

Pantheon Report

Generated at 2018-02-16 22:16:29 (UTC).

Data path: Stanford Ethernet (*remote*) → AWS California 1 Ethernet (*local*).

Repeated the test of 17 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).

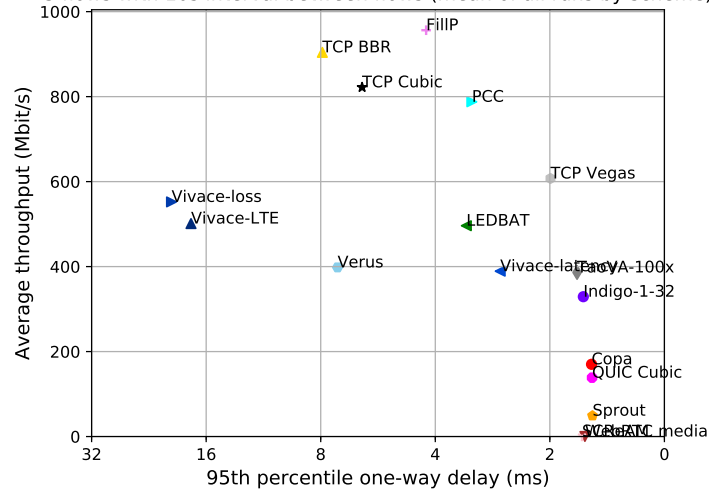
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

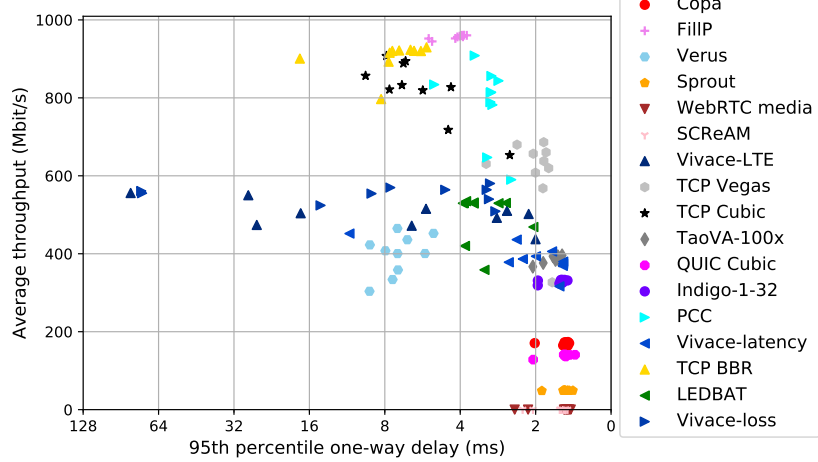
Git summary:

```
branch: master @ cccb2d77344969a7bac1df6edf6c0cfb6c77a6f8
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 8400b8926887fc4cf8c795a1d7ce2c8ac041ec72
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
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



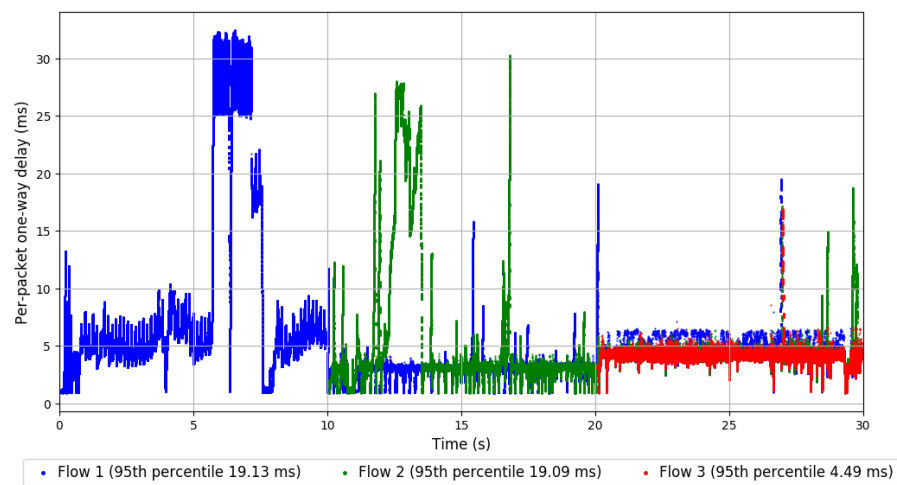
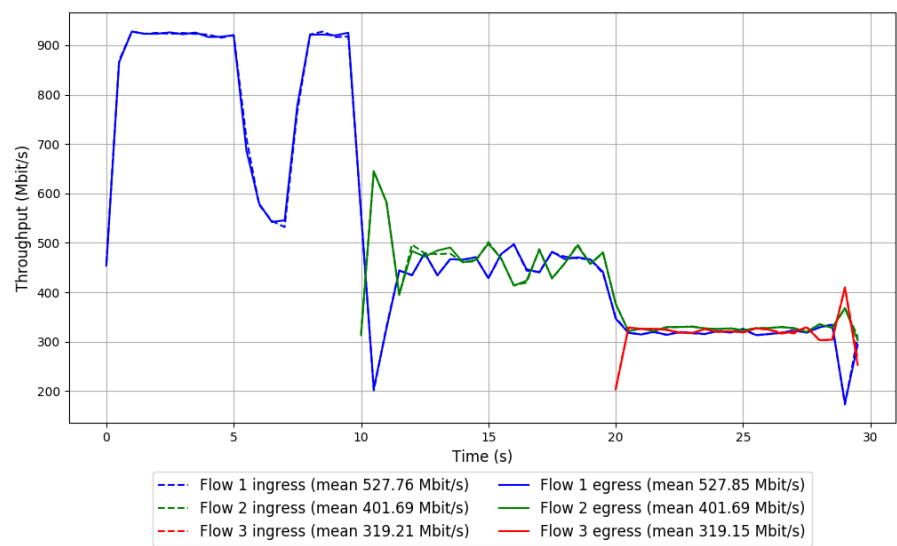
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	539.63	389.54	318.58	8.71	6.76	4.78	0.13	0.12	0.32
TCP Cubic	10	469.09	383.31	295.45	7.20	4.27	4.19	0.05	0.10	0.23
LEDBAT	10	273.32	243.28	184.79	3.20	3.61	2.73	0.07	0.08	0.27
PCC	10	584.92	227.41	158.28	4.08	2.86	2.77	0.33	0.25	0.30
QUIC Cubic	10	74.08	67.80	59.00	1.26	1.27	1.18	0.06	0.11	0.16
SCReAM	10	0.21	0.22	0.22	1.42	1.46	1.34	0.06	0.00	0.25
WebRTC media	10	0.06	0.06	0.06	1.16	1.27	1.31	0.01	0.58	0.80
Sprout	10	24.76	24.55	24.47	1.28	1.19	1.19	0.10	0.14	0.28
TaoVA-100x	10	214.40	192.79	131.85	1.43	1.66	1.72	0.04	0.08	0.21
TCP Vegas	10	309.07	313.86	270.06	1.80	2.04	2.25	0.06	0.10	0.21
Verus	10	235.21	177.53	135.74	11.88	5.25	3.48	0.41	0.12	0.24
Copa	10	86.42	85.13	81.73	1.26	1.28	1.30	0.06	0.07	0.15
FillP	10	593.48	394.73	307.35	6.58	4.19	4.22	0.48	0.23	0.41
Indigo-1-32	10	175.93	163.03	137.65	1.39	1.41	1.44	0.08	0.11	0.24
Vivace-latency	10	278.78	119.89	93.60	5.69	1.44	1.30	0.09	0.13	0.32
Vivace-loss	10	335.25	247.22	160.91	24.07	15.14	2.08	0.81	0.25	0.25
Vivace-LTE	10	343.70	170.78	134.41	30.68	1.86	1.73	0.60	0.24	0.31

Run 1: Statistics of TCP BBR

Start at: 2018-02-16 11:01:03
End at: 2018-02-16 11:01:33
Local clock offset: 0.444 ms
Remote clock offset: -6.106 ms

Below is generated by plot.py at 2018-02-16 20:07:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 900.78 Mbit/s
95th percentile per-packet one-way delay: 17.468 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 527.85 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 401.69 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 319.15 Mbit/s
95th percentile per-packet one-way delay: 4.488 ms
Loss rate: 0.24%

Run 1: Report of TCP BBR — Data Link

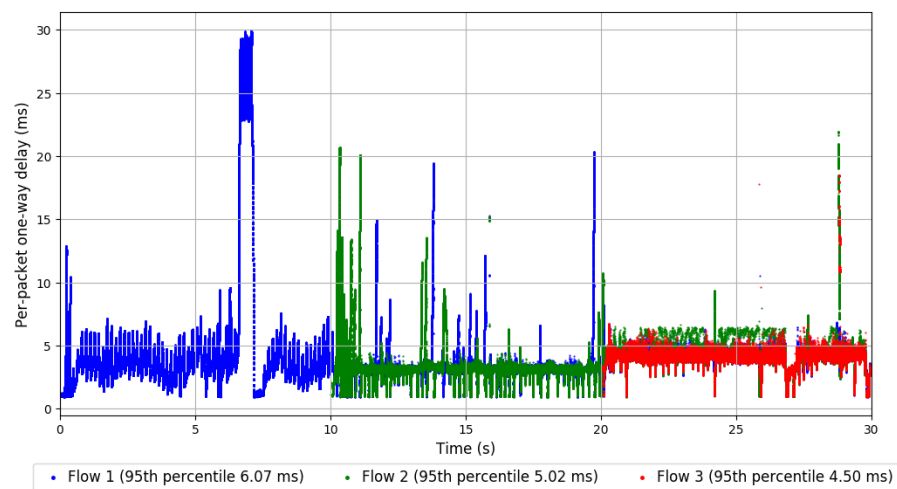
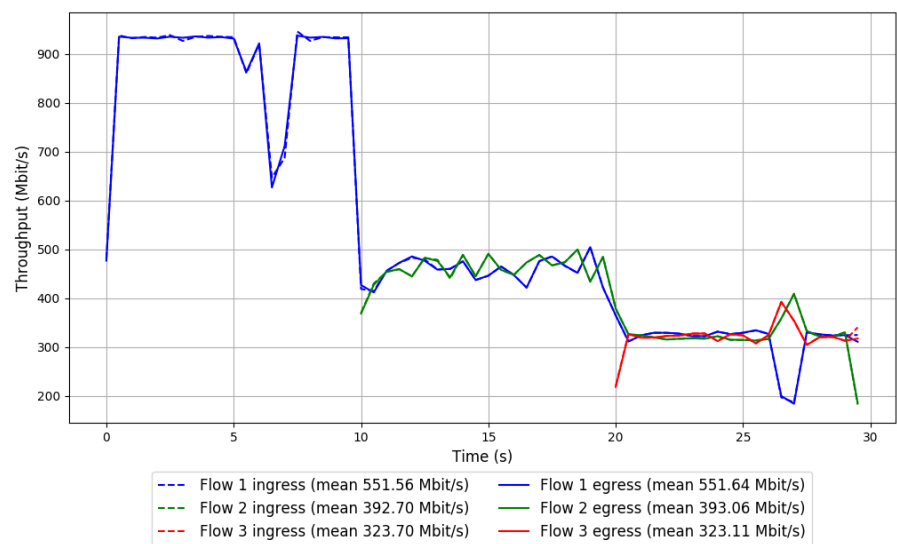


Run 2: Statistics of TCP BBR

Start at: 2018-02-16 11:27:54
End at: 2018-02-16 11:28:24
Local clock offset: 0.294 ms
Remote clock offset: -6.876 ms

Below is generated by plot.py at 2018-02-16 20:07:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 920.18 Mbit/s
95th percentile per-packet one-way delay: 5.742 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 551.64 Mbit/s
95th percentile per-packet one-way delay: 6.068 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.06 Mbit/s
95th percentile per-packet one-way delay: 5.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 323.11 Mbit/s
95th percentile per-packet one-way delay: 4.498 ms
Loss rate: 0.40%

Run 2: Report of TCP BBR — Data Link

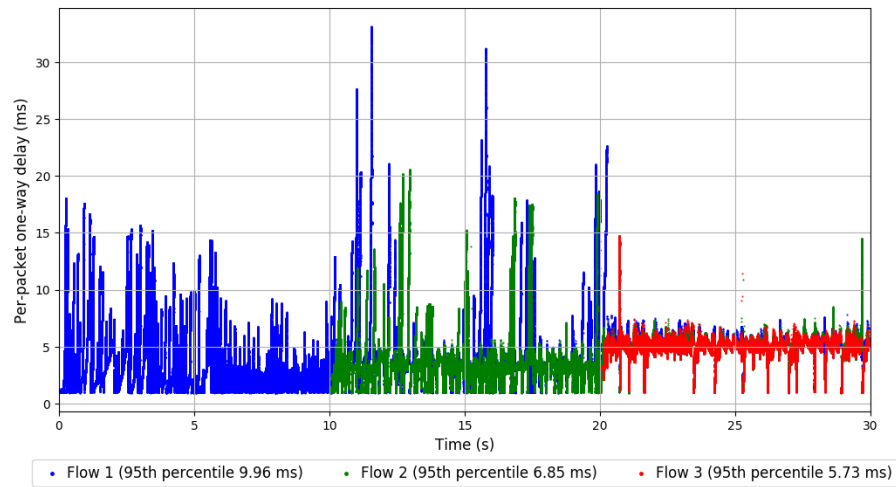
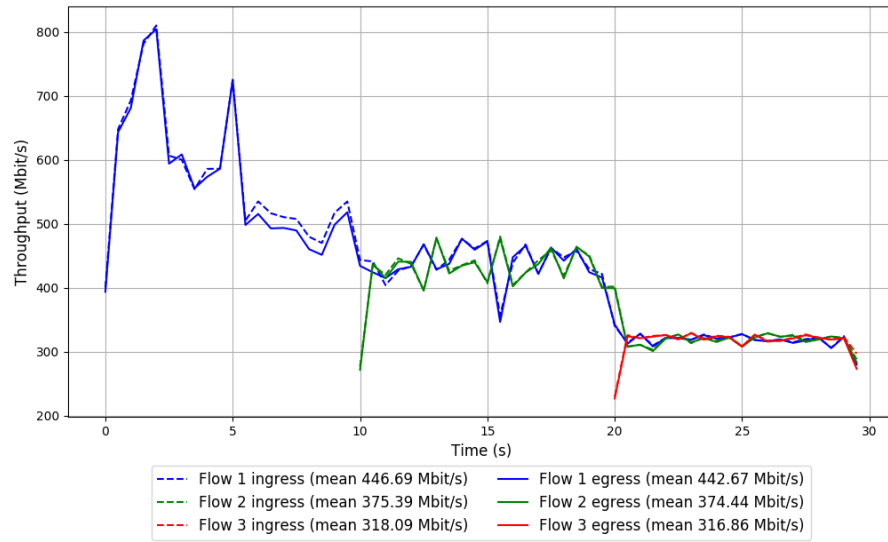


Run 3: Statistics of TCP BBR

Start at: 2018-02-16 11:54:34
End at: 2018-02-16 11:55:04
Local clock offset: 0.087 ms
Remote clock offset: -5.597 ms

Below is generated by plot.py at 2018-02-16 20:07:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 796.91 Mbit/s
95th percentile per-packet one-way delay: 8.277 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 442.67 Mbit/s
95th percentile per-packet one-way delay: 9.960 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 374.44 Mbit/s
95th percentile per-packet one-way delay: 6.853 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 316.86 Mbit/s
95th percentile per-packet one-way delay: 5.727 ms
Loss rate: 0.59%

Run 3: Report of TCP BBR — Data Link

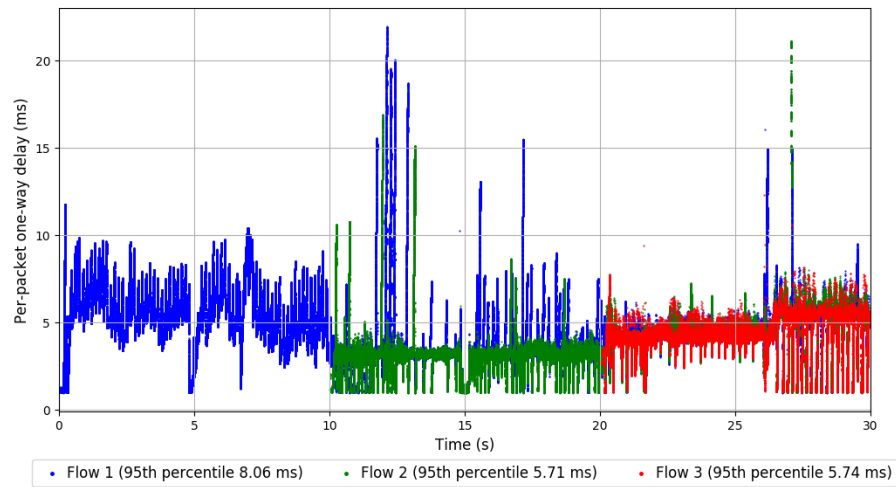
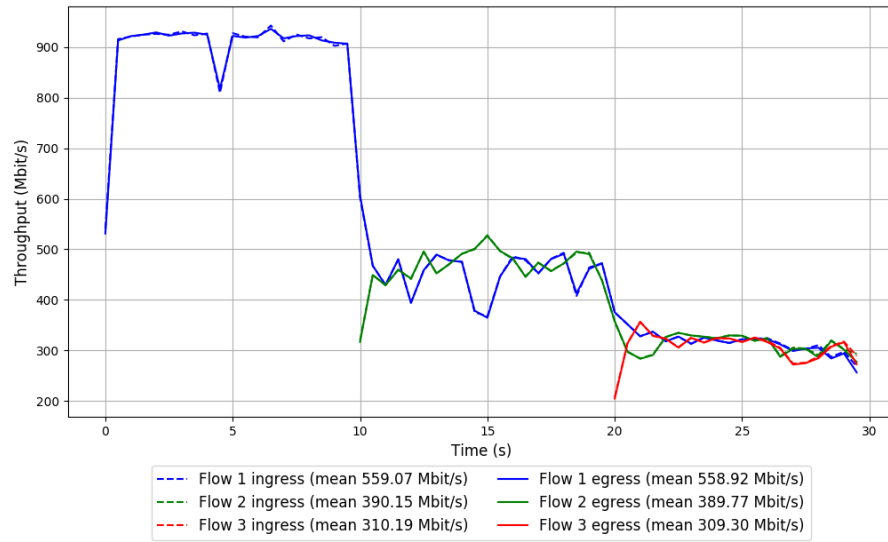


Run 4: Statistics of TCP BBR

Start at: 2018-02-16 12:21:34
End at: 2018-02-16 12:22:04
Local clock offset: 0.314 ms
Remote clock offset: -5.081 ms

Below is generated by plot.py at 2018-02-16 20:07:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 920.49 Mbit/s
95th percentile per-packet one-way delay: 7.466 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 558.92 Mbit/s
95th percentile per-packet one-way delay: 8.057 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 389.77 Mbit/s
95th percentile per-packet one-way delay: 5.709 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 309.30 Mbit/s
95th percentile per-packet one-way delay: 5.744 ms
Loss rate: 0.52%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-02-16 12:48:31

End at: 2018-02-16 12:49:01

Local clock offset: 0.388 ms

Remote clock offset: -5.31 ms

Below is generated by plot.py at 2018-02-16 20:07:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 921.64 Mbit/s

95th percentile per-packet one-way delay: 7.012 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 557.07 Mbit/s

95th percentile per-packet one-way delay: 7.852 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 384.51 Mbit/s

95th percentile per-packet one-way delay: 4.563 ms

Loss rate: 0.10%

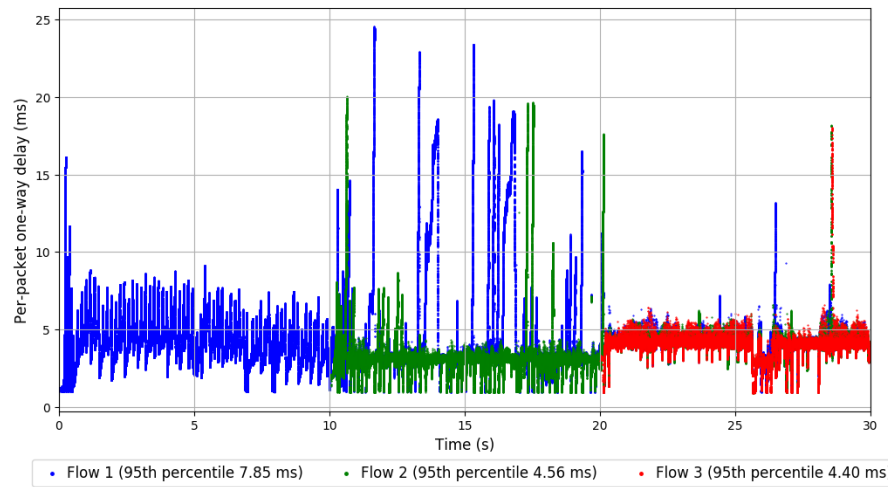
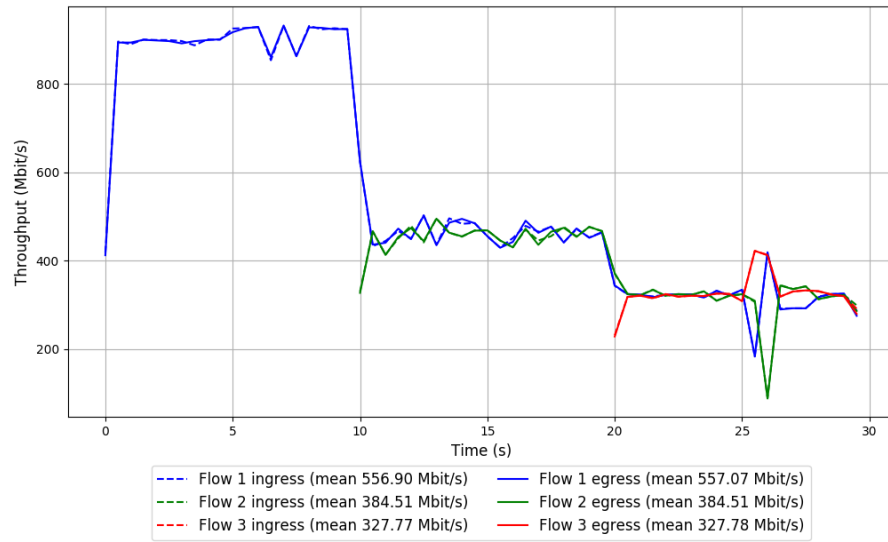
-- Flow 3:

Average throughput: 327.78 Mbit/s

95th percentile per-packet one-way delay: 4.398 ms

Loss rate: 0.23%

Run 5: Report of TCP BBR — Data Link

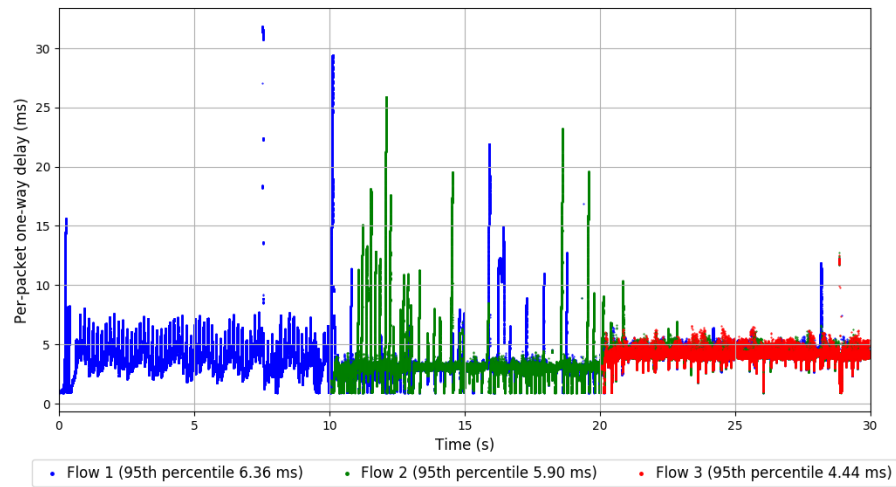
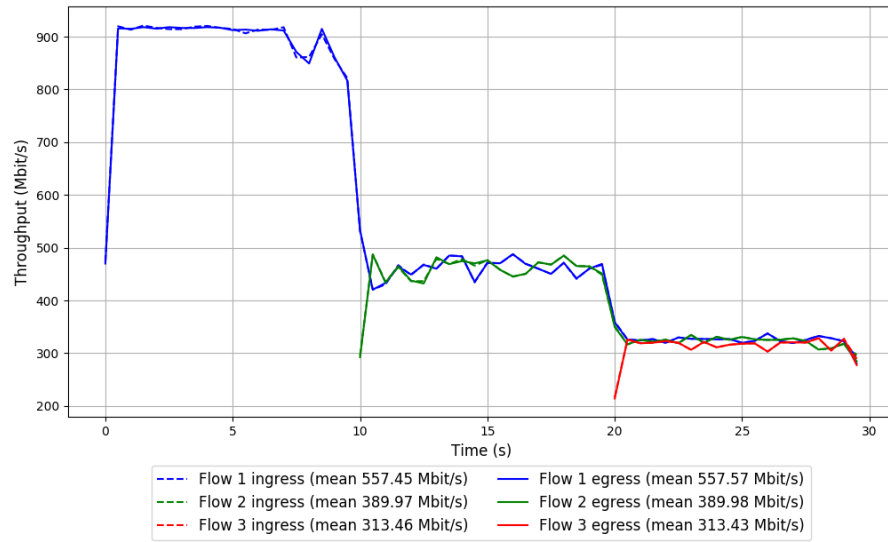


Run 6: Statistics of TCP BBR

Start at: 2018-02-16 13:15:19
End at: 2018-02-16 13:15:49
Local clock offset: 0.206 ms
Remote clock offset: -6.543 ms

Below is generated by plot.py at 2018-02-16 20:07:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 920.63 Mbit/s
95th percentile per-packet one-way delay: 6.113 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 557.57 Mbit/s
95th percentile per-packet one-way delay: 6.356 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 389.98 Mbit/s
95th percentile per-packet one-way delay: 5.904 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 313.43 Mbit/s
95th percentile per-packet one-way delay: 4.437 ms
Loss rate: 0.23%

Run 6: Report of TCP BBR — Data Link

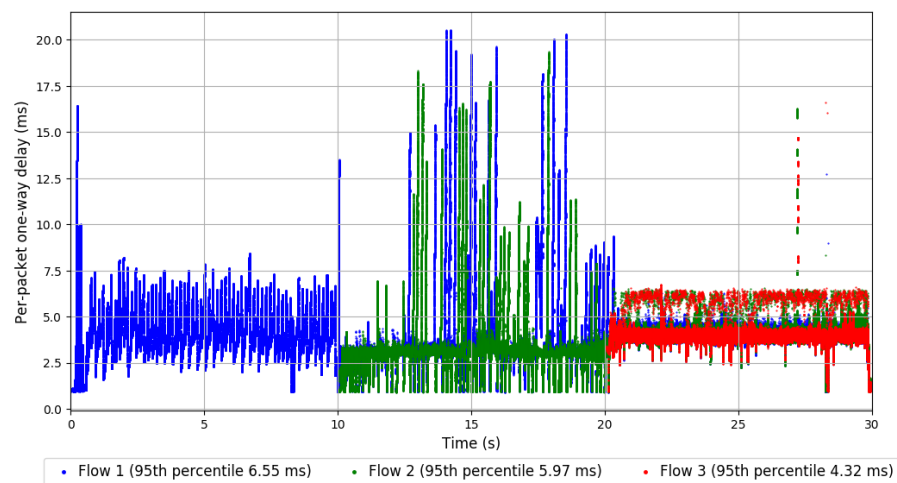
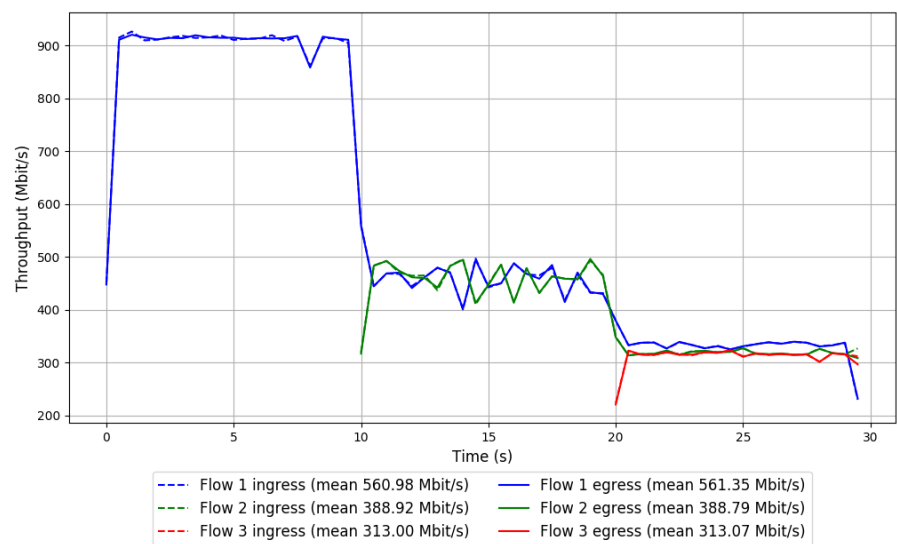


Run 7: Statistics of TCP BBR

Start at: 2018-02-16 13:41:59
End at: 2018-02-16 13:42:29
Local clock offset: 0.109 ms
Remote clock offset: -8.497 ms

Below is generated by plot.py at 2018-02-16 20:07:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 923.45 Mbit/s
95th percentile per-packet one-way delay: 6.319 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 561.35 Mbit/s
95th percentile per-packet one-way delay: 6.547 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 388.79 Mbit/s
95th percentile per-packet one-way delay: 5.968 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 313.07 Mbit/s
95th percentile per-packet one-way delay: 4.319 ms
Loss rate: 0.29%

Run 7: Report of TCP BBR — Data Link

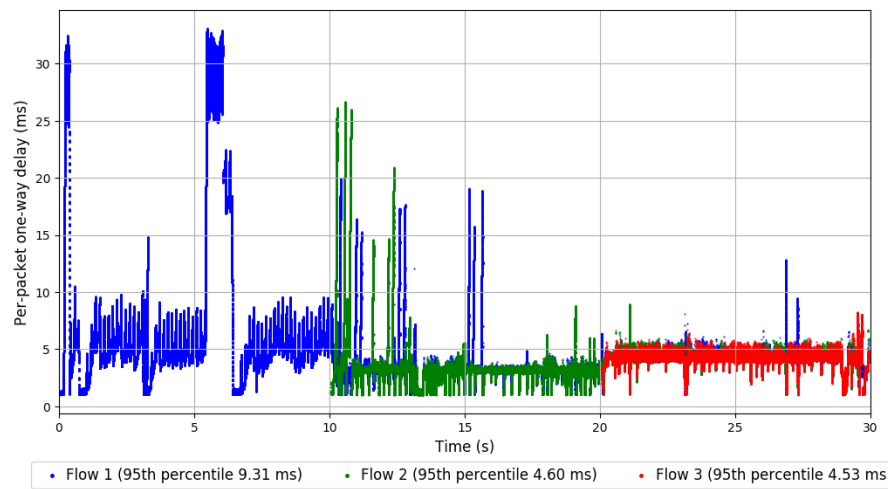
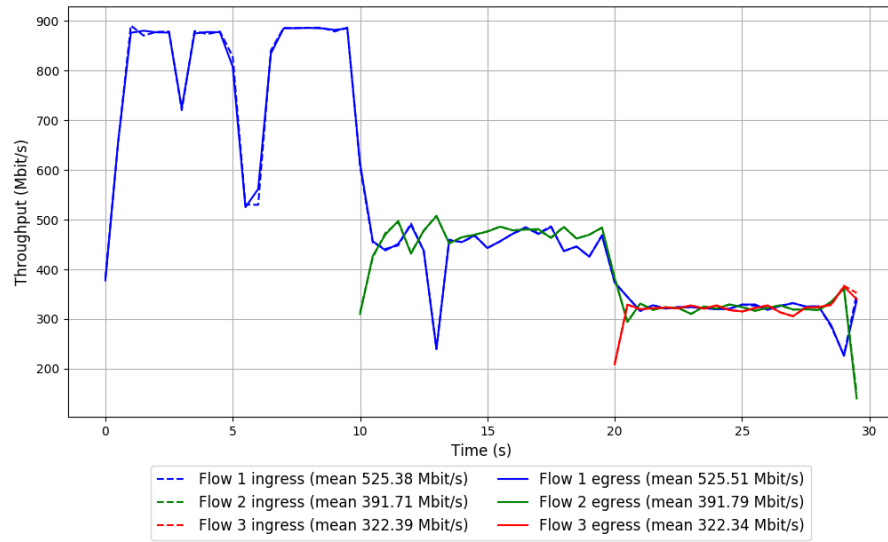


Run 8: Statistics of TCP BBR

Start at: 2018-02-16 14:09:04
End at: 2018-02-16 14:09:34
Local clock offset: 0.071 ms
Remote clock offset: -7.343 ms

Below is generated by plot.py at 2018-02-16 20:07:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 892.87 Mbit/s
95th percentile per-packet one-way delay: 7.724 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 525.51 Mbit/s
95th percentile per-packet one-way delay: 9.308 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 391.79 Mbit/s
95th percentile per-packet one-way delay: 4.598 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 322.34 Mbit/s
95th percentile per-packet one-way delay: 4.529 ms
Loss rate: 0.24%

Run 8: Report of TCP BBR — Data Link

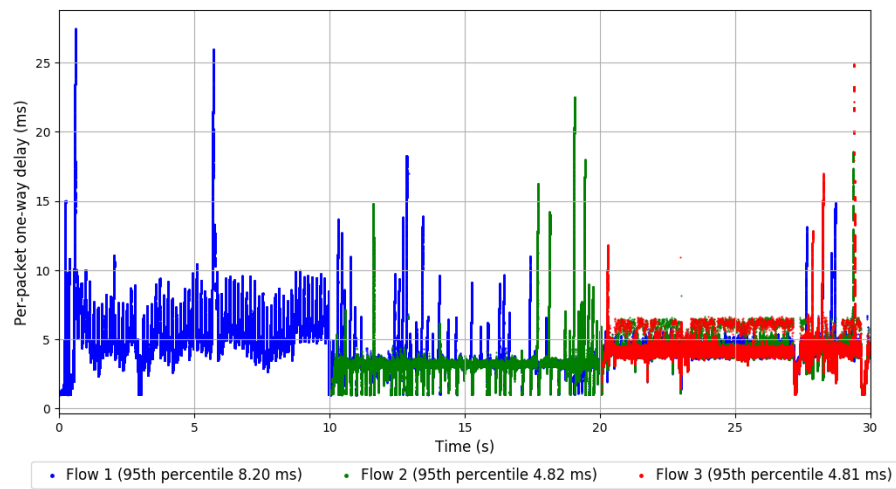
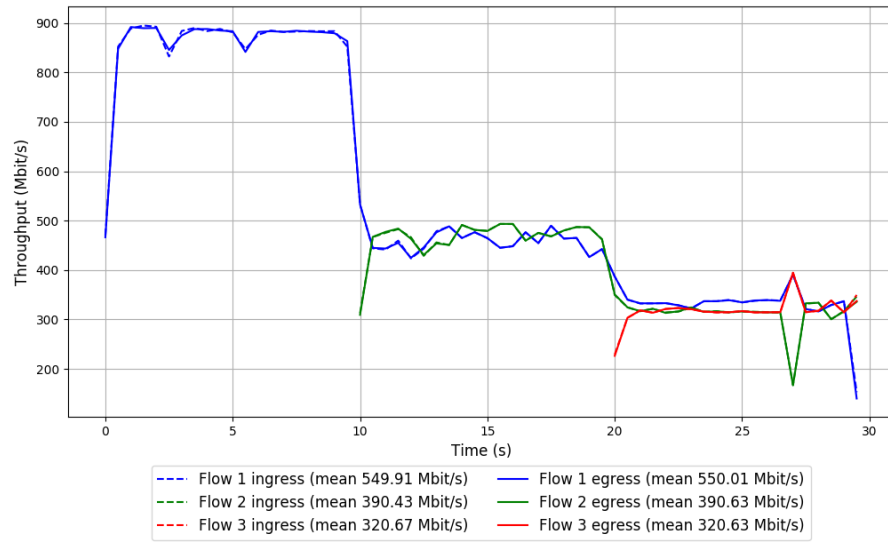


Run 9: Statistics of TCP BBR

Start at: 2018-02-16 14:36:03
End at: 2018-02-16 14:36:33
Local clock offset: 0.303 ms
Remote clock offset: -5.917 ms

Below is generated by plot.py at 2018-02-16 20:18:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 915.81 Mbit/s
95th percentile per-packet one-way delay: 7.651 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 550.01 Mbit/s
95th percentile per-packet one-way delay: 8.204 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.63 Mbit/s
95th percentile per-packet one-way delay: 4.823 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 320.63 Mbit/s
95th percentile per-packet one-way delay: 4.813 ms
Loss rate: 0.23%

Run 9: Report of TCP BBR — Data Link

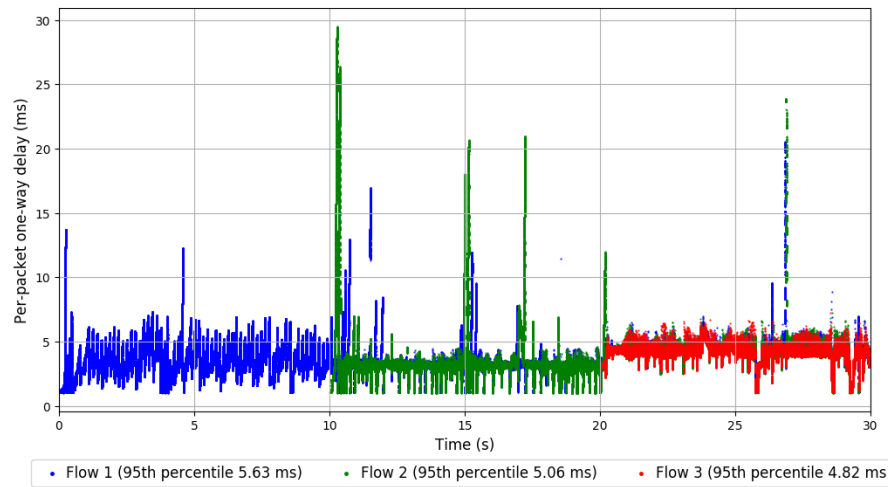
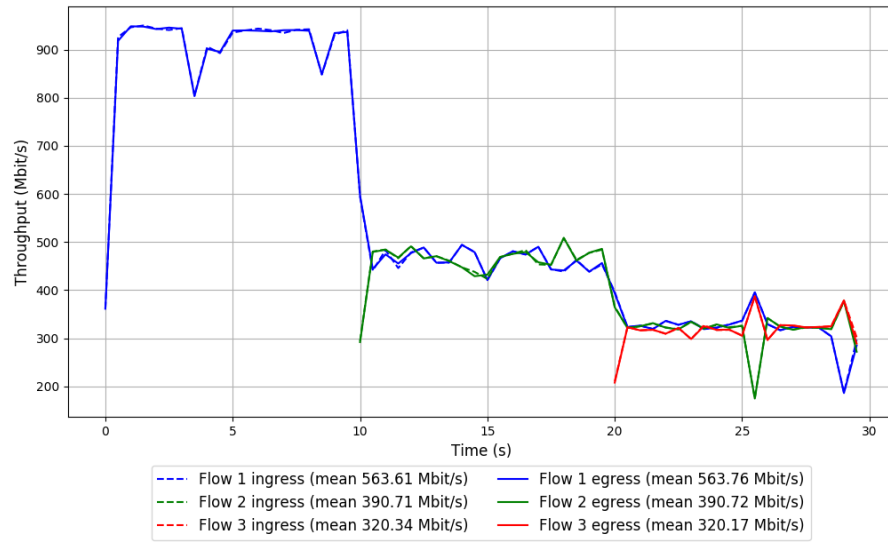


Run 10: Statistics of TCP BBR

Start at: 2018-02-16 15:02:47
End at: 2018-02-16 15:03:17
Local clock offset: 0.047 ms
Remote clock offset: -5.039 ms

Below is generated by plot.py at 2018-02-16 20:19:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 929.71 Mbit/s
95th percentile per-packet one-way delay: 5.453 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 563.76 Mbit/s
95th percentile per-packet one-way delay: 5.634 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 390.72 Mbit/s
95th percentile per-packet one-way delay: 5.061 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.17 Mbit/s
95th percentile per-packet one-way delay: 4.817 ms
Loss rate: 0.26%

Run 10: Report of TCP BBR — Data Link

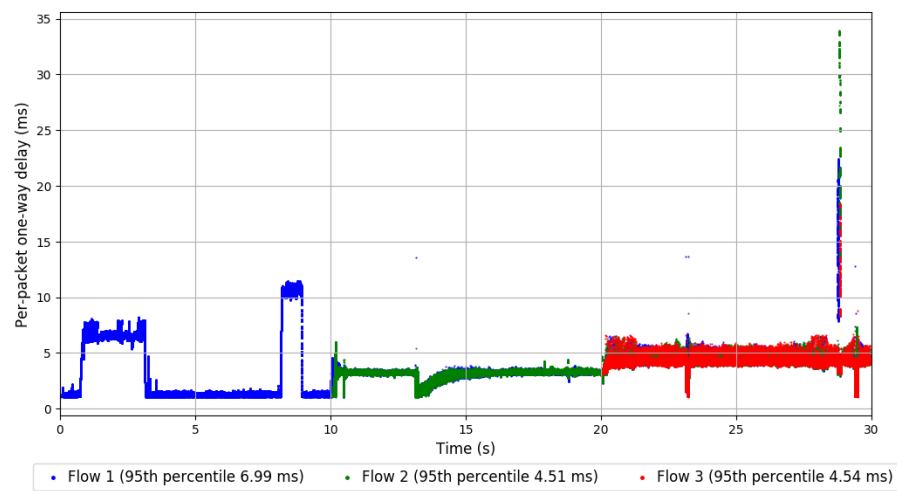
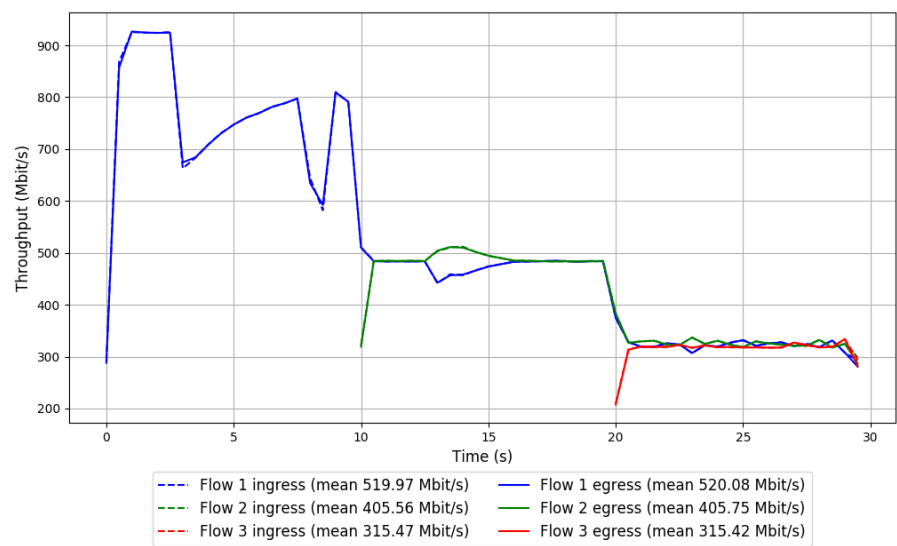


Run 1: Statistics of TCP Cubic

Start at: 2018-02-16 10:43:47
End at: 2018-02-16 10:44:17
Local clock offset: 0.115 ms
Remote clock offset: -6.501 ms

Below is generated by plot.py at 2018-02-16 20:19:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 894.21 Mbit/s
95th percentile per-packet one-way delay: 6.611 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 520.08 Mbit/s
95th percentile per-packet one-way delay: 6.988 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 405.75 Mbit/s
95th percentile per-packet one-way delay: 4.509 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.42 Mbit/s
95th percentile per-packet one-way delay: 4.539 ms
Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link

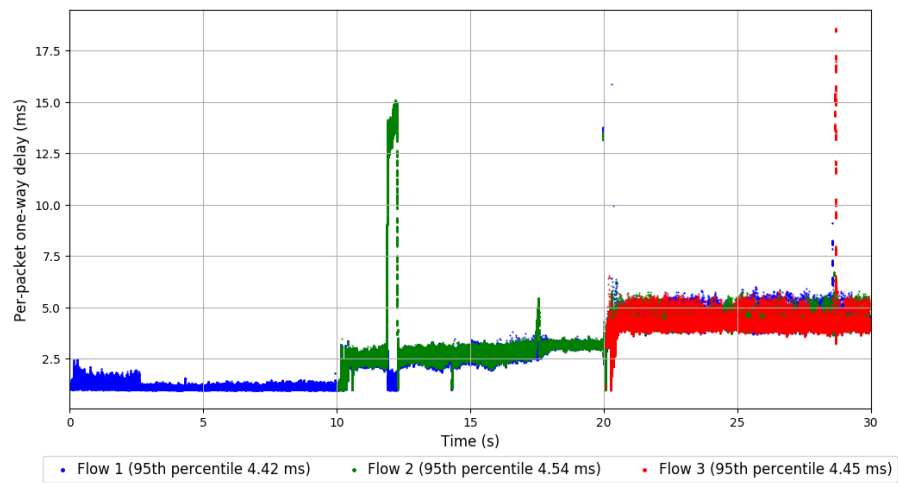
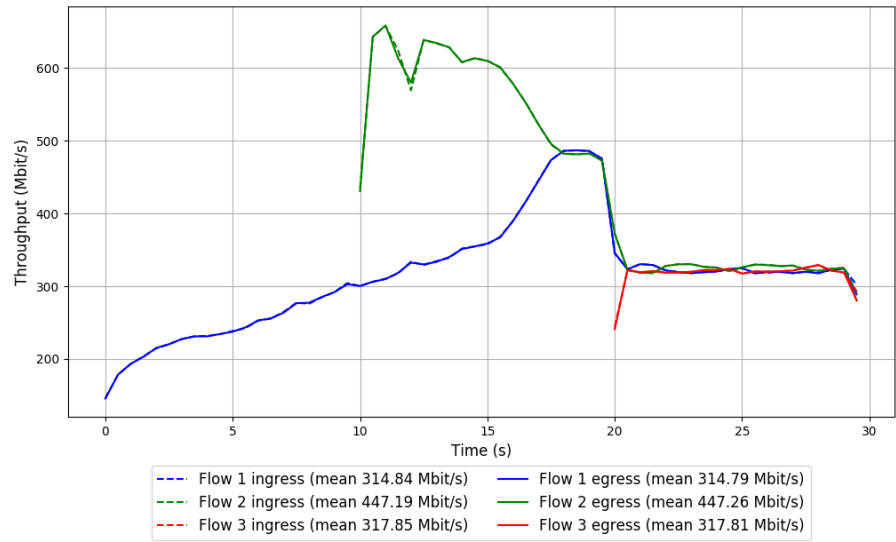


Run 2: Statistics of TCP Cubic

Start at: 2018-02-16 11:10:39
End at: 2018-02-16 11:11:09
Local clock offset: 0.557 ms
Remote clock offset: -6.624 ms

Below is generated by plot.py at 2018-02-16 20:19:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 717.83 Mbit/s
95th percentile per-packet one-way delay: 4.466 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 314.79 Mbit/s
95th percentile per-packet one-way delay: 4.416 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 447.26 Mbit/s
95th percentile per-packet one-way delay: 4.545 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 317.81 Mbit/s
95th percentile per-packet one-way delay: 4.446 ms
Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

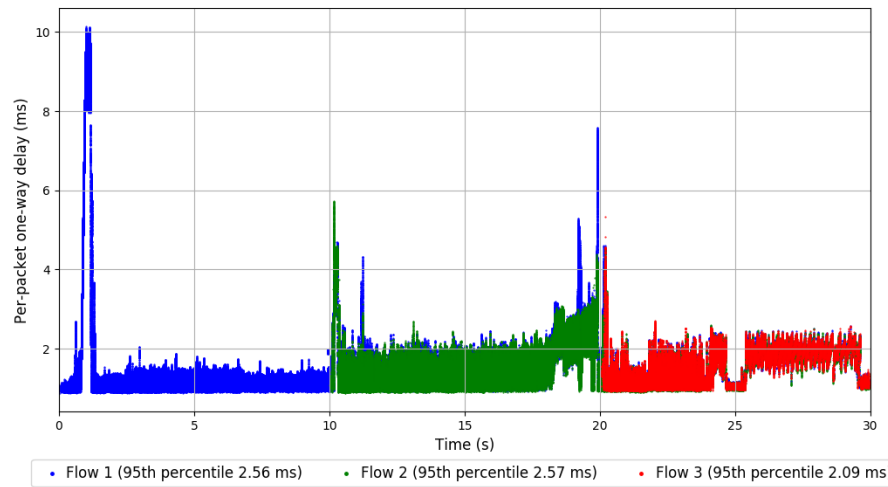
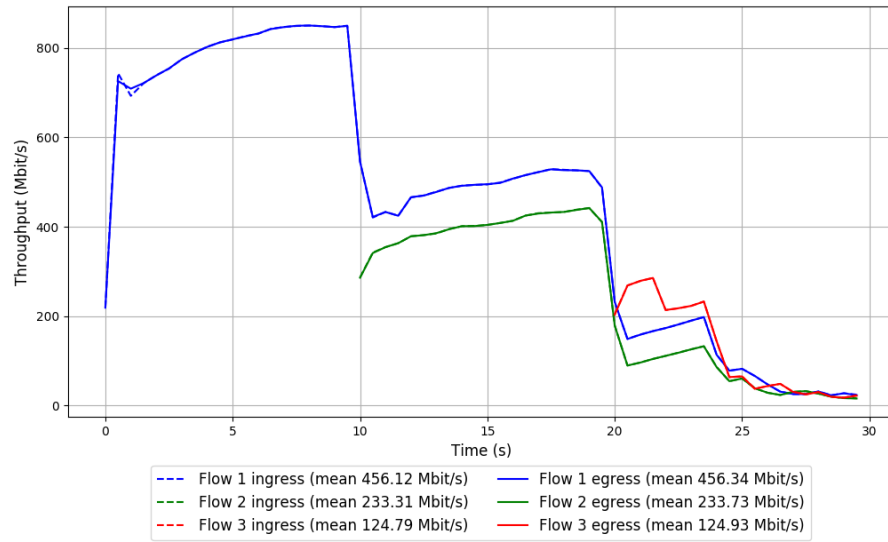


Run 3: Statistics of TCP Cubic

Start at: 2018-02-16 11:37:28
End at: 2018-02-16 11:37:58
Local clock offset: 0.064 ms
Remote clock offset: -6.688 ms

Below is generated by plot.py at 2018-02-16 20:19:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 653.21 Mbit/s
95th percentile per-packet one-way delay: 2.537 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 456.34 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 233.73 Mbit/s
95th percentile per-packet one-way delay: 2.573 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 124.93 Mbit/s
95th percentile per-packet one-way delay: 2.086 ms
Loss rate: 0.09%

Run 3: Report of TCP Cubic — Data Link

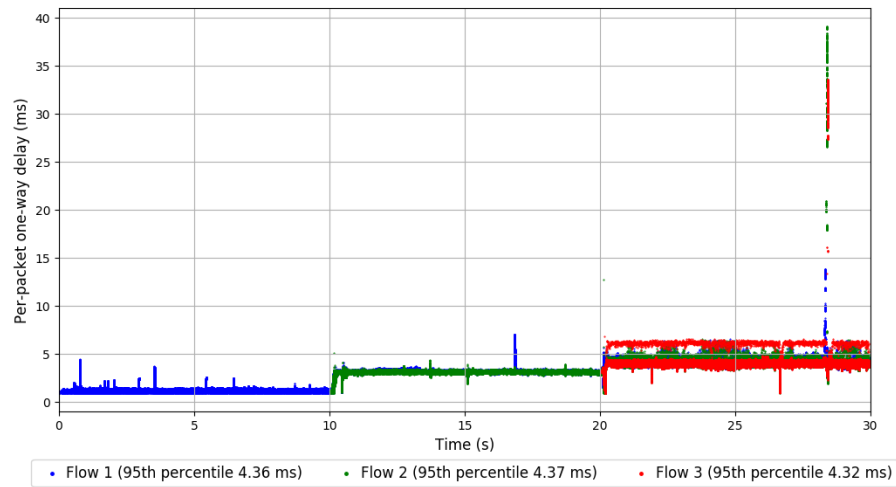
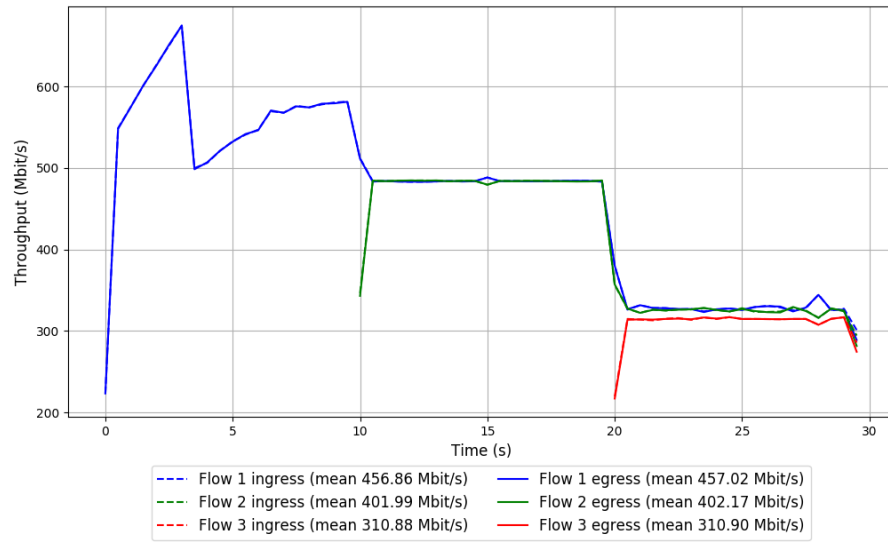


Run 4: Statistics of TCP Cubic

Start at: 2018-02-16 12:04:19
End at: 2018-02-16 12:04:49
Local clock offset: 0.263 ms
Remote clock offset: -5.301 ms

Below is generated by plot.py at 2018-02-16 20:19:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 827.51 Mbit/s
95th percentile per-packet one-way delay: 4.356 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 457.02 Mbit/s
95th percentile per-packet one-way delay: 4.358 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 402.17 Mbit/s
95th percentile per-packet one-way delay: 4.367 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 310.90 Mbit/s
95th percentile per-packet one-way delay: 4.324 ms
Loss rate: 0.22%

Run 4: Report of TCP Cubic — Data Link

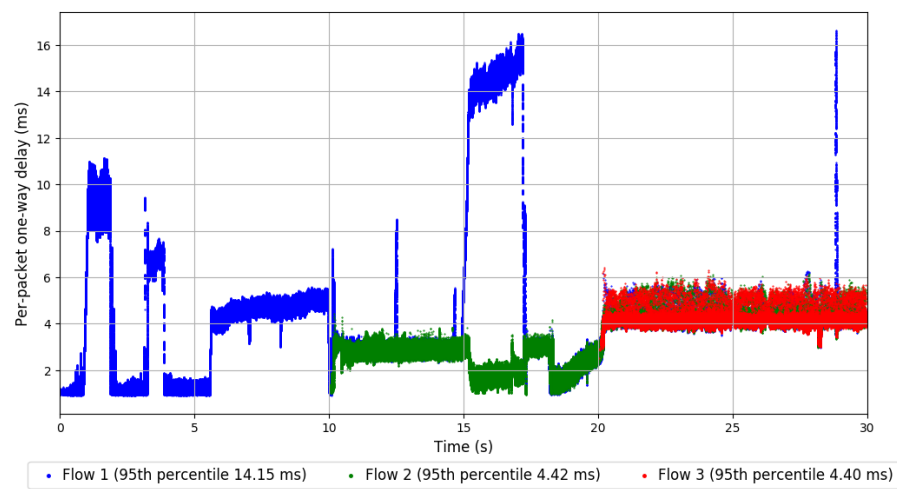
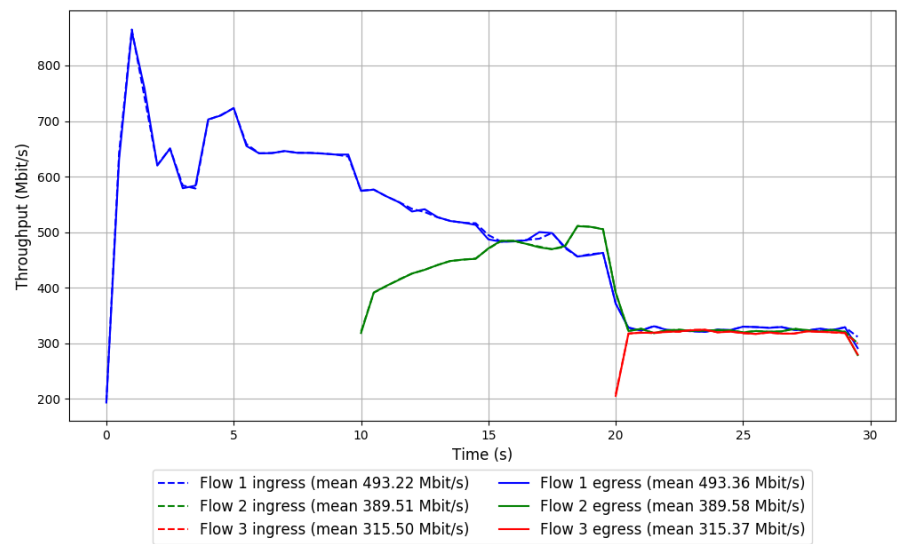


Run 5: Statistics of TCP Cubic

Start at: 2018-02-16 12:31:20
End at: 2018-02-16 12:31:50
Local clock offset: 0.264 ms
Remote clock offset: -4.906 ms

Below is generated by plot.py at 2018-02-16 20:19:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 856.67 Mbit/s
95th percentile per-packet one-way delay: 9.548 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 493.36 Mbit/s
95th percentile per-packet one-way delay: 14.146 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 389.58 Mbit/s
95th percentile per-packet one-way delay: 4.415 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 315.37 Mbit/s
95th percentile per-packet one-way delay: 4.397 ms
Loss rate: 0.35%

Run 5: Report of TCP Cubic — Data Link

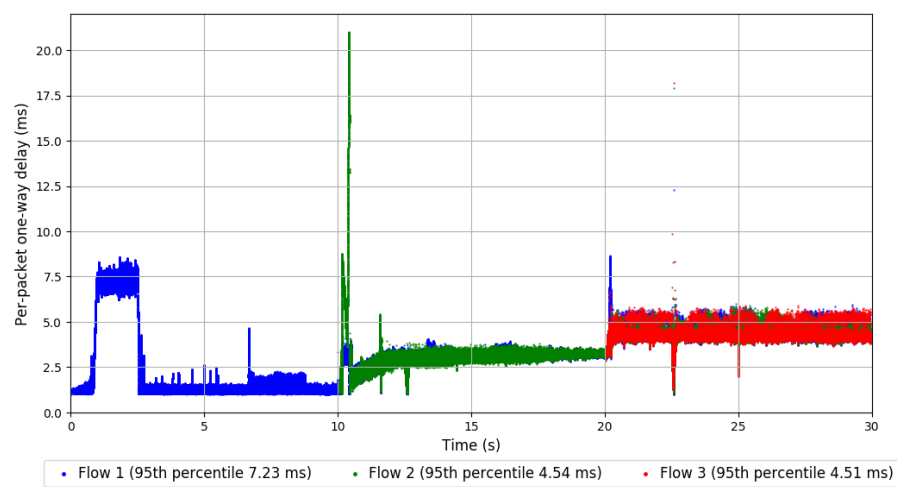
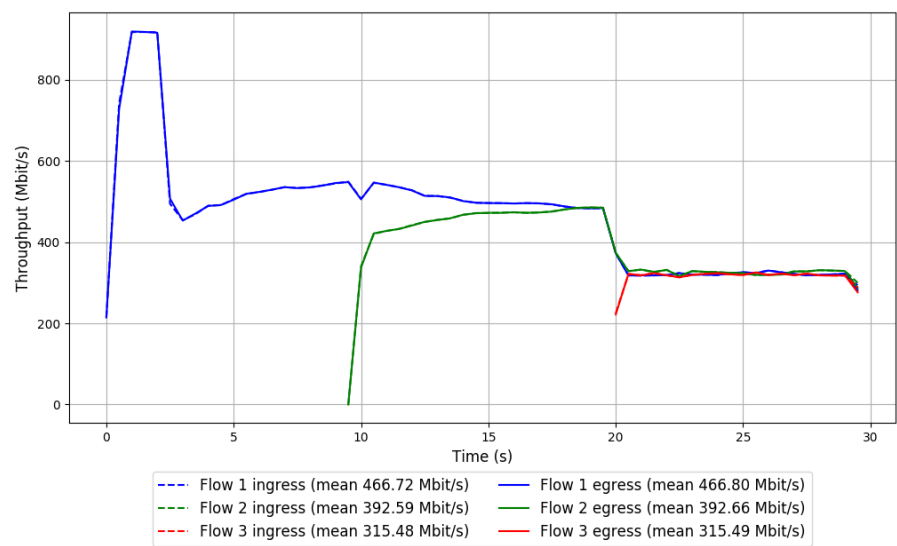


Run 6: Statistics of TCP Cubic

Start at: 2018-02-16 12:58:05
End at: 2018-02-16 12:58:35
Local clock offset: 0.404 ms
Remote clock offset: -6.046 ms

Below is generated by plot.py at 2018-02-16 20:19:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 832.84 Mbit/s
95th percentile per-packet one-way delay: 6.836 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 466.80 Mbit/s
95th percentile per-packet one-way delay: 7.234 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 392.66 Mbit/s
95th percentile per-packet one-way delay: 4.542 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 315.49 Mbit/s
95th percentile per-packet one-way delay: 4.508 ms
Loss rate: 0.23%

Run 6: Report of TCP Cubic — Data Link

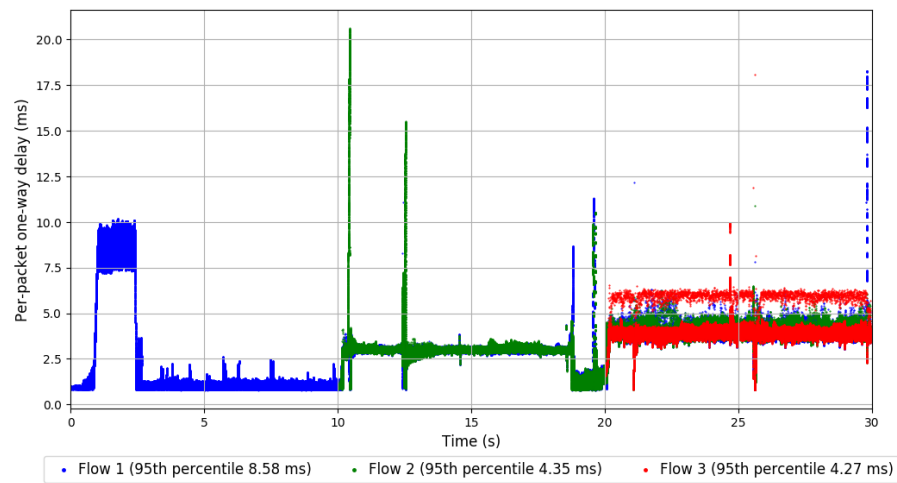
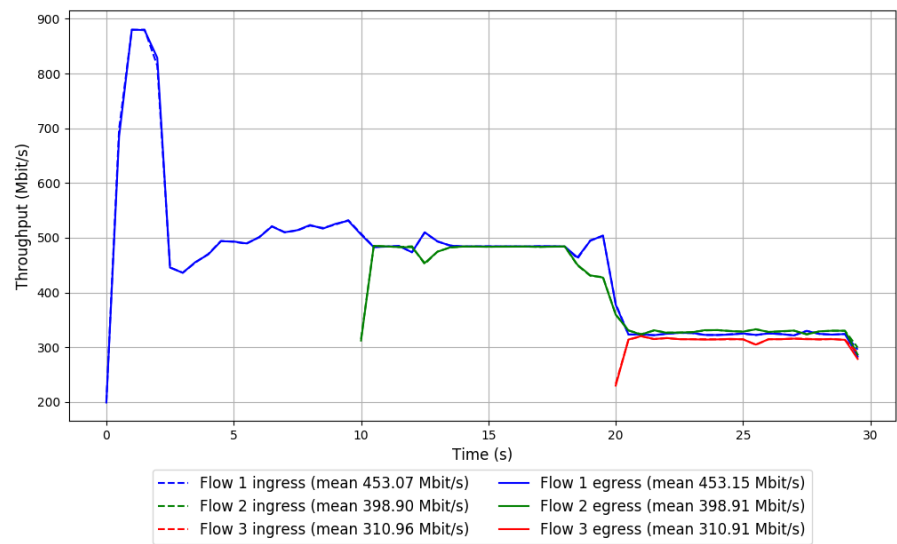


Run 7: Statistics of TCP Cubic

Start at: 2018-02-16 13:24:35
End at: 2018-02-16 13:25:05
Local clock offset: 0.152 ms
Remote clock offset: -7.313 ms

Below is generated by plot.py at 2018-02-16 20:27:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 821.52 Mbit/s
95th percentile per-packet one-way delay: 7.667 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 453.15 Mbit/s
95th percentile per-packet one-way delay: 8.576 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 398.91 Mbit/s
95th percentile per-packet one-way delay: 4.352 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 310.91 Mbit/s
95th percentile per-packet one-way delay: 4.270 ms
Loss rate: 0.22%

Run 7: Report of TCP Cubic — Data Link

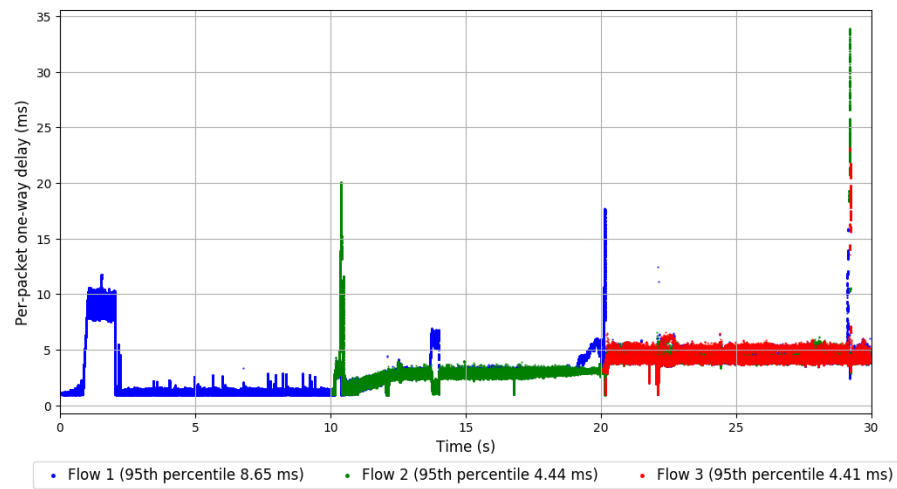
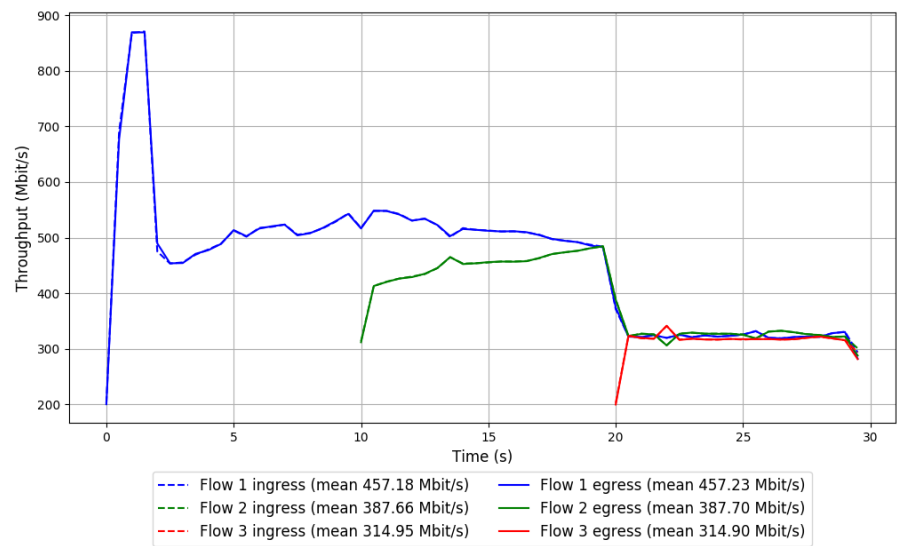


Run 8: Statistics of TCP Cubic

Start at: 2018-02-16 13:51:35
End at: 2018-02-16 13:52:05
Local clock offset: 0.086 ms
Remote clock offset: -8.846 ms

Below is generated by plot.py at 2018-02-16 20:28:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 819.37 Mbit/s
95th percentile per-packet one-way delay: 5.643 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 457.23 Mbit/s
95th percentile per-packet one-way delay: 8.647 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 387.70 Mbit/s
95th percentile per-packet one-way delay: 4.436 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 314.90 Mbit/s
95th percentile per-packet one-way delay: 4.413 ms
Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link

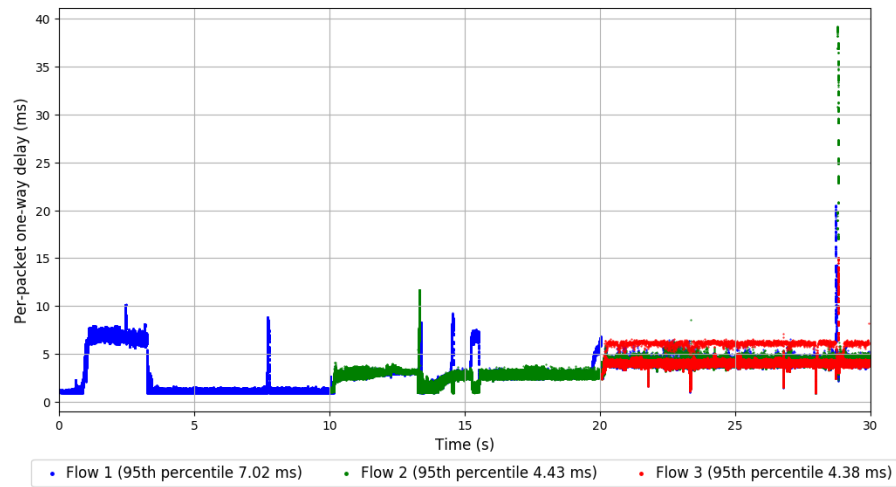
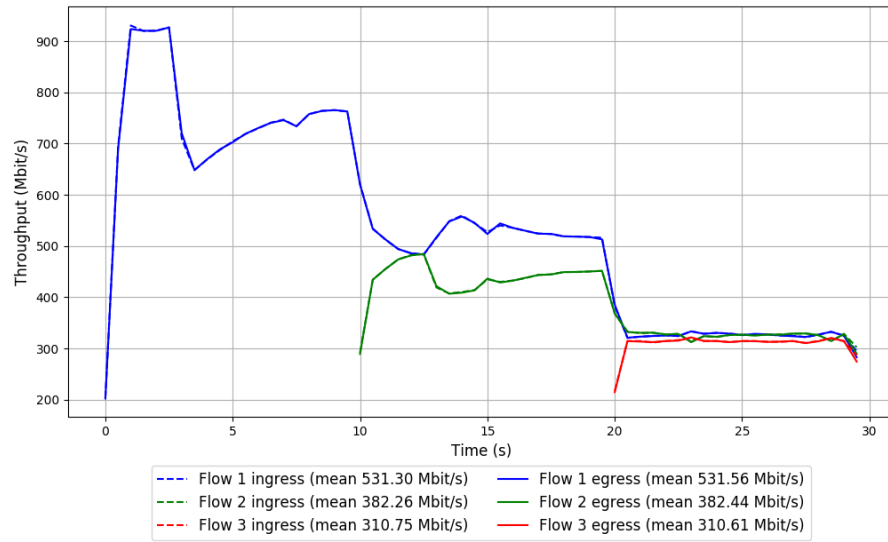


Run 9: Statistics of TCP Cubic

Start at: 2018-02-16 14:18:43
End at: 2018-02-16 14:19:13
Local clock offset: 0.244 ms
Remote clock offset: -7.122 ms

Below is generated by plot.py at 2018-02-16 20:30:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 888.54 Mbit/s
95th percentile per-packet one-way delay: 6.743 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 531.56 Mbit/s
95th percentile per-packet one-way delay: 7.022 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 382.44 Mbit/s
95th percentile per-packet one-way delay: 4.435 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 310.61 Mbit/s
95th percentile per-packet one-way delay: 4.385 ms
Loss rate: 0.23%

Run 9: Report of TCP Cubic — Data Link

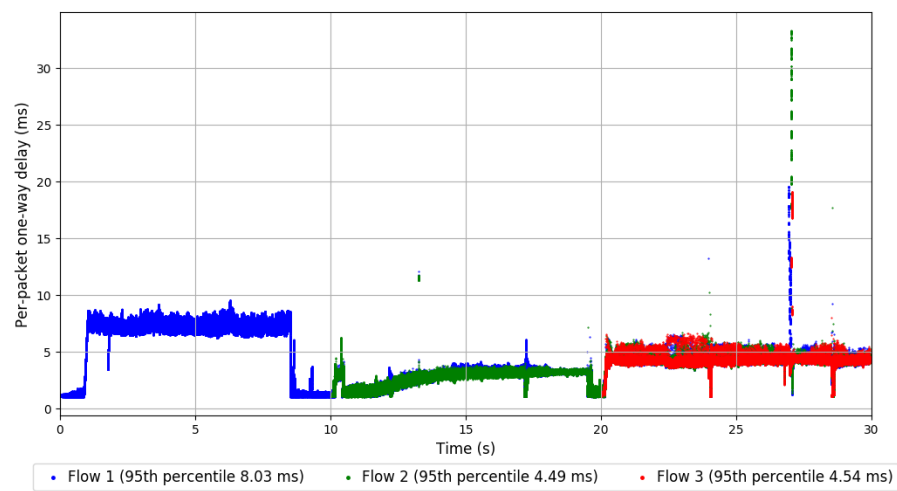
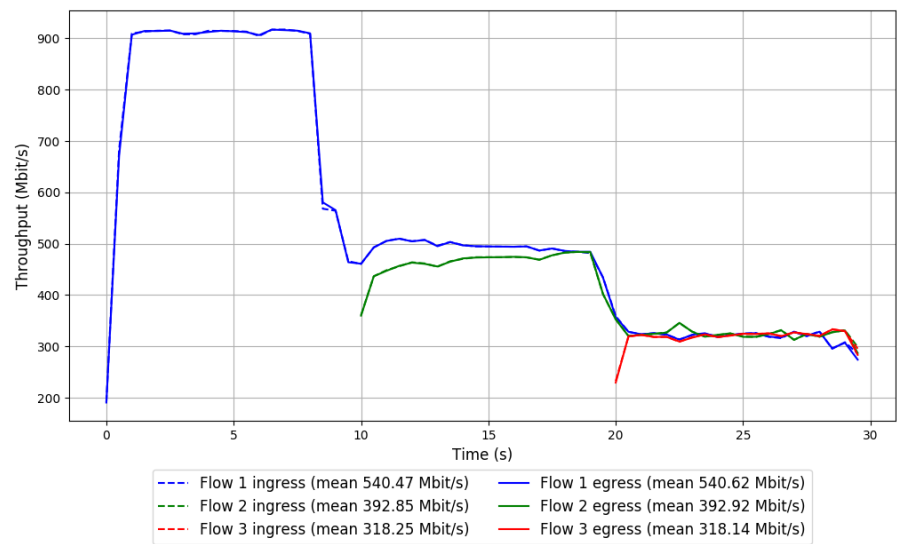


Run 10: Statistics of TCP Cubic

Start at: 2018-02-16 14:45:28
End at: 2018-02-16 14:45:58
Local clock offset: 0.256 ms
Remote clock offset: -5.419 ms

Below is generated by plot.py at 2018-02-16 20:31:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 907.53 Mbit/s
95th percentile per-packet one-way delay: 7.881 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 540.62 Mbit/s
95th percentile per-packet one-way delay: 8.031 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 392.92 Mbit/s
95th percentile per-packet one-way delay: 4.491 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.14 Mbit/s
95th percentile per-packet one-way delay: 4.539 ms
Loss rate: 0.23%

Run 10: Report of TCP Cubic — Data Link

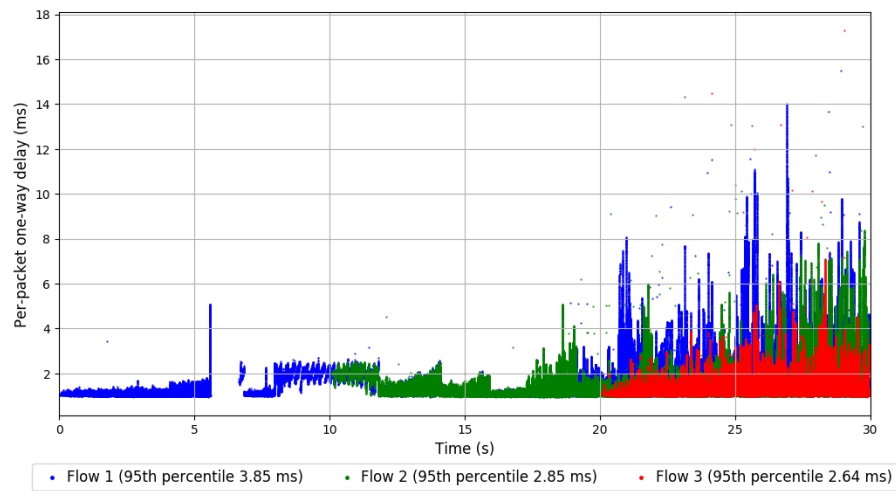
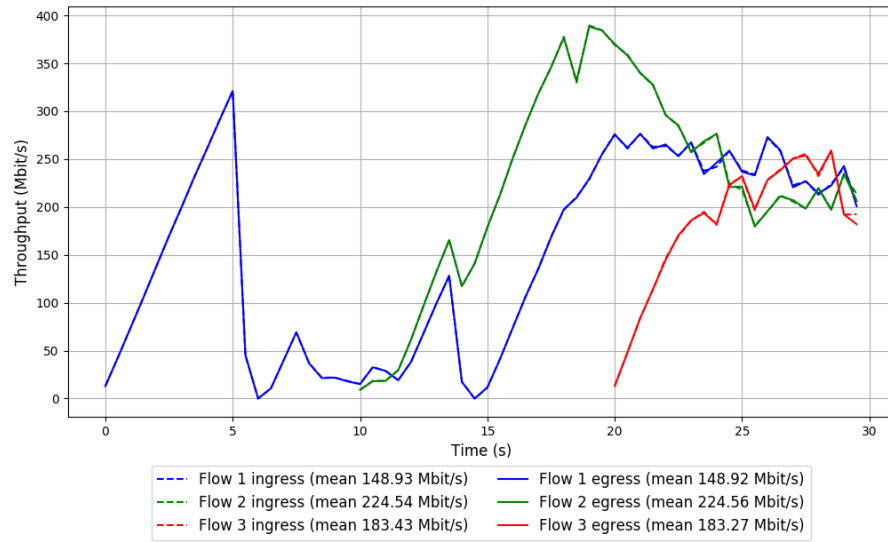


Run 1: Statistics of LEDBAT

Start at: 2018-02-16 10:37:45
End at: 2018-02-16 10:38:15
Local clock offset: 0.105 ms
Remote clock offset: -6.586 ms

Below is generated by plot.py at 2018-02-16 20:31:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.68 Mbit/s
95th percentile per-packet one-way delay: 3.202 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 148.92 Mbit/s
95th percentile per-packet one-way delay: 3.850 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 224.56 Mbit/s
95th percentile per-packet one-way delay: 2.848 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 183.27 Mbit/s
95th percentile per-packet one-way delay: 2.636 ms
Loss rate: 0.29%

Run 1: Report of LEDBAT — Data Link

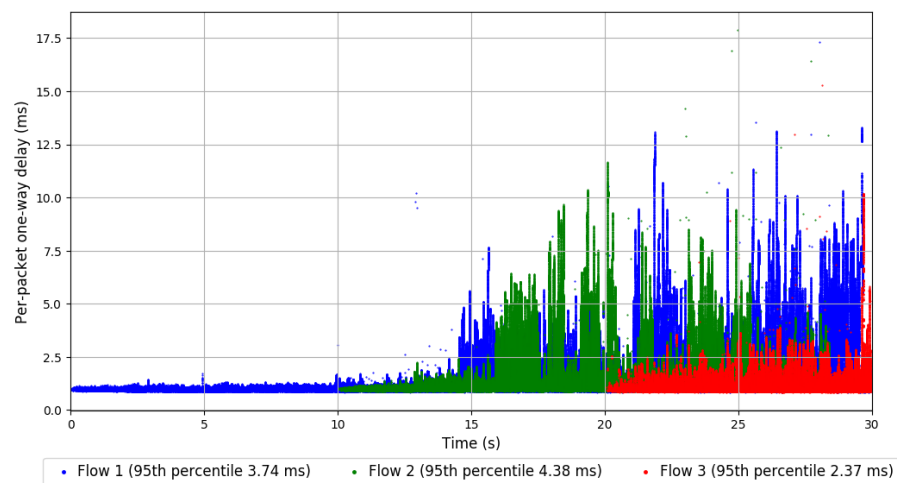
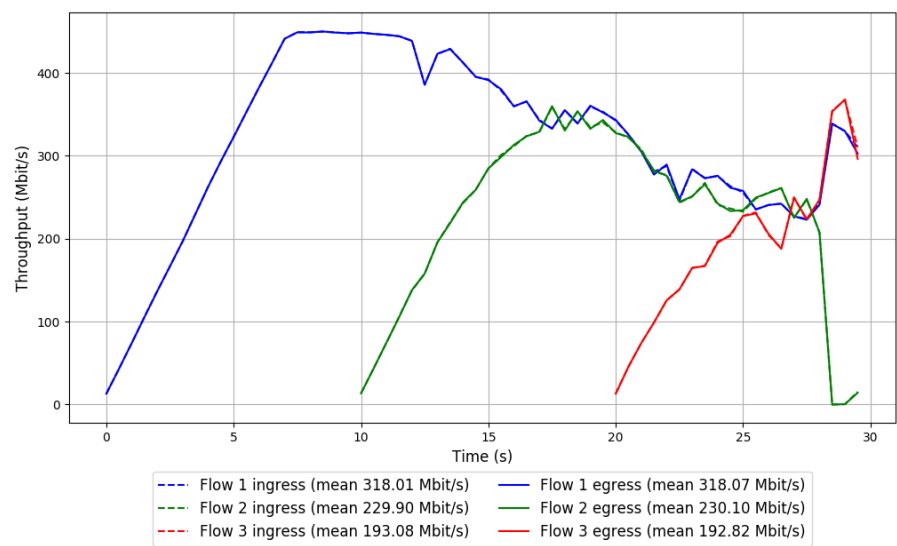


Run 2: Statistics of LEDBAT

Start at: 2018-02-16 11:04:27
End at: 2018-02-16 11:04:57
Local clock offset: 0.474 ms
Remote clock offset: -6.284 ms

Below is generated by plot.py at 2018-02-16 20:31:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 534.87 Mbit/s
95th percentile per-packet one-way delay: 3.791 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 318.07 Mbit/s
95th percentile per-packet one-way delay: 3.737 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 230.10 Mbit/s
95th percentile per-packet one-way delay: 4.375 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 192.82 Mbit/s
95th percentile per-packet one-way delay: 2.371 ms
Loss rate: 0.36%

Run 2: Report of LEDBAT — Data Link

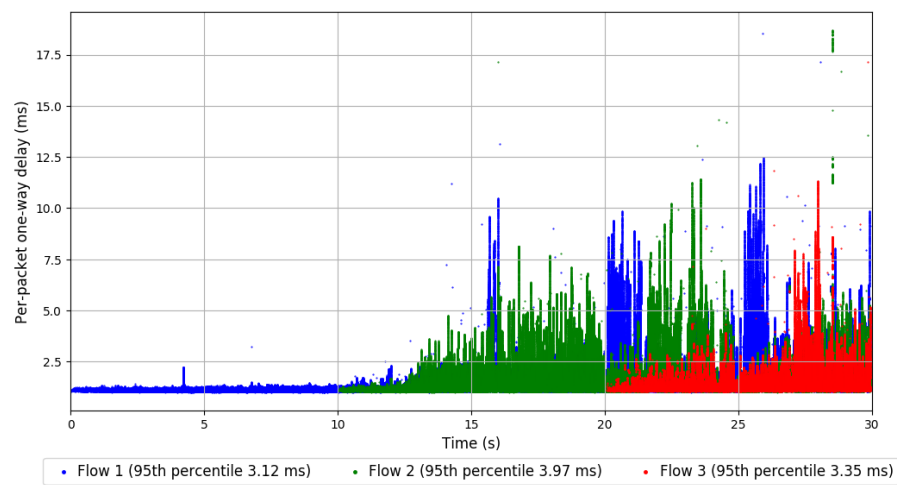
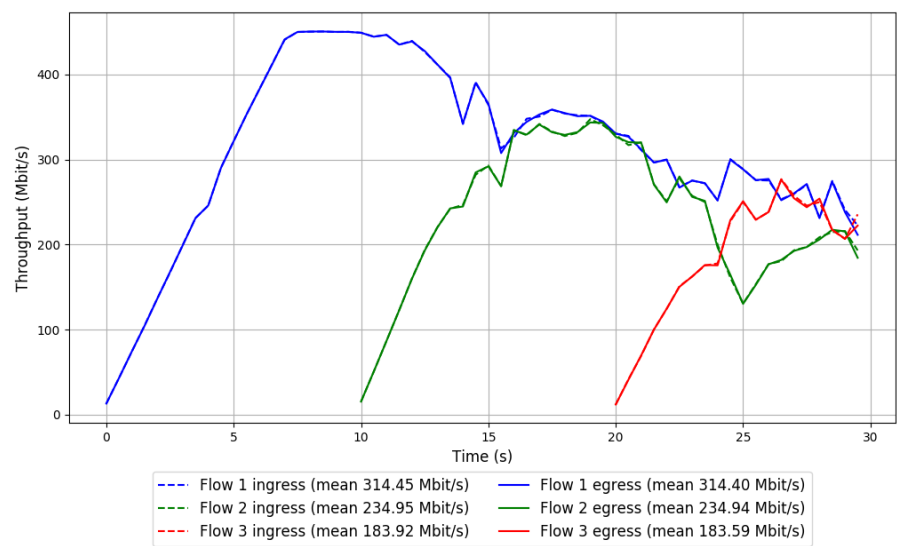


Run 3: Statistics of LEDBAT

Start at: 2018-02-16 11:31:15
End at: 2018-02-16 11:31:45
Local clock offset: 0.241 ms
Remote clock offset: -6.963 ms

Below is generated by plot.py at 2018-02-16 20:31:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 531.41 Mbit/s
95th percentile per-packet one-way delay: 3.536 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 314.40 Mbit/s
95th percentile per-packet one-way delay: 3.125 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 234.94 Mbit/s
95th percentile per-packet one-way delay: 3.970 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 183.59 Mbit/s
95th percentile per-packet one-way delay: 3.353 ms
Loss rate: 0.38%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-16 11:58:05

End at: 2018-02-16 11:58:35

Local clock offset: 0.191 ms

Remote clock offset: -5.51 ms

Below is generated by plot.py at 2018-02-16 20:31:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 529.53 Mbit/s

95th percentile per-packet one-way delay: 3.905 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 307.06 Mbit/s

95th percentile per-packet one-way delay: 4.483 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 245.81 Mbit/s

95th percentile per-packet one-way delay: 2.720 ms

Loss rate: 0.09%

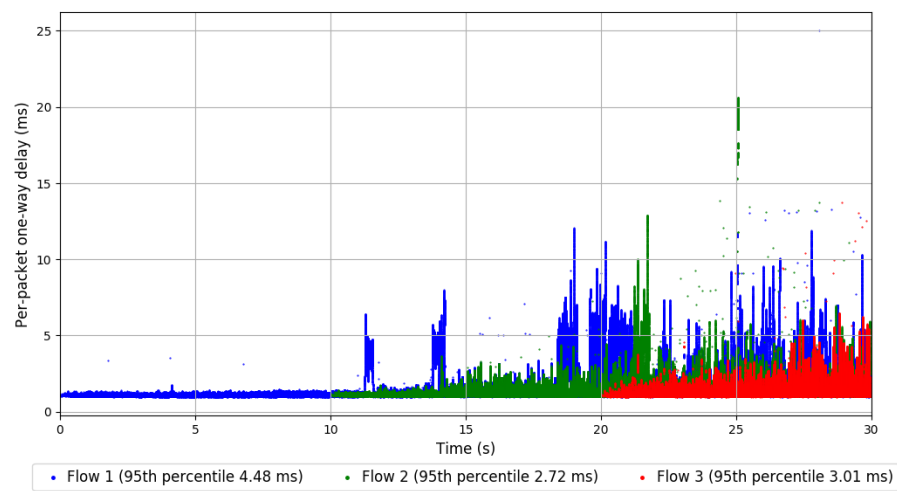
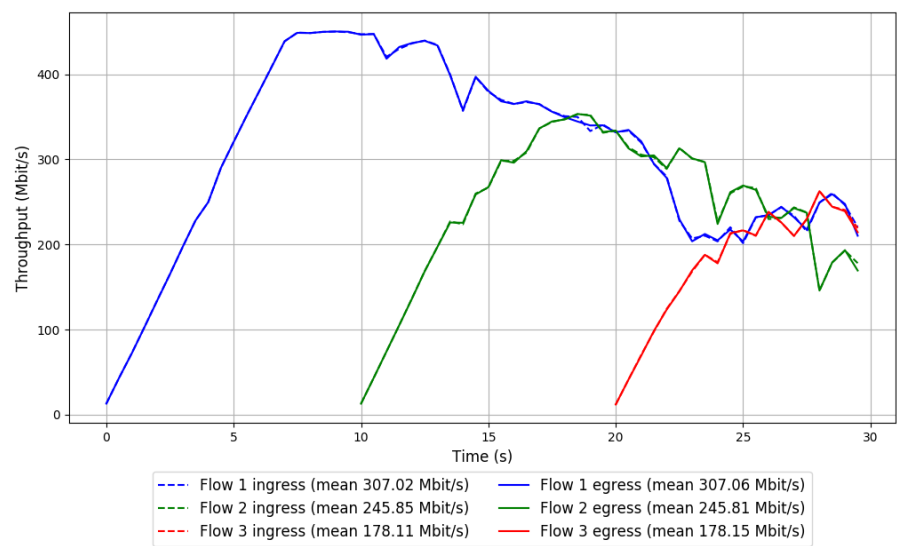
-- Flow 3:

Average throughput: 178.15 Mbit/s

95th percentile per-packet one-way delay: 3.009 ms

Loss rate: 0.18%

Run 4: Report of LEDBAT — Data Link

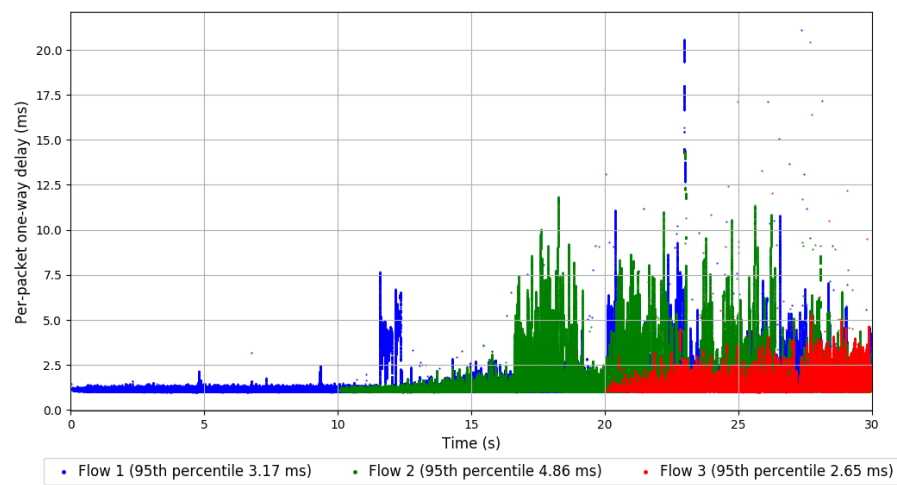
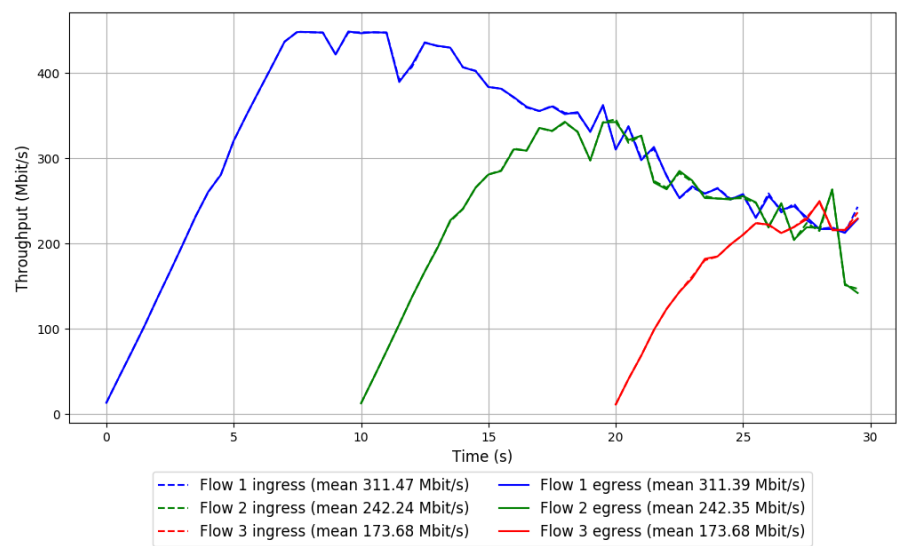


Run 5: Statistics of LEDBAT

Start at: 2018-02-16 12:24:59
End at: 2018-02-16 12:25:29
Local clock offset: 0.341 ms
Remote clock offset: -4.966 ms

Below is generated by plot.py at 2018-02-16 20:31:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.90 Mbit/s
95th percentile per-packet one-way delay: 3.870 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 311.39 Mbit/s
95th percentile per-packet one-way delay: 3.169 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 242.35 Mbit/s
95th percentile per-packet one-way delay: 4.861 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 173.68 Mbit/s
95th percentile per-packet one-way delay: 2.646 ms
Loss rate: 0.21%

Run 5: Report of LEDBAT — Data Link

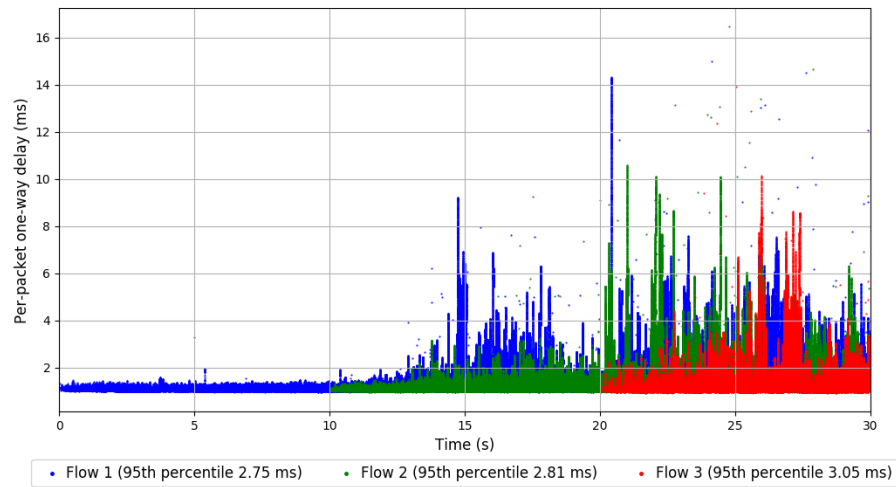
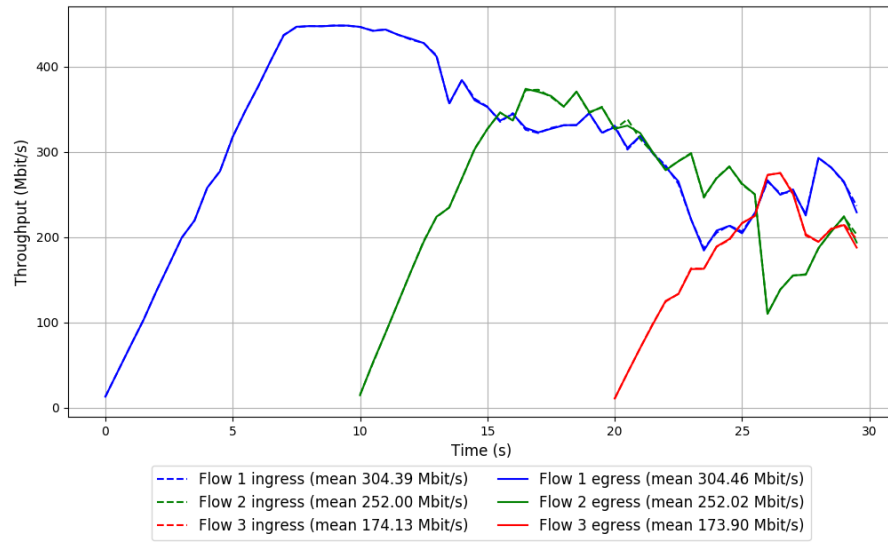


Run 6: Statistics of LEDBAT

Start at: 2018-02-16 12:51:54
End at: 2018-02-16 12:52:24
Local clock offset: 0.397 ms
Remote clock offset: -5.643 ms

Below is generated by plot.py at 2018-02-16 20:34:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.59 Mbit/s
95th percentile per-packet one-way delay: 2.814 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 304.46 Mbit/s
95th percentile per-packet one-way delay: 2.751 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 252.02 Mbit/s
95th percentile per-packet one-way delay: 2.813 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 173.90 Mbit/s
95th percentile per-packet one-way delay: 3.047 ms
Loss rate: 0.32%

Run 6: Report of LEDBAT — Data Link

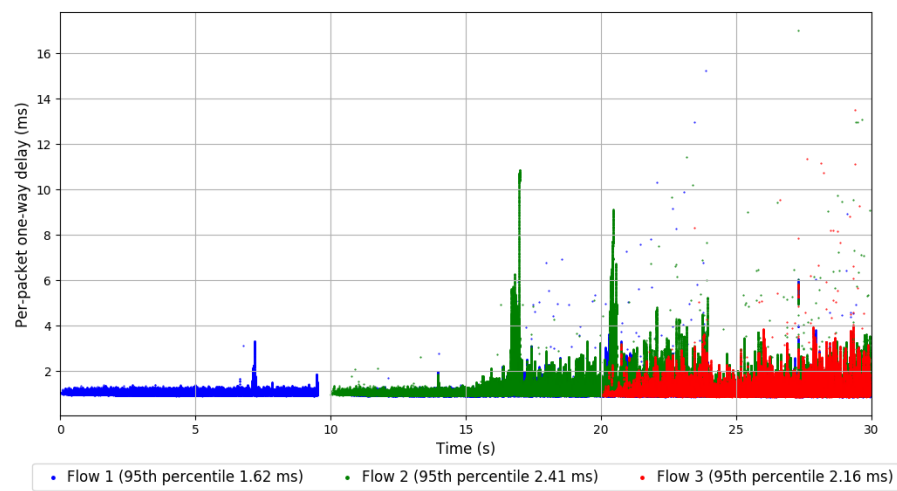
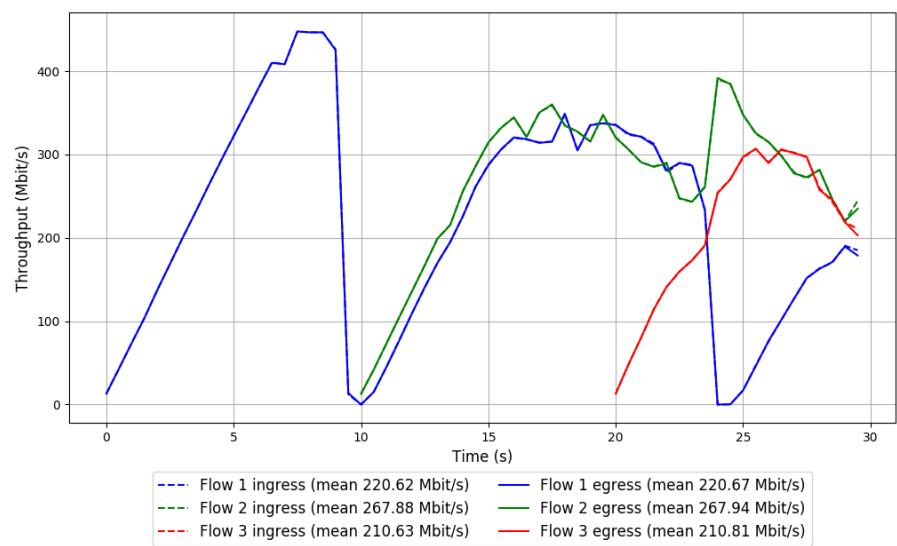


Run 7: Statistics of LEDBAT

Start at: 2018-02-16 13:18:29
End at: 2018-02-16 13:18:59
Local clock offset: 0.264 ms
Remote clock offset: -6.554 ms

Below is generated by plot.py at 2018-02-16 20:34:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 468.64 Mbit/s
95th percentile per-packet one-way delay: 2.043 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 220.67 Mbit/s
95th percentile per-packet one-way delay: 1.625 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 267.94 Mbit/s
95th percentile per-packet one-way delay: 2.409 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 210.81 Mbit/s
95th percentile per-packet one-way delay: 2.163 ms
Loss rate: 0.19%

Run 7: Report of LEDBAT — Data Link

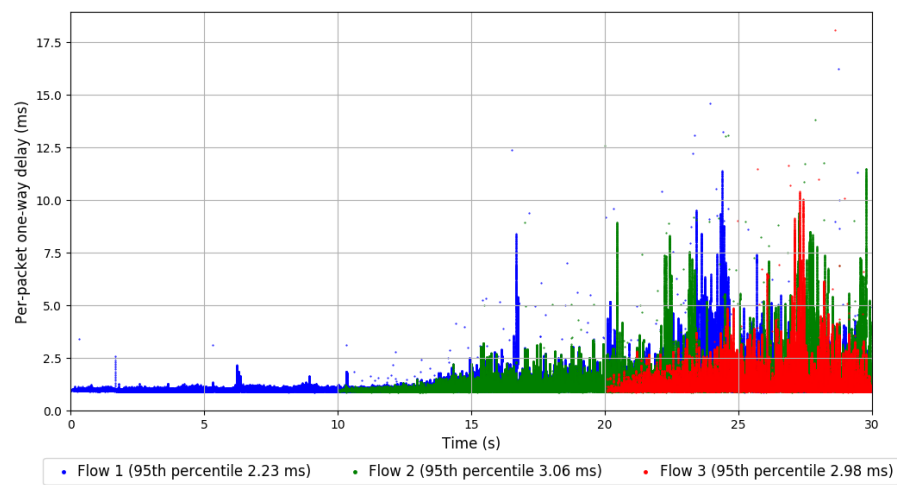
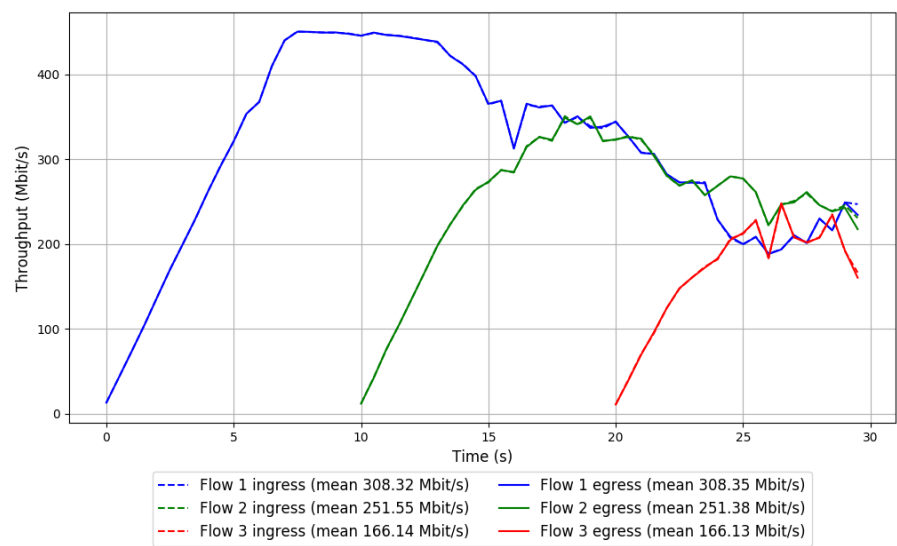


Run 8: Statistics of LEDBAT

Start at: 2018-02-16 13:45:21
End at: 2018-02-16 13:45:51
Local clock offset: 0.181 ms
Remote clock offset: -8.533 ms

Below is generated by plot.py at 2018-02-16 20:34:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 530.35 Mbit/s
95th percentile per-packet one-way delay: 2.631 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 308.35 Mbit/s
95th percentile per-packet one-way delay: 2.231 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 251.38 Mbit/s
95th percentile per-packet one-way delay: 3.062 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 166.13 Mbit/s
95th percentile per-packet one-way delay: 2.985 ms
Loss rate: 0.21%

Run 8: Report of LEDBAT — Data Link

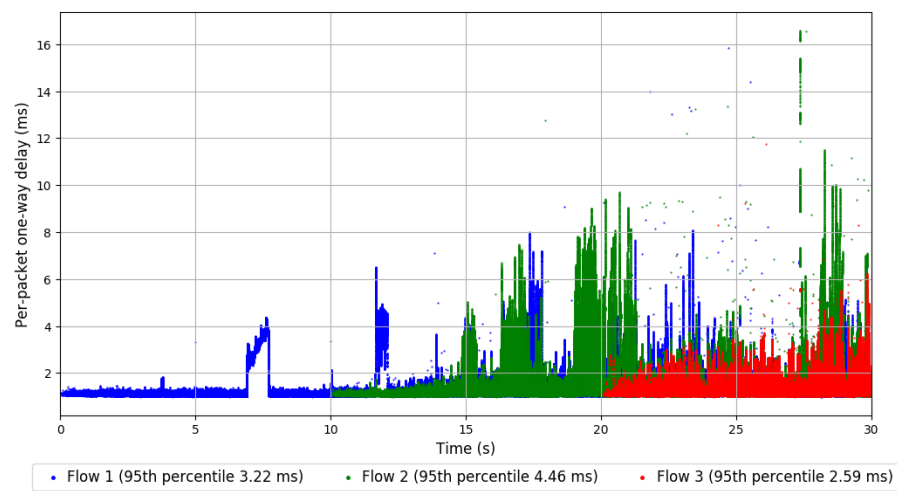
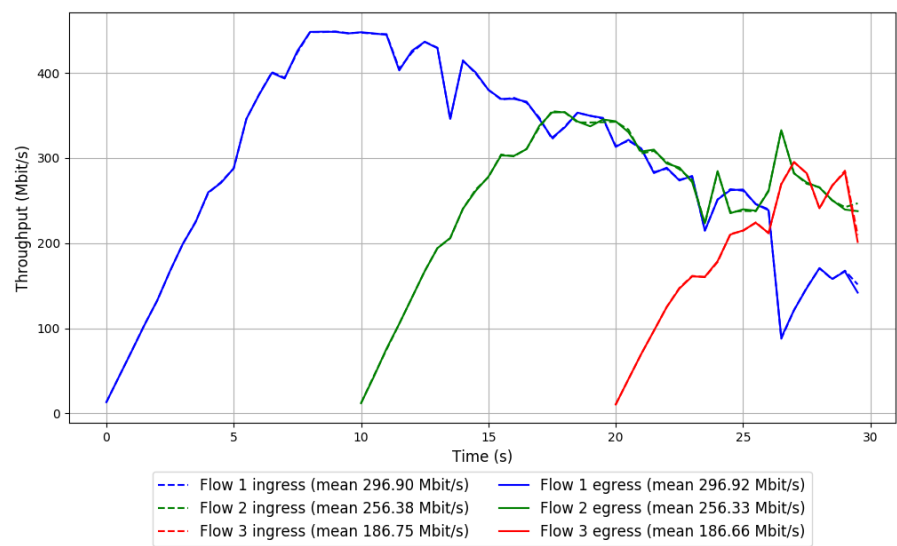


Run 9: Statistics of LEDBAT

Start at: 2018-02-16 14:12:23
End at: 2018-02-16 14:12:53
Local clock offset: 0.167 ms
Remote clock offset: -7.254 ms

Below is generated by plot.py at 2018-02-16 20:35:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.93 Mbit/s
95th percentile per-packet one-way delay: 3.535 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 296.92 Mbit/s
95th percentile per-packet one-way delay: 3.223 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 256.33 Mbit/s
95th percentile per-packet one-way delay: 4.464 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 186.66 Mbit/s
95th percentile per-packet one-way delay: 2.589 ms
Loss rate: 0.27%

Run 9: Report of LEDBAT — Data Link

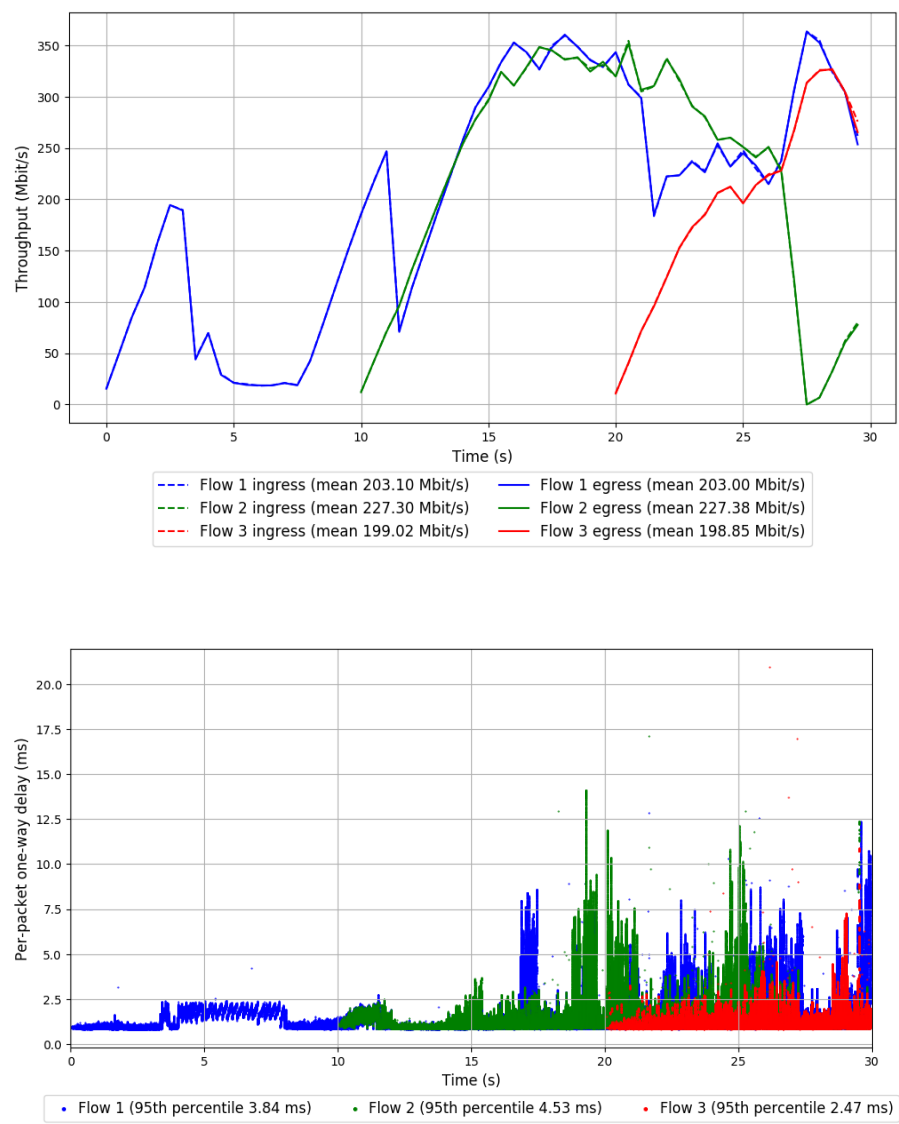


Run 10: Statistics of LEDBAT

Start at: 2018-02-16 14:39:25
End at: 2018-02-16 14:39:55
Local clock offset: 0.212 ms
Remote clock offset: -5.631 ms

Below is generated by plot.py at 2018-02-16 20:35:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.05 Mbit/s
95th percentile per-packet one-way delay: 3.830 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 203.00 Mbit/s
95th percentile per-packet one-way delay: 3.841 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 227.38 Mbit/s
95th percentile per-packet one-way delay: 4.532 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 198.85 Mbit/s
95th percentile per-packet one-way delay: 2.474 ms
Loss rate: 0.29%

Run 10: Report of LEDBAT — Data Link

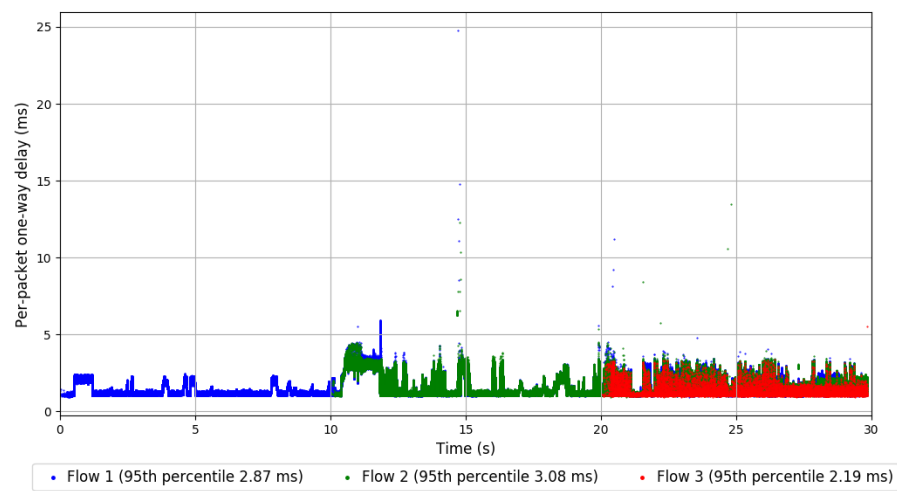
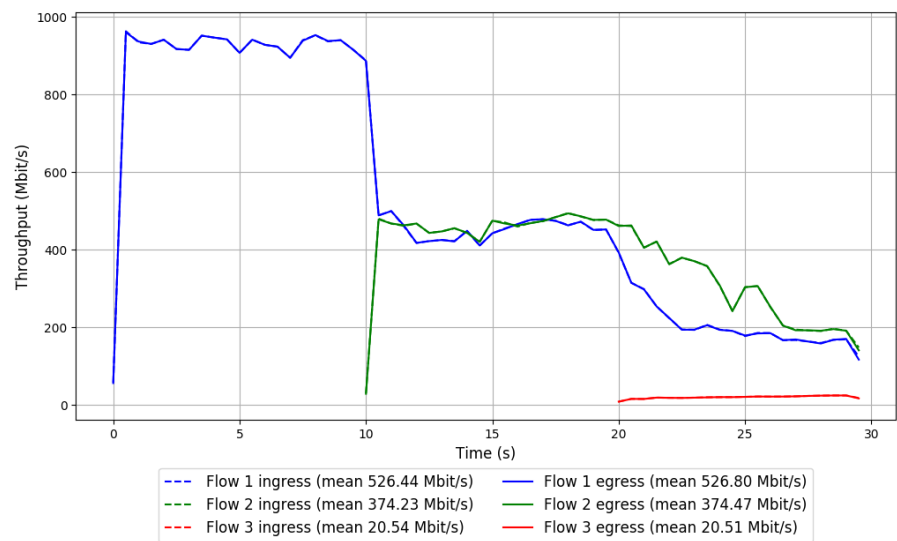


Run 1: Statistics of PCC

Start at: 2018-02-16 10:58:15
End at: 2018-02-16 10:58:45
Local clock offset: 0.438 ms
Remote clock offset: -6.221 ms

Below is generated by plot.py at 2018-02-16 20:40:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 782.06 Mbit/s
95th percentile per-packet one-way delay: 2.975 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 526.80 Mbit/s
95th percentile per-packet one-way delay: 2.865 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 374.47 Mbit/s
95th percentile per-packet one-way delay: 3.078 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 2.187 ms
Loss rate: 0.27%

Run 1: Report of PCC — Data Link

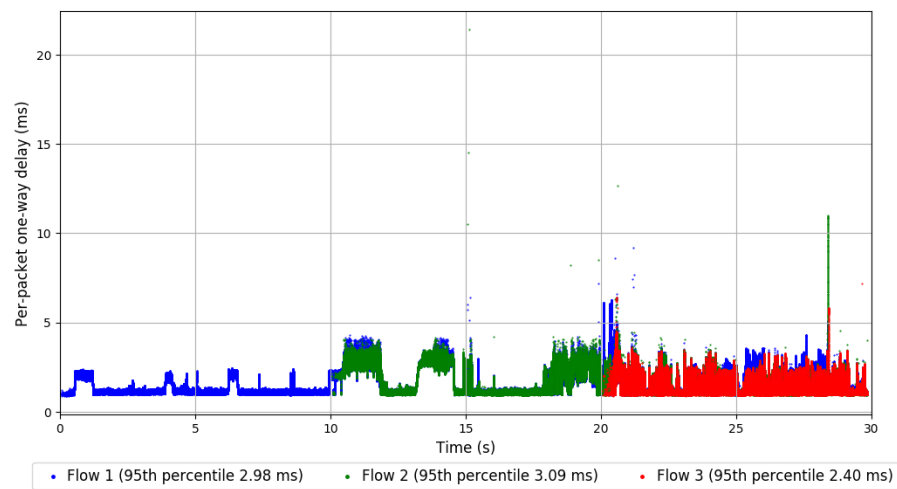
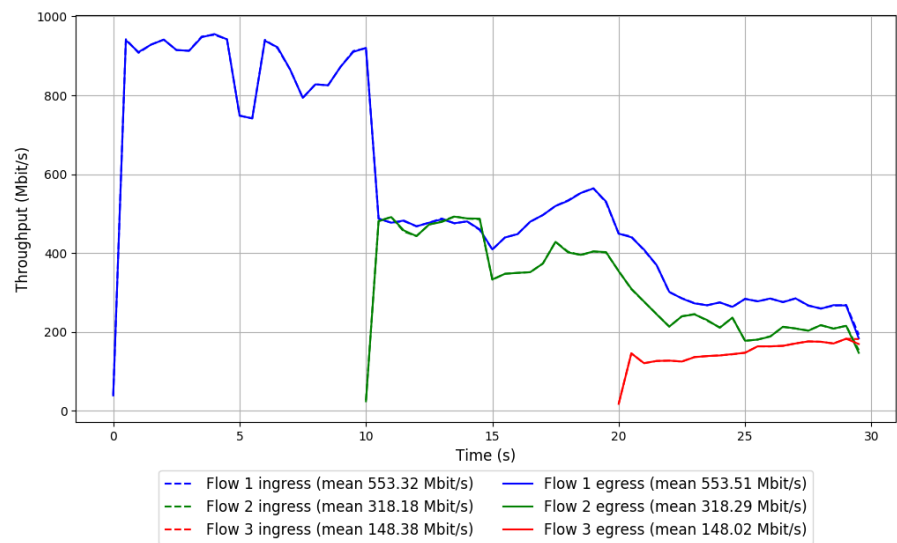


Run 2: Statistics of PCC

Start at: 2018-02-16 11:25:04
End at: 2018-02-16 11:25:34
Local clock offset: 0.266 ms
Remote clock offset: -6.945 ms

Below is generated by plot.py at 2018-02-16 20:42:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 813.30 Mbit/s
95th percentile per-packet one-way delay: 3.023 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 553.51 Mbit/s
95th percentile per-packet one-way delay: 2.975 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 318.29 Mbit/s
95th percentile per-packet one-way delay: 3.094 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 148.02 Mbit/s
95th percentile per-packet one-way delay: 2.403 ms
Loss rate: 0.44%

Run 2: Report of PCC — Data Link

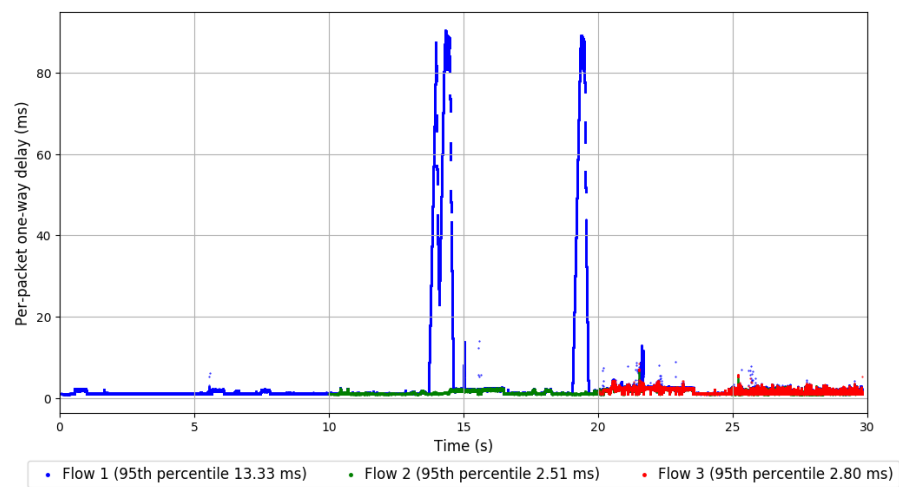
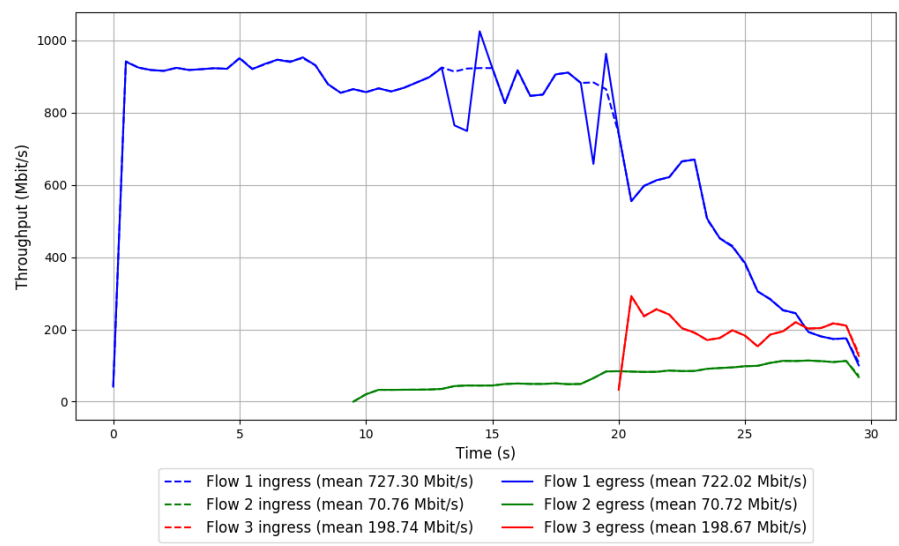


Run 3: Statistics of PCC

Start at: 2018-02-16 11:51:43
End at: 2018-02-16 11:52:13
Local clock offset: 0.023 ms
Remote clock offset: -5.669 ms

Below is generated by plot.py at 2018-02-16 20:43:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 834.07 Mbit/s
95th percentile per-packet one-way delay: 5.080 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 722.02 Mbit/s
95th percentile per-packet one-way delay: 13.333 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 2.508 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 198.67 Mbit/s
95th percentile per-packet one-way delay: 2.797 ms
Loss rate: 0.20%

Run 3: Report of PCC — Data Link

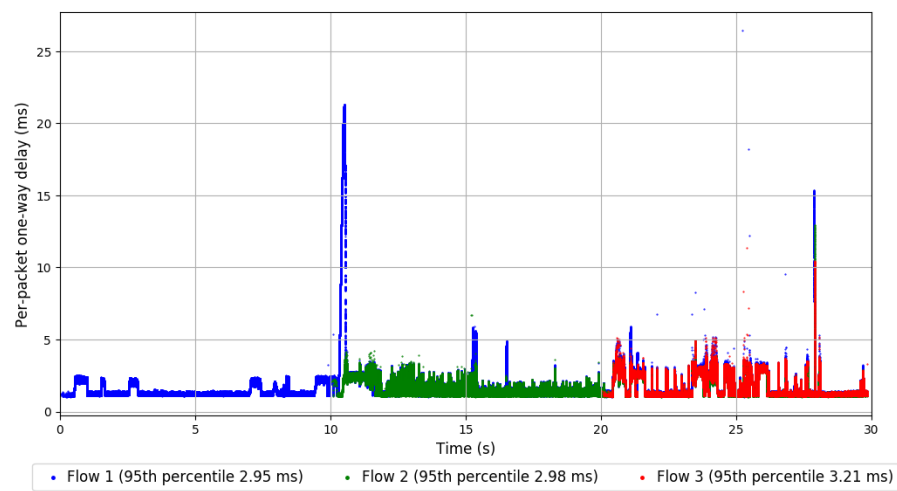
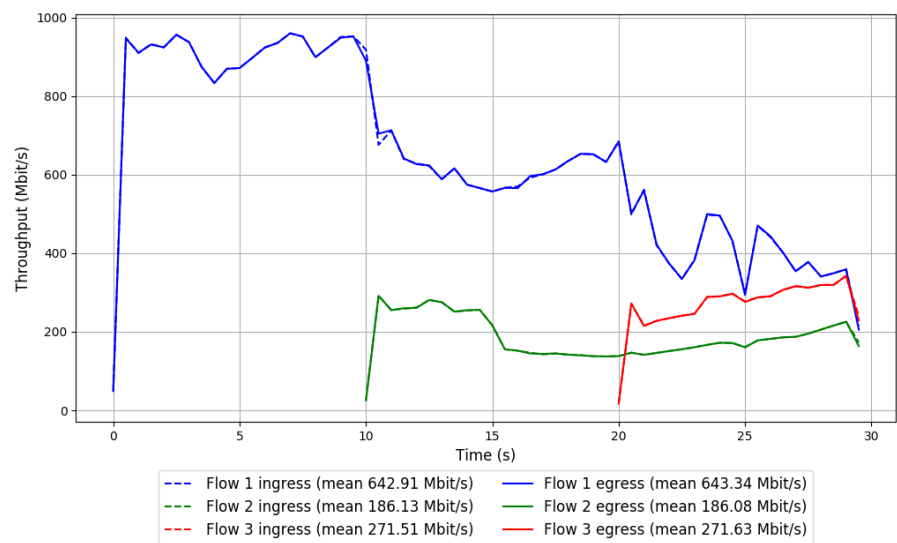


Run 4: Statistics of PCC

Start at: 2018-02-16 12:18:43
End at: 2018-02-16 12:19:13
Local clock offset: 0.343 ms
Remote clock offset: -5.153 ms

Below is generated by plot.py at 2018-02-16 20:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 856.05 Mbit/s
95th percentile per-packet one-way delay: 3.002 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 643.34 Mbit/s
95th percentile per-packet one-way delay: 2.948 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 186.08 Mbit/s
95th percentile per-packet one-way delay: 2.978 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 271.63 Mbit/s
95th percentile per-packet one-way delay: 3.215 ms
Loss rate: 0.23%

Run 4: Report of PCC — Data Link

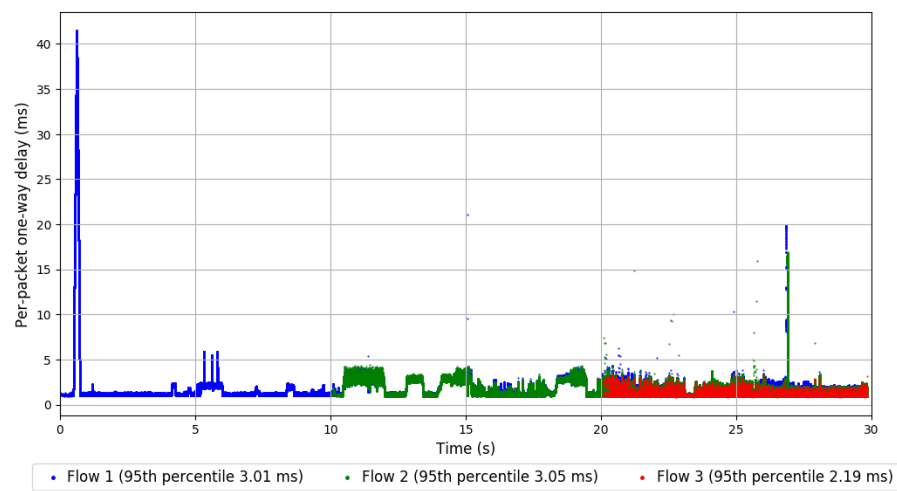
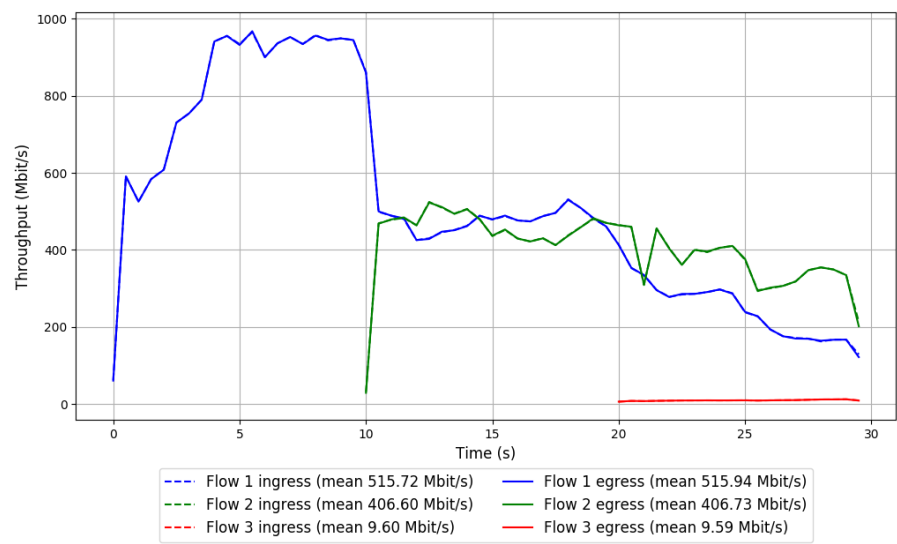


Run 5: Statistics of PCC

Start at: 2018-02-16 12:45:43
End at: 2018-02-16 12:46:13
Local clock offset: 0.392 ms
Remote clock offset: -4.926 ms

Below is generated by plot.py at 2018-02-16 20:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 789.08 Mbit/s
95th percentile per-packet one-way delay: 3.030 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 515.94 Mbit/s
95th percentile per-packet one-way delay: 3.012 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 406.73 Mbit/s
95th percentile per-packet one-way delay: 3.049 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 9.59 Mbit/s
95th percentile per-packet one-way delay: 2.192 ms
Loss rate: 0.26%

Run 5: Report of PCC — Data Link

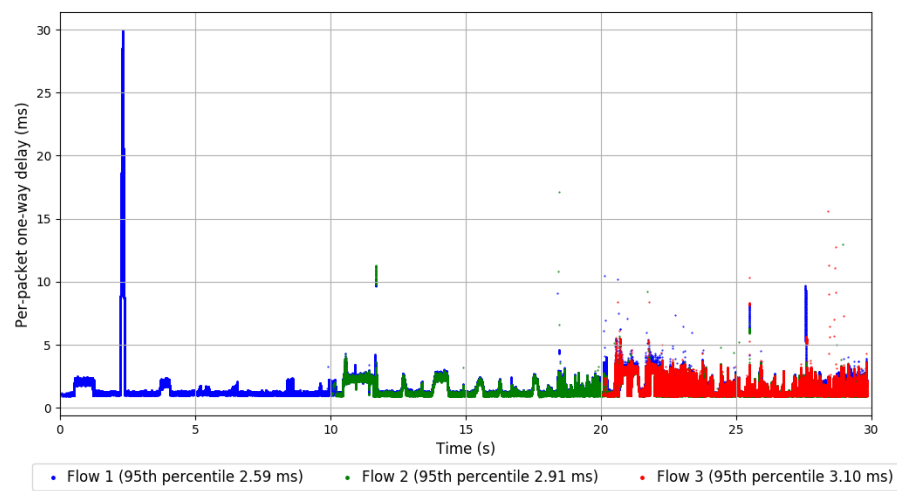
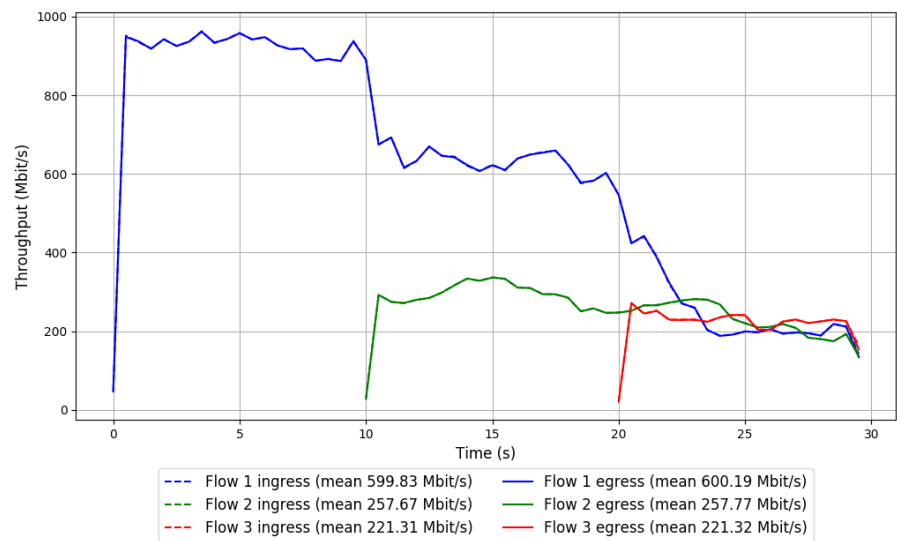


Run 6: Statistics of PCC

Start at: 2018-02-16 13:12:29
End at: 2018-02-16 13:12:59
Local clock offset: 0.233 ms
Remote clock offset: -6.479 ms

Below is generated by plot.py at 2018-02-16 20:46:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 843.84 Mbit/s
95th percentile per-packet one-way delay: 2.814 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 600.19 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 257.77 Mbit/s
95th percentile per-packet one-way delay: 2.906 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 221.32 Mbit/s
95th percentile per-packet one-way delay: 3.099 ms
Loss rate: 0.20%

Run 6: Report of PCC — Data Link

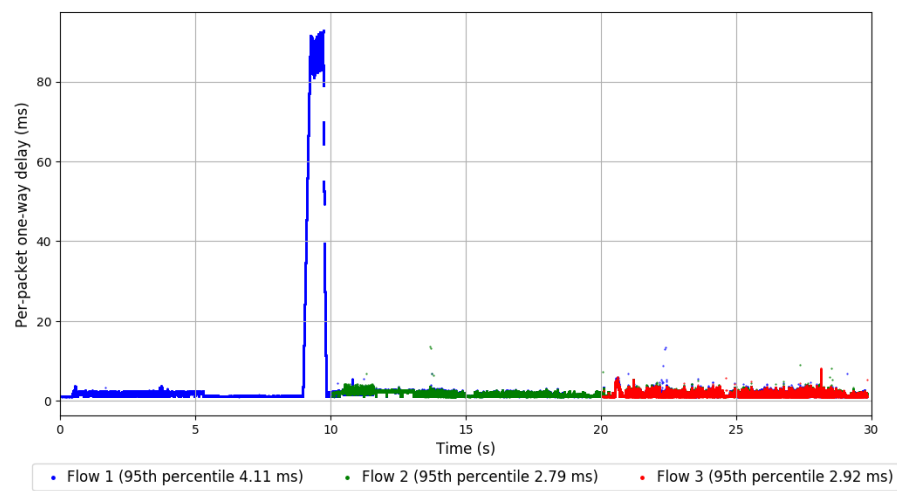
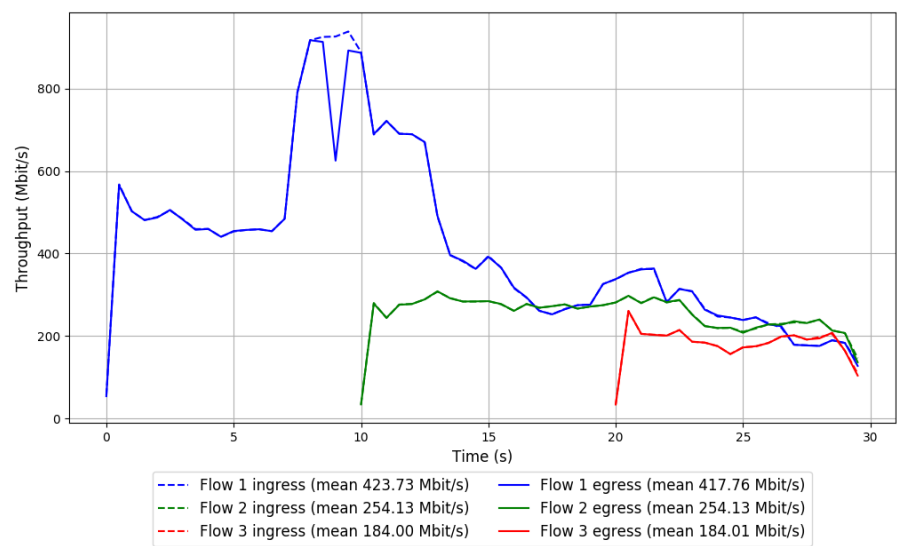


Run 7: Statistics of PCC

Start at: 2018-02-16 13:39:13
End at: 2018-02-16 13:39:43
Local clock offset: 0.208 ms
Remote clock offset: -8.381 ms

