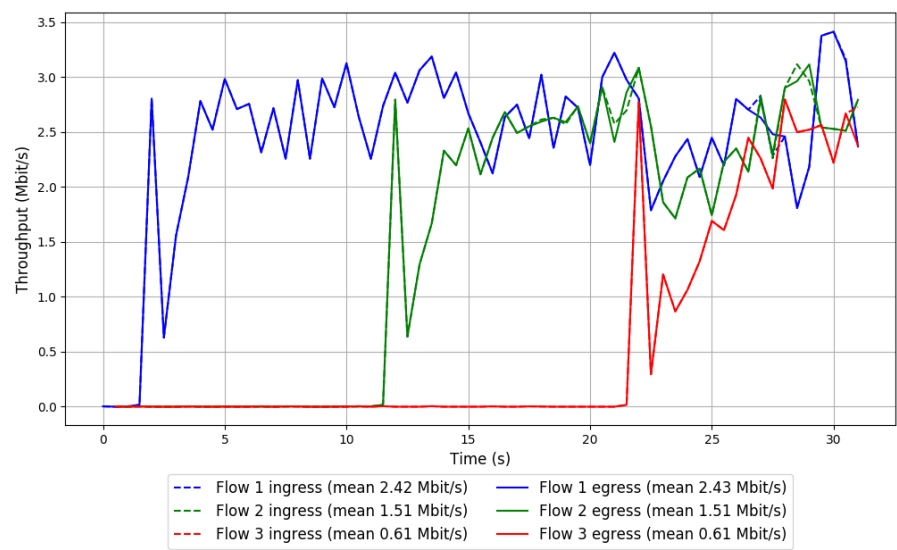
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 1.192 ms

Loss rate: 0.93%

Run 3: Report of WebRTC media — Data Link

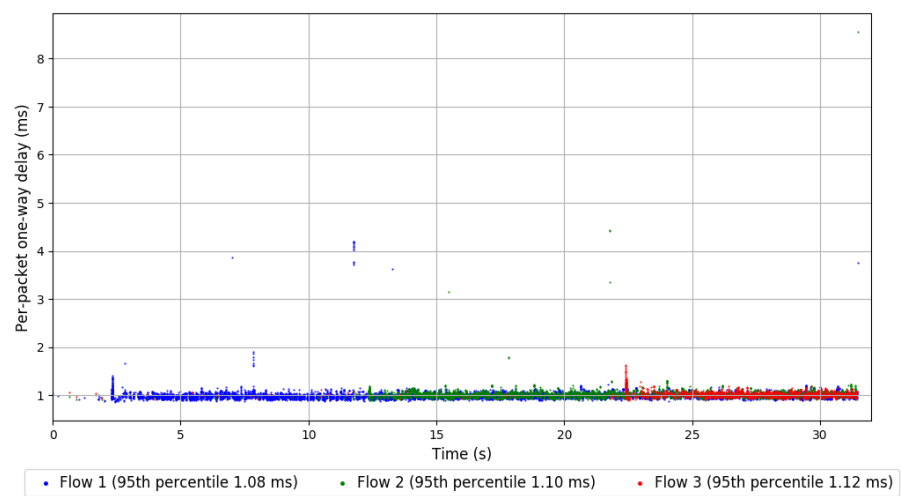
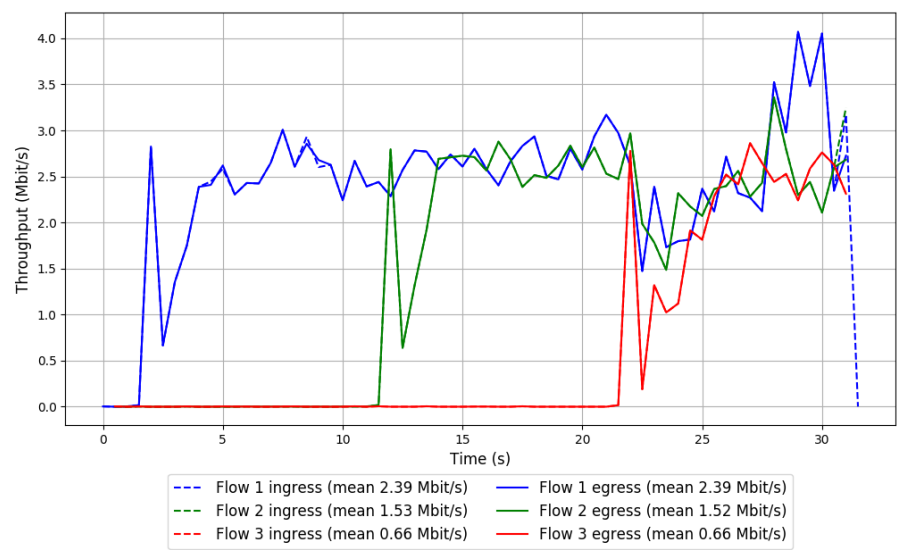


Run 4: Statistics of WebRTC media

Start at: 2017-10-12 04:54:19
End at: 2017-10-12 04:54:49
Local clock offset: 1.328 ms
Remote clock offset: -1.525 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

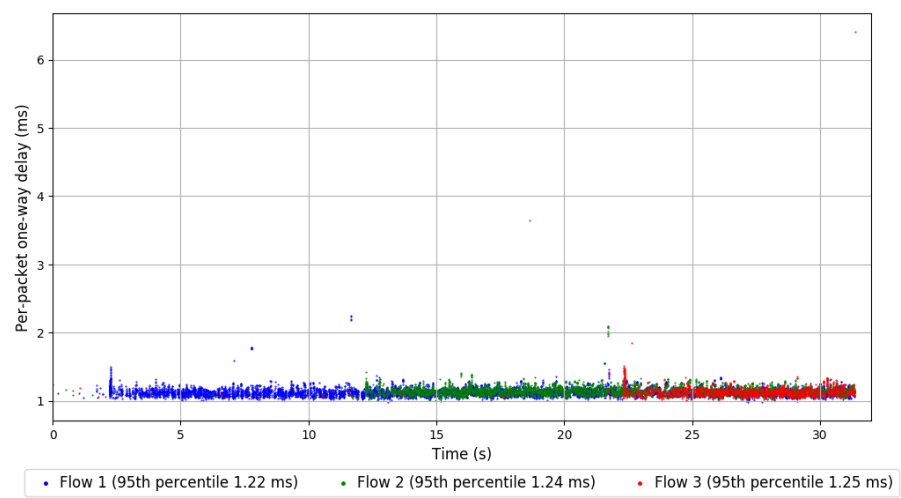
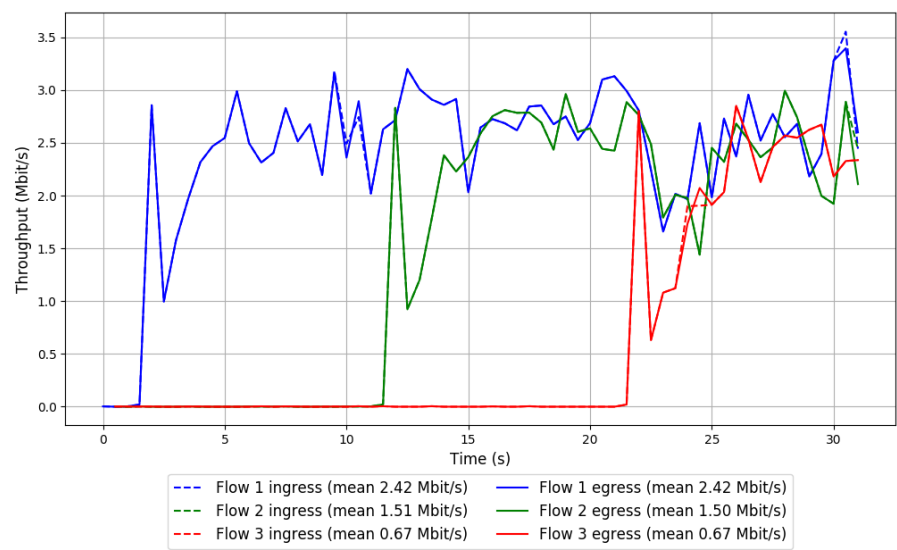


Run 5: Statistics of WebRTC media

Start at: 2017-10-12 05:15:36
End at: 2017-10-12 05:16:06
Local clock offset: 1.513 ms
Remote clock offset: -1.269 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

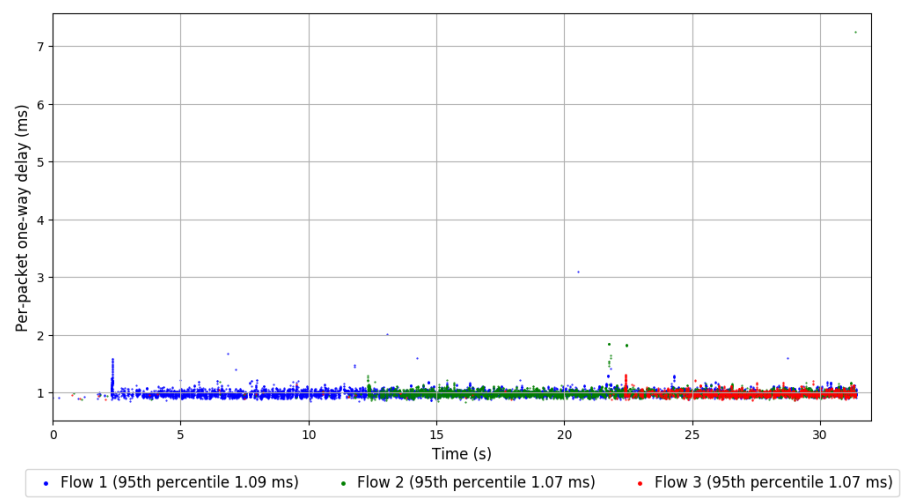
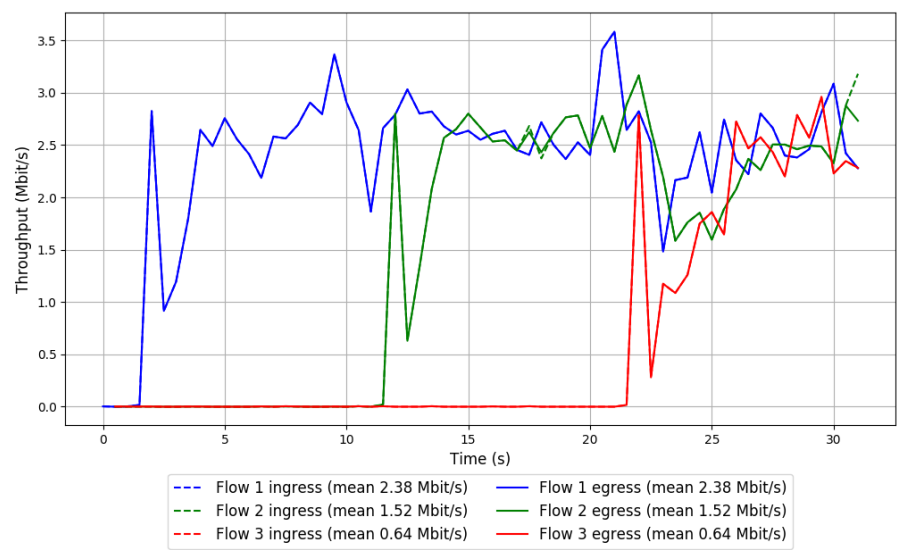


Run 6: Statistics of WebRTC media

Start at: 2017-10-12 05:36:54
End at: 2017-10-12 05:37:24
Local clock offset: 1.574 ms
Remote clock offset: -1.061 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

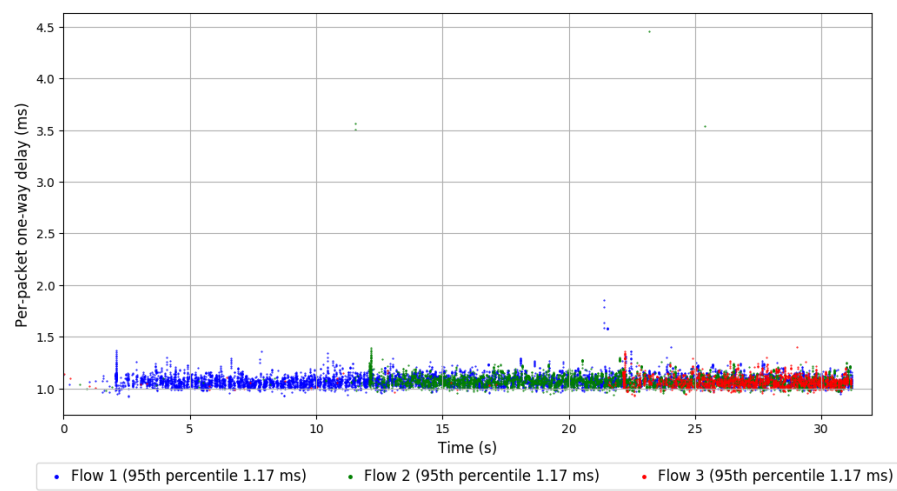
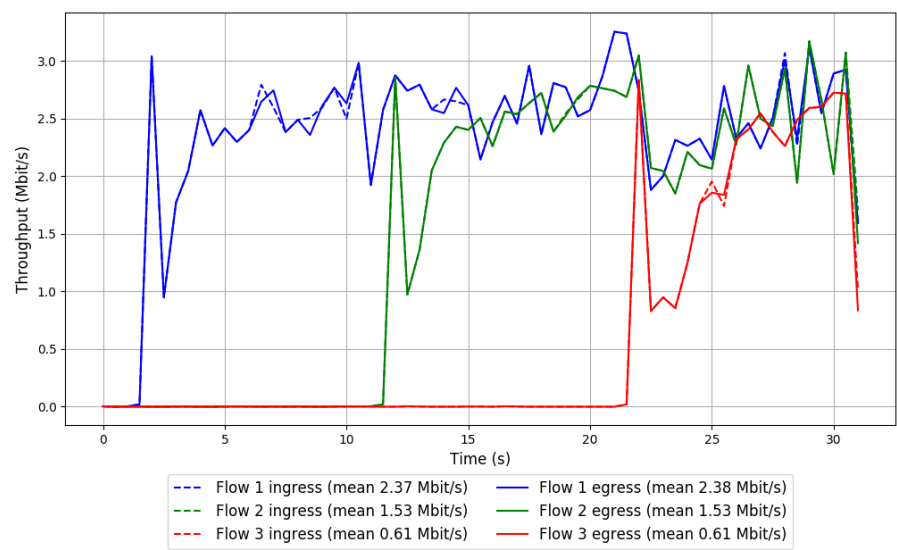


Run 7: Statistics of WebRTC media

Start at: 2017-10-12 05:58:13
End at: 2017-10-12 05:58:43
Local clock offset: 1.512 ms
Remote clock offset: -1.062 ms

```
# Below is generated by plot.py at 2017-10-12 11:49:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.46%
```

Run 7: Report of WebRTC media — Data Link

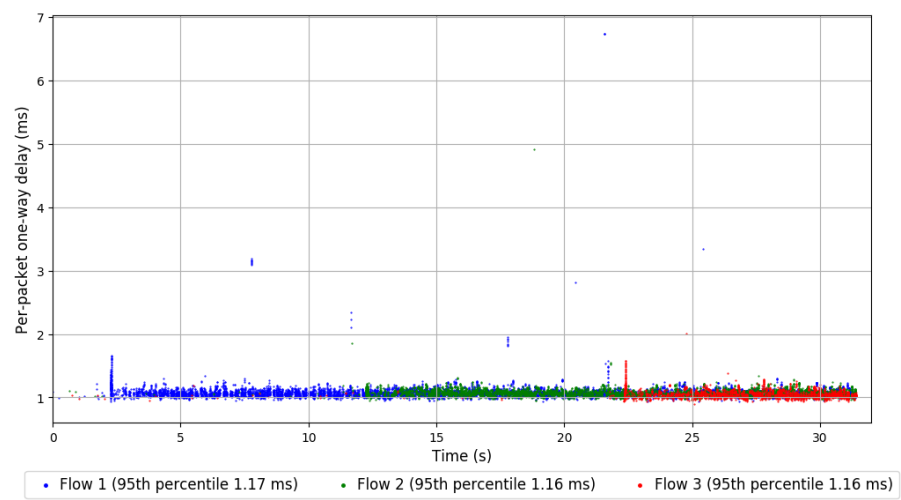
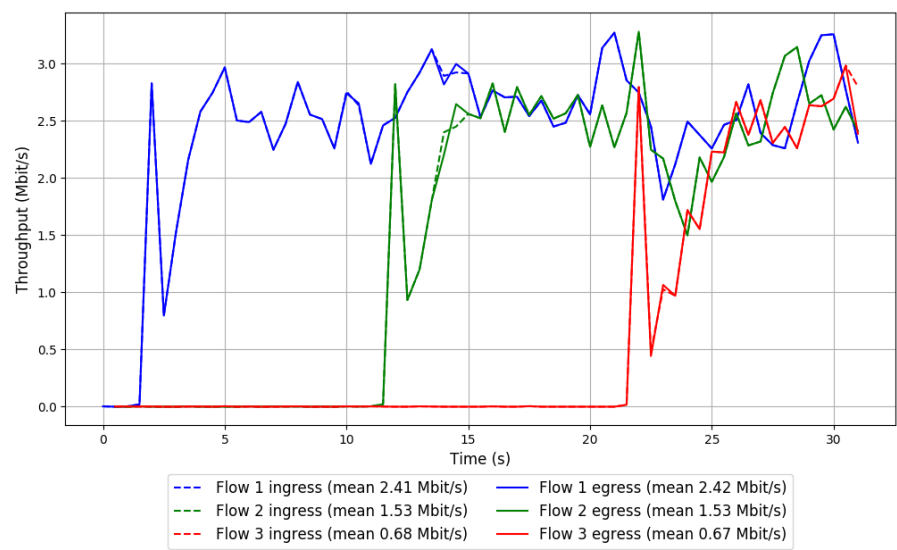


Run 8: Statistics of WebRTC media

Start at: 2017-10-12 06:19:20
End at: 2017-10-12 06:19:50
Local clock offset: 1.411 ms
Remote clock offset: -1.464 ms

```
# Below is generated by plot.py at 2017-10-12 11:49:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.99%
```

Run 8: Report of WebRTC media — Data Link

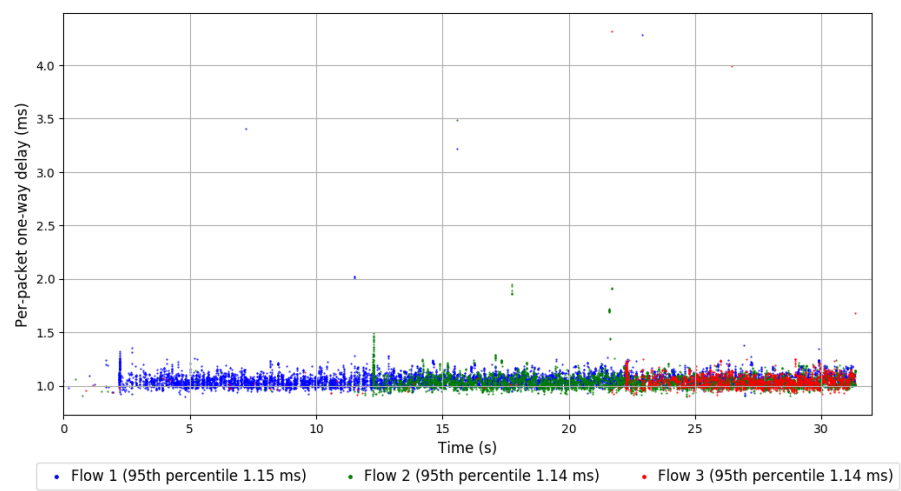
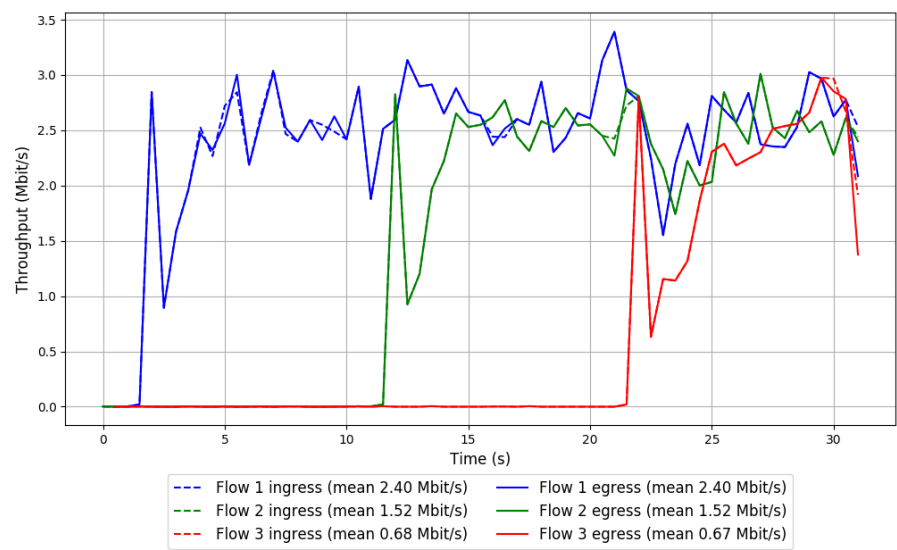


Run 9: Statistics of WebRTC media

Start at: 2017-10-12 06:40:33
End at: 2017-10-12 06:41:03
Local clock offset: 1.176 ms
Remote clock offset: -1.359 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 1.31%

Run 9: Report of WebRTC media — Data Link

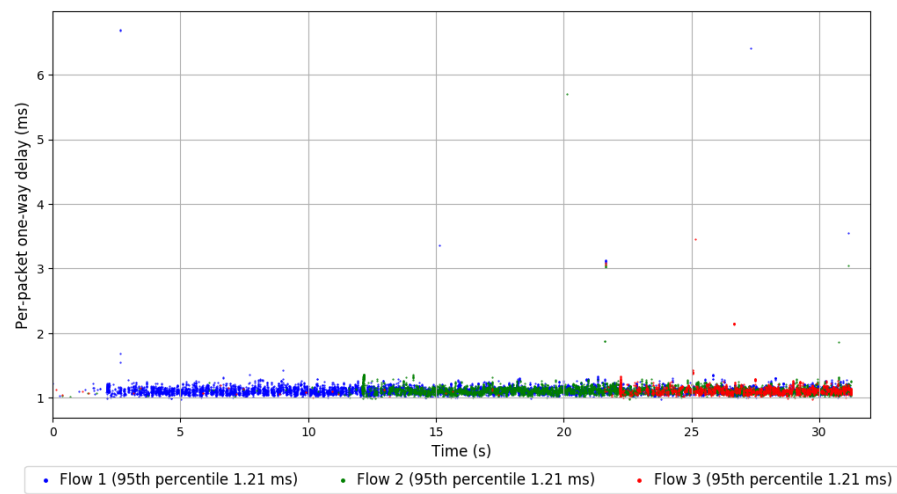
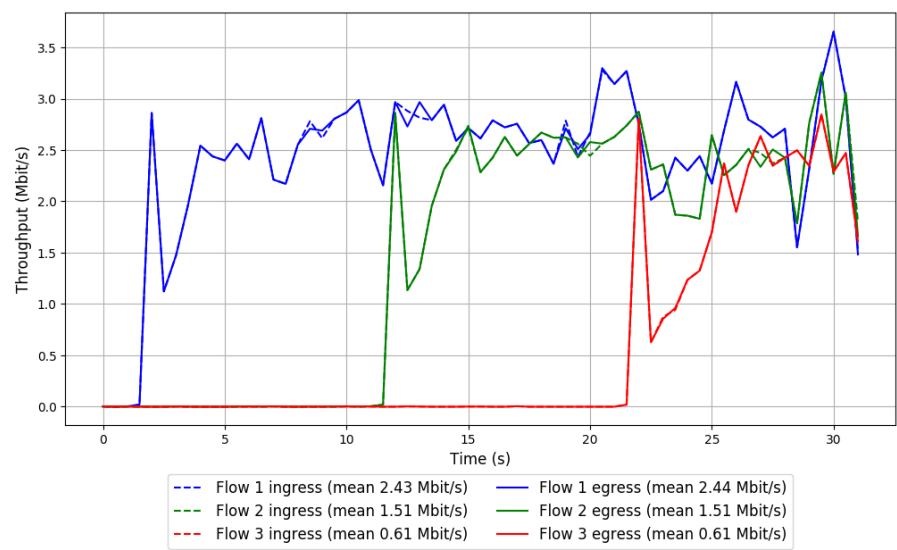


Run 10: Statistics of WebRTC media

Start at: 2017-10-12 07:01:46
End at: 2017-10-12 07:02:16
Local clock offset: 1.424 ms
Remote clock offset: -1.136 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.01%

Run 10: Report of WebRTC media — Data Link

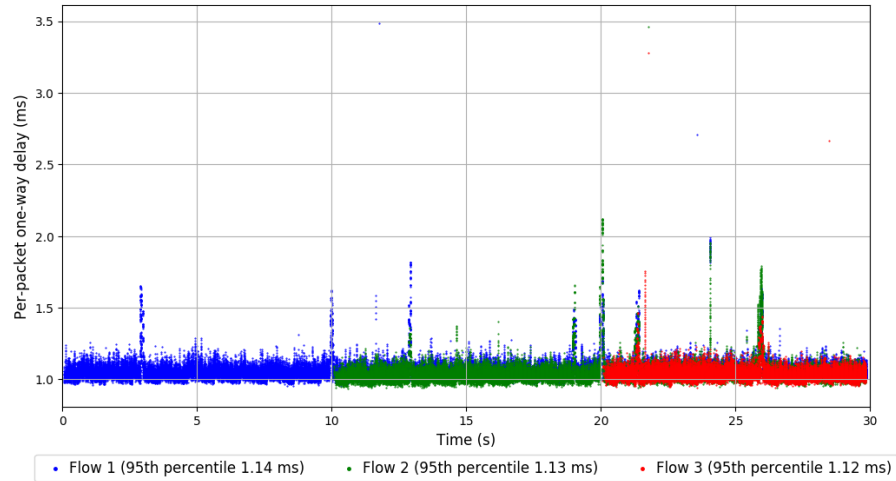
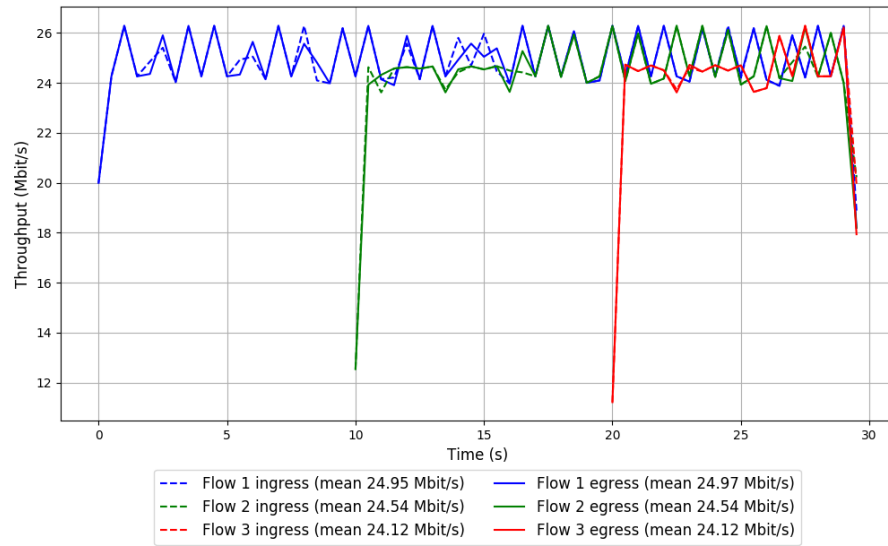


Run 1: Statistics of Sprout

Start at: 2017-10-12 03:54:52
End at: 2017-10-12 03:55:22
Local clock offset: 1.037 ms
Remote clock offset: -2.929 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.42%

Run 1: Report of Sprout — Data Link

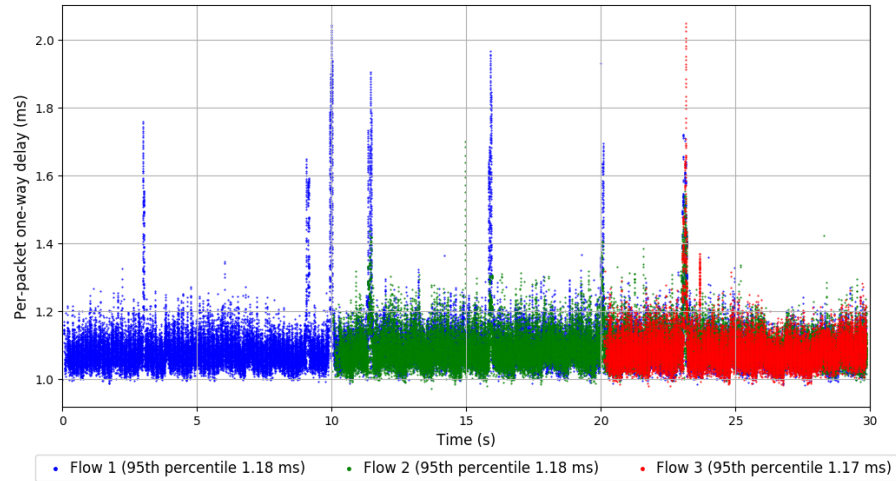
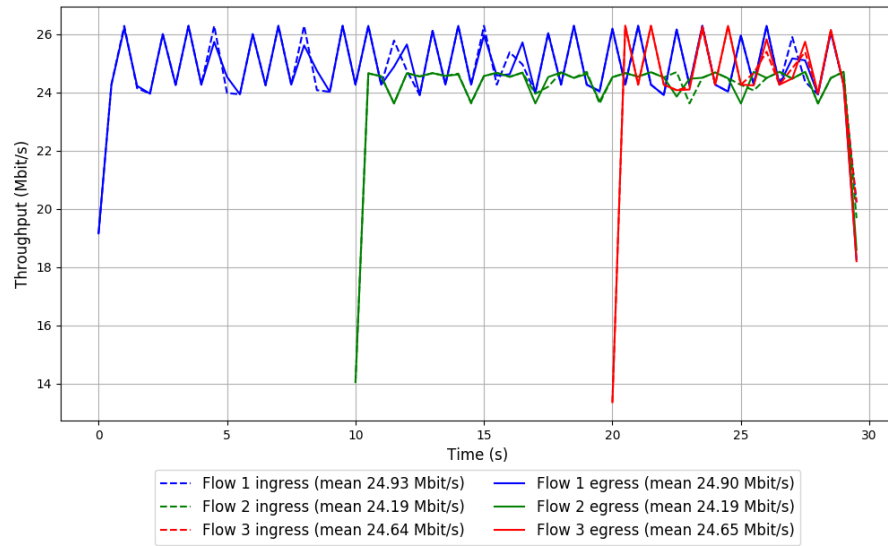


Run 2: Statistics of Sprout

Start at: 2017-10-12 04:16:02
End at: 2017-10-12 04:16:32
Local clock offset: 1.172 ms
Remote clock offset: -2.307 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.42%

Run 2: Report of Sprout — Data Link

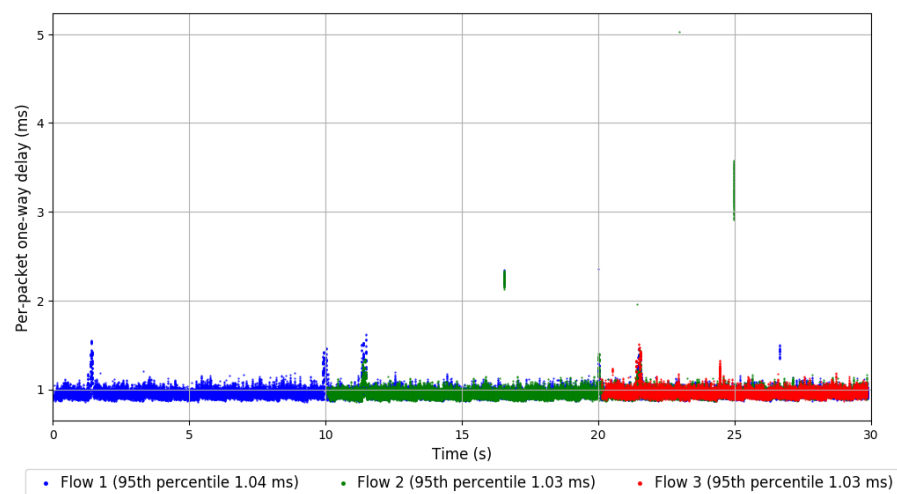
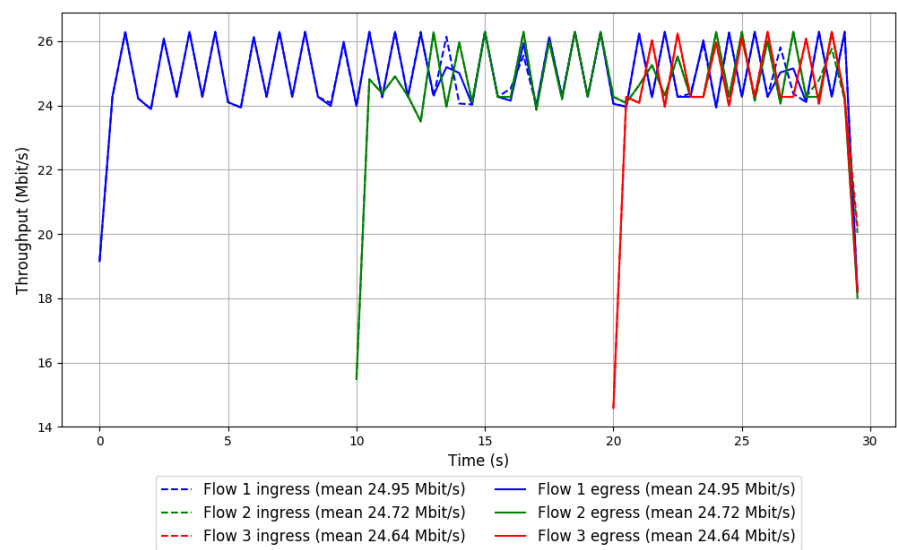


Run 3: Statistics of Sprout

Start at: 2017-10-12 04:37:23
End at: 2017-10-12 04:37:53
Local clock offset: 1.232 ms
Remote clock offset: -1.732 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.42%

Run 3: Report of Sprout — Data Link

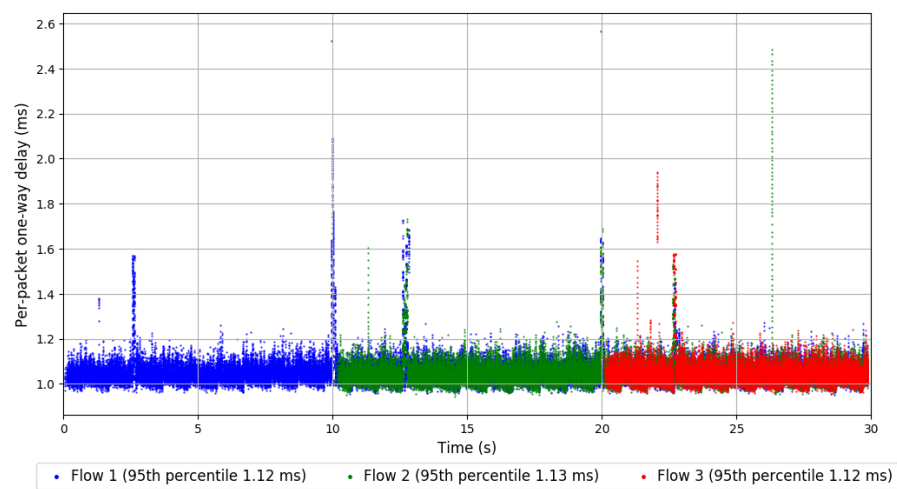
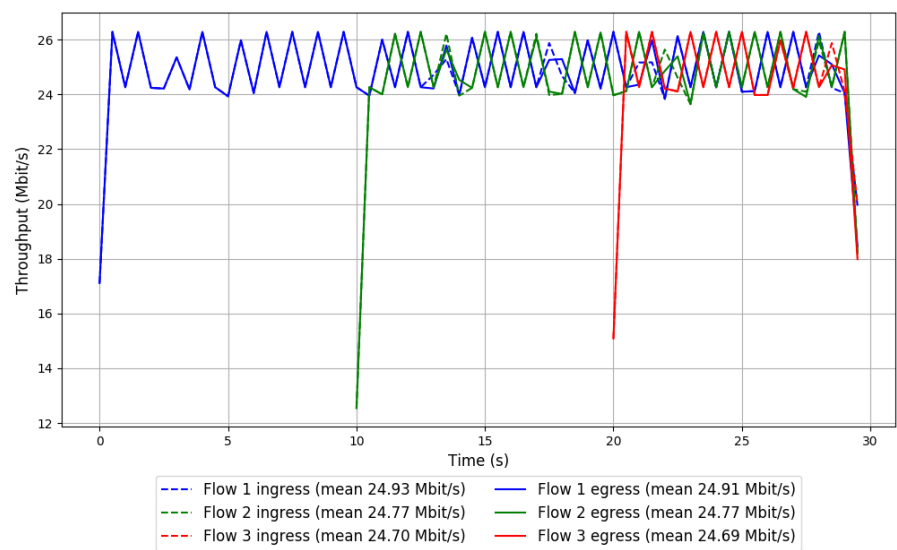


Run 4: Statistics of Sprout

Start at: 2017-10-12 04:58:42
End at: 2017-10-12 04:59:12
Local clock offset: 1.4 ms
Remote clock offset: -1.421 ms

```
# Below is generated by plot.py at 2017-10-12 11:49:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.46 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.42%
```

Run 4: Report of Sprout — Data Link

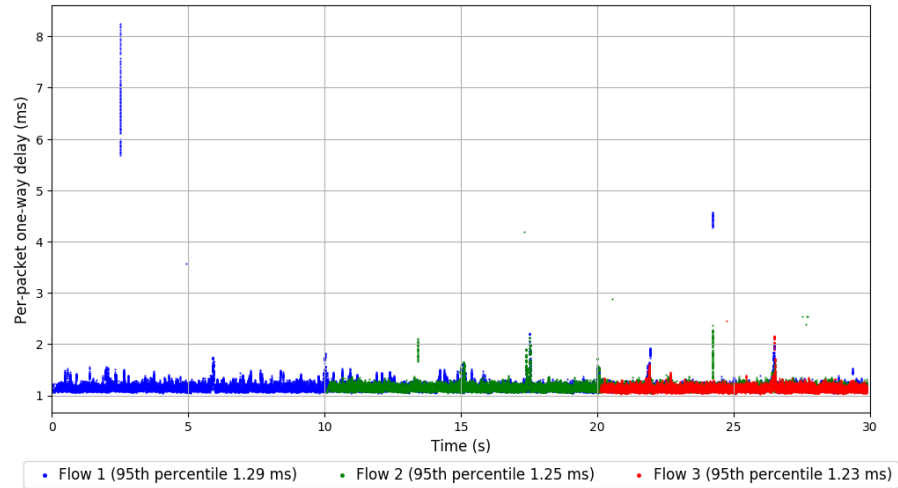
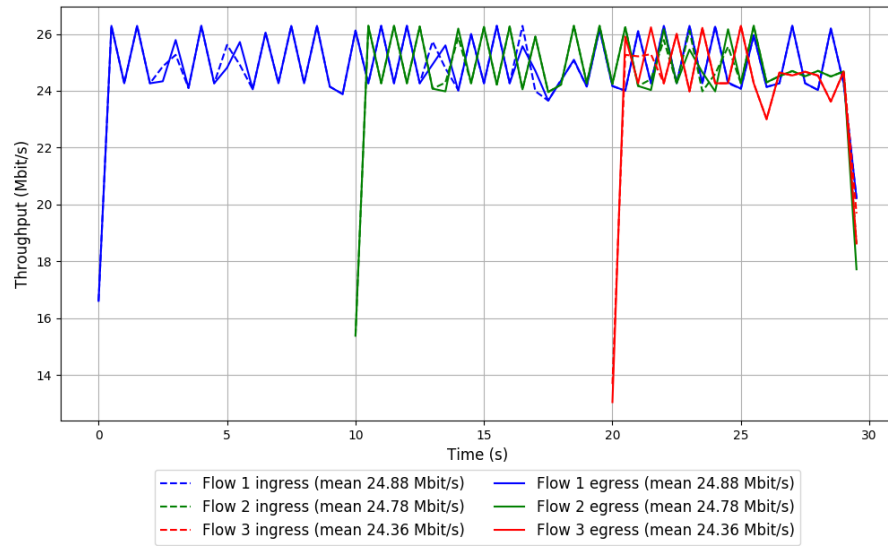


Run 5: Statistics of Sprout

Start at: 2017-10-12 05:19:59
End at: 2017-10-12 05:20:29
Local clock offset: 1.542 ms
Remote clock offset: -1.233 ms

```
# Below is generated by plot.py at 2017-10-12 11:49:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.22%
```

Run 5: Report of Sprout — Data Link

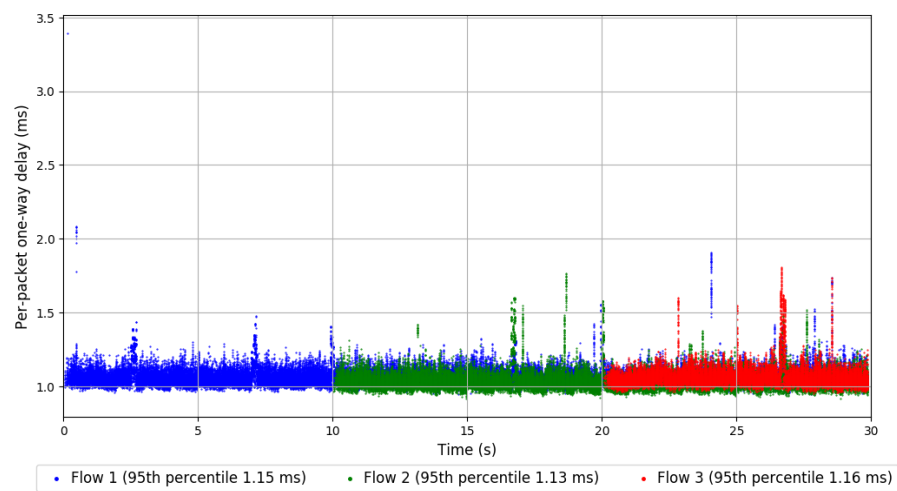
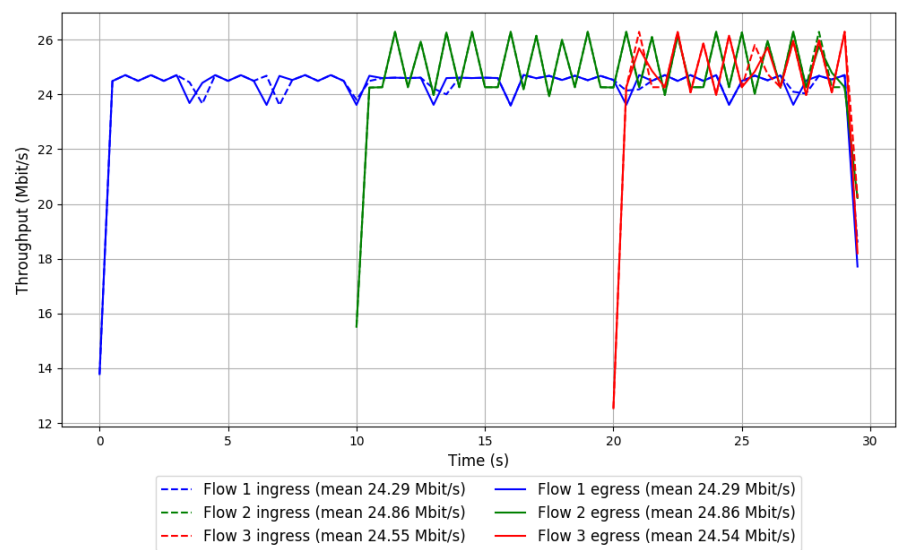


Run 6: Statistics of Sprout

Start at: 2017-10-12 05:41:18
End at: 2017-10-12 05:41:48
Local clock offset: 1.535 ms
Remote clock offset: -1.081 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.42%

Run 6: Report of Sprout — Data Link

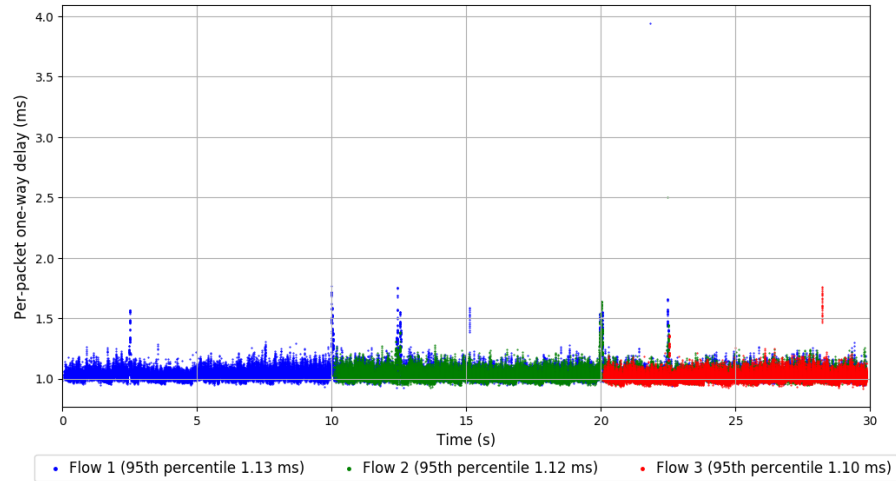
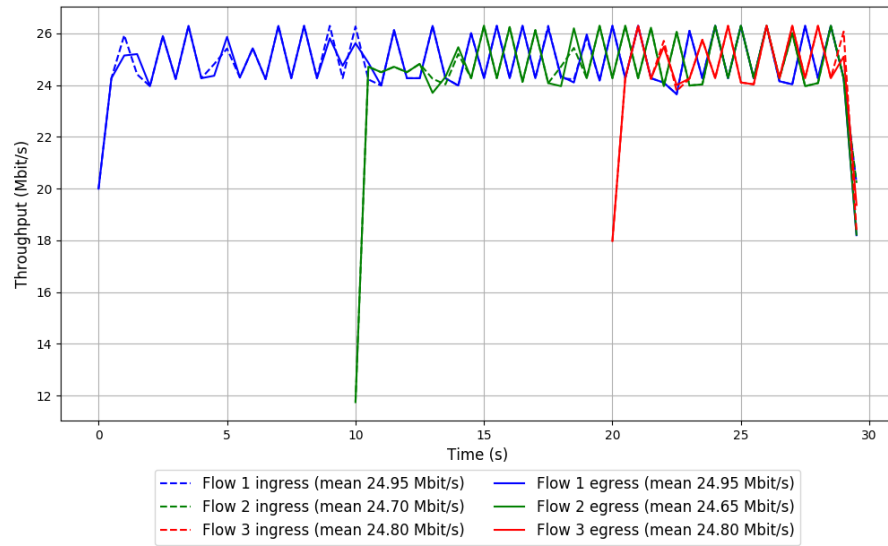


Run 7: Statistics of Sprout

Start at: 2017-10-12 06:02:35
End at: 2017-10-12 06:03:05
Local clock offset: 1.471 ms
Remote clock offset: -1.158 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

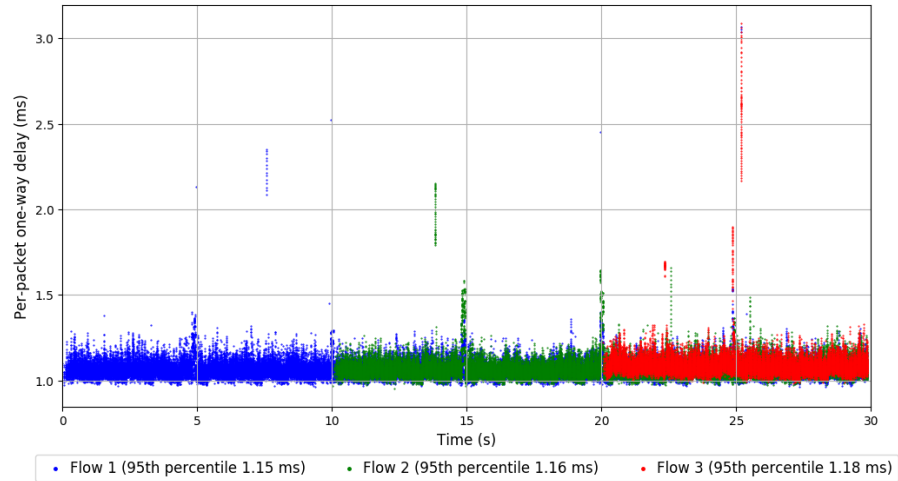
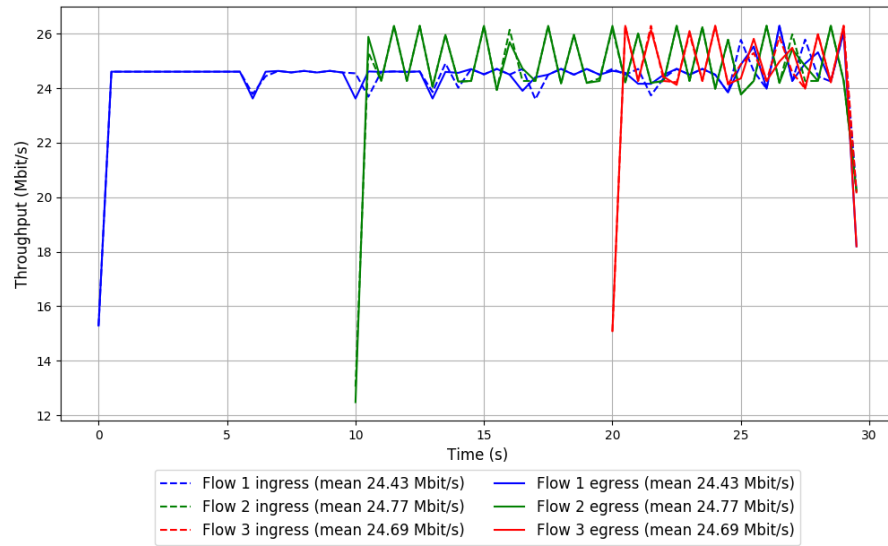


Run 8: Statistics of Sprout

Start at: 2017-10-12 06:23:43
End at: 2017-10-12 06:24:13
Local clock offset: 1.37 ms
Remote clock offset: -1.561 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.40%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-10-12 06:44:58

End at: 2017-10-12 06:45:28

Local clock offset: 1.15 ms

Remote clock offset: -1.22 ms

Below is generated by plot.py at 2017-10-12 11:49:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.33 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 24.93 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.57 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.10%

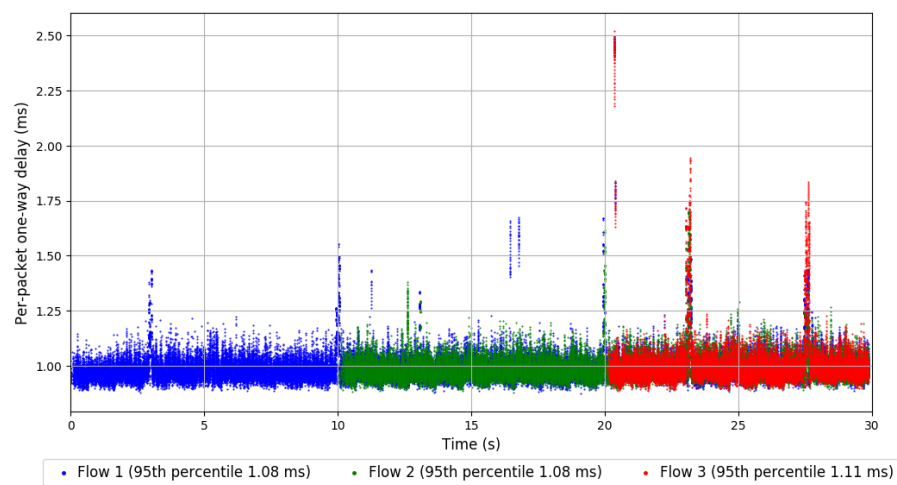
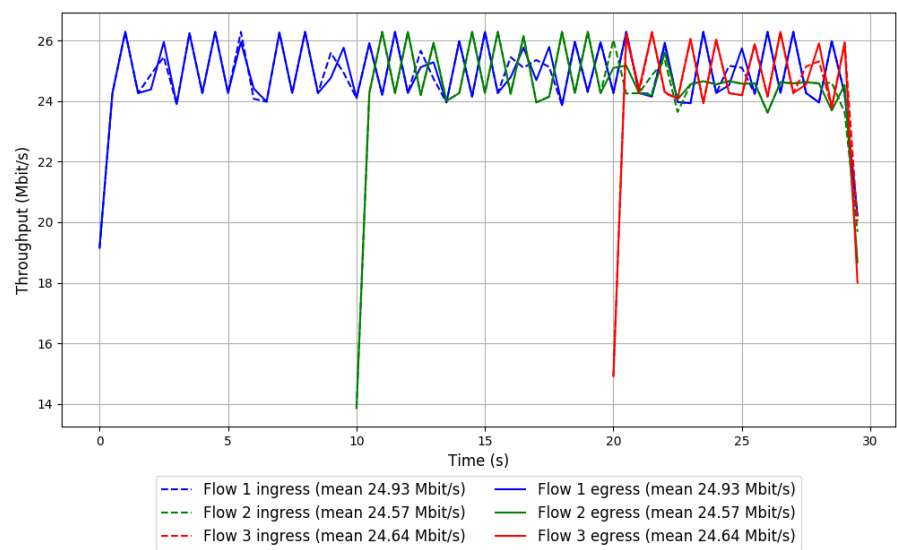
-- Flow 3:

Average throughput: 24.64 Mbit/s

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

Loss rate: 0.42%

Run 9: Report of Sprout — Data Link

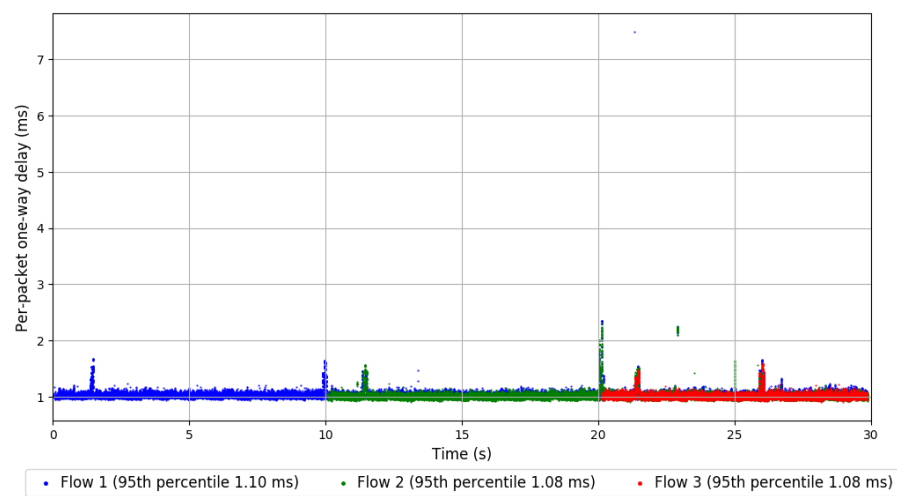
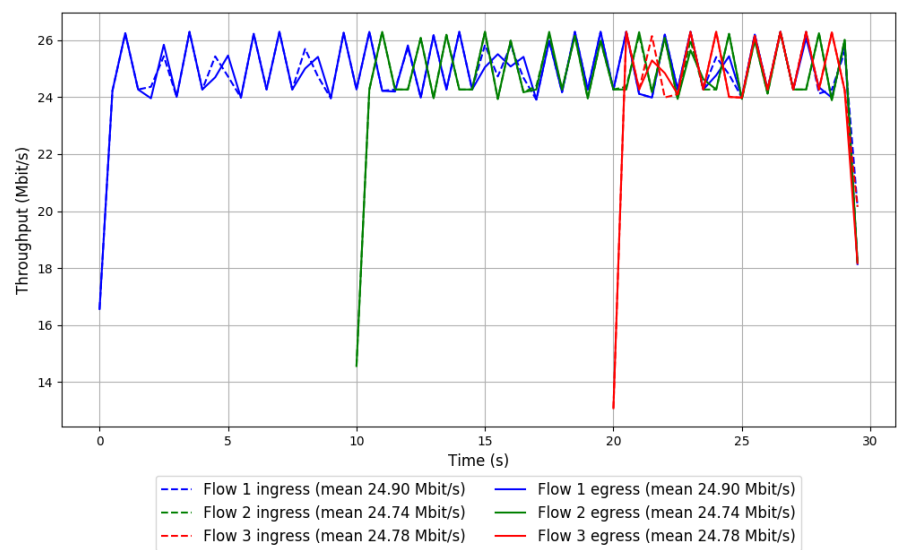


Run 10: Statistics of Sprout

Start at: 2017-10-12 07:05:59
End at: 2017-10-12 07:06:29
Local clock offset: 1.474 ms
Remote clock offset: -0.982 ms

Below is generated by plot.py at 2017-10-12 11:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.42 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.41%

Run 10: Report of Sprout — Data Link

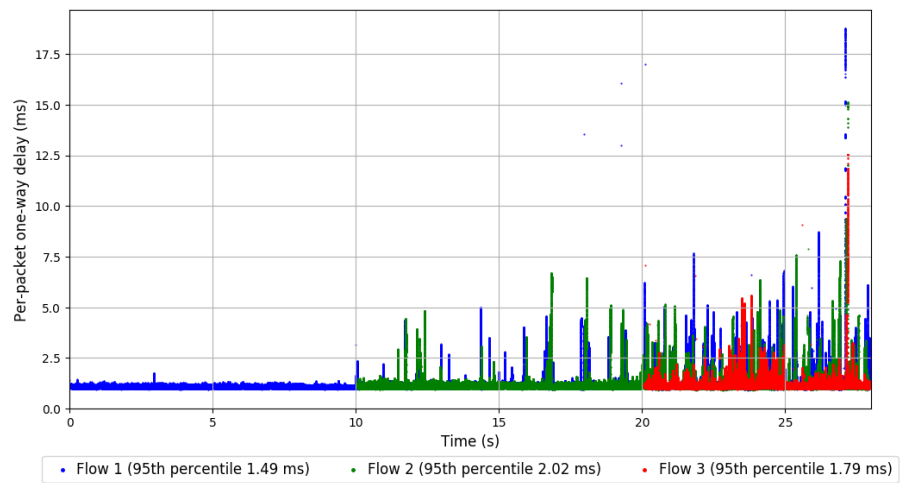
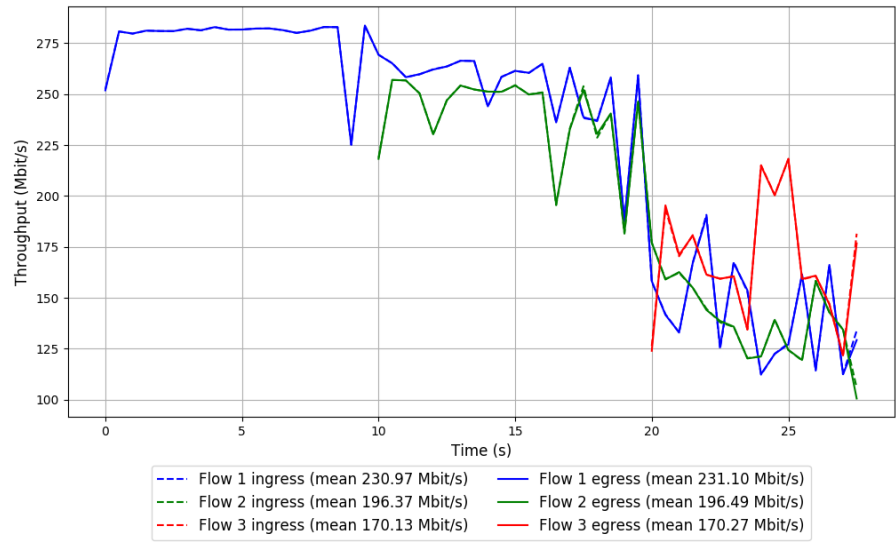


Run 1: Statistics of TaoVA-100x

Start at: 2017-10-12 03:39:49
End at: 2017-10-12 03:40:19
Local clock offset: 0.928 ms
Remote clock offset: -3.455 ms

Below is generated by plot.py at 2017-10-12 11:56:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.12 Mbit/s
95th percentile per-packet one-way delay: 1.708 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 231.10 Mbit/s
95th percentile per-packet one-way delay: 1.492 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 196.49 Mbit/s
95th percentile per-packet one-way delay: 2.015 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 170.27 Mbit/s
95th percentile per-packet one-way delay: 1.789 ms
Loss rate: 0.18%

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

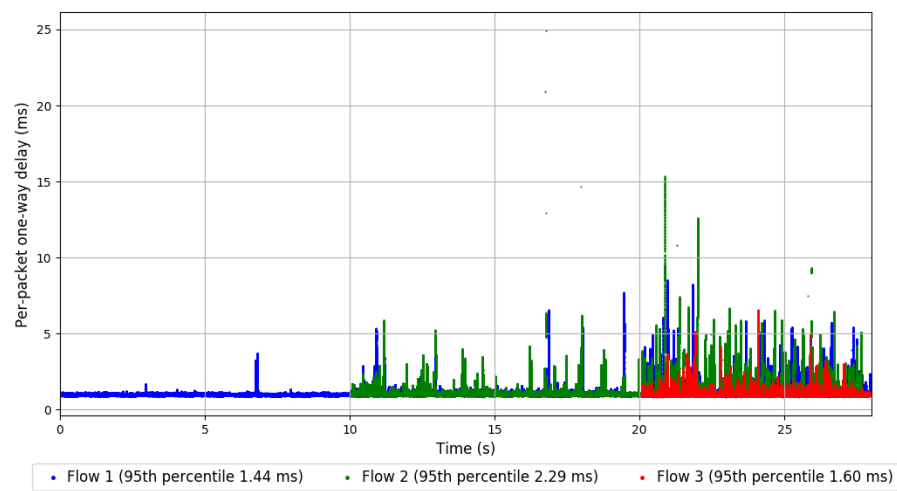
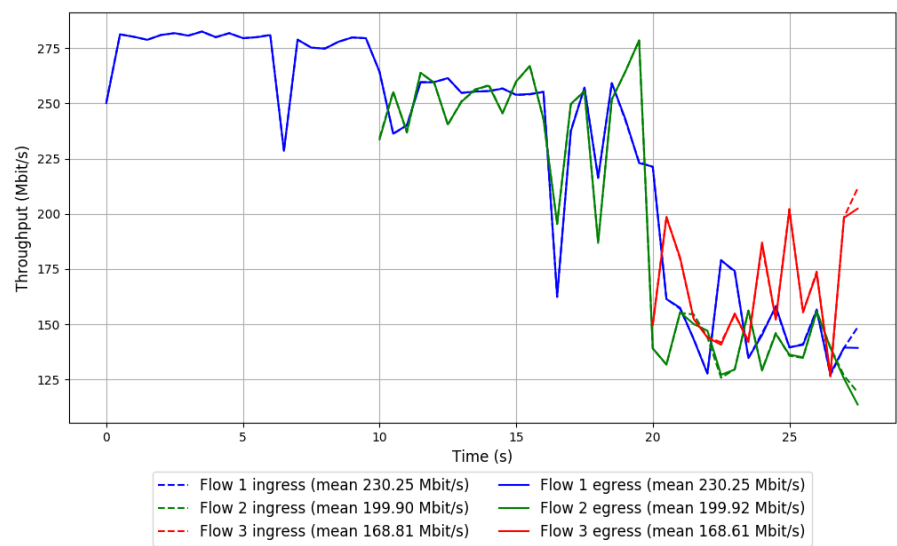


Run 2: Statistics of TaoVA-100x

Start at: 2017-10-12 04:00:51
End at: 2017-10-12 04:01:21
Local clock offset: 1.086 ms
Remote clock offset: -2.723 ms

Below is generated by plot.py at 2017-10-12 11:56:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.16 Mbit/s
95th percentile per-packet one-way delay: 1.706 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 230.25 Mbit/s
95th percentile per-packet one-way delay: 1.437 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 199.92 Mbit/s
95th percentile per-packet one-way delay: 2.288 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 168.61 Mbit/s
95th percentile per-packet one-way delay: 1.601 ms
Loss rate: 0.37%

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

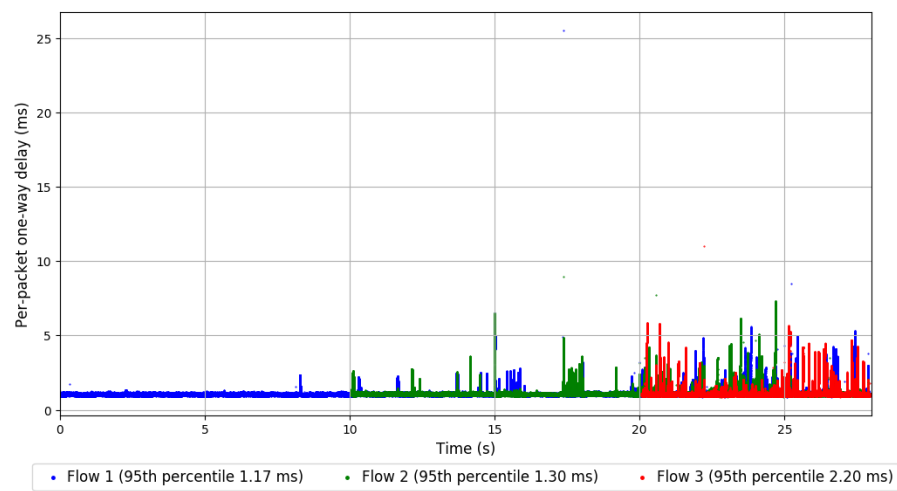
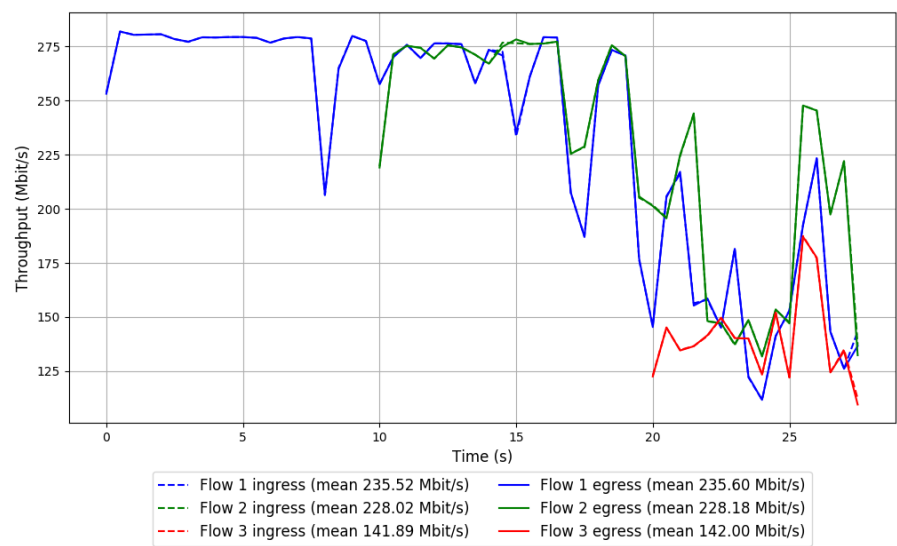