```
# Below is generated by plot.py at 2018-02-16 20:46:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 647.08 Mbit/s
95th percentile per-packet one-way delay: 3.121 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 417.76 Mbit/s
95th percentile per-packet one-way delay: 4.105 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 254.13 Mbit/s
95th percentile per-packet one-way delay: 2.787 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 184.01 Mbit/s
95th percentile per-packet one-way delay: 2.918 ms
Loss rate: 0.14%
```

Run 7: Report of PCC — Data Link

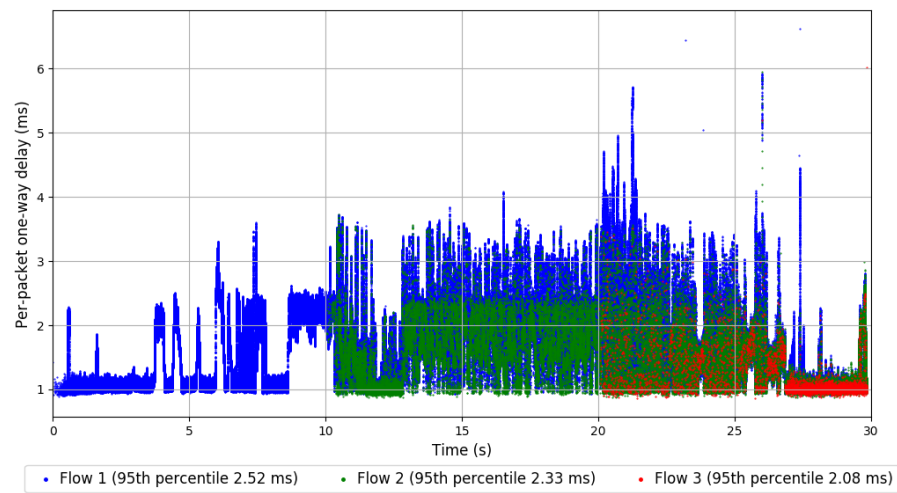
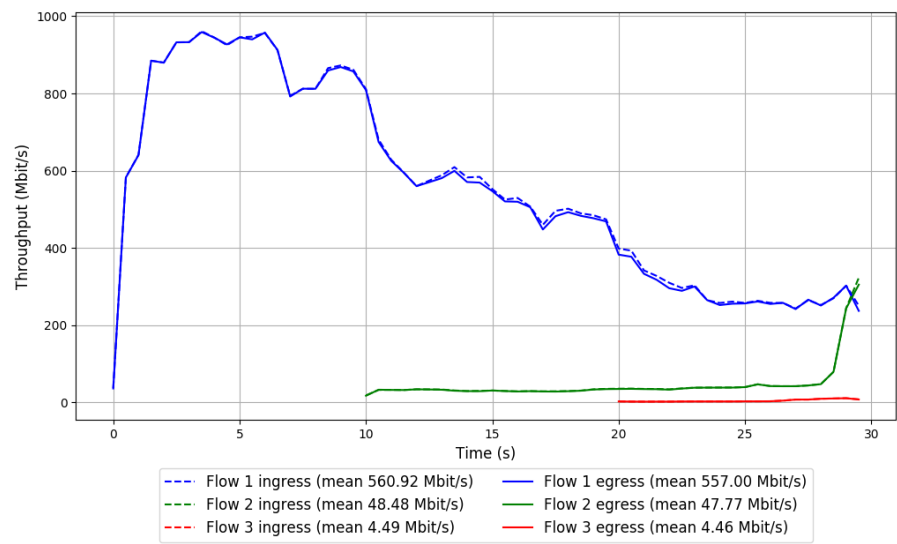


Run 8: Statistics of PCC

Start at: 2018-02-16 14:06:19
End at: 2018-02-16 14:06:49
Local clock offset: 0.098 ms
Remote clock offset: -7.318 ms

Below is generated by plot.py at 2018-02-16 20:46:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 590.10 Mbit/s
95th percentile per-packet one-way delay: 2.503 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 557.00 Mbit/s
95th percentile per-packet one-way delay: 2.518 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 2.077 ms
Loss rate: 0.96%

Run 8: Report of PCC — Data Link

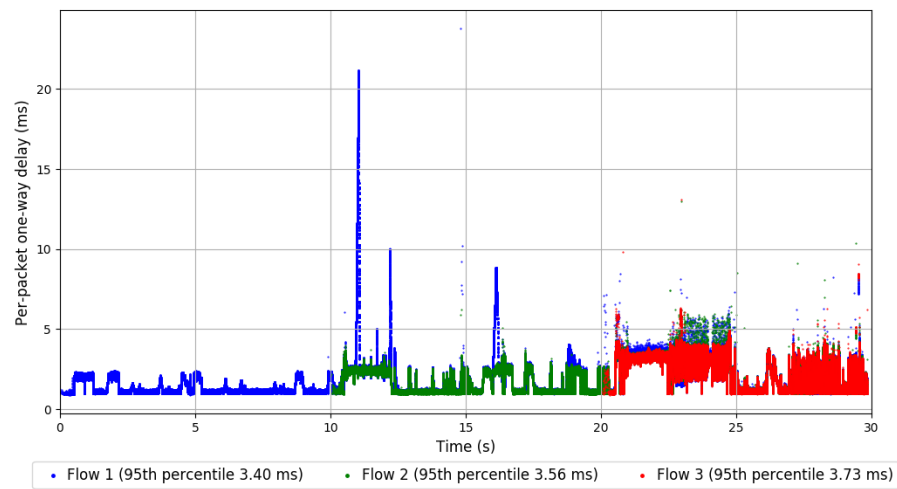
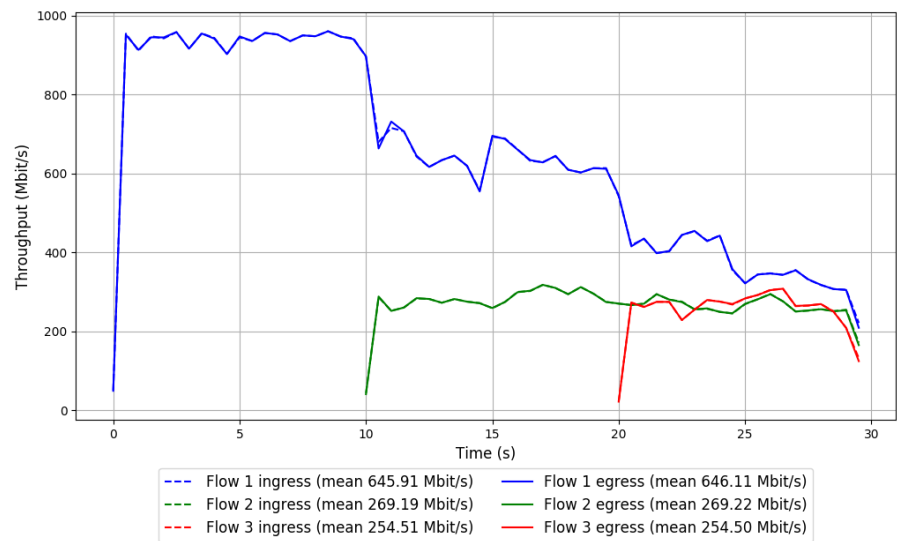


Run 9: Statistics of PCC

Start at: 2018-02-16 14:33:11
End at: 2018-02-16 14:33:41
Local clock offset: 0.215 ms
Remote clock offset: -6.199 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 908.43 Mbit/s
95th percentile per-packet one-way delay: 3.501 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 646.11 Mbit/s
95th percentile per-packet one-way delay: 3.403 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 269.22 Mbit/s
95th percentile per-packet one-way delay: 3.557 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 254.50 Mbit/s
95th percentile per-packet one-way delay: 3.726 ms
Loss rate: 0.17%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-16 14:59:59

End at: 2018-02-16 15:00:29

Local clock offset: -0.028 ms

Remote clock offset: -5.05 ms

Below is generated by plot.py at 2018-02-16 20:54:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 814.37 Mbit/s

95th percentile per-packet one-way delay: 3.008 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 666.53 Mbit/s

95th percentile per-packet one-way delay: 3.064 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 88.93 Mbit/s

95th percentile per-packet one-way delay: 2.334 ms

Loss rate: 0.13%

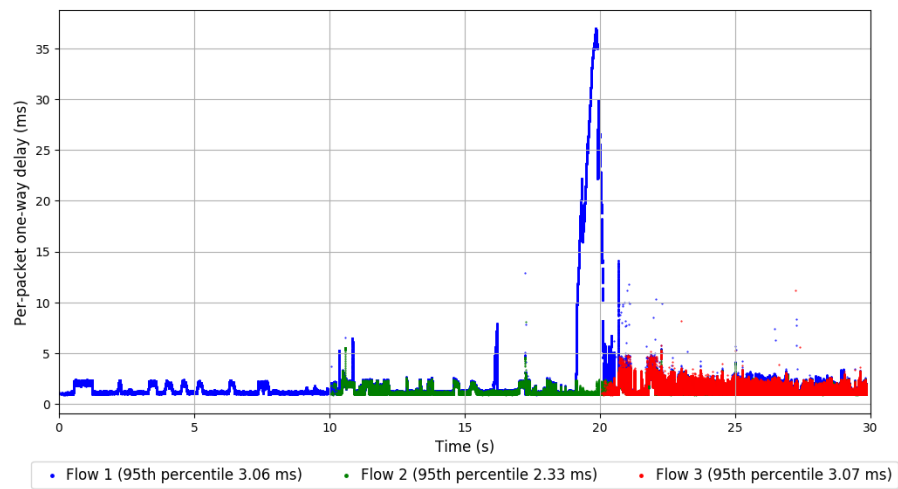
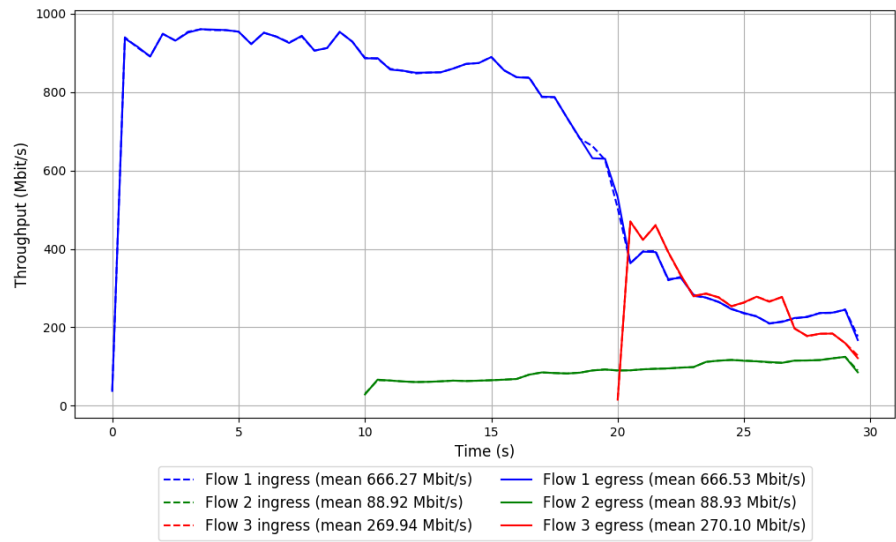
-- Flow 3:

Average throughput: 270.10 Mbit/s

95th percentile per-packet one-way delay: 3.069 ms

Loss rate: 0.13%

Run 10: Report of PCC — Data Link

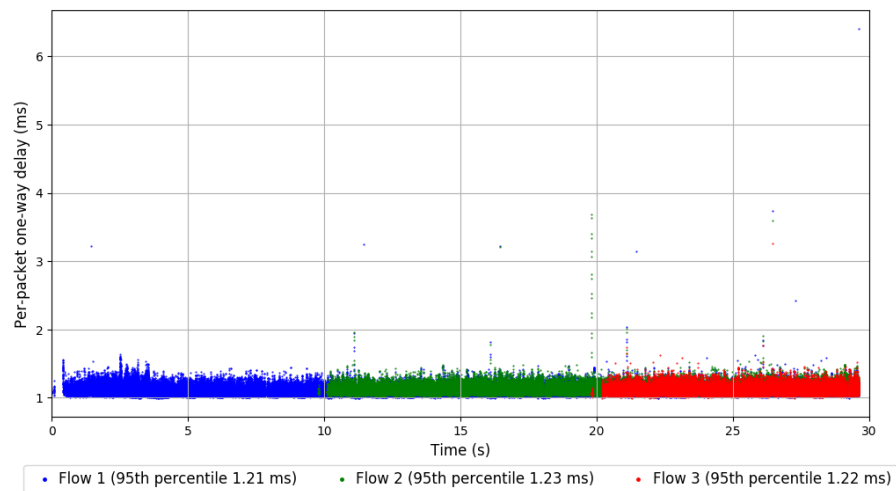
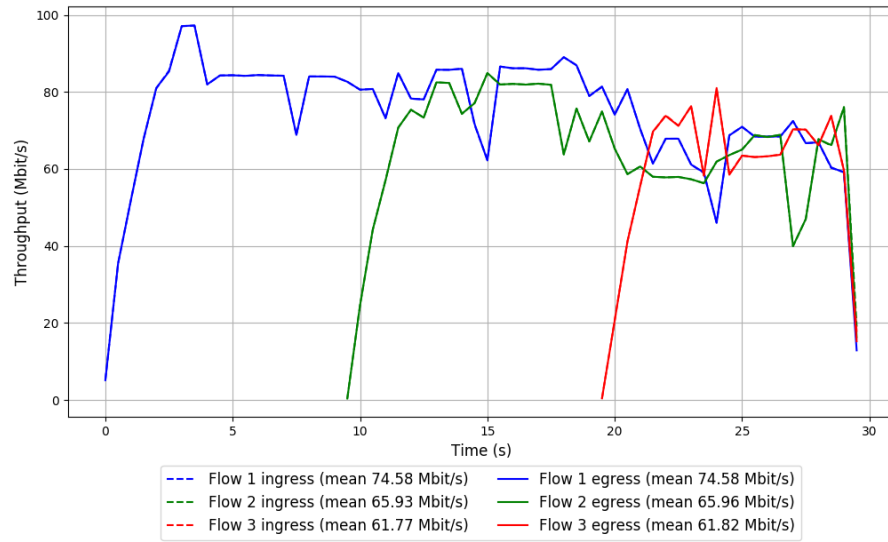


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-16 10:59:47
End at: 2018-02-16 11:00:17
Local clock offset: 0.44 ms
Remote clock offset: -6.212 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.32 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 61.82 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.22%

Run 1: Report of QUIC Cubic — Data Link

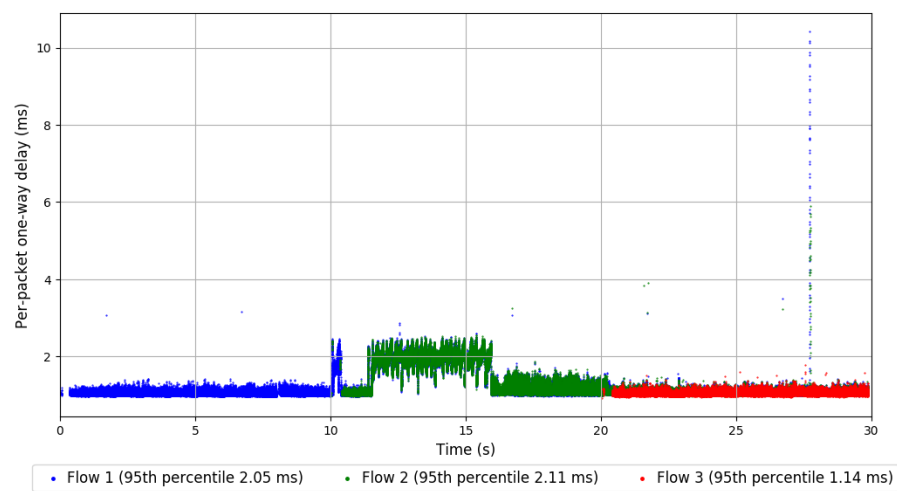
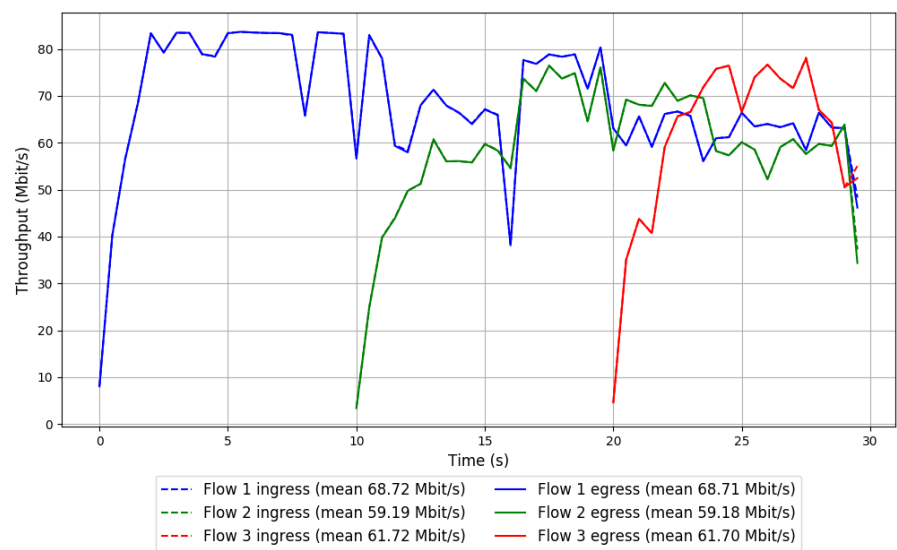


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-16 11:26:38
End at: 2018-02-16 11:27:08
Local clock offset: 0.32 ms
Remote clock offset: -6.883 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.38 Mbit/s
95th percentile per-packet one-way delay: 2.046 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 68.71 Mbit/s
95th percentile per-packet one-way delay: 2.050 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 59.18 Mbit/s
95th percentile per-packet one-way delay: 2.108 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.22%

Run 2: Report of QUIC Cubic — Data Link

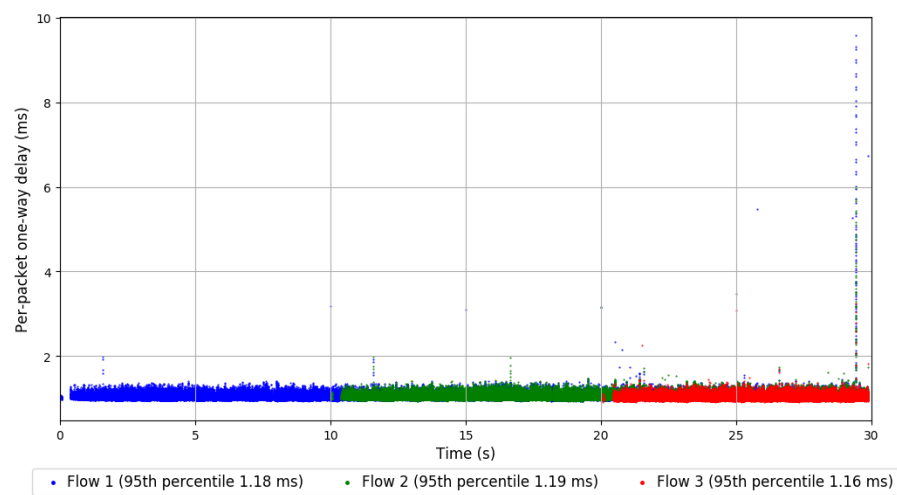
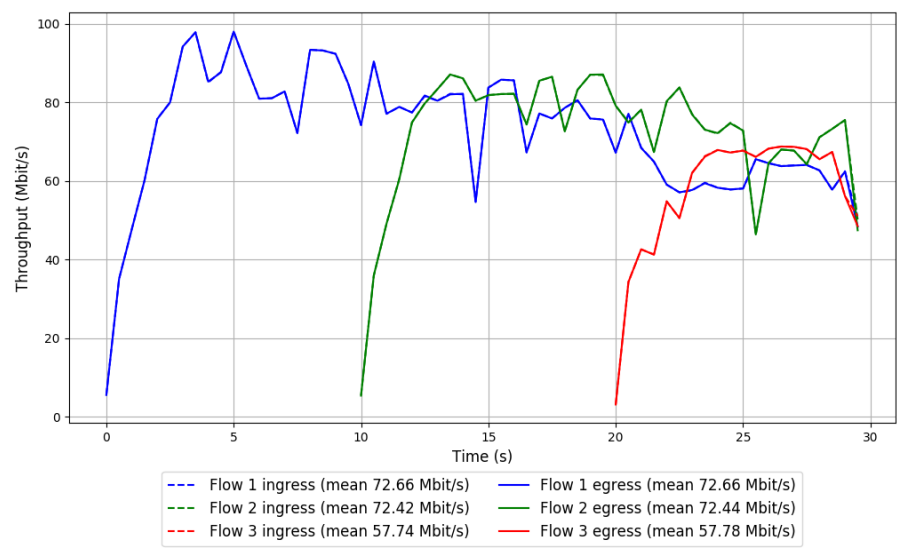


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-16 11:53:17
End at: 2018-02-16 11:53:47
Local clock offset: 0.049 ms
Remote clock offset: -5.635 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.81 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 72.66 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 72.44 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 1.158 ms
Loss rate: 0.23%

Run 3: Report of QUIC Cubic — Data Link

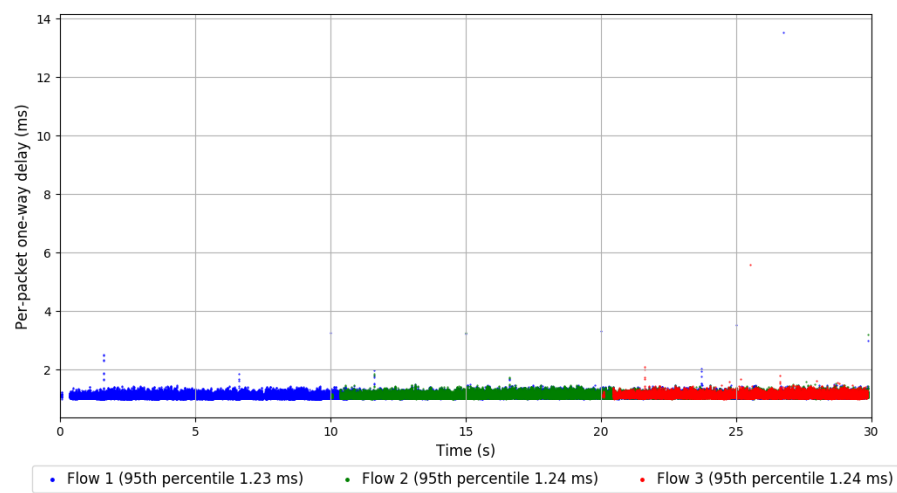
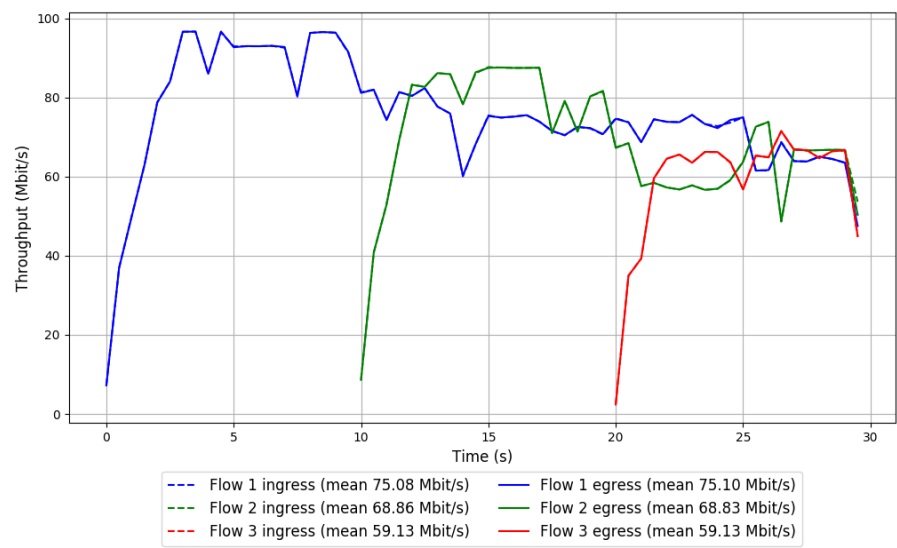


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-16 12:20:17
End at: 2018-02-16 12:20:47
Local clock offset: 0.315 ms
Remote clock offset: -5.097 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.29 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 75.10 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 68.83 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

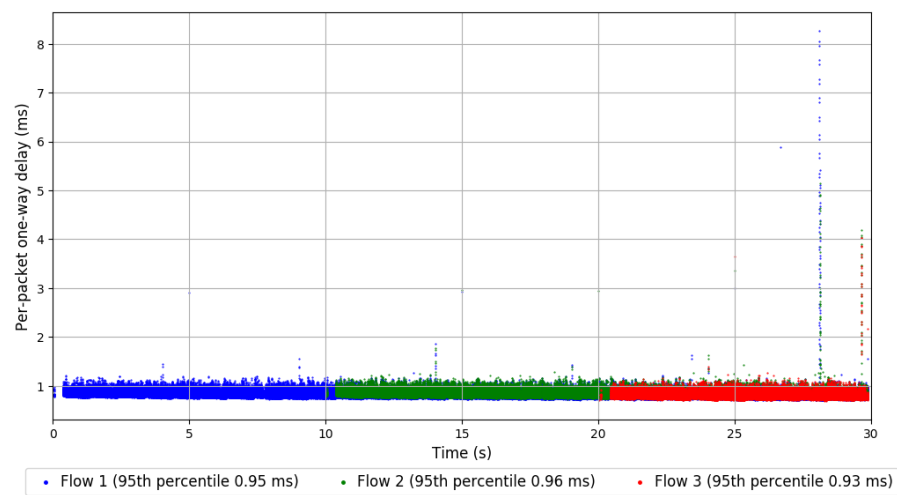
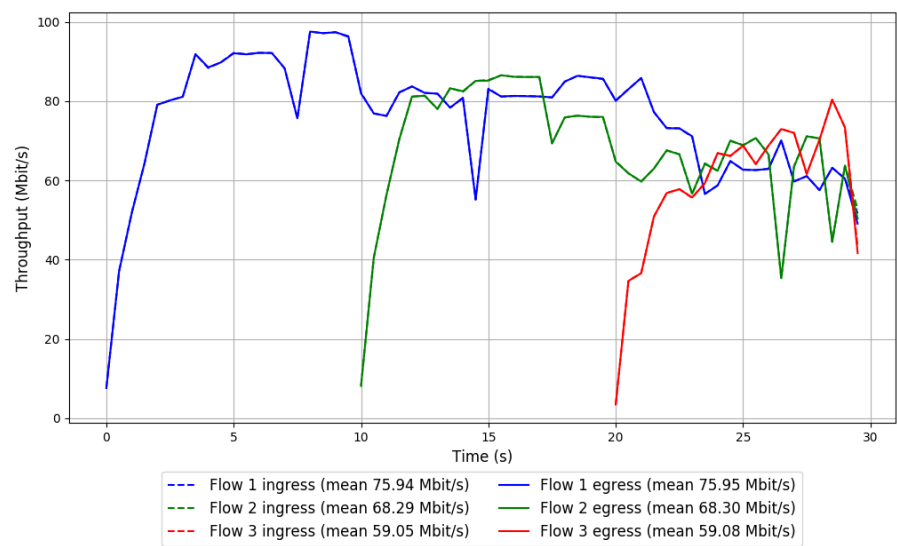


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-16 12:47:15
End at: 2018-02-16 12:47:45
Local clock offset: 0.279 ms
Remote clock offset: -5.069 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.80 Mbit/s
95th percentile per-packet one-way delay: 0.954 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: 0.952 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 68.30 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 0.932 ms
Loss rate: 0.13%

Run 5: Report of QUIC Cubic — Data Link

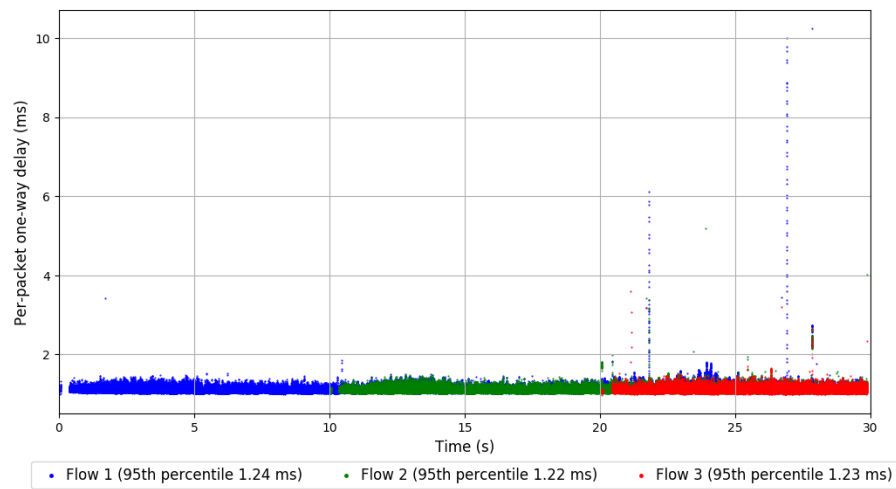
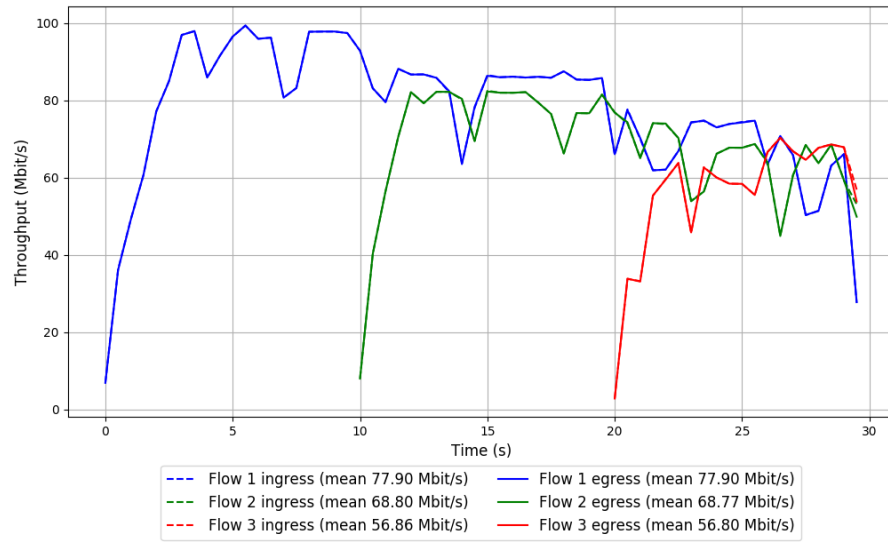


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-16 13:14:03
End at: 2018-02-16 13:14:33
Local clock offset: 0.297 ms
Remote clock offset: -6.522 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.86 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.29%

Run 6: Report of QUIC Cubic — Data Link

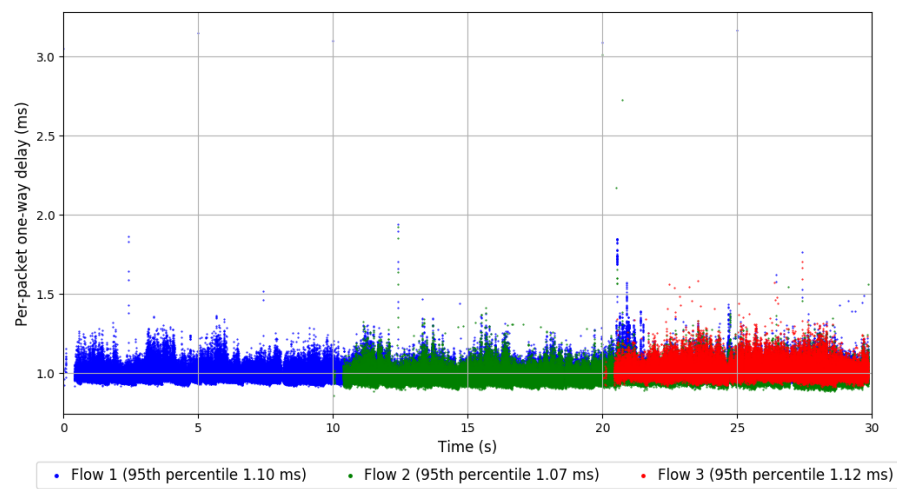
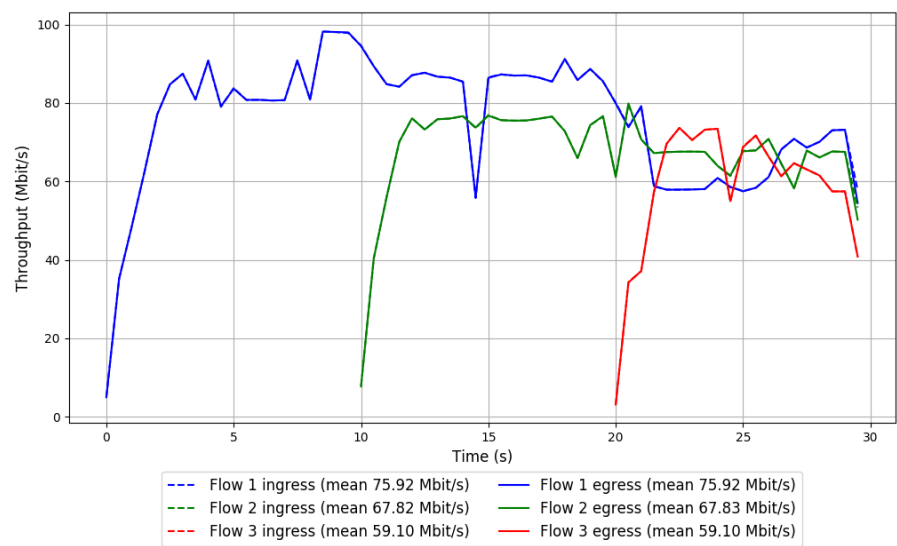


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-16 13:40:42
End at: 2018-02-16 13:41:12
Local clock offset: 0.2 ms
Remote clock offset: -8.383 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.45 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 75.92 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 67.83 Mbit/s
95th percentile per-packet one-way delay: 1.074 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 59.10 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

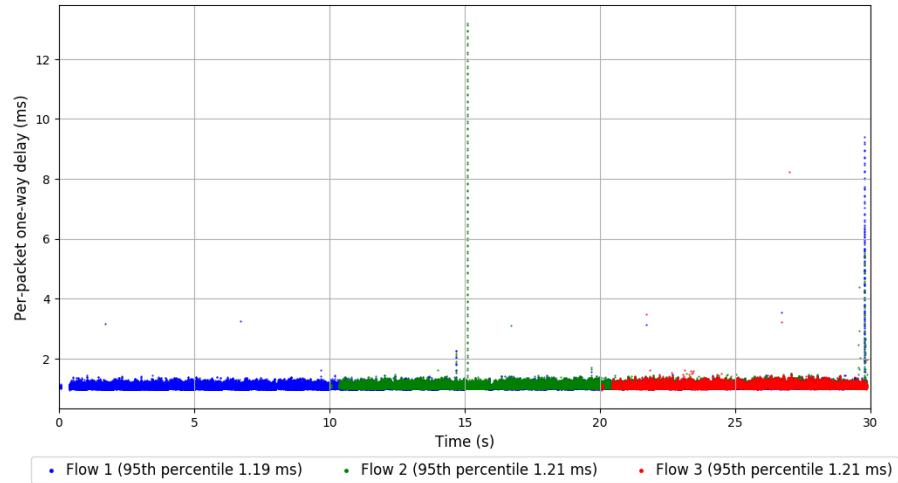
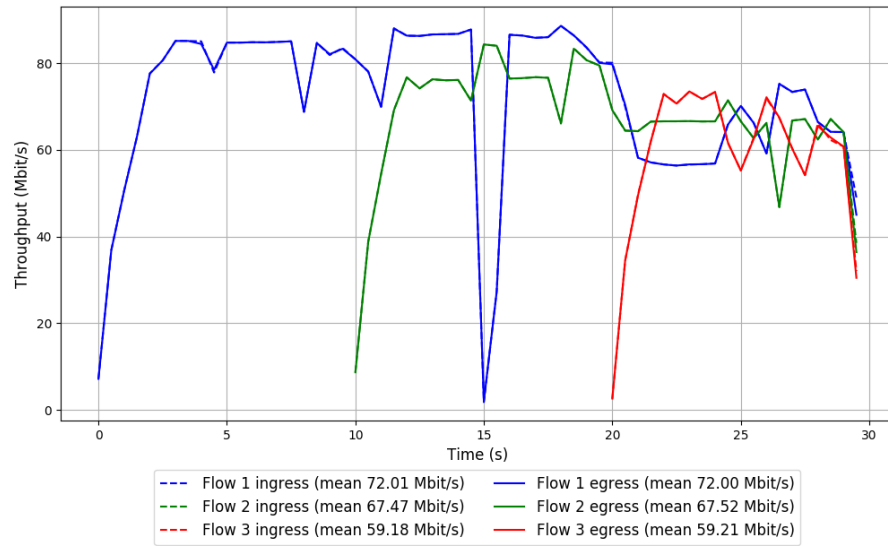


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-16 14:07:47
End at: 2018-02-16 14:08:17
Local clock offset: 0.105 ms
Remote clock offset: -7.321 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.38 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 72.00 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 67.52 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.15%

Run 8: Report of QUIC Cubic — Data Link

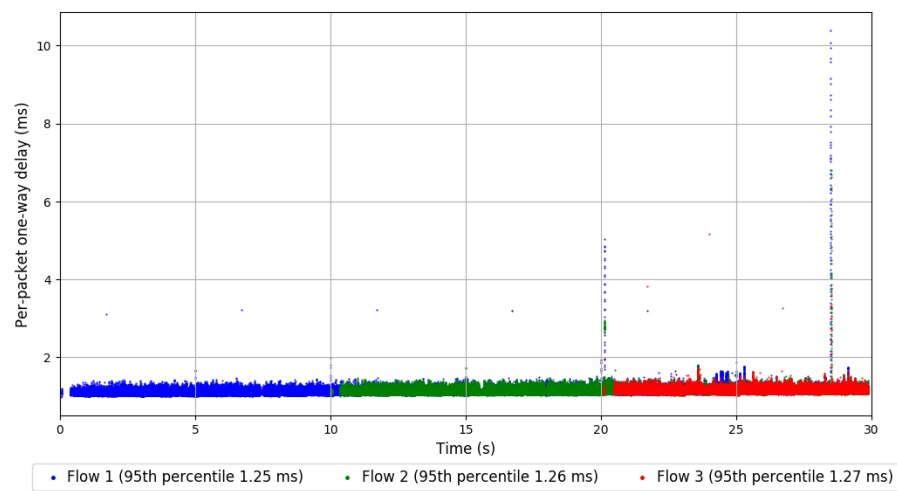
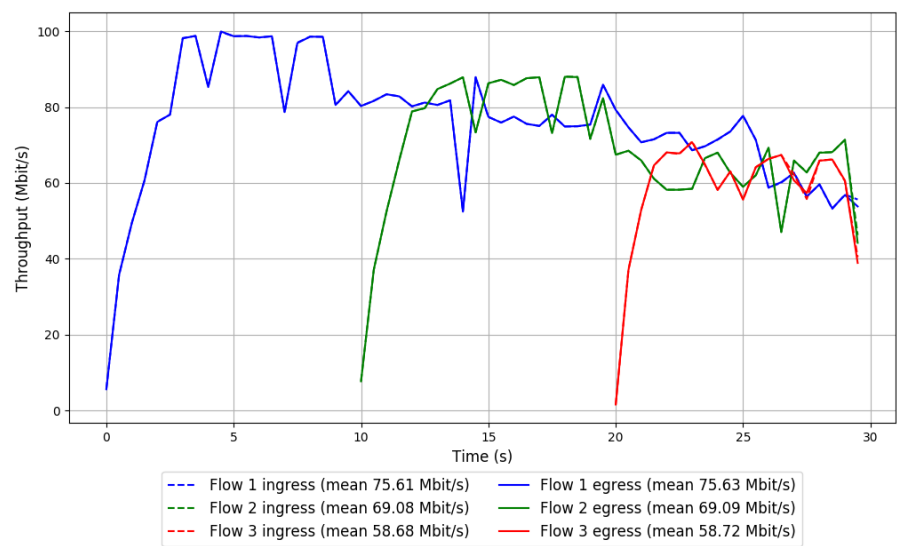


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-16 14:34:47
End at: 2018-02-16 14:35:17
Local clock offset: 0.325 ms
Remote clock offset: -6.053 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.85 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 69.09 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 58.72 Mbit/s
95th percentile per-packet one-way delay: 1.271 ms
Loss rate: 0.13%

Run 9: Report of QUIC Cubic — Data Link

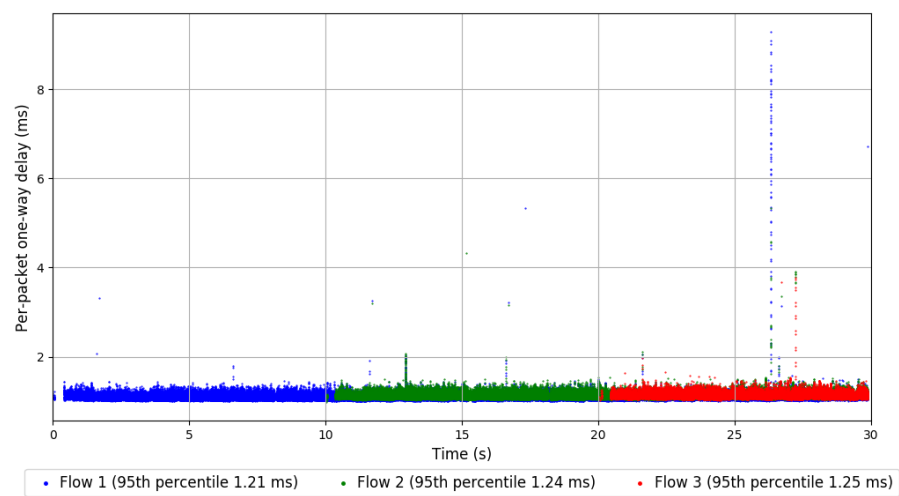
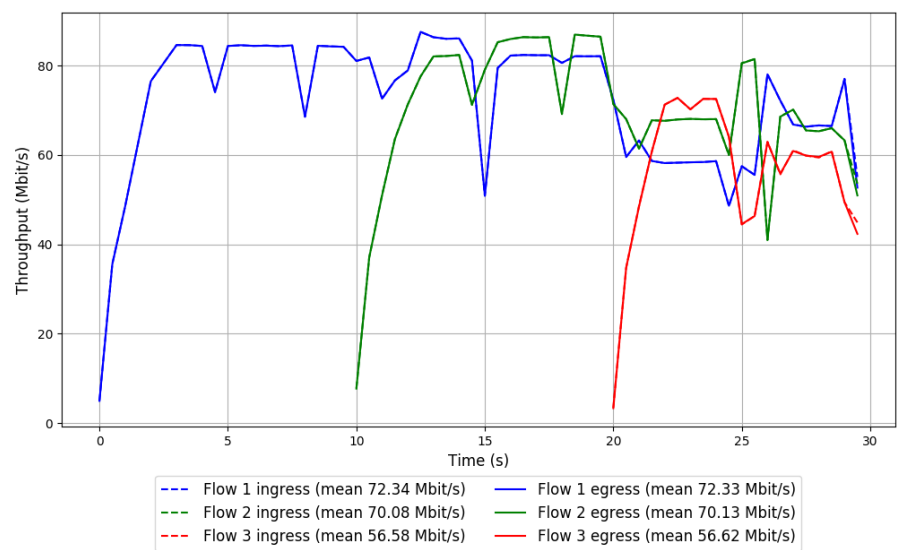


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-16 15:01:31
End at: 2018-02-16 15:02:01
Local clock offset: 0.052 ms
Remote clock offset: -5.033 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.57 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.24%

Run 10: Report of QUIC Cubic — Data Link

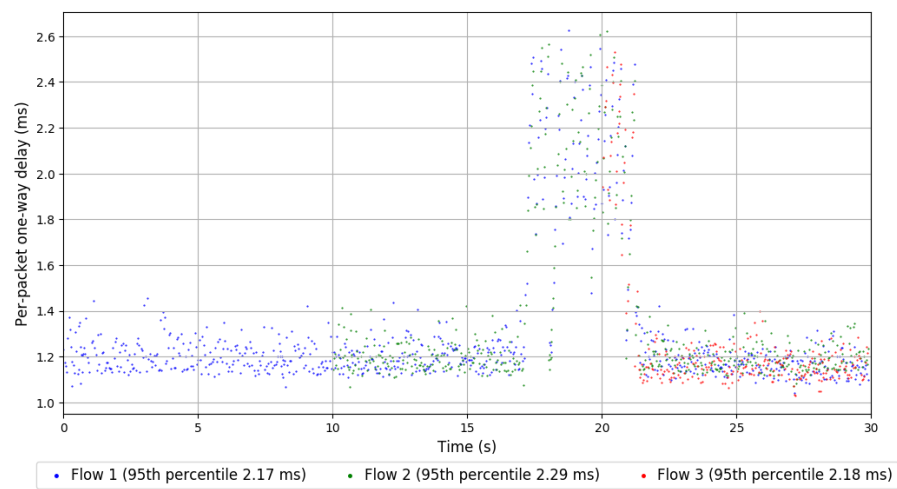
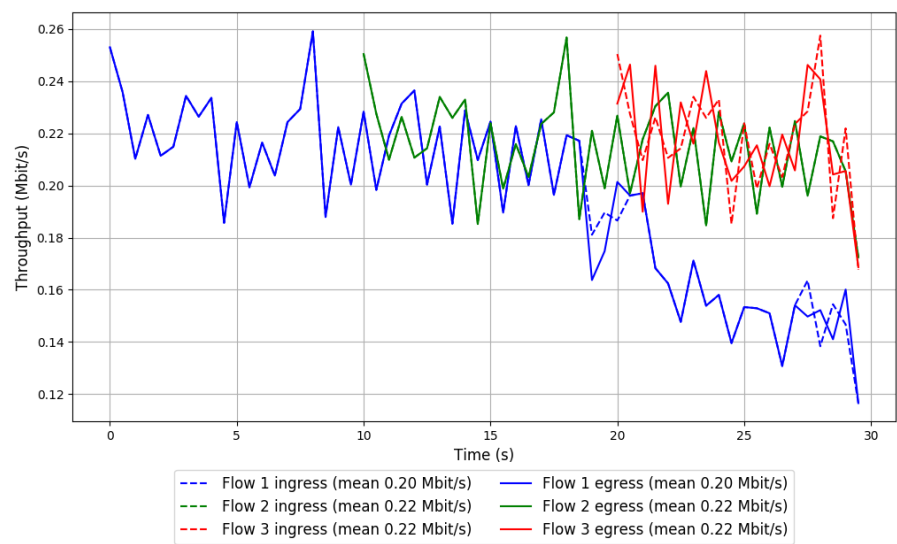


Run 1: Statistics of SCReAM

Start at: 2018-02-16 10:54:03
End at: 2018-02-16 10:54:33
Local clock offset: 0.369 ms
Remote clock offset: -6.317 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 2.254 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 2.166 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.295 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.181 ms
Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

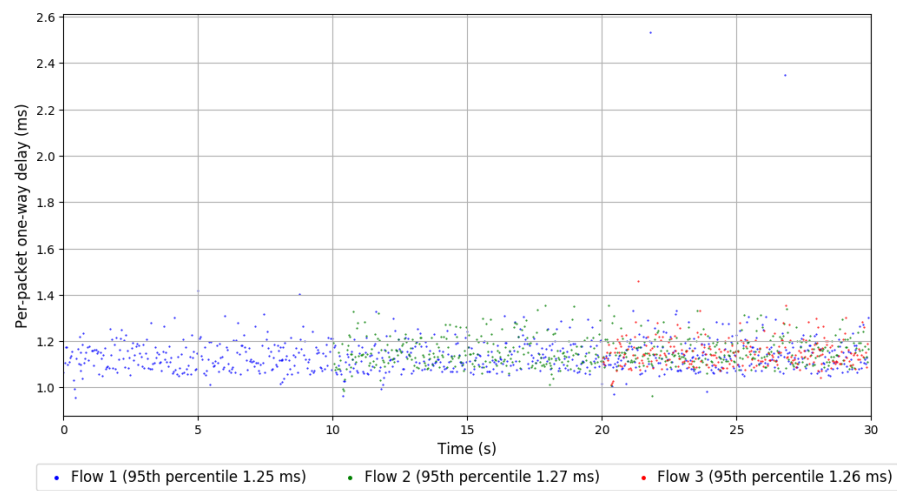
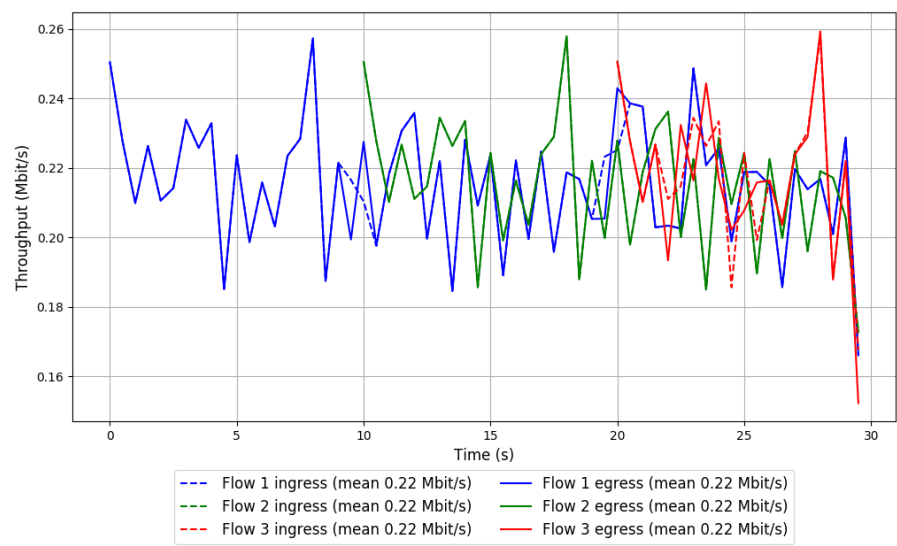


Run 2: Statistics of SReAM

Start at: 2018-02-16 11:20:49
End at: 2018-02-16 11:21:19
Local clock offset: 0.42 ms
Remote clock offset: -6.909 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

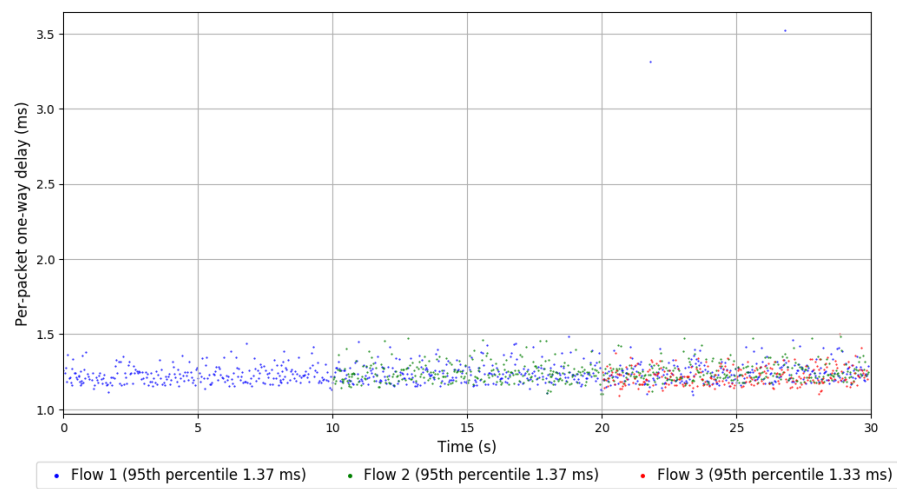
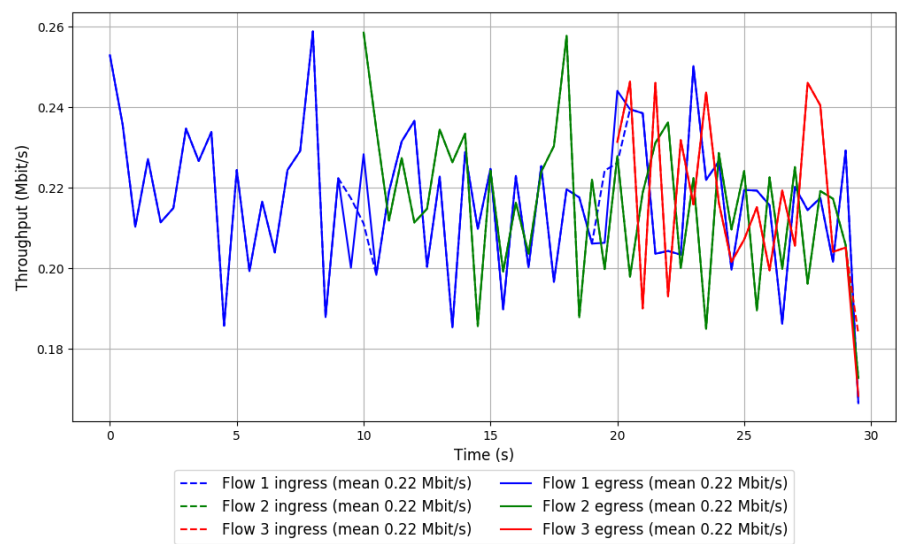


Run 3: Statistics of SCReAM

Start at: 2018-02-16 11:47:37
End at: 2018-02-16 11:48:07
Local clock offset: 0.073 ms
Remote clock offset: -5.935 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.359 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.368 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

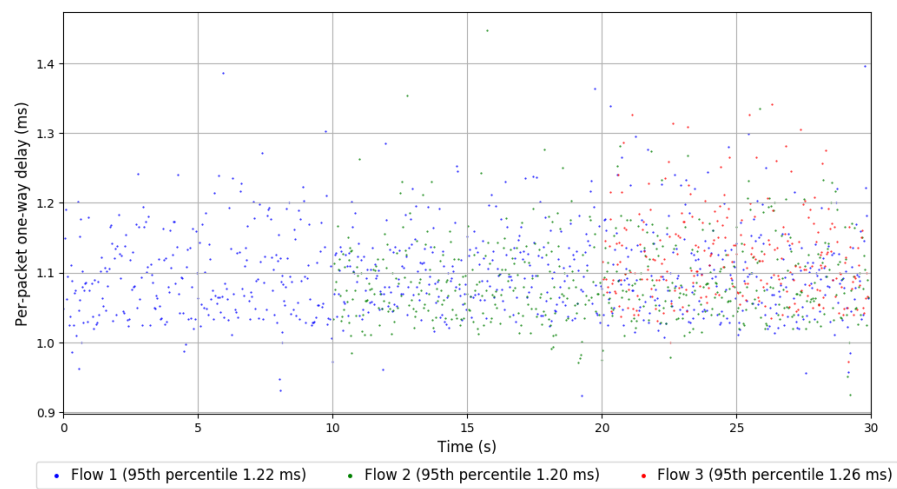
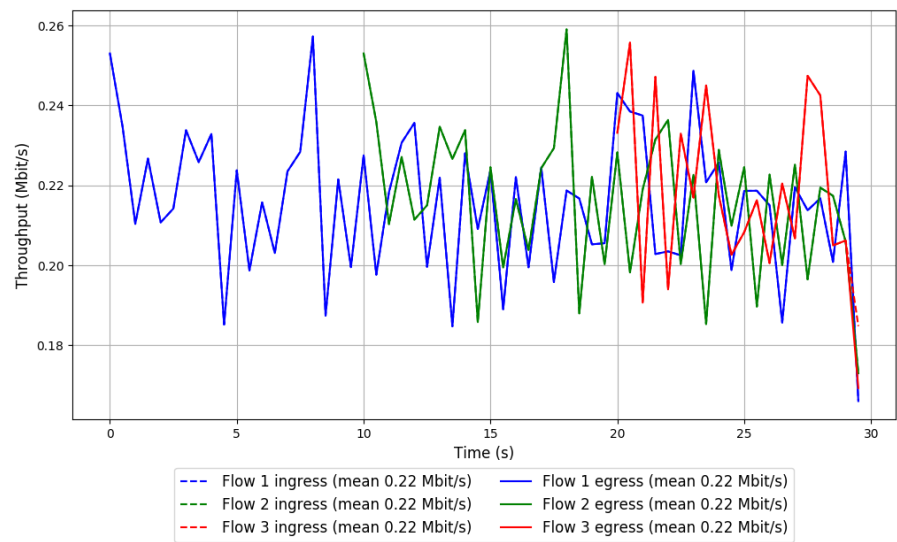


Run 4: Statistics of SReAM

Start at: 2018-02-16 12:14:29
End at: 2018-02-16 12:14:59
Local clock offset: 0.233 ms
Remote clock offset: -5.197 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.256 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

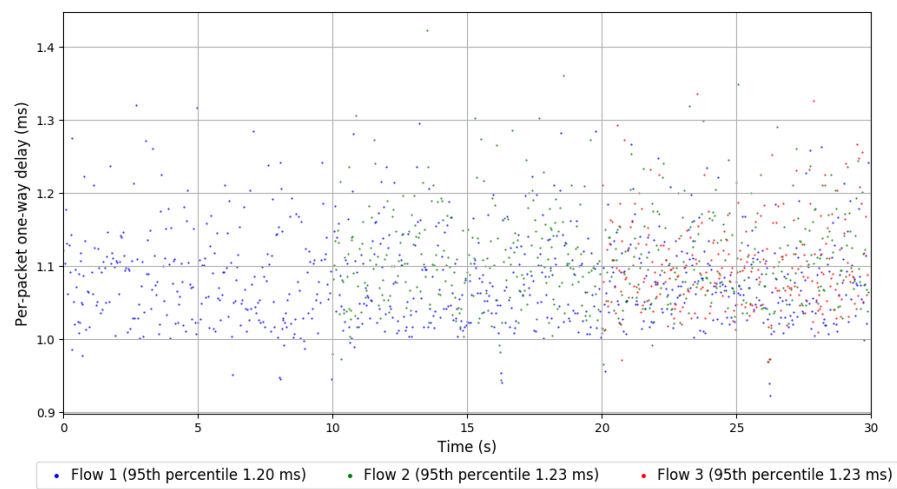
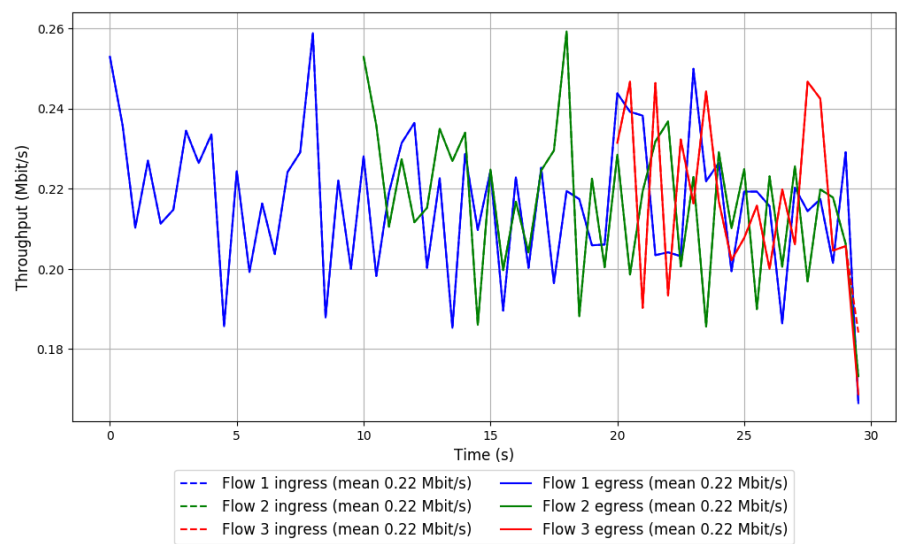


Run 5: Statistics of SReAM

Start at: 2018-02-16 12:41:32
End at: 2018-02-16 12:42:02
Local clock offset: 0.371 ms
Remote clock offset: -4.648 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-02-16 13:08:18

End at: 2018-02-16 13:08:48

Local clock offset: 0.25 ms

Remote clock offset: -6.36 ms

Below is generated by plot.py at 2018-02-16 20:54:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.208 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.186 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

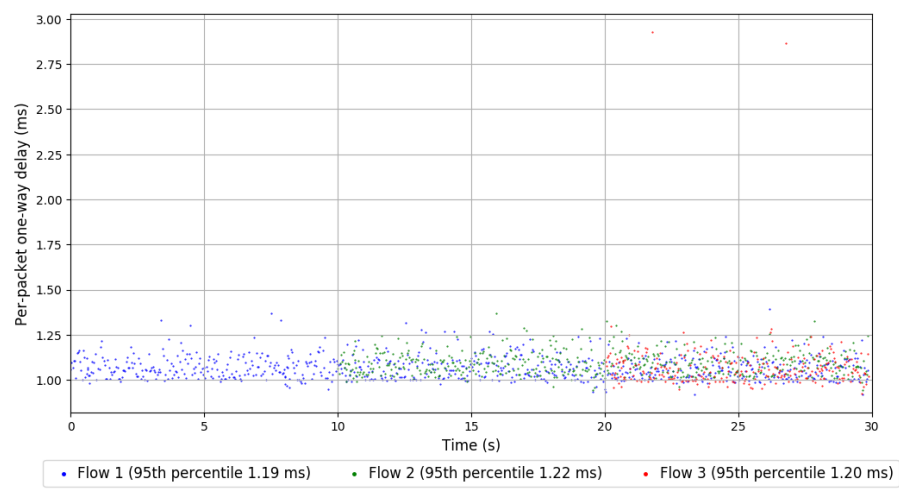
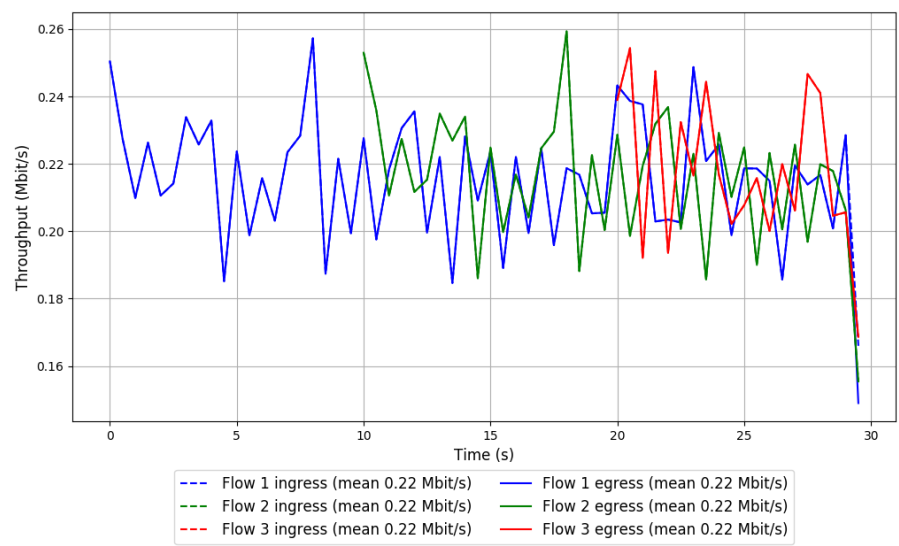
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

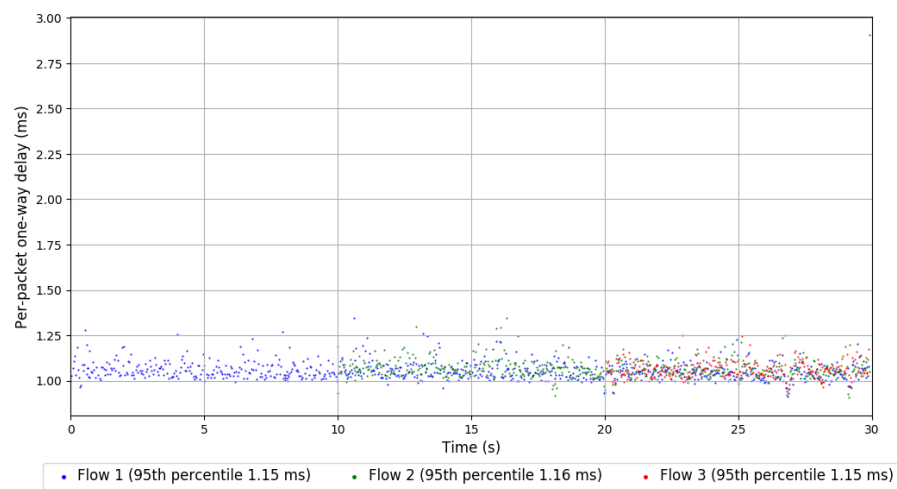
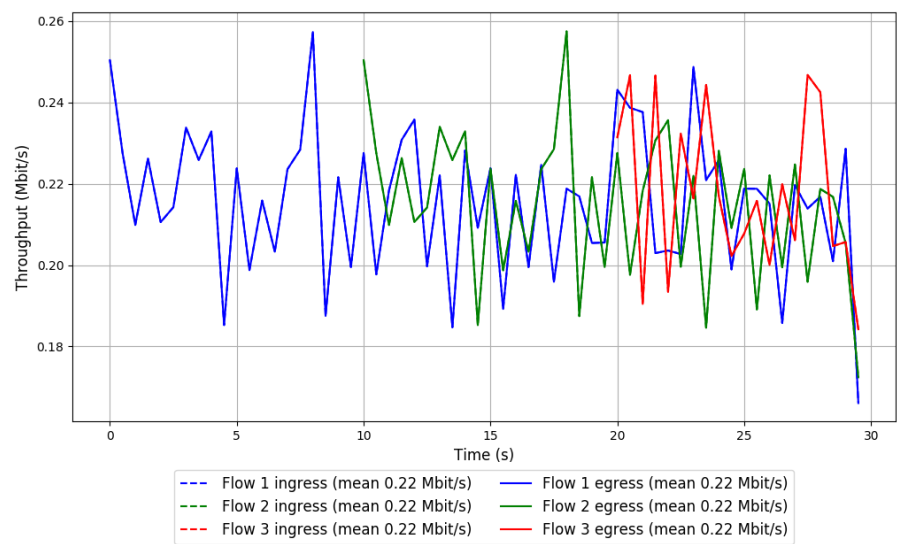


Run 7: Statistics of SReAM

Start at: 2018-02-16 13:34:57
End at: 2018-02-16 13:35:27
Local clock offset: 0.235 ms
Remote clock offset: -8.088 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

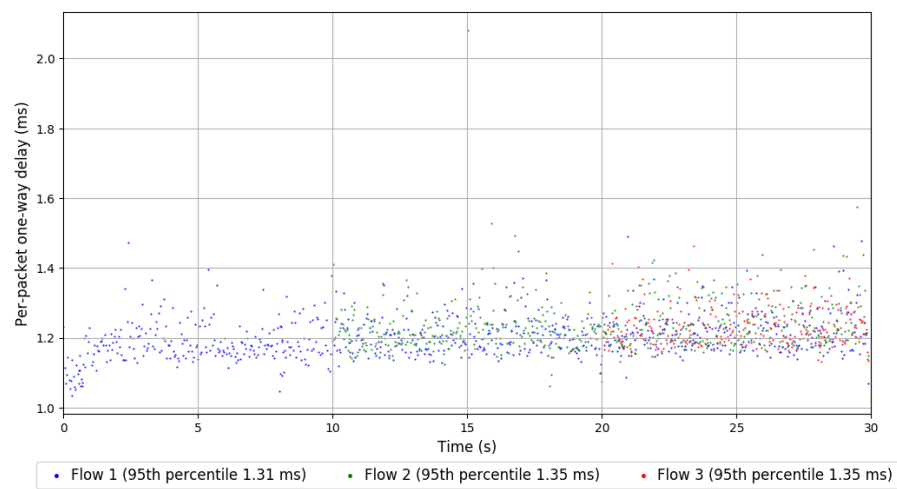
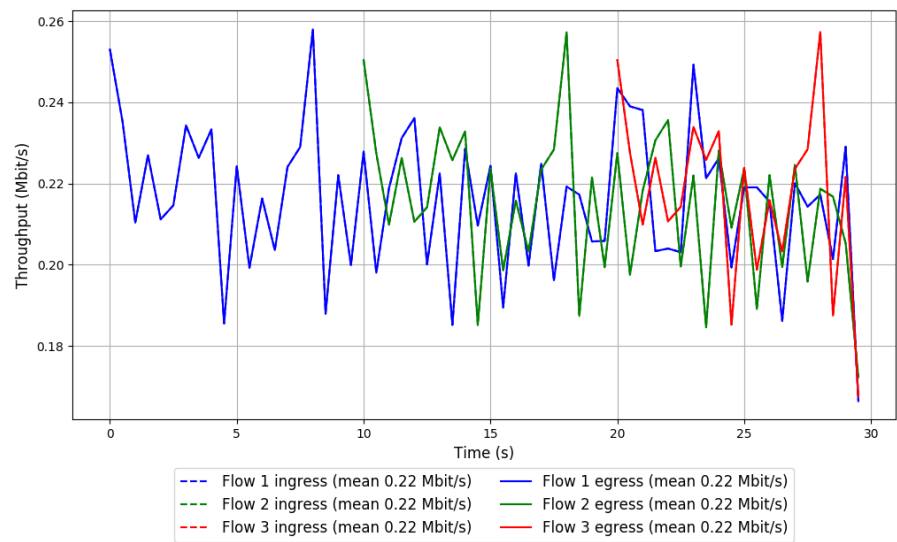


Run 8: Statistics of SReAM

Start at: 2018-02-16 14:01:57
End at: 2018-02-16 14:02:27
Local clock offset: 0.104 ms
Remote clock offset: -7.666 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.349 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.347 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

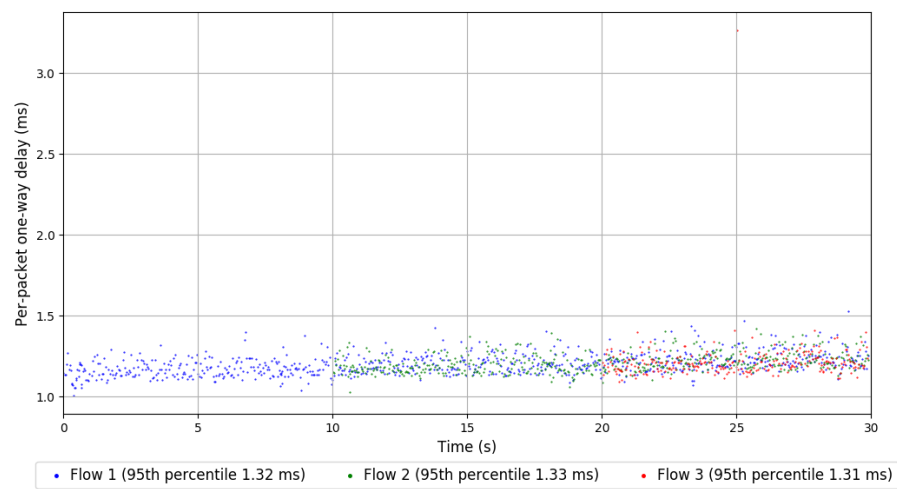
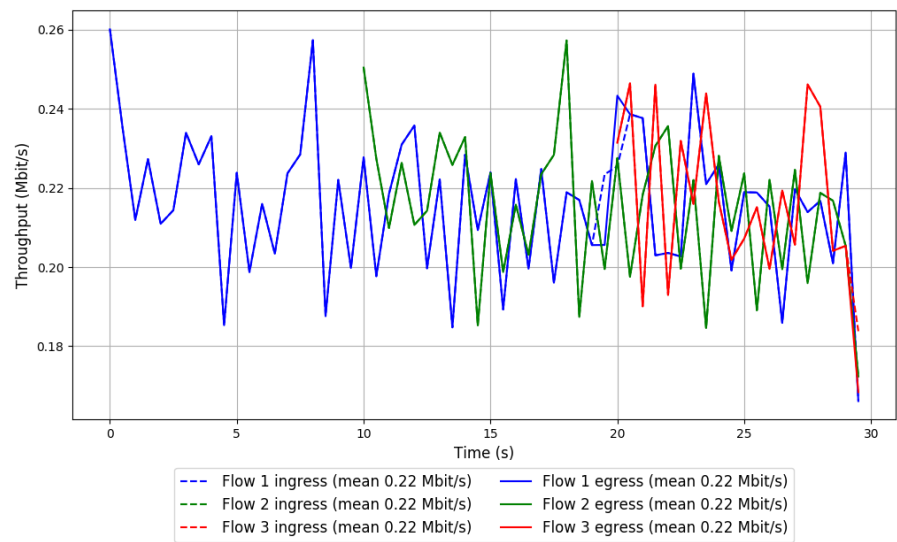


Run 9: Statistics of SReAM

Start at: 2018-02-16 14:28:58
End at: 2018-02-16 14:29:28
Local clock offset: 0.287 ms
Remote clock offset: -6.778 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.314 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

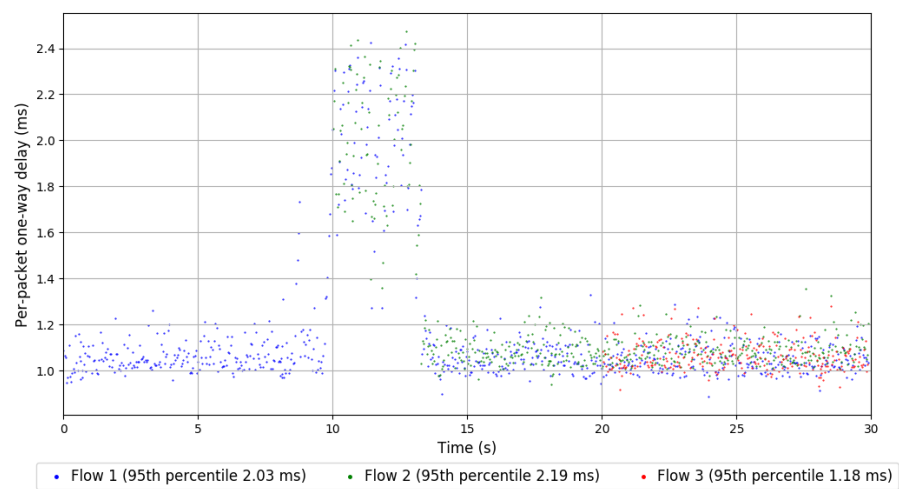
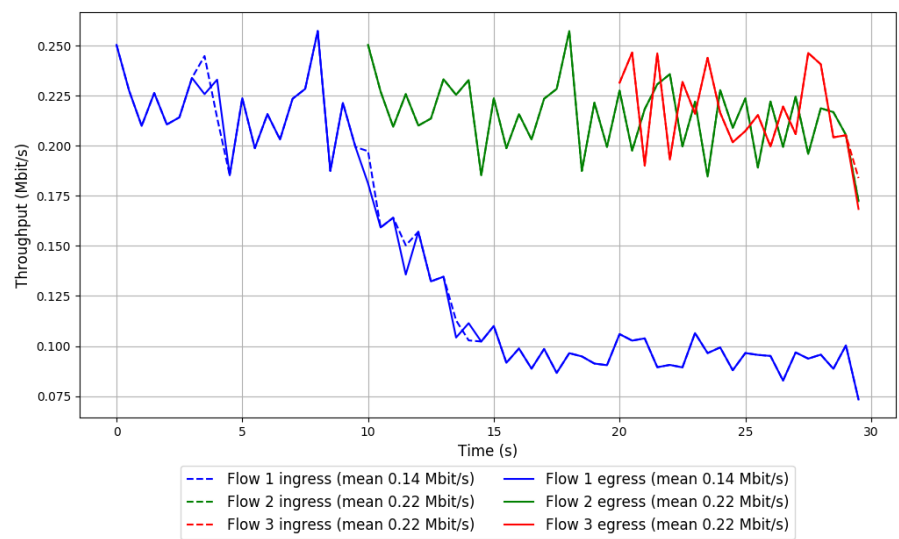


Run 10: Statistics of SCReAM

Start at: 2018-02-16 14:55:42
End at: 2018-02-16 14:56:12
Local clock offset: 0.006 ms
Remote clock offset: -5.095 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 2.049 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 2.028 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.193 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.35%

Run 10: Report of SReAM — Data Link

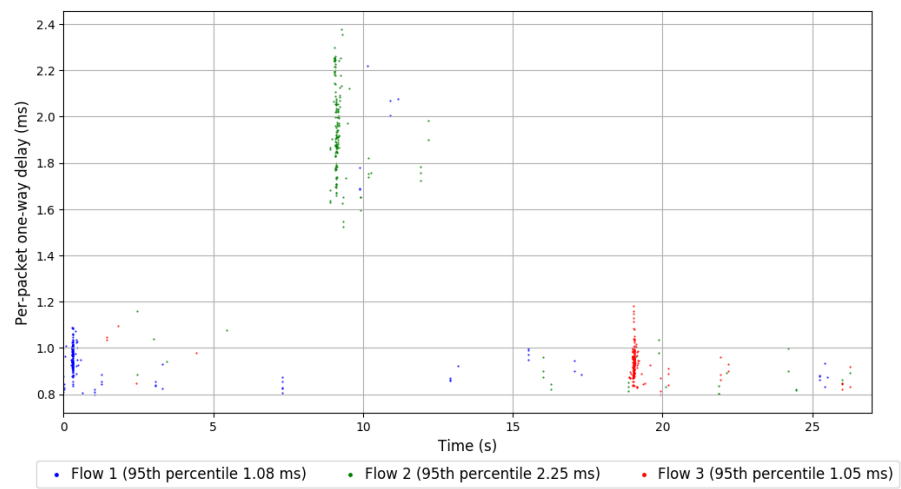
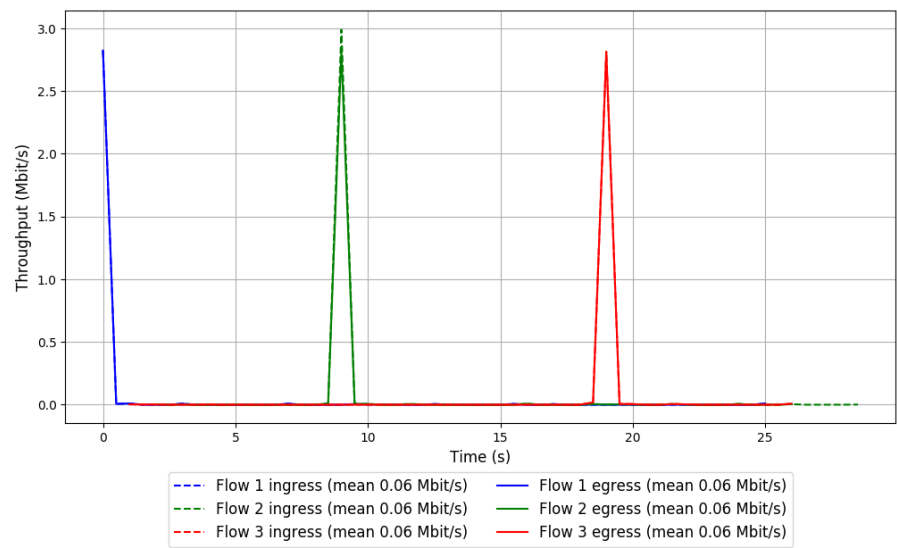


Run 1: Statistics of WebRTC media

Start at: 2018-02-16 10:48:40
End at: 2018-02-16 10:49:10
Local clock offset: 0.152 ms
Remote clock offset: -6.308 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 2.144 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.247 ms
Loss rate: 5.57%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

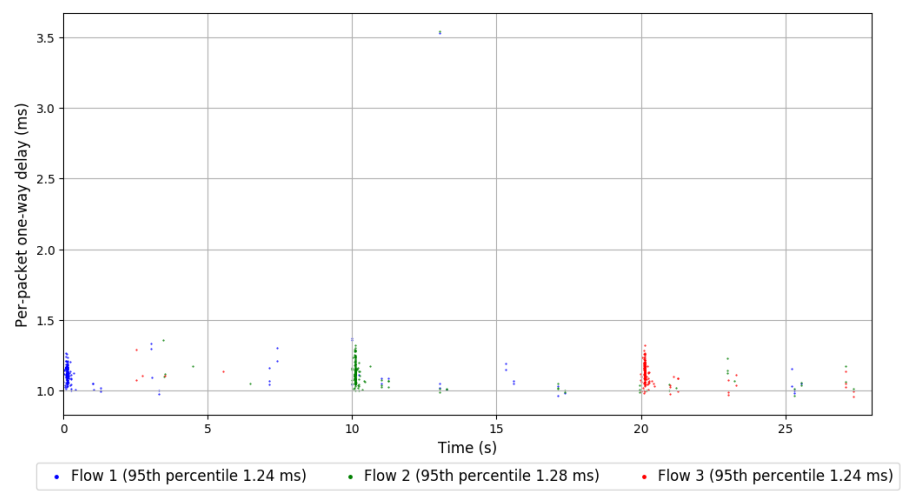
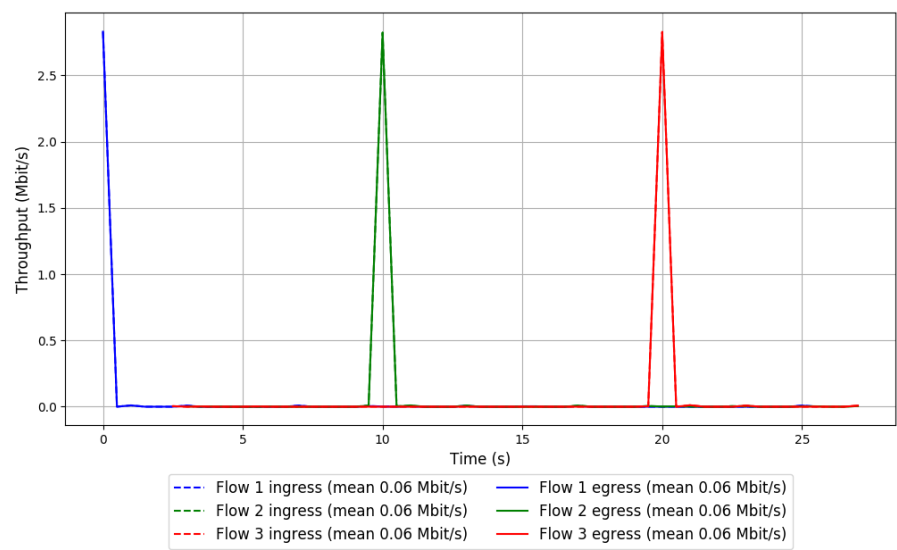


Run 2: Statistics of WebRTC media

Start at: 2018-02-16 11:15:27
End at: 2018-02-16 11:15:57
Local clock offset: 0.577 ms
Remote clock offset: -6.791 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

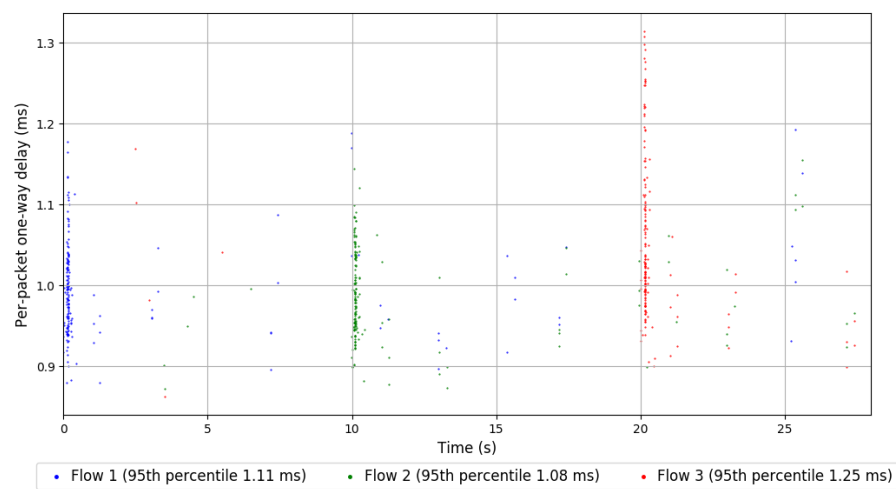
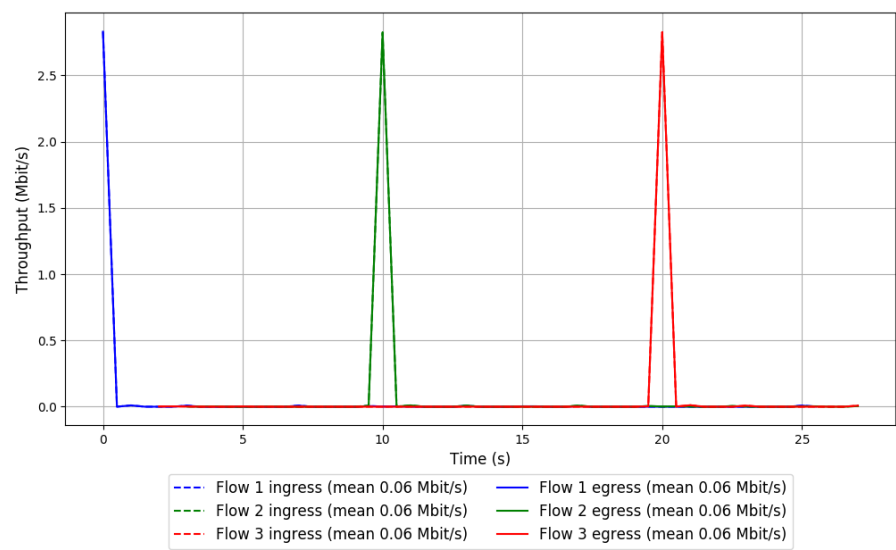


Run 3: Statistics of WebRTC media

Start at: 2018-02-16 11:42:13
End at: 2018-02-16 11:42:43
Local clock offset: 0.031 ms
Remote clock offset: -6.174 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

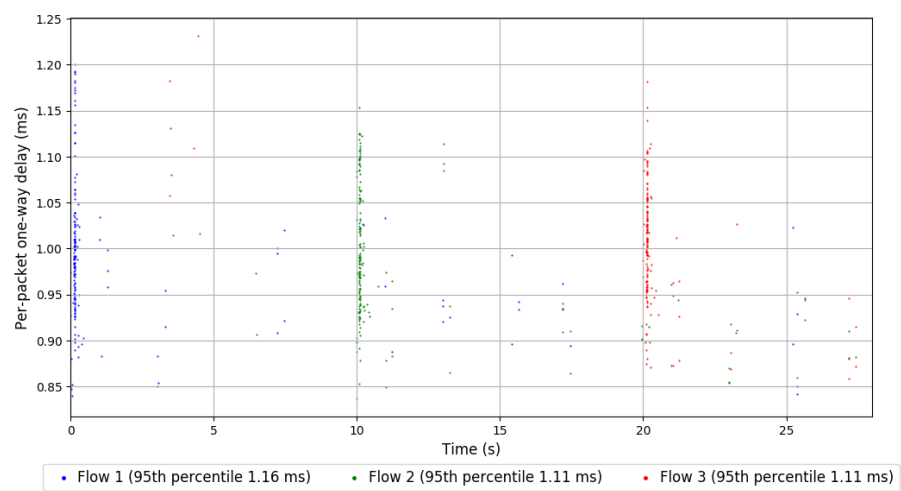
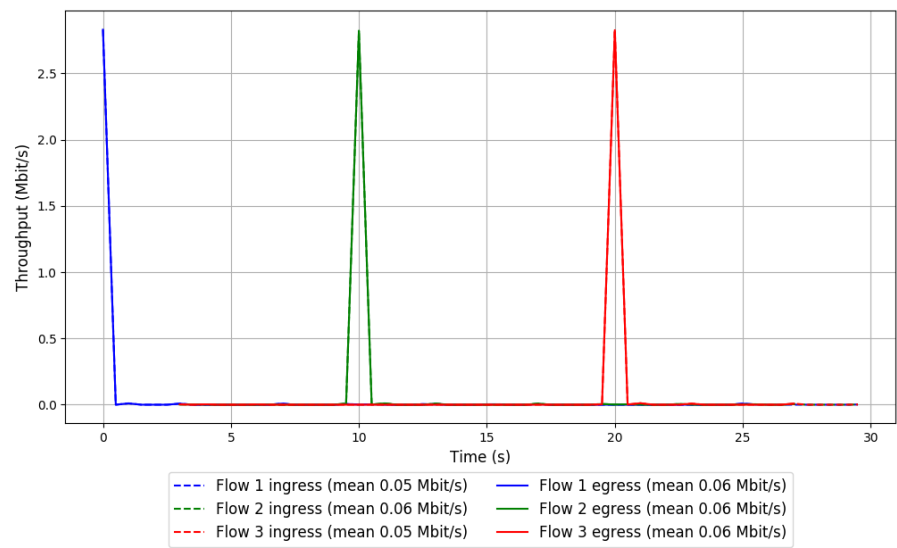


Run 4: Statistics of WebRTC media

Start at: 2018-02-16 12:09:08
End at: 2018-02-16 12:09:38
Local clock offset: 0.287 ms
Remote clock offset: -5.156 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.106 ms
Loss rate: 0.05%

Run 4: Report of WebRTC media — Data Link

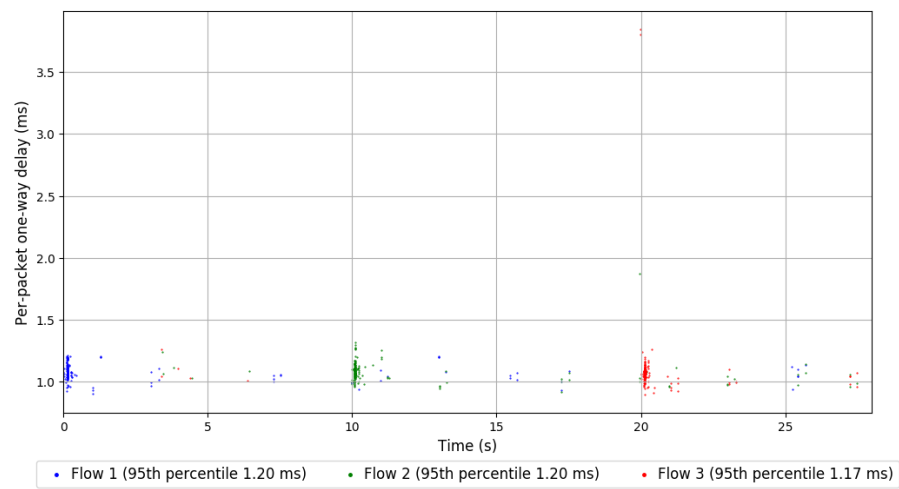
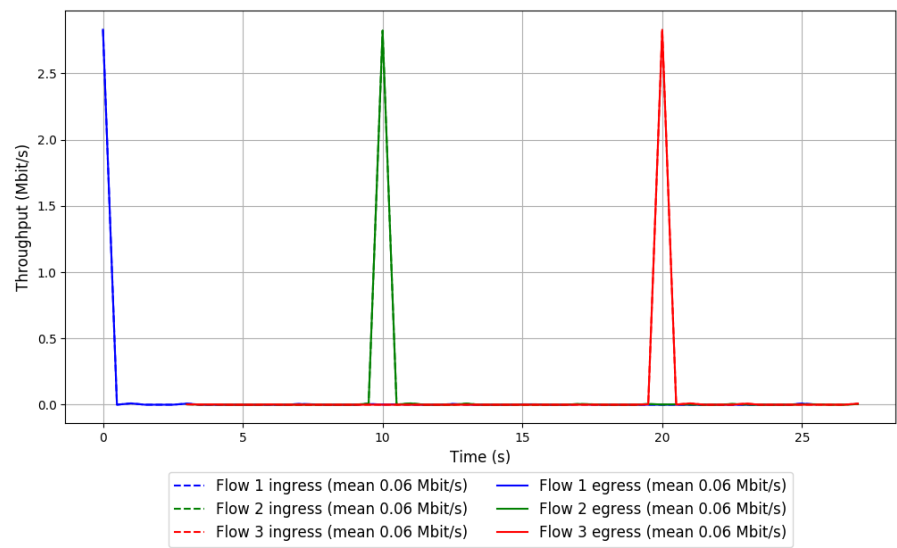


Run 5: Statistics of WebRTC media

Start at: 2018-02-16 12:36:11
End at: 2018-02-16 12:36:41
Local clock offset: 0.345 ms
Remote clock offset: -4.764 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

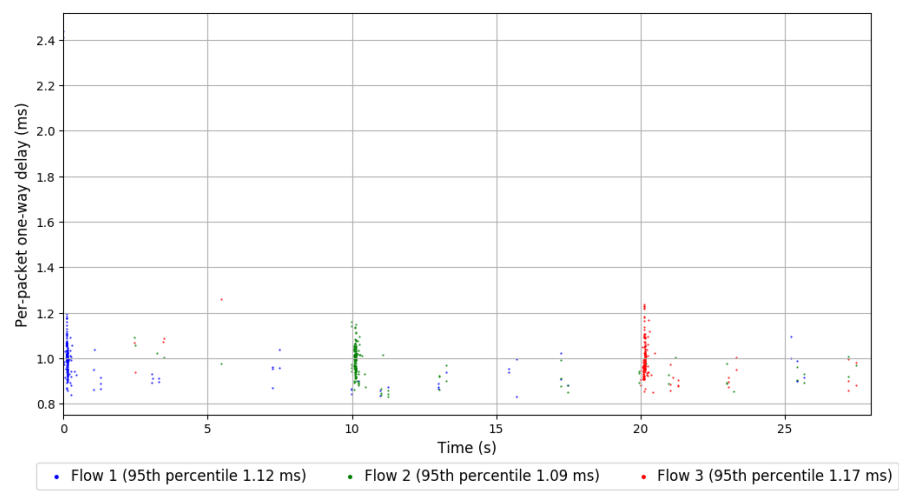
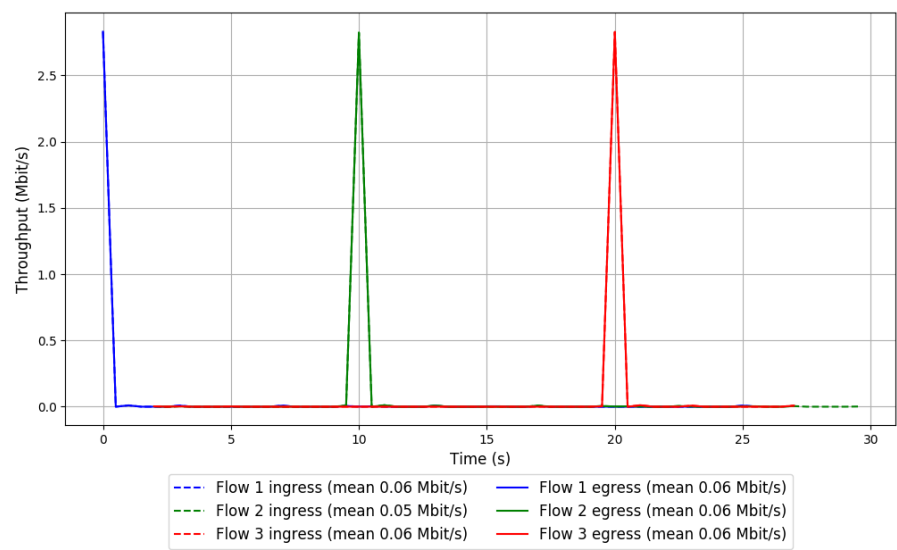


Run 6: Statistics of WebRTC media

Start at: 2018-02-16 13:02:56
End at: 2018-02-16 13:03:26
Local clock offset: 0.275 ms
Remote clock offset: -6.154 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.119 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

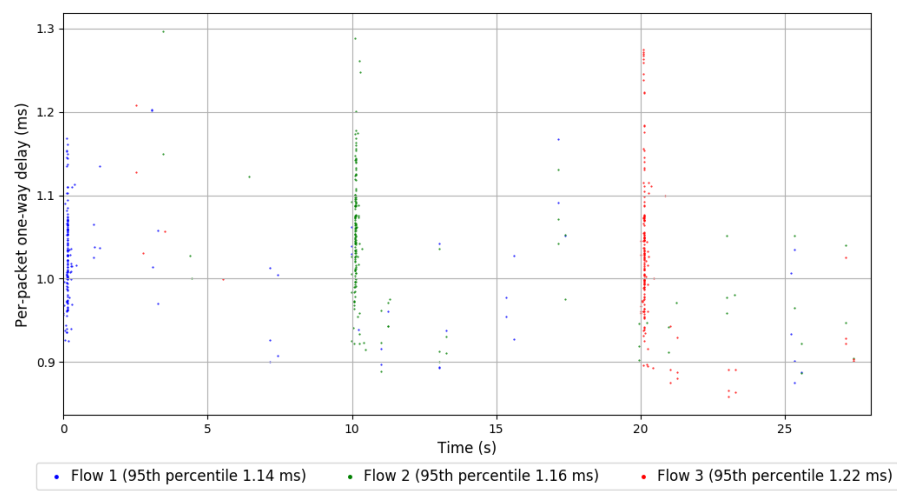
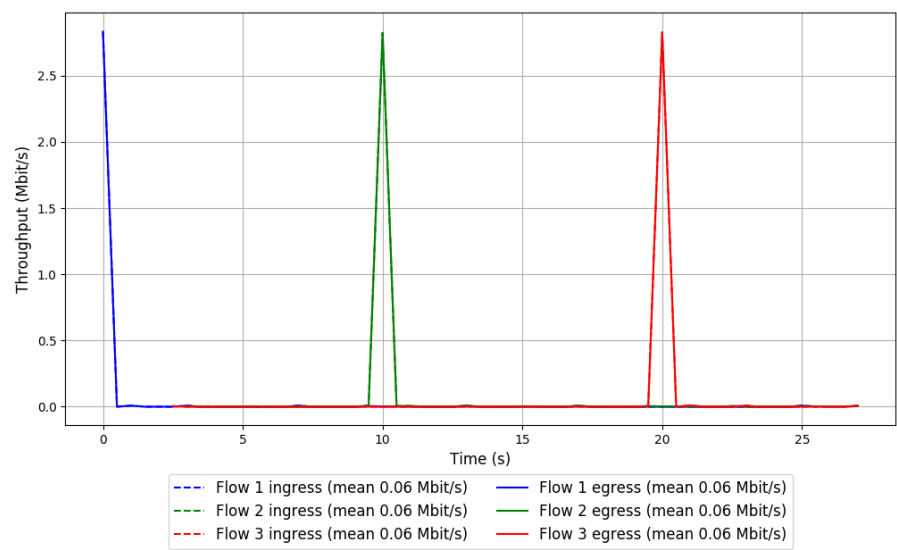


Run 7: Statistics of WebRTC media

Start at: 2018-02-16 13:29:31
End at: 2018-02-16 13:30:01
Local clock offset: 0.235 ms
Remote clock offset: -7.724 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

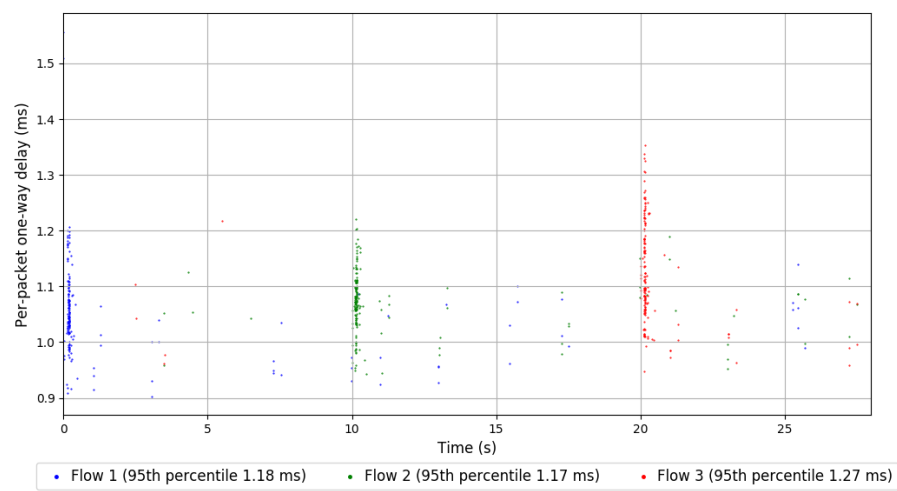
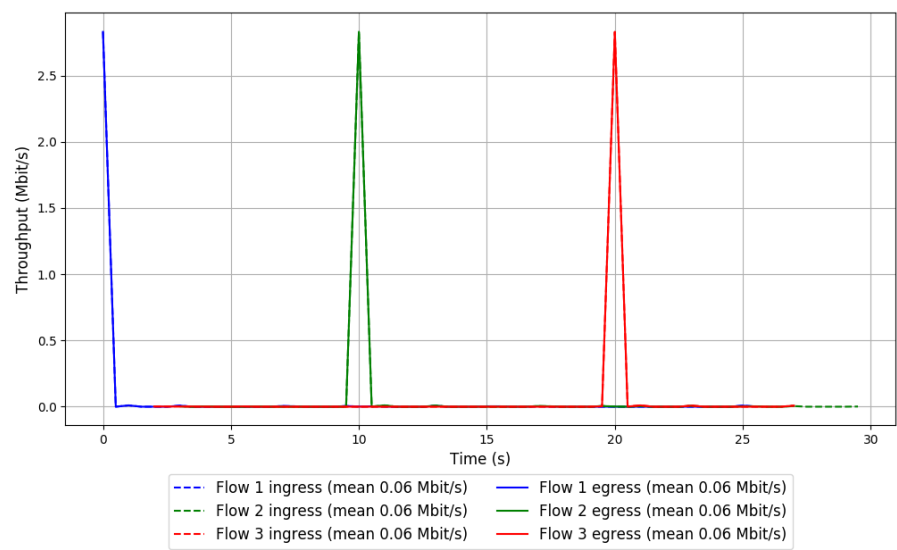


Run 8: Statistics of WebRTC media

Start at: 2018-02-16 13:56:28
End at: 2018-02-16 13:56:58
Local clock offset: 0.054 ms
Remote clock offset: -8.162 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

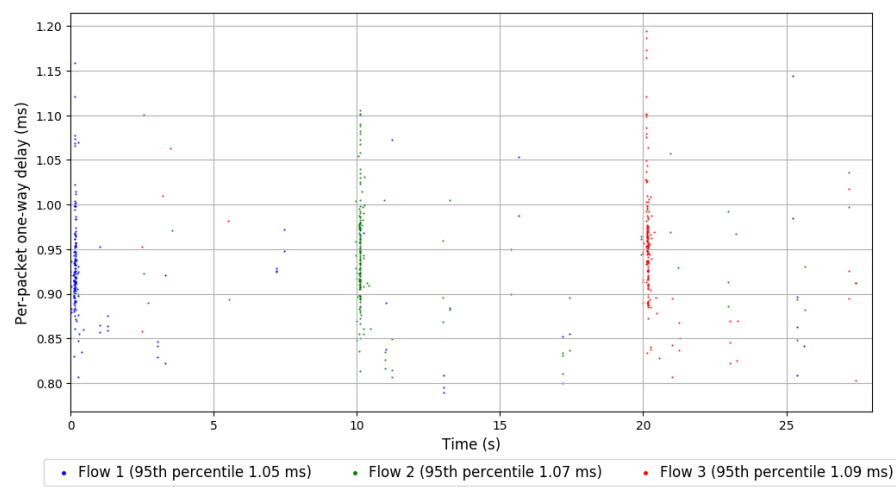
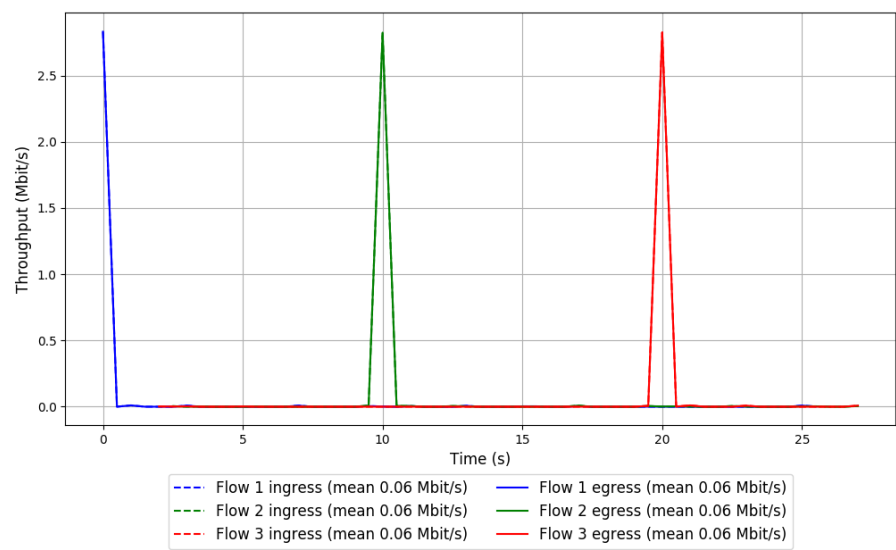


Run 9: Statistics of WebRTC media

Start at: 2018-02-16 14:23:36
End at: 2018-02-16 14:24:06
Local clock offset: 0.224 ms
Remote clock offset: -7.089 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

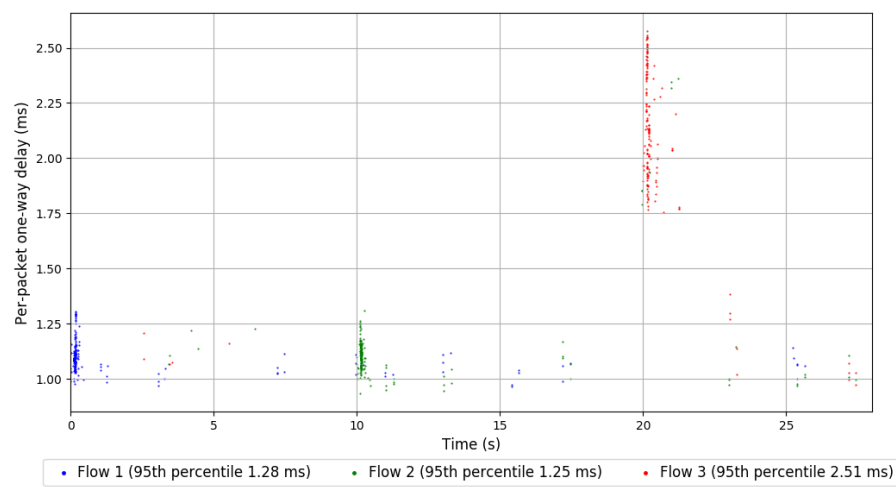
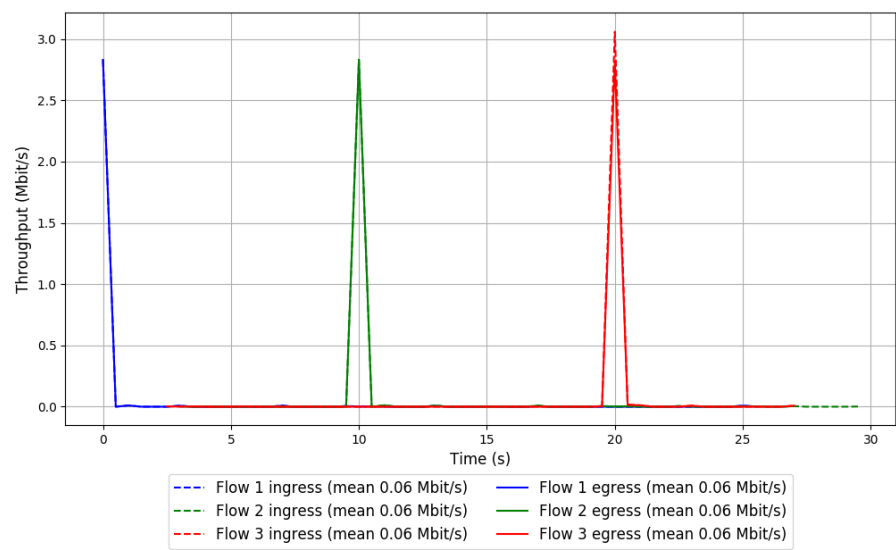


Run 10: Statistics of WebRTC media

Start at: 2018-02-16 14:50:20
End at: 2018-02-16 14:50:50
Local clock offset: 0.18 ms
Remote clock offset: -5.201 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 2.425 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 7.91%

Run 10: Report of WebRTC media — Data Link

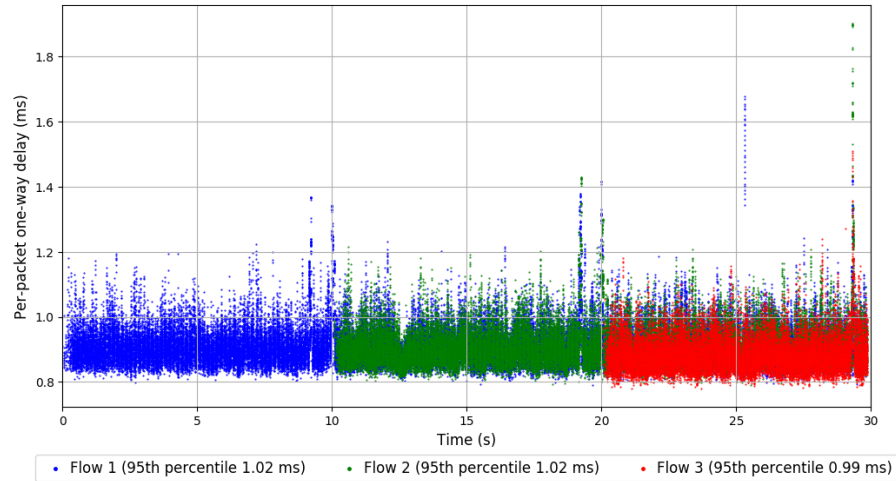
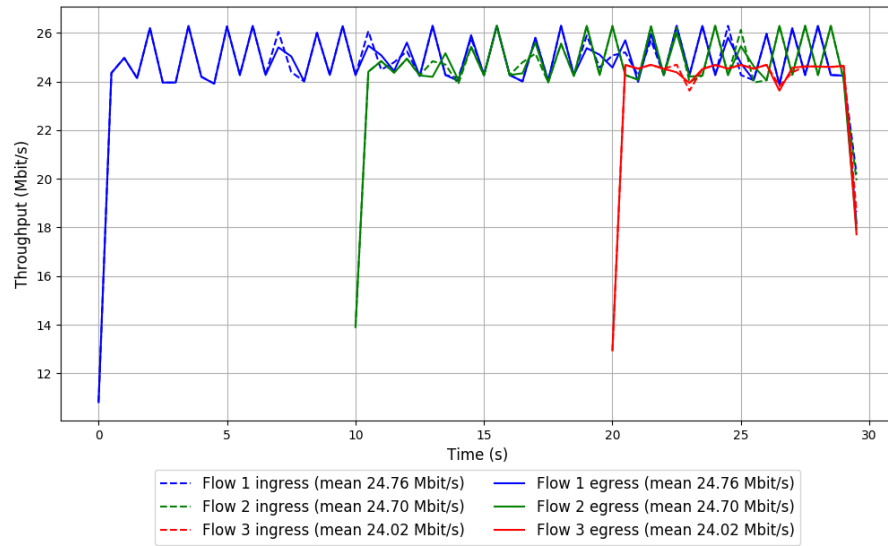


Run 1: Statistics of Sprout

Start at: 2018-02-16 10:49:51
End at: 2018-02-16 10:50:21
Local clock offset: 0.16 ms
Remote clock offset: -6.274 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 0.987 ms
Loss rate: 0.20%

Run 1: Report of Sprout — Data Link

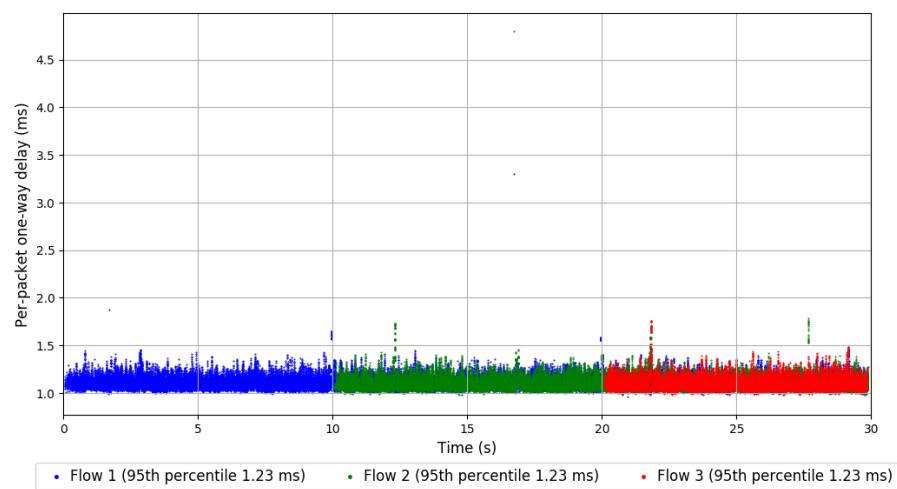
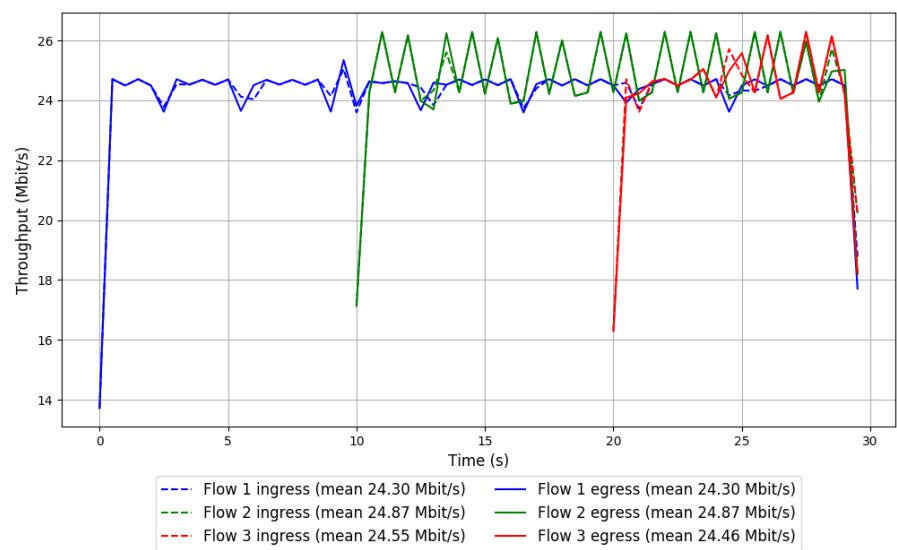


Run 2: Statistics of Sprout

Start at: 2018-02-16 11:16:38
End at: 2018-02-16 11:17:08
Local clock offset: 0.574 ms
Remote clock offset: -6.807 ms

```
# Below is generated by plot.py at 2018-02-16 20:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.83 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.41%
```

Run 2: Report of Sprout — Data Link

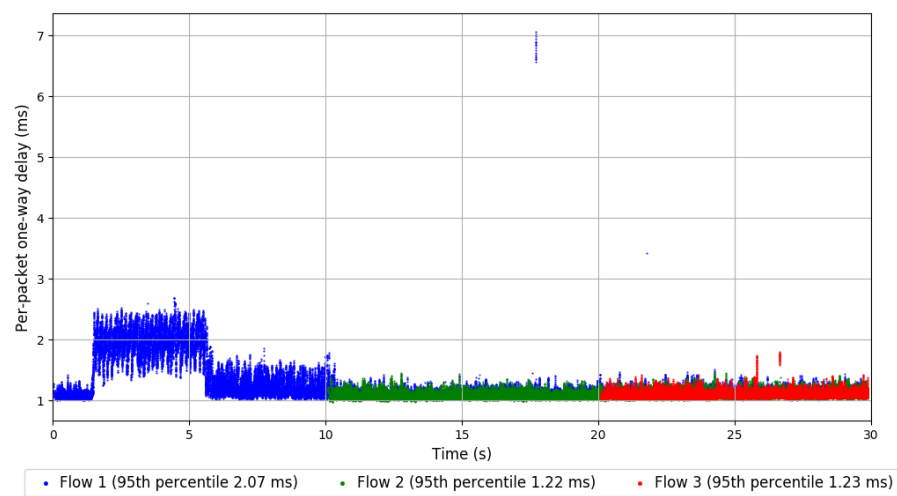
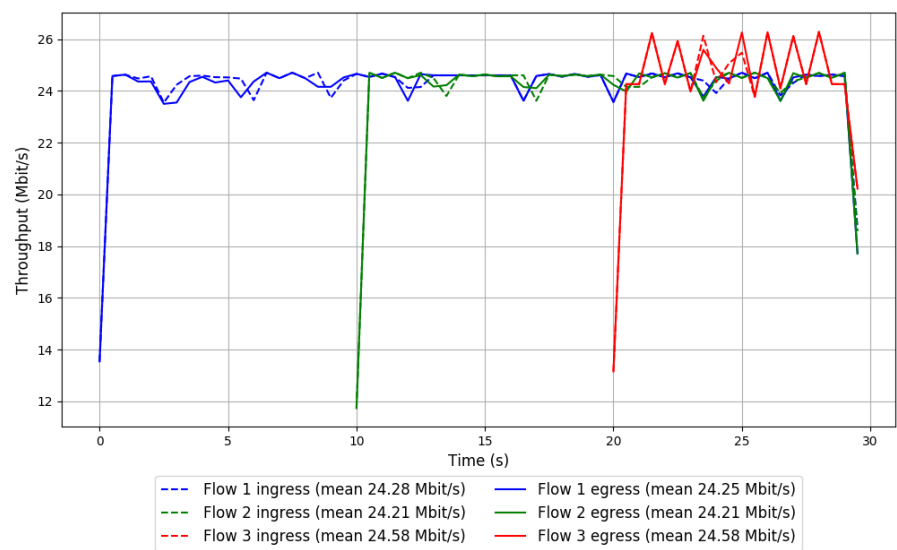


Run 3: Statistics of Sprout

Start at: 2018-02-16 11:43:23
End at: 2018-02-16 11:43:53
Local clock offset: 0.079 ms
Remote clock offset: -6.128 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.38 Mbit/s
95th percentile per-packet one-way delay: 1.836 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 2.072 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

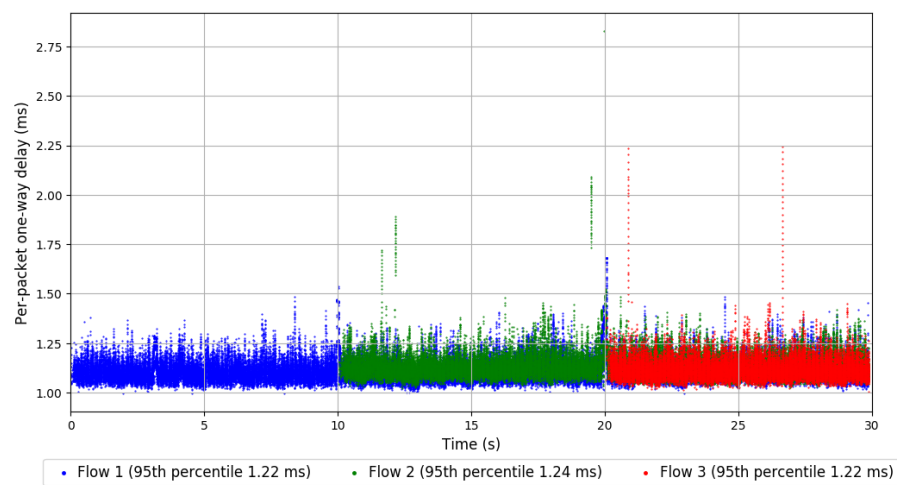
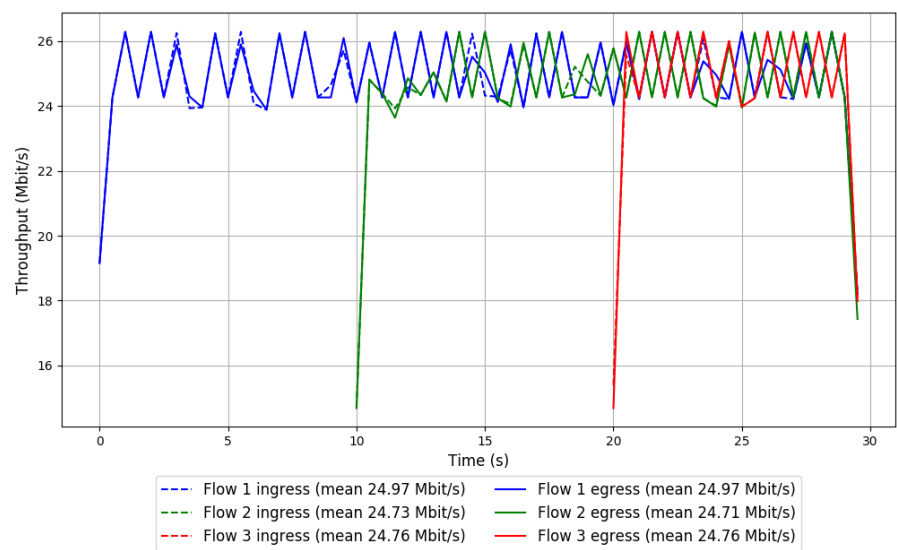


Run 4: Statistics of Sprout

Start at: 2018-02-16 12:10:19
End at: 2018-02-16 12:10:49
Local clock offset: 0.318 ms
Remote clock offset: -5.234 ms