Run 3: Statistics of TaoVA-100x

Start at: 2017-10-12 04:22:09
End at: 2017-10-12 04:22:40
Local clock offset: 1.201 ms
Remote clock offset: -2.075 ms

Below is generated by plot.py at 2017-10-12 11:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.96 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 235.60 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 228.18 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 142.00 Mbit/s
95th percentile per-packet one-way delay: 2.204 ms
Loss rate: 0.17%

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

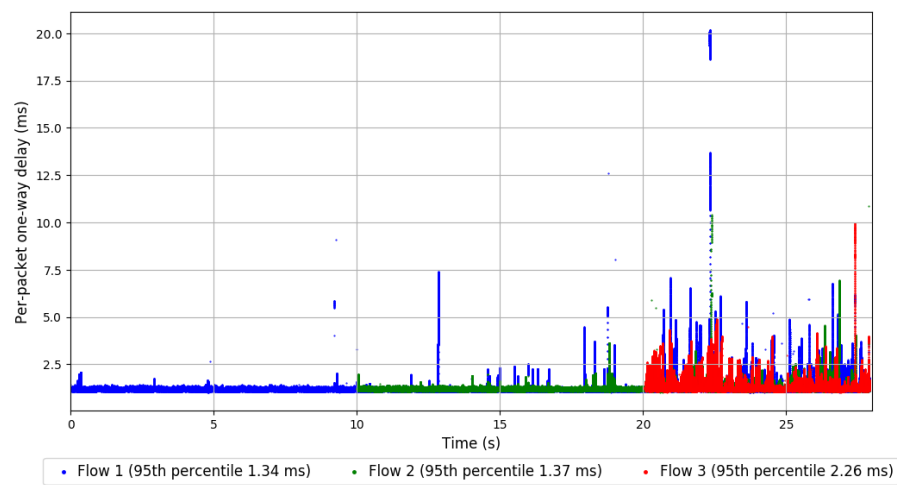
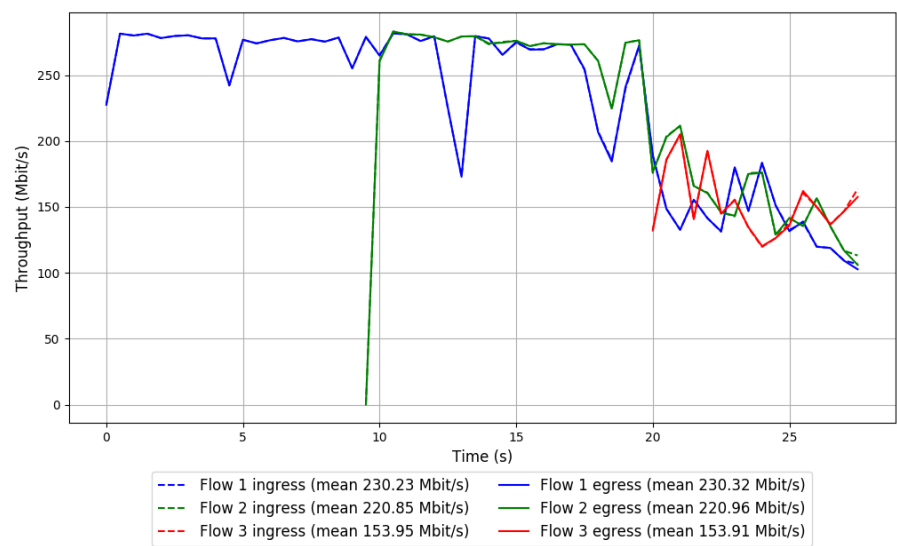


Run 4: Statistics of TaoVA-100x

Start at: 2017-10-12 04:43:29
End at: 2017-10-12 04:43:59
Local clock offset: 1.387 ms
Remote clock offset: -1.739 ms

Below is generated by plot.py at 2017-10-12 11:57:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 415.70 Mbit/s
95th percentile per-packet one-way delay: 1.490 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 230.32 Mbit/s
95th percentile per-packet one-way delay: 1.343 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 220.96 Mbit/s
95th percentile per-packet one-way delay: 1.366 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 153.91 Mbit/s
95th percentile per-packet one-way delay: 2.261 ms
Loss rate: 0.27%

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

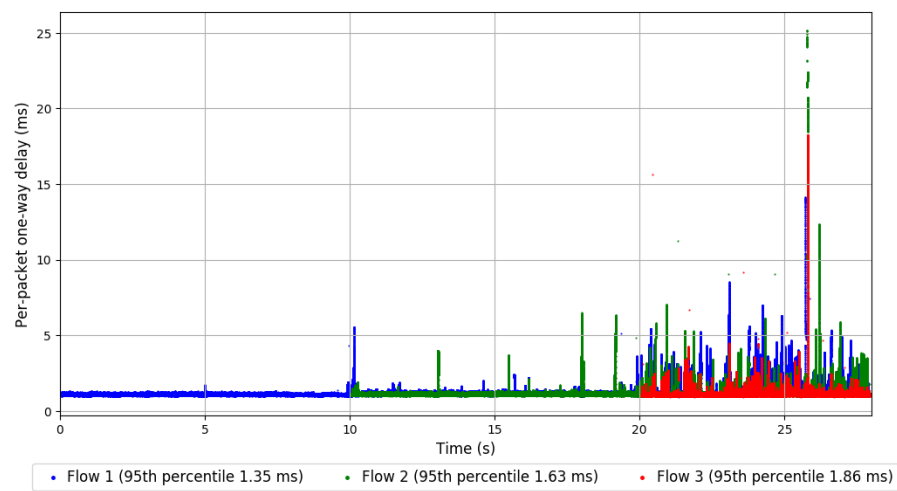
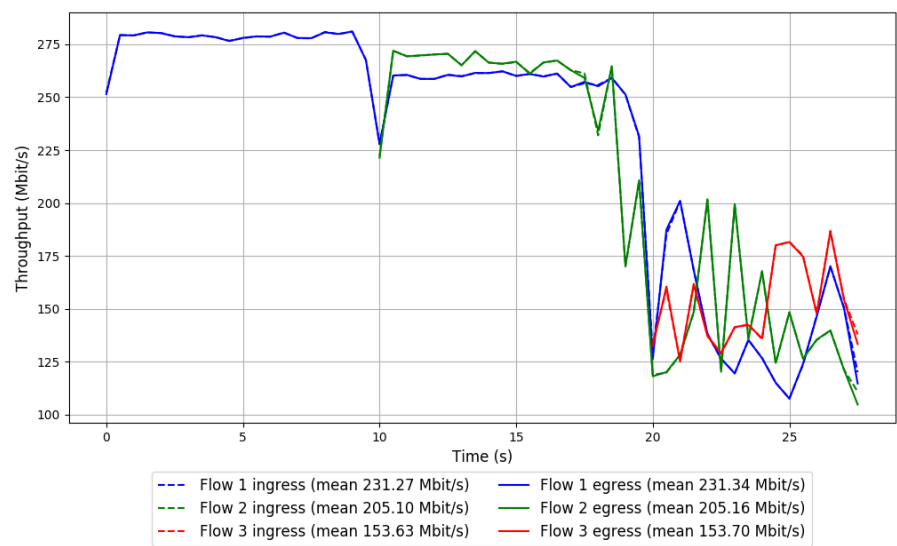


Run 5: Statistics of TaoVA-100x

Start at: 2017-10-12 05:04:48
End at: 2017-10-12 05:05:18
Local clock offset: 1.385 ms
Remote clock offset: -1.327 ms

Below is generated by plot.py at 2017-10-12 11:57:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.23 Mbit/s
95th percentile per-packet one-way delay: 1.512 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 231.34 Mbit/s
95th percentile per-packet one-way delay: 1.348 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 205.16 Mbit/s
95th percentile per-packet one-way delay: 1.631 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 153.70 Mbit/s
95th percentile per-packet one-way delay: 1.856 ms
Loss rate: 0.24%

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

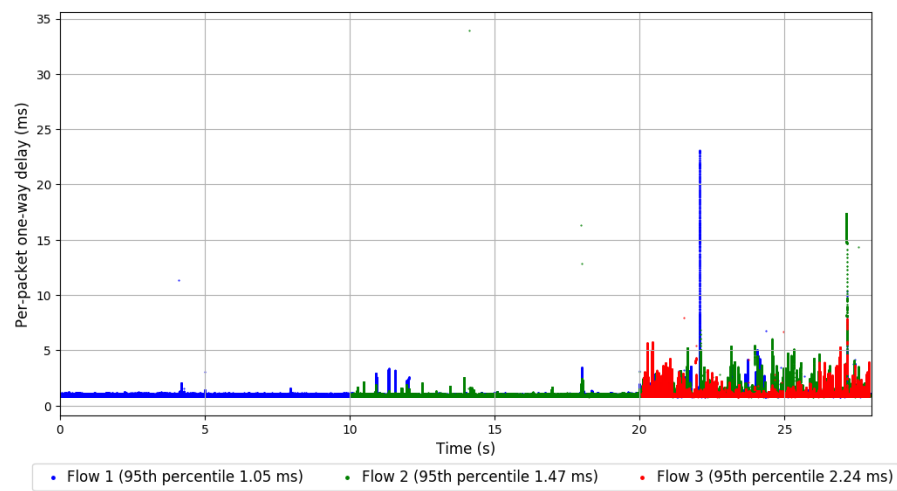
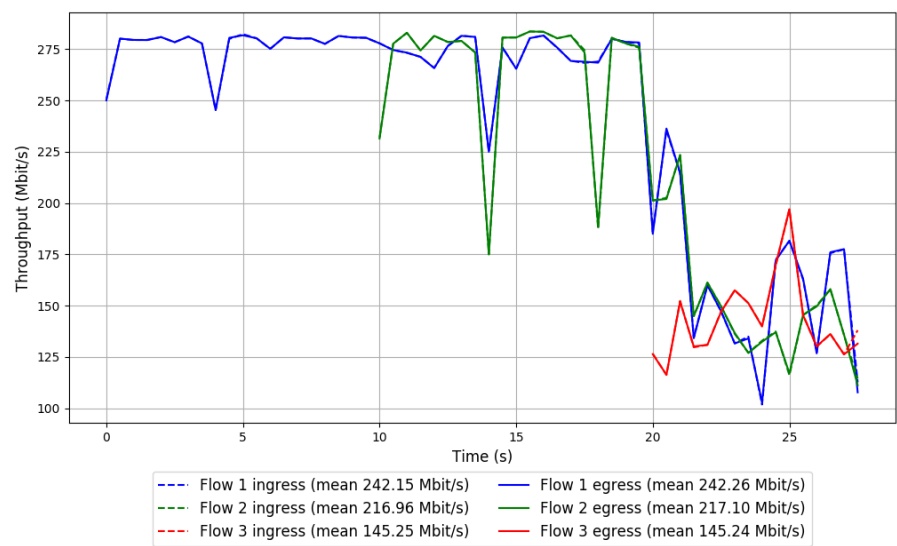


Run 6: Statistics of TaoVA-100x

Start at: 2017-10-12 05:26:04
End at: 2017-10-12 05:26:34
Local clock offset: 1.469 ms
Remote clock offset: -1.118 ms

Below is generated by plot.py at 2017-10-12 11:57:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.38 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 242.26 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 217.10 Mbit/s
95th percentile per-packet one-way delay: 1.468 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 145.24 Mbit/s
95th percentile per-packet one-way delay: 2.244 ms
Loss rate: 0.28%

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

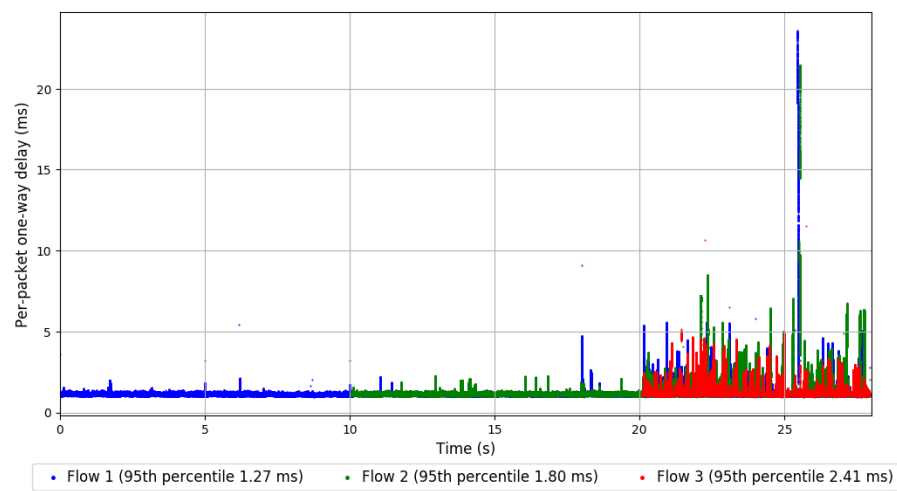
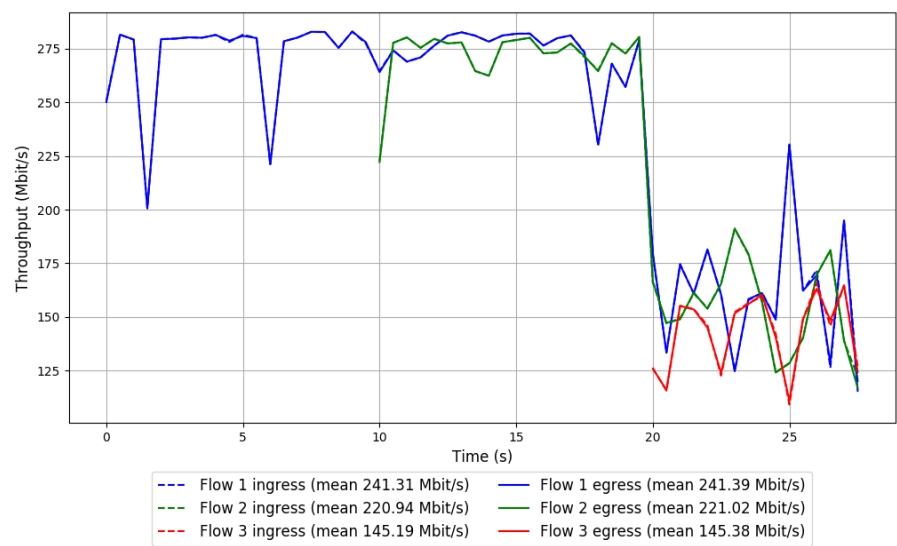


Run 7: Statistics of TaoVA-100x

Start at: 2017-10-12 05:47:26
End at: 2017-10-12 05:47:56
Local clock offset: 1.579 ms
Remote clock offset: -1.247 ms

Below is generated by plot.py at 2017-10-12 11:59:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 424.03 Mbit/s
95th percentile per-packet one-way delay: 1.622 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 241.39 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 221.02 Mbit/s
95th percentile per-packet one-way delay: 1.801 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 145.38 Mbit/s
95th percentile per-packet one-way delay: 2.413 ms
Loss rate: 0.13%

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

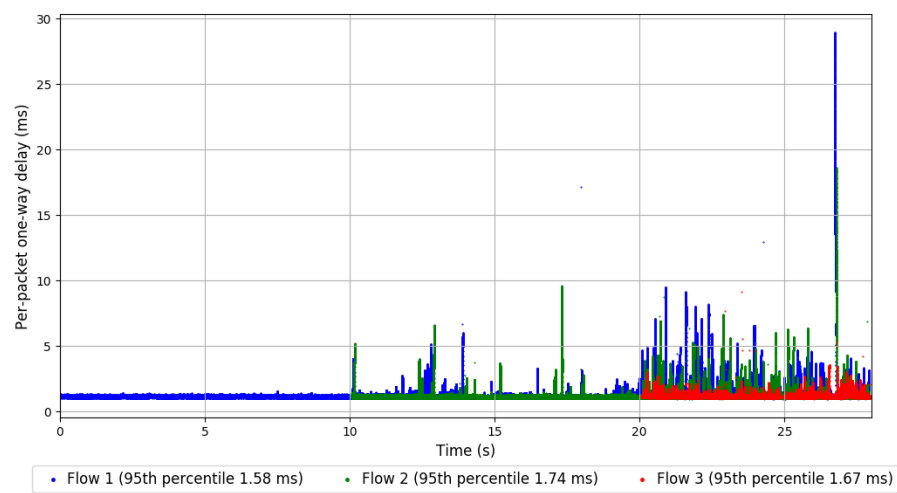
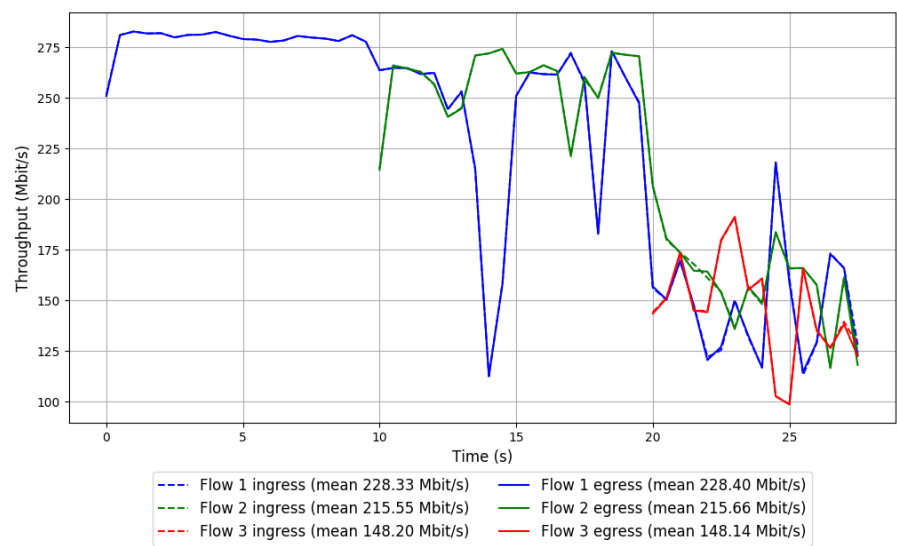


Run 8: Statistics of TaoVA-100x

Start at: 2017-10-12 06:08:42
End at: 2017-10-12 06:09:12
Local clock offset: 1.484 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2017-10-12 11:59:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.39 Mbit/s
95th percentile per-packet one-way delay: 1.640 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 228.40 Mbit/s
95th percentile per-packet one-way delay: 1.580 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 215.66 Mbit/s
95th percentile per-packet one-way delay: 1.736 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 148.14 Mbit/s
95th percentile per-packet one-way delay: 1.670 ms
Loss rate: 0.31%

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

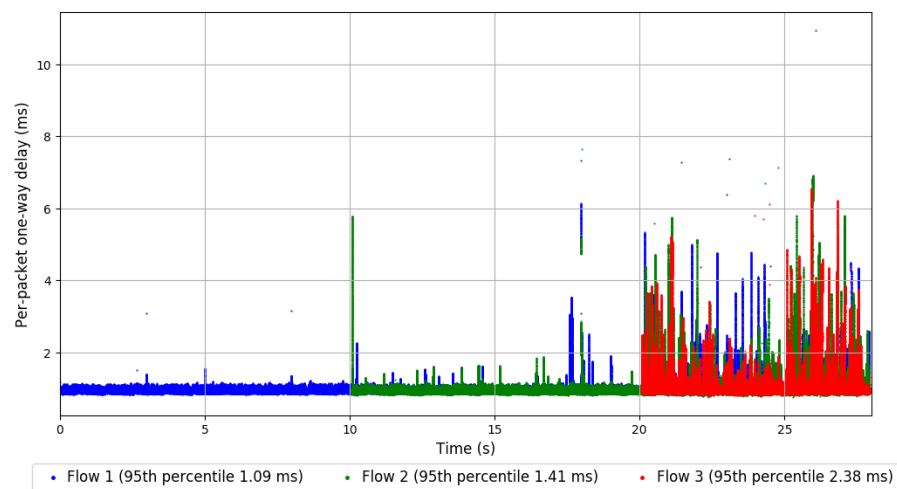
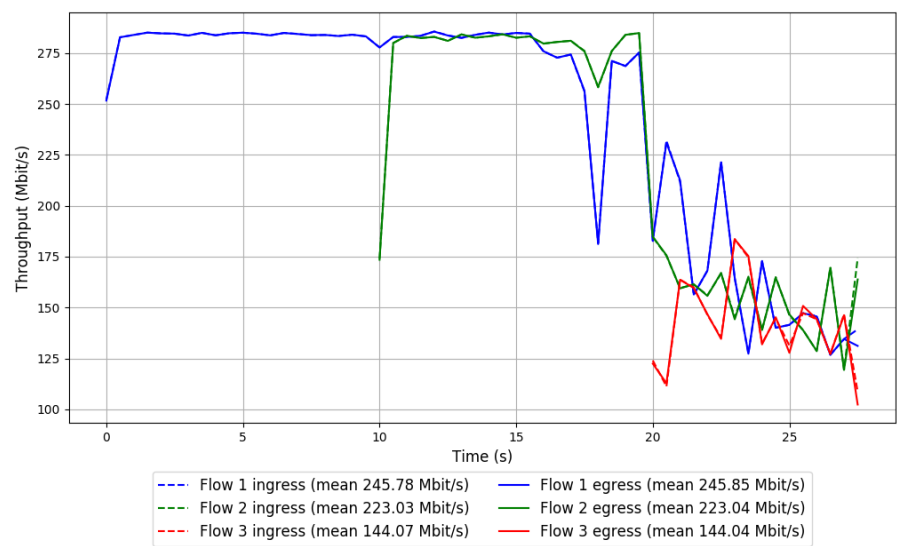


Run 9: Statistics of TaoVA-100x

Start at: 2017-10-12 06:29:46
End at: 2017-10-12 06:30:16
Local clock offset: 1.253 ms
Remote clock offset: -1.423 ms

Below is generated by plot.py at 2017-10-12 12:07:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.51 Mbit/s
95th percentile per-packet one-way delay: 1.344 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 245.85 Mbit/s
95th percentile per-packet one-way delay: 1.091 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 223.04 Mbit/s
95th percentile per-packet one-way delay: 1.414 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 144.04 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.30%

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

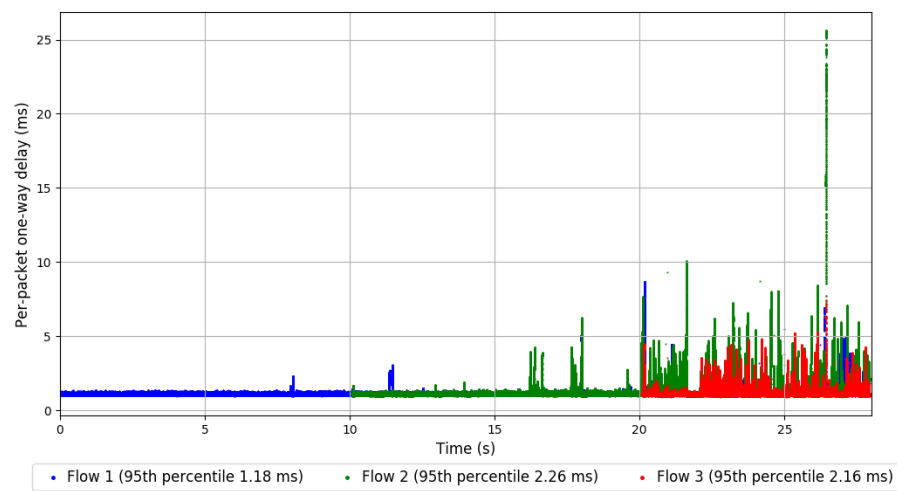
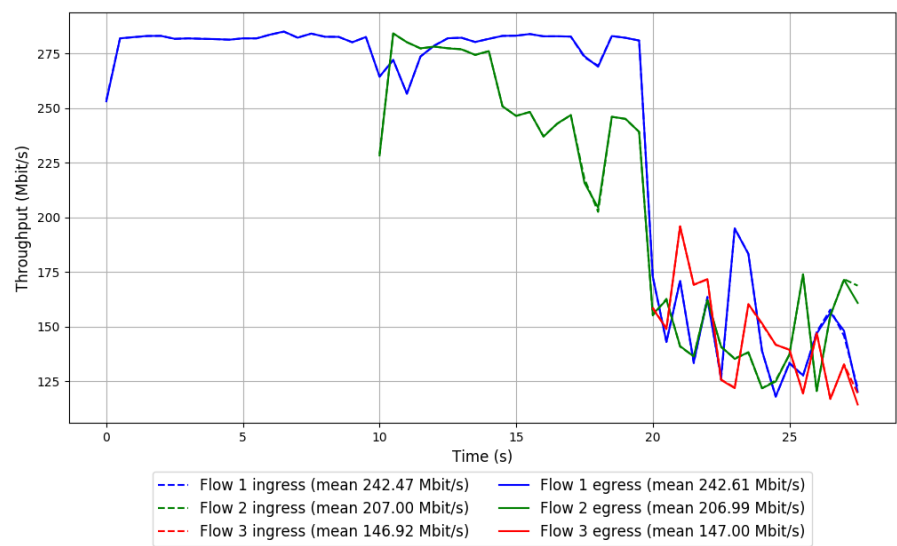


Run 10: Statistics of TaoVA-100x

Start at: 2017-10-12 06:51:00
End at: 2017-10-12 06:51:30
Local clock offset: 1.303 ms
Remote clock offset: -1.112 ms

Below is generated by plot.py at 2017-10-12 12:07:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.71 Mbit/s
95th percentile per-packet one-way delay: 1.487 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 242.61 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 206.99 Mbit/s
95th percentile per-packet one-way delay: 2.264 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 147.00 Mbit/s
95th percentile per-packet one-way delay: 2.164 ms
Loss rate: 0.23%

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

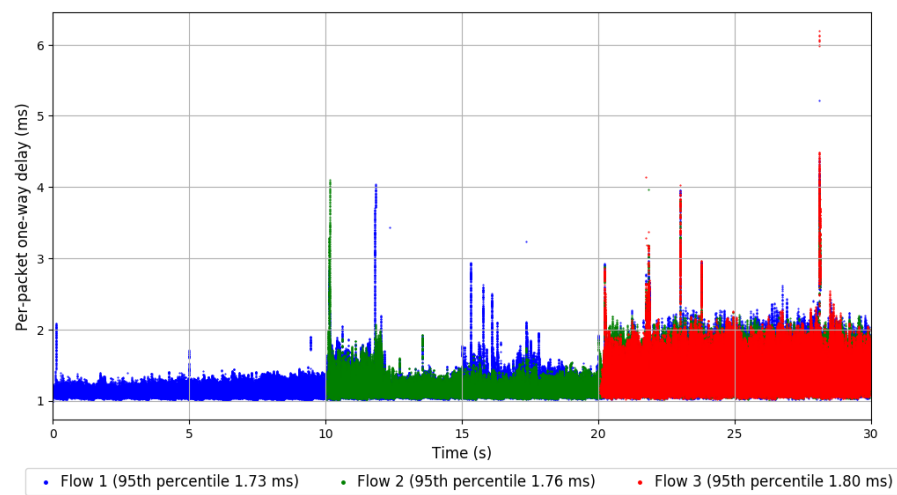
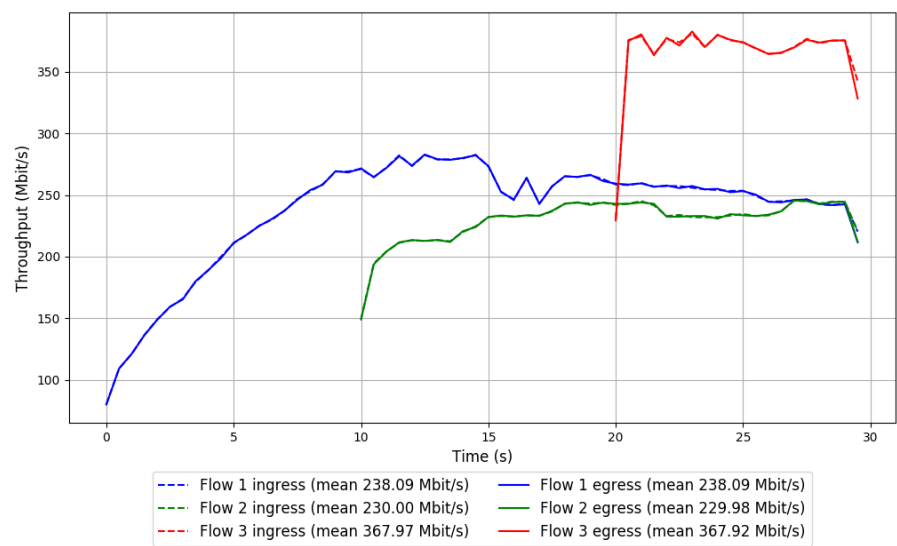


Run 1: Statistics of TCP Vegas

Start at: 2017-10-12 03:48:58
End at: 2017-10-12 03:49:28
Local clock offset: 1.074 ms
Remote clock offset: -3.181 ms

Below is generated by plot.py at 2017-10-12 12:07:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 512.75 Mbit/s
95th percentile per-packet one-way delay: 1.762 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 238.09 Mbit/s
95th percentile per-packet one-way delay: 1.732 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 229.98 Mbit/s
95th percentile per-packet one-way delay: 1.763 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 367.92 Mbit/s
95th percentile per-packet one-way delay: 1.798 ms
Loss rate: 0.21%

Run 1: Report of TCP Vegas — Data Link

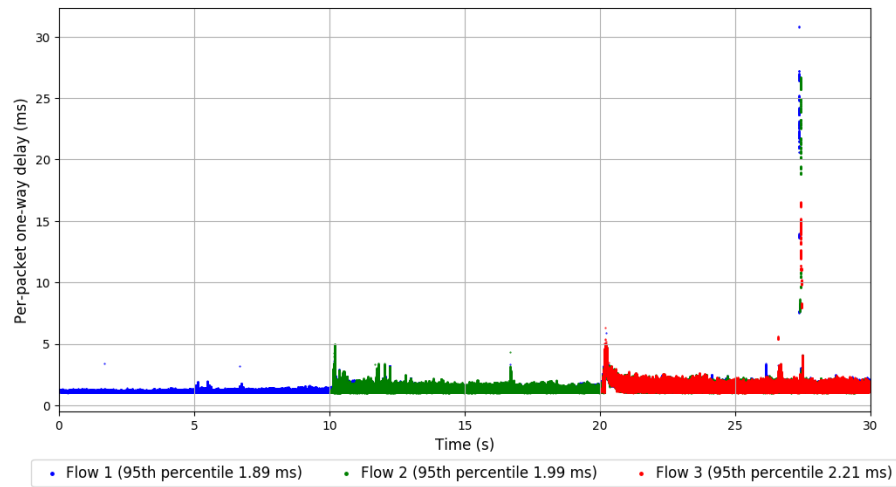
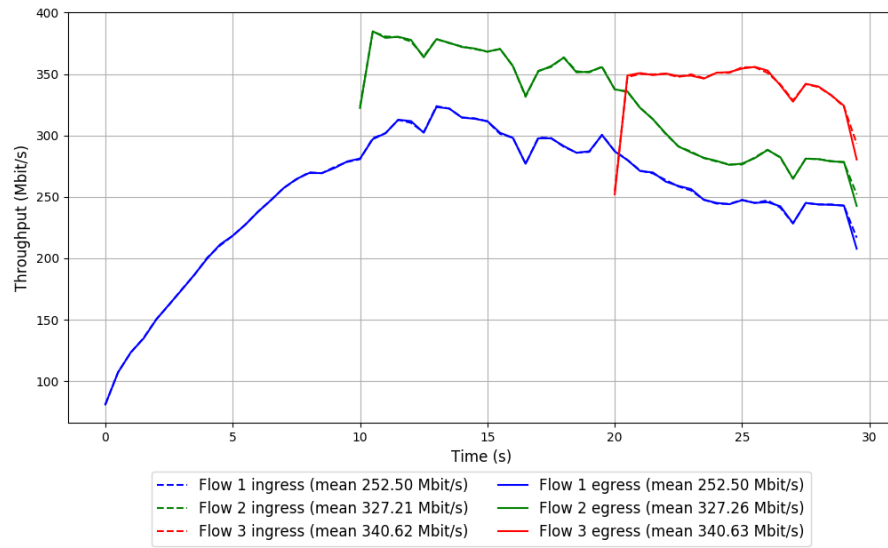


Run 2: Statistics of TCP Vegas

Start at: 2017-10-12 04:10:03
End at: 2017-10-12 04:10:33
Local clock offset: 1.26 ms
Remote clock offset: -2.463 ms