```
# Below is generated by plot.py at 2018-02-16 20:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.53 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 1.215 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-02-16 12:37:22

End at: 2018-02-16 12:37:52

Local clock offset: 0.282 ms

Remote clock offset: -4.73 ms

Below is generated by plot.py at 2018-02-16 20:54:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 24.87 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.21 Mbit/s

95th percentile per-packet one-way delay: 1.103 ms

Loss rate: 0.11%

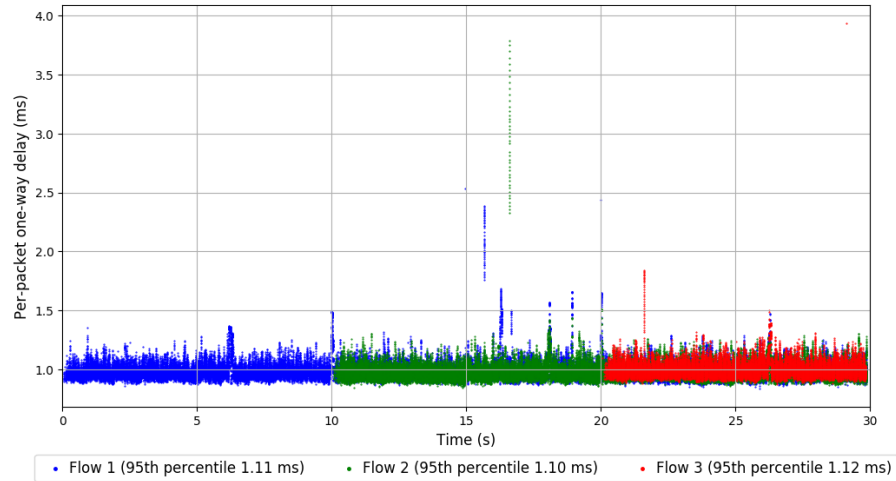
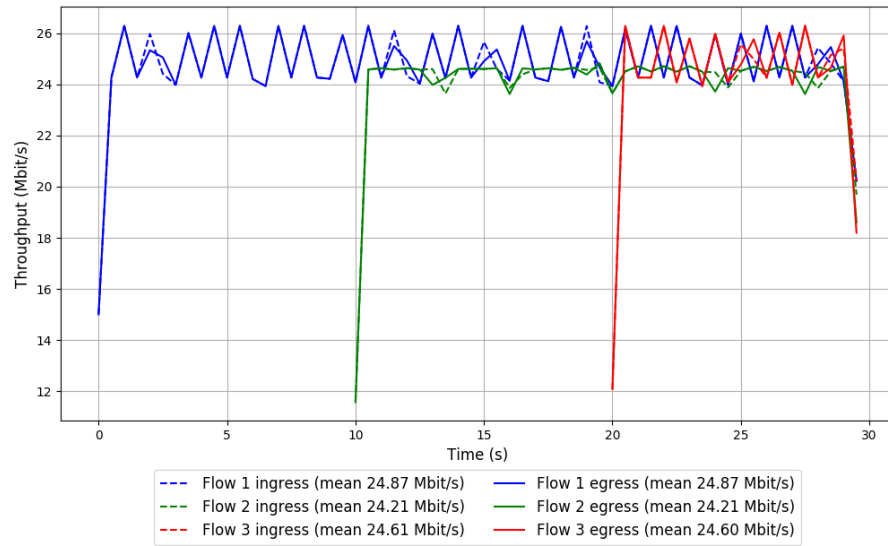
-- Flow 3:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 1.125 ms

Loss rate: 0.42%

Run 5: Report of Sprout — Data Link

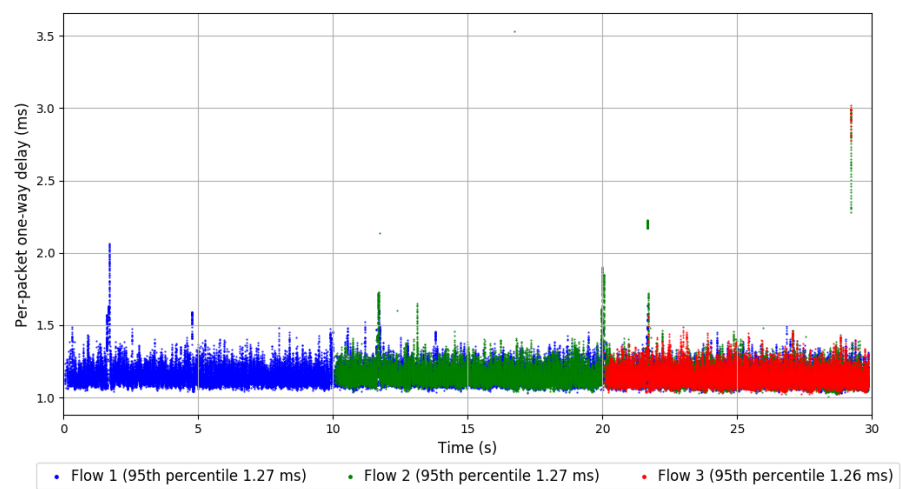
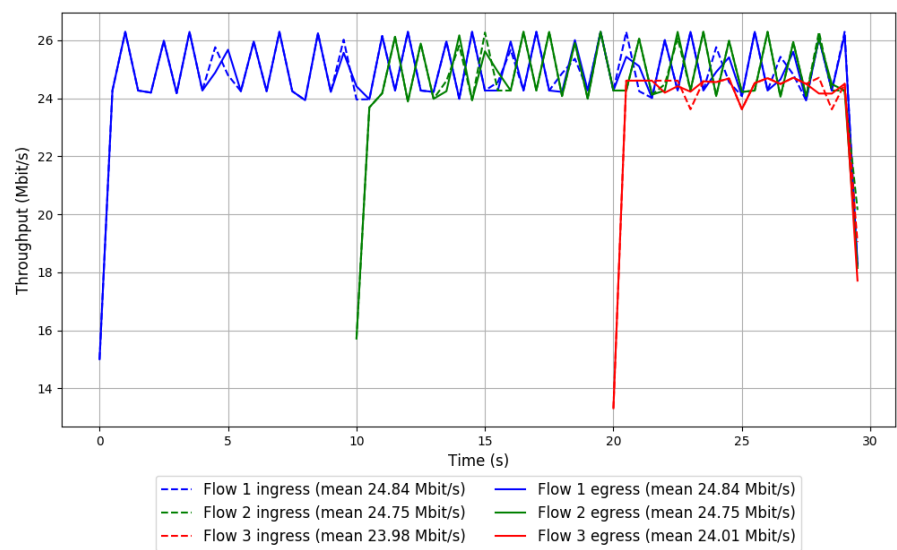


Run 6: Statistics of Sprout

Start at: 2018-02-16 13:04:06
End at: 2018-02-16 13:04:36
Local clock offset: 0.363 ms
Remote clock offset: -6.256 ms

```
# Below is generated by plot.py at 2018-02-16 20:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.28%
```

Run 6: Report of Sprout — Data Link

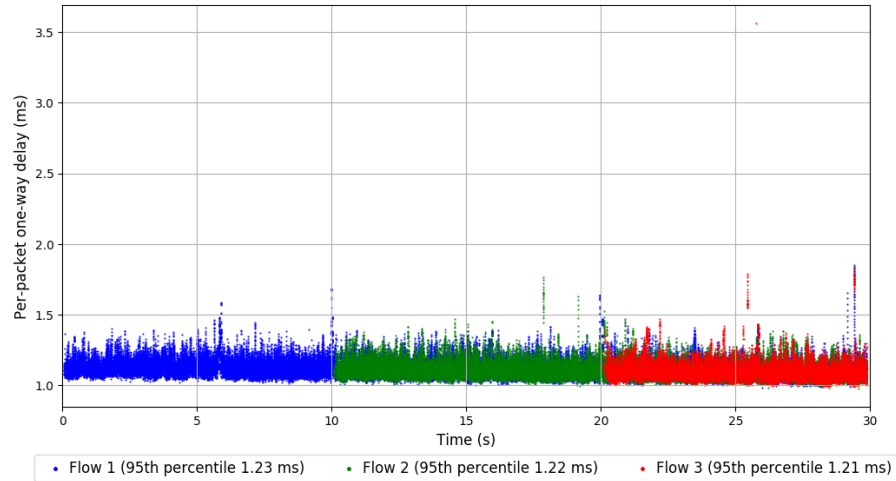
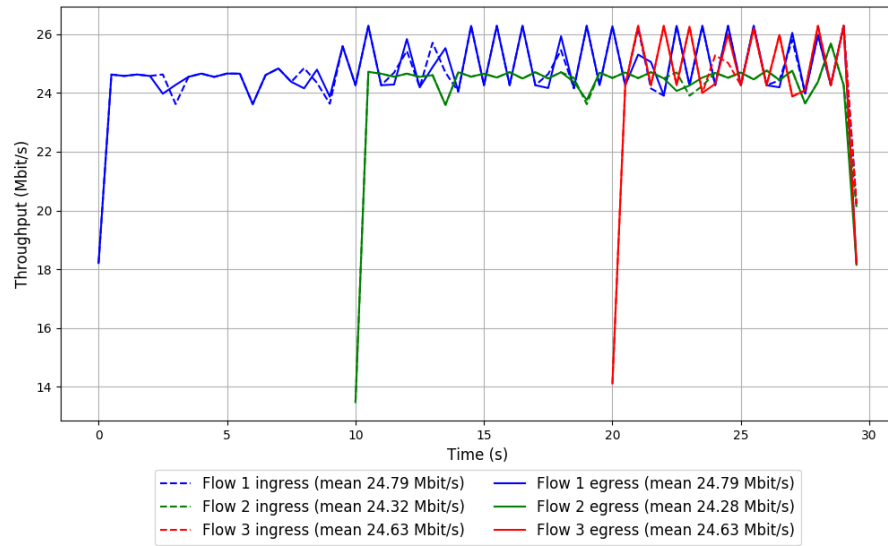


Run 7: Statistics of Sprout

Start at: 2018-02-16 13:30:42
End at: 2018-02-16 13:31:12
Local clock offset: 0.254 ms
Remote clock offset: -7.894 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 1.225 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.42%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-16 13:57:39

End at: 2018-02-16 13:58:09

Local clock offset: 0.024 ms

Remote clock offset: -7.99 ms

Below is generated by plot.py at 2018-02-16 20:54:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.40 Mbit/s

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

Loss rate: 0.20%

-- Flow 1:

Average throughput: 24.92 Mbit/s

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

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 1.147 ms

Loss rate: 0.21%

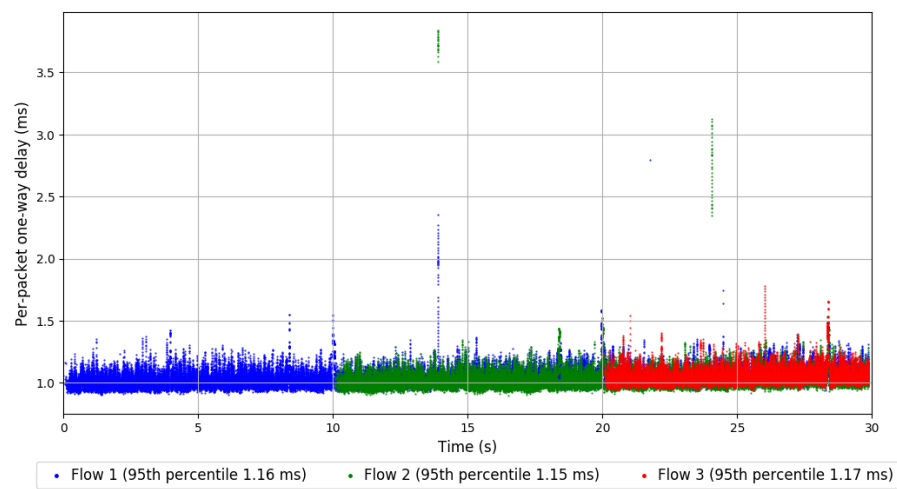
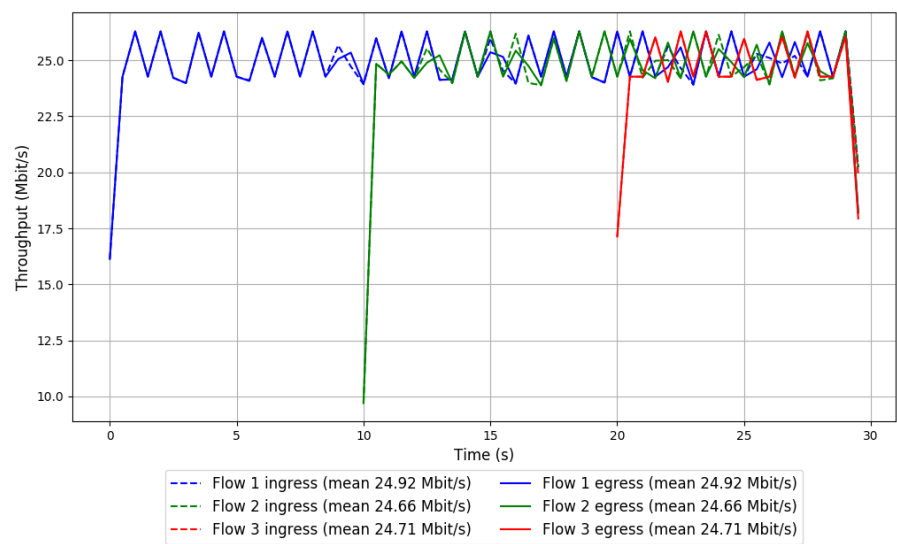
-- Flow 3:

Average throughput: 24.71 Mbit/s

95th percentile per-packet one-way delay: 1.172 ms

Loss rate: 0.41%

Run 8: Report of Sprout — Data Link

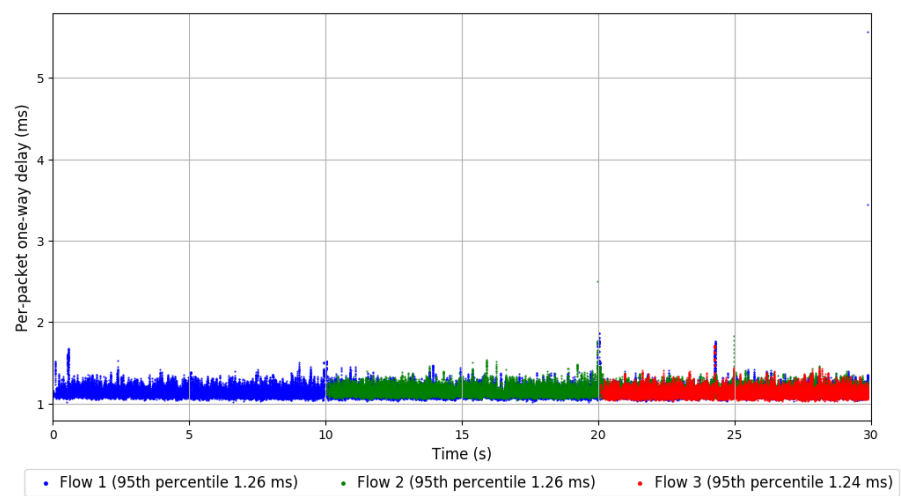
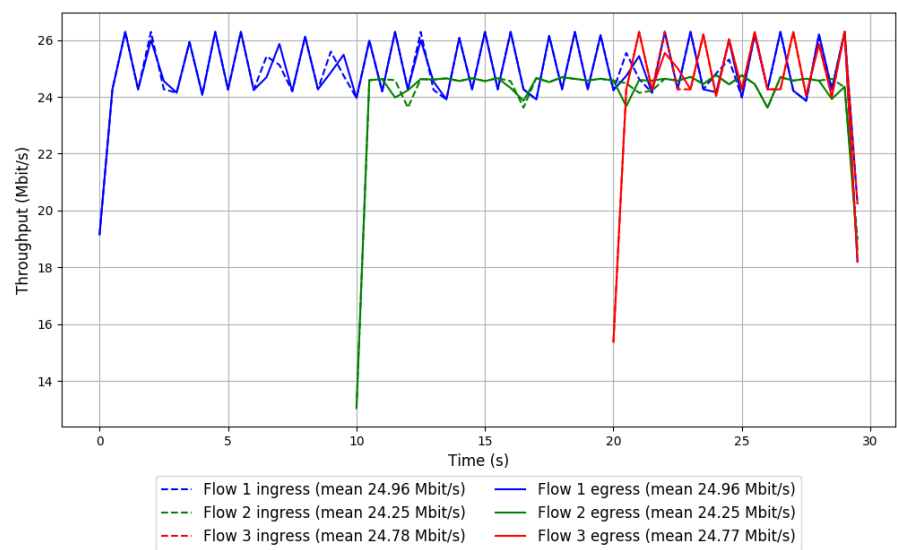


Run 9: Statistics of Sprout

Start at: 2018-02-16 14:24:47
End at: 2018-02-16 14:25:17
Local clock offset: 0.321 ms
Remote clock offset: -7.188 ms

```
# Below is generated by plot.py at 2018-02-16 20:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.42%
```

Run 9: Report of Sprout — Data Link

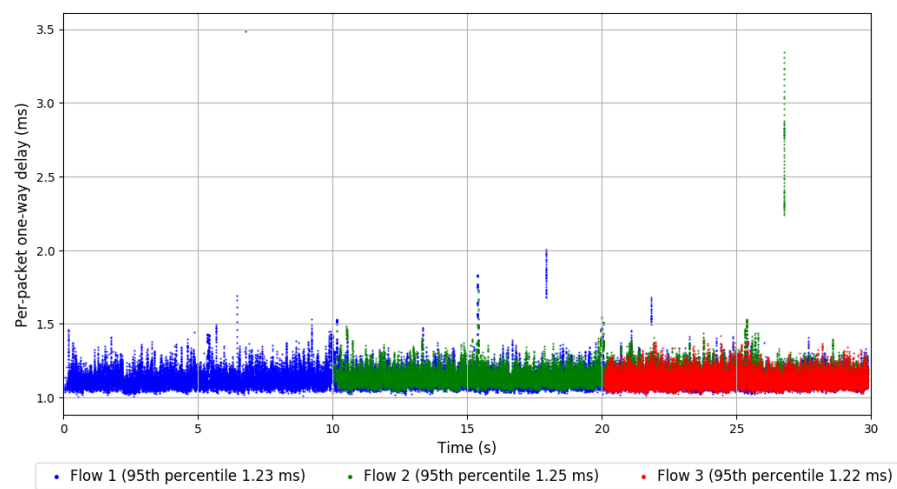
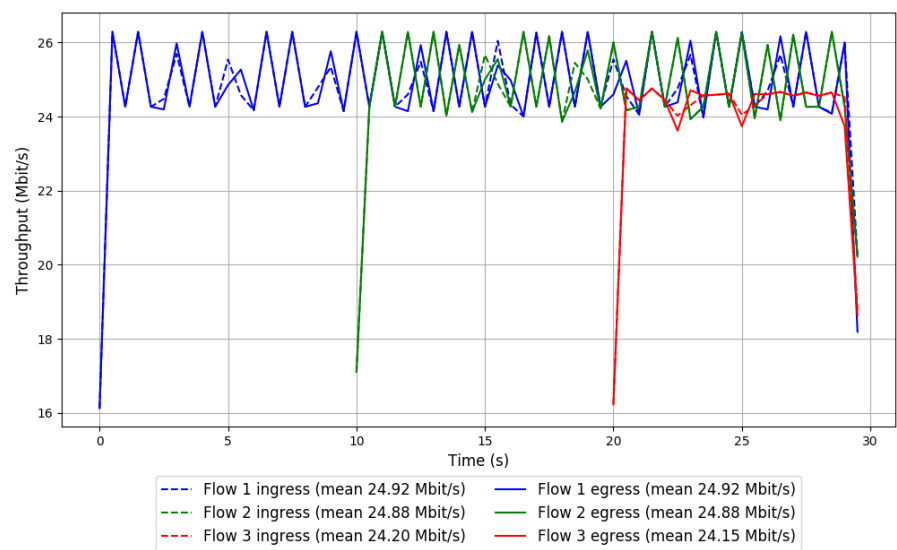


Run 10: Statistics of Sprout

Start at: 2018-02-16 14:51:31
End at: 2018-02-16 14:52:01
Local clock offset: 0.171 ms
Remote clock offset: -5.184 ms

Below is generated by plot.py at 2018-02-16 20:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.20%

Run 10: Report of Sprout — Data Link

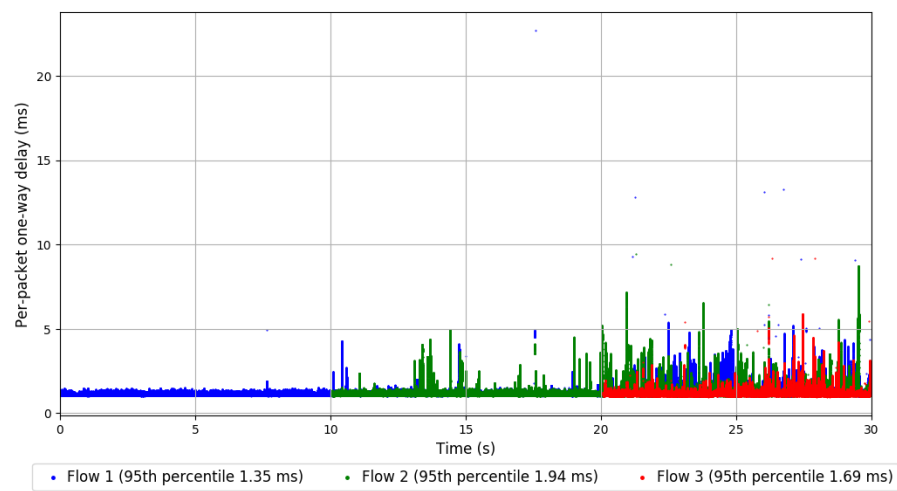
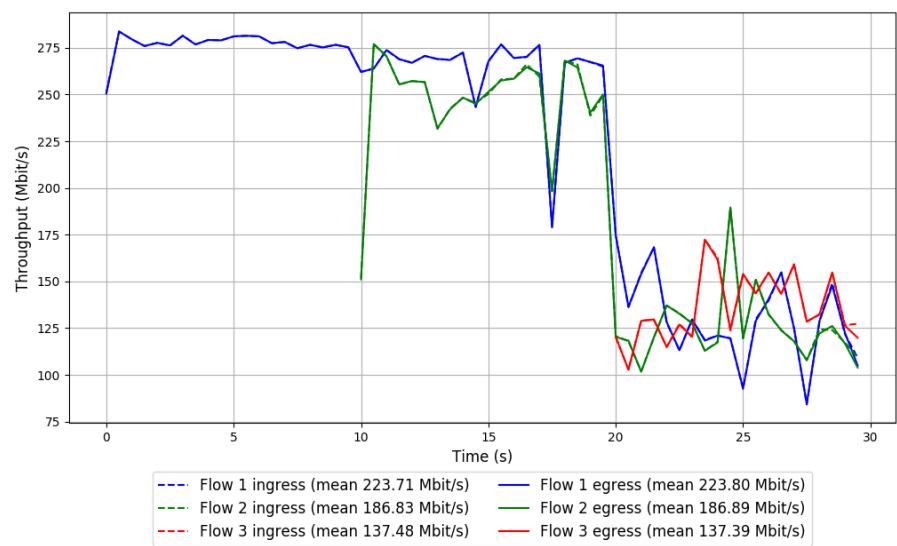


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-16 10:51:02
End at: 2018-02-16 10:51:32
Local clock offset: 0.305 ms
Remote clock offset: -6.39 ms

# Below is generated by plot.py at 2018-02-16 20:59:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 393.61 Mbit/s
95th percentile per-packet one-way delay: 1.540 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 223.80 Mbit/s
95th percentile per-packet one-way delay: 1.349 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 186.89 Mbit/s
95th percentile per-packet one-way delay: 1.944 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 137.39 Mbit/s
95th percentile per-packet one-way delay: 1.685 ms
Loss rate: 0.29%
```

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

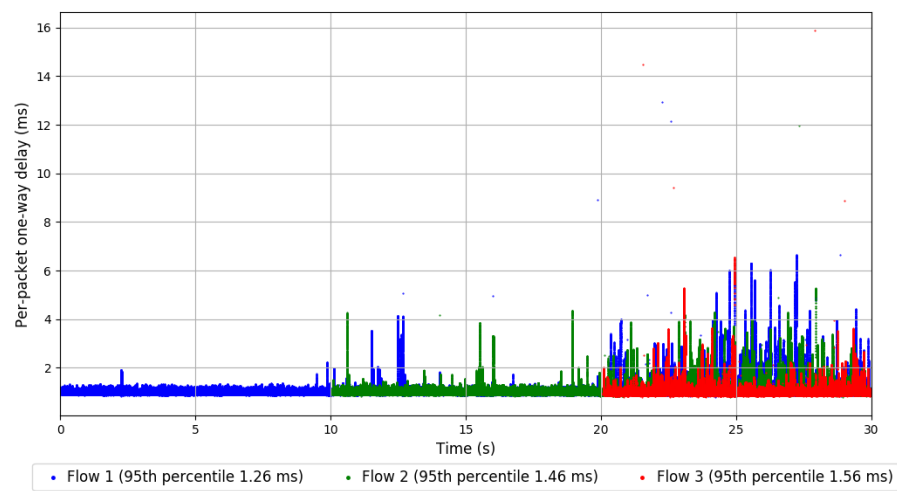
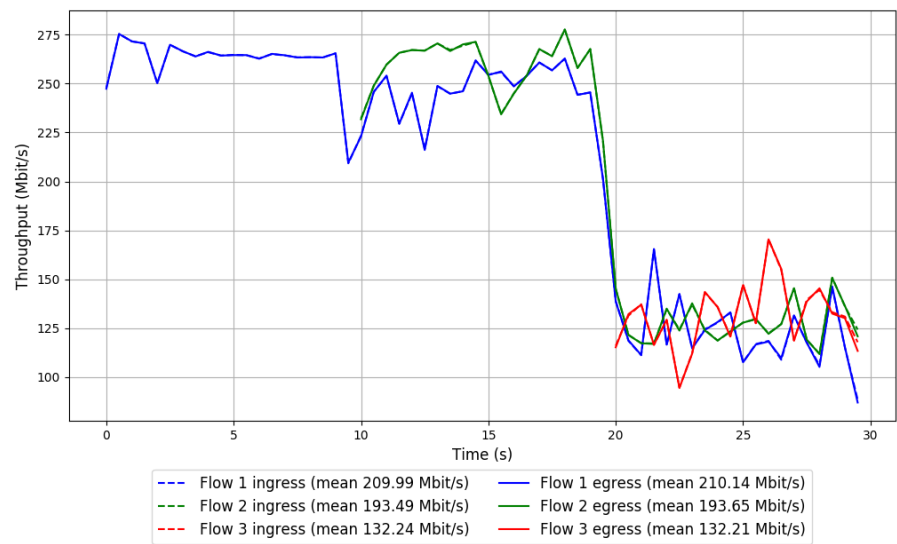


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-16 11:17:50
End at: 2018-02-16 11:18:20
Local clock offset: 0.515 ms
Remote clock offset: -6.789 ms

Below is generated by plot.py at 2018-02-16 20:59:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.62 Mbit/s
95th percentile per-packet one-way delay: 1.378 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 210.14 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 193.65 Mbit/s
95th percentile per-packet one-way delay: 1.464 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 132.21 Mbit/s
95th percentile per-packet one-way delay: 1.559 ms
Loss rate: 0.23%

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

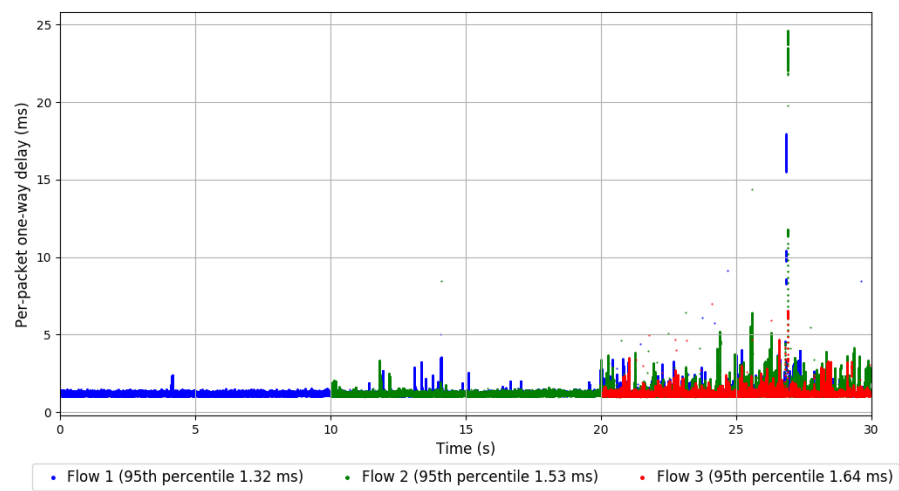
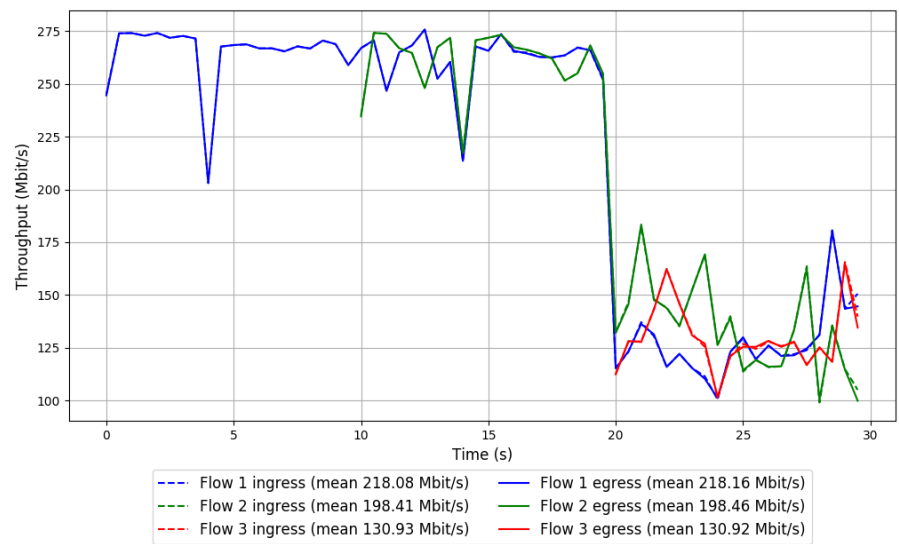


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-16 11:44:35
End at: 2018-02-16 11:45:05
Local clock offset: 0.074 ms
Remote clock offset: -6.108 ms

Below is generated by plot.py at 2018-02-16 20:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 393.56 Mbit/s
95th percentile per-packet one-way delay: 1.412 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 218.16 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 198.46 Mbit/s
95th percentile per-packet one-way delay: 1.530 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 130.92 Mbit/s
95th percentile per-packet one-way delay: 1.635 ms
Loss rate: 0.24%

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

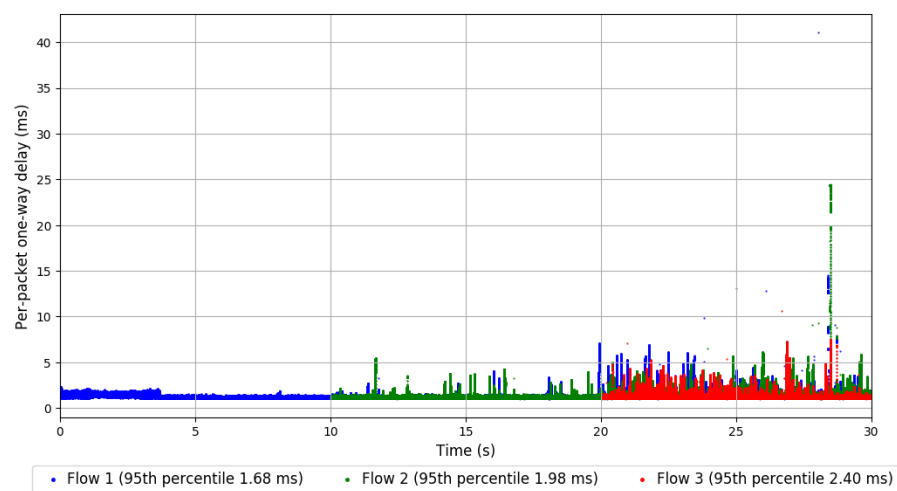
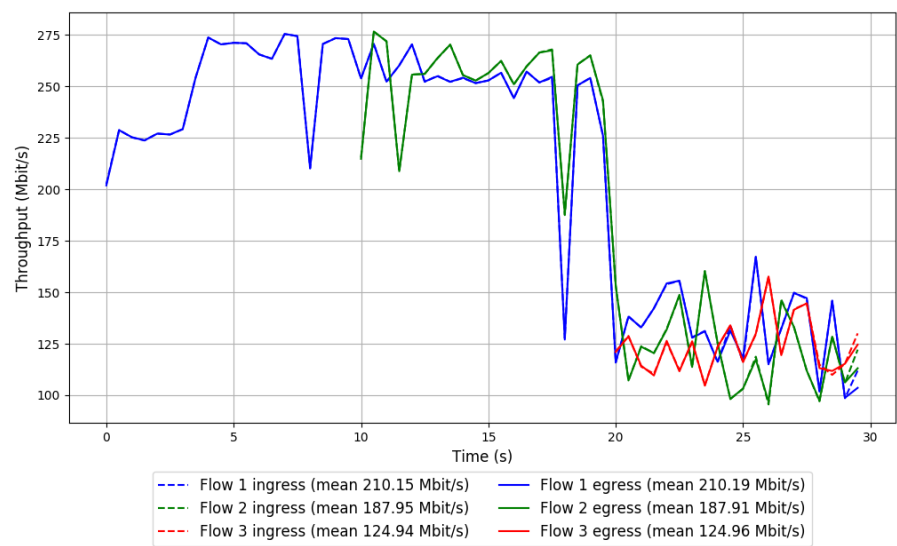


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-16 12:11:31
End at: 2018-02-16 12:12:01
Local clock offset: 0.321 ms
Remote clock offset: -5.256 ms

Below is generated by plot.py at 2018-02-16 20:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.43 Mbit/s
95th percentile per-packet one-way delay: 1.799 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 210.19 Mbit/s
95th percentile per-packet one-way delay: 1.676 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 187.91 Mbit/s
95th percentile per-packet one-way delay: 1.977 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 124.96 Mbit/s
95th percentile per-packet one-way delay: 2.405 ms
Loss rate: 0.22%

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

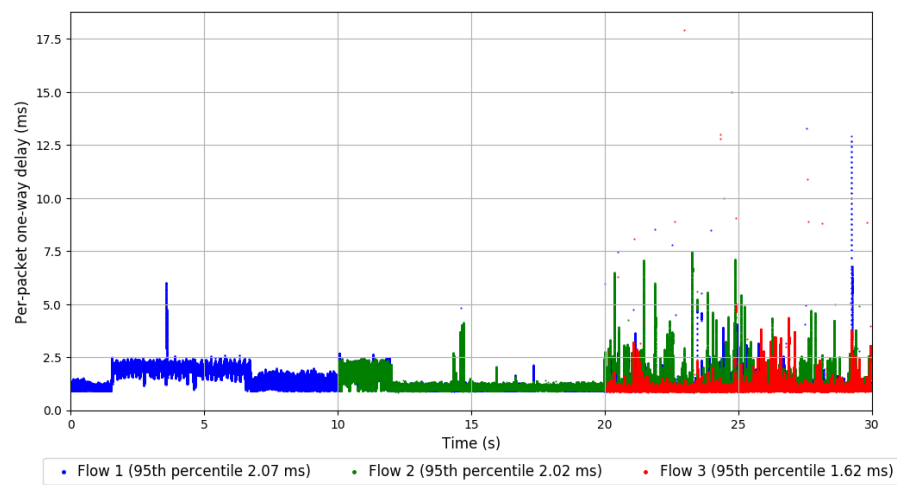
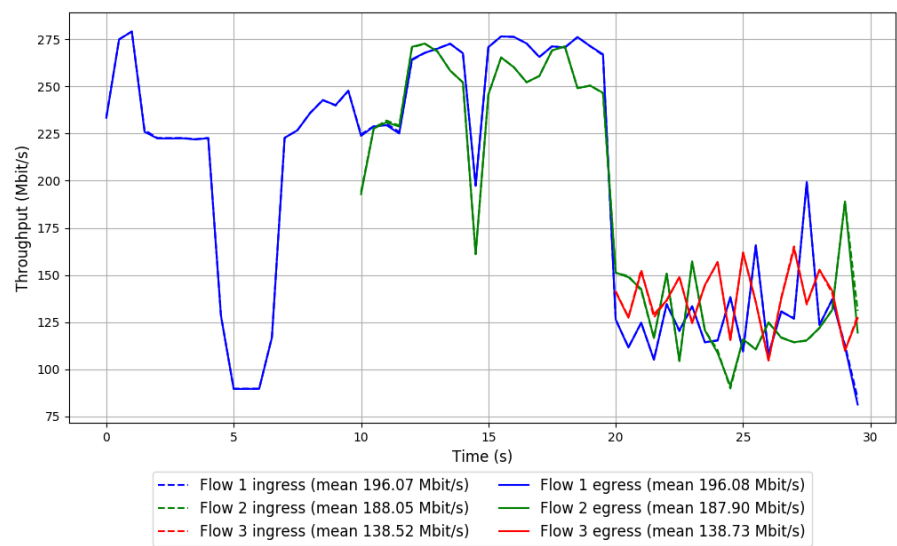


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-16 12:38:34
End at: 2018-02-16 12:39:04
Local clock offset: 0.259 ms
Remote clock offset: -4.784 ms

Below is generated by plot.py at 2018-02-16 20:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.92 Mbit/s
95th percentile per-packet one-way delay: 2.053 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 196.08 Mbit/s
95th percentile per-packet one-way delay: 2.073 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 187.90 Mbit/s
95th percentile per-packet one-way delay: 2.024 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 138.73 Mbit/s
95th percentile per-packet one-way delay: 1.618 ms
Loss rate: 0.05%

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

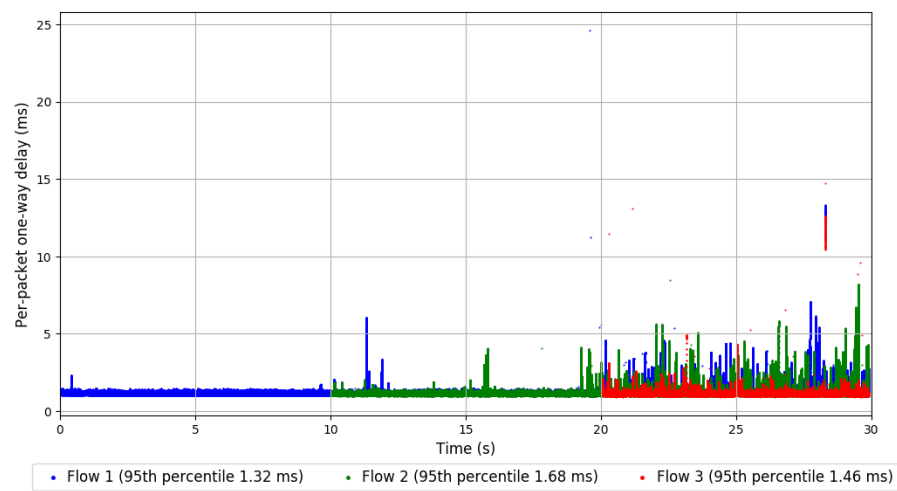
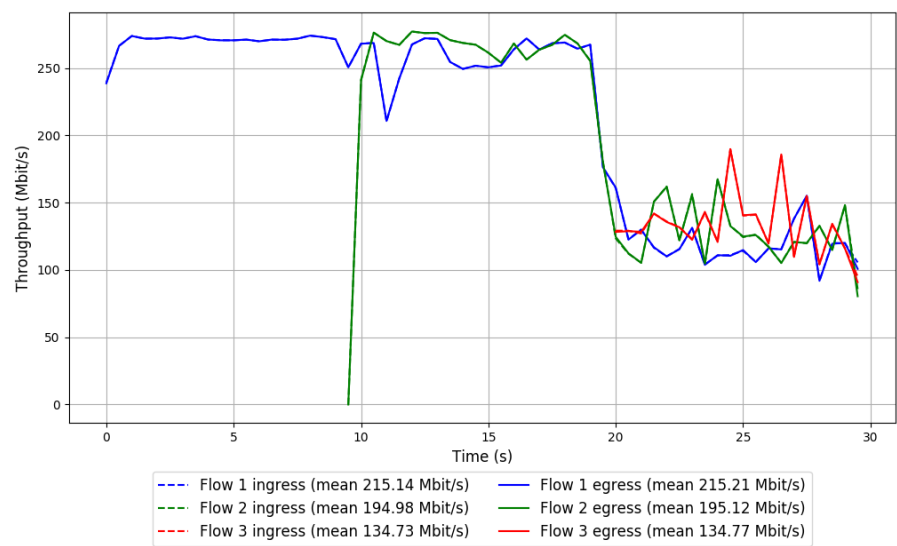


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-16 13:05:18
End at: 2018-02-16 13:05:48
Local clock offset: 0.327 ms
Remote clock offset: -6.303 ms

Below is generated by plot.py at 2018-02-16 20:59:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.64 Mbit/s
95th percentile per-packet one-way delay: 1.408 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 215.21 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 195.12 Mbit/s
95th percentile per-packet one-way delay: 1.678 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 134.77 Mbit/s
95th percentile per-packet one-way delay: 1.457 ms
Loss rate: 0.16%

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

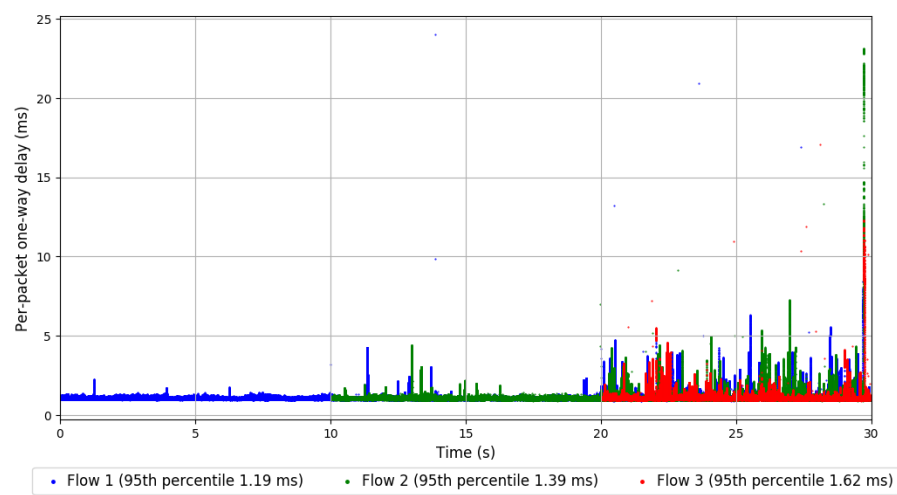
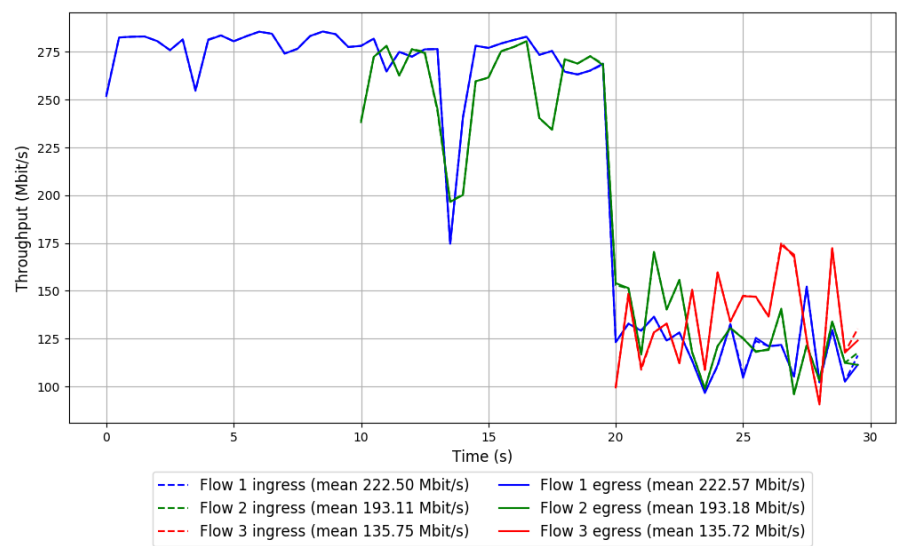


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-16 13:31:53
End at: 2018-02-16 13:32:23
Local clock offset: 0.243 ms
Remote clock offset: -7.935 ms

Below is generated by plot.py at 2018-02-16 21:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.90 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 222.57 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 193.18 Mbit/s
95th percentile per-packet one-way delay: 1.386 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 135.72 Mbit/s
95th percentile per-packet one-way delay: 1.621 ms
Loss rate: 0.24%

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

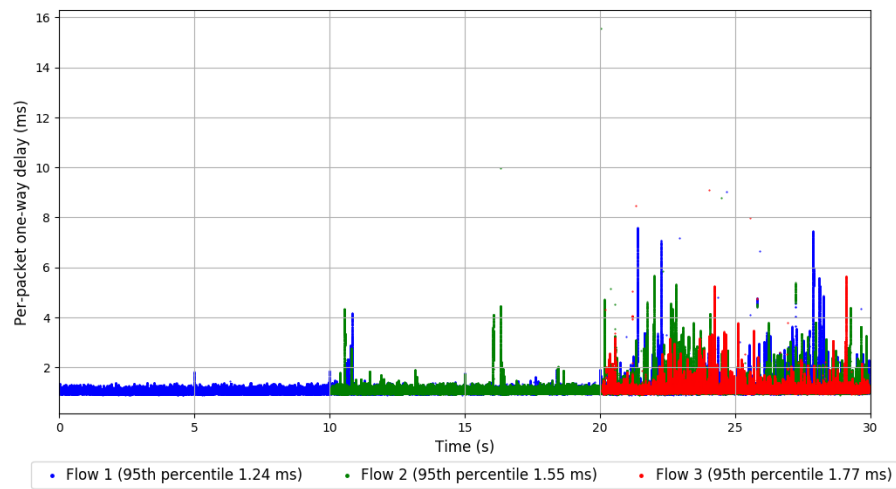
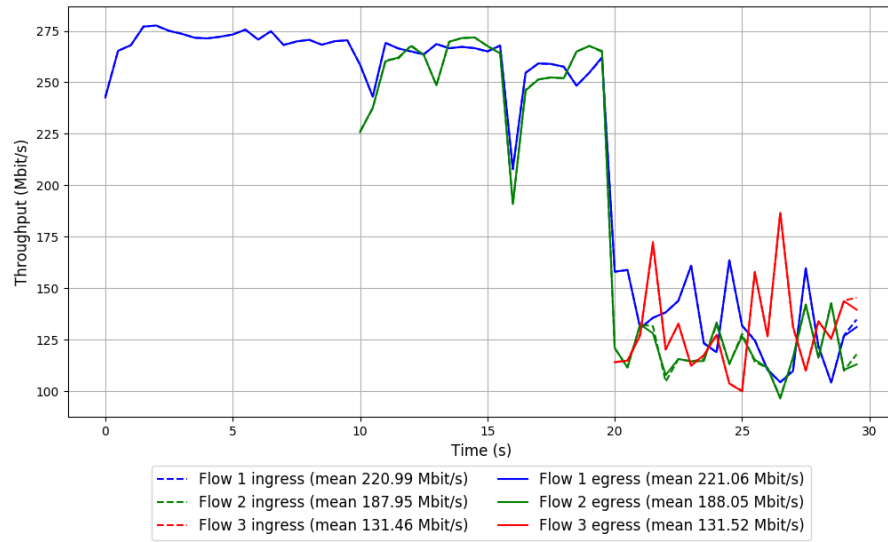


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-16 13:58:51
End at: 2018-02-16 13:59:21
Local clock offset: 0.12 ms
Remote clock offset: -7.807 ms

Below is generated by plot.py at 2018-02-16 21:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.48 Mbit/s
95th percentile per-packet one-way delay: 1.396 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 221.06 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 188.05 Mbit/s
95th percentile per-packet one-way delay: 1.549 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 131.52 Mbit/s
95th percentile per-packet one-way delay: 1.769 ms
Loss rate: 0.25%

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

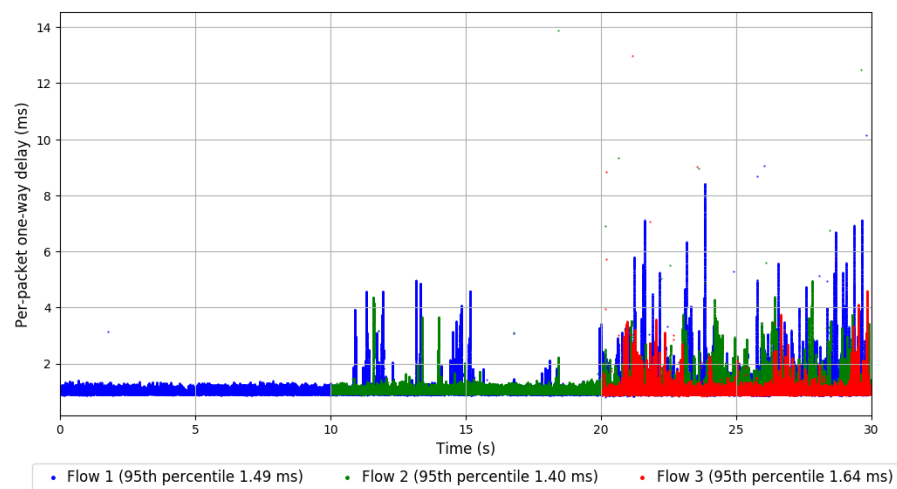
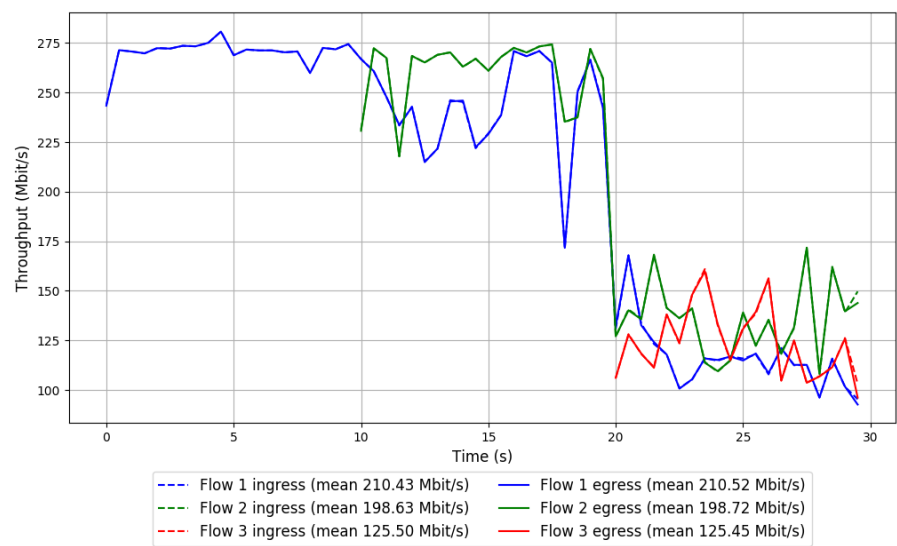


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-16 14:25:58
End at: 2018-02-16 14:26:28
Local clock offset: 0.205 ms
Remote clock offset: -7.193 ms

Below is generated by plot.py at 2018-02-16 21:09:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.13 Mbit/s
95th percentile per-packet one-way delay: 1.473 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 210.52 Mbit/s
95th percentile per-packet one-way delay: 1.487 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 198.72 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 125.45 Mbit/s
95th percentile per-packet one-way delay: 1.643 ms
Loss rate: 0.30%

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

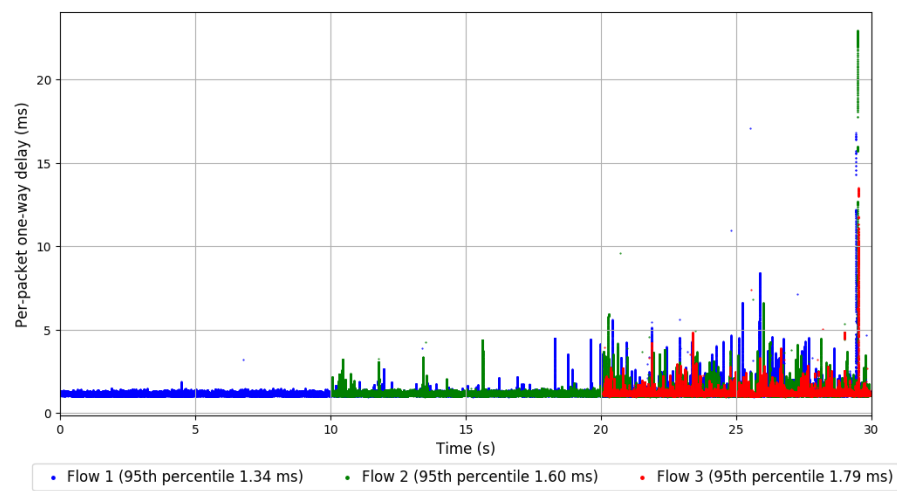
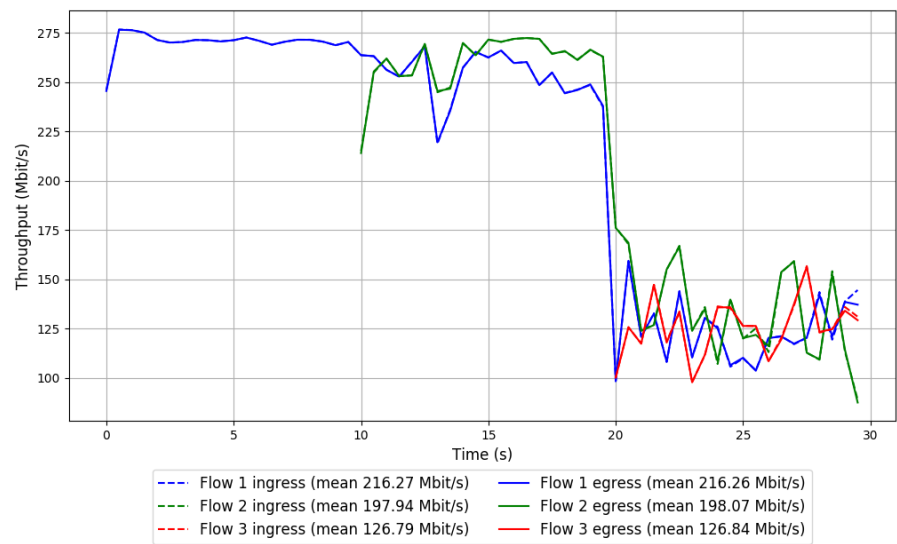


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-16 14:52:43
End at: 2018-02-16 14:53:13
Local clock offset: 0.132 ms
Remote clock offset: -5.196 ms

Below is generated by plot.py at 2018-02-16 21:09:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.92 Mbit/s
95th percentile per-packet one-way delay: 1.492 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 216.26 Mbit/s
95th percentile per-packet one-way delay: 1.344 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 198.07 Mbit/s
95th percentile per-packet one-way delay: 1.598 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 126.84 Mbit/s
95th percentile per-packet one-way delay: 1.789 ms
Loss rate: 0.15%

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

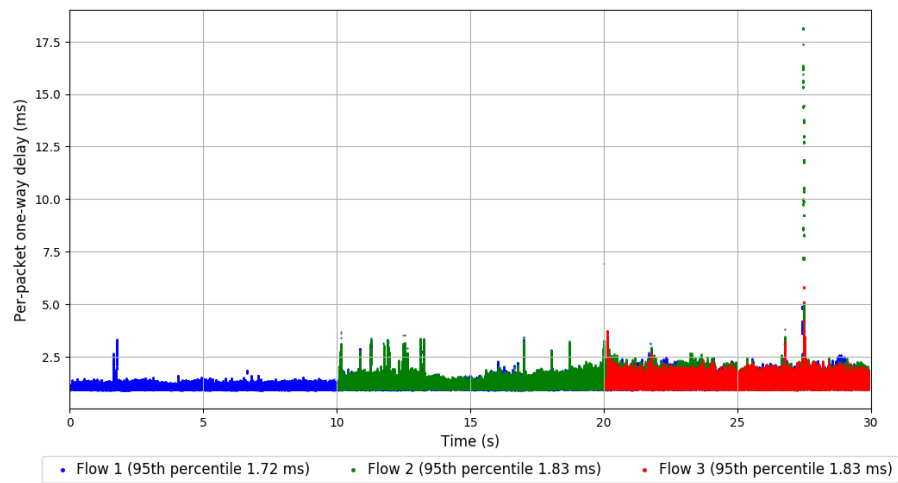
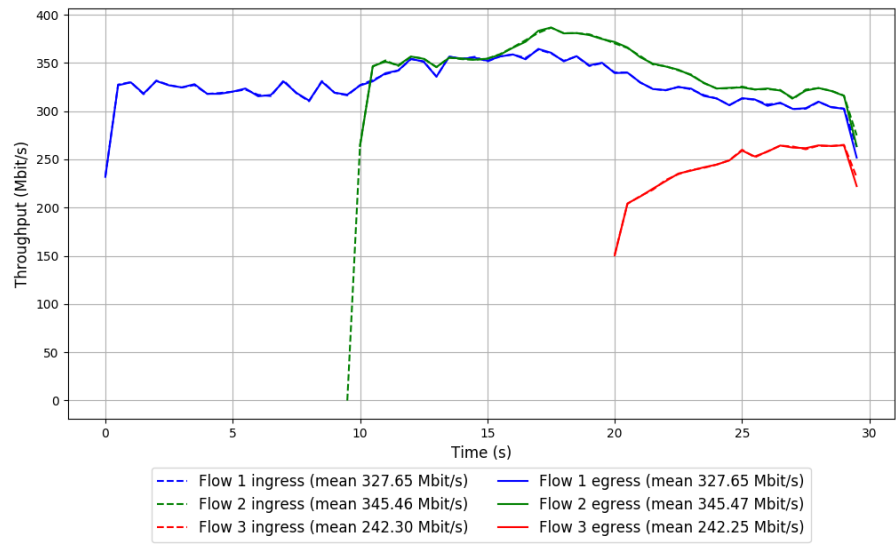


Run 1: Statistics of TCP Vegas

Start at: 2018-02-16 10:36:10
End at: 2018-02-16 10:36:40
Local clock offset: 0.11 ms
Remote clock offset: -6.544 ms

Below is generated by plot.py at 2018-02-16 21:09:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 637.79 Mbit/s
95th percentile per-packet one-way delay: 1.783 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 327.65 Mbit/s
95th percentile per-packet one-way delay: 1.720 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 345.47 Mbit/s
95th percentile per-packet one-way delay: 1.830 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 242.25 Mbit/s
95th percentile per-packet one-way delay: 1.833 ms
Loss rate: 0.21%

Run 1: Report of TCP Vegas — Data Link

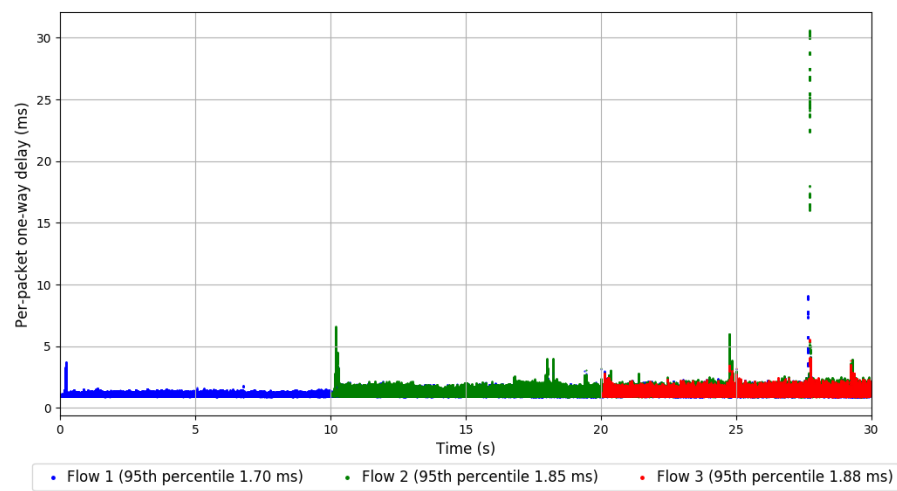
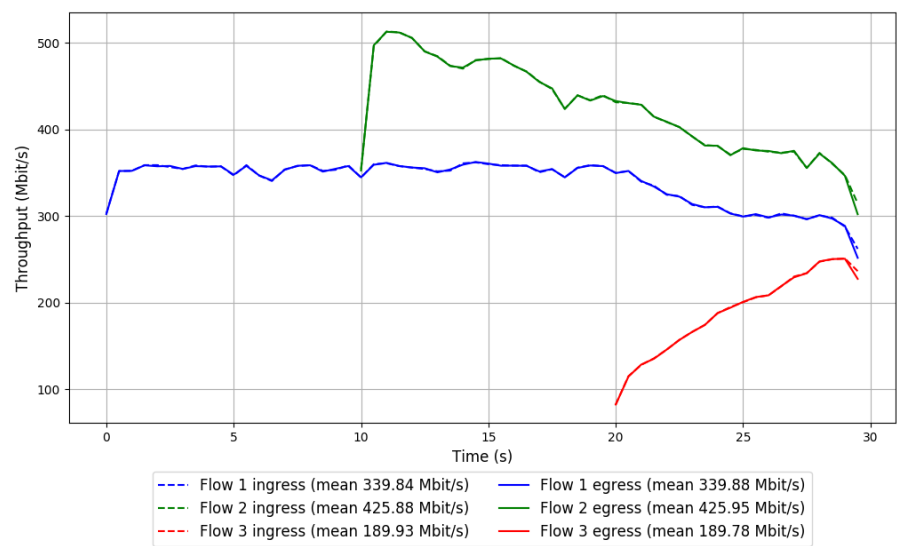


Run 2: Statistics of TCP Vegas

Start at: 2018-02-16 11:02:51
End at: 2018-02-16 11:03:21
Local clock offset: 0.483 ms
Remote clock offset: -6.164 ms

Below is generated by plot.py at 2018-02-16 21:09:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 686.23 Mbit/s
95th percentile per-packet one-way delay: 1.786 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 339.88 Mbit/s
95th percentile per-packet one-way delay: 1.697 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 425.95 Mbit/s
95th percentile per-packet one-way delay: 1.847 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 189.78 Mbit/s
95th percentile per-packet one-way delay: 1.875 ms
Loss rate: 0.26%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-02-16 11:29:41

End at: 2018-02-16 11:30:11

Local clock offset: 0.276 ms

Remote clock offset: -6.95 ms

Below is generated by plot.py at 2018-02-16 21:09:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 630.61 Mbit/s

95th percentile per-packet one-way delay: 3.152 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 301.43 Mbit/s

95th percentile per-packet one-way delay: 2.622 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 337.25 Mbit/s

95th percentile per-packet one-way delay: 3.155 ms

Loss rate: 0.09%

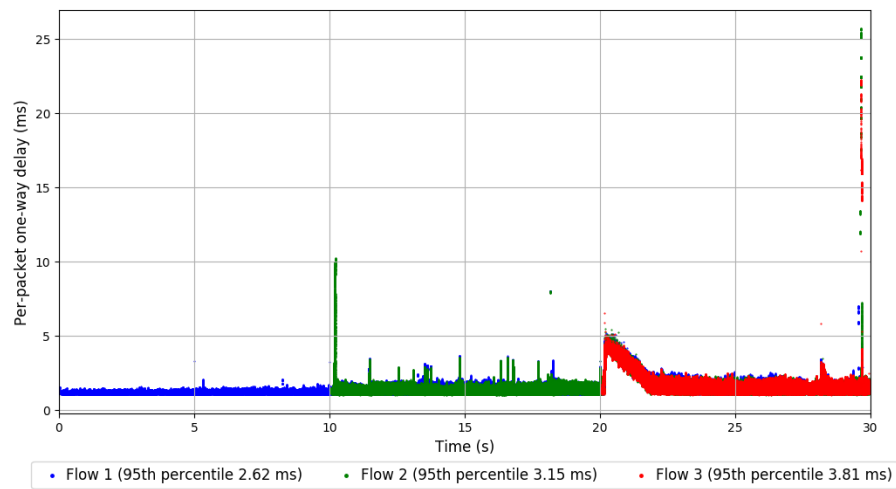
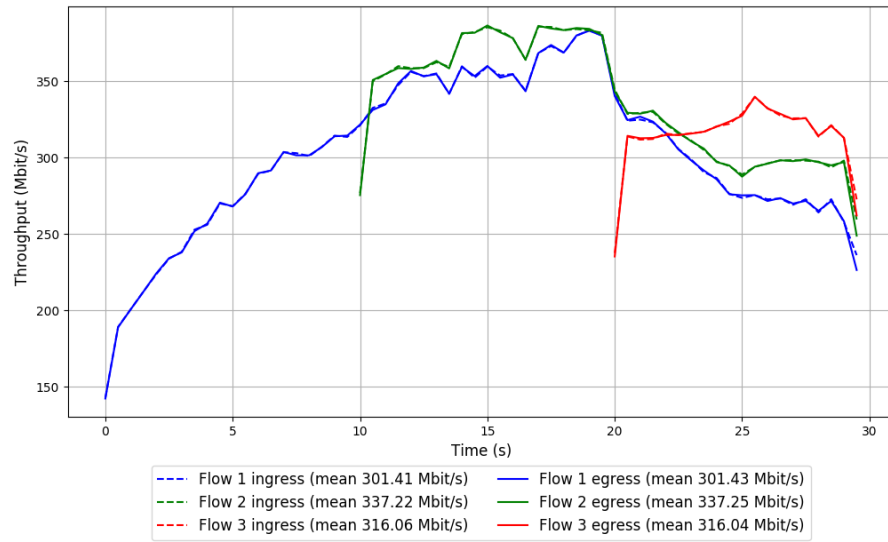
-- Flow 3:

Average throughput: 316.04 Mbit/s

95th percentile per-packet one-way delay: 3.813 ms

Loss rate: 0.18%

Run 3: Report of TCP Vegas — Data Link

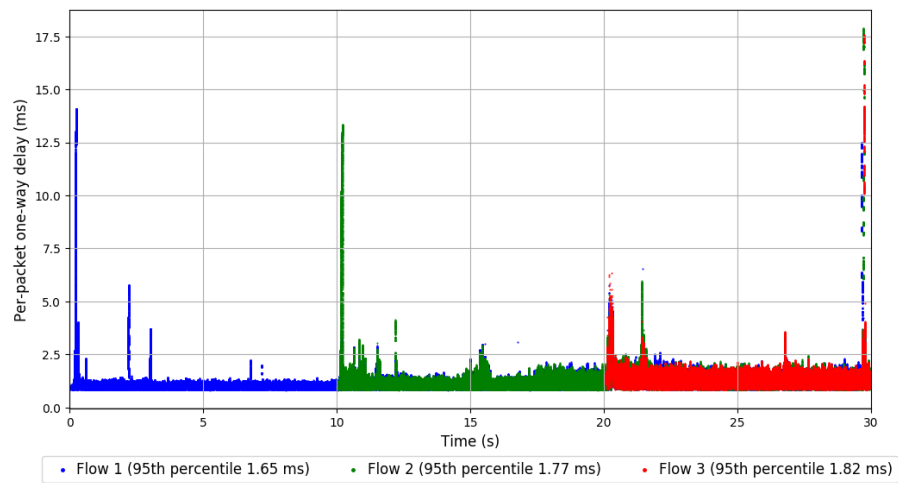
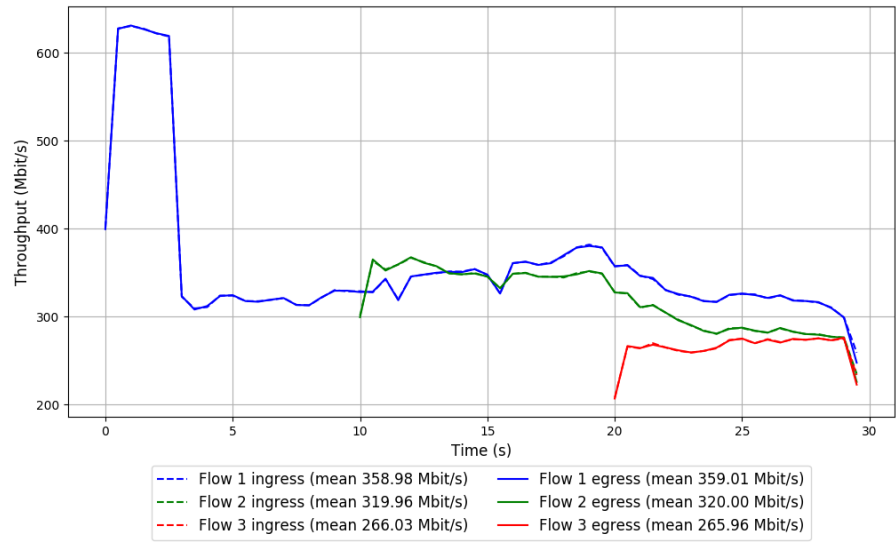


Run 4: Statistics of TCP Vegas

Start at: 2018-02-16 11:56:27
End at: 2018-02-16 11:56:58
Local clock offset: 0.048 ms
Remote clock offset: -5.496 ms

Below is generated by plot.py at 2018-02-16 21:09:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 660.20 Mbit/s
95th percentile per-packet one-way delay: 1.723 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 359.01 Mbit/s
95th percentile per-packet one-way delay: 1.648 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 320.00 Mbit/s
95th percentile per-packet one-way delay: 1.767 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 265.96 Mbit/s
95th percentile per-packet one-way delay: 1.825 ms
Loss rate: 0.21%

Run 4: Report of TCP Vegas — Data Link

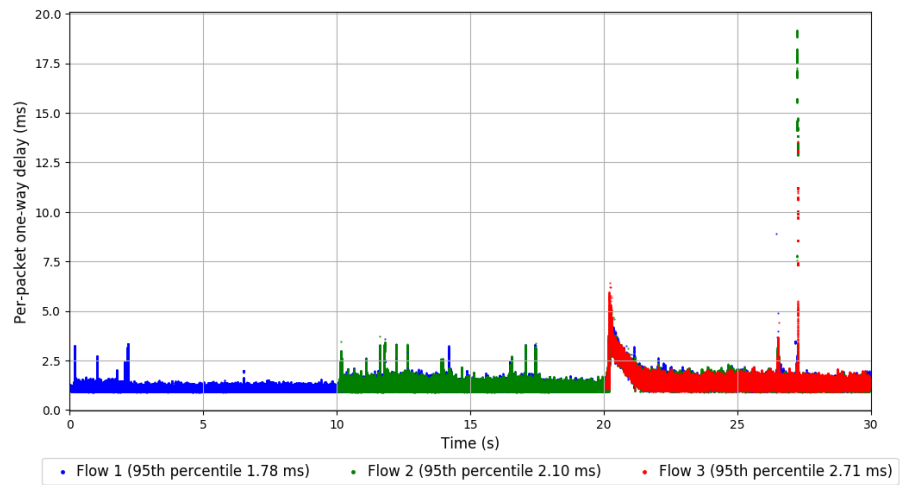
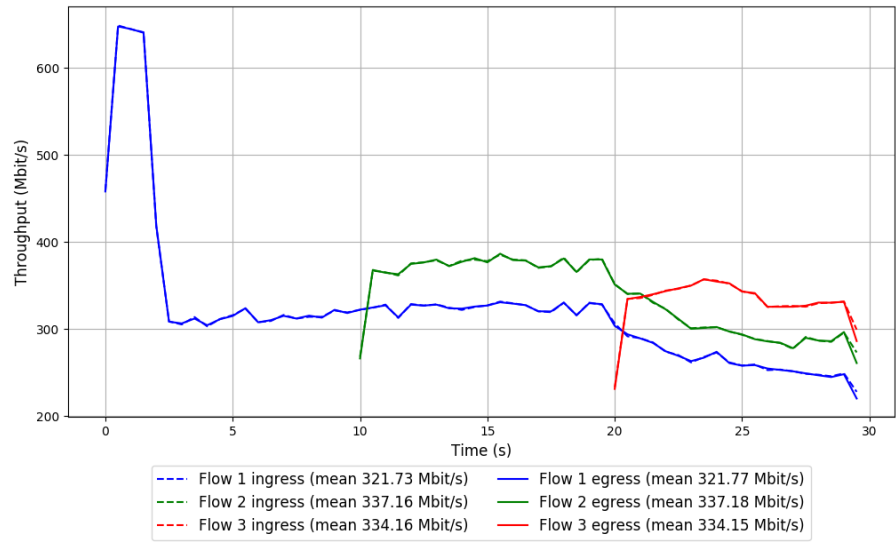


Run 5: Statistics of TCP Vegas

Start at: 2018-02-16 12:23:22
End at: 2018-02-16 12:23:52
Local clock offset: 0.351 ms
Remote clock offset: -4.926 ms

Below is generated by plot.py at 2018-02-16 21:13:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 656.63 Mbit/s
95th percentile per-packet one-way delay: 2.045 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 321.77 Mbit/s
95th percentile per-packet one-way delay: 1.777 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 337.18 Mbit/s
95th percentile per-packet one-way delay: 2.095 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 334.15 Mbit/s
95th percentile per-packet one-way delay: 2.714 ms
Loss rate: 0.20%

Run 5: Report of TCP Vegas — Data Link

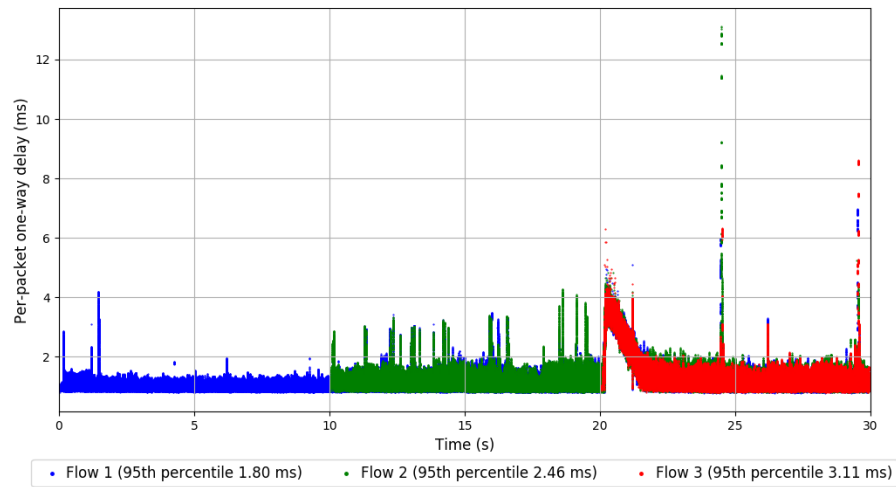
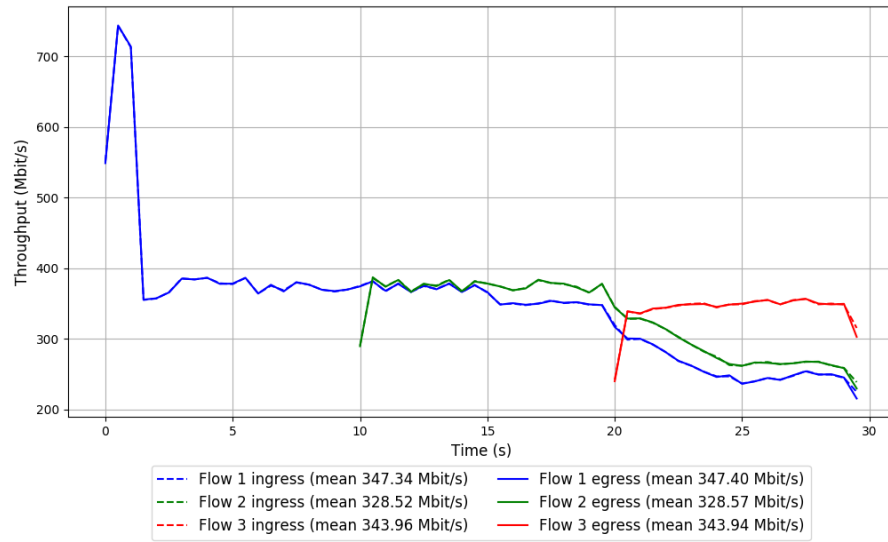


Run 6: Statistics of TCP Vegas

Start at: 2018-02-16 12:50:19
End at: 2018-02-16 12:50:49
Local clock offset: 0.317 ms
Remote clock offset: -5.435 ms

Below is generated by plot.py at 2018-02-16 21:13:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 679.88 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 347.40 Mbit/s
95th percentile per-packet one-way delay: 1.804 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 328.57 Mbit/s
95th percentile per-packet one-way delay: 2.462 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 343.94 Mbit/s
95th percentile per-packet one-way delay: 3.111 ms
Loss rate: 0.19%

Run 6: Report of TCP Vegas — Data Link

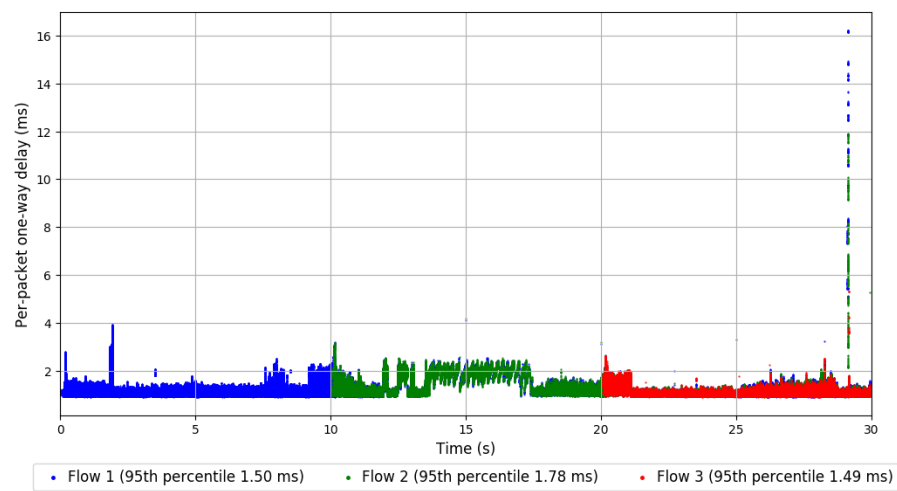
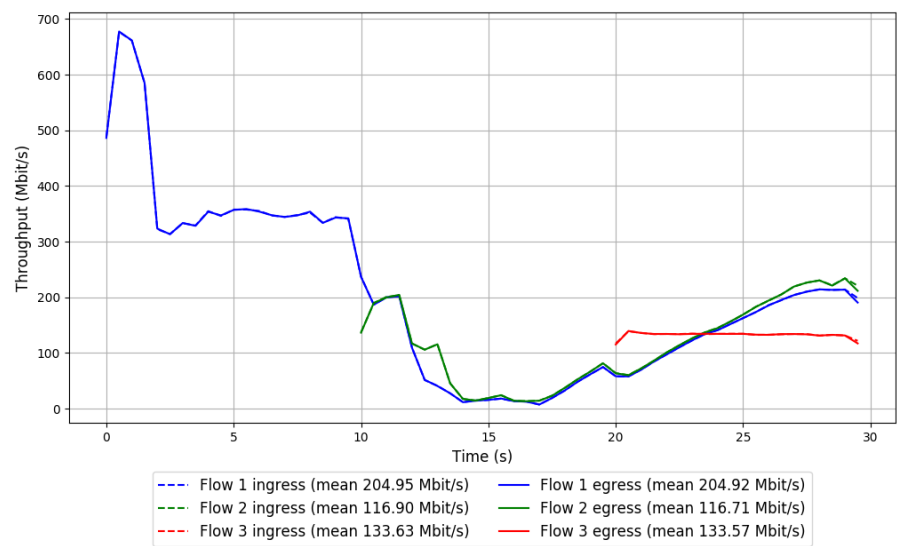


Run 7: Statistics of TCP Vegas

Start at: 2018-02-16 13:17:06
End at: 2018-02-16 13:17:36
Local clock offset: 0.287 ms
Remote clock offset: -6.466 ms

Below is generated by plot.py at 2018-02-16 21:13:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.72 Mbit/s
95th percentile per-packet one-way delay: 1.560 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 204.92 Mbit/s
95th percentile per-packet one-way delay: 1.502 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 116.71 Mbit/s
95th percentile per-packet one-way delay: 1.783 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 133.57 Mbit/s
95th percentile per-packet one-way delay: 1.486 ms
Loss rate: 0.22%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-16 13:43:47

End at: 2018-02-16 13:44:17

Local clock offset: 0.208 ms

Remote clock offset: -8.48 ms

Below is generated by plot.py at 2018-02-16 21:16:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 619.67 Mbit/s

95th percentile per-packet one-way delay: 1.655 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 310.52 Mbit/s

95th percentile per-packet one-way delay: 1.641 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 353.90 Mbit/s

95th percentile per-packet one-way delay: 1.653 ms

Loss rate: 0.08%

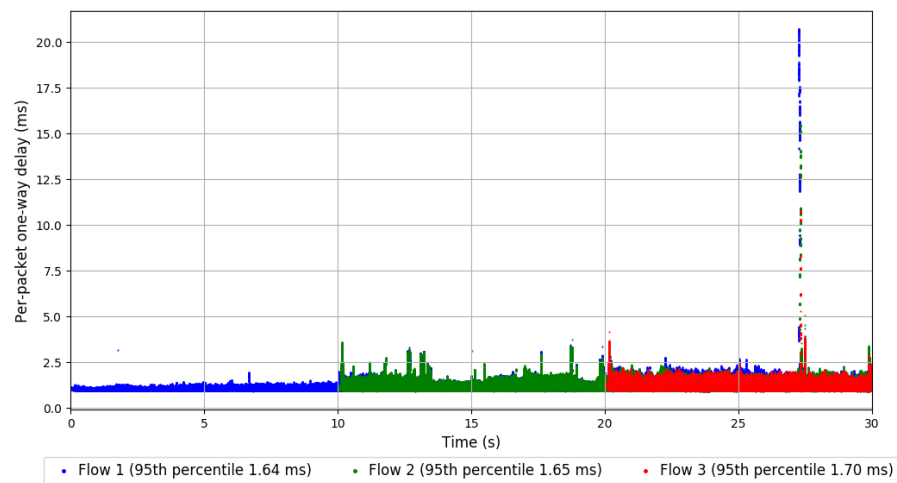
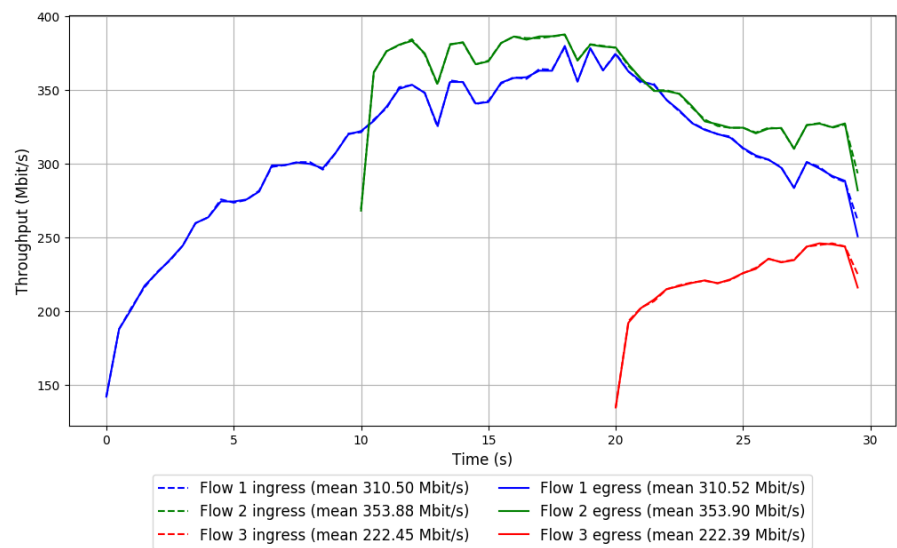
-- Flow 3:

Average throughput: 222.39 Mbit/s

95th percentile per-packet one-way delay: 1.695 ms

Loss rate: 0.22%

Run 8: Report of TCP Vegas — Data Link

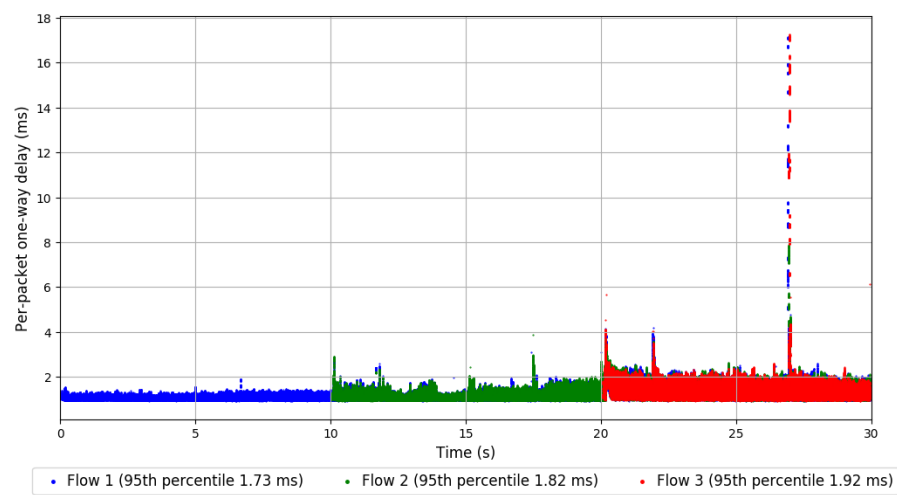
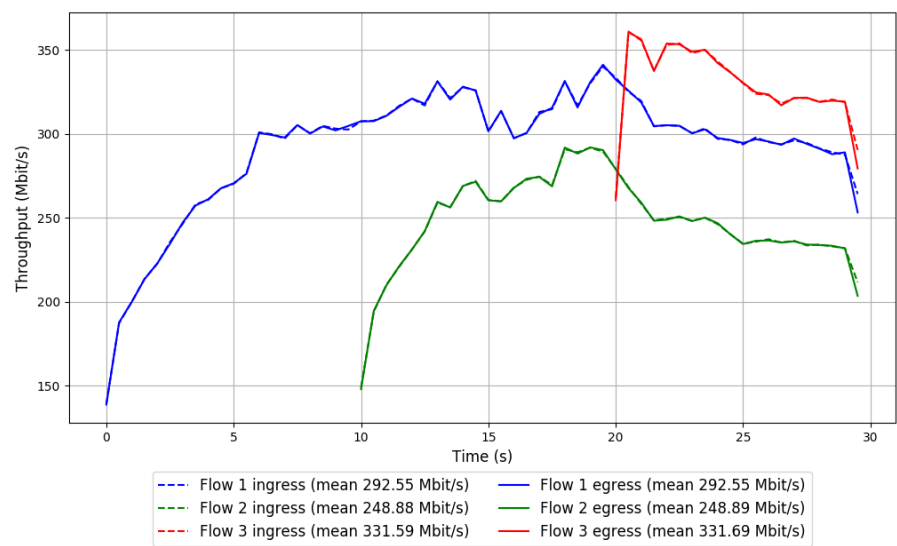


Run 9: Statistics of TCP Vegas

Start at: 2018-02-16 14:10:51
End at: 2018-02-16 14:11:21
Local clock offset: 0.137 ms
Remote clock offset: -7.198 ms

Below is generated by plot.py at 2018-02-16 21:16:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 567.97 Mbit/s
95th percentile per-packet one-way delay: 1.807 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 292.55 Mbit/s
95th percentile per-packet one-way delay: 1.733 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 248.89 Mbit/s
95th percentile per-packet one-way delay: 1.818 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 331.69 Mbit/s
95th percentile per-packet one-way delay: 1.918 ms
Loss rate: 0.18%

Run 9: Report of TCP Vegas — Data Link

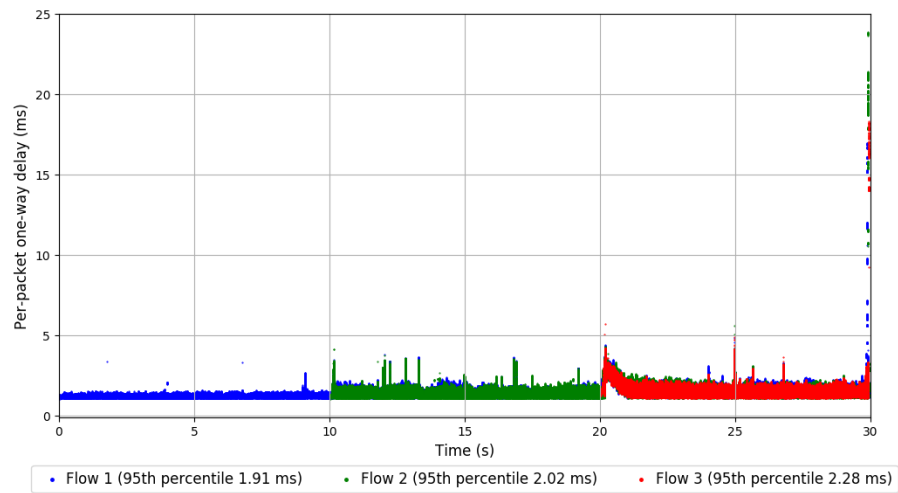
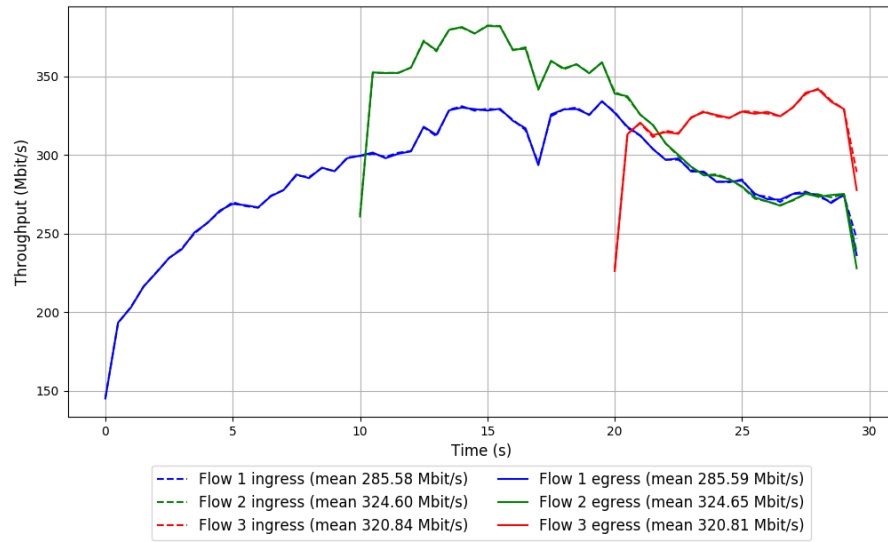


Run 10: Statistics of TCP Vegas

Start at: 2018-02-16 14:37:51
End at: 2018-02-16 14:38:21
Local clock offset: 0.326 ms
Remote clock offset: -5.831 ms

Below is generated by plot.py at 2018-02-16 21:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 607.92 Mbit/s
95th percentile per-packet one-way delay: 2.004 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 285.59 Mbit/s
95th percentile per-packet one-way delay: 1.905 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 324.65 Mbit/s
95th percentile per-packet one-way delay: 2.025 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 320.81 Mbit/s
95th percentile per-packet one-way delay: 2.278 ms
Loss rate: 0.21%

Run 10: Report of TCP Vegas — Data Link

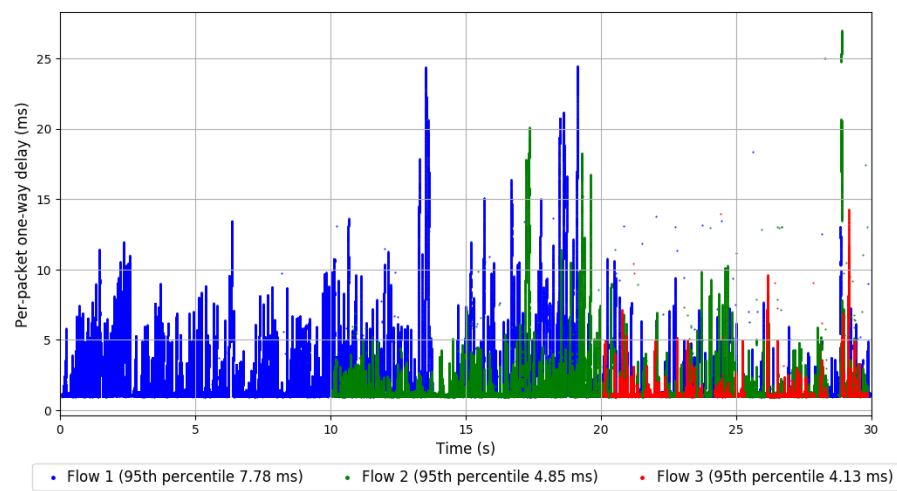
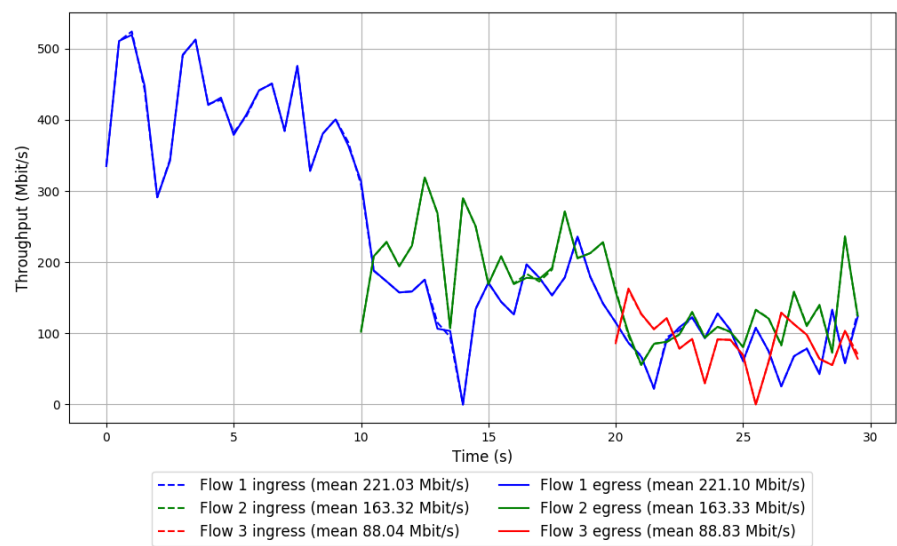


Run 1: Statistics of Verus

Start at: 2018-02-16 10:40:52
End at: 2018-02-16 10:41:22
Local clock offset: 0.015 ms
Remote clock offset: -6.575 ms

Below is generated by plot.py at 2018-02-16 21:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.47 Mbit/s
95th percentile per-packet one-way delay: 7.089 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 221.10 Mbit/s
95th percentile per-packet one-way delay: 7.778 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 163.33 Mbit/s
95th percentile per-packet one-way delay: 4.848 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 88.83 Mbit/s
95th percentile per-packet one-way delay: 4.133 ms
Loss rate: 0.36%

Run 1: Report of Verus — Data Link

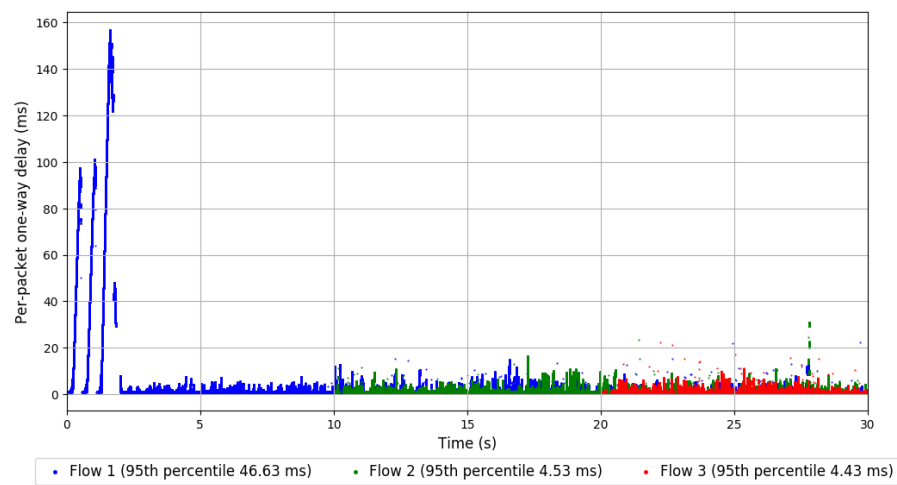
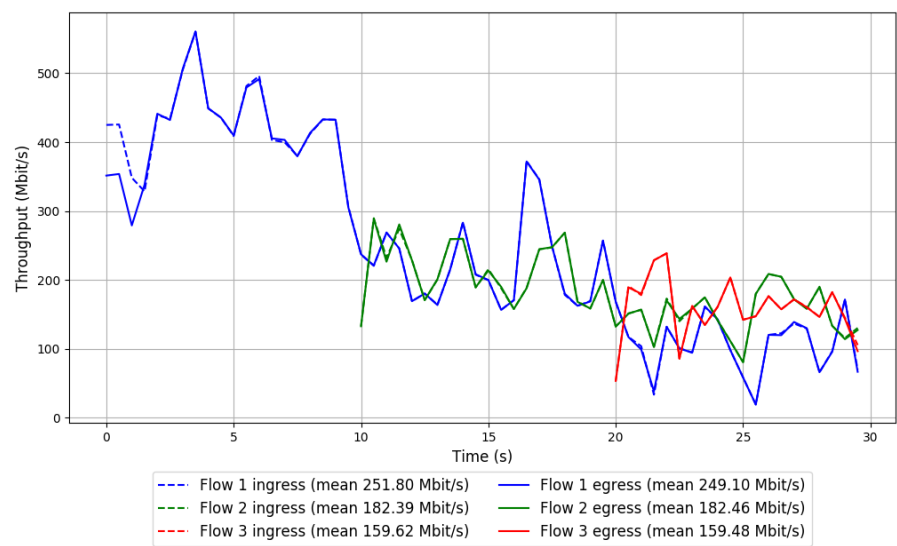


Run 2: Statistics of Verus

Start at: 2018-02-16 11:07:40
End at: 2018-02-16 11:08:10
Local clock offset: 0.413 ms
Remote clock offset: -6.568 ms

Below is generated by plot.py at 2018-02-16 21:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.78 Mbit/s
95th percentile per-packet one-way delay: 9.176 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 249.10 Mbit/s
95th percentile per-packet one-way delay: 46.635 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 182.46 Mbit/s
95th percentile per-packet one-way delay: 4.531 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 159.48 Mbit/s
95th percentile per-packet one-way delay: 4.434 ms
Loss rate: 0.35%

Run 2: Report of Verus — Data Link

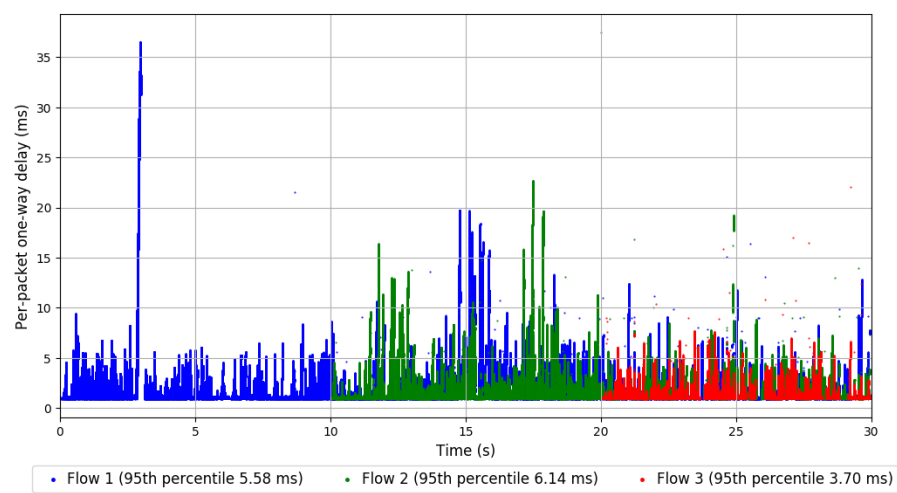
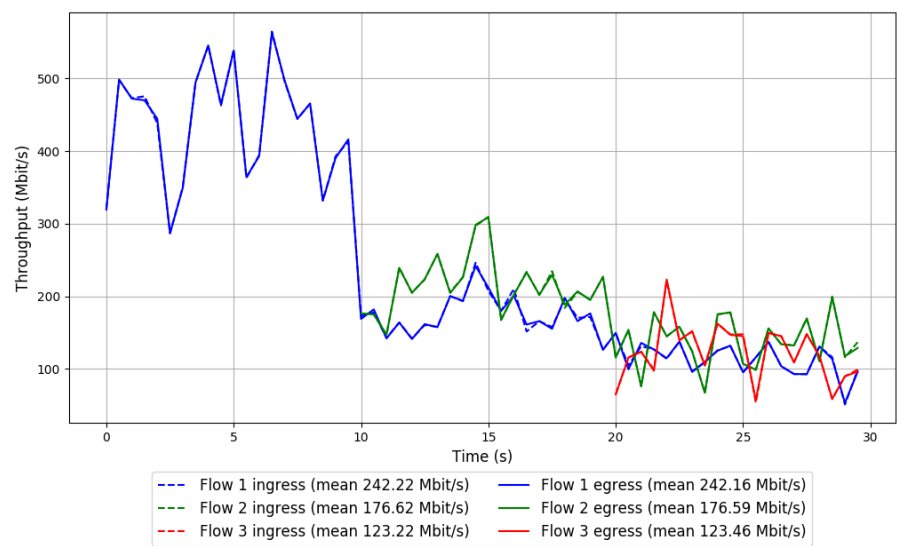


Run 3: Statistics of Verus

Start at: 2018-02-16 11:34:30
End at: 2018-02-16 11:35:00
Local clock offset: 0.085 ms
Remote clock offset: -6.973 ms

Below is generated by plot.py at 2018-02-16 21:18:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.59 Mbit/s
95th percentile per-packet one-way delay: 5.529 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 242.16 Mbit/s
95th percentile per-packet one-way delay: 5.584 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 176.59 Mbit/s
95th percentile per-packet one-way delay: 6.136 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 123.46 Mbit/s
95th percentile per-packet one-way delay: 3.702 ms
Loss rate: 0.10%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-02-16 12:01:20

End at: 2018-02-16 12:01:50

Local clock offset: 0.162 ms

Remote clock offset: -5.42 ms

Below is generated by plot.py at 2018-02-16 21:19:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 407.69 Mbit/s

95th percentile per-packet one-way delay: 7.958 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 252.76 Mbit/s

95th percentile per-packet one-way delay: 11.167 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 162.70 Mbit/s

95th percentile per-packet one-way delay: 6.614 ms

Loss rate: 0.20%

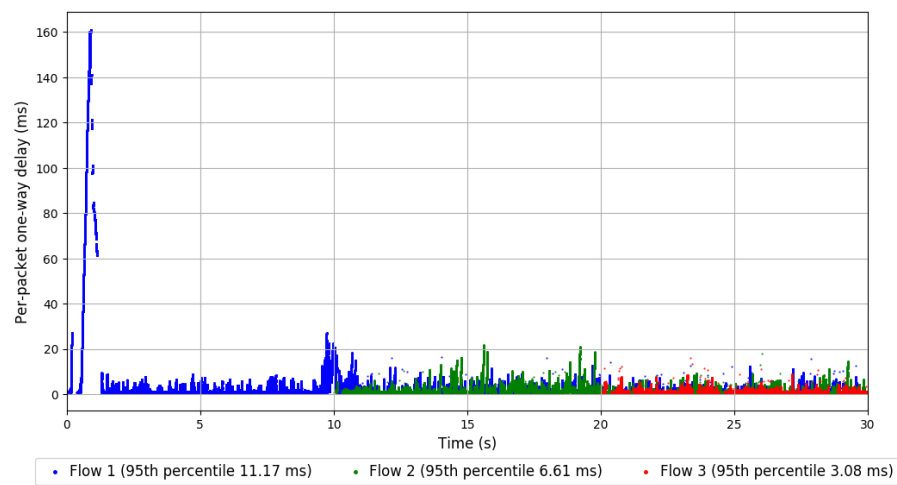
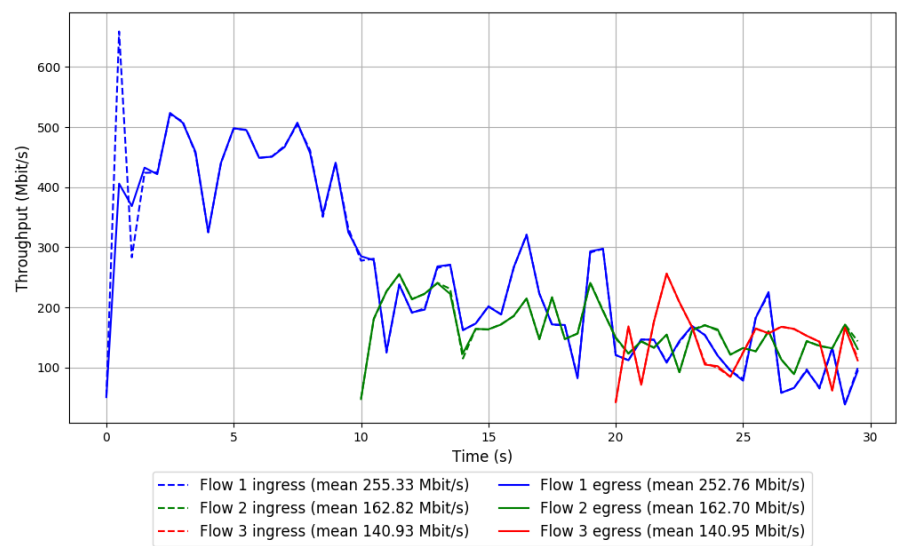
-- Flow 3:

Average throughput: 140.95 Mbit/s

95th percentile per-packet one-way delay: 3.077 ms

Loss rate: 0.16%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-16 12:28:18

End at: 2018-02-16 12:28:48

Local clock offset: 0.35 ms

Remote clock offset: -4.9 ms

Below is generated by plot.py at 2018-02-16 21:20:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.28 Mbit/s

95th percentile per-packet one-way delay: 5.112 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 274.86 Mbit/s

95th percentile per-packet one-way delay: 6.153 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 200.37 Mbit/s

95th percentile per-packet one-way delay: 4.163 ms

Loss rate: 0.06%

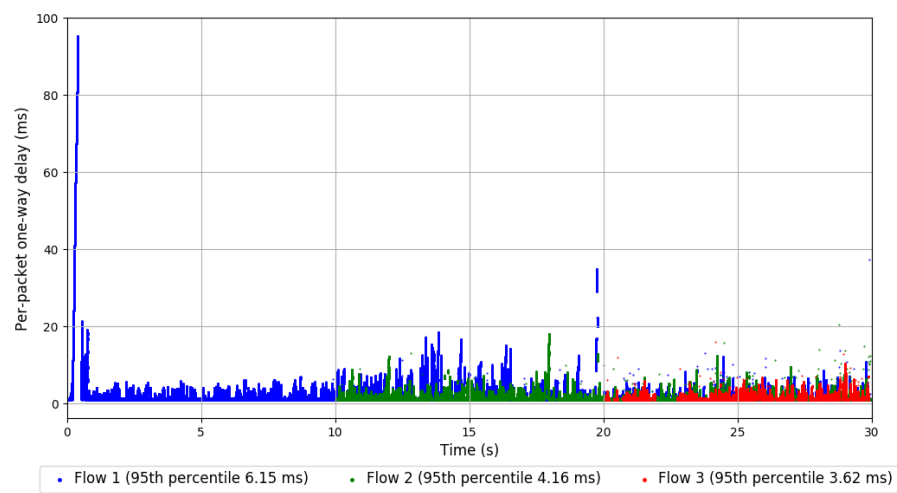
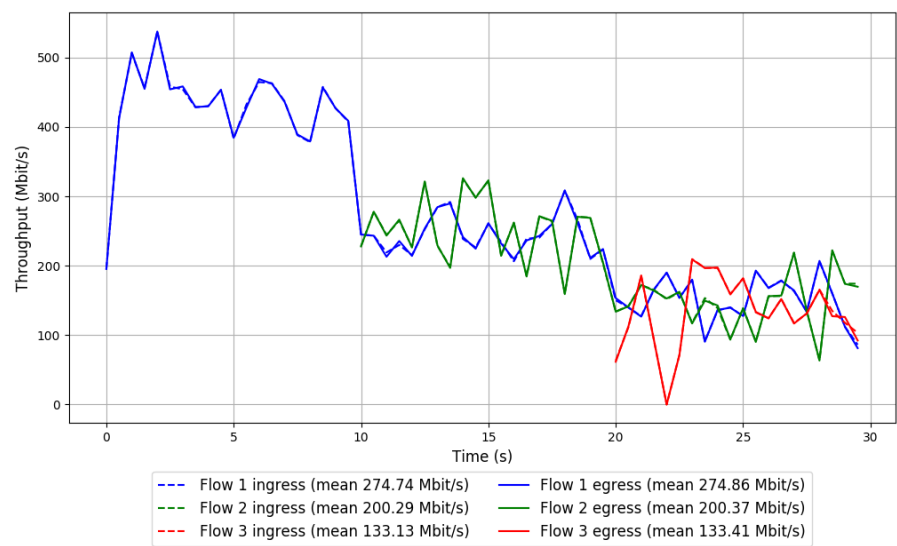
-- Flow 3:

Average throughput: 133.41 Mbit/s

95th percentile per-packet one-way delay: 3.624 ms

Loss rate: 0.42%

Run 5: Report of Verus — Data Link

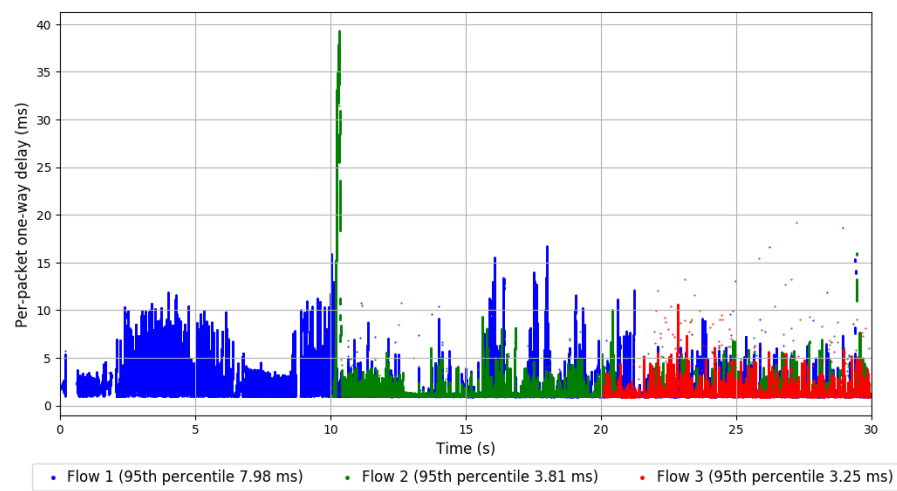
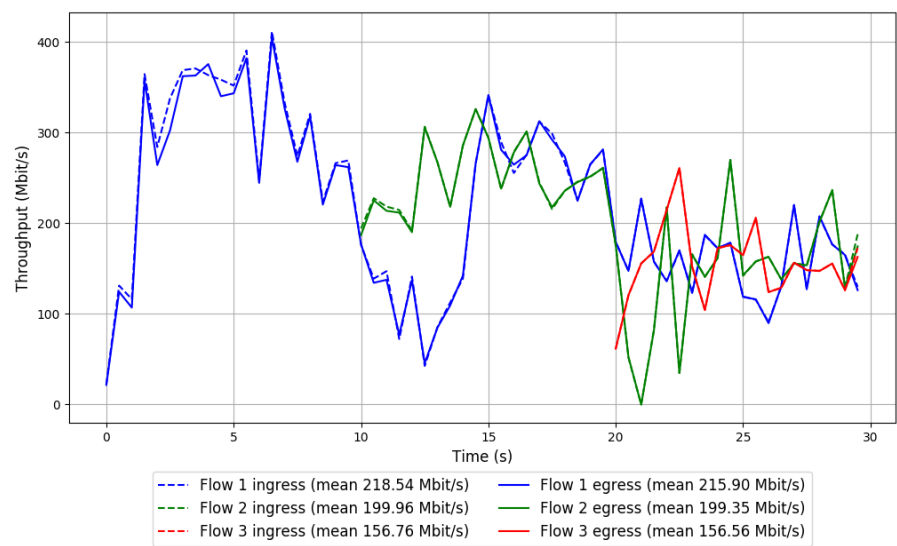


Run 6: Statistics of Verus

Start at: 2018-02-16 12:55:08
End at: 2018-02-16 12:55:38
Local clock offset: 0.396 ms
Remote clock offset: -5.828 ms

Below is generated by plot.py at 2018-02-16 21:20:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.45 Mbit/s
95th percentile per-packet one-way delay: 7.114 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 215.90 Mbit/s
95th percentile per-packet one-way delay: 7.979 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 199.35 Mbit/s
95th percentile per-packet one-way delay: 3.807 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 156.56 Mbit/s
95th percentile per-packet one-way delay: 3.253 ms
Loss rate: 0.32%

Run 6: Report of Verus — Data Link

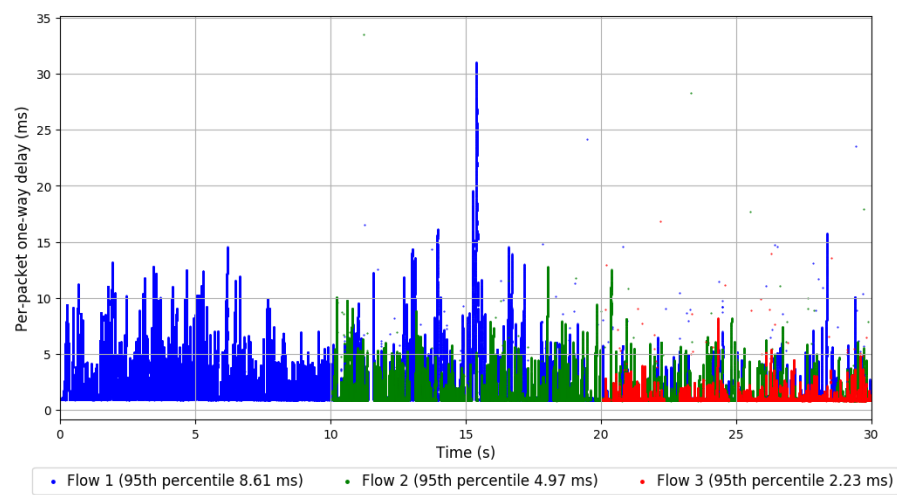
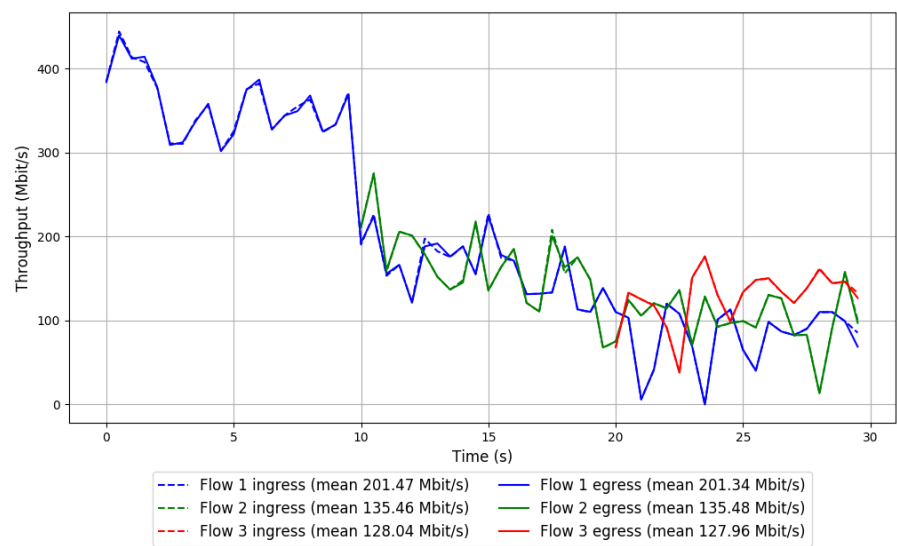


Run 7: Statistics of Verus

Start at: 2018-02-16 13:21:40
End at: 2018-02-16 13:22:10
Local clock offset: 0.174 ms
Remote clock offset: -7.041 ms

Below is generated by plot.py at 2018-02-16 21:20:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.87 Mbit/s
95th percentile per-packet one-way delay: 7.448 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 201.34 Mbit/s
95th percentile per-packet one-way delay: 8.608 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 135.48 Mbit/s
95th percentile per-packet one-way delay: 4.969 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 127.96 Mbit/s
95th percentile per-packet one-way delay: 2.231 ms
Loss rate: 0.26%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-02-16 13:48:34

End at: 2018-02-16 13:49:04

Local clock offset: 0.079 ms

Remote clock offset: -8.71 ms

Below is generated by plot.py at 2018-02-16 21:23:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 464.92 Mbit/s

95th percentile per-packet one-way delay: 7.126 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 274.25 Mbit/s

95th percentile per-packet one-way delay: 7.968 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 205.70 Mbit/s

95th percentile per-packet one-way delay: 6.182 ms

Loss rate: 0.00%

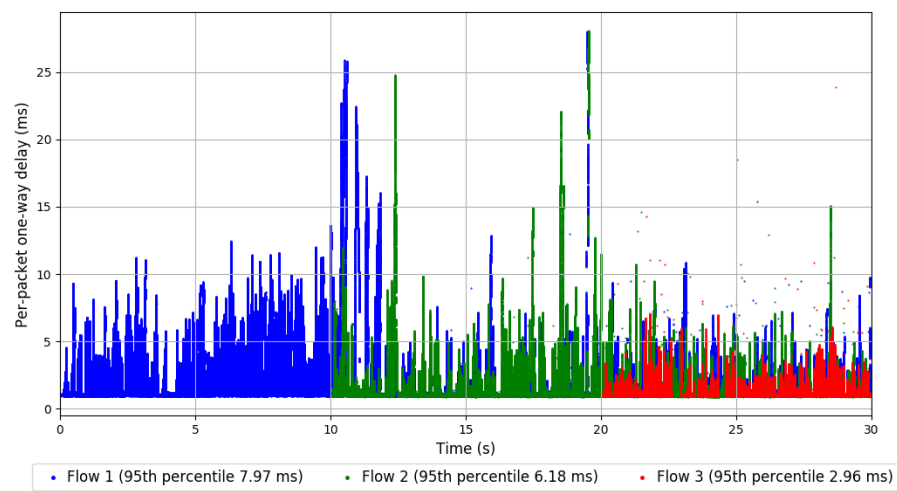
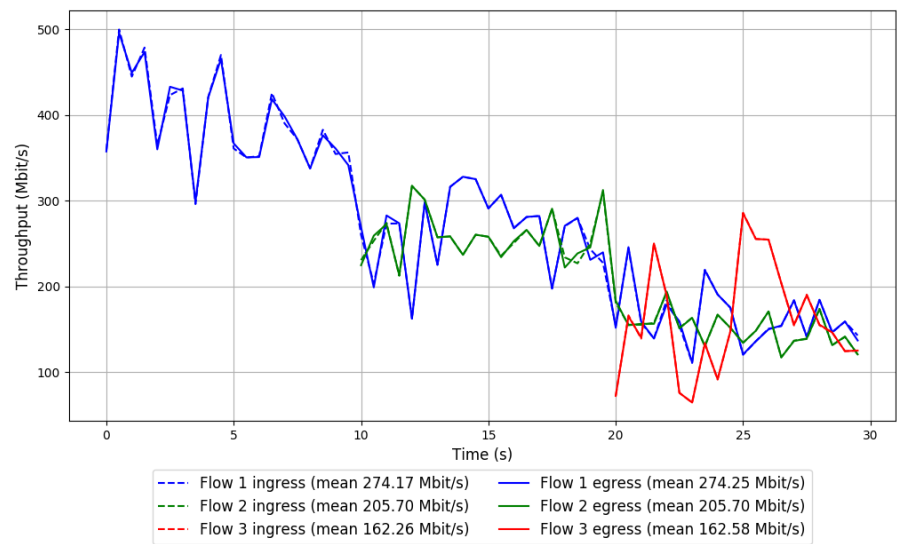
-- Flow 3:

Average throughput: 162.58 Mbit/s

95th percentile per-packet one-way delay: 2.955 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

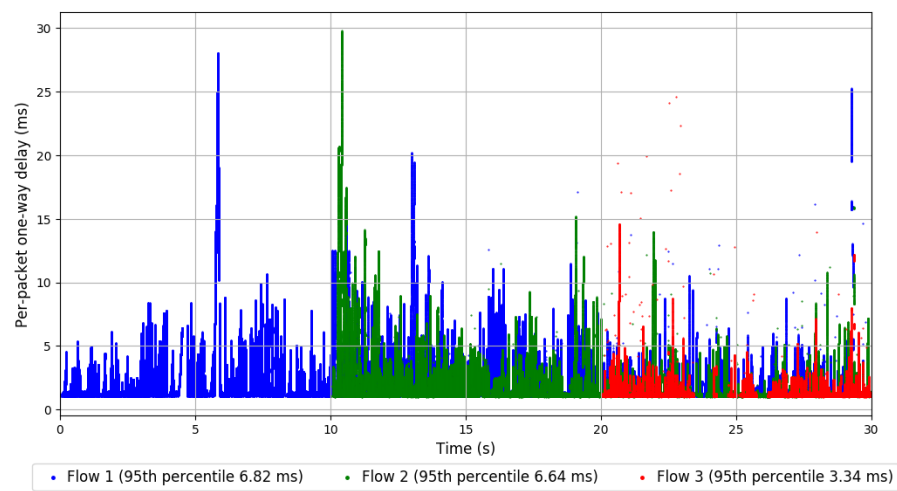
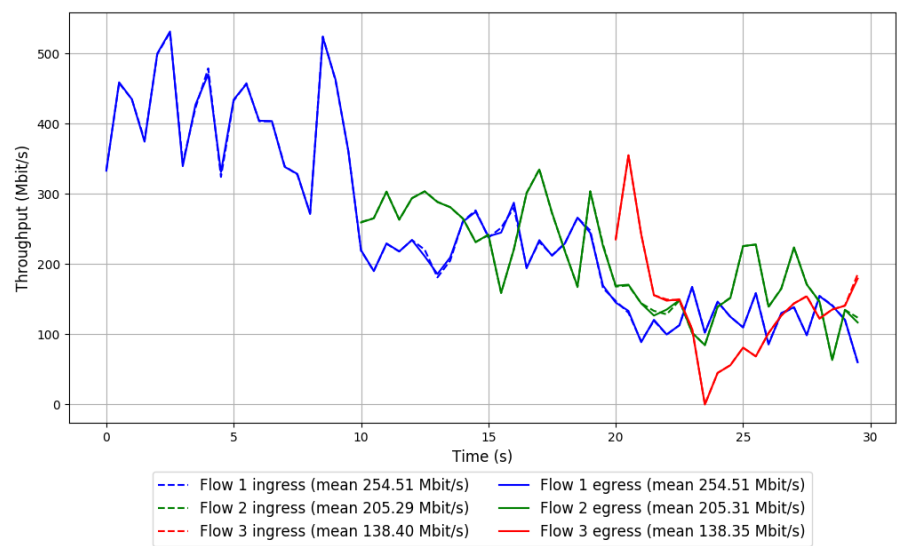


Run 9: Statistics of Verus

Start at: 2018-02-16 14:15:37
End at: 2018-02-16 14:16:07
Local clock offset: 0.226 ms
Remote clock offset: -7.225 ms

Below is generated by plot.py at 2018-02-16 21:23:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.97 Mbit/s
95th percentile per-packet one-way delay: 6.504 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 254.51 Mbit/s
95th percentile per-packet one-way delay: 6.815 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 205.31 Mbit/s
95th percentile per-packet one-way delay: 6.636 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 138.35 Mbit/s
95th percentile per-packet one-way delay: 3.342 ms
Loss rate: 0.25%

Run 9: Report of Verus — Data Link

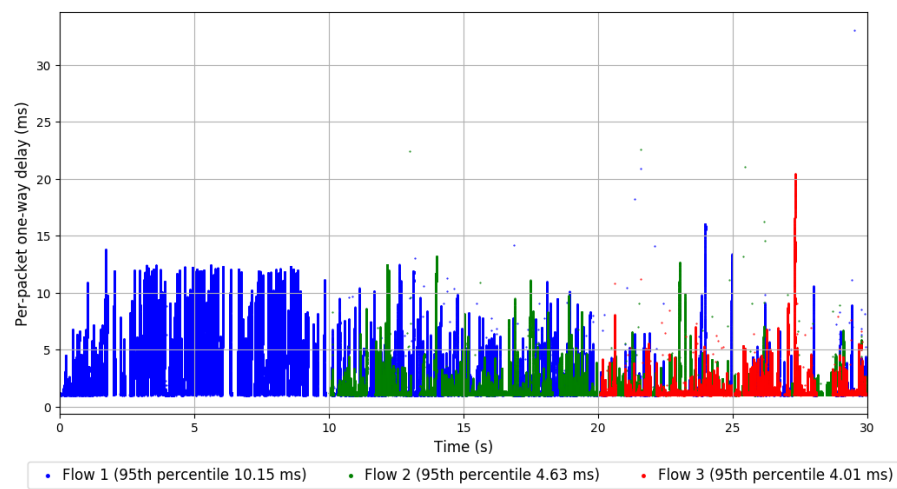
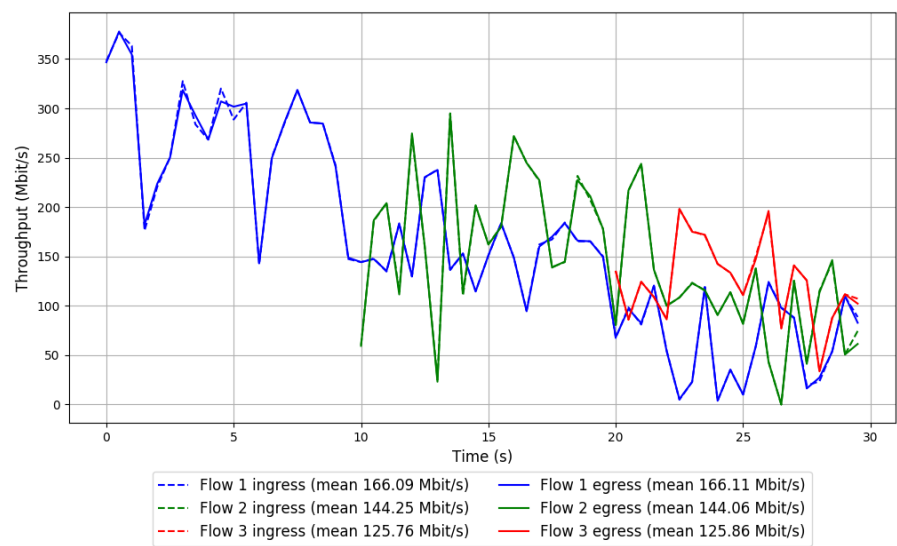


Run 10: Statistics of Verus

Start at: 2018-02-16 14:42:34
End at: 2018-02-16 14:43:04
Local clock offset: 0.325 ms
Remote clock offset: -5.512 ms

Below is generated by plot.py at 2018-02-16 21:23:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.72 Mbit/s
95th percentile per-packet one-way delay: 9.208 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 166.11 Mbit/s
95th percentile per-packet one-way delay: 10.152 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 144.06 Mbit/s
95th percentile per-packet one-way delay: 4.633 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 125.86 Mbit/s
95th percentile per-packet one-way delay: 4.012 ms
Loss rate: 0.20%

Run 10: Report of Verus — Data Link

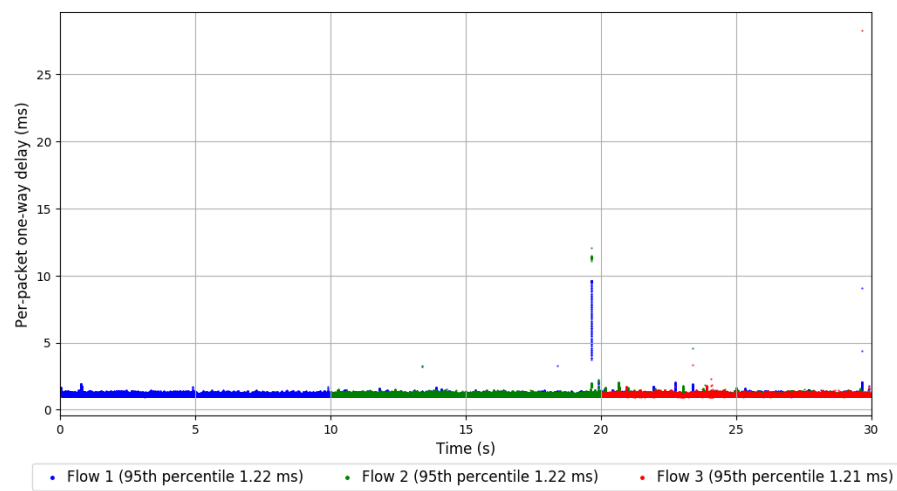
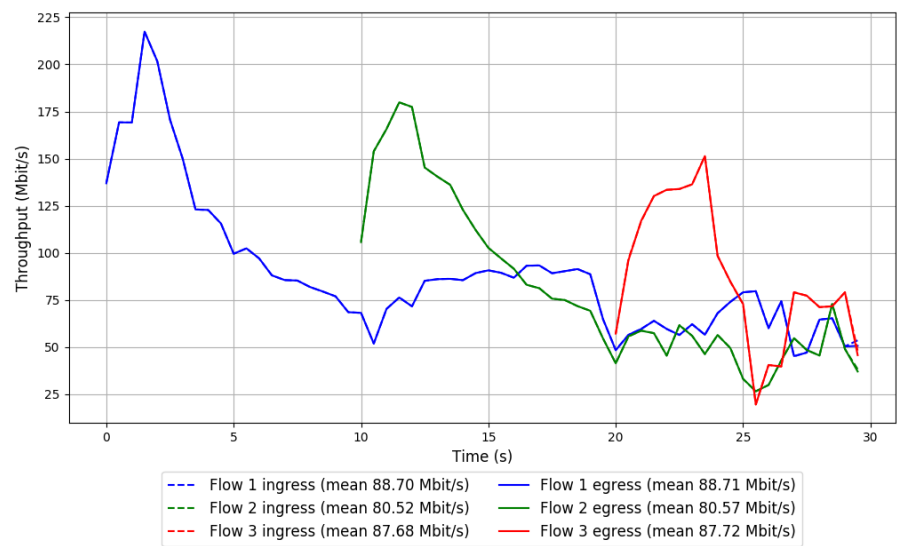


Run 1: Statistics of Copa

Start at: 2018-02-16 10:52:40
End at: 2018-02-16 10:53:10
Local clock offset: 0.352 ms
Remote clock offset: -6.348 ms

Below is generated by plot.py at 2018-02-16 21:23:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.31 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 80.57 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.14%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-16 11:19:27

End at: 2018-02-16 11:19:57

Local clock offset: 0.542 ms

Remote clock offset: -6.9 ms

Below is generated by plot.py at 2018-02-16 21:23:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.92 Mbit/s

95th percentile per-packet one-way delay: 1.270 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: 1.266 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 85.64 Mbit/s

95th percentile per-packet one-way delay: 1.271 ms

Loss rate: 0.03%

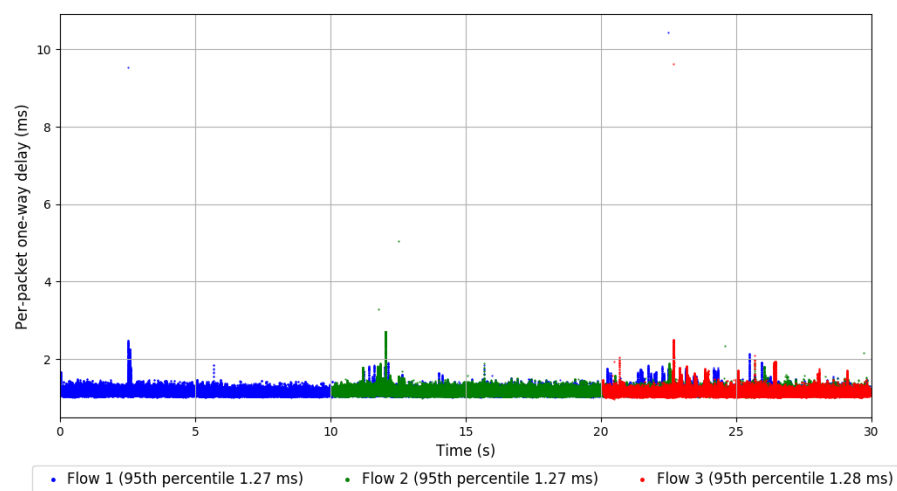
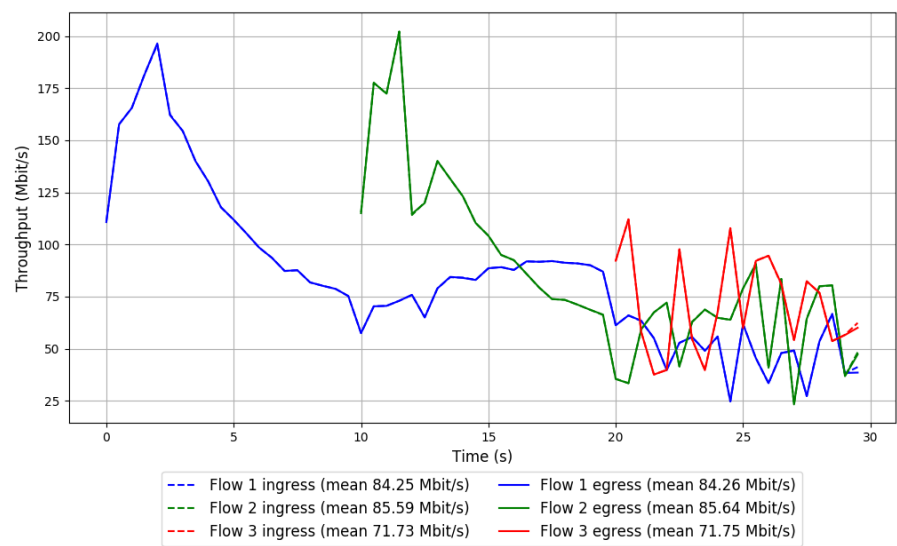
-- Flow 3:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 1.282 ms

Loss rate: 0.18%

Run 2: Report of Copa — Data Link

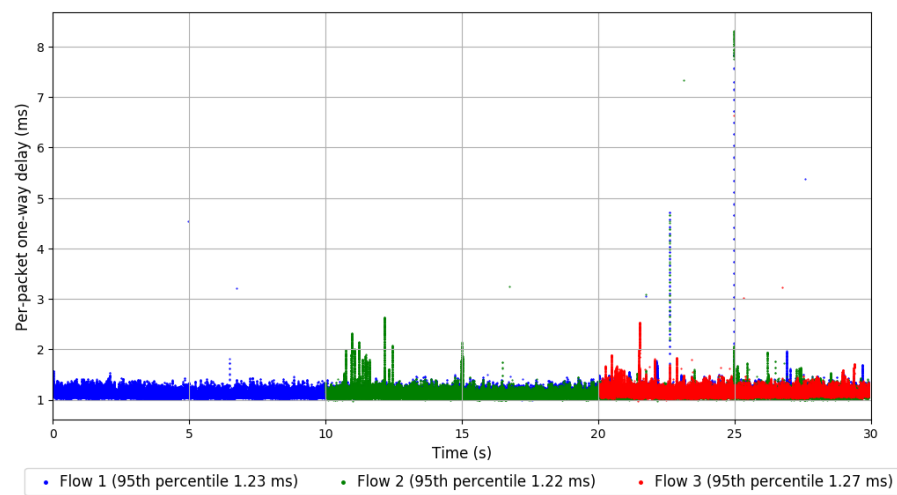
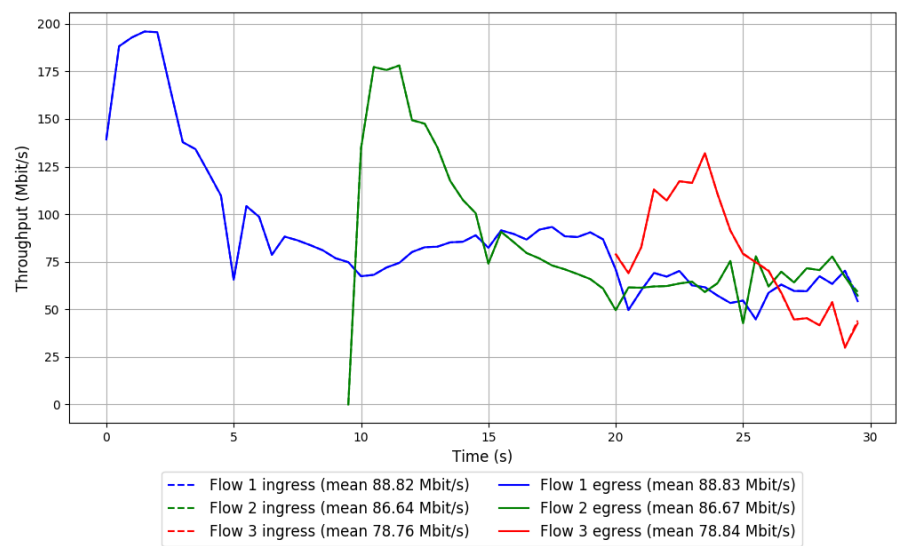


Run 3: Statistics of Copa

Start at: 2018-02-16 11:46:14
End at: 2018-02-16 11:46:44
Local clock offset: 0.063 ms
Remote clock offset: -6.003 ms

Below is generated by plot.py at 2018-02-16 21:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.63 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 88.83 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.10%

Run 3: Report of Copa — Data Link

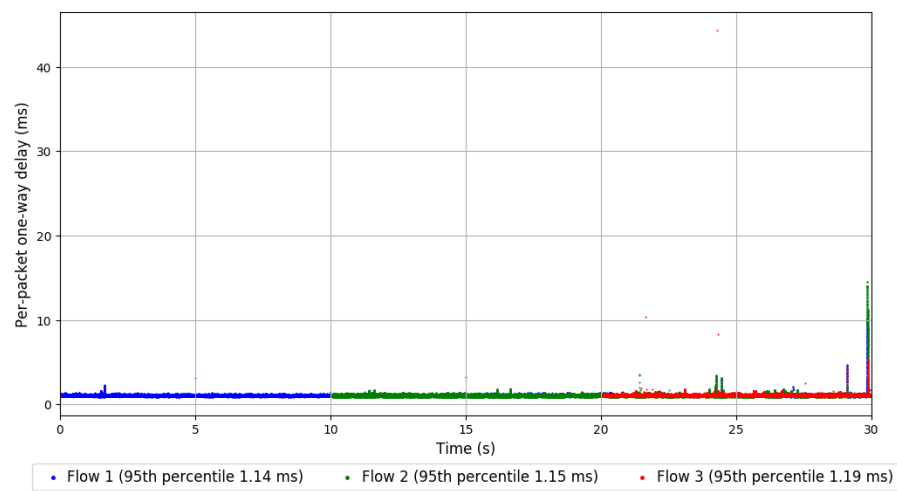
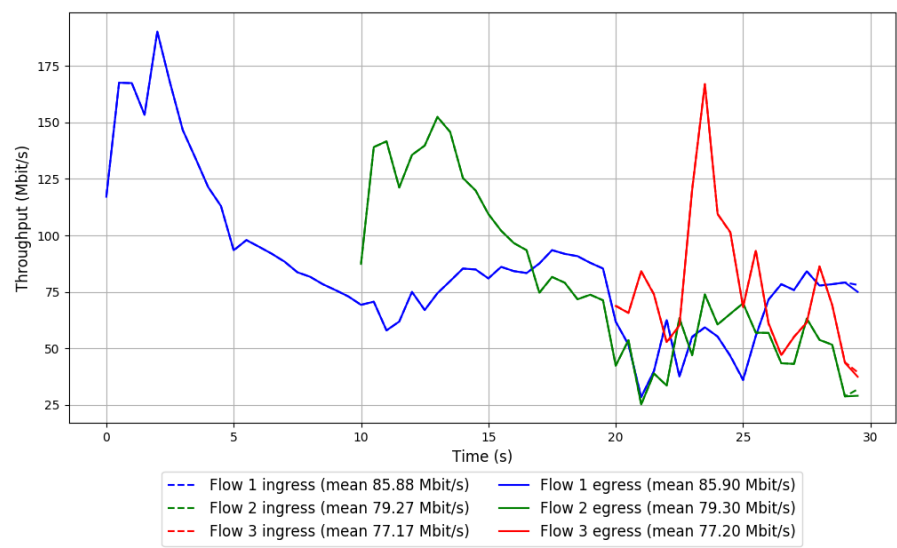


Run 4: Statistics of Copa

Start at: 2018-02-16 12:13:07
End at: 2018-02-16 12:13:37
Local clock offset: 0.319 ms
Remote clock offset: -5.124 ms

Below is generated by plot.py at 2018-02-16 21:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.16 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 79.30 Mbit/s
95th percentile per-packet one-way delay: 1.147 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.15%

Run 4: Report of Copa — Data Link

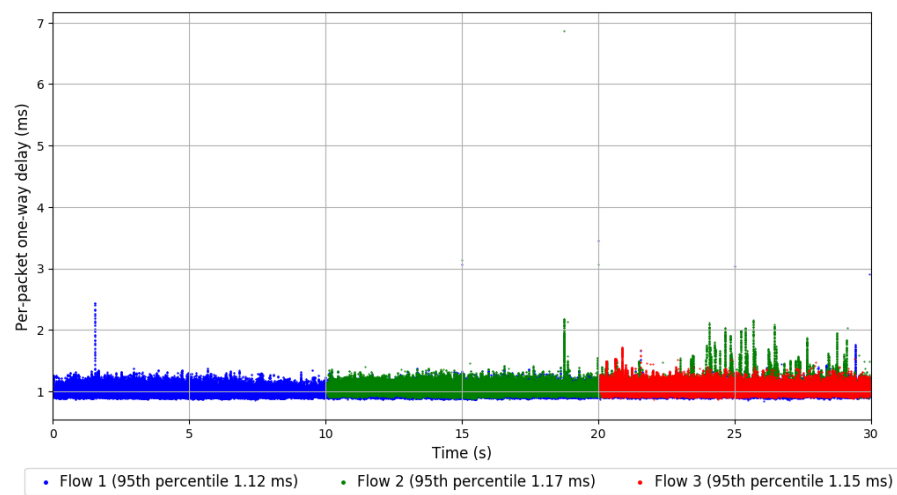
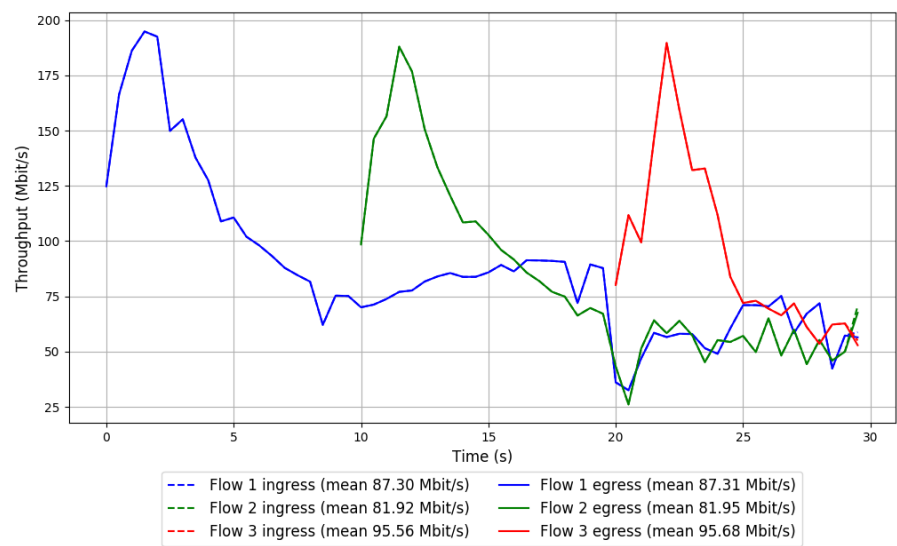


Run 5: Statistics of Copa

Start at: 2018-02-16 12:40:09
End at: 2018-02-16 12:40:39
Local clock offset: 0.264 ms
Remote clock offset: -4.766 ms

Below is generated by plot.py at 2018-02-16 21:25:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 173.44 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 81.95 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 1.154 ms
Loss rate: 0.12%

Run 5: Report of Copa — Data Link

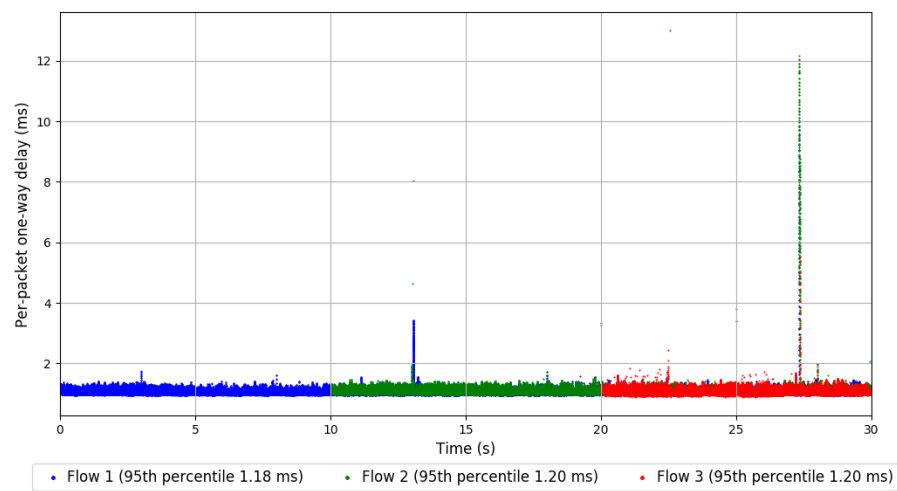
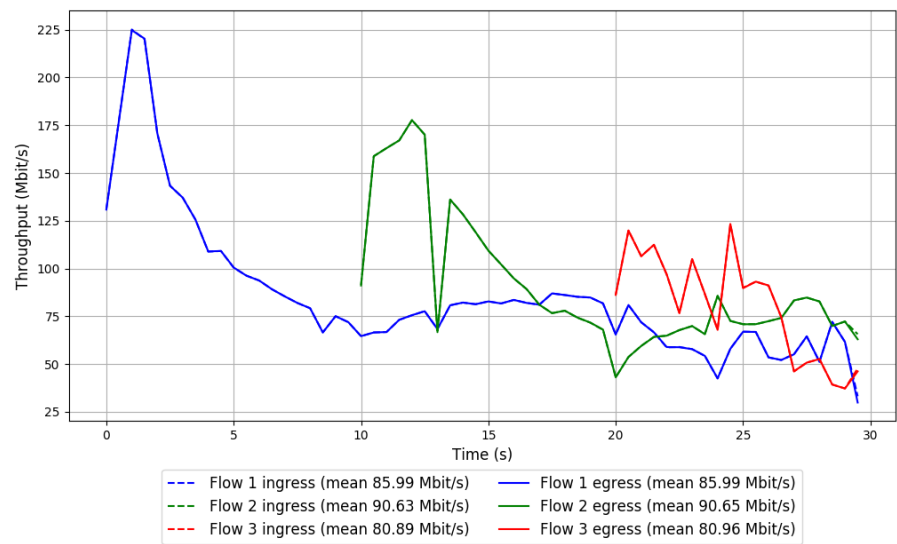


Run 6: Statistics of Copa

Start at: 2018-02-16 13:06:55
End at: 2018-02-16 13:07:25
Local clock offset: 0.341 ms
Remote clock offset: -6.304 ms