Below is generated by plot.py at 2017-10-12 12:07:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 583.10 Mbit/s
95th percentile per-packet one-way delay: 1.999 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 252.50 Mbit/s
95th percentile per-packet one-way delay: 1.889 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 327.26 Mbit/s
95th percentile per-packet one-way delay: 1.986 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 340.63 Mbit/s
95th percentile per-packet one-way delay: 2.206 ms
Loss rate: 0.20%

Run 2: Report of TCP Vegas — Data Link

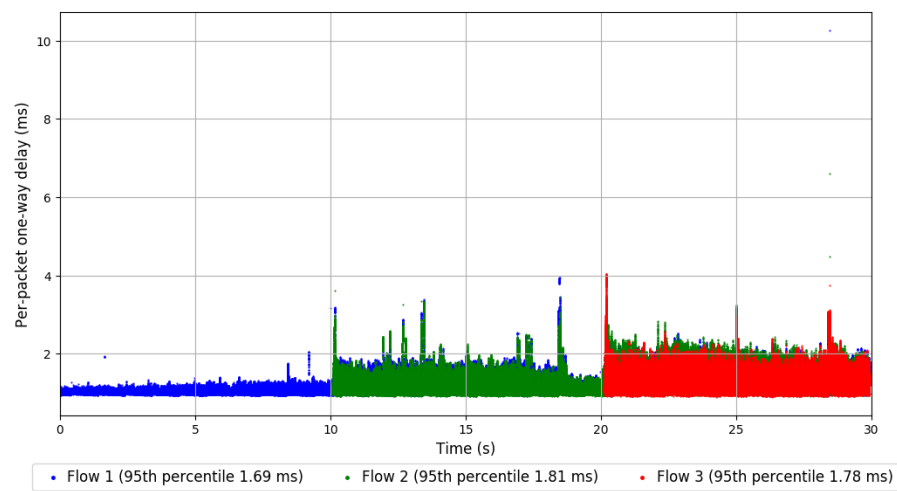
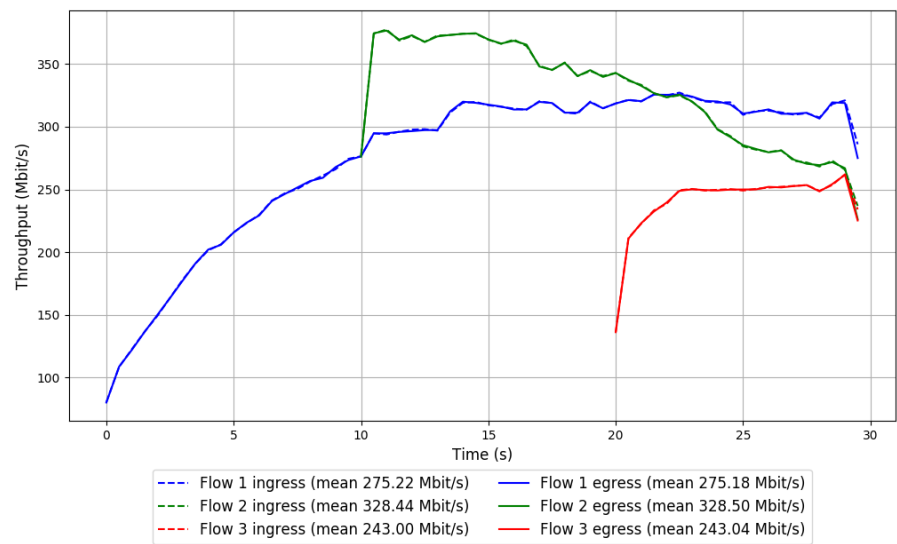


Run 3: Statistics of TCP Vegas

Start at: 2017-10-12 04:31:21
End at: 2017-10-12 04:31:51
Local clock offset: 1.226 ms
Remote clock offset: -1.848 ms

Below is generated by plot.py at 2017-10-12 12:07:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 573.87 Mbit/s
95th percentile per-packet one-way delay: 1.751 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 275.18 Mbit/s
95th percentile per-packet one-way delay: 1.689 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 328.50 Mbit/s
95th percentile per-packet one-way delay: 1.806 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 243.04 Mbit/s
95th percentile per-packet one-way delay: 1.780 ms
Loss rate: 0.21%

Run 3: Report of TCP Vegas — Data Link

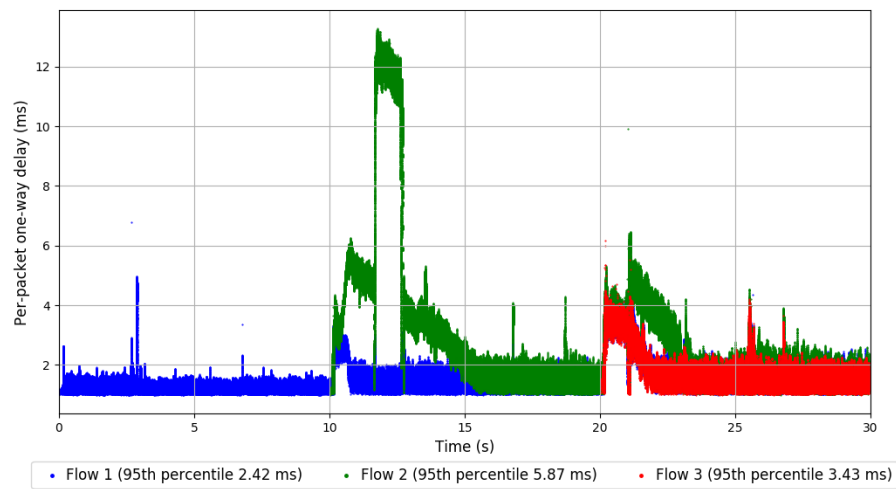
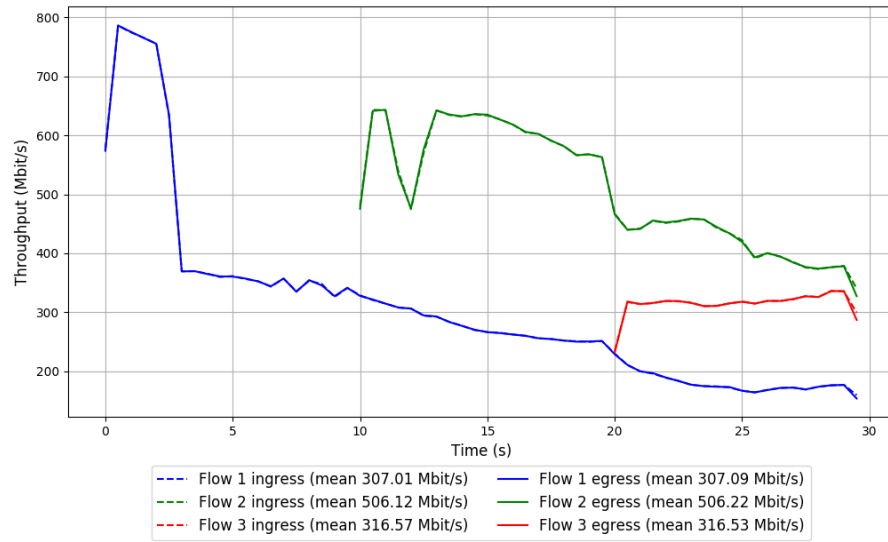


Run 4: Statistics of TCP Vegas

Start at: 2017-10-12 04:52:37
End at: 2017-10-12 04:53:07
Local clock offset: 1.387 ms
Remote clock offset: -1.594 ms

Below is generated by plot.py at 2017-10-12 12:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 748.89 Mbit/s
95th percentile per-packet one-way delay: 4.809 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 307.09 Mbit/s
95th percentile per-packet one-way delay: 2.420 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 506.22 Mbit/s
95th percentile per-packet one-way delay: 5.874 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 316.53 Mbit/s
95th percentile per-packet one-way delay: 3.433 ms
Loss rate: 0.21%

Run 4: Report of TCP Vegas — Data Link

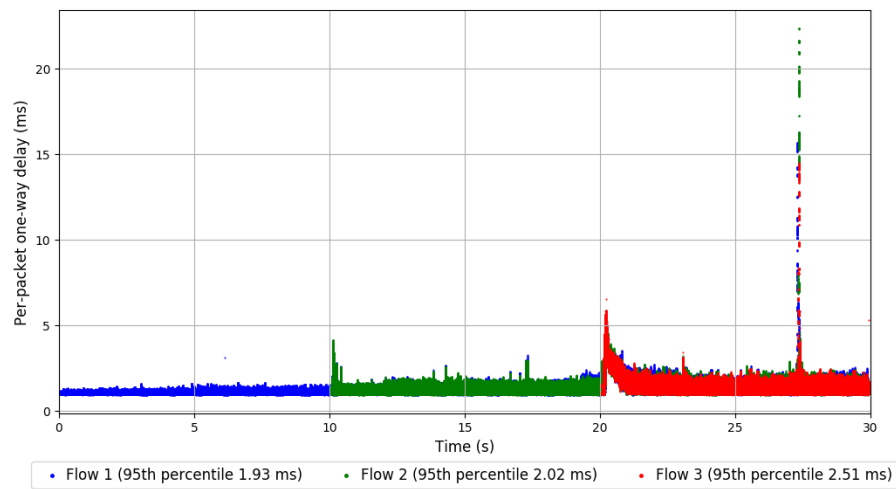
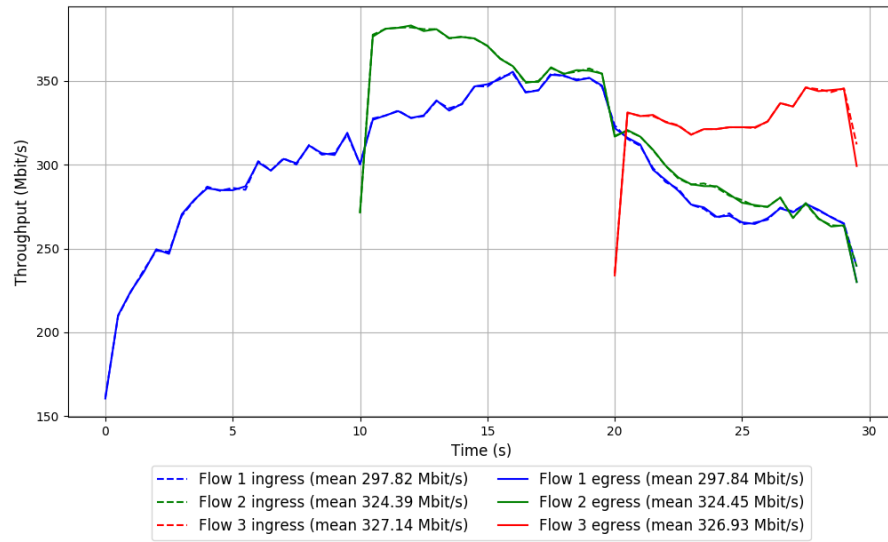


Run 5: Statistics of TCP Vegas

Start at: 2017-10-12 05:14:00
End at: 2017-10-12 05:14:30
Local clock offset: 1.393 ms
Remote clock offset: -1.266 ms

Below is generated by plot.py at 2017-10-12 12:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 621.90 Mbit/s
95th percentile per-packet one-way delay: 2.035 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 297.84 Mbit/s
95th percentile per-packet one-way delay: 1.927 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 324.45 Mbit/s
95th percentile per-packet one-way delay: 2.023 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 326.93 Mbit/s
95th percentile per-packet one-way delay: 2.507 ms
Loss rate: 0.22%

Run 5: Report of TCP Vegas — Data Link

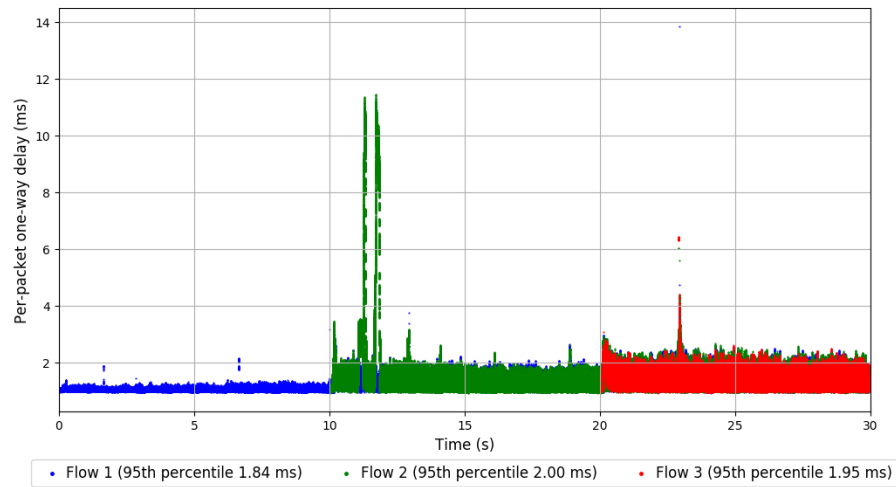
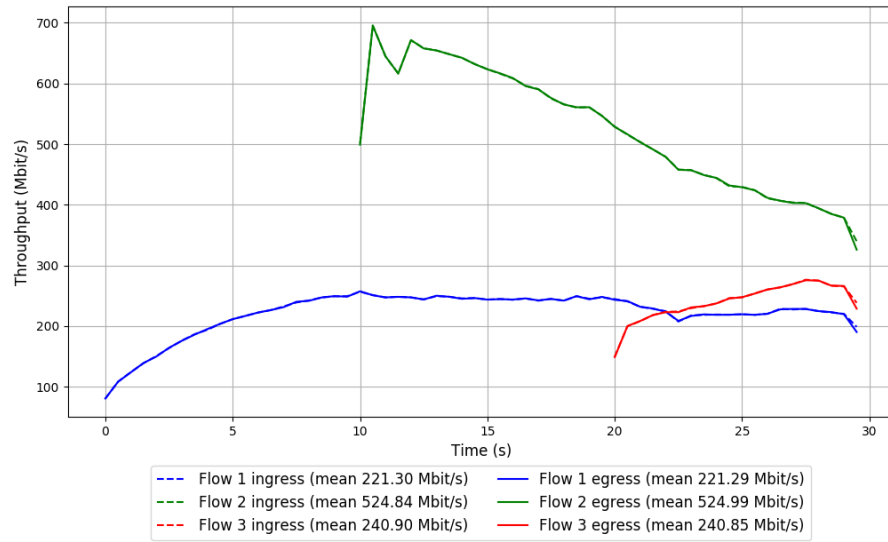


Run 6: Statistics of TCP Vegas

Start at: 2017-10-12 05:35:17
End at: 2017-10-12 05:35:47
Local clock offset: 1.551 ms
Remote clock offset: -1.121 ms

Below is generated by plot.py at 2017-10-12 12:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 650.60 Mbit/s
95th percentile per-packet one-way delay: 1.928 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 221.29 Mbit/s
95th percentile per-packet one-way delay: 1.838 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 524.99 Mbit/s
95th percentile per-packet one-way delay: 1.998 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 240.85 Mbit/s
95th percentile per-packet one-way delay: 1.945 ms
Loss rate: 0.21%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-10-12 05:56:40

End at: 2017-10-12 05:57:10

Local clock offset: 1.53 ms

Remote clock offset: -1.13 ms

Below is generated by plot.py at 2017-10-12 12:11:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 533.94 Mbit/s

95th percentile per-packet one-way delay: 1.794 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 272.28 Mbit/s

95th percentile per-packet one-way delay: 1.783 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 313.77 Mbit/s

95th percentile per-packet one-way delay: 1.788 ms

Loss rate: 0.08%

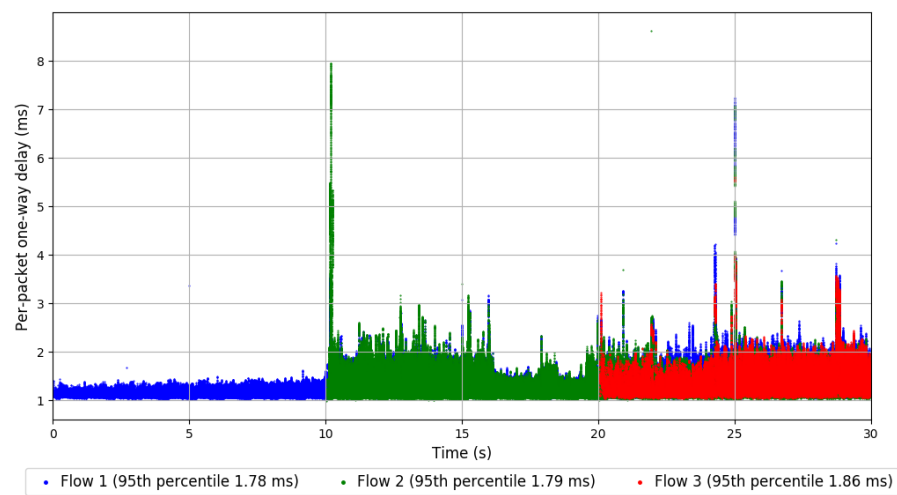
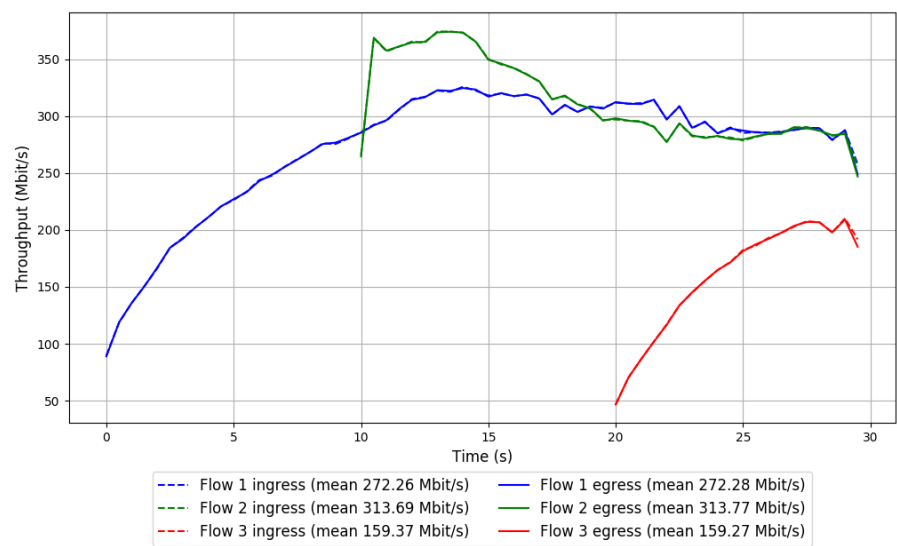
-- Flow 3:

Average throughput: 159.27 Mbit/s

95th percentile per-packet one-way delay: 1.862 ms

Loss rate: 0.26%

Run 7: Report of TCP Vegas — Data Link

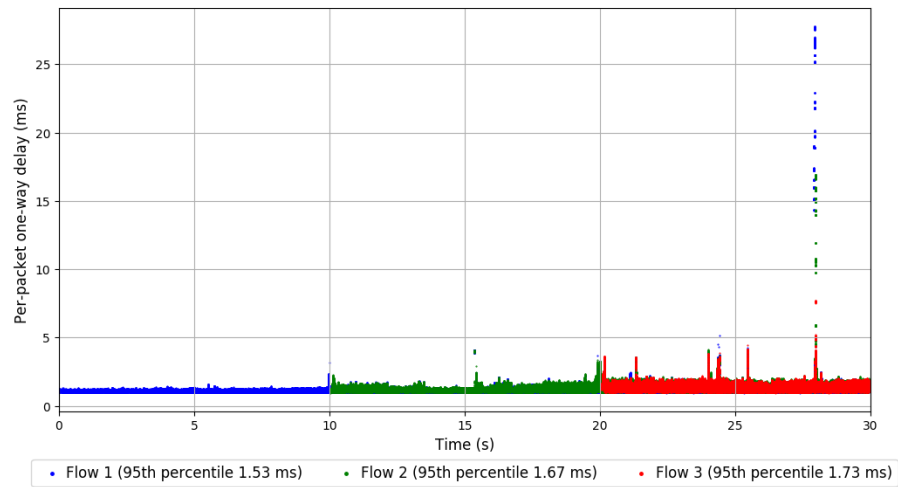
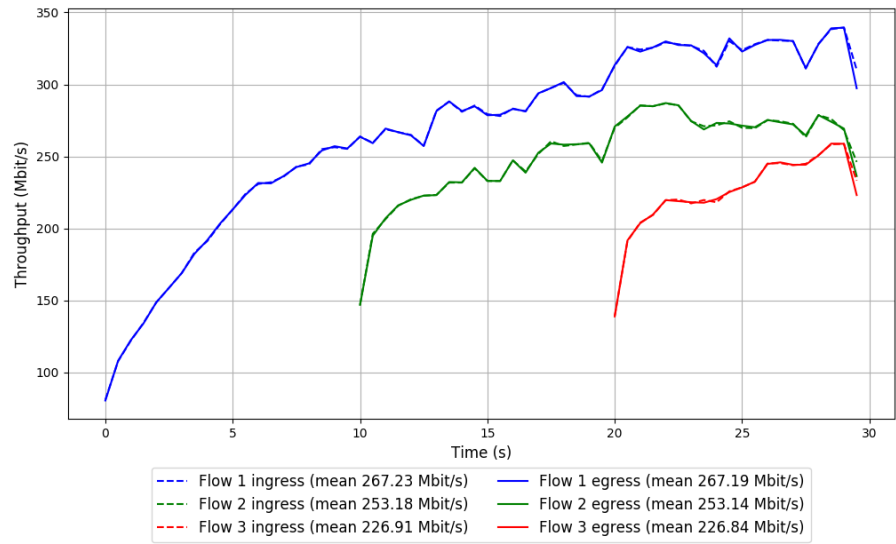


Run 8: Statistics of TCP Vegas

Start at: 2017-10-12 06:17:49
End at: 2017-10-12 06:18:19
Local clock offset: 1.404 ms
Remote clock offset: -1.474 ms

Below is generated by plot.py at 2017-10-12 12:12:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 510.78 Mbit/s
95th percentile per-packet one-way delay: 1.631 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 267.19 Mbit/s
95th percentile per-packet one-way delay: 1.534 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 253.14 Mbit/s
95th percentile per-packet one-way delay: 1.673 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 226.84 Mbit/s
95th percentile per-packet one-way delay: 1.729 ms
Loss rate: 0.23%

Run 8: Report of TCP Vegas — Data Link

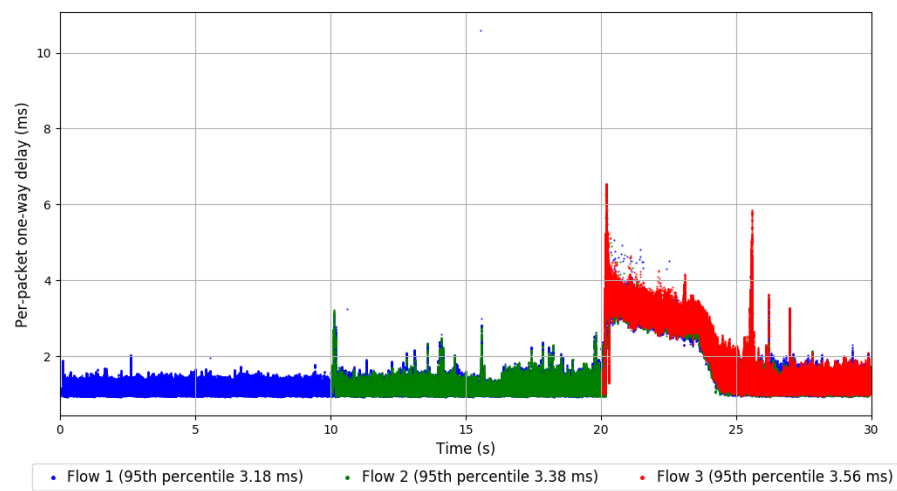
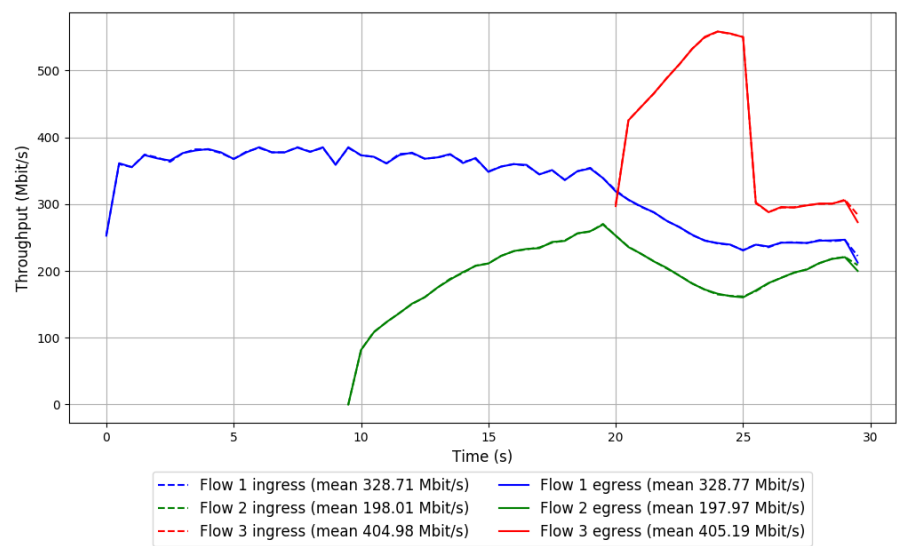


Run 9: Statistics of TCP Vegas

Start at: 2017-10-12 06:38:57
End at: 2017-10-12 06:39:27
Local clock offset: 1.208 ms
Remote clock offset: -1.359 ms

Below is generated by plot.py at 2017-10-12 12:14:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 594.90 Mbit/s
95th percentile per-packet one-way delay: 3.377 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 328.77 Mbit/s
95th percentile per-packet one-way delay: 3.182 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 197.97 Mbit/s
95th percentile per-packet one-way delay: 3.381 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 405.19 Mbit/s
95th percentile per-packet one-way delay: 3.561 ms
Loss rate: 0.15%

Run 9: Report of TCP Vegas — Data Link

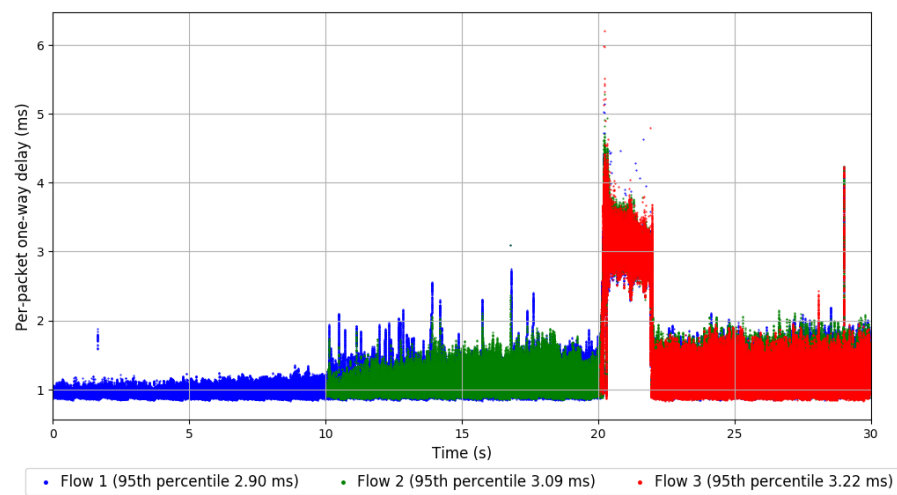
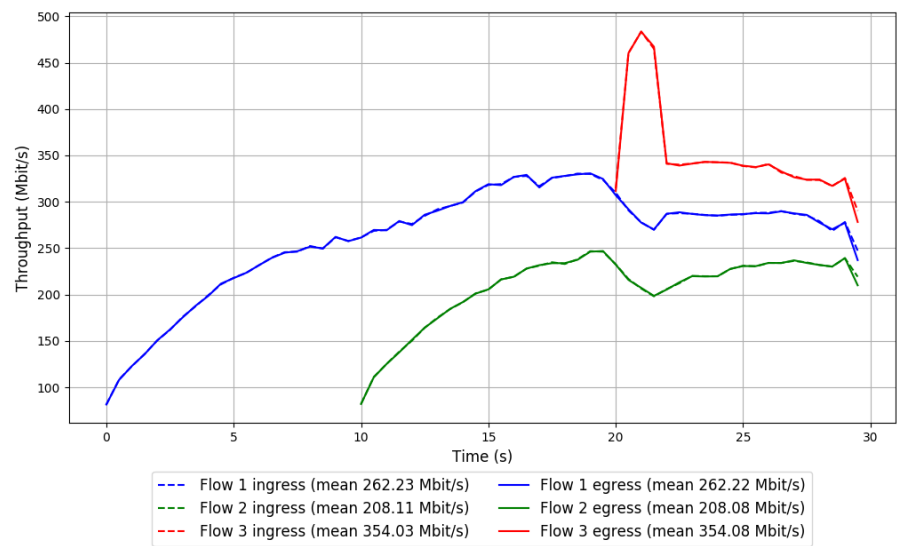


Run 10: Statistics of TCP Vegas

Start at: 2017-10-12 07:00:14
End at: 2017-10-12 07:00:44
Local clock offset: 1.296 ms
Remote clock offset: -1.119 ms

Below is generated by plot.py at 2017-10-12 12:14:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 517.93 Mbit/s
95th percentile per-packet one-way delay: 3.091 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 262.22 Mbit/s
95th percentile per-packet one-way delay: 2.904 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 208.08 Mbit/s
95th percentile per-packet one-way delay: 3.094 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 354.08 Mbit/s
95th percentile per-packet one-way delay: 3.221 ms
Loss rate: 0.19%

Run 10: Report of TCP Vegas — Data Link

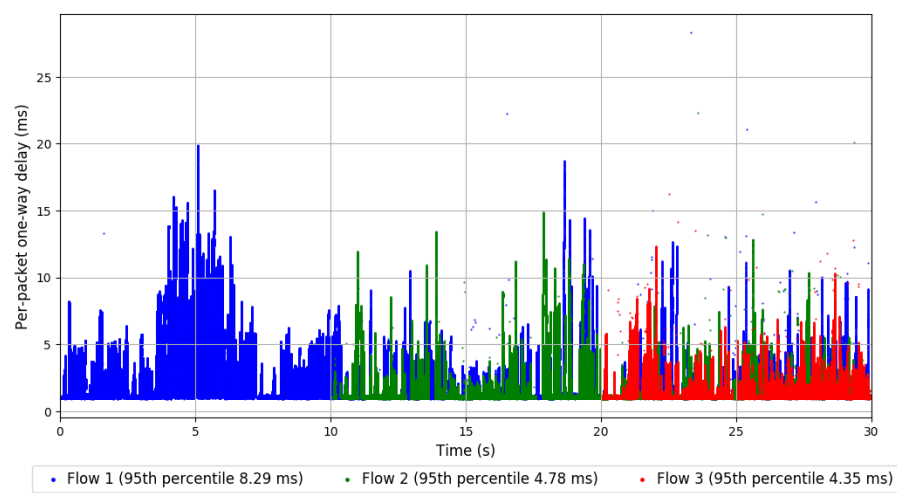
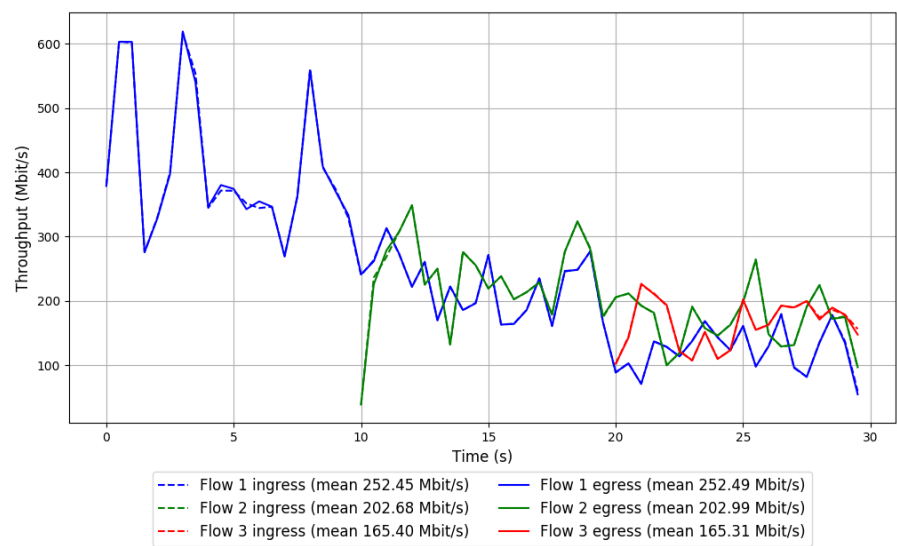


Run 1: Statistics of Verus

Start at: 2017-10-12 03:41:28
End at: 2017-10-12 03:41:58
Local clock offset: 0.934 ms
Remote clock offset: -3.376 ms

Below is generated by plot.py at 2017-10-12 12:14:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.01 Mbit/s
95th percentile per-packet one-way delay: 7.014 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 252.49 Mbit/s
95th percentile per-packet one-way delay: 8.289 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 202.99 Mbit/s
95th percentile per-packet one-way delay: 4.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 165.31 Mbit/s
95th percentile per-packet one-way delay: 4.346 ms
Loss rate: 0.26%