```
# Below is generated by plot.py at 2018-02-16 21:26:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 173.08 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 80.96 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.10%
```

Run 6: Report of Copa — Data Link

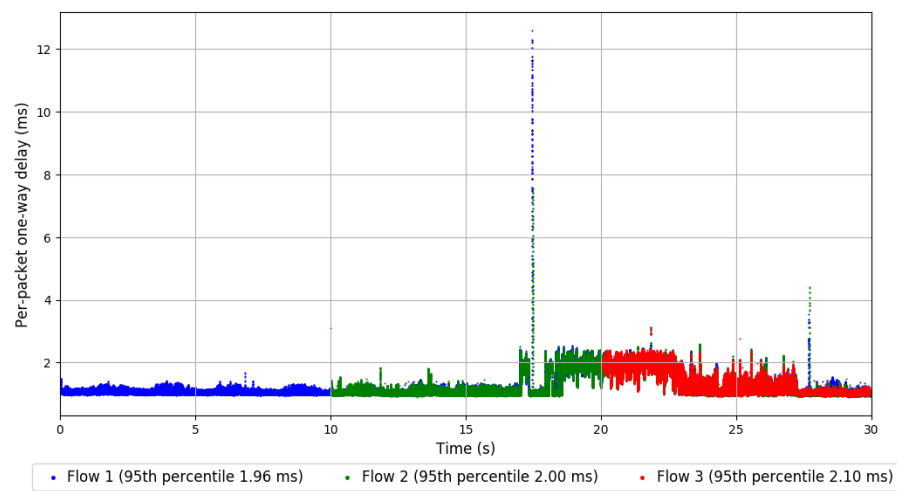
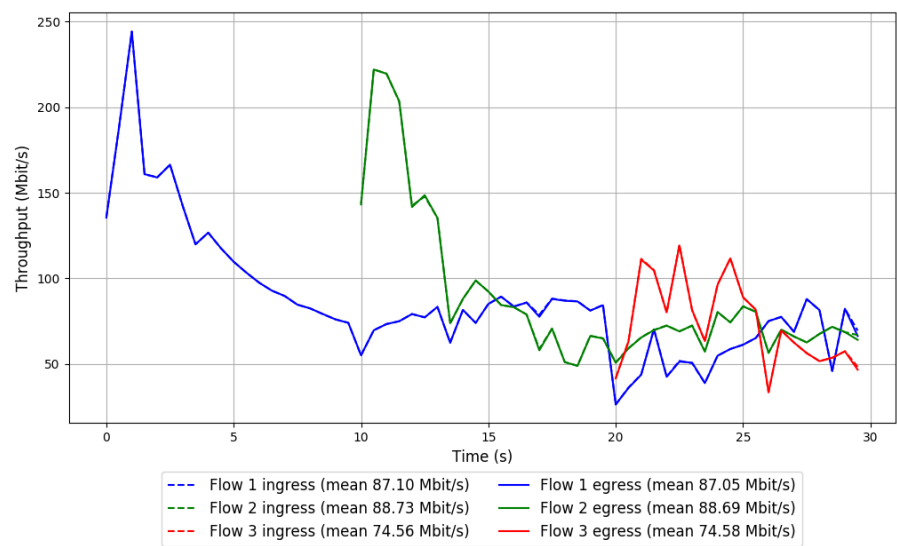


Run 7: Statistics of Copa

Start at: 2018-02-16 13:33:34
End at: 2018-02-16 13:34:04
Local clock offset: 0.216 ms
Remote clock offset: -8.089 ms

```
# Below is generated by plot.py at 2018-02-16 21:27:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 170.68 Mbit/s
95th percentile per-packet one-way delay: 2.017 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 1.964 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 88.69 Mbit/s
95th percentile per-packet one-way delay: 2.005 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: 2.102 ms
Loss rate: 0.20%
```

Run 7: Report of Copa — Data Link

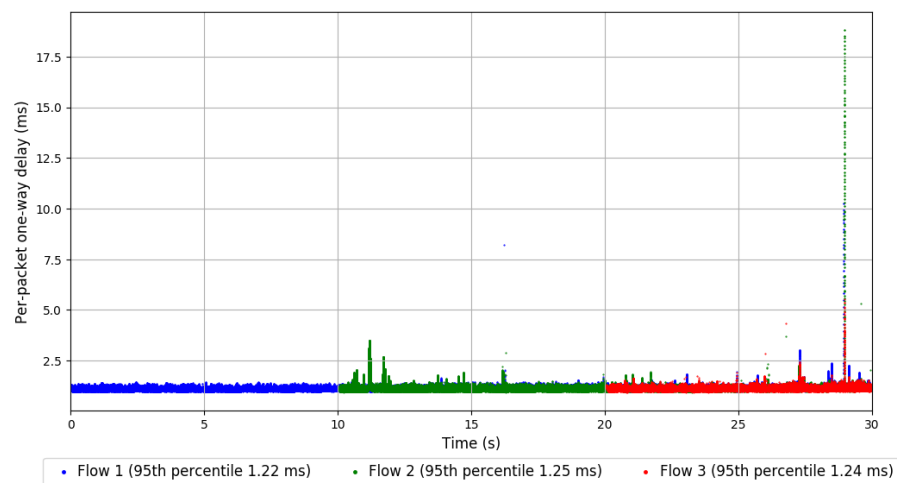
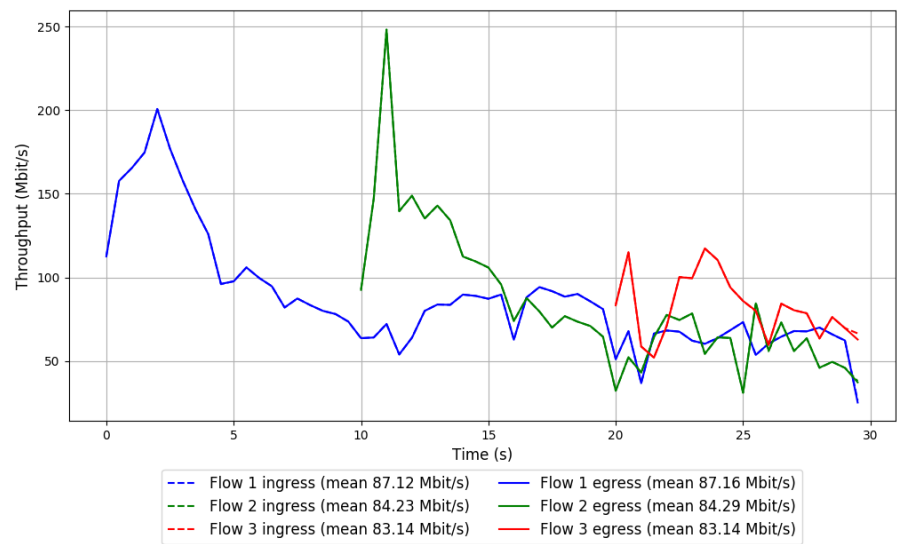


Run 8: Statistics of Copa

Start at: 2018-02-16 14:00:31
End at: 2018-02-16 14:01:01
Local clock offset: 0.106 ms
Remote clock offset: -7.715 ms

Below is generated by plot.py at 2018-02-16 21:27:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 170.68 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.23%

Run 8: Report of Copa — Data Link

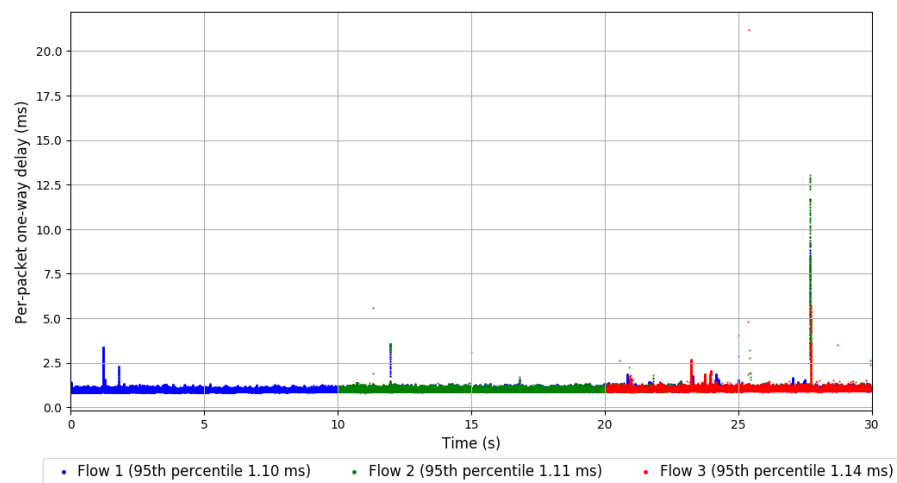
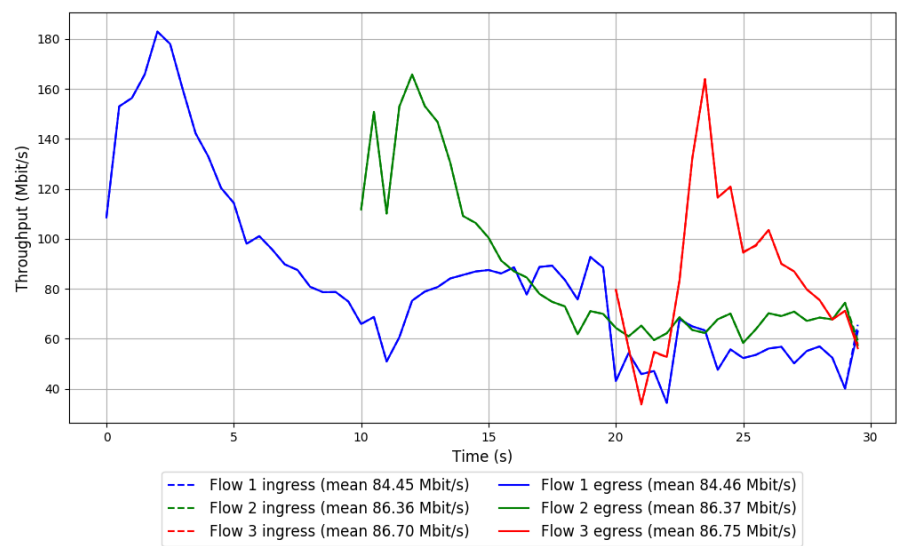


Run 9: Statistics of Copa

Start at: 2018-02-16 14:27:35
End at: 2018-02-16 14:28:05
Local clock offset: 0.229 ms
Remote clock offset: -6.931 ms

```
# Below is generated by plot.py at 2018-02-16 21:27:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 170.60 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 86.75 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.11%
```

Run 9: Report of Copa — Data Link

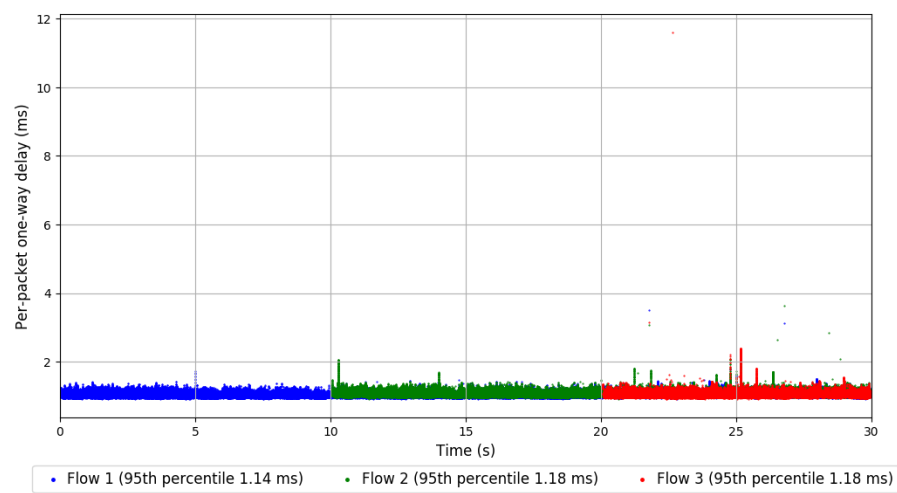
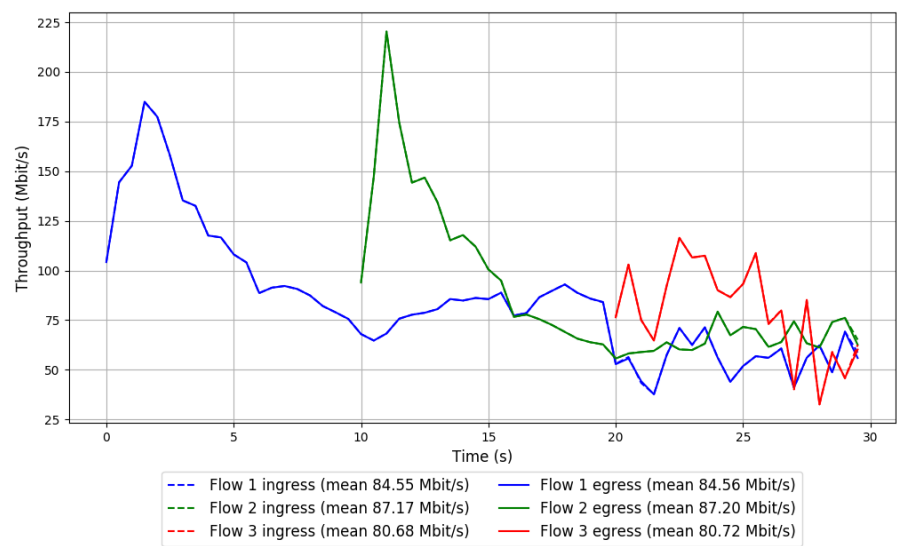


Run 10: Statistics of Copa

Start at: 2018-02-16 14:54:20
End at: 2018-02-16 14:54:50
Local clock offset: 0.105 ms
Remote clock offset: -5.097 ms

Below is generated by plot.py at 2018-02-16 21:27:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 169.21 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 87.20 Mbit/s
95th percentile per-packet one-way delay: 1.180 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.16%

Run 10: Report of Copa — Data Link

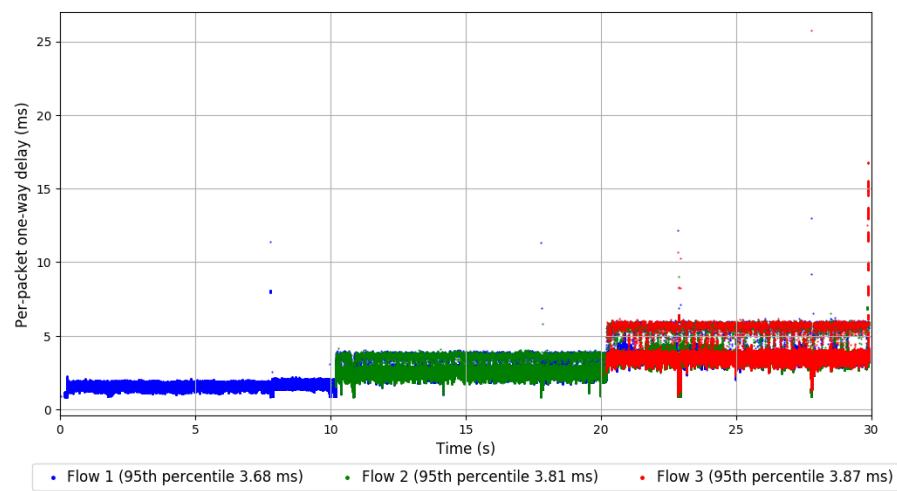
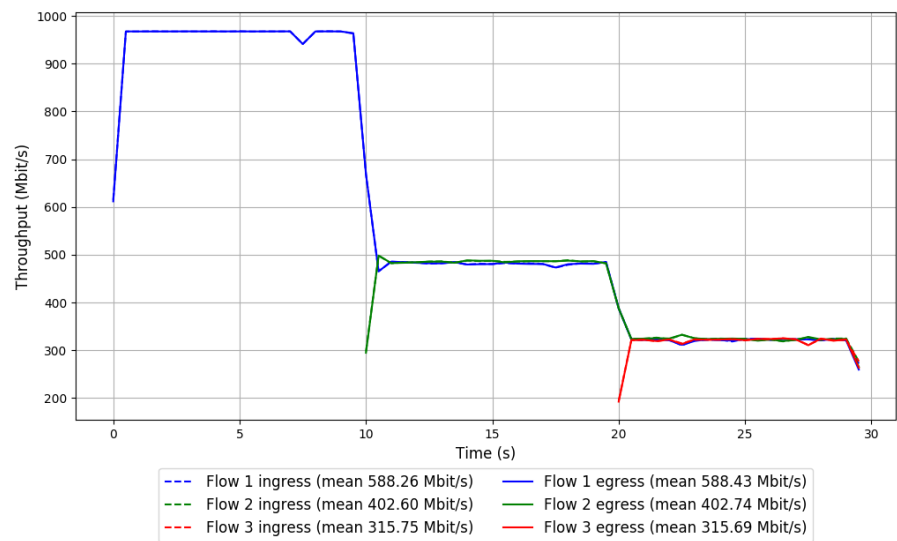


Run 1: Statistics of FillP

Start at: 2018-02-16 10:47:02
End at: 2018-02-16 10:47:32
Local clock offset: 0.07 ms
Remote clock offset: -6.387 ms

Below is generated by plot.py at 2018-02-16 21:38:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.42 Mbit/s
95th percentile per-packet one-way delay: 3.767 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 588.43 Mbit/s
95th percentile per-packet one-way delay: 3.676 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 402.74 Mbit/s
95th percentile per-packet one-way delay: 3.810 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.69 Mbit/s
95th percentile per-packet one-way delay: 3.868 ms
Loss rate: 0.24%

Run 1: Report of FillP — Data Link

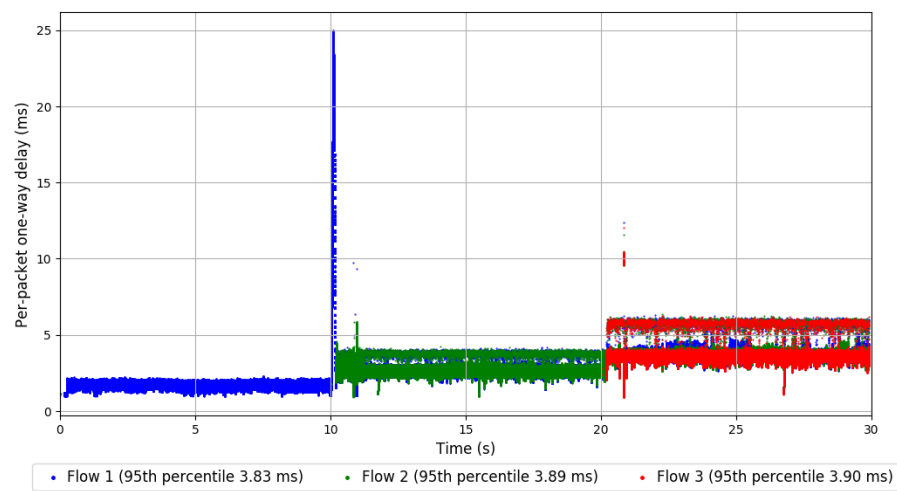
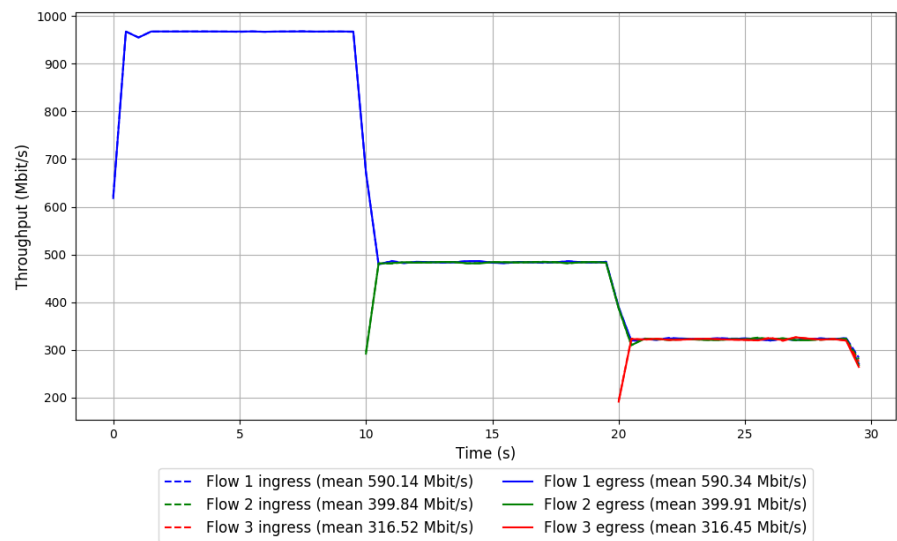


Run 2: Statistics of FillP

Start at: 2018-02-16 11:13:49
End at: 2018-02-16 11:14:19
Local clock offset: 0.565 ms
Remote clock offset: -6.686 ms

Below is generated by plot.py at 2018-02-16 21:39:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.82 Mbit/s
95th percentile per-packet one-way delay: 3.869 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 590.34 Mbit/s
95th percentile per-packet one-way delay: 3.835 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.91 Mbit/s
95th percentile per-packet one-way delay: 3.887 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.45 Mbit/s
95th percentile per-packet one-way delay: 3.897 ms
Loss rate: 0.21%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-16 11:40:34

End at: 2018-02-16 11:41:04

Local clock offset: 0.034 ms

Remote clock offset: -6.41 ms

Below is generated by plot.py at 2018-02-16 21:39:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 956.37 Mbit/s

95th percentile per-packet one-way delay: 4.106 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 585.31 Mbit/s

95th percentile per-packet one-way delay: 14.393 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 400.76 Mbit/s

95th percentile per-packet one-way delay: 4.024 ms

Loss rate: 0.10%

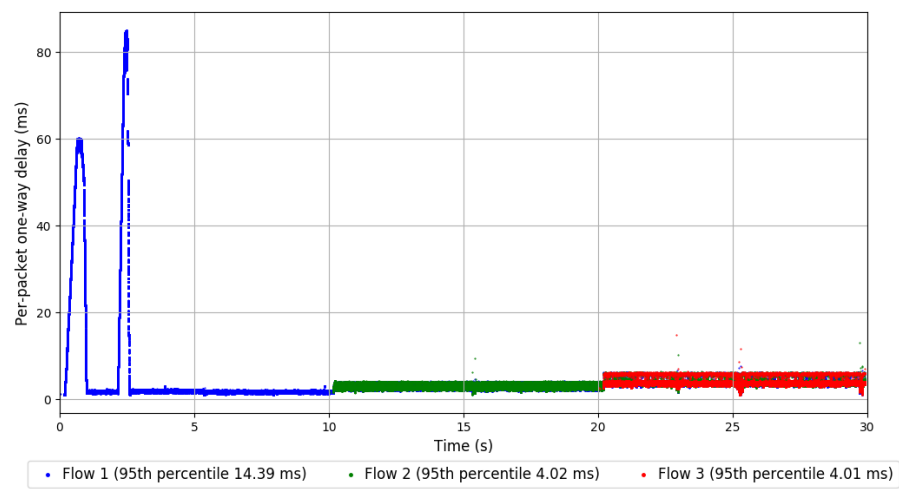
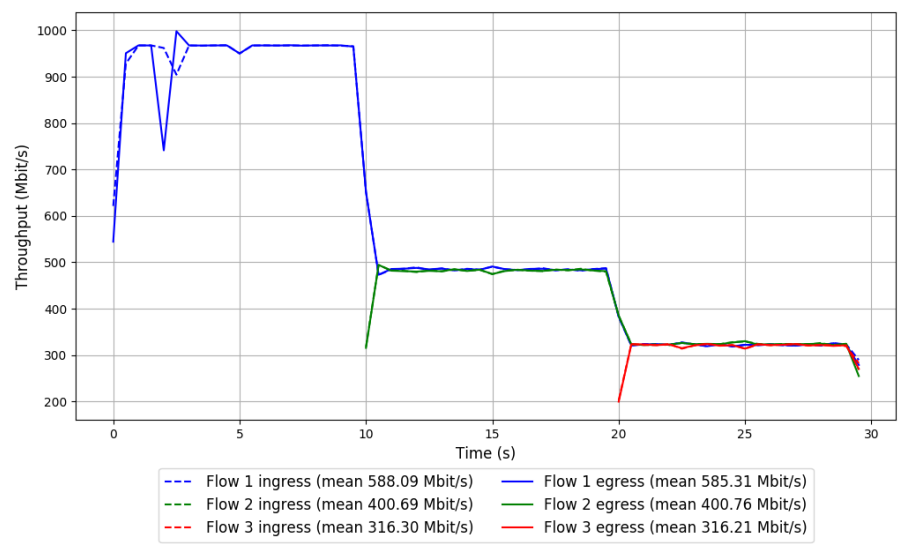
-- Flow 3:

Average throughput: 316.21 Mbit/s

95th percentile per-packet one-way delay: 4.014 ms

Loss rate: 0.23%

Run 3: Report of FillP — Data Link

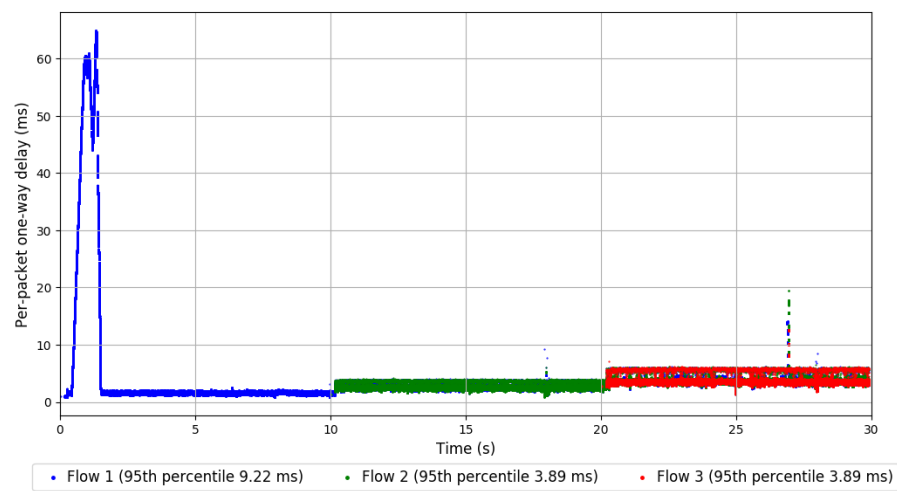
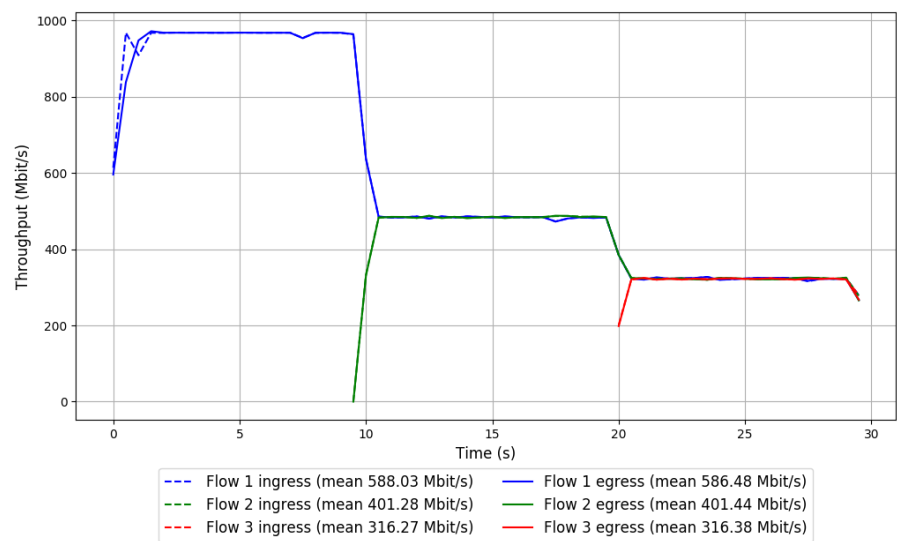


Run 4: Statistics of FillP

Start at: 2018-02-16 12:07:31
End at: 2018-02-16 12:08:01
Local clock offset: 0.204 ms
Remote clock offset: -5.227 ms

Below is generated by plot.py at 2018-02-16 21:40:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 958.36 Mbit/s
95th percentile per-packet one-way delay: 4.017 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 586.48 Mbit/s
95th percentile per-packet one-way delay: 9.217 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 401.44 Mbit/s
95th percentile per-packet one-way delay: 3.893 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.38 Mbit/s
95th percentile per-packet one-way delay: 3.888 ms
Loss rate: 0.23%

Run 4: Report of FillP — Data Link

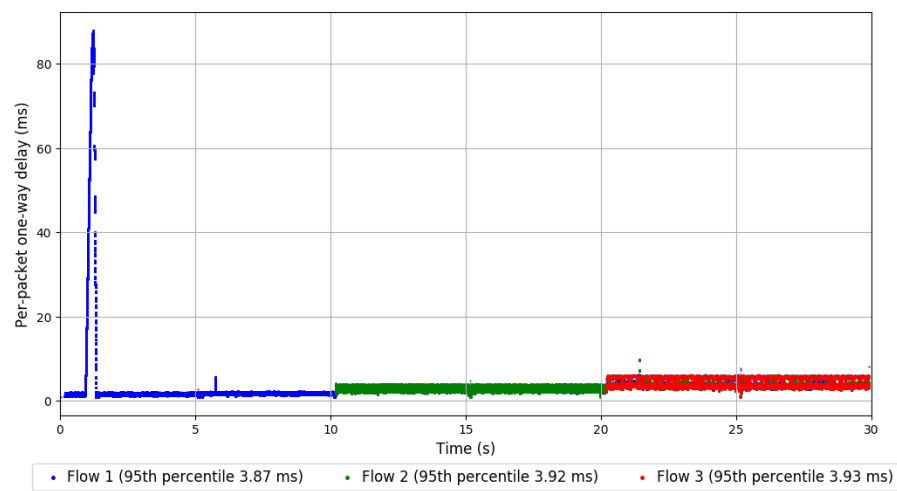
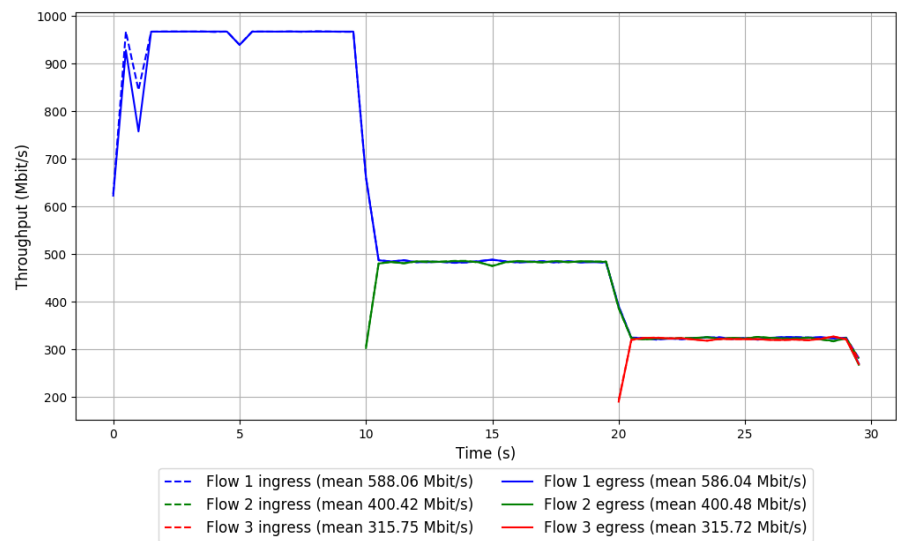


Run 5: Statistics of FillP

Start at: 2018-02-16 12:34:33
End at: 2018-02-16 12:35:03
Local clock offset: 0.252 ms
Remote clock offset: -4.852 ms

Below is generated by plot.py at 2018-02-16 21:41:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 956.81 Mbit/s
95th percentile per-packet one-way delay: 3.904 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 586.04 Mbit/s
95th percentile per-packet one-way delay: 3.870 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 400.48 Mbit/s
95th percentile per-packet one-way delay: 3.925 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 315.72 Mbit/s
95th percentile per-packet one-way delay: 3.930 ms
Loss rate: 0.22%

Run 5: Report of FillP — Data Link

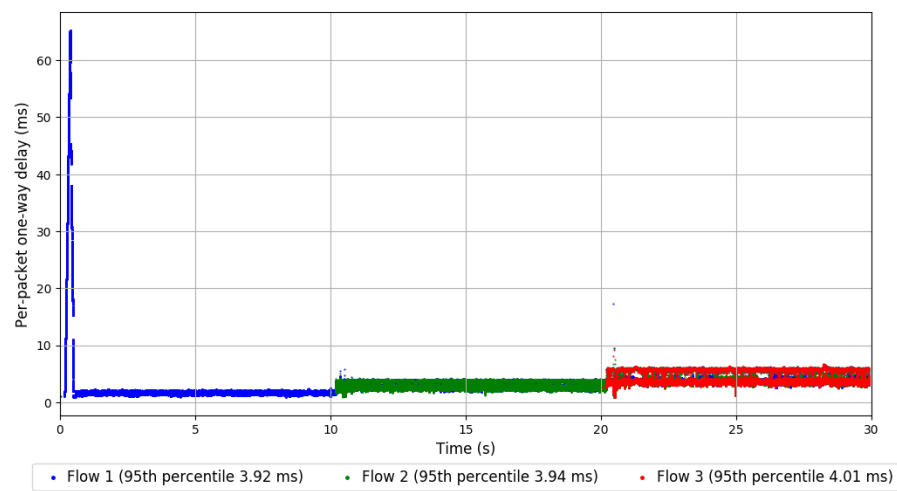
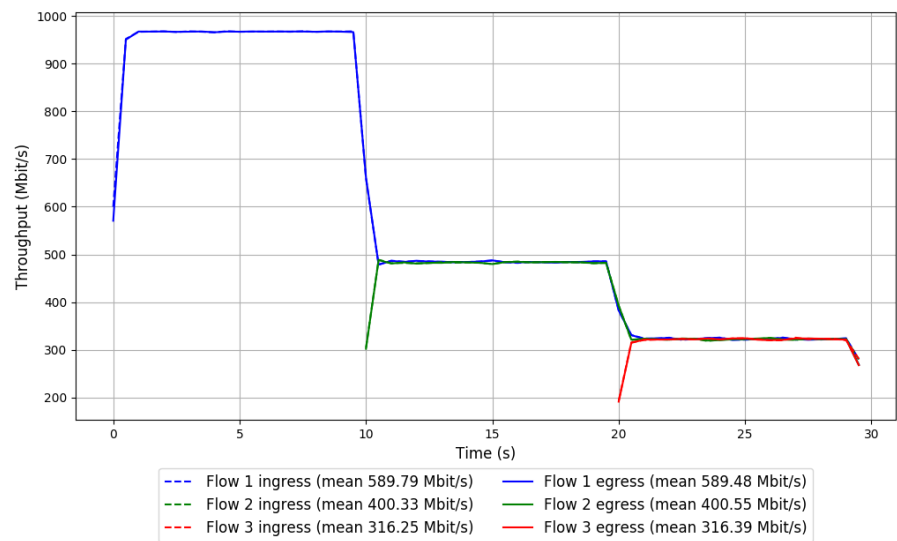


Run 6: Statistics of FillP

Start at: 2018-02-16 13:01:17
End at: 2018-02-16 13:01:47
Local clock offset: 0.303 ms
Remote clock offset: -6.153 ms

Below is generated by plot.py at 2018-02-16 21:42:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.40 Mbit/s
95th percentile per-packet one-way delay: 3.946 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 589.48 Mbit/s
95th percentile per-packet one-way delay: 3.916 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 400.55 Mbit/s
95th percentile per-packet one-way delay: 3.936 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.39 Mbit/s
95th percentile per-packet one-way delay: 4.010 ms
Loss rate: 0.24%

Run 6: Report of FillP — Data Link

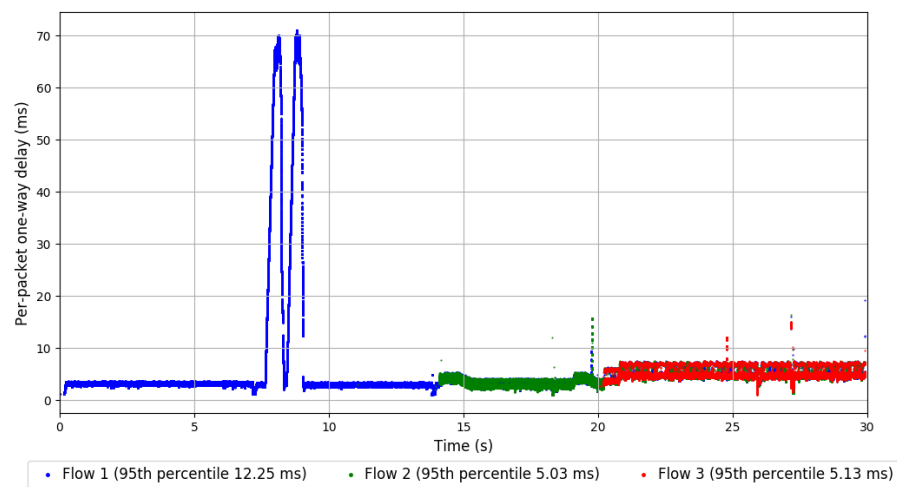
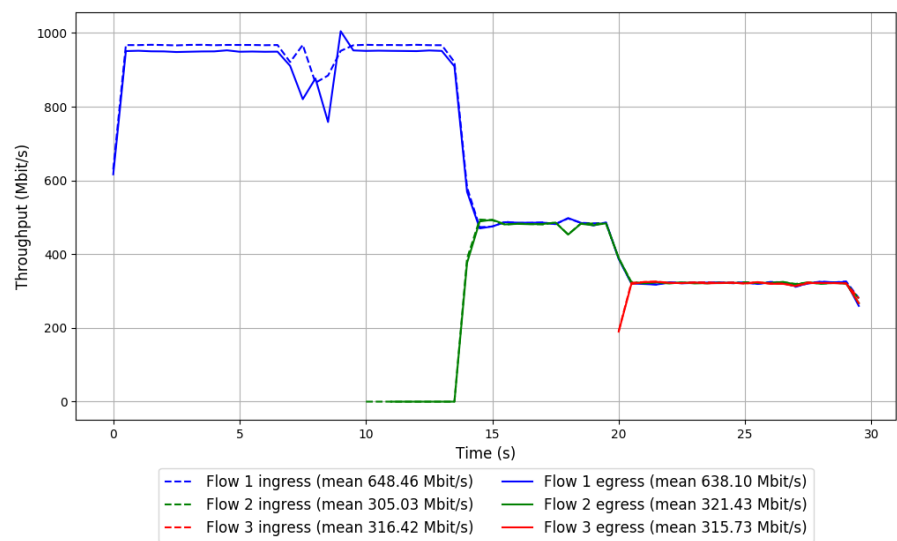


Run 7: Statistics of FillP

Start at: 2018-02-16 13:27:50
End at: 2018-02-16 13:28:20
Local clock offset: 0.254 ms
Remote clock offset: -7.686 ms

Below is generated by plot.py at 2018-02-16 21:42:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 944.84 Mbit/s
95th percentile per-packet one-way delay: 5.180 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 638.10 Mbit/s
95th percentile per-packet one-way delay: 12.248 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 321.43 Mbit/s
95th percentile per-packet one-way delay: 5.030 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 315.73 Mbit/s
95th percentile per-packet one-way delay: 5.135 ms
Loss rate: 0.40%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-16 13:54:49

End at: 2018-02-16 13:55:19

Local clock offset: 0.151 ms

Remote clock offset: -8.47 ms

Below is generated by plot.py at 2018-02-16 21:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 952.22 Mbit/s

95th percentile per-packet one-way delay: 5.345 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 599.81 Mbit/s

95th percentile per-packet one-way delay: 5.361 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 418.29 Mbit/s

95th percentile per-packet one-way delay: 5.325 ms

Loss rate: 1.19%

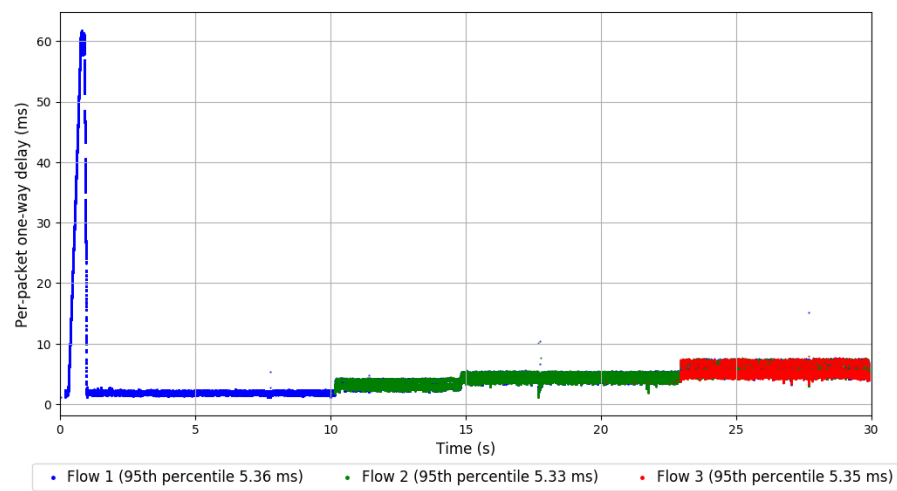
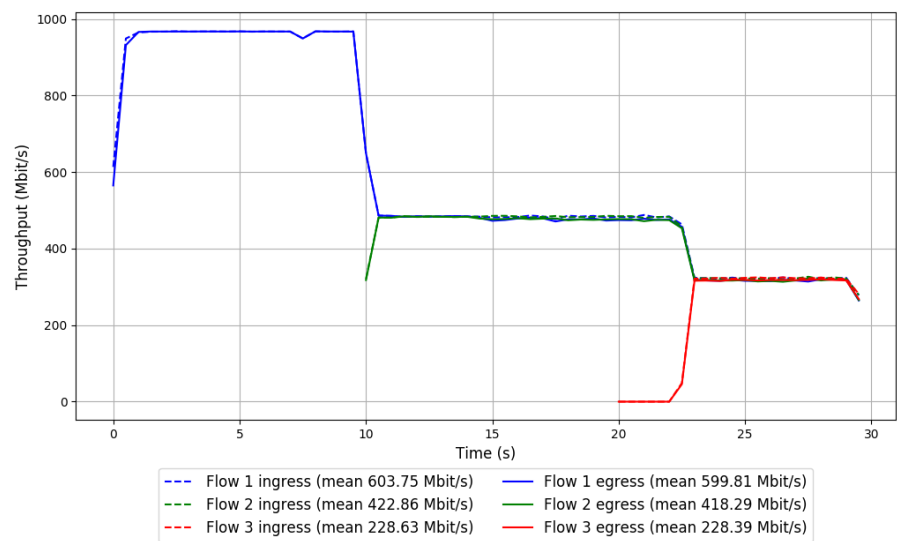
-- Flow 3:

Average throughput: 228.39 Mbit/s

95th percentile per-packet one-way delay: 5.351 ms

Loss rate: 1.86%

Run 8: Report of FillP — Data Link

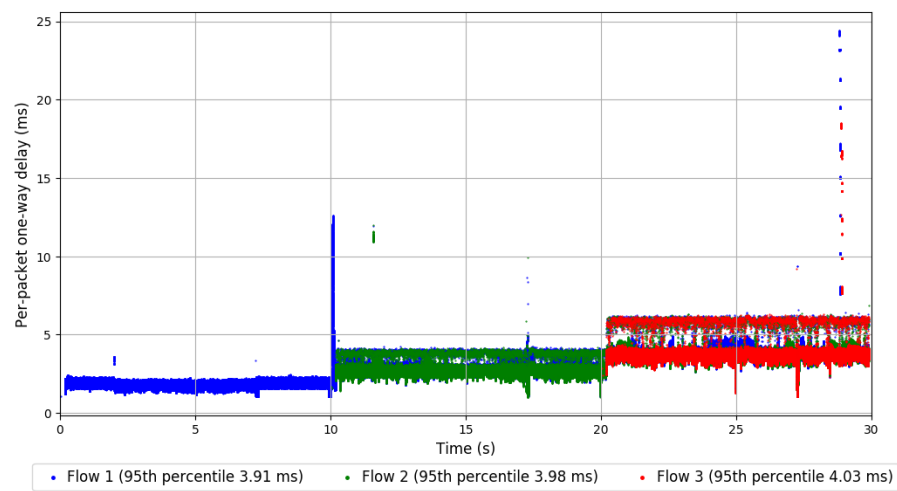
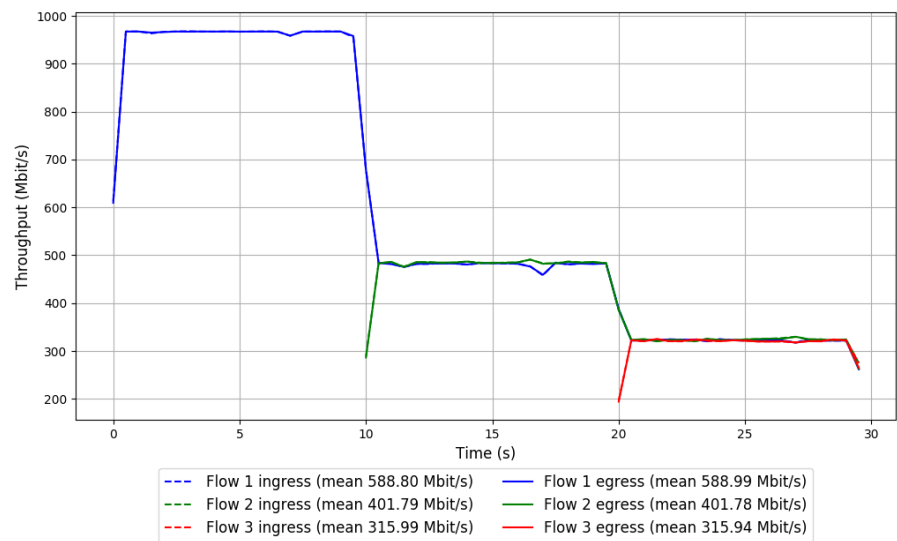


Run 9: Statistics of FillP

Start at: 2018-02-16 14:21:59
End at: 2018-02-16 14:22:29
Local clock offset: 0.299 ms
Remote clock offset: -7.167 ms

Below is generated by plot.py at 2018-02-16 21:53:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.22 Mbit/s
95th percentile per-packet one-way delay: 3.962 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 588.99 Mbit/s
95th percentile per-packet one-way delay: 3.909 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.78 Mbit/s
95th percentile per-packet one-way delay: 3.976 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.94 Mbit/s
95th percentile per-packet one-way delay: 4.034 ms
Loss rate: 0.21%

Run 9: Report of FillP — Data Link

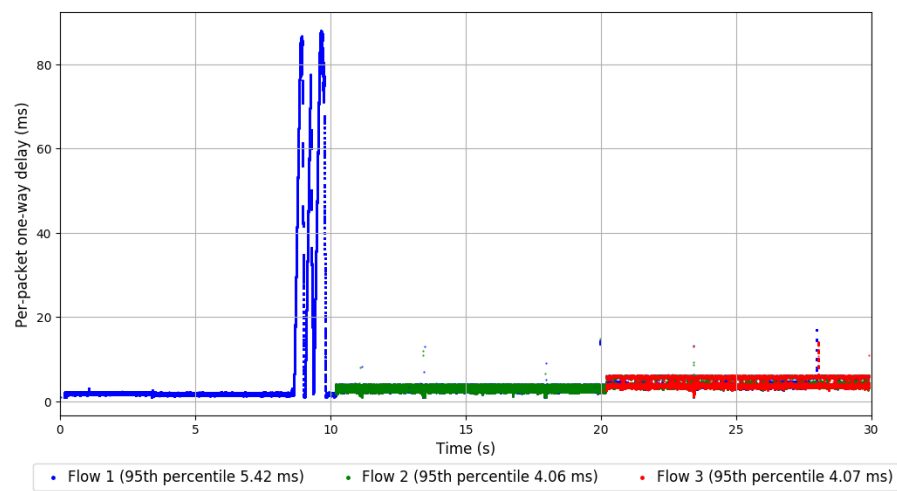
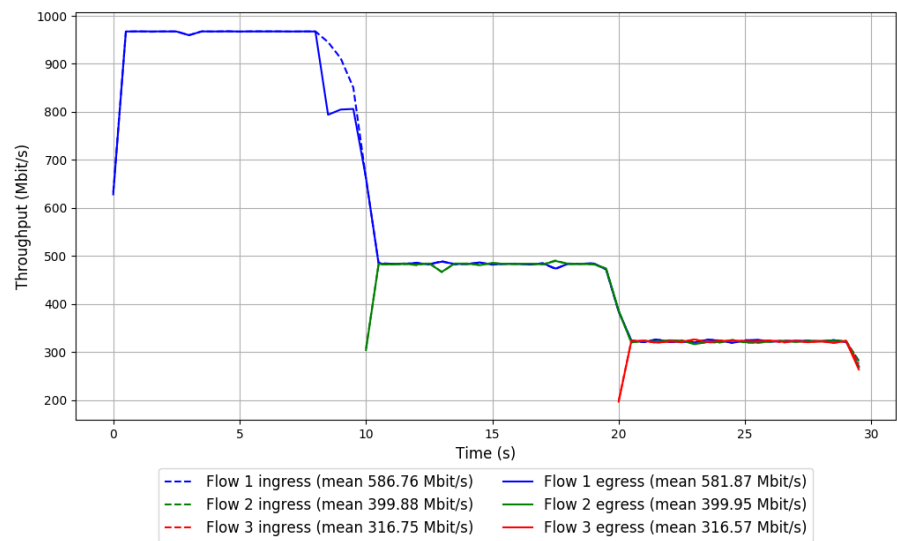


Run 10: Statistics of FillP

Start at: 2018-02-16 14:48:43
End at: 2018-02-16 14:49:13
Local clock offset: 0.188 ms
Remote clock offset: -5.305 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 952.44 Mbit/s
95th percentile per-packet one-way delay: 4.185 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 581.87 Mbit/s
95th percentile per-packet one-way delay: 5.419 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 399.95 Mbit/s
95th percentile per-packet one-way delay: 4.063 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.57 Mbit/s
95th percentile per-packet one-way delay: 4.067 ms
Loss rate: 0.24%

Run 10: Report of FillP — Data Link

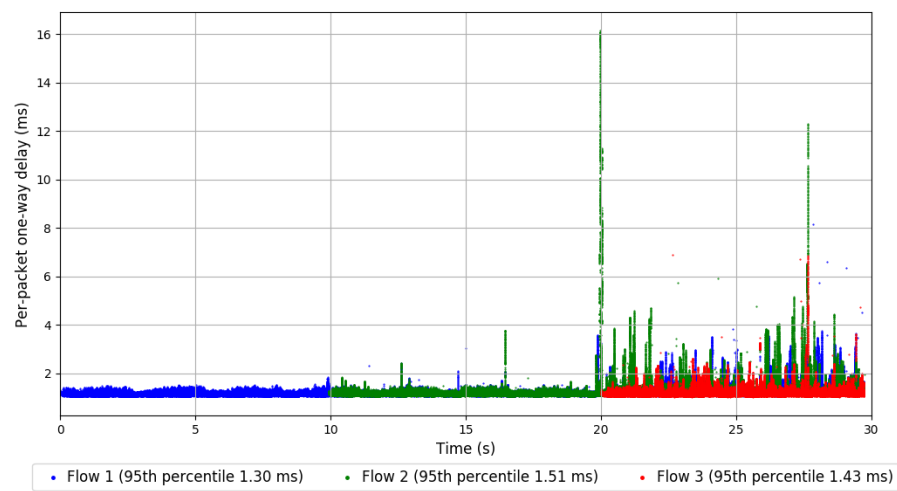
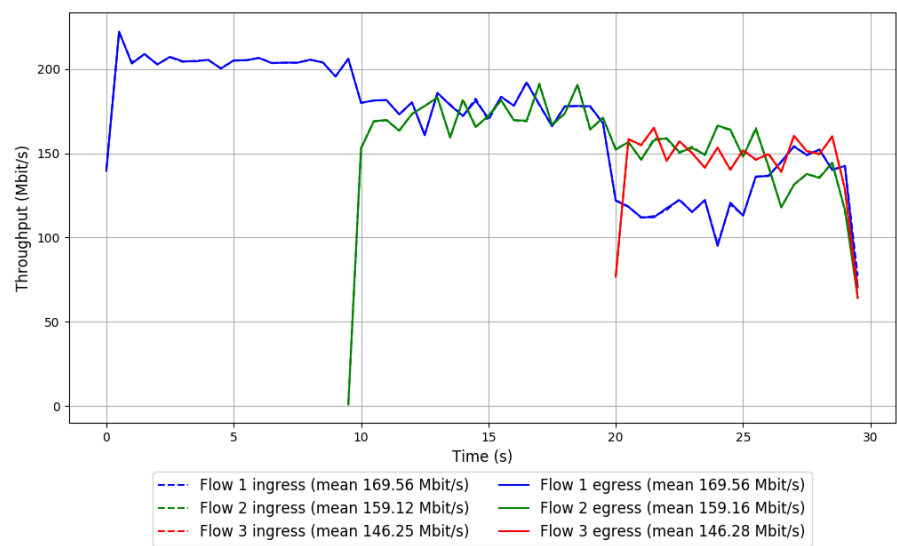


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-16 10:42:21
End at: 2018-02-16 10:42:51
Local clock offset: 0.114 ms
Remote clock offset: -6.546 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 323.42 Mbit/s
95th percentile per-packet one-way delay: 1.369 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 169.56 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 159.16 Mbit/s
95th percentile per-packet one-way delay: 1.513 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 146.28 Mbit/s
95th percentile per-packet one-way delay: 1.433 ms
Loss rate: 0.20%

Run 1: Report of Indigo-1-32 — Data Link

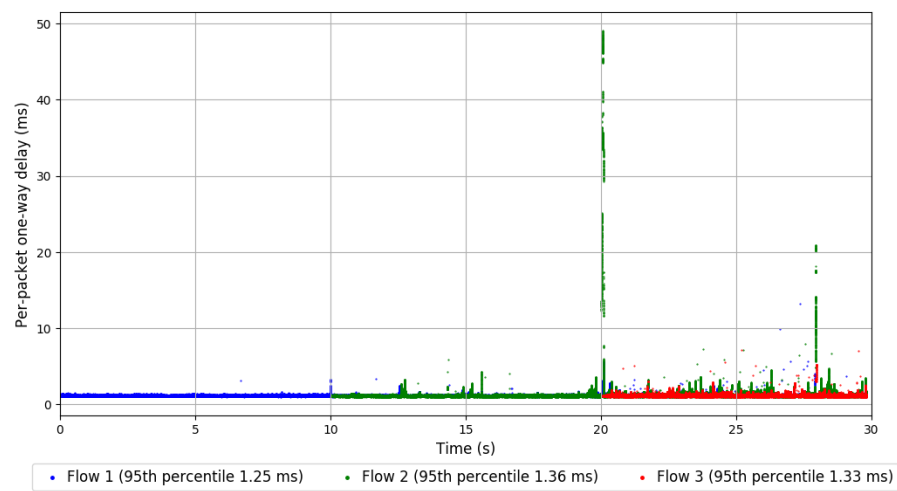
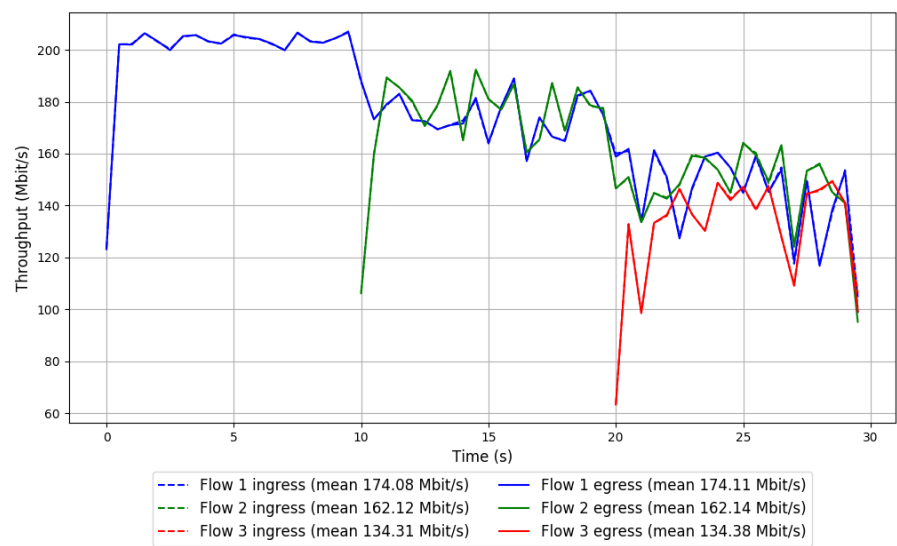


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-16 11:09:12
End at: 2018-02-16 11:09:42
Local clock offset: 0.558 ms
Remote clock offset: -6.634 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.69 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 174.11 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 162.14 Mbit/s
95th percentile per-packet one-way delay: 1.364 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 134.38 Mbit/s
95th percentile per-packet one-way delay: 1.331 ms
Loss rate: 0.27%

Run 2: Report of Indigo-1-32 — Data Link

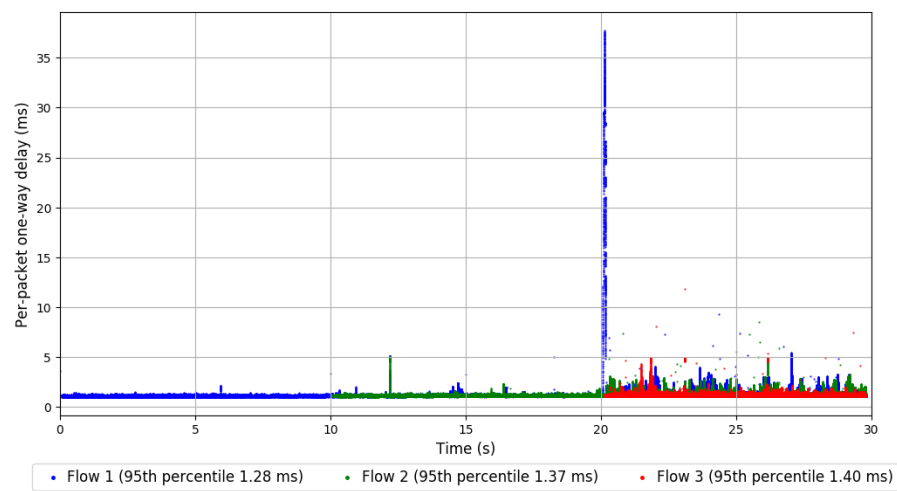
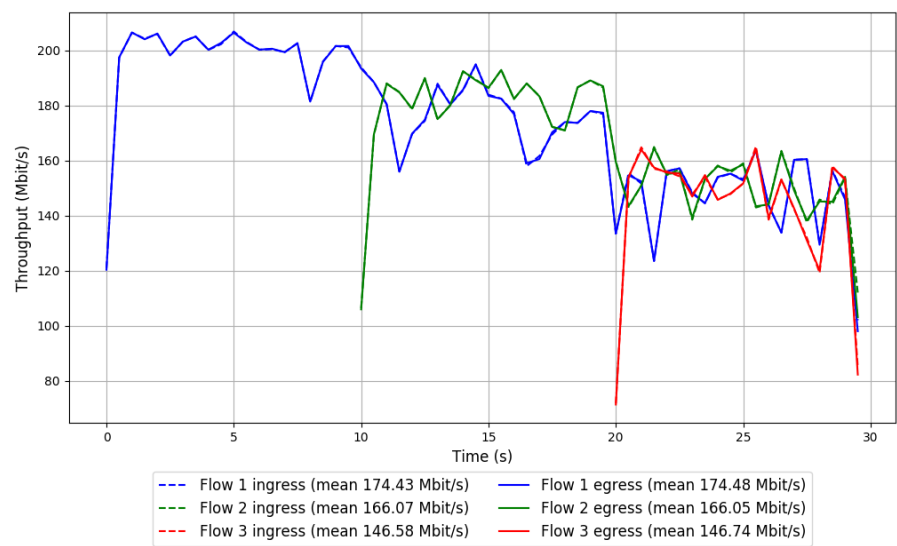


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-16 11:36:01
End at: 2018-02-16 11:36:31
Local clock offset: 0.18 ms
Remote clock offset: -6.911 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.41 Mbit/s
95th percentile per-packet one-way delay: 1.334 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 174.48 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 166.05 Mbit/s
95th percentile per-packet one-way delay: 1.366 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 146.74 Mbit/s
95th percentile per-packet one-way delay: 1.403 ms
Loss rate: 0.09%

Run 3: Report of Indigo-1-32 — Data Link

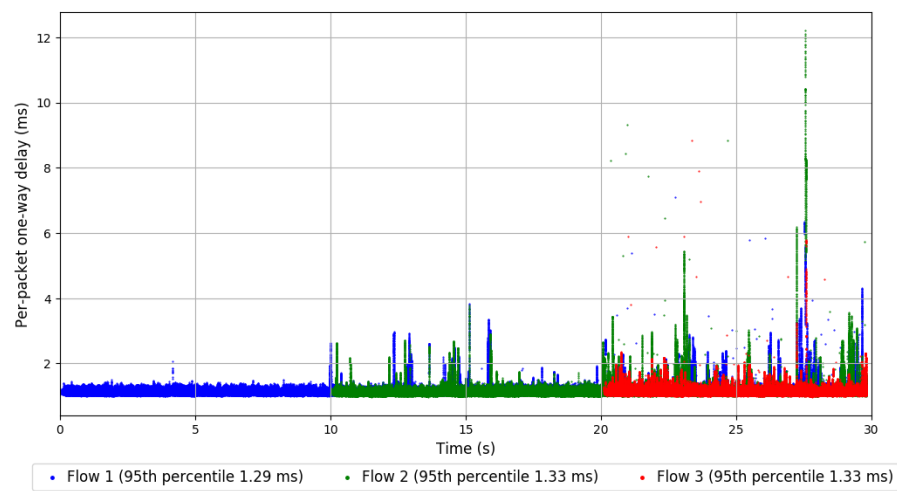
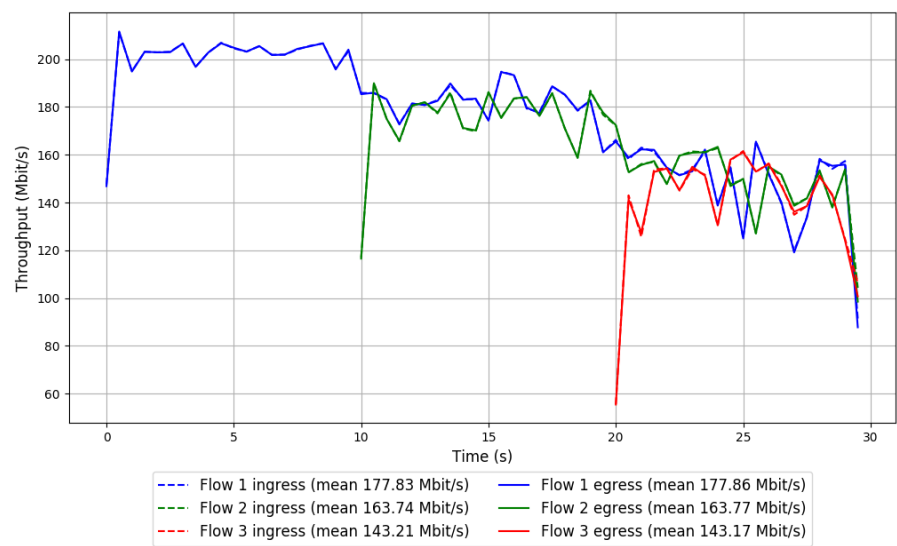


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-16 12:02:52
End at: 2018-02-16 12:03:22
Local clock offset: 0.266 ms
Remote clock offset: -5.408 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.24 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 177.86 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 163.77 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 143.17 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.22%

Run 4: Report of Indigo-1-32 — Data Link



Run 5: Statistics of Indigo-1-32

Start at: 2018-02-16 12:29:53

End at: 2018-02-16 12:30:23

Local clock offset: 0.262 ms

Remote clock offset: -4.92 ms

Below is generated by plot.py at 2018-02-16 21:53:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.92 Mbit/s

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

Loss rate: 0.09%

-- Flow 1:

Average throughput: 178.90 Mbit/s

95th percentile per-packet one-way delay: 1.201 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 164.29 Mbit/s

95th percentile per-packet one-way delay: 1.275 ms

Loss rate: 0.08%

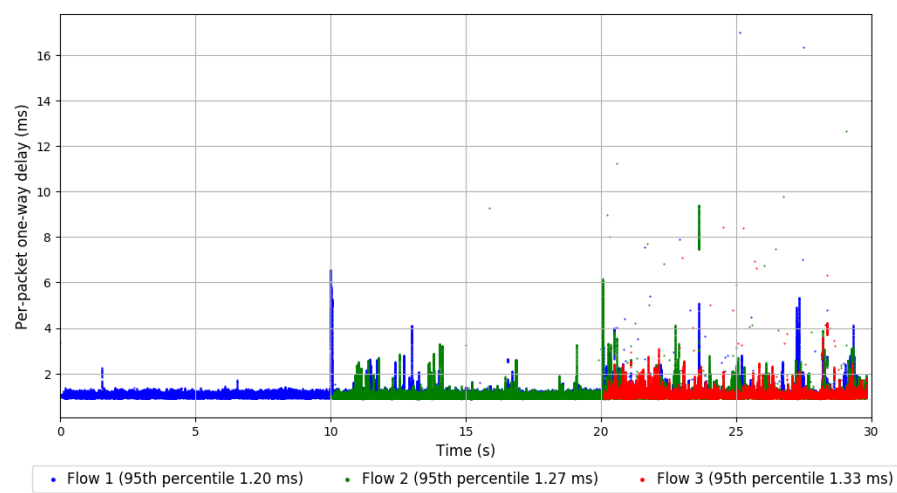
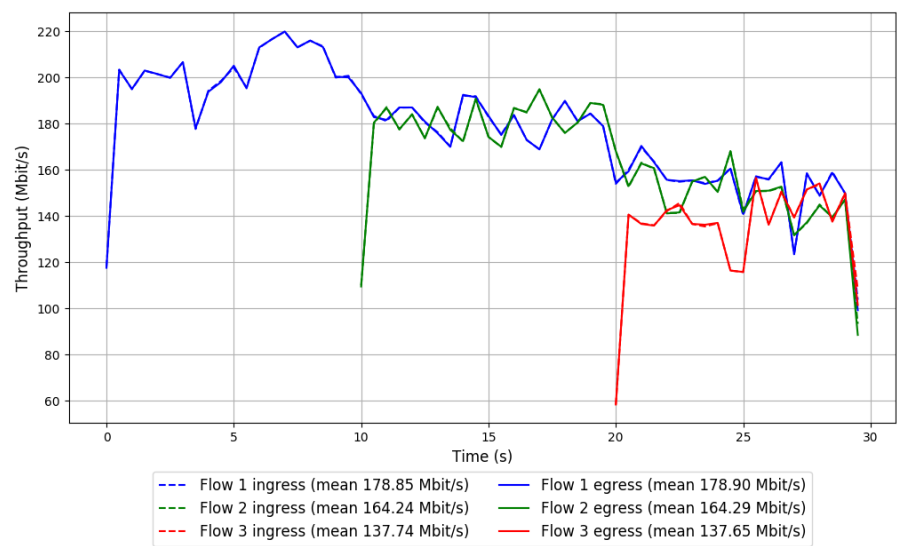
-- Flow 3:

Average throughput: 137.65 Mbit/s

95th percentile per-packet one-way delay: 1.327 ms

Loss rate: 0.26%

Run 5: Report of Indigo-1-32 — Data Link

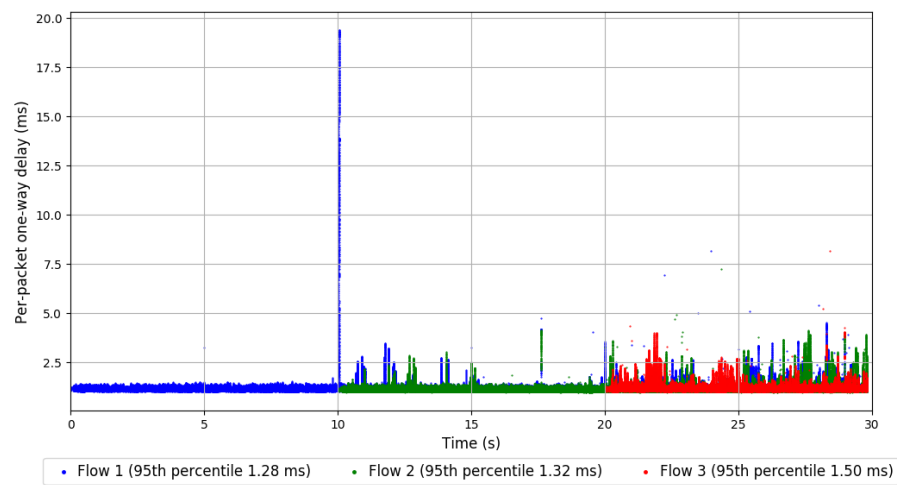
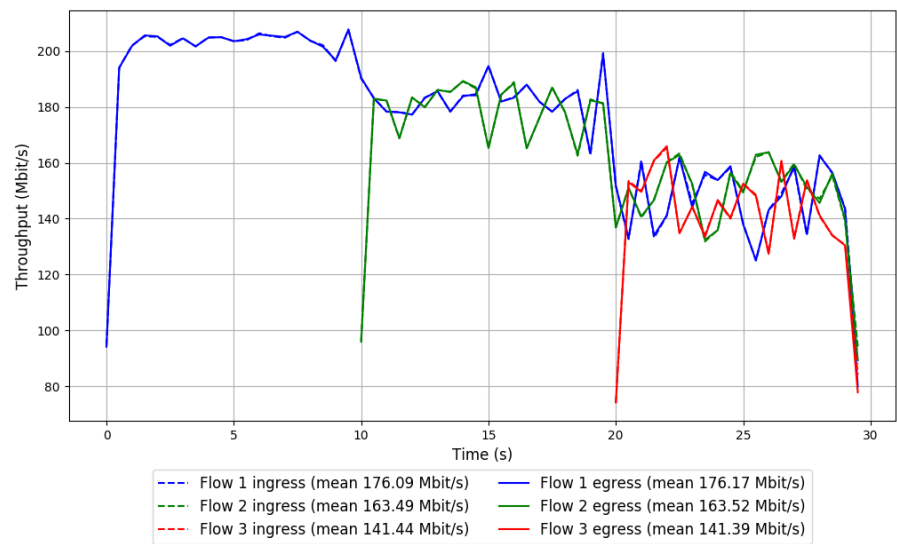


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-16 12:56:38
End at: 2018-02-16 12:57:08
Local clock offset: 0.385 ms
Remote clock offset: -5.979 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.74 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 176.17 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 163.52 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 141.39 Mbit/s
95th percentile per-packet one-way delay: 1.499 ms
Loss rate: 0.25%

Run 6: Report of Indigo-1-32 — Data Link

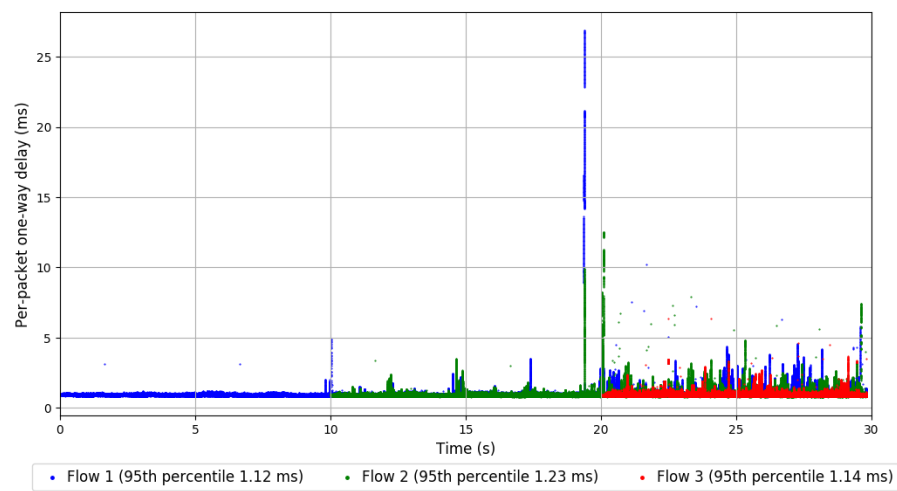
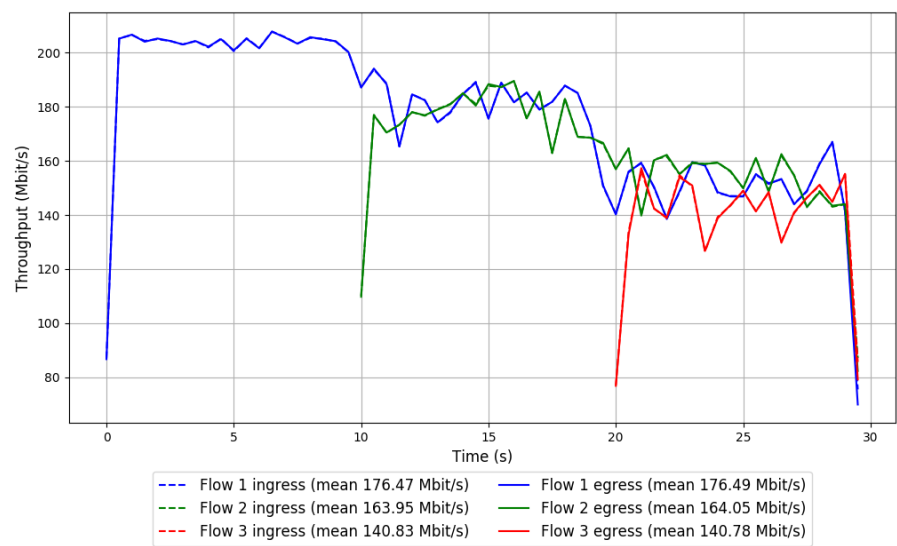


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-16 13:23:08
End at: 2018-02-16 13:23:38
Local clock offset: 0.175 ms
Remote clock offset: -7.165 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.48 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 176.49 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 164.05 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 140.78 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.24%

Run 7: Report of Indigo-1-32 — Data Link

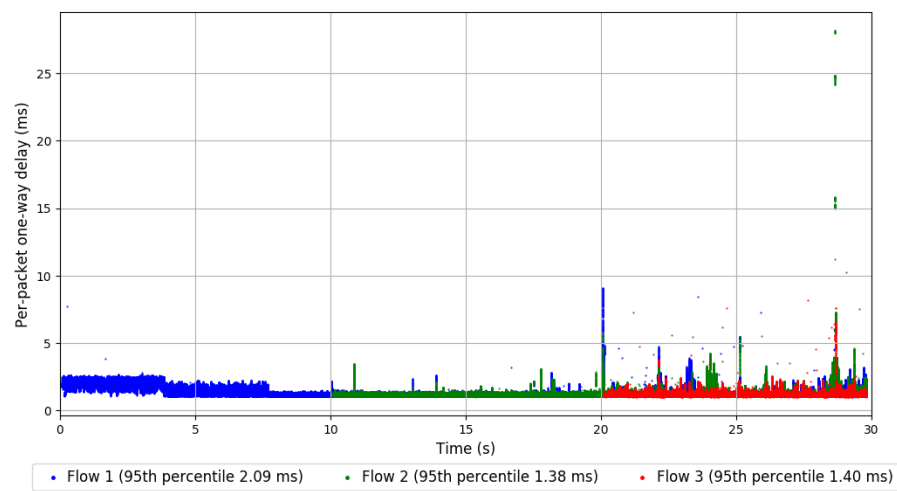
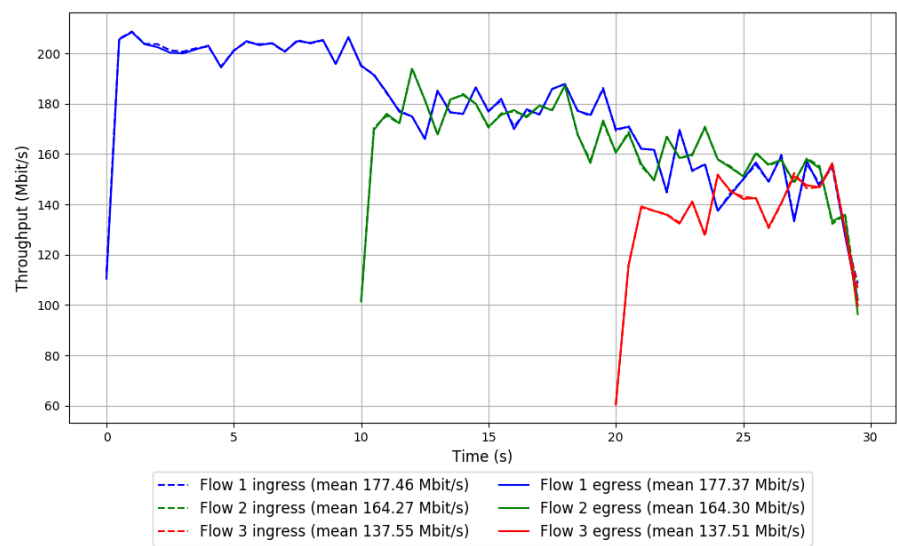


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-16 13:50:08
End at: 2018-02-16 13:50:38
Local clock offset: 0.172 ms
Remote clock offset: -8.798 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.26 Mbit/s
95th percentile per-packet one-way delay: 1.941 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 177.37 Mbit/s
95th percentile per-packet one-way delay: 2.086 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 164.30 Mbit/s
95th percentile per-packet one-way delay: 1.379 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 137.51 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.27%

Run 8: Report of Indigo-1-32 — Data Link

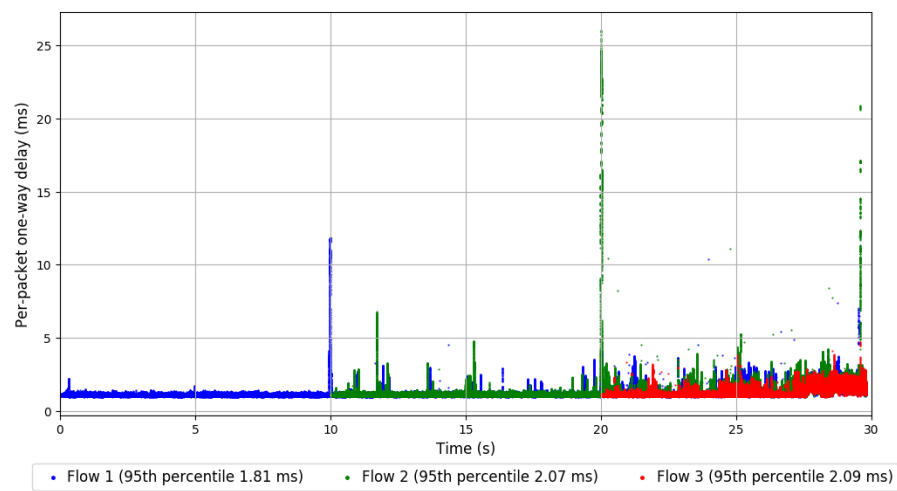
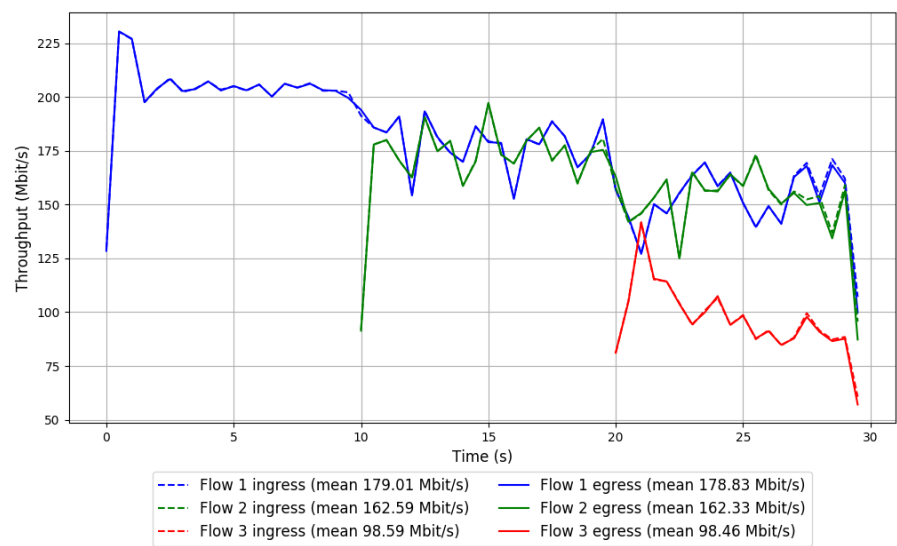


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-16 14:17:10
End at: 2018-02-16 14:17:40
Local clock offset: 0.233 ms
Remote clock offset: -7.196 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.94 Mbit/s
95th percentile per-packet one-way delay: 1.944 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 178.83 Mbit/s
95th percentile per-packet one-way delay: 1.810 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 162.33 Mbit/s
95th percentile per-packet one-way delay: 2.072 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 98.46 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.42%

Run 9: Report of Indigo-1-32 — Data Link

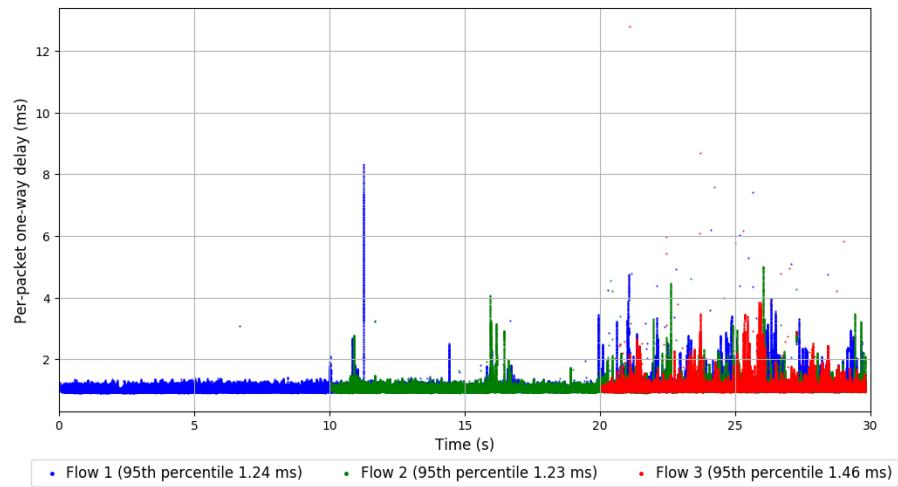
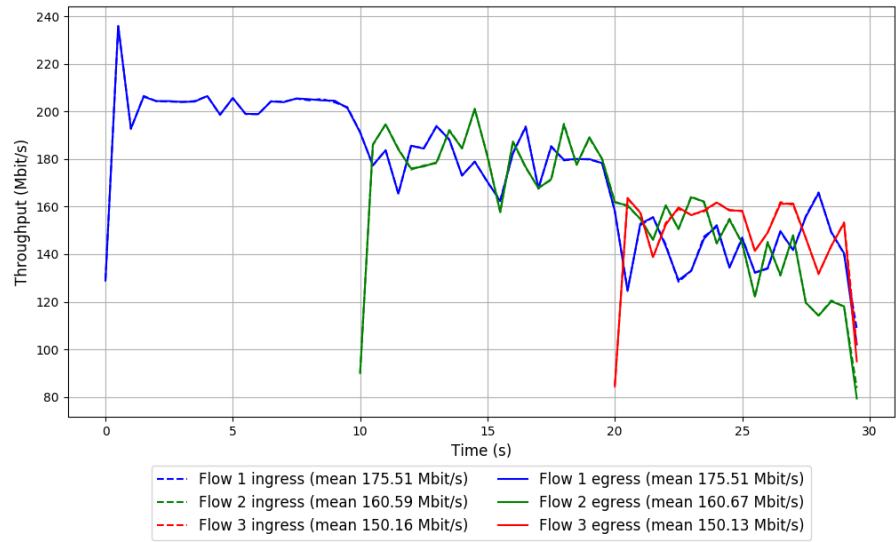


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-16 14:44:00
End at: 2018-02-16 14:44:30
Local clock offset: 0.31 ms
Remote clock offset: -5.386 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.13 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.51 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 160.67 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 150.13 Mbit/s
95th percentile per-packet one-way delay: 1.458 ms
Loss rate: 0.22%

Run 10: Report of Indigo-1-32 — Data Link

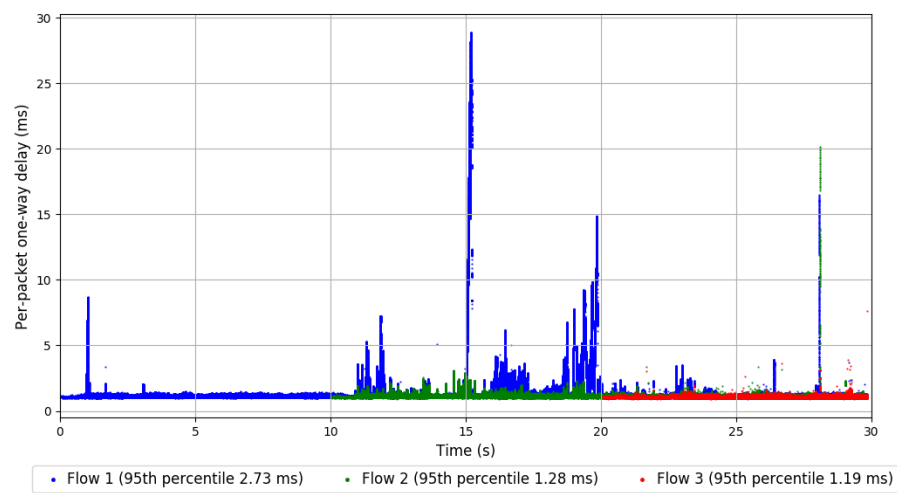
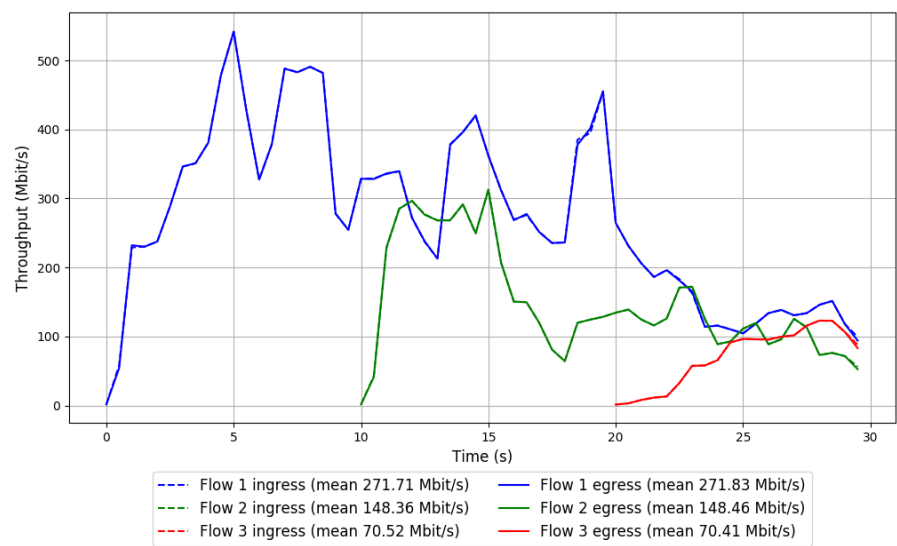


Run 1: Statistics of Vivace-latency

Start at: 2018-02-16 10:45:31
End at: 2018-02-16 10:46:01
Local clock offset: 0.126 ms
Remote clock offset: -6.463 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 393.49 Mbit/s
95th percentile per-packet one-way delay: 1.993 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 271.83 Mbit/s
95th percentile per-packet one-way delay: 2.725 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 148.46 Mbit/s
95th percentile per-packet one-way delay: 1.281 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 70.41 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.37%

Run 1: Report of Vivace-latency — Data Link

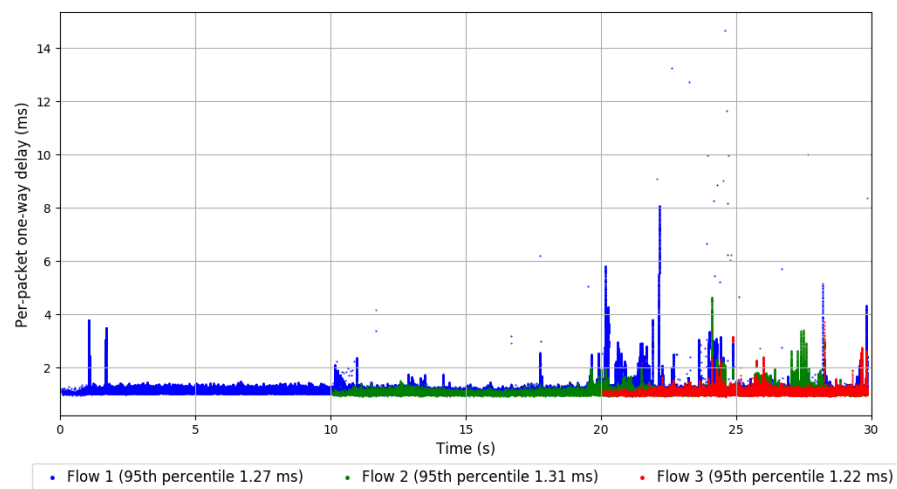
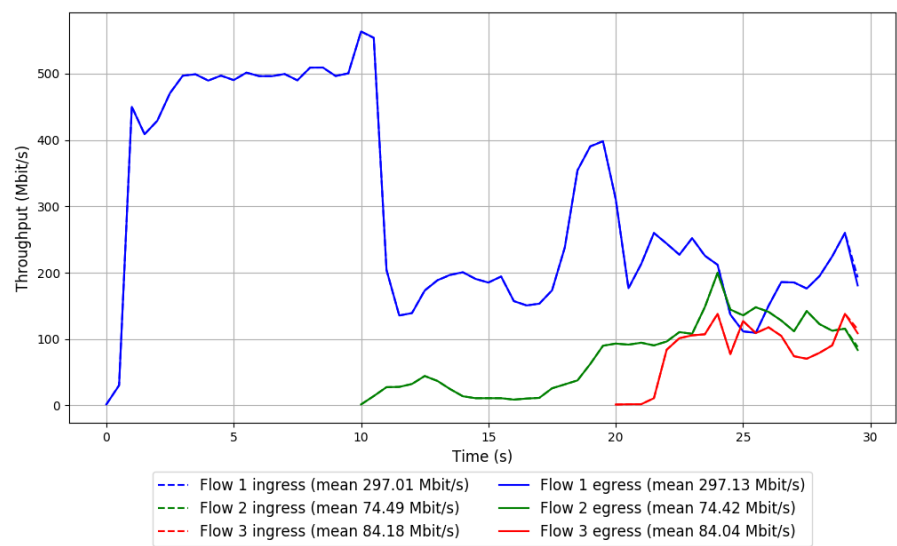


Run 2: Statistics of Vivace-latency

Start at: 2018-02-16 11:12:18
End at: 2018-02-16 11:12:48
Local clock offset: 0.559 ms
Remote clock offset: -6.731 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.11 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 297.13 Mbit/s
95th percentile per-packet one-way delay: 1.272 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 74.42 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 84.04 Mbit/s
95th percentile per-packet one-way delay: 1.218 ms
Loss rate: 0.38%

Run 2: Report of Vivace-latency — Data Link

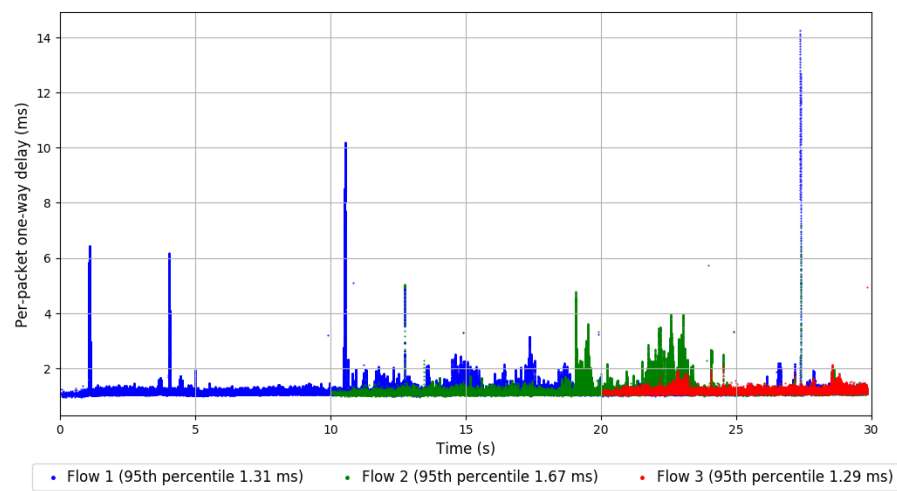
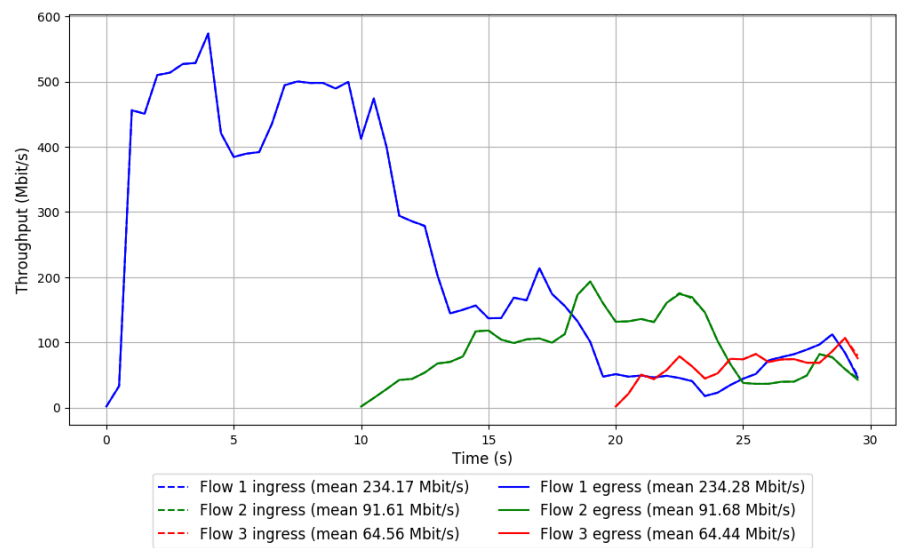


Run 3: Statistics of Vivace-latency

Start at: 2018-02-16 11:39:05
End at: 2018-02-16 11:39:35
Local clock offset: 0.14 ms
Remote clock offset: -6.539 ms

Below is generated by plot.py at 2018-02-16 21:53:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.32 Mbit/s
95th percentile per-packet one-way delay: 1.370 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 234.28 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 1.674 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.33%

Run 3: Report of Vivace-latency — Data Link

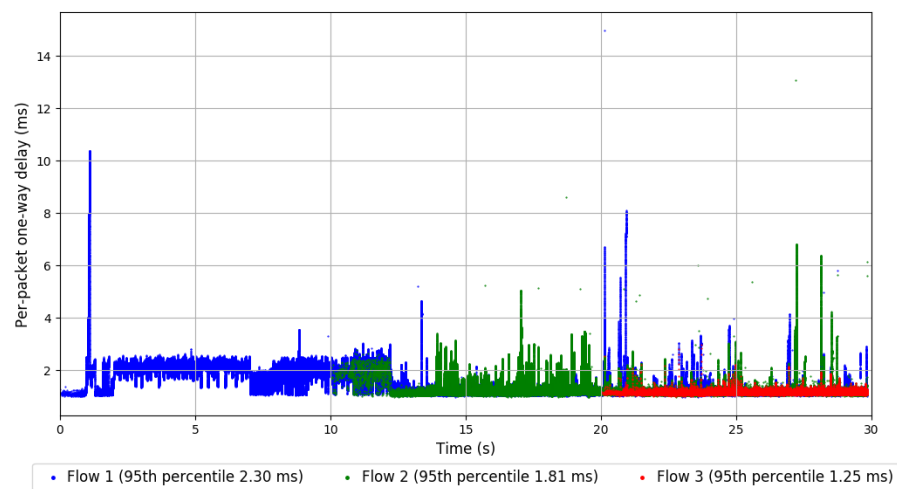
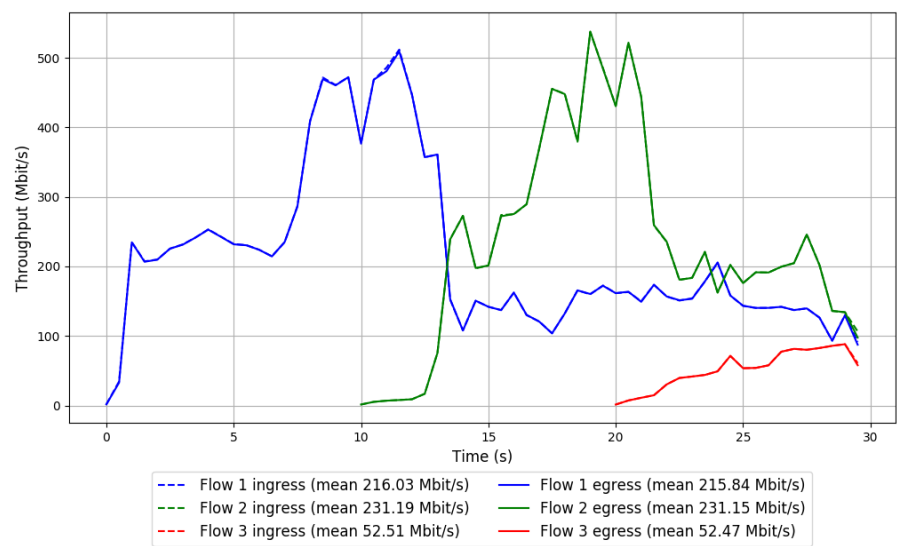


Run 4: Statistics of Vivace-latency

Start at: 2018-02-16 12:06:00
End at: 2018-02-16 12:06:30
Local clock offset: 0.313 ms
Remote clock offset: -5.348 ms

Below is generated by plot.py at 2018-02-16 21:55:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 386.61 Mbit/s
95th percentile per-packet one-way delay: 2.250 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 215.84 Mbit/s
95th percentile per-packet one-way delay: 2.297 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 231.15 Mbit/s
95th percentile per-packet one-way delay: 1.810 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 52.47 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.31%

Run 4: Report of Vivace-latency — Data Link

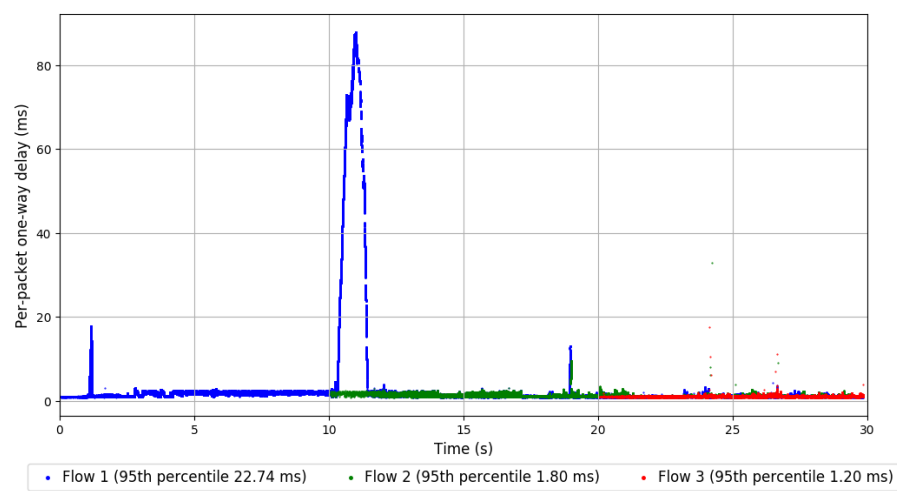
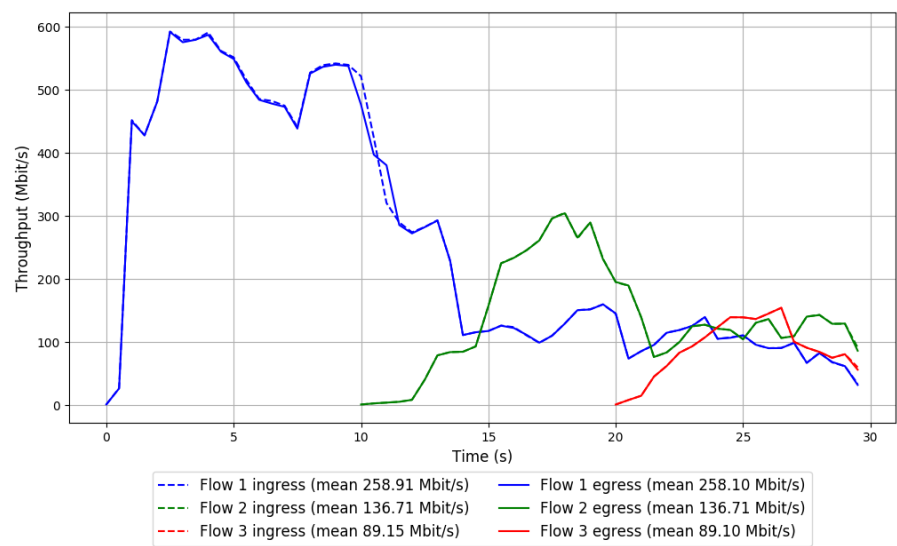


Run 5: Statistics of Vivace-latency

Start at: 2018-02-16 12:33:03
End at: 2018-02-16 12:33:33
Local clock offset: 0.271 ms
Remote clock offset: -4.826 ms

Below is generated by plot.py at 2018-02-16 21:56:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.18 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 258.10 Mbit/s
95th percentile per-packet one-way delay: 22.743 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 136.71 Mbit/s
95th percentile per-packet one-way delay: 1.802 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.22%

Run 5: Report of Vivace-latency — Data Link

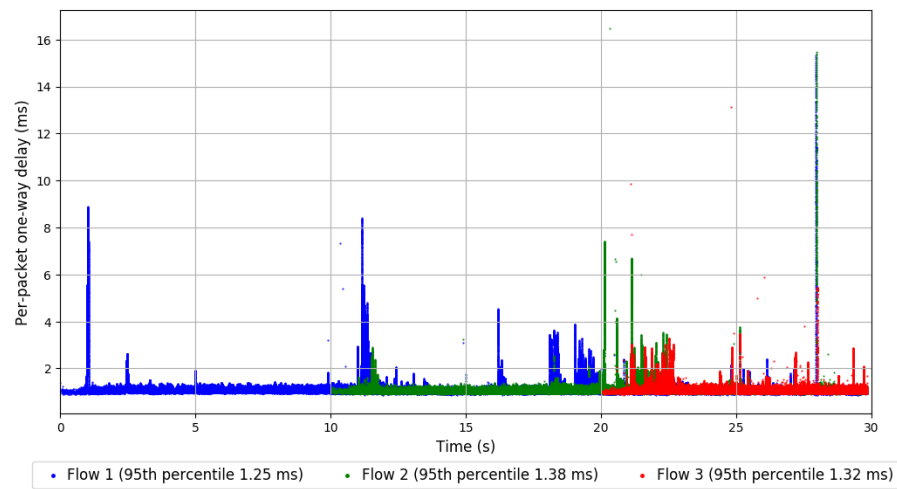
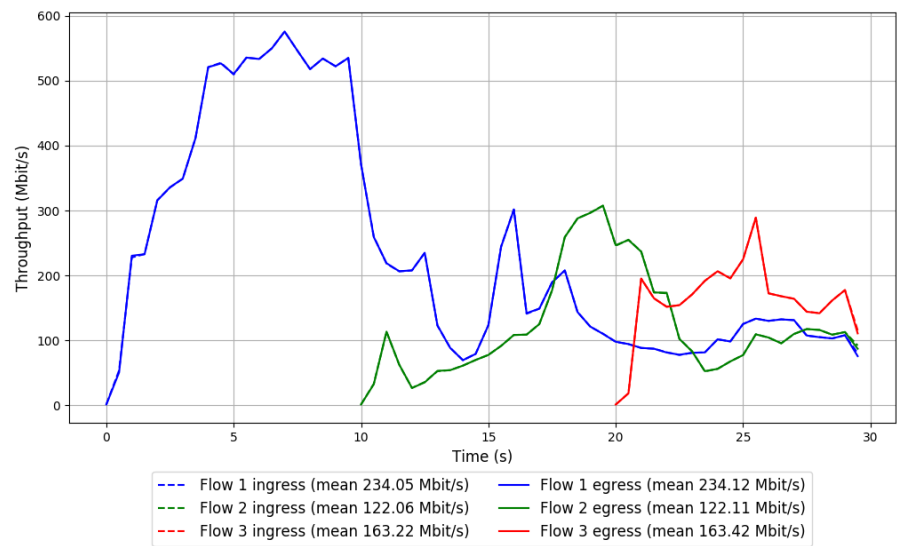


Run 6: Statistics of Vivace-latency

Start at: 2018-02-16 12:59:47
End at: 2018-02-16 13:00:17
Local clock offset: 0.391 ms
Remote clock offset: -6.045 ms

Below is generated by plot.py at 2018-02-16 21:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.96 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 234.12 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 122.11 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 163.42 Mbit/s
95th percentile per-packet one-way delay: 1.322 ms
Loss rate: 0.16%

Run 6: Report of Vivace-latency — Data Link

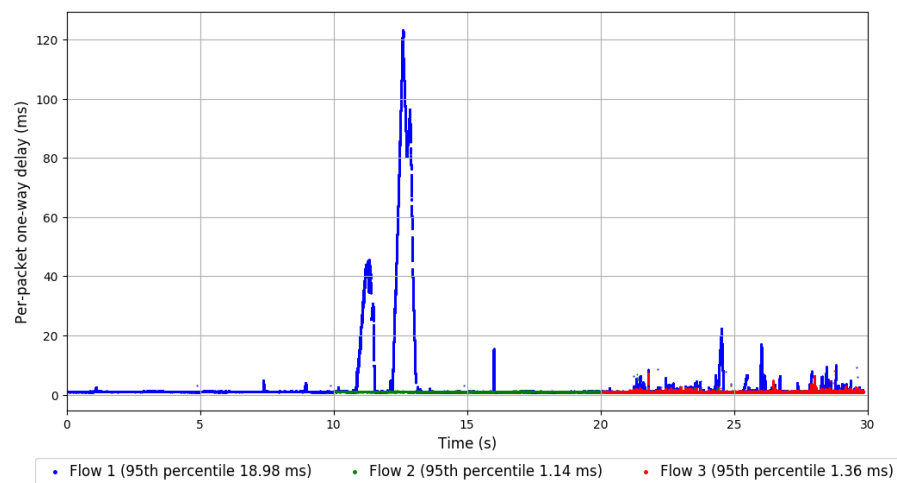
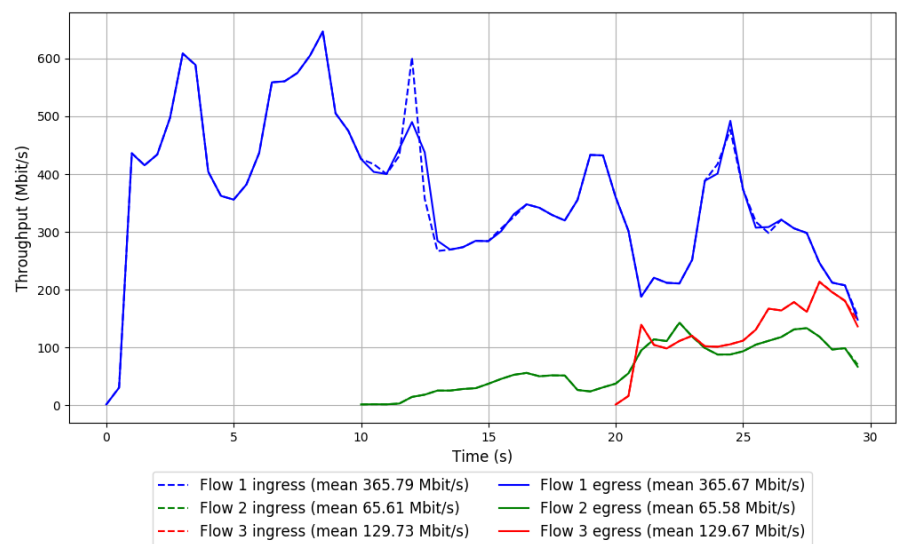


Run 7: Statistics of Vivace-latency

Start at: 2018-02-16 13:26:16
End at: 2018-02-16 13:26:46
Local clock offset: 0.257 ms
Remote clock offset: -7.459 ms

Below is generated by plot.py at 2018-02-16 21:59:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 451.81 Mbit/s
95th percentile per-packet one-way delay: 11.075 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 365.67 Mbit/s
95th percentile per-packet one-way delay: 18.984 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 65.58 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 129.67 Mbit/s
95th percentile per-packet one-way delay: 1.362 ms
Loss rate: 0.40%

Run 7: Report of Vivace-latency — Data Link

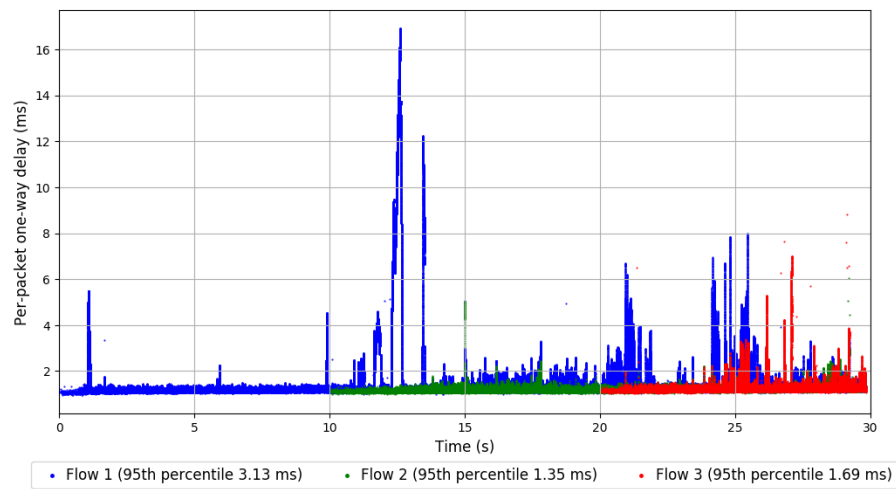
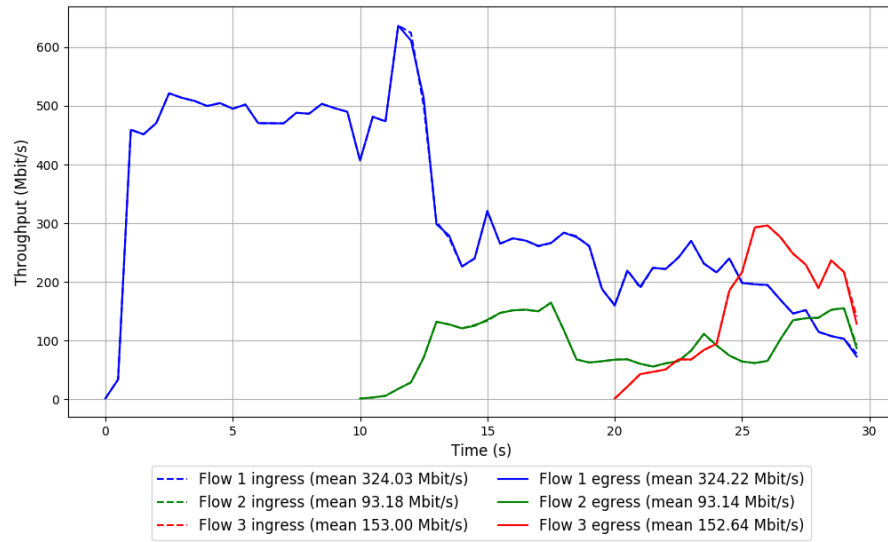


Run 8: Statistics of Vivace-latency

Start at: 2018-02-16 13:53:16
End at: 2018-02-16 13:53:46
Local clock offset: 0.154 ms
Remote clock offset: -8.693 ms