Run 1: Report of Verus — Data Link

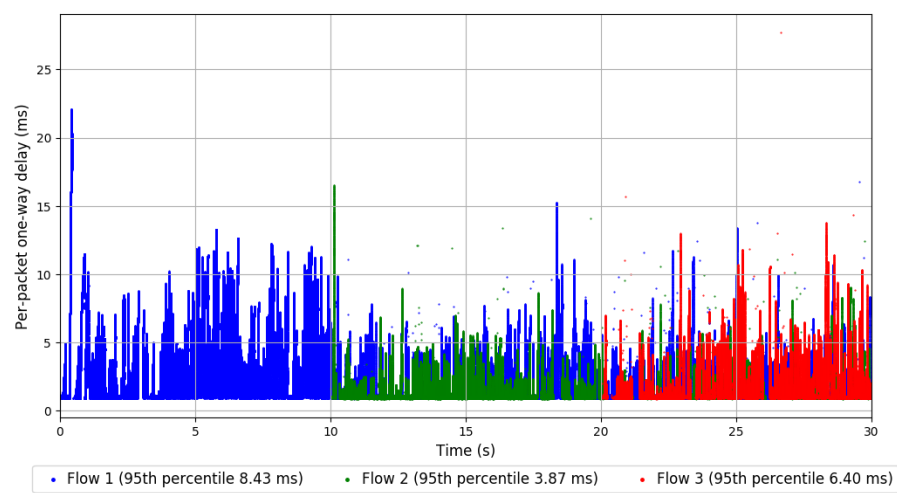
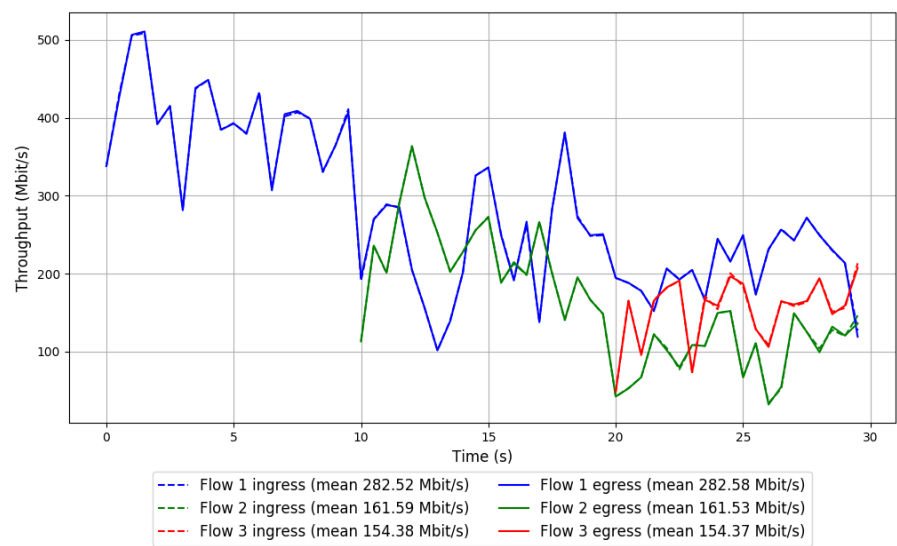


Run 2: Statistics of Verus

Start at: 2017-10-12 04:02:31
End at: 2017-10-12 04:03:01
Local clock offset: 1.112 ms
Remote clock offset: -2.666 ms

Below is generated by plot.py at 2017-10-12 12:14:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 441.24 Mbit/s
95th percentile per-packet one-way delay: 7.441 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 282.58 Mbit/s
95th percentile per-packet one-way delay: 8.426 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 161.53 Mbit/s
95th percentile per-packet one-way delay: 3.874 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 154.37 Mbit/s
95th percentile per-packet one-way delay: 6.396 ms
Loss rate: 0.20%

Run 2: Report of Verus — Data Link

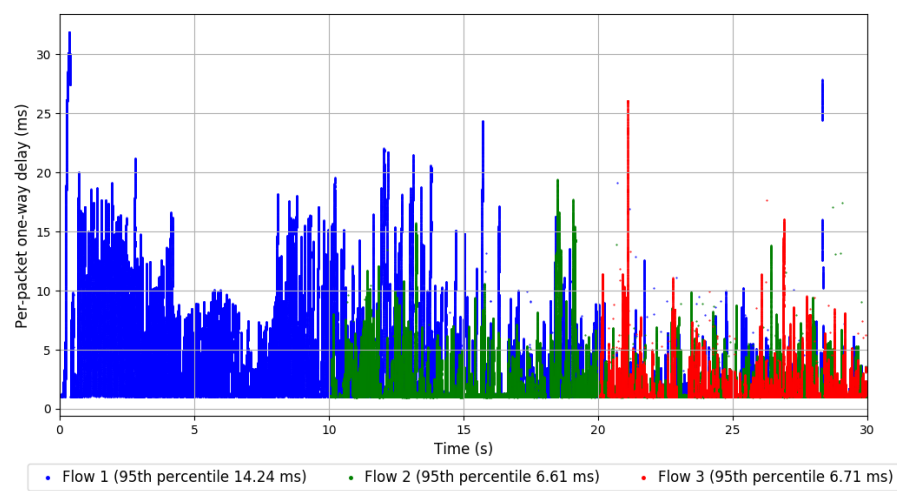
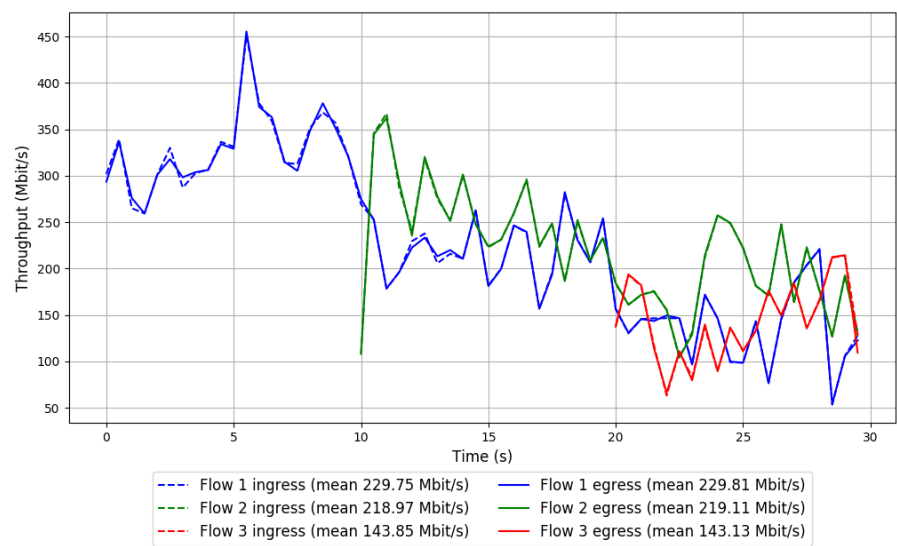


Run 3: Statistics of Verus

Start at: 2017-10-12 04:23:51
End at: 2017-10-12 04:24:21
Local clock offset: 1.213 ms
Remote clock offset: -2.056 ms

Below is generated by plot.py at 2017-10-12 12:14:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.12 Mbit/s
95th percentile per-packet one-way delay: 12.155 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 229.81 Mbit/s
95th percentile per-packet one-way delay: 14.239 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 219.11 Mbit/s
95th percentile per-packet one-way delay: 6.613 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 143.13 Mbit/s
95th percentile per-packet one-way delay: 6.705 ms
Loss rate: 0.68%

Run 3: Report of Verus — Data Link

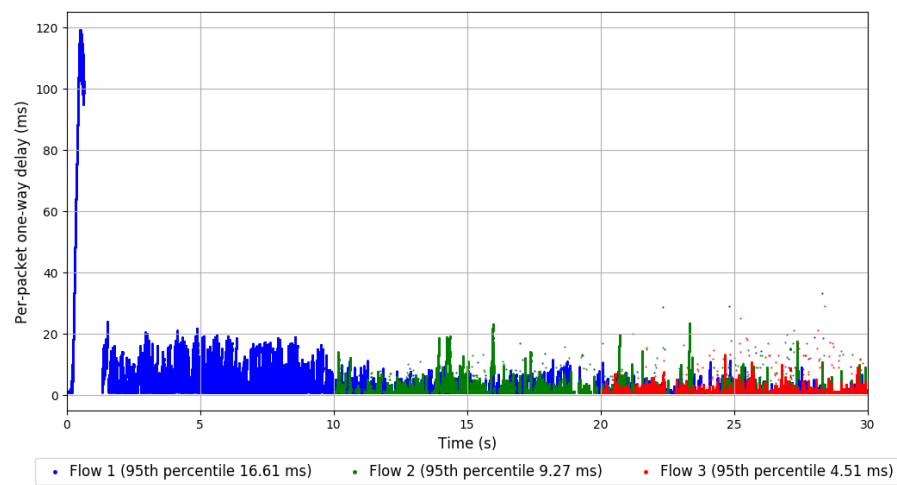
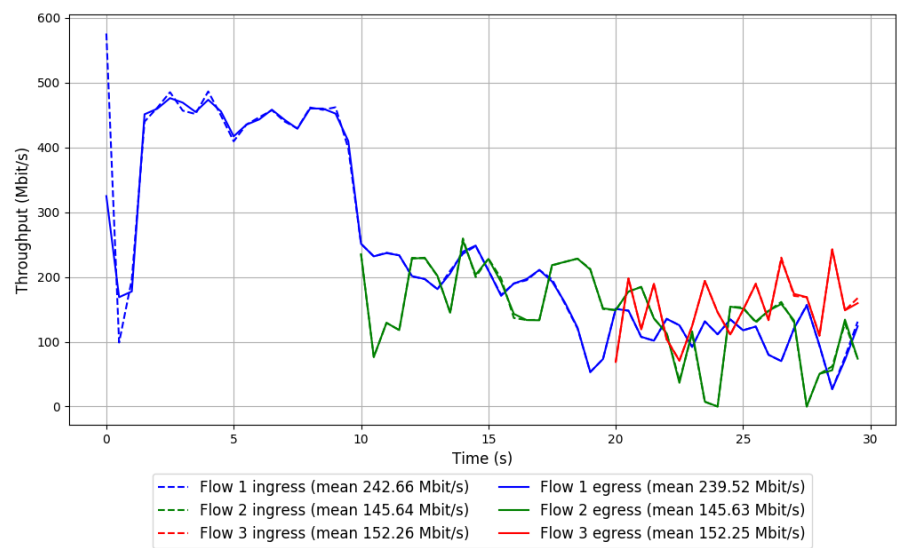


Run 4: Statistics of Verus

Start at: 2017-10-12 04:45:09
End at: 2017-10-12 04:45:39
Local clock offset: 1.369 ms
Remote clock offset: -1.643 ms

Below is generated by plot.py at 2017-10-12 12:14:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 386.80 Mbit/s
95th percentile per-packet one-way delay: 15.016 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 239.52 Mbit/s
95th percentile per-packet one-way delay: 16.615 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 145.63 Mbit/s
95th percentile per-packet one-way delay: 9.271 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.25 Mbit/s
95th percentile per-packet one-way delay: 4.511 ms
Loss rate: 0.26%

Run 4: Report of Verus — Data Link

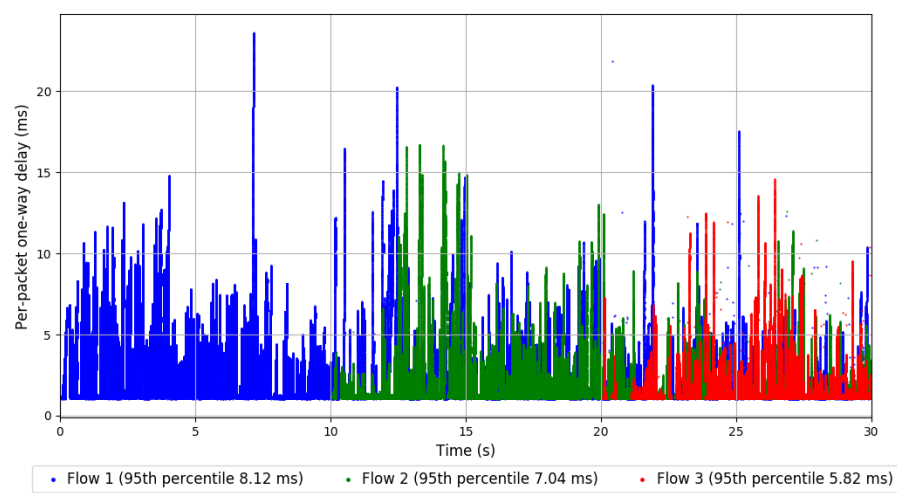
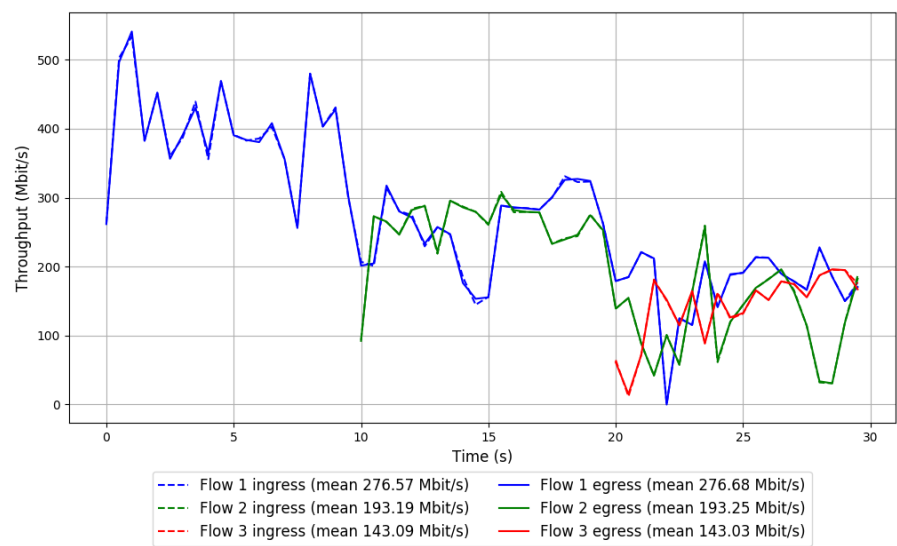


Run 5: Statistics of Verus

Start at: 2017-10-12 05:06:28
End at: 2017-10-12 05:06:58
Local clock offset: 1.447 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2017-10-12 12:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.70 Mbit/s
95th percentile per-packet one-way delay: 7.707 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 276.68 Mbit/s
95th percentile per-packet one-way delay: 8.124 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 193.25 Mbit/s
95th percentile per-packet one-way delay: 7.042 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 143.03 Mbit/s
95th percentile per-packet one-way delay: 5.821 ms
Loss rate: 0.29%

Run 5: Report of Verus — Data Link

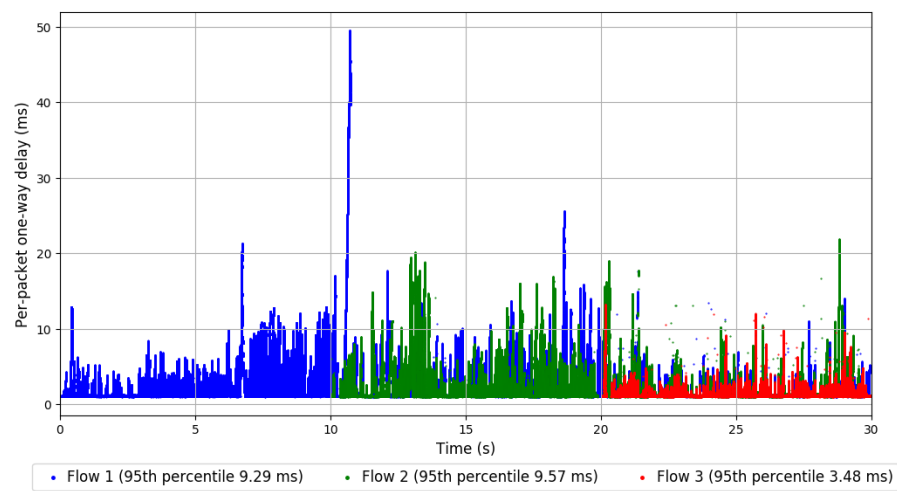
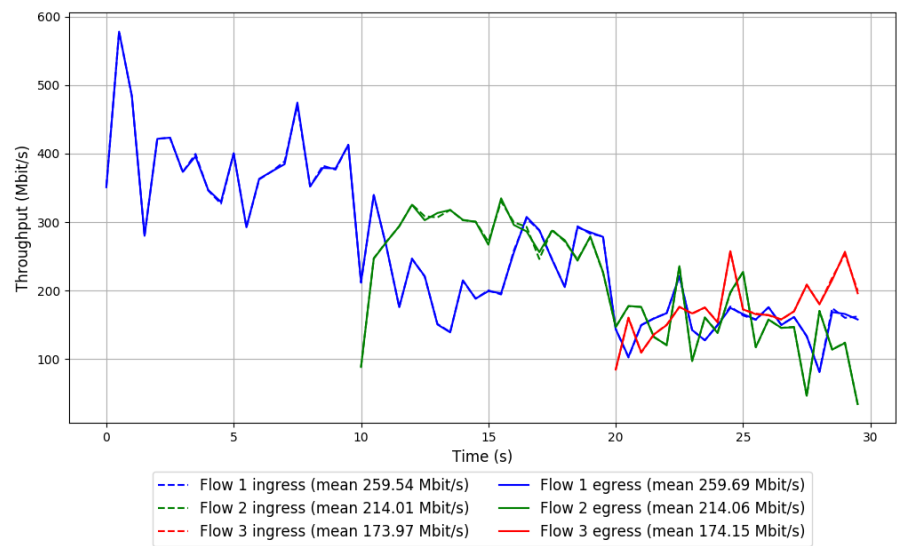


Run 6: Statistics of Verus

Start at: 2017-10-12 05:27:44
End at: 2017-10-12 05:28:14
Local clock offset: 1.579 ms
Remote clock offset: -1.191 ms

Below is generated by plot.py at 2017-10-12 12:19:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 457.20 Mbit/s
95th percentile per-packet one-way delay: 8.902 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 259.69 Mbit/s
95th percentile per-packet one-way delay: 9.290 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 214.06 Mbit/s
95th percentile per-packet one-way delay: 9.567 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 174.15 Mbit/s
95th percentile per-packet one-way delay: 3.476 ms
Loss rate: 0.13%

Run 6: Report of Verus — Data Link

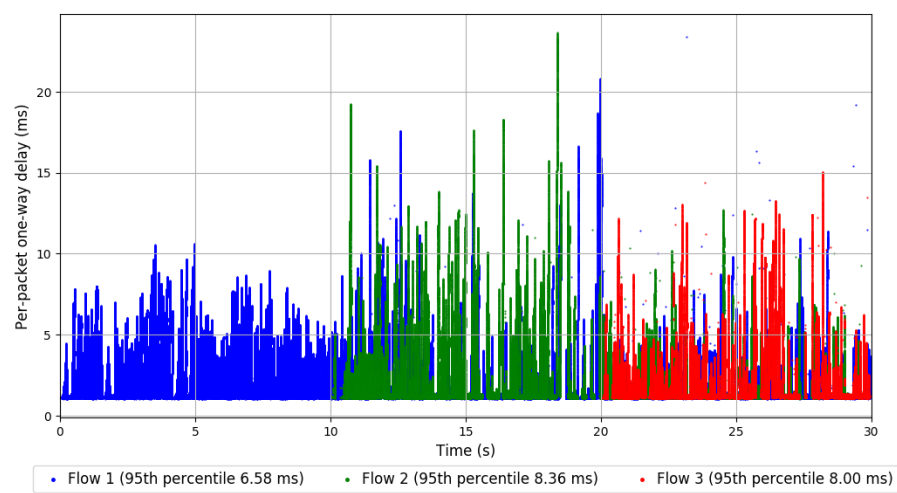
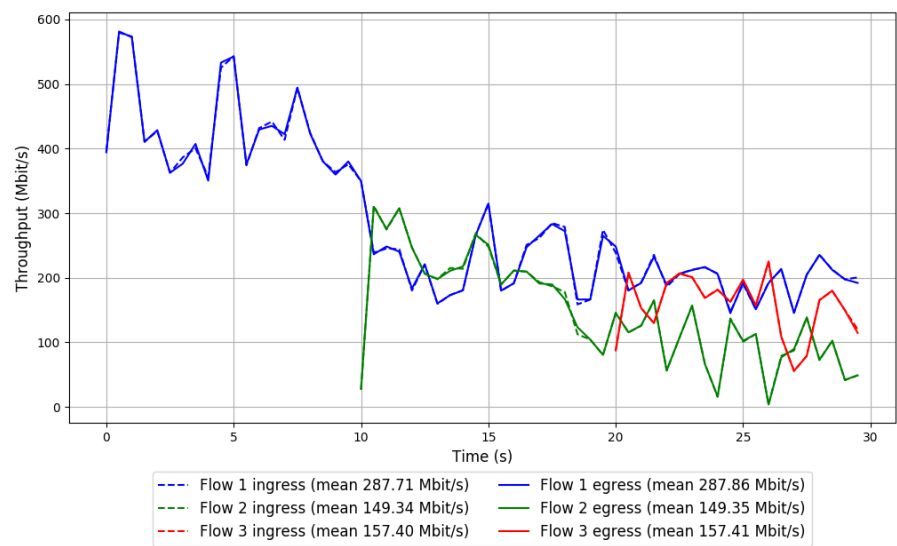


Run 7: Statistics of Verus

Start at: 2017-10-12 05:49:08
End at: 2017-10-12 05:49:38
Local clock offset: 1.57 ms
Remote clock offset: -1.284 ms

Below is generated by plot.py at 2017-10-12 12:19:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.77 Mbit/s
95th percentile per-packet one-way delay: 7.097 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 287.86 Mbit/s
95th percentile per-packet one-way delay: 6.575 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 149.35 Mbit/s
95th percentile per-packet one-way delay: 8.364 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.41 Mbit/s
95th percentile per-packet one-way delay: 8.003 ms
Loss rate: 0.19%

Run 7: Report of Verus — Data Link

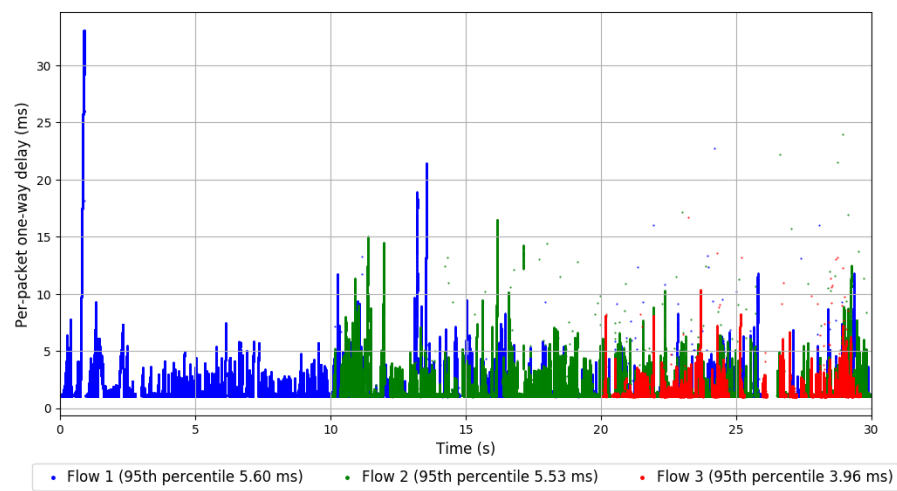
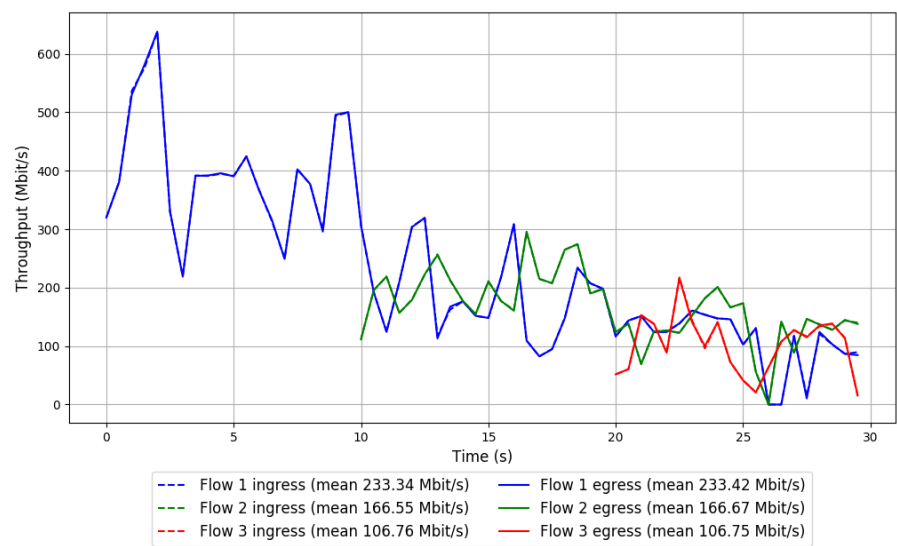


Run 8: Statistics of Verus

Start at: 2017-10-12 06:10:22
End at: 2017-10-12 06:10:52
Local clock offset: 1.456 ms
Remote clock offset: -1.341 ms

Below is generated by plot.py at 2017-10-12 12:19:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.39 Mbit/s
95th percentile per-packet one-way delay: 5.448 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 233.42 Mbit/s
95th percentile per-packet one-way delay: 5.601 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 166.67 Mbit/s
95th percentile per-packet one-way delay: 5.525 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 106.75 Mbit/s
95th percentile per-packet one-way delay: 3.964 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

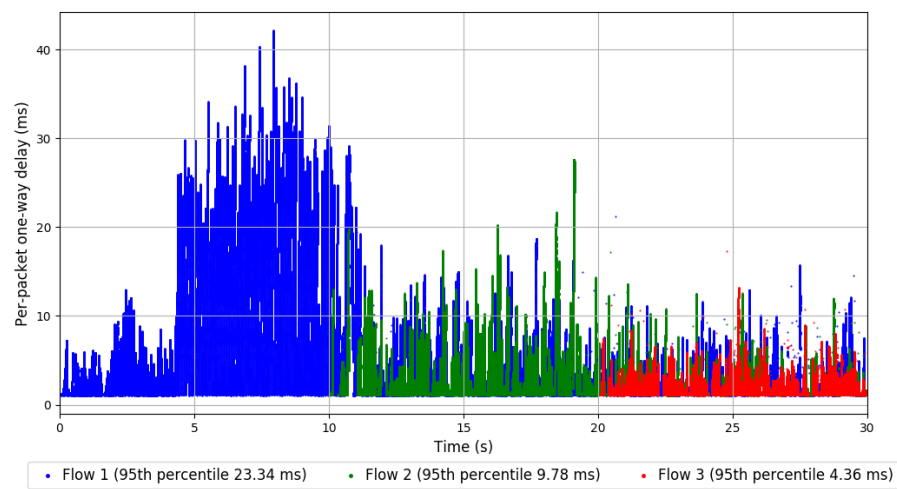
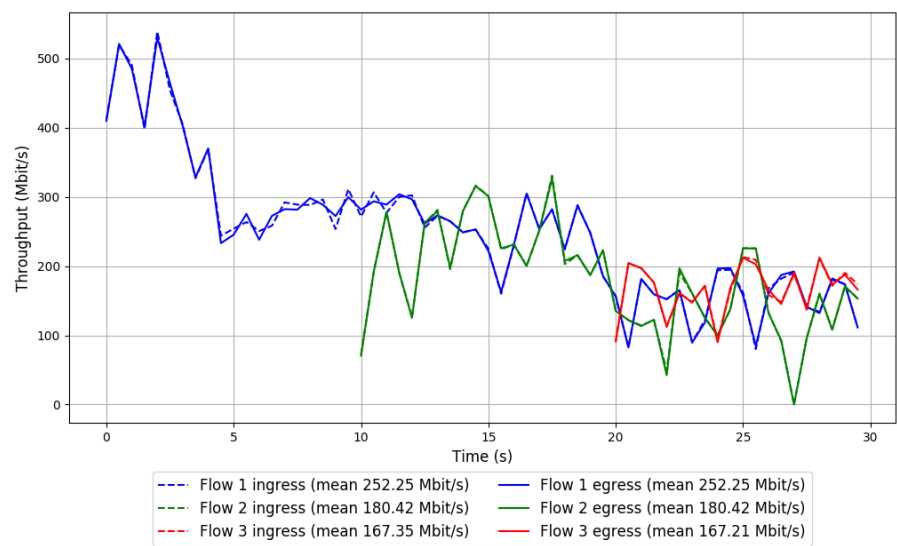


Run 9: Statistics of Verus

Start at: 2017-10-12 06:31:27
End at: 2017-10-12 06:31:57
Local clock offset: 1.339 ms
Remote clock offset: -1.508 ms

Below is generated by plot.py at 2017-10-12 12:20:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.05 Mbit/s
95th percentile per-packet one-way delay: 19.755 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 252.25 Mbit/s
95th percentile per-packet one-way delay: 23.339 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 180.42 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.21 Mbit/s
95th percentile per-packet one-way delay: 4.358 ms
Loss rate: 0.34%

Run 9: Report of Verus — Data Link

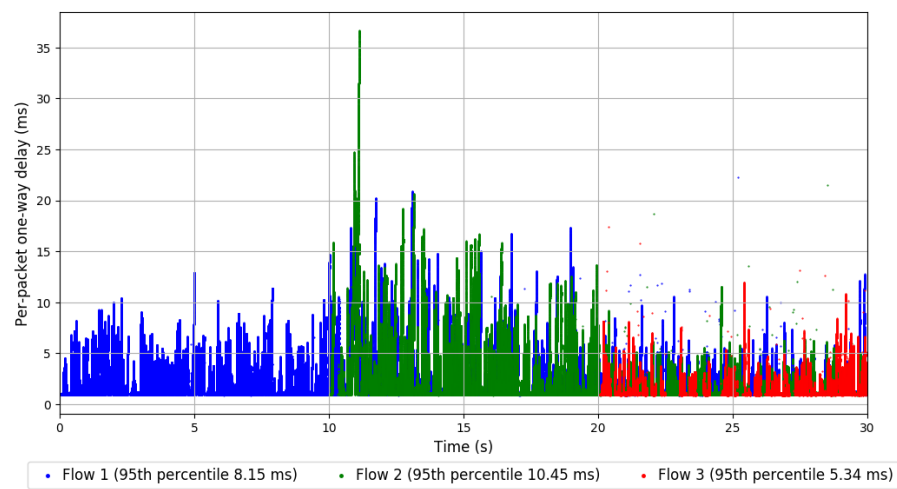
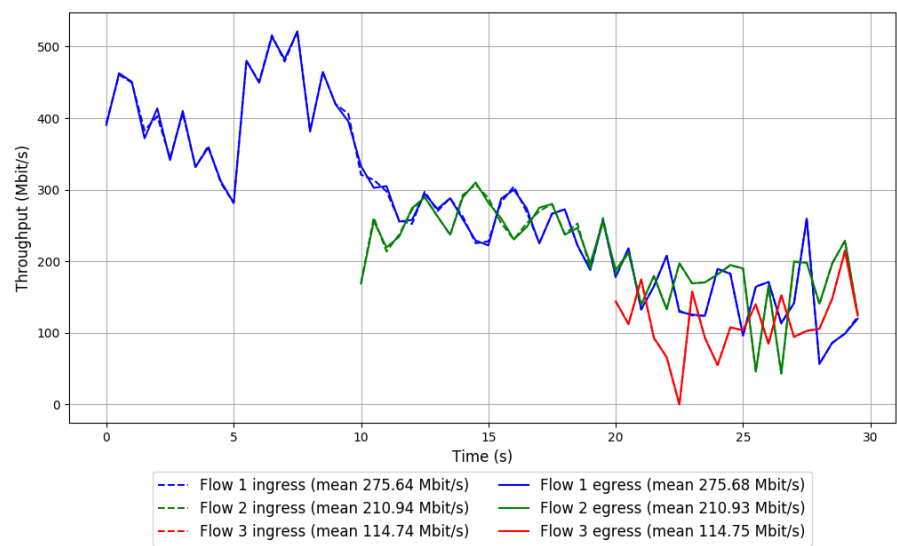


Run 10: Statistics of Verus

Start at: 2017-10-12 06:52:41
End at: 2017-10-12 06:53:11
Local clock offset: 1.242 ms
Remote clock offset: -1.139 ms

Below is generated by plot.py at 2017-10-12 12:21:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.20 Mbit/s
95th percentile per-packet one-way delay: 8.591 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 275.68 Mbit/s
95th percentile per-packet one-way delay: 8.155 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 210.93 Mbit/s
95th percentile per-packet one-way delay: 10.450 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.75 Mbit/s
95th percentile per-packet one-way delay: 5.340 ms
Loss rate: 0.20%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

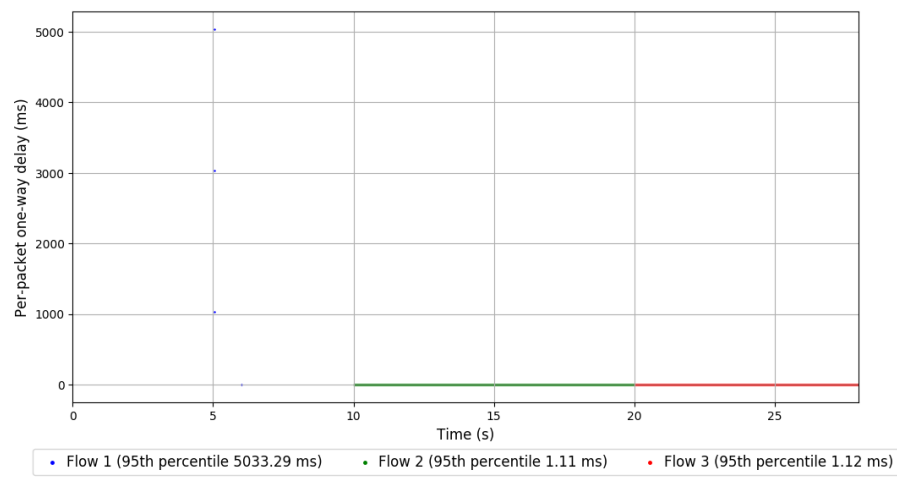
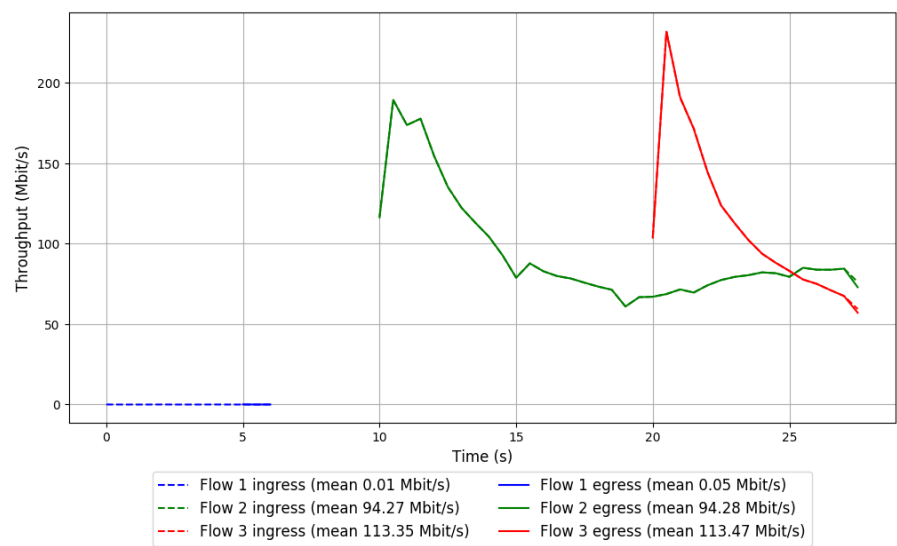
Start at: 2017-10-12 03:56:04

End at: 2017-10-12 03:56:34

Local clock offset: 1.146 ms

Remote clock offset: -2.826 ms

Run 1: Report of Copa — Data Link

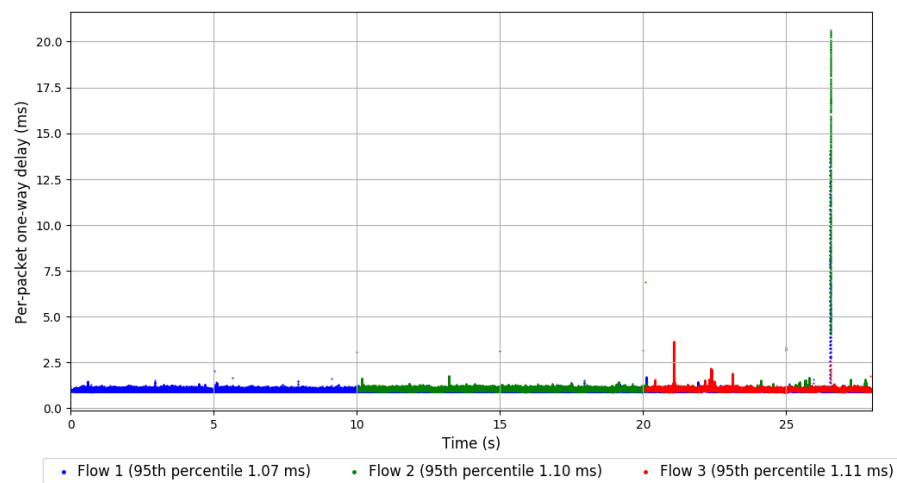
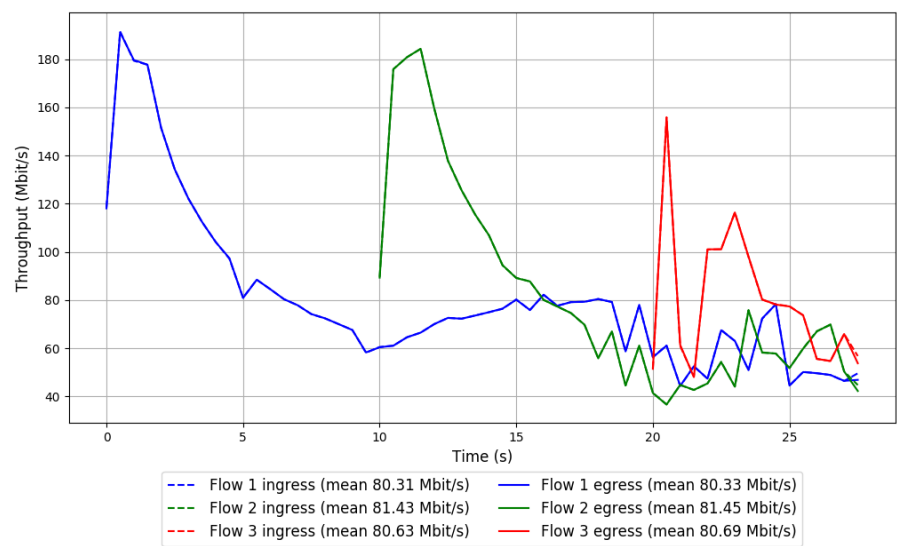


Run 2: Statistics of Copa

Start at: 2017-10-12 04:17:14
End at: 2017-10-12 04:17:44
Local clock offset: 1.272 ms
Remote clock offset: -2.129 ms

Below is generated by plot.py at 2017-10-12 12:21:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.38 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 80.33 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 80.69 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.24%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-10-12 04:38:36

End at: 2017-10-12 04:39:06

Local clock offset: 1.249 ms

Remote clock offset: -1.76 ms

Below is generated by plot.py at 2017-10-12 12:21:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 160.59 Mbit/s

95th percentile per-packet one-way delay: 1.072 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 82.15 Mbit/s

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

Loss rate: 0.06%

-- Flow 2:

Average throughput: 82.28 Mbit/s

95th percentile per-packet one-way delay: 1.088 ms

Loss rate: 0.11%

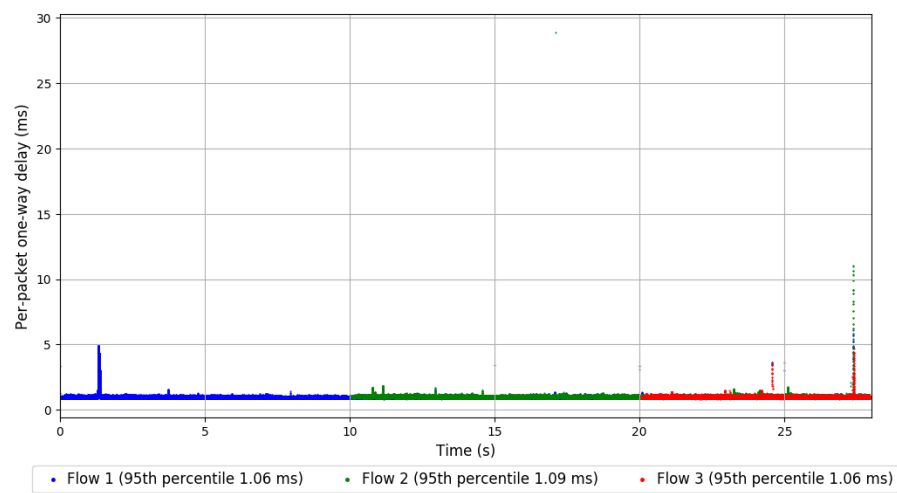
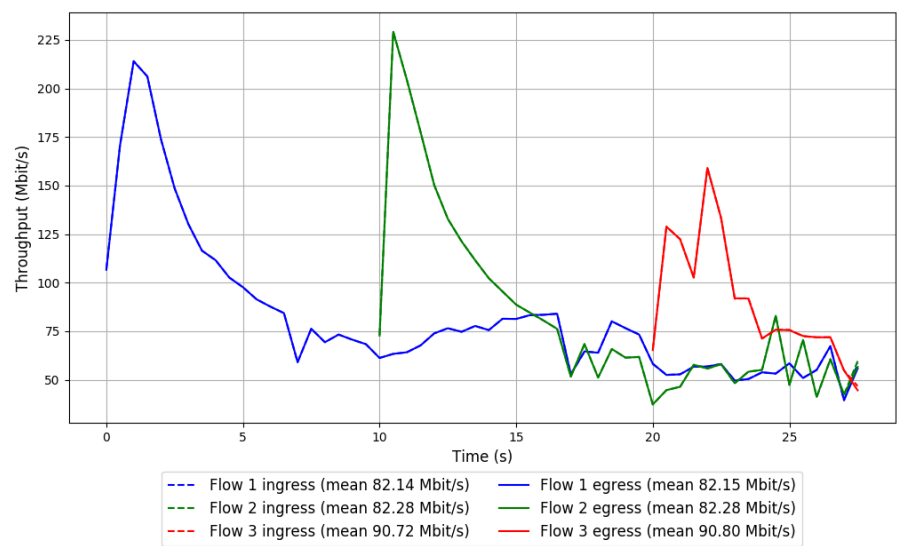
-- Flow 3:

Average throughput: 90.80 Mbit/s

95th percentile per-packet one-way delay: 1.064 ms

Loss rate: 0.16%

Run 3: Report of Copa — Data Link

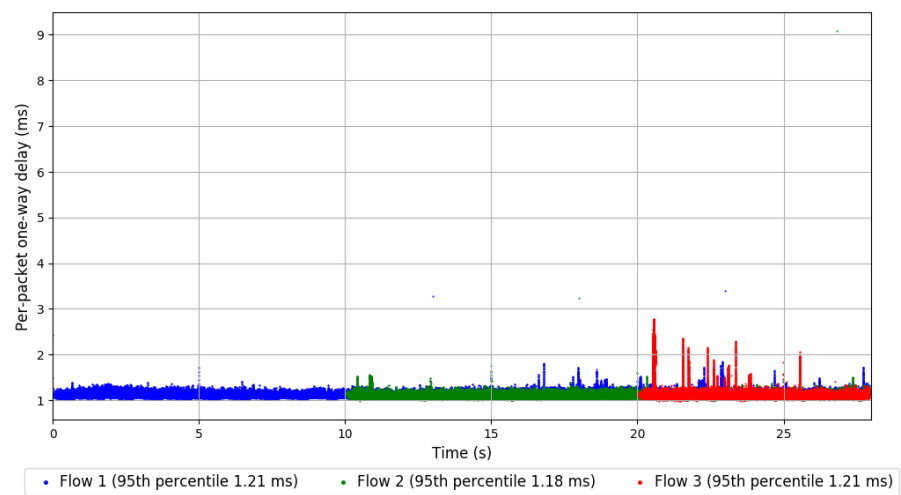
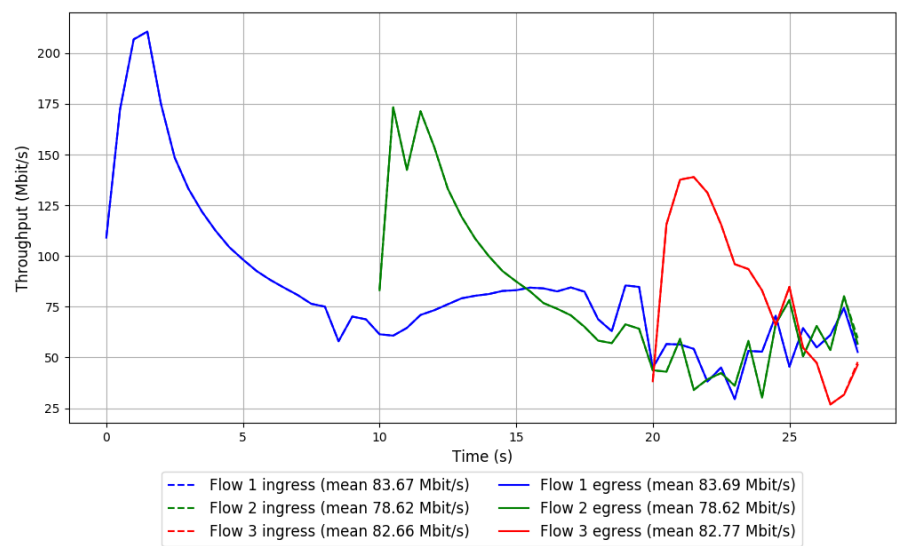


Run 4: Statistics of Copa

Start at: 2017-10-12 04:59:54
End at: 2017-10-12 05:00:24
Local clock offset: 1.422 ms
Remote clock offset: -1.462 ms

Below is generated by plot.py at 2017-10-12 12:22:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.54 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.12%

Run 4: Report of Copa — Data Link

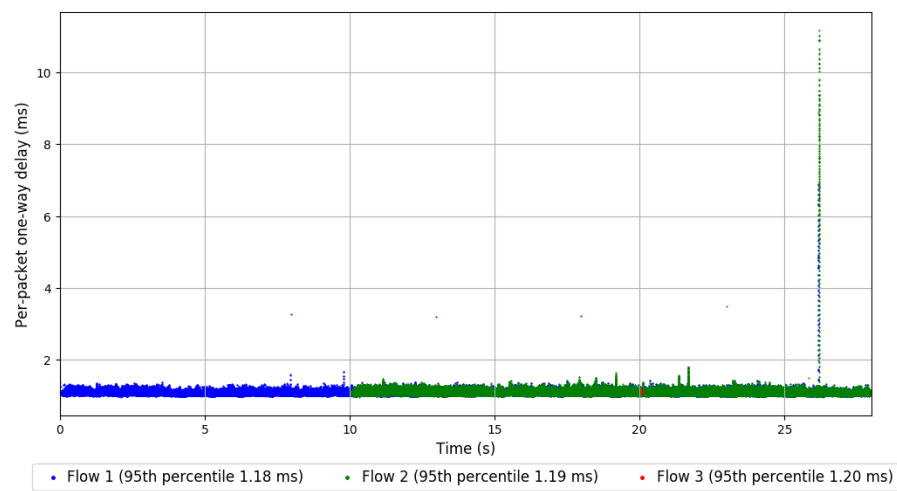
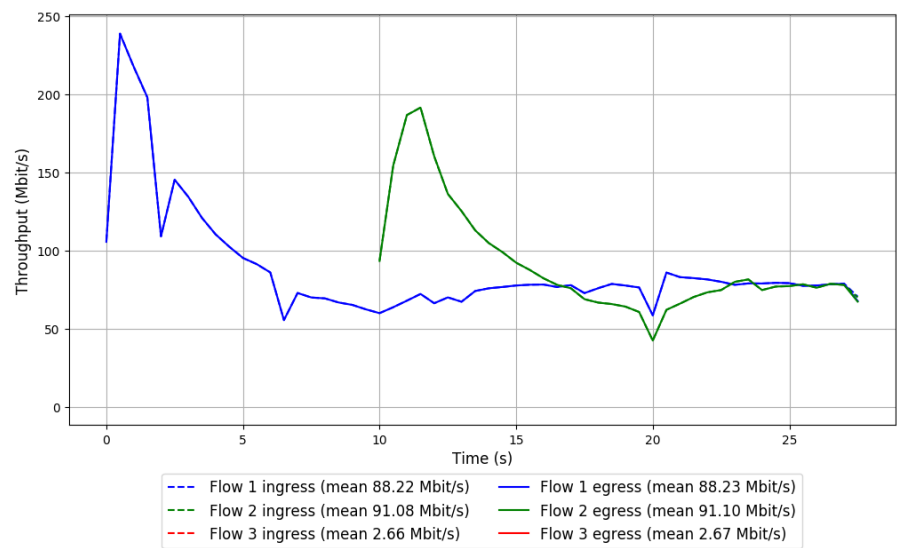


Run 5: Statistics of Copa

Start at: 2017-10-12 05:21:11
End at: 2017-10-12 05:21:41
Local clock offset: 1.527 ms
Remote clock offset: -1.243 ms

Below is generated by plot.py at 2017-10-12 12:22:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.70 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 1.196 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-10-12 05:42:30

End at: 2017-10-12 05:43:00

Local clock offset: 1.508 ms

Remote clock offset: -1.11 ms

Below is generated by plot.py at 2017-10-12 12:23:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 160.57 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 83.66 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 80.16 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.10%

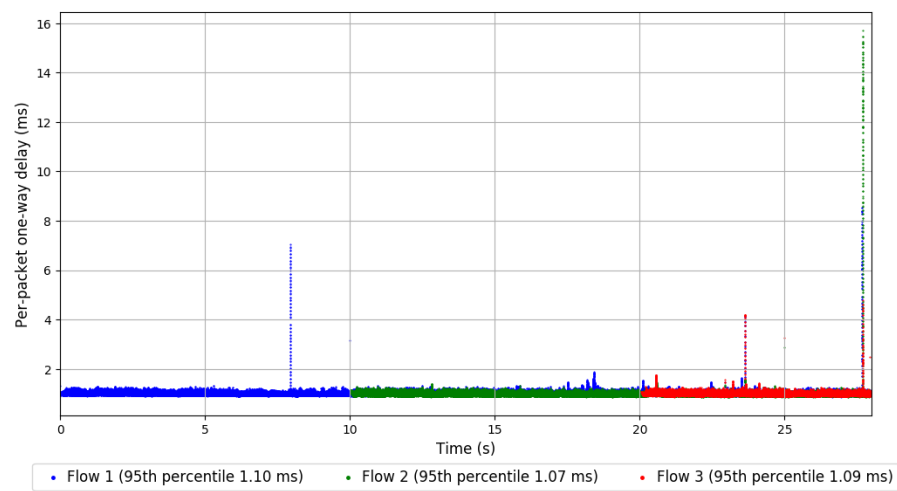
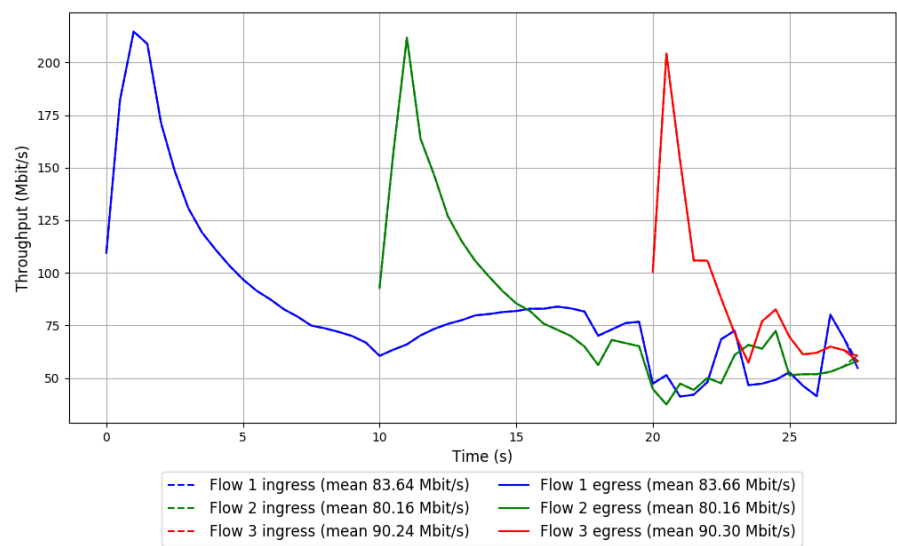
-- Flow 3:

Average throughput: 90.30 Mbit/s

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

Loss rate: 0.17%

Run 6: Report of Copa — Data Link

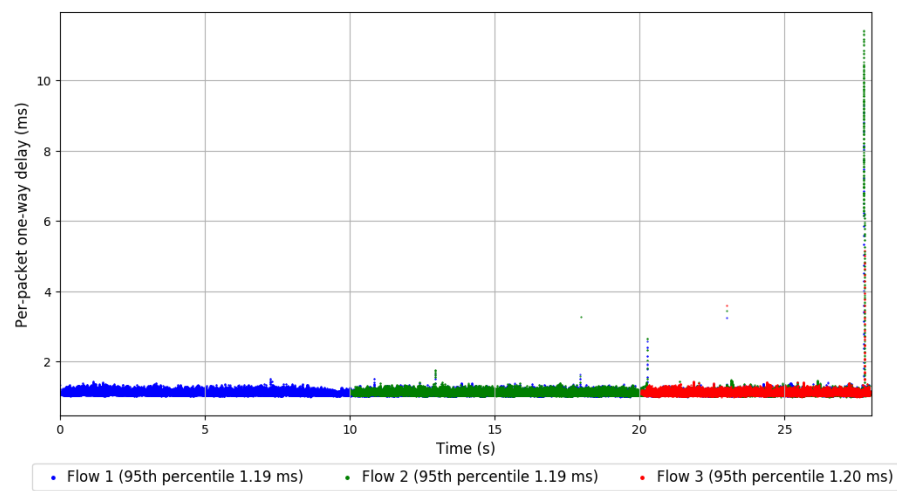
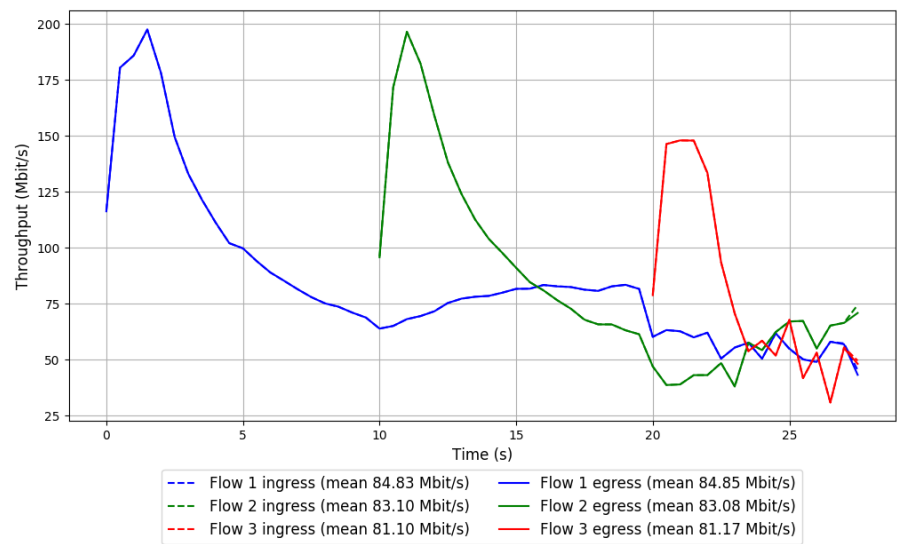


Run 7: Statistics of Copa

Start at: 2017-10-12 06:03:48
End at: 2017-10-12 06:04:18
Local clock offset: 1.475 ms
Remote clock offset: -1.261 ms

```
# Below is generated by plot.py at 2017-10-12 12:23:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 161.06 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.85 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.15%
```

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

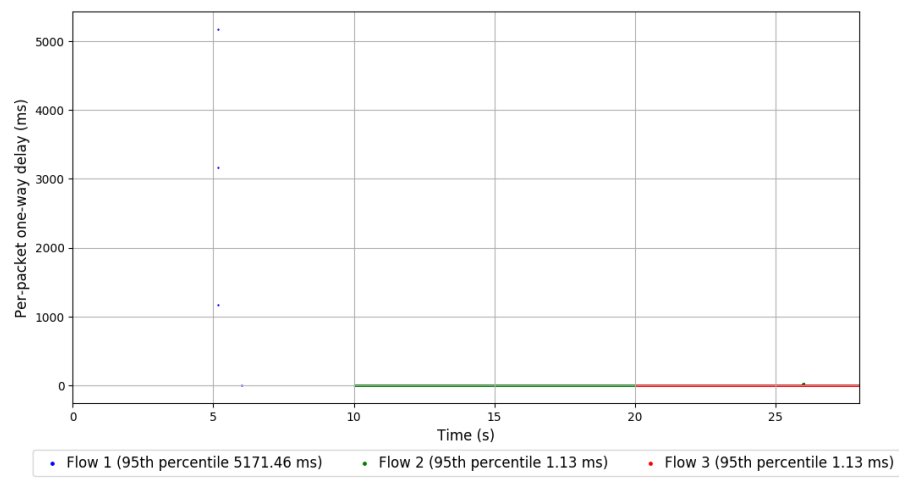
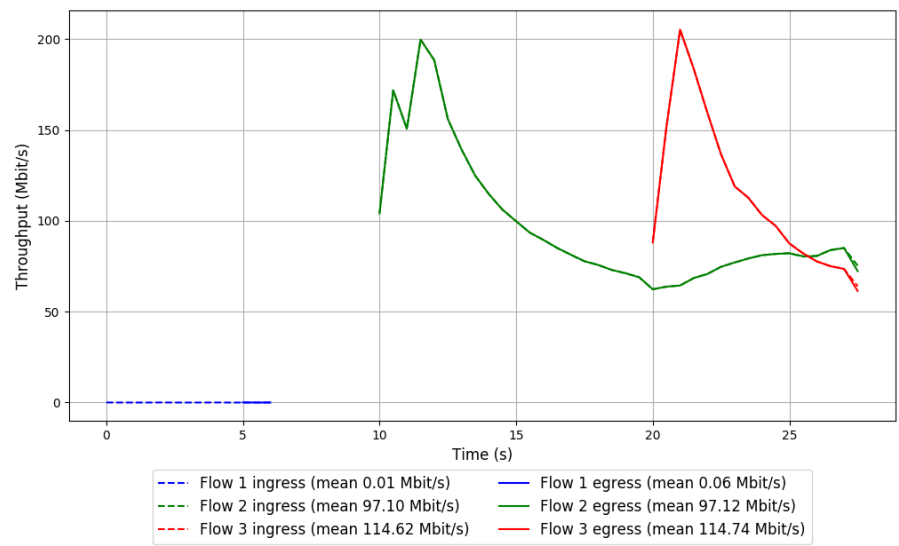
Start at: 2017-10-12 06:24:55

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

Local clock offset: 1.379 ms

Remote clock offset: -1.544 ms

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

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

End at: 2017-10-12 06:46:40

Local clock offset: 1.242 ms

Remote clock offset: -1.27 ms

Below is generated by plot.py at 2017-10-12 12:24:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 163.08 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 82.18 Mbit/s

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

Loss rate: 0.03%

-- Flow 2:

Average throughput: 82.45 Mbit/s

95th percentile per-packet one-way delay: 1.221 ms

Loss rate: 0.10%

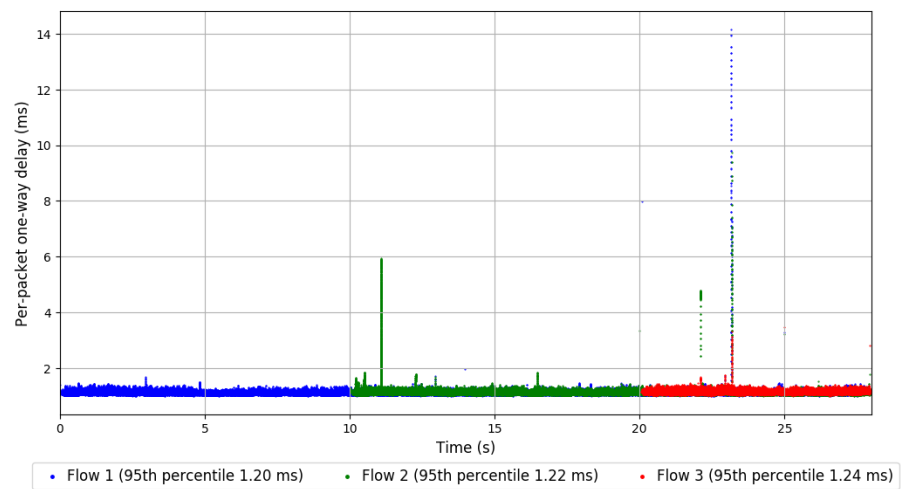
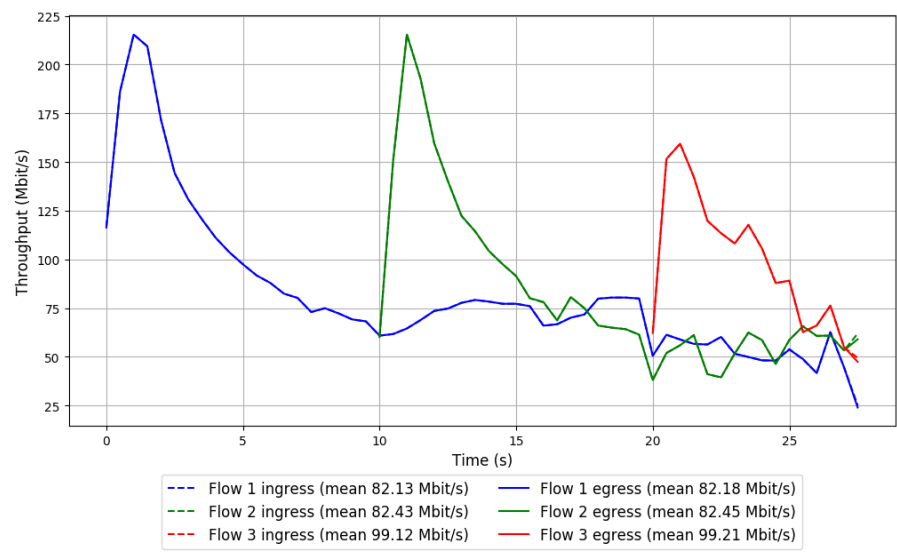
-- Flow 3:

Average throughput: 99.21 Mbit/s

95th percentile per-packet one-way delay: 1.239 ms

Loss rate: 0.13%

Run 9: Report of Copa — Data Link

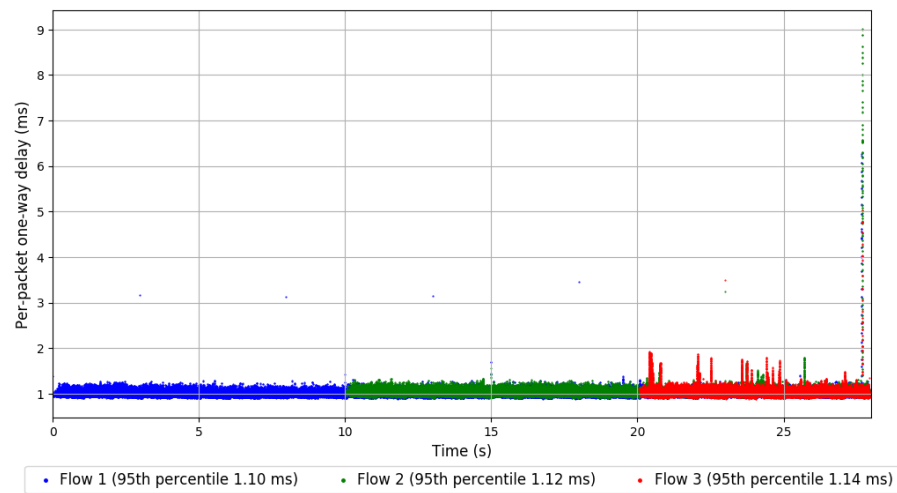
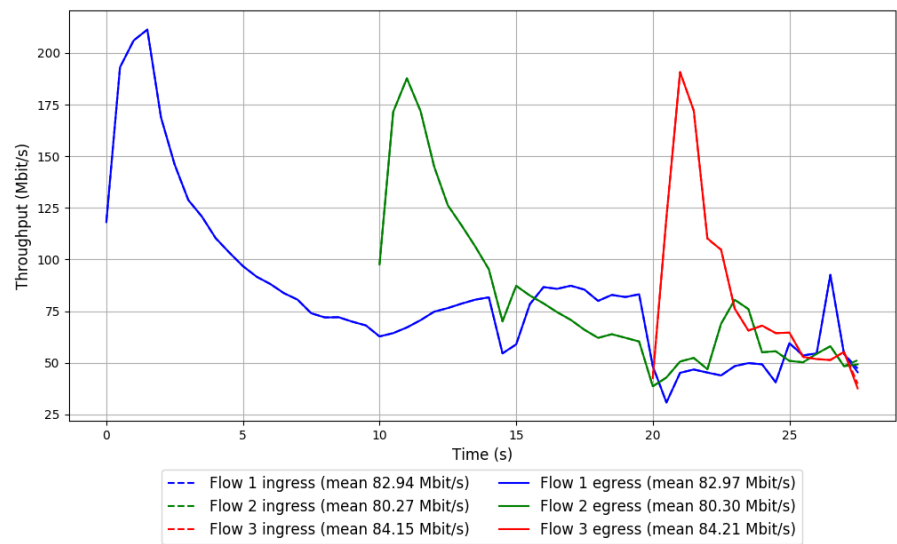


Run 10: Statistics of Copa

Start at: 2017-10-12 07:07:12
End at: 2017-10-12 07:07:42
Local clock offset: 1.399 ms
Remote clock offset: -1.061 ms

Below is generated by plot.py at 2017-10-12 12:24:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.21 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 80.30 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.17%

Run 10: Report of Copa — Data Link

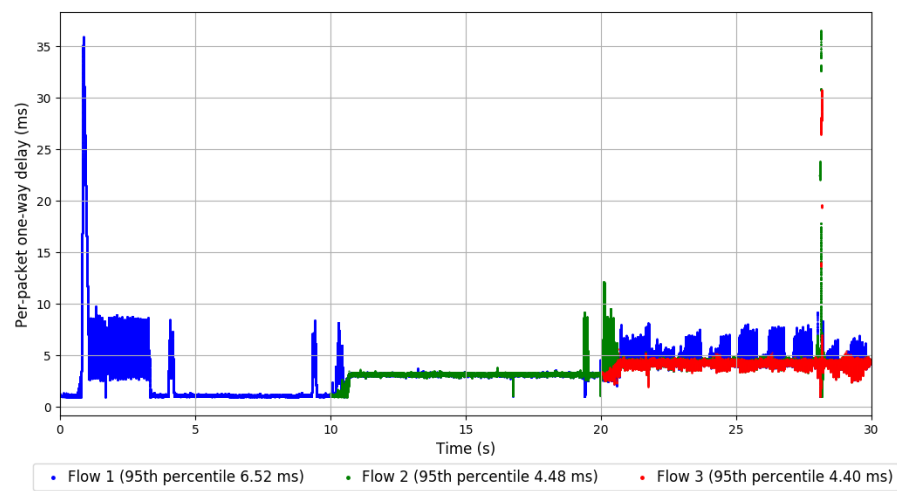
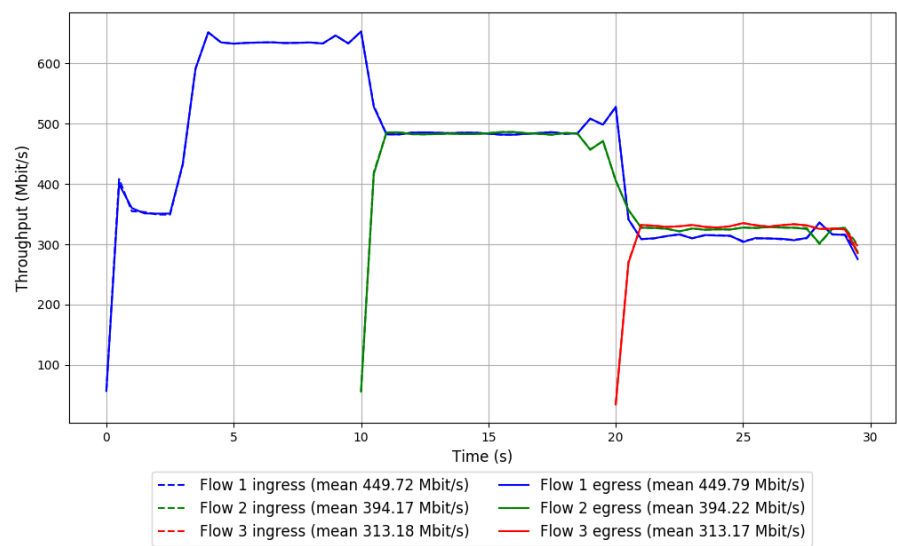


Run 1: Statistics of CalibratedKoho

Start at: 2017-10-12 03:36:18
End at: 2017-10-12 03:36:48
Local clock offset: 0.767 ms
Remote clock offset: -3.473 ms

Below is generated by plot.py at 2017-10-12 12:31:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 815.75 Mbit/s
95th percentile per-packet one-way delay: 5.919 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 449.79 Mbit/s
95th percentile per-packet one-way delay: 6.519 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 394.22 Mbit/s
95th percentile per-packet one-way delay: 4.477 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 313.17 Mbit/s
95th percentile per-packet one-way delay: 4.403 ms
Loss rate: 0.24%

Run 1: Report of CalibratedKoho — Data Link

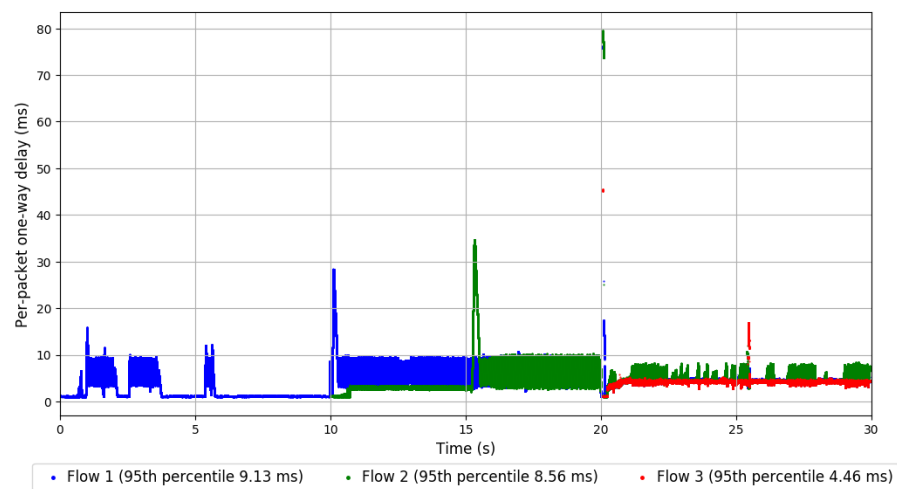
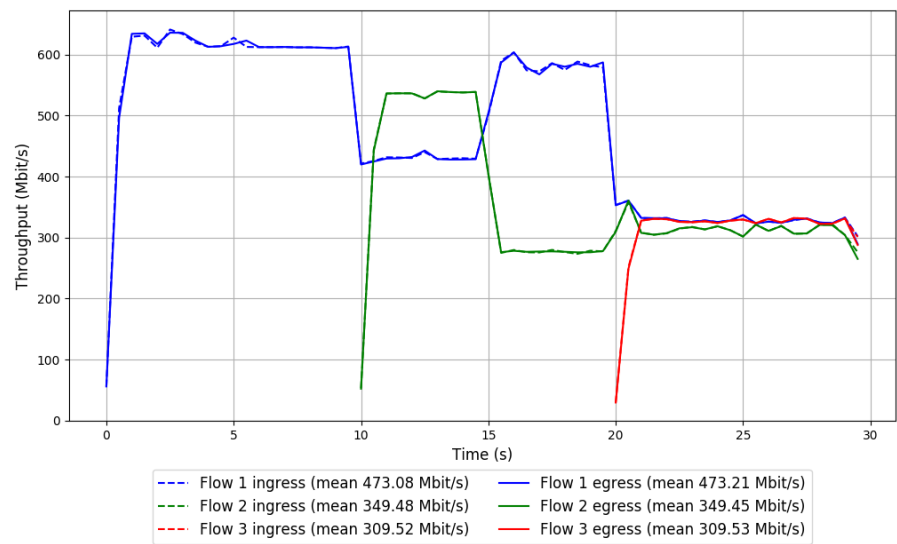


Run 2: Statistics of CalibratedKoho

Start at: 2017-10-12 03:57:22
End at: 2017-10-12 03:57:52
Local clock offset: 1.164 ms
Remote clock offset: -2.829 ms

Below is generated by plot.py at 2017-10-12 12:33:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 808.19 Mbit/s
95th percentile per-packet one-way delay: 8.925 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 473.21 Mbit/s
95th percentile per-packet one-way delay: 9.134 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 349.45 Mbit/s
95th percentile per-packet one-way delay: 8.558 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 309.53 Mbit/s
95th percentile per-packet one-way delay: 4.461 ms
Loss rate: 0.26%

Run 2: Report of CalibratedKoho — Data Link

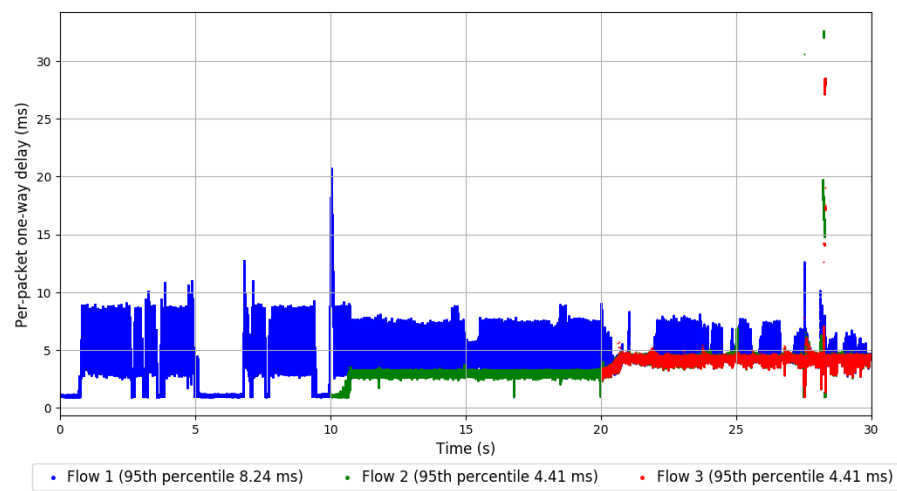
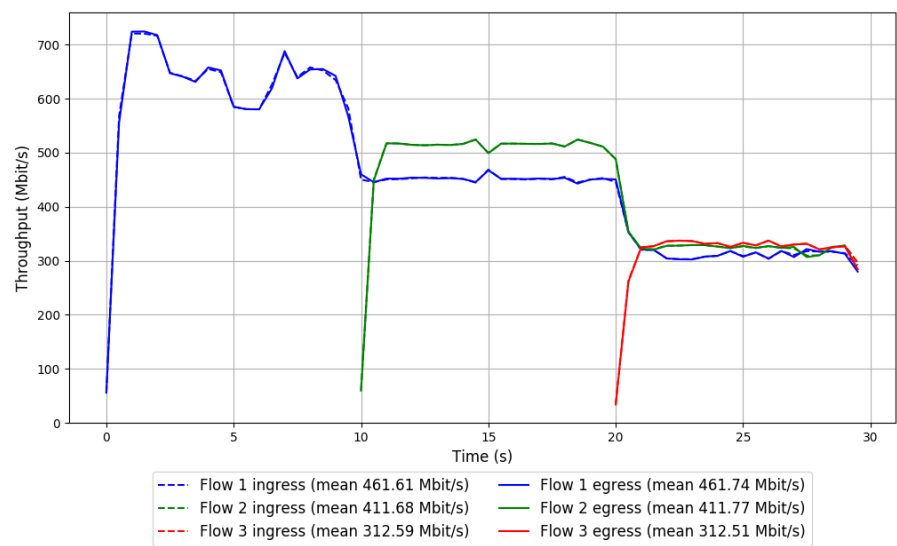


Run 3: Statistics of CalibratedKoho

Start at: 2017-10-12 04:18:36
End at: 2017-10-12 04:19:06
Local clock offset: 1.19 ms
Remote clock offset: -2.178 ms

Below is generated by plot.py at 2017-10-12 12:34:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 839.34 Mbit/s
95th percentile per-packet one-way delay: 7.580 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 461.74 Mbit/s
95th percentile per-packet one-way delay: 8.243 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 411.77 Mbit/s
95th percentile per-packet one-way delay: 4.405 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 312.51 Mbit/s
95th percentile per-packet one-way delay: 4.407 ms
Loss rate: 0.24%

Run 3: Report of CalibratedKoho — Data Link

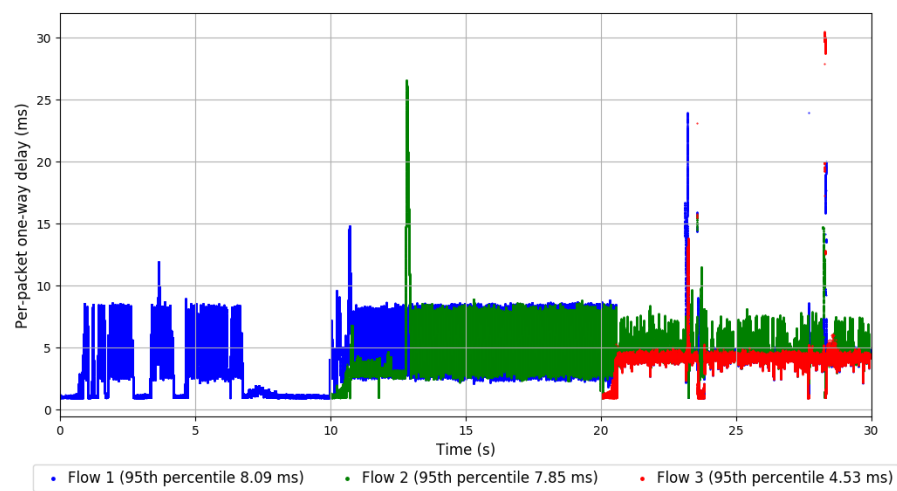
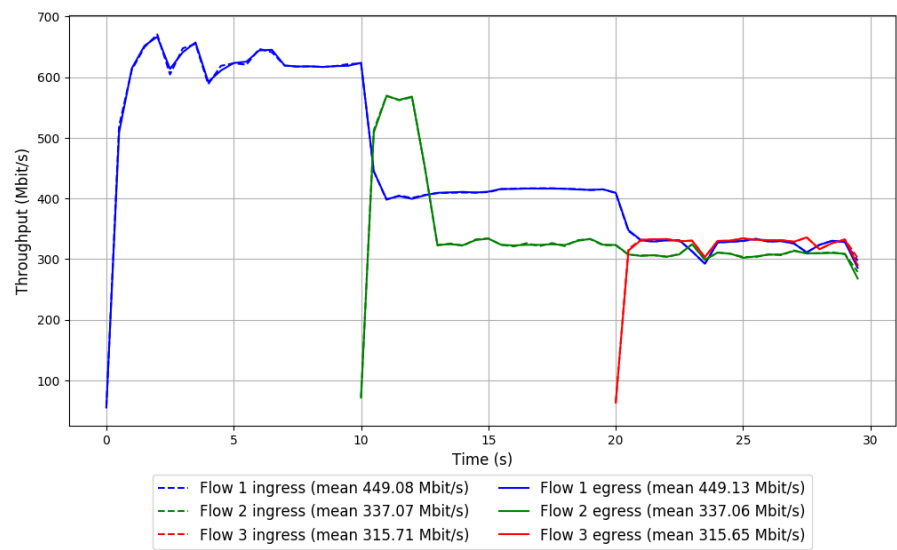


Run 4: Statistics of CalibratedKoho

Start at: 2017-10-12 04:39:59
End at: 2017-10-12 04:40:29
Local clock offset: 1.264 ms
Remote clock offset: -1.792 ms

Below is generated by plot.py at 2017-10-12 12:34:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 778.01 Mbit/s
95th percentile per-packet one-way delay: 7.939 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 449.13 Mbit/s
95th percentile per-packet one-way delay: 8.090 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 337.06 Mbit/s
95th percentile per-packet one-way delay: 7.846 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 315.65 Mbit/s
95th percentile per-packet one-way delay: 4.528 ms
Loss rate: 0.23%

Run 4: Report of CalibratedKoho — Data Link

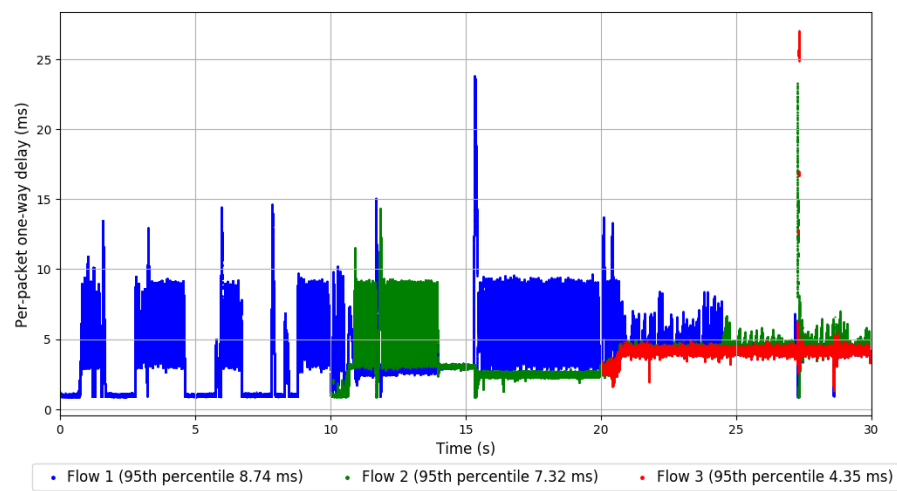
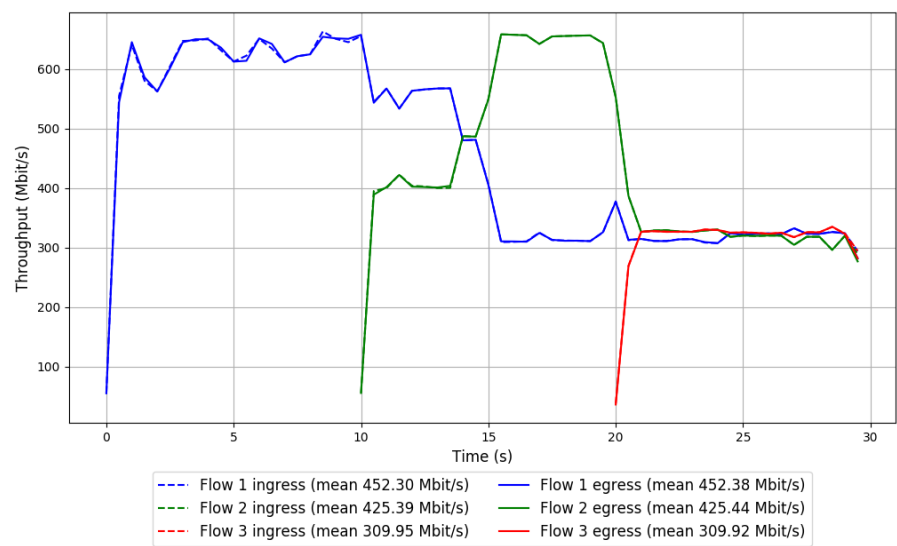


Run 5: Statistics of CalibratedKoho

Start at: 2017-10-12 05:01:16
End at: 2017-10-12 05:01:46
Local clock offset: 1.344 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2017-10-12 12:35:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 838.14 Mbit/s
95th percentile per-packet one-way delay: 8.301 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 452.38 Mbit/s
95th percentile per-packet one-way delay: 8.742 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 425.44 Mbit/s
95th percentile per-packet one-way delay: 7.320 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 309.92 Mbit/s
95th percentile per-packet one-way delay: 4.352 ms
Loss rate: 0.25%

Run 5: Report of CalibratedKoho — Data Link

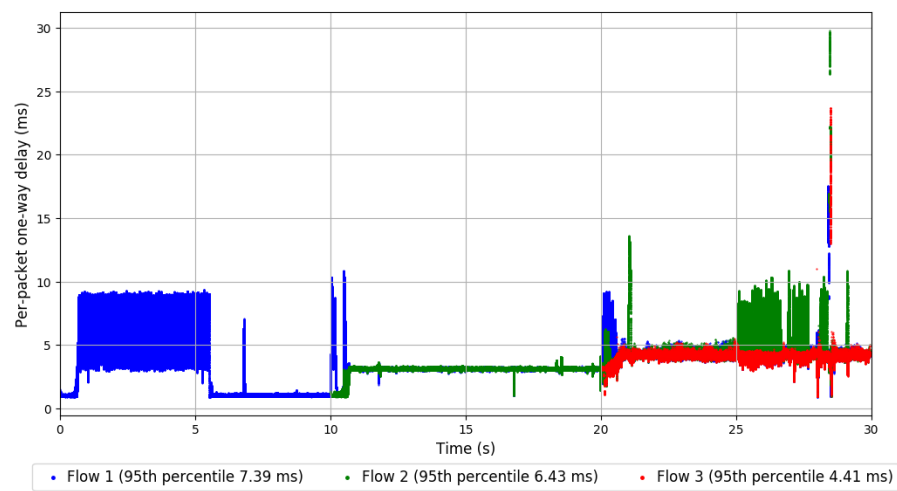
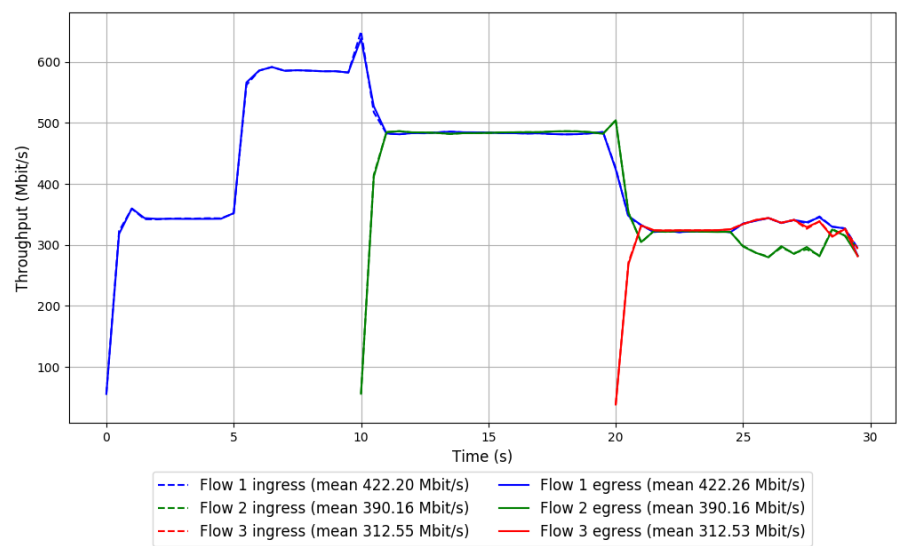


Run 6: Statistics of CalibratedKoho

Start at: 2017-10-12 05:22:32
End at: 2017-10-12 05:23:02
Local clock offset: 1.46 ms
Remote clock offset: -1.222 ms

Below is generated by plot.py at 2017-10-12 12:35:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 785.41 Mbit/s
95th percentile per-packet one-way delay: 6.812 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 422.26 Mbit/s
95th percentile per-packet one-way delay: 7.388 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 390.16 Mbit/s
95th percentile per-packet one-way delay: 6.426 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 312.53 Mbit/s
95th percentile per-packet one-way delay: 4.414 ms
Loss rate: 0.24%

Run 6: Report of CalibratedKoho — Data Link

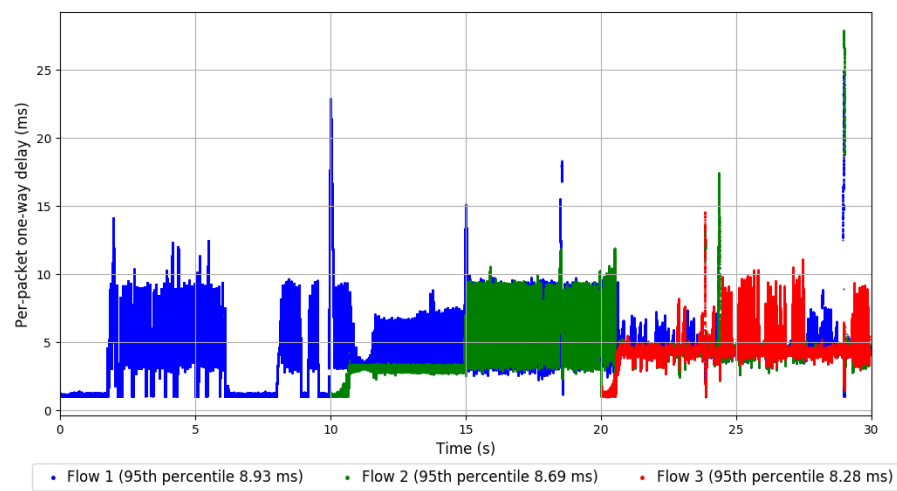
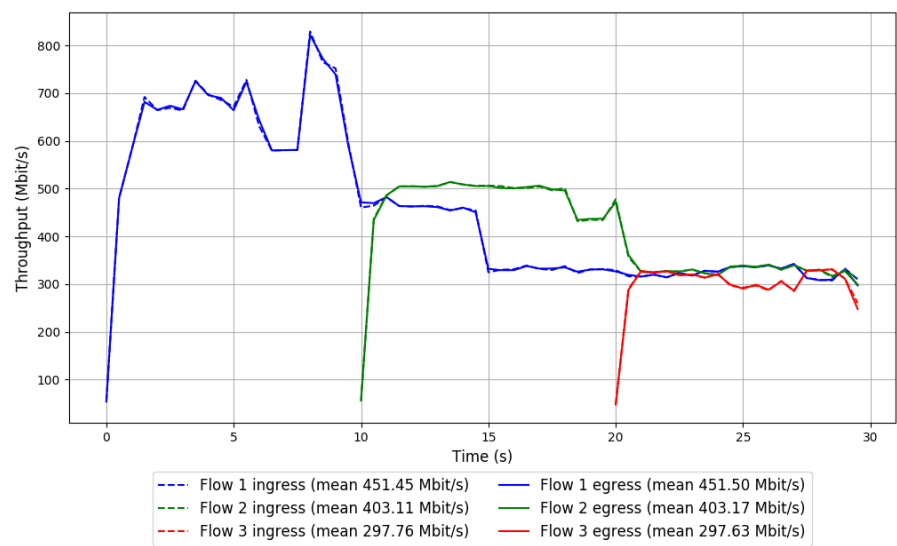


Run 7: Statistics of CalibratedKoho

Start at: 2017-10-12 05:43:53
End at: 2017-10-12 05:44:23
Local clock offset: 1.602 ms
Remote clock offset: -1.145 ms

Below is generated by plot.py at 2017-10-12 12:35:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 818.44 Mbit/s
95th percentile per-packet one-way delay: 8.813 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 451.50 Mbit/s
95th percentile per-packet one-way delay: 8.930 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 403.17 Mbit/s
95th percentile per-packet one-way delay: 8.686 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 297.63 Mbit/s
95th percentile per-packet one-way delay: 8.282 ms
Loss rate: 0.25%

Run 7: Report of CalibratedKoho — Data Link

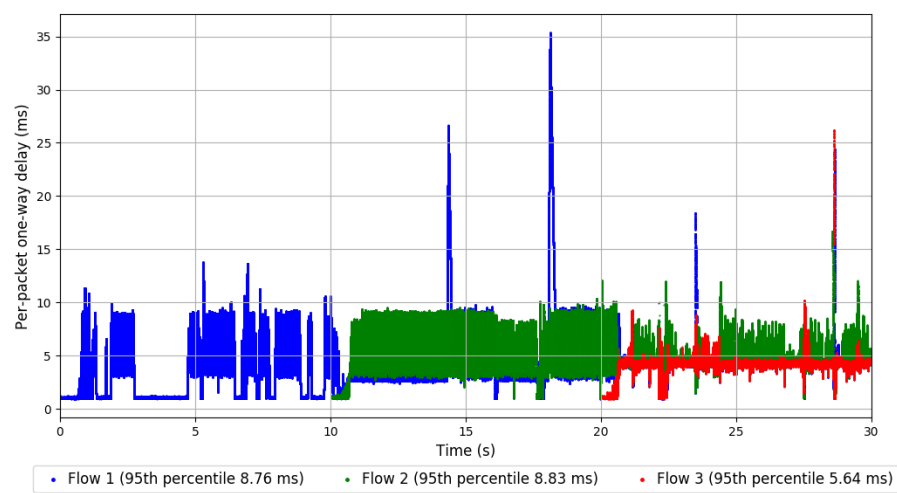
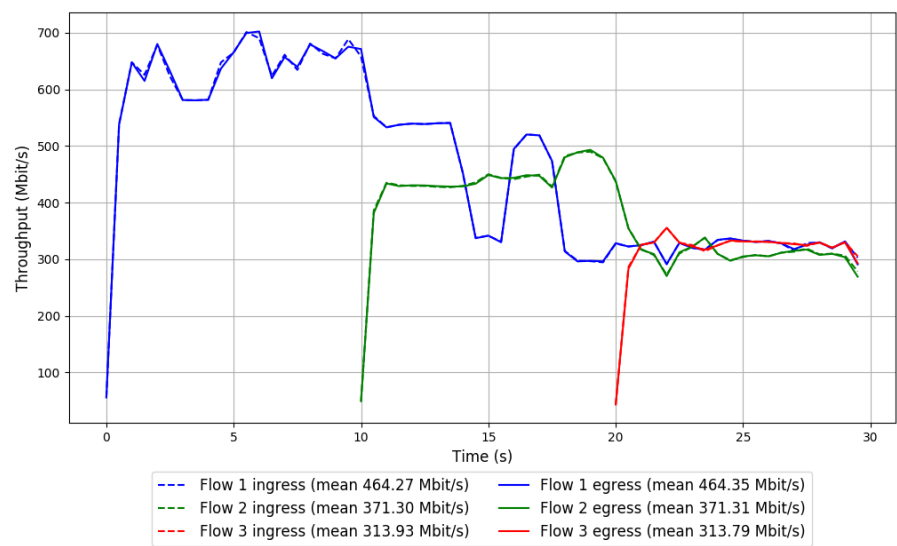


Run 8: Statistics of CalibratedKoho

Start at: 2017-10-12 06:05:11
End at: 2017-10-12 06:05:41
Local clock offset: 1.471 ms
Remote clock offset: -1.213 ms

Below is generated by plot.py at 2017-10-12 12:35:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 815.04 Mbit/s
95th percentile per-packet one-way delay: 8.684 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 464.35 Mbit/s
95th percentile per-packet one-way delay: 8.764 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 371.31 Mbit/s
95th percentile per-packet one-way delay: 8.826 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 313.79 Mbit/s
95th percentile per-packet one-way delay: 5.636 ms
Loss rate: 0.25%

Run 8: Report of CalibratedKoho — Data Link

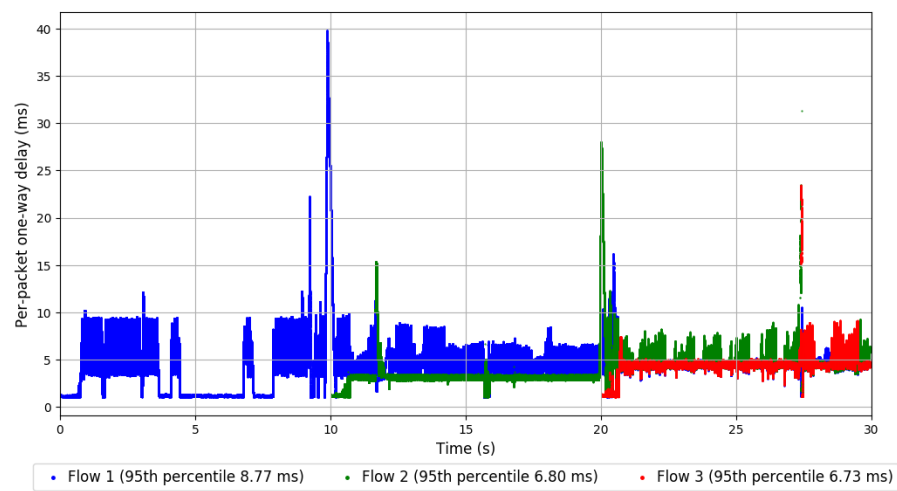
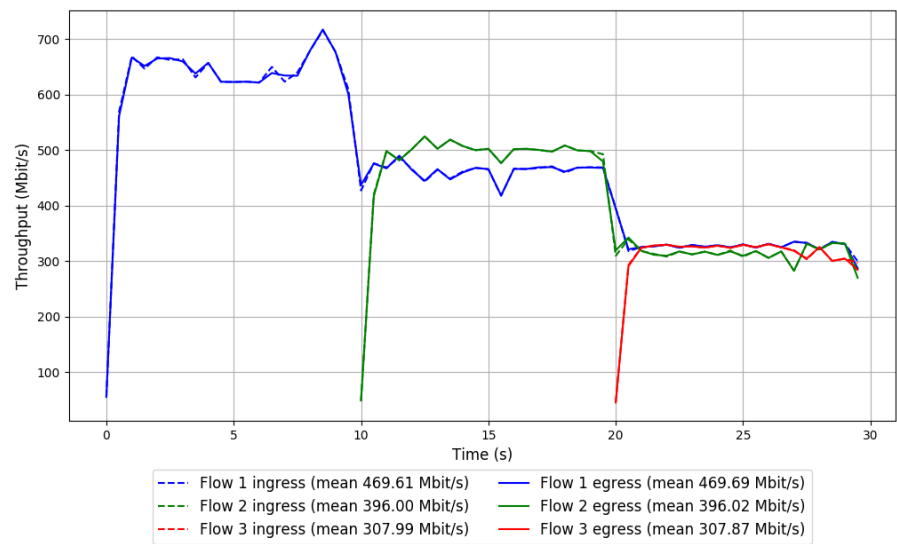


Run 9: Statistics of CalibratedKoho

Start at: 2017-10-12 06:26:13
End at: 2017-10-12 06:26:43
Local clock offset: 1.378 ms
Remote clock offset: -1.601 ms

Below is generated by plot.py at 2017-10-12 12:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 834.91 Mbit/s
95th percentile per-packet one-way delay: 8.226 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 469.69 Mbit/s
95th percentile per-packet one-way delay: 8.765 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 396.02 Mbit/s
95th percentile per-packet one-way delay: 6.796 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 307.87 Mbit/s
95th percentile per-packet one-way delay: 6.734 ms
Loss rate: 0.25%

Run 9: Report of CalibratedKoho — Data Link

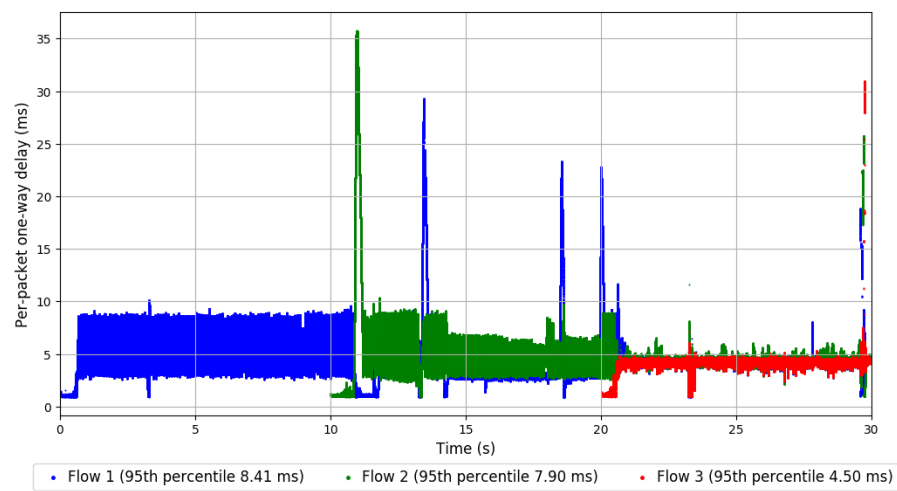
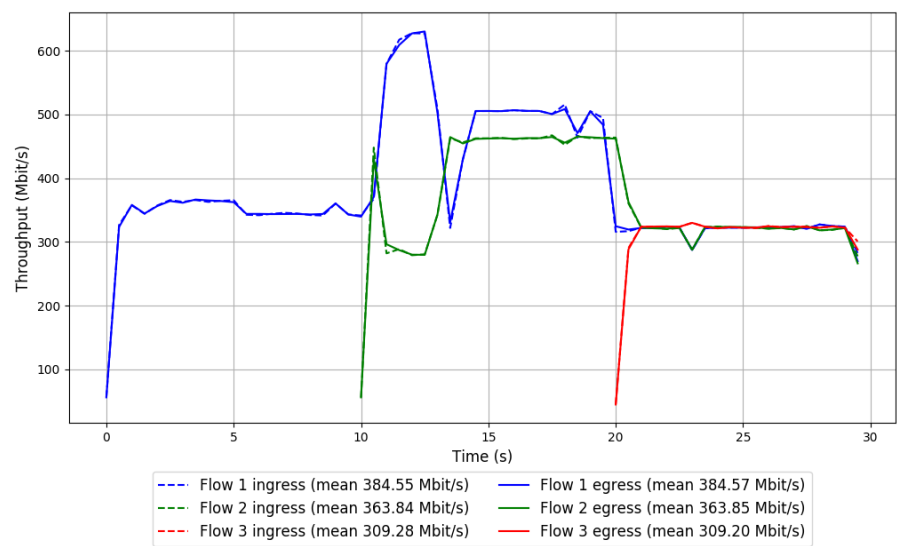


Run 10: Statistics of CalibratedKoho

Start at: 2017-10-12 06:47:33
End at: 2017-10-12 06:48:03
Local clock offset: 1.174 ms
Remote clock offset: -1.209 ms

Below is generated by plot.py at 2017-10-12 12:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 729.10 Mbit/s
95th percentile per-packet one-way delay: 8.153 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 384.57 Mbit/s
95th percentile per-packet one-way delay: 8.409 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 363.85 Mbit/s
95th percentile per-packet one-way delay: 7.898 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 309.20 Mbit/s
95th percentile per-packet one-way delay: 4.505 ms
Loss rate: 0.25%

Run 10: Report of CalibratedKoho — Data Link

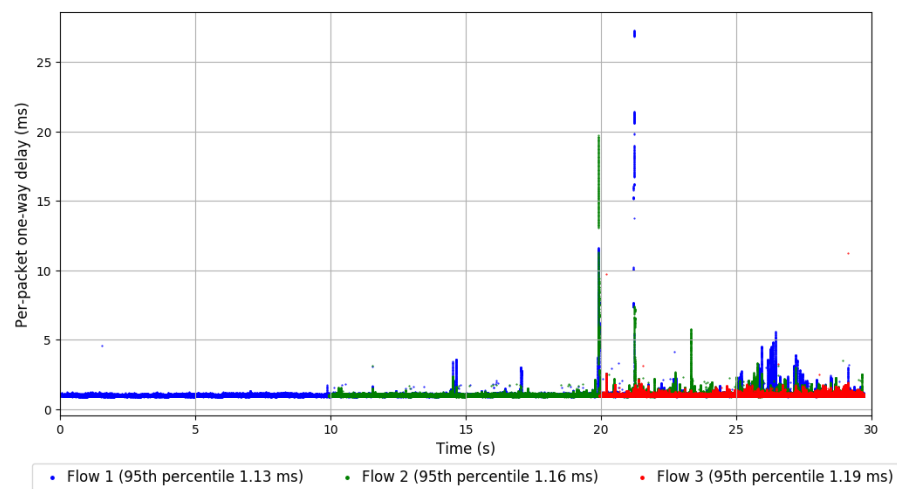
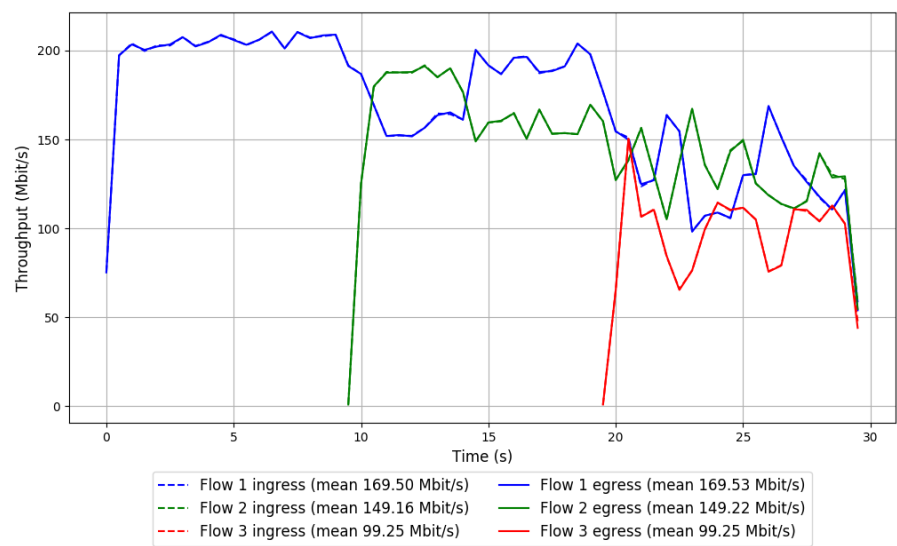


Run 1: Statistics of Indigo

Start at: 2017-10-12 03:53:24
End at: 2017-10-12 03:53:54
Local clock offset: 1.025 ms
Remote clock offset: -2.981 ms

Below is generated by plot.py at 2017-10-12 12:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.52 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 169.53 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 149.22 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 99.25 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.20%

Run 1: Report of Indigo — Data Link

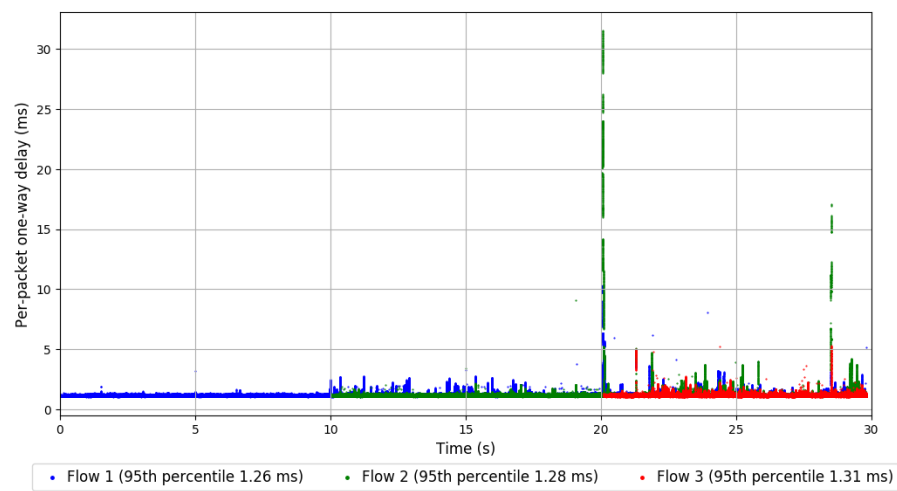
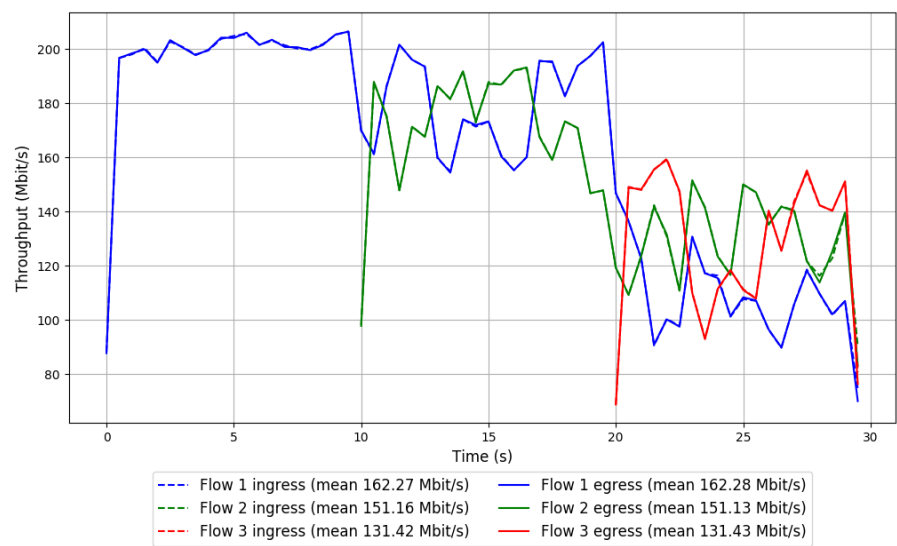


Run 2: Statistics of Indigo

Start at: 2017-10-12 04:14:34
End at: 2017-10-12 04:15:04
Local clock offset: 1.278 ms
Remote clock offset: -2.324 ms

Below is generated by plot.py at 2017-10-12 12:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.36 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 162.28 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 151.13 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 131.43 Mbit/s
95th percentile per-packet one-way delay: 1.312 ms
Loss rate: 0.17%

Run 2: Report of Indigo — Data Link

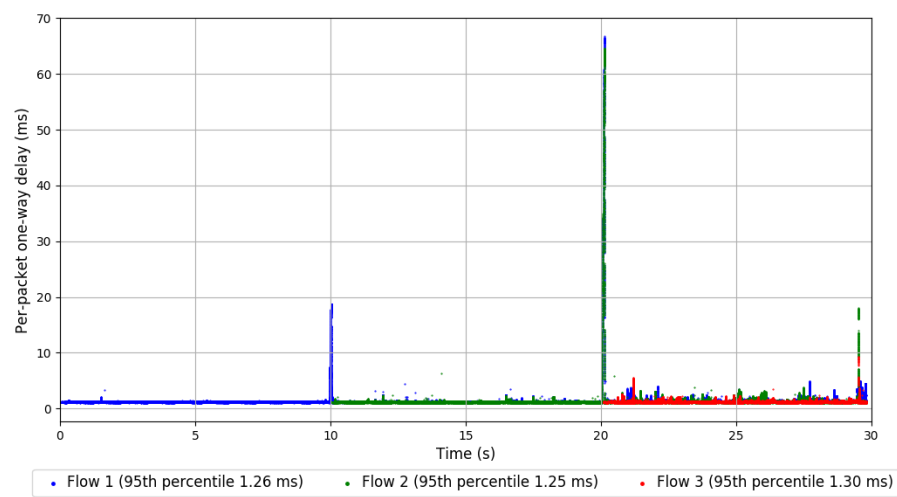
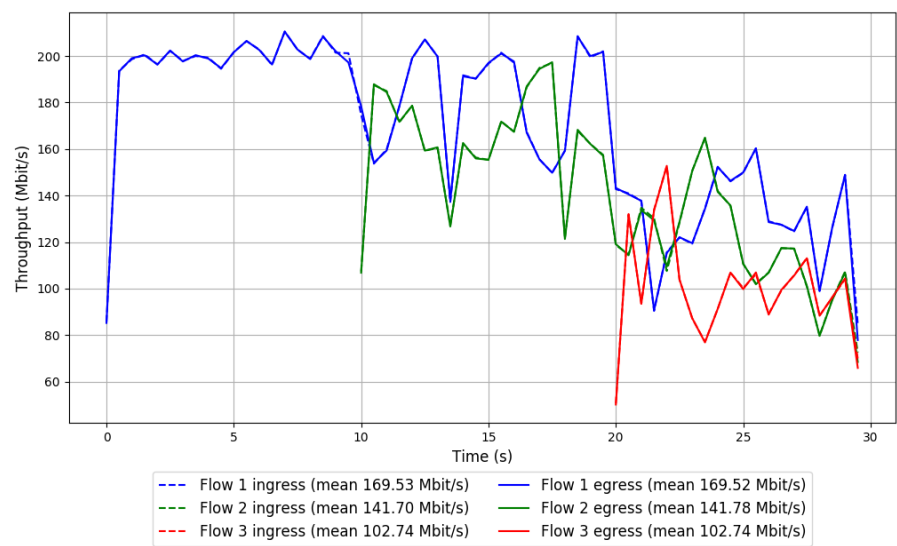


Run 3: Statistics of Indigo

Start at: 2017-10-12 04:35:56
End at: 2017-10-12 04:36:26
Local clock offset: 1.331 ms
Remote clock offset: -1.841 ms

Below is generated by plot.py at 2017-10-12 12:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.10 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 169.52 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 141.78 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 102.74 Mbit/s
95th percentile per-packet one-way delay: 1.305 ms
Loss rate: 0.20%

Run 3: Report of Indigo — Data Link

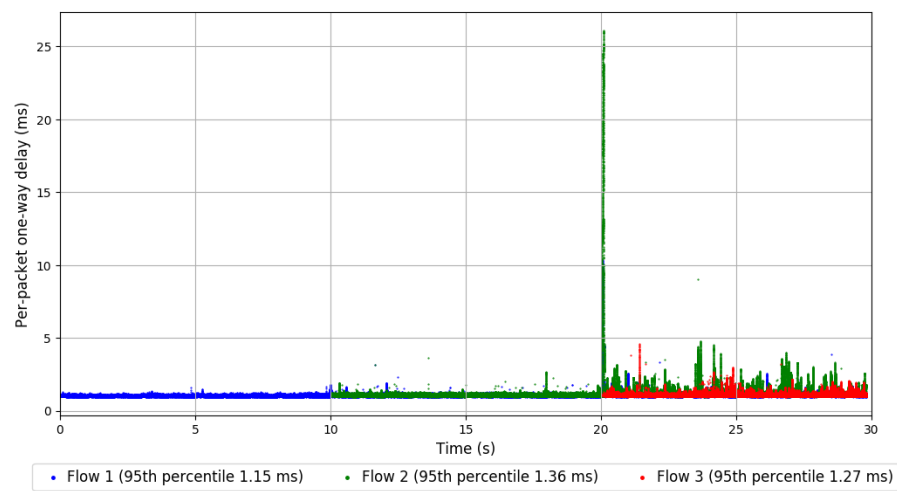
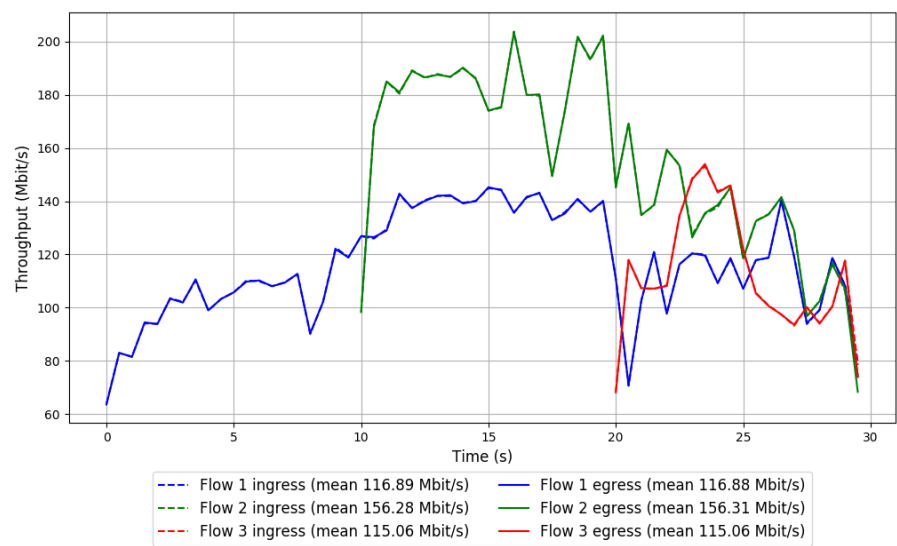


Run 4: Statistics of Indigo

Start at: 2017-10-12 04:57:17
End at: 2017-10-12 04:57:47
Local clock offset: 1.409 ms
Remote clock offset: -1.448 ms

Below is generated by plot.py at 2017-10-12 12:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.18 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 116.88 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 156.31 Mbit/s
95th percentile per-packet one-way delay: 1.365 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 115.06 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.22%

Run 4: Report of Indigo — Data Link

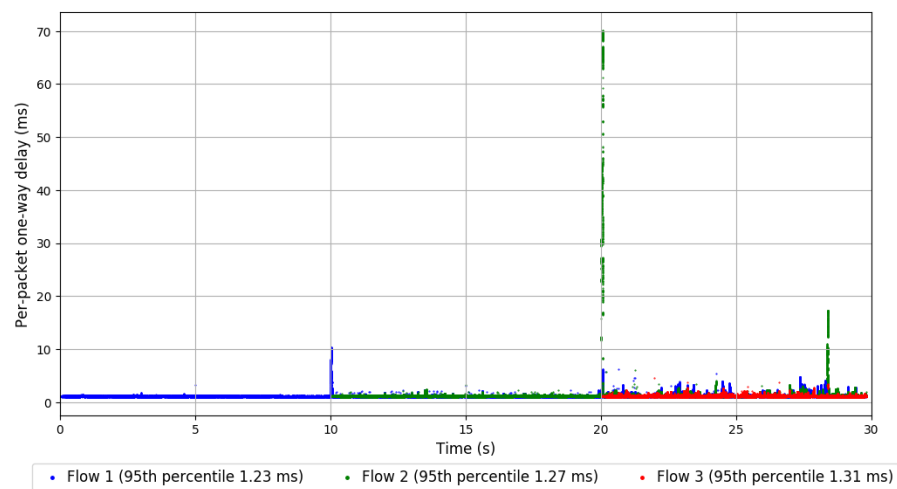
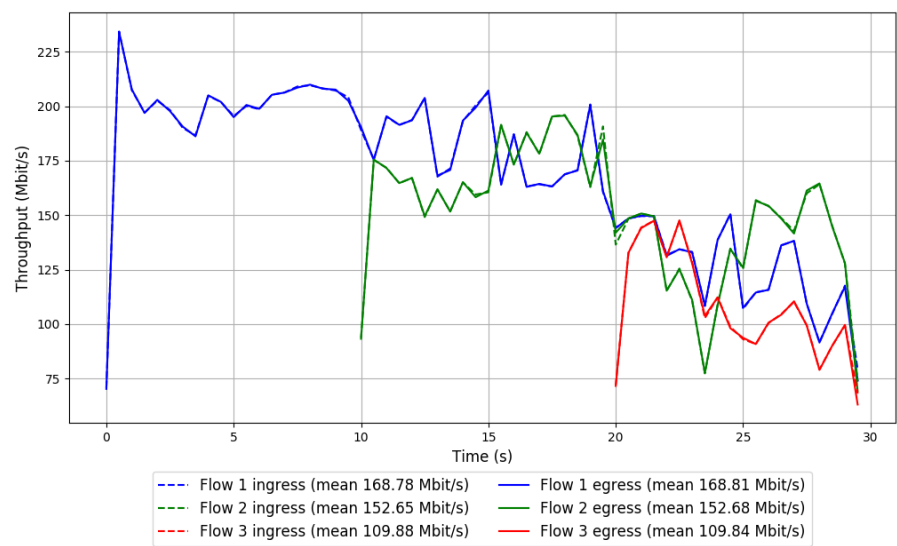


Run 5: Statistics of Indigo

Start at: 2017-10-12 05:18:31
End at: 2017-10-12 05:19:01
Local clock offset: 1.524 ms
Remote clock offset: -1.236 ms

Below is generated by plot.py at 2017-10-12 12:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.01 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 168.81 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 152.68 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 109.84 Mbit/s
95th percentile per-packet one-way delay: 1.312 ms
Loss rate: 0.23%

Run 5: Report of Indigo — Data Link

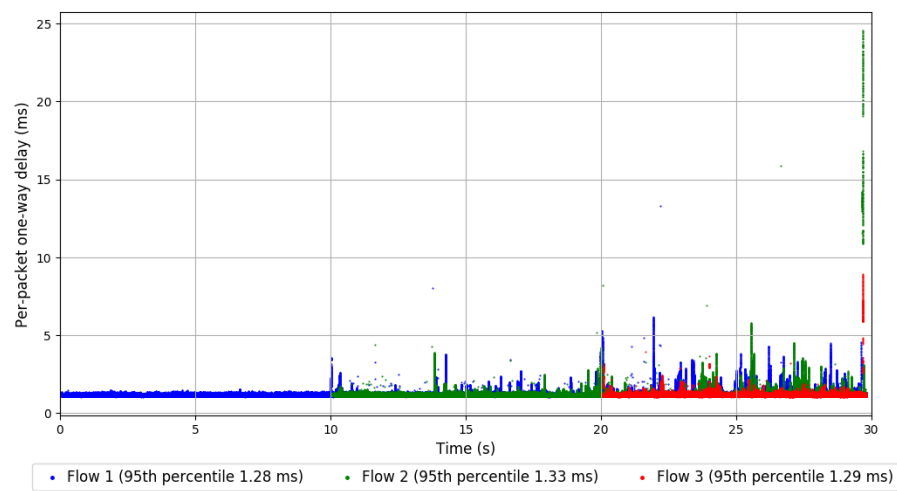
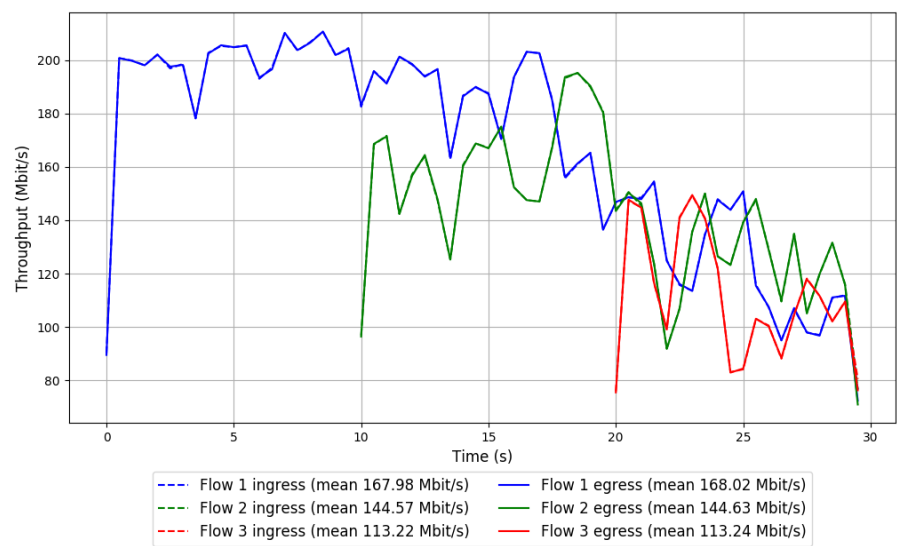


Run 6: Statistics of Indigo

Start at: 2017-10-12 05:39:51
End at: 2017-10-12 05:40:21
Local clock offset: 1.635 ms
Remote clock offset: -1.099 ms

Below is generated by plot.py at 2017-10-12 12:41:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.13 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 168.02 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 144.63 Mbit/s
95th percentile per-packet one-way delay: 1.335 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 113.24 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.21%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

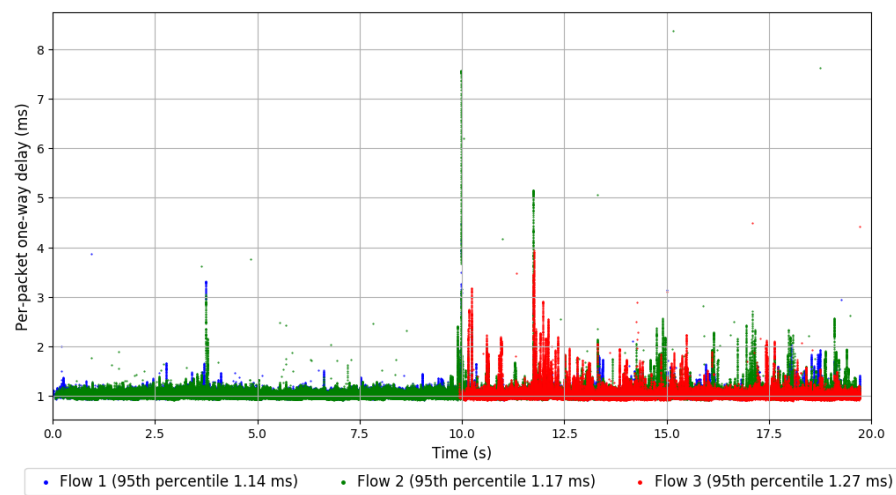
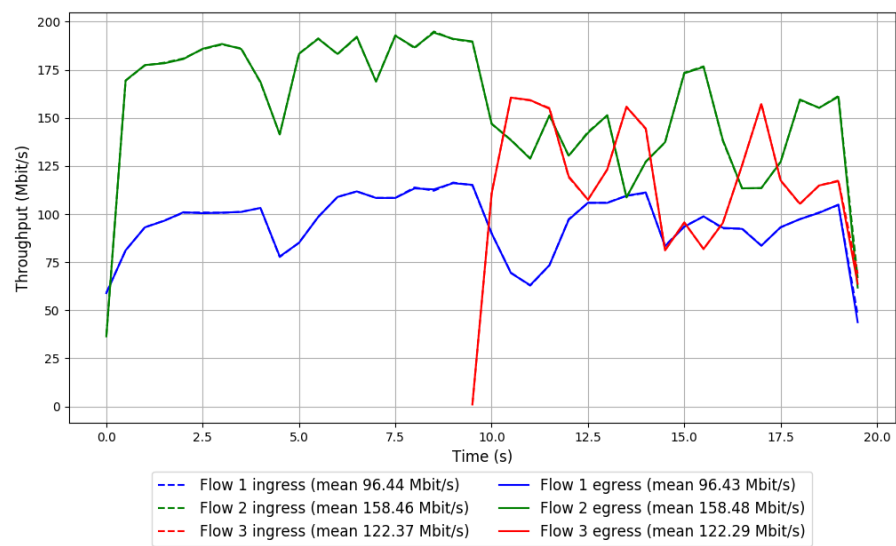
Start at: 2017-10-12 06:01:13

End at: 2017-10-12 06:01:43

Local clock offset: 1.401 ms

Remote clock offset: -1.196 ms

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

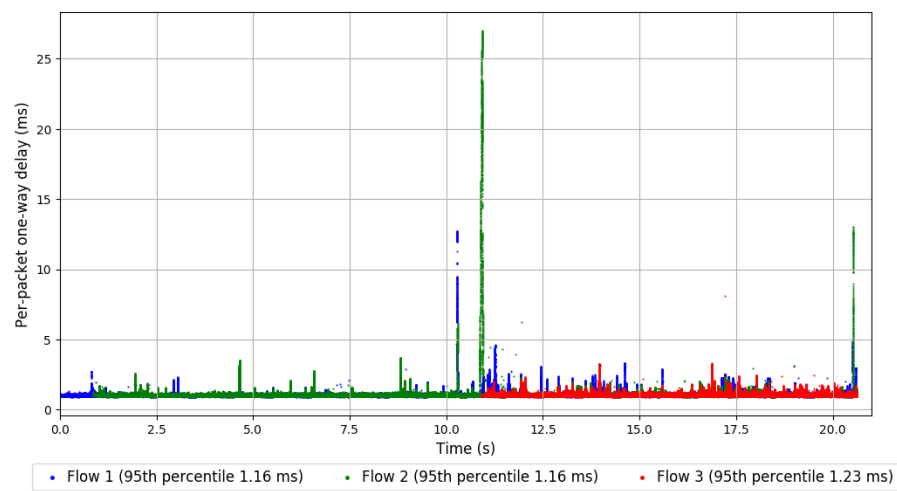
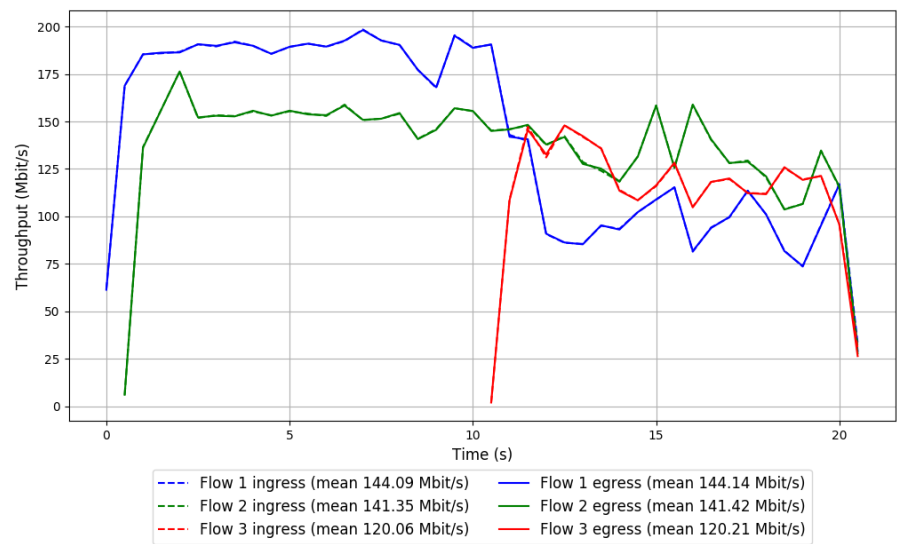
Start at: 2017-10-12 06:22:20

End at: 2017-10-12 06:22:50

Local clock offset: 1.378 ms

Remote clock offset: -1.487 ms

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

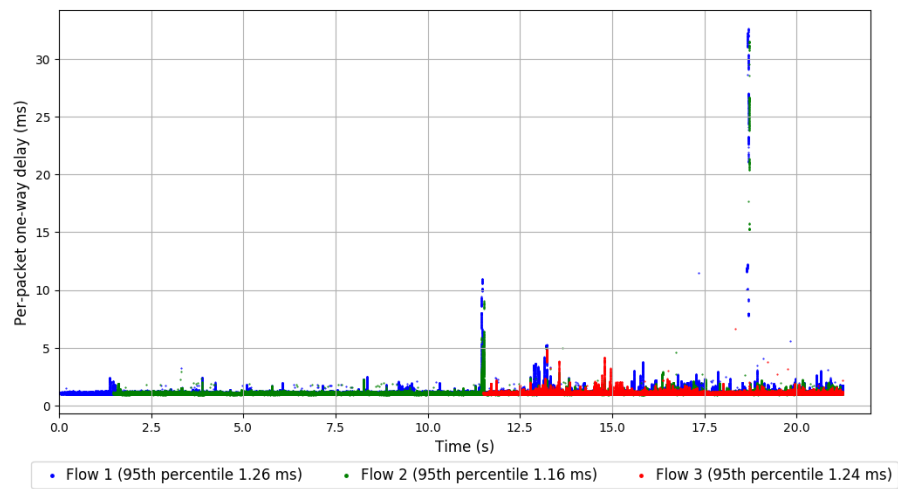
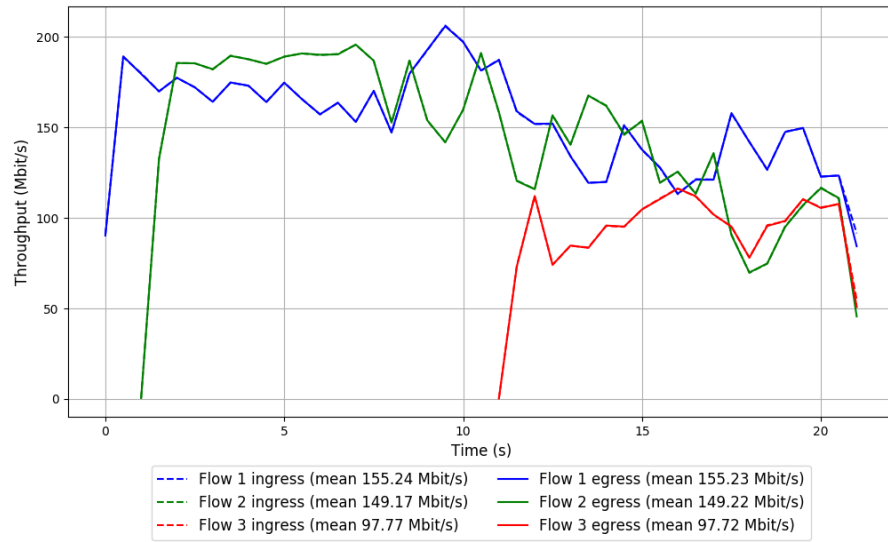
Start at: 2017-10-12 06:43:34

End at: 2017-10-12 06:44:04

Local clock offset: 1.163 ms

Remote clock offset: -1.297 ms

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-10-12 07:04:40

End at: 2017-10-12 07:05:10

Local clock offset: 1.398 ms

Remote clock offset: -1.056 ms

Run 10: Report of Indigo — Data Link