```
# Below is generated by plot.py at 2018-02-16 21:59:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 436.23 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 324.22 Mbit/s
95th percentile per-packet one-way delay: 3.135 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 152.64 Mbit/s
95th percentile per-packet one-way delay: 1.691 ms
Loss rate: 0.43%
```

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-02-16 14:20:27

End at: 2018-02-16 14:20:57

Local clock offset: 0.306 ms

Remote clock offset: -7.18 ms

Below is generated by plot.py at 2018-02-16 21:59:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 406.00 Mbit/s

95th percentile per-packet one-way delay: 1.565 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 293.74 Mbit/s

95th percentile per-packet one-way delay: 1.886 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 130.67 Mbit/s

95th percentile per-packet one-way delay: 1.357 ms

Loss rate: 0.21%

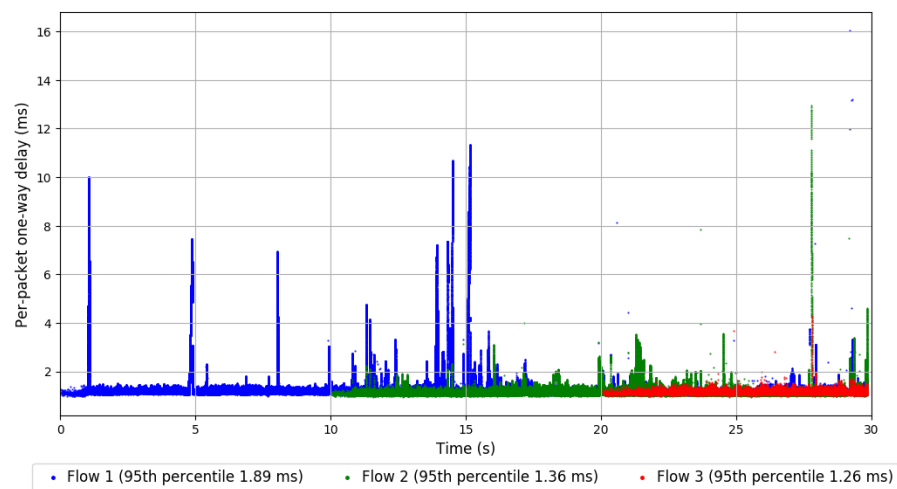
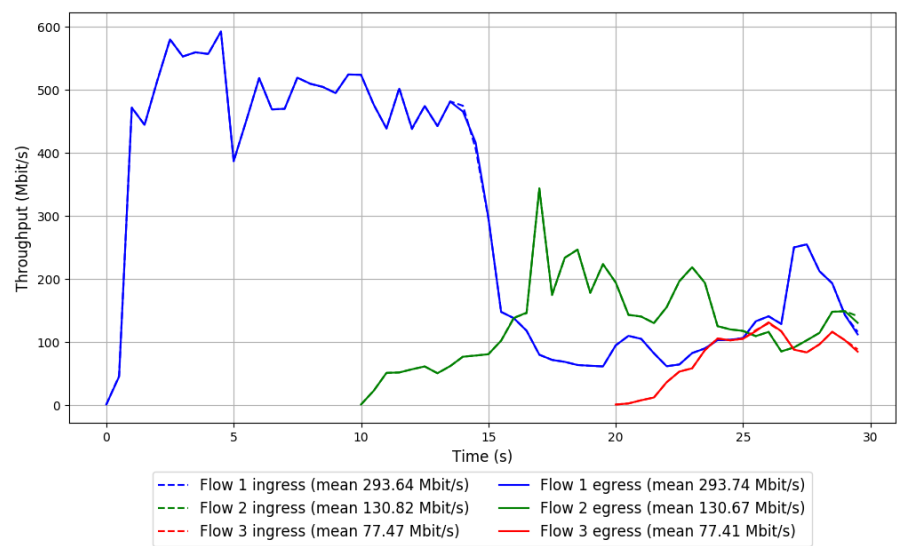
-- Flow 3:

Average throughput: 77.41 Mbit/s

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

Loss rate: 0.25%

Run 9: Report of Vivace-latency — Data Link

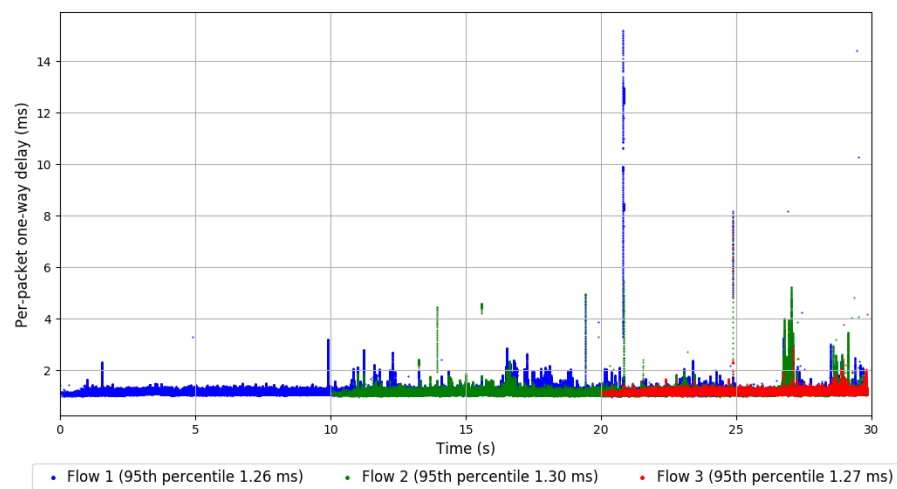
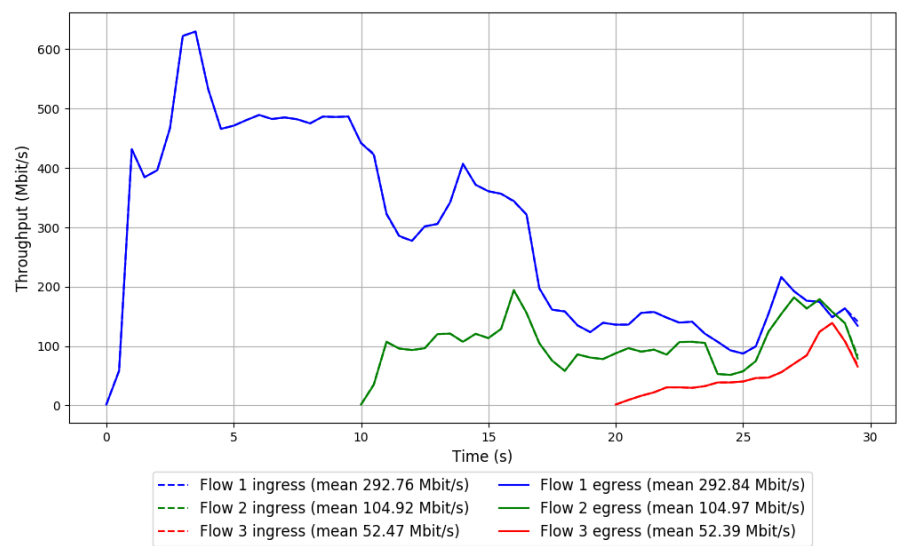


Run 10: Statistics of Vivace-latency

Start at: 2018-02-16 14:47:12
End at: 2018-02-16 14:47:42
Local clock offset: 0.258 ms
Remote clock offset: -5.307 ms

Below is generated by plot.py at 2018-02-16 21:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.79 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 292.84 Mbit/s
95th percentile per-packet one-way delay: 1.263 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 104.97 Mbit/s
95th percentile per-packet one-way delay: 1.297 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 1.269 ms
Loss rate: 0.32%

Run 10: Report of Vivace-latency — Data Link

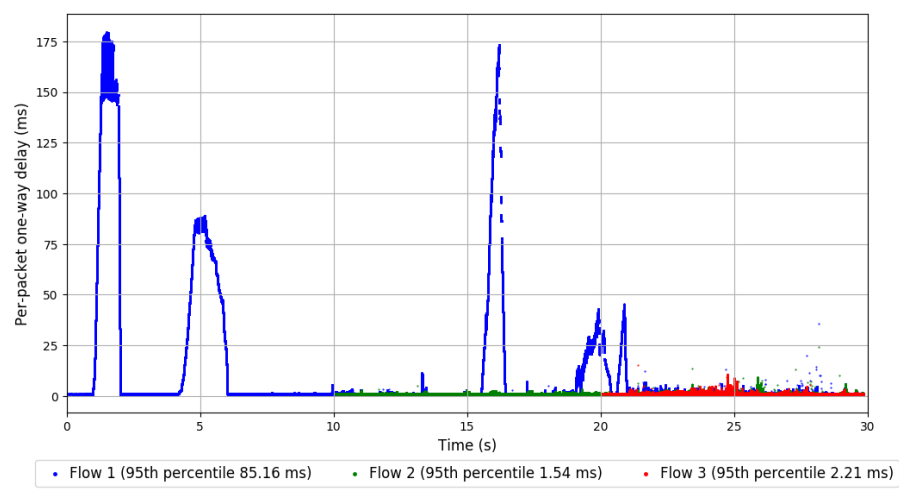
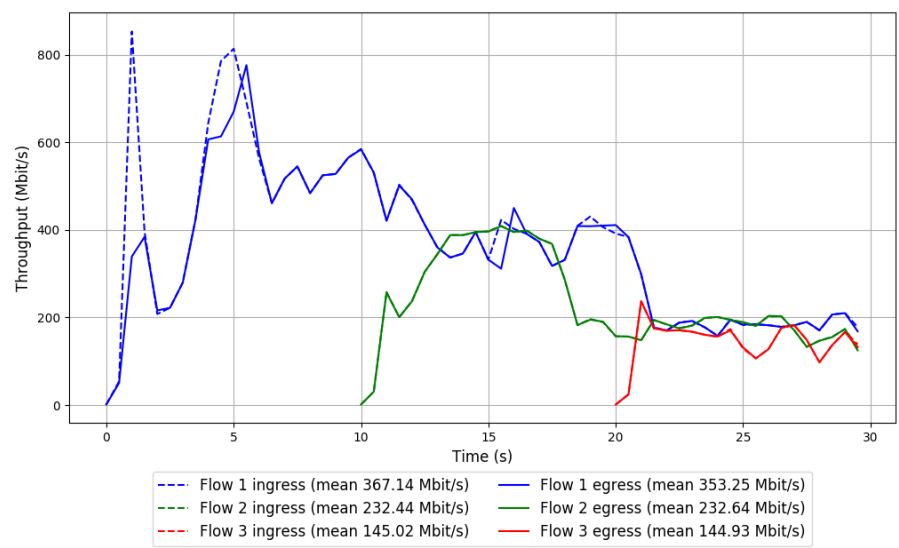


Run 1: Statistics of Vivace-loss

Start at: 2018-02-16 10:39:12
End at: 2018-02-16 10:39:42
Local clock offset: 0.013 ms
Remote clock offset: -6.616 ms

Below is generated by plot.py at 2018-02-16 22:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.39 Mbit/s
95th percentile per-packet one-way delay: 74.468 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 353.25 Mbit/s
95th percentile per-packet one-way delay: 85.160 ms
Loss rate: 3.87%
-- Flow 2:
Average throughput: 232.64 Mbit/s
95th percentile per-packet one-way delay: 1.544 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 144.93 Mbit/s
95th percentile per-packet one-way delay: 2.214 ms
Loss rate: 0.27%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-16 11:06:01

End at: 2018-02-16 11:06:31

Local clock offset: 0.497 ms

Remote clock offset: -6.46 ms

Below is generated by plot.py at 2018-02-16 22:02:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 508.93 Mbit/s

95th percentile per-packet one-way delay: 2.895 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 306.99 Mbit/s

95th percentile per-packet one-way delay: 4.867 ms

Loss rate: 1.75%

-- Flow 2:

Average throughput: 225.57 Mbit/s

95th percentile per-packet one-way delay: 1.751 ms

Loss rate: 0.05%

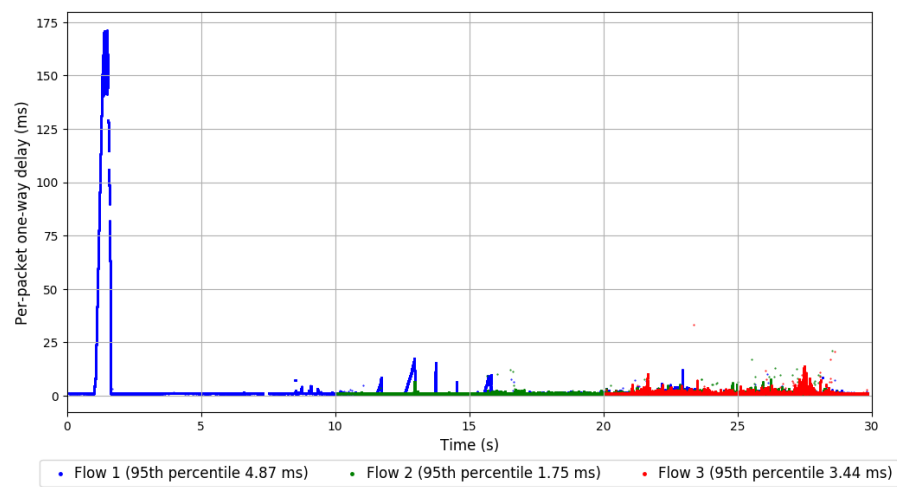
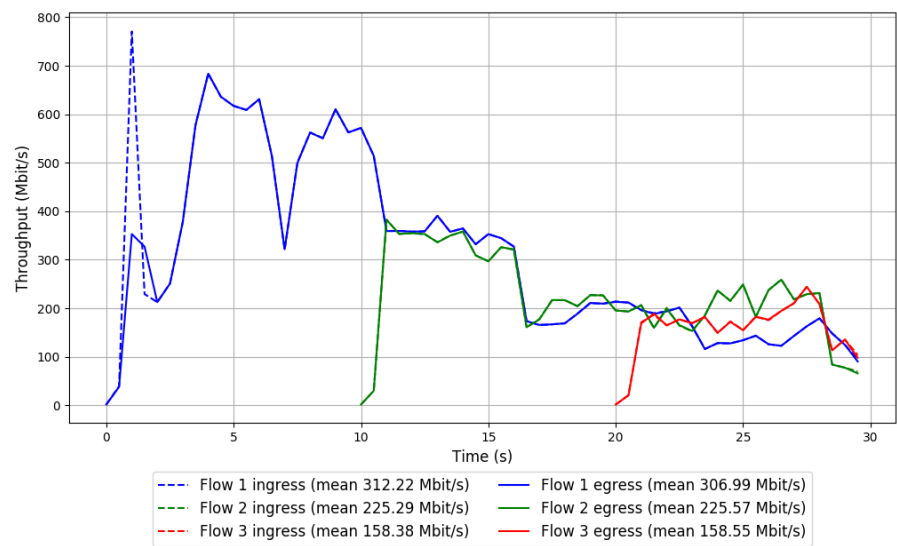
-- Flow 3:

Average throughput: 158.55 Mbit/s

95th percentile per-packet one-way delay: 3.439 ms

Loss rate: 0.19%

Run 2: Report of Vivace-loss — Data Link

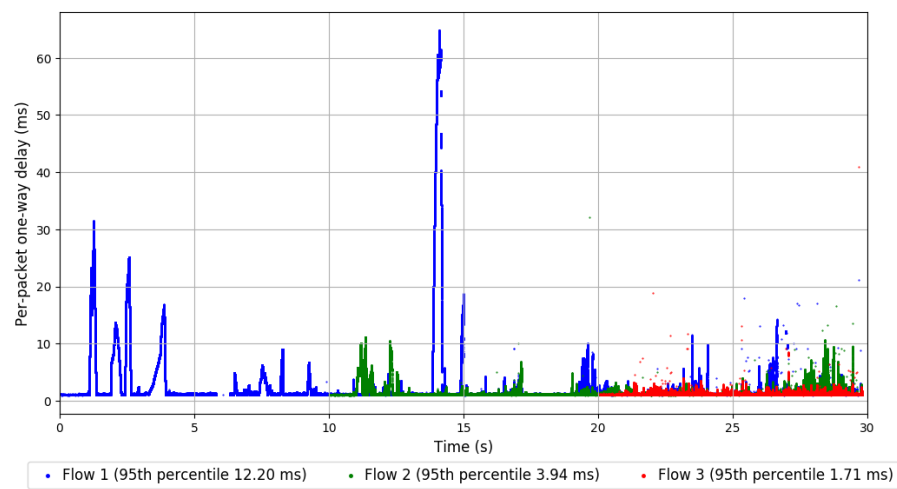
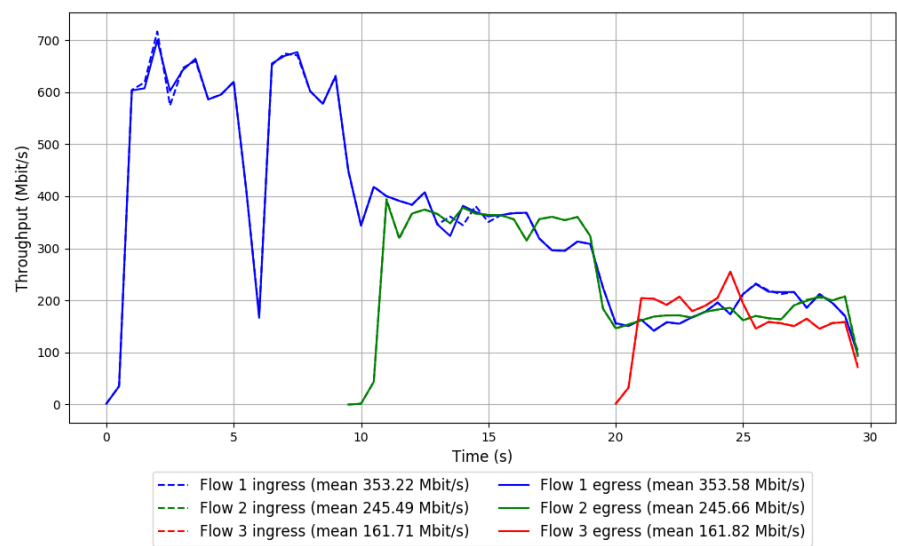


Run 3: Statistics of Vivace-loss

Start at: 2018-02-16 11:32:49
End at: 2018-02-16 11:33:20
Local clock offset: 0.22 ms
Remote clock offset: -6.972 ms

Below is generated by plot.py at 2018-02-16 22:03:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 569.80 Mbit/s
95th percentile per-packet one-way delay: 7.609 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 353.58 Mbit/s
95th percentile per-packet one-way delay: 12.196 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 245.66 Mbit/s
95th percentile per-packet one-way delay: 3.940 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 161.82 Mbit/s
95th percentile per-packet one-way delay: 1.713 ms
Loss rate: 0.12%

Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-02-16 11:59:40

End at: 2018-02-16 12:00:10

Local clock offset: 0.131 ms

Remote clock offset: -5.5 ms

Below is generated by plot.py at 2018-02-16 22:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 561.00 Mbit/s

95th percentile per-packet one-way delay: 75.018 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 361.87 Mbit/s

95th percentile per-packet one-way delay: 75.994 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 207.32 Mbit/s

95th percentile per-packet one-way delay: 1.820 ms

Loss rate: 0.06%

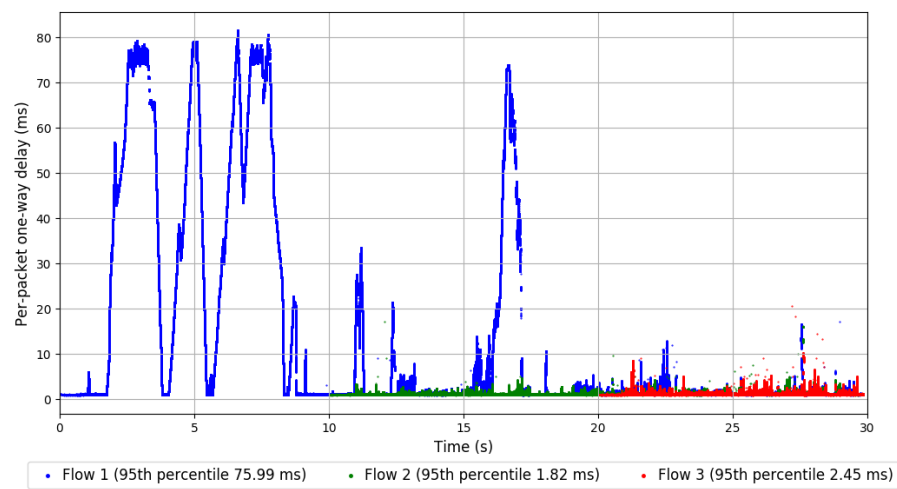
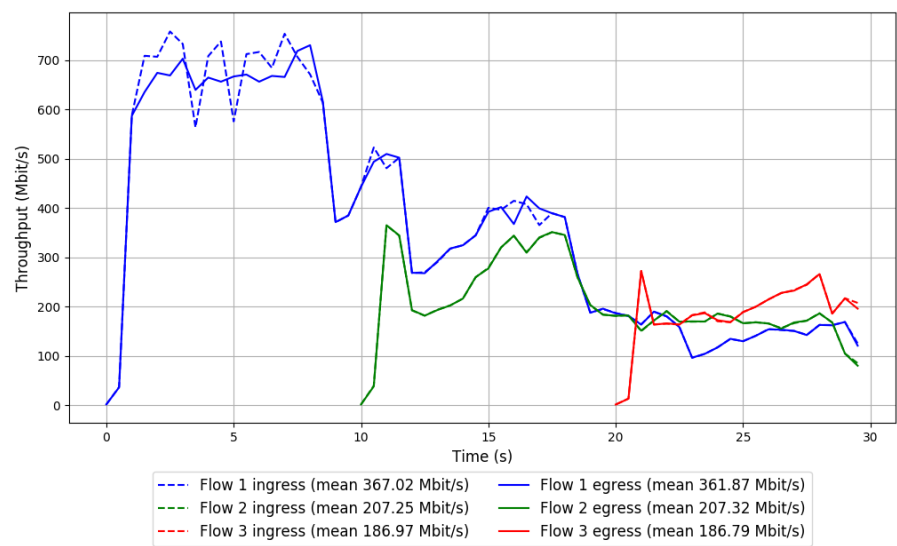
-- Flow 3:

Average throughput: 186.79 Mbit/s

95th percentile per-packet one-way delay: 2.454 ms

Loss rate: 0.34%

Run 4: Report of Vivace-loss — Data Link

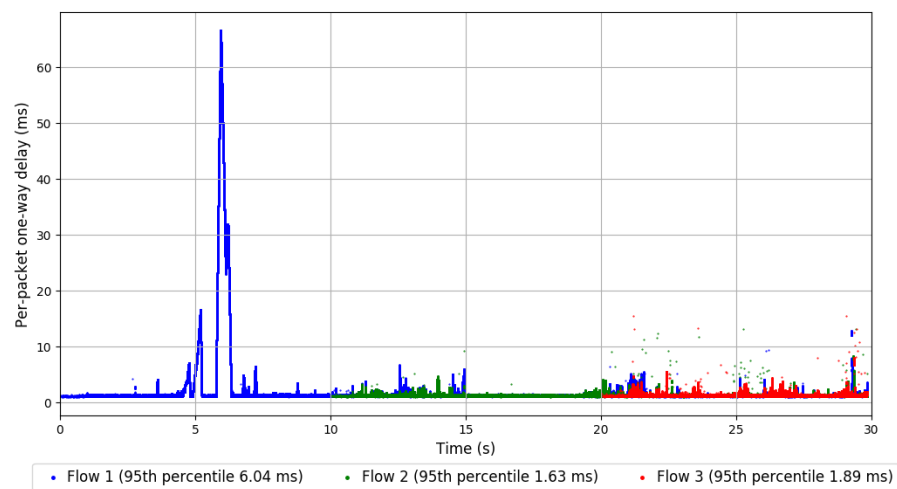
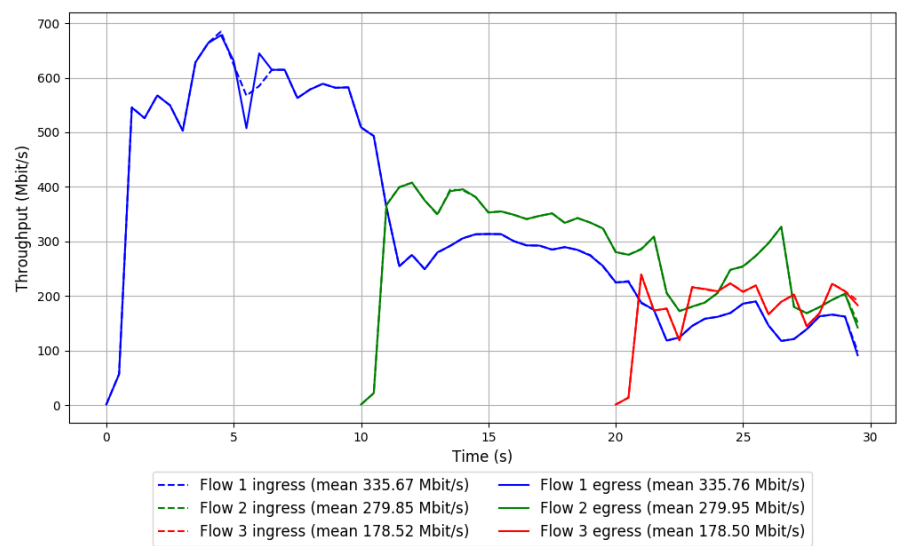


Run 5: Statistics of Vivace-loss

Start at: 2018-02-16 12:26:36
End at: 2018-02-16 12:27:06
Local clock offset: 0.347 ms
Remote clock offset: -4.997 ms

Below is generated by plot.py at 2018-02-16 22:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 580.30 Mbit/s
95th percentile per-packet one-way delay: 3.041 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 335.76 Mbit/s
95th percentile per-packet one-way delay: 6.038 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 279.95 Mbit/s
95th percentile per-packet one-way delay: 1.634 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 178.50 Mbit/s
95th percentile per-packet one-way delay: 1.887 ms
Loss rate: 0.26%

Run 5: Report of Vivace-loss — Data Link

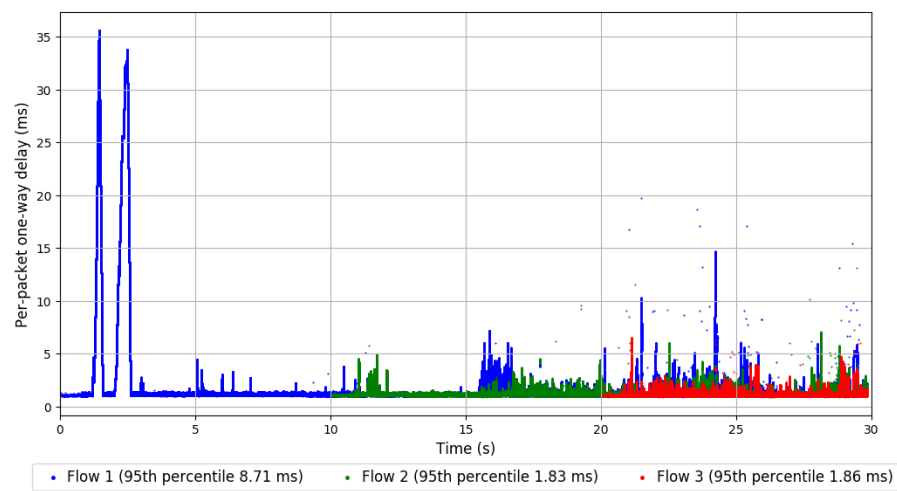
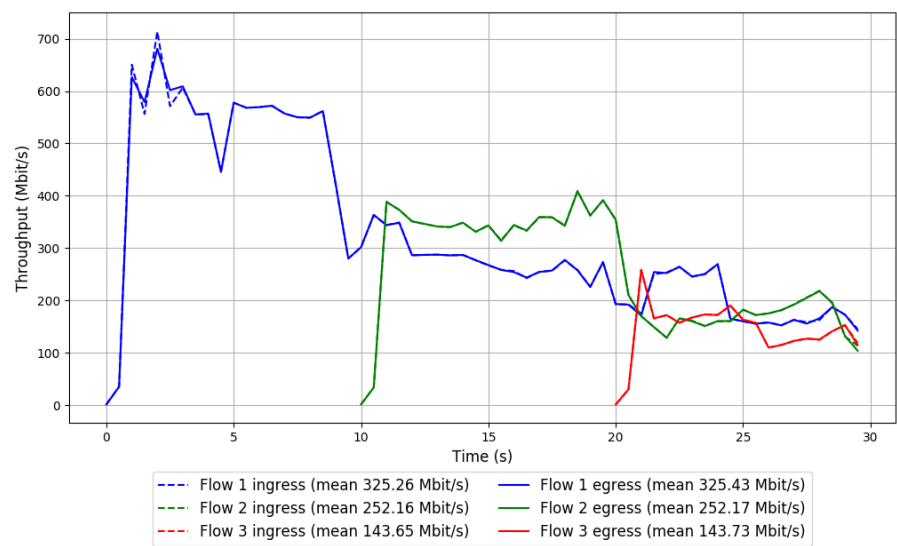


Run 6: Statistics of Vivace-loss

Start at: 2018-02-16 12:53:29
End at: 2018-02-16 12:53:59
Local clock offset: 0.39 ms
Remote clock offset: -5.779 ms

Below is generated by plot.py at 2018-02-16 22:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 540.10 Mbit/s
95th percentile per-packet one-way delay: 3.071 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 325.43 Mbit/s
95th percentile per-packet one-way delay: 8.712 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 252.17 Mbit/s
95th percentile per-packet one-way delay: 1.830 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 143.73 Mbit/s
95th percentile per-packet one-way delay: 1.860 ms
Loss rate: 0.14%

Run 6: Report of Vivace-loss — Data Link

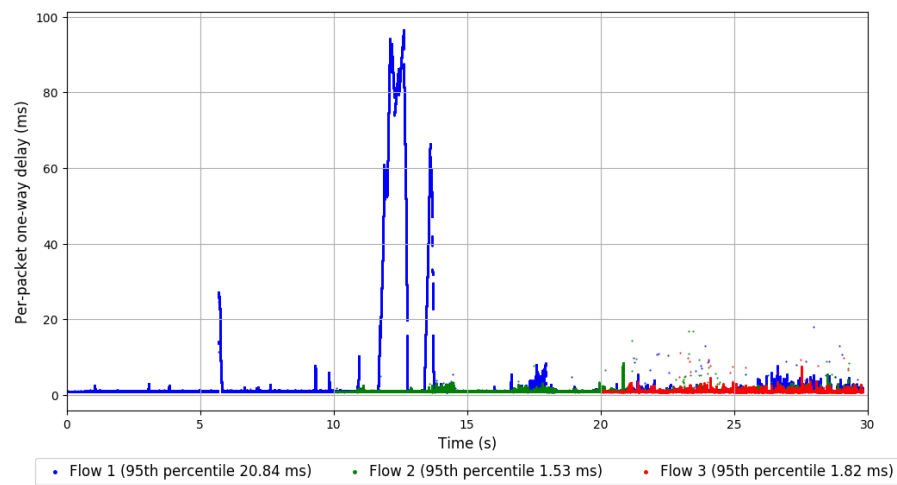
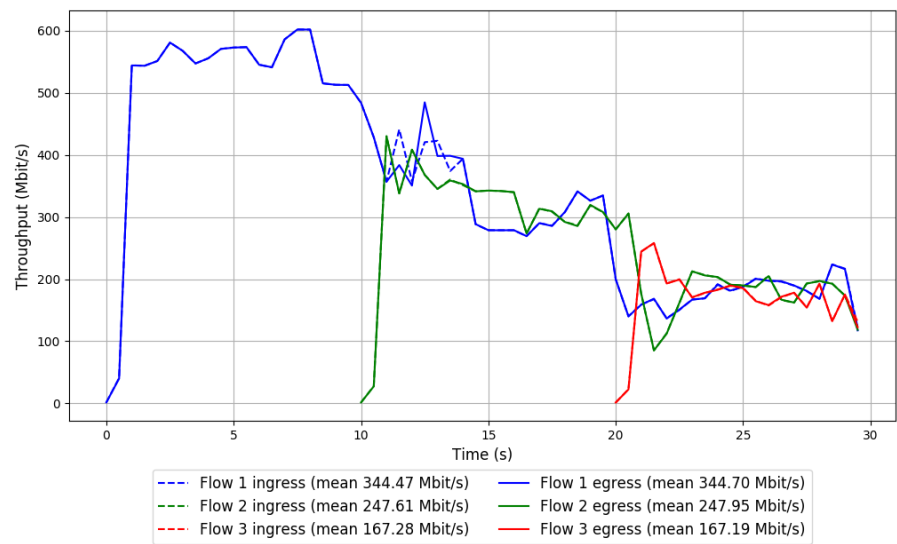


Run 7: Statistics of Vivace-loss

Start at: 2018-02-16 13:20:00
End at: 2018-02-16 13:20:31
Local clock offset: 0.164 ms
Remote clock offset: -6.817 ms

Below is generated by plot.py at 2018-02-16 22:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.14 Mbit/s
95th percentile per-packet one-way delay: 3.136 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 344.70 Mbit/s
95th percentile per-packet one-way delay: 20.841 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 247.95 Mbit/s
95th percentile per-packet one-way delay: 1.531 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 167.19 Mbit/s
95th percentile per-packet one-way delay: 1.818 ms
Loss rate: 0.28%

Run 7: Report of Vivace-loss — Data Link

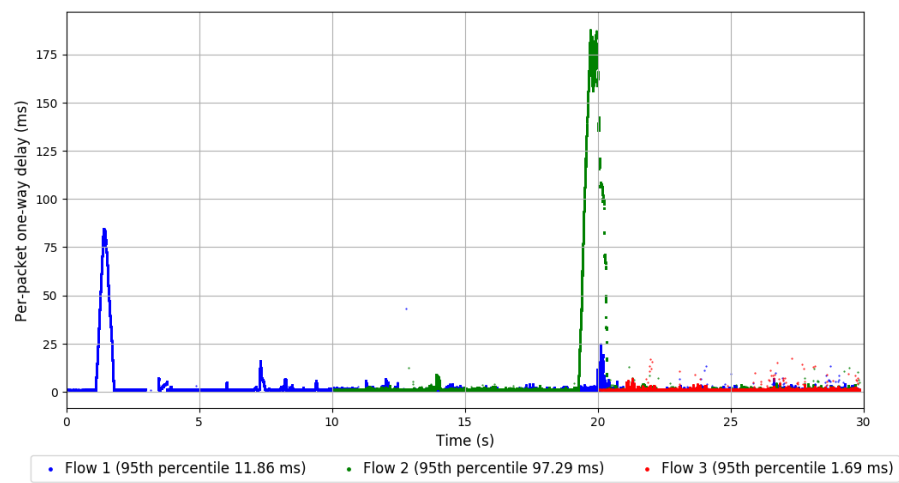
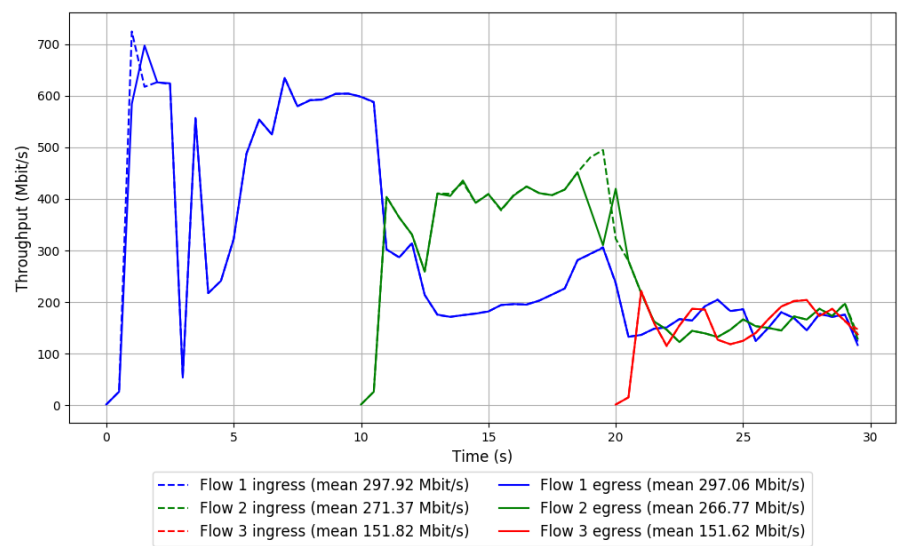


Run 8: Statistics of Vivace-loss

Start at: 2018-02-16 13:46:55
End at: 2018-02-16 13:47:25
Local clock offset: 0.188 ms
Remote clock offset: -8.668 ms

Below is generated by plot.py at 2018-02-16 22:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 524.07 Mbit/s
95th percentile per-packet one-way delay: 14.438 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 297.06 Mbit/s
95th percentile per-packet one-way delay: 11.862 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 266.77 Mbit/s
95th percentile per-packet one-way delay: 97.291 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 151.62 Mbit/s
95th percentile per-packet one-way delay: 1.691 ms
Loss rate: 0.33%

Run 8: Report of Vivace-loss — Data Link

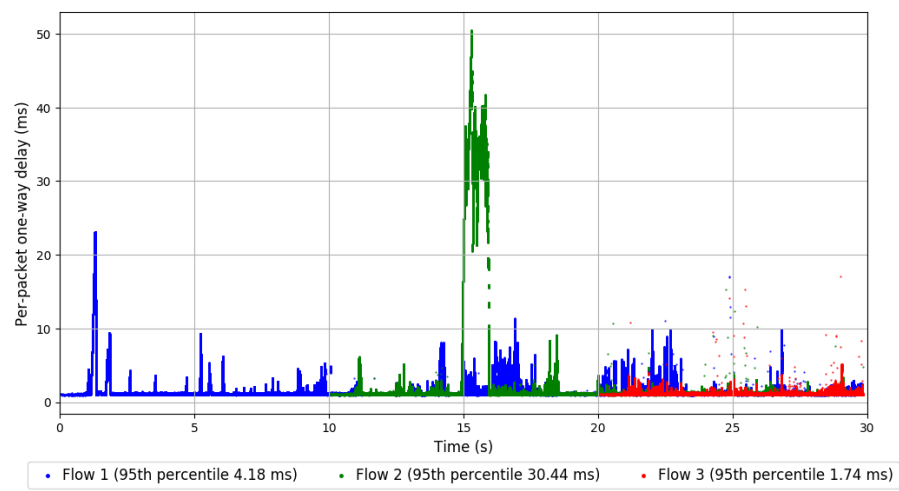
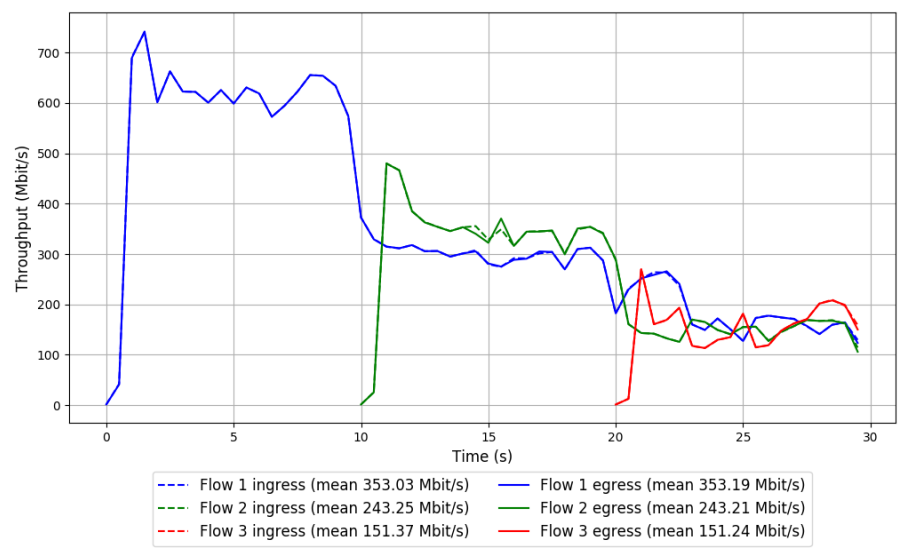


Run 9: Statistics of Vivace-loss

Start at: 2018-02-16 14:13:57
End at: 2018-02-16 14:14:27
Local clock offset: 0.209 ms
Remote clock offset: -7.189 ms

Below is generated by plot.py at 2018-02-16 22:09:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.12 Mbit/s
95th percentile per-packet one-way delay: 4.589 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 353.19 Mbit/s
95th percentile per-packet one-way delay: 4.183 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 243.21 Mbit/s
95th percentile per-packet one-way delay: 30.440 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 151.24 Mbit/s
95th percentile per-packet one-way delay: 1.738 ms
Loss rate: 0.29%

Run 9: Report of Vivace-loss — Data Link

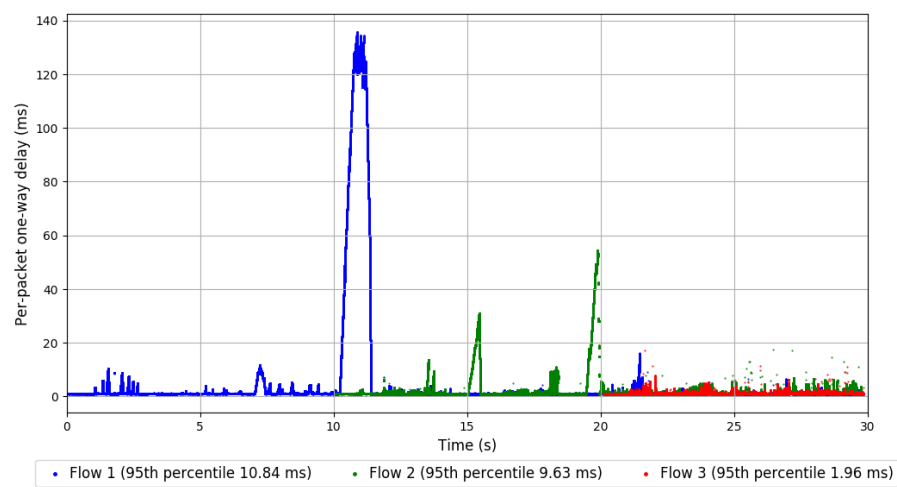
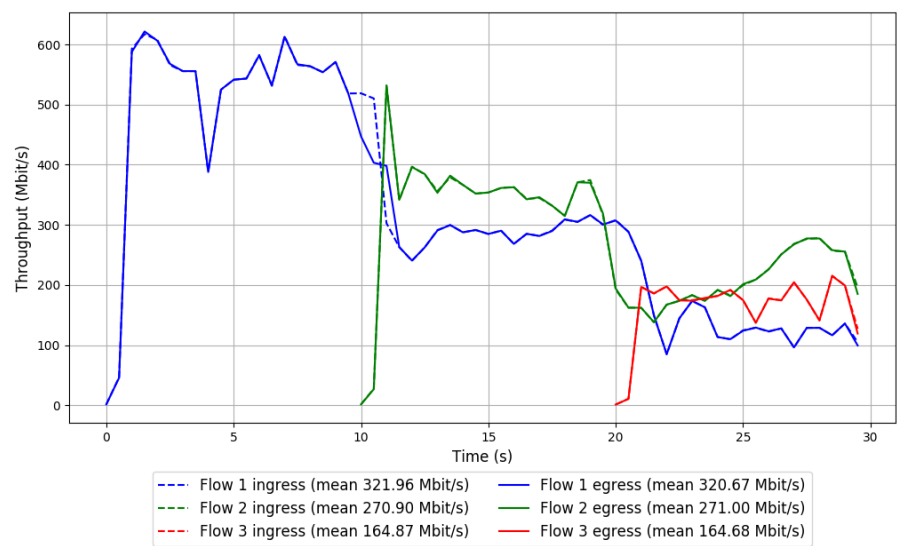


Run 10: Statistics of Vivace-loss

Start at: 2018-02-16 14:40:54
End at: 2018-02-16 14:41:24
Local clock offset: 0.245 ms
Remote clock offset: -5.599 ms

Below is generated by plot.py at 2018-02-16 22:10:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 554.37 Mbit/s
95th percentile per-packet one-way delay: 9.038 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 320.67 Mbit/s
95th percentile per-packet one-way delay: 10.836 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 271.00 Mbit/s
95th percentile per-packet one-way delay: 9.626 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 164.68 Mbit/s
95th percentile per-packet one-way delay: 1.961 ms
Loss rate: 0.26%

Run 10: Report of Vivace-loss — Data Link

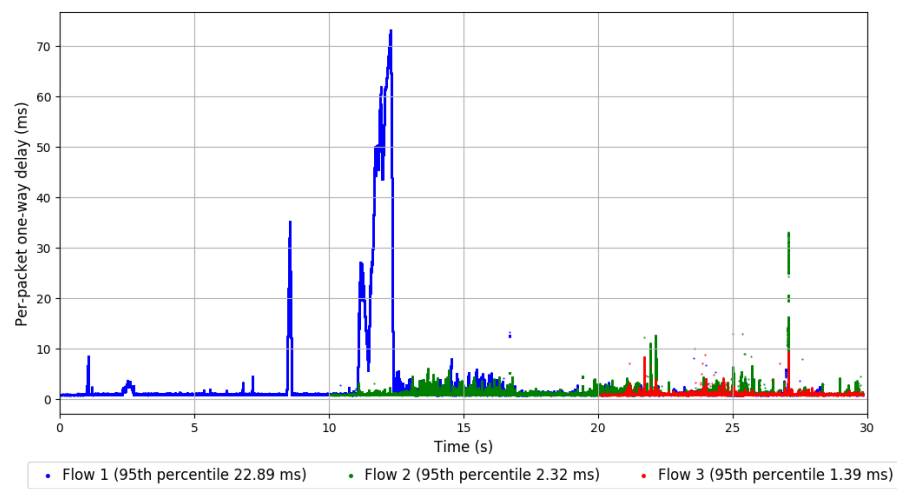
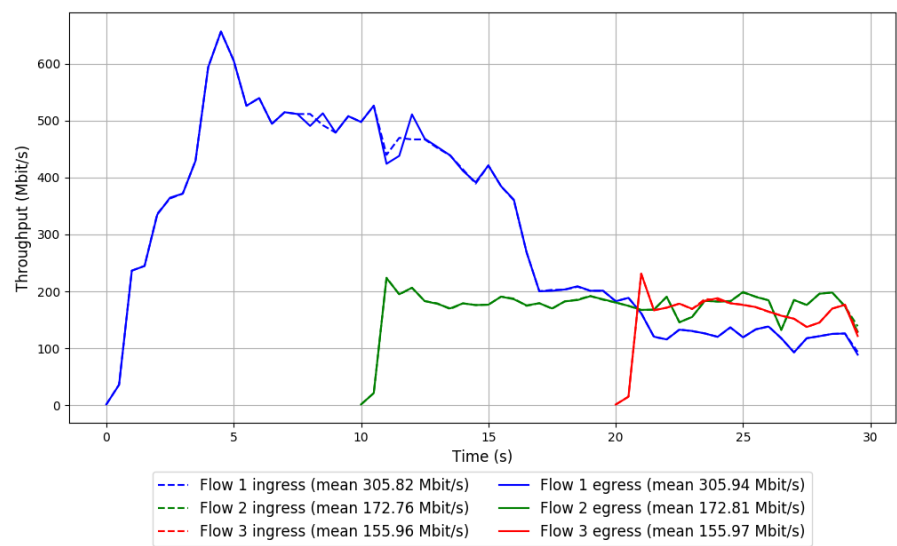


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-16 10:55:13
End at: 2018-02-16 10:55:43
Local clock offset: 0.292 ms
Remote clock offset: -6.252 ms

Below is generated by plot.py at 2018-02-16 22:11:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 471.95 Mbit/s
95th percentile per-packet one-way delay: 6.248 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 305.94 Mbit/s
95th percentile per-packet one-way delay: 22.885 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 172.81 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 155.97 Mbit/s
95th percentile per-packet one-way delay: 1.388 ms
Loss rate: 0.19%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-16 11:22:00

End at: 2018-02-16 11:22:30

Local clock offset: 0.442 ms

Remote clock offset: -6.9 ms

Below is generated by plot.py at 2018-02-16 22:12:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 515.32 Mbit/s

95th percentile per-packet one-way delay: 5.478 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 331.09 Mbit/s

95th percentile per-packet one-way delay: 45.516 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 204.18 Mbit/s

95th percentile per-packet one-way delay: 2.484 ms

Loss rate: 0.08%

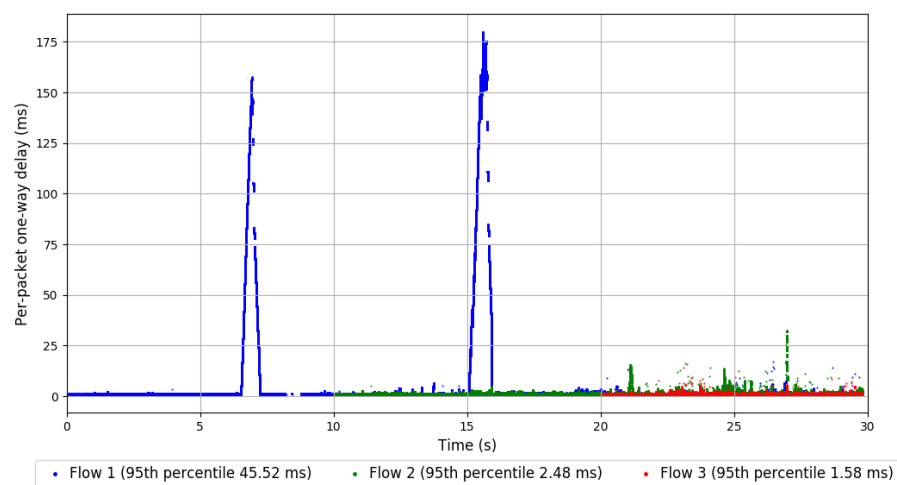
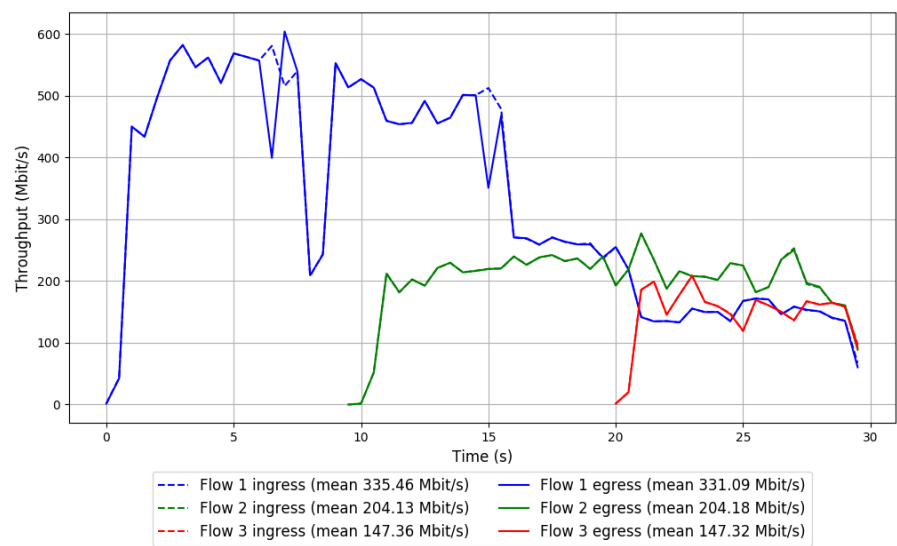
-- Flow 3:

Average throughput: 147.32 Mbit/s

95th percentile per-packet one-way delay: 1.578 ms

Loss rate: 0.23%

Run 2: Report of Vivace-LTE — Data Link

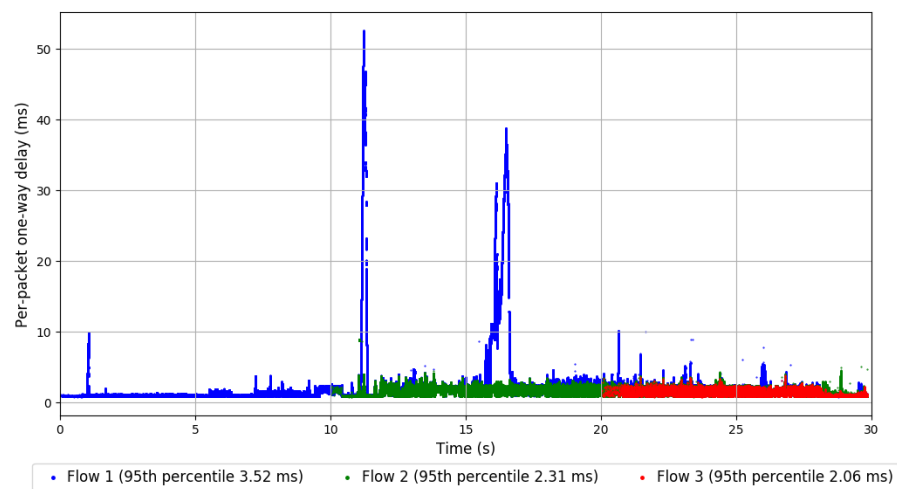
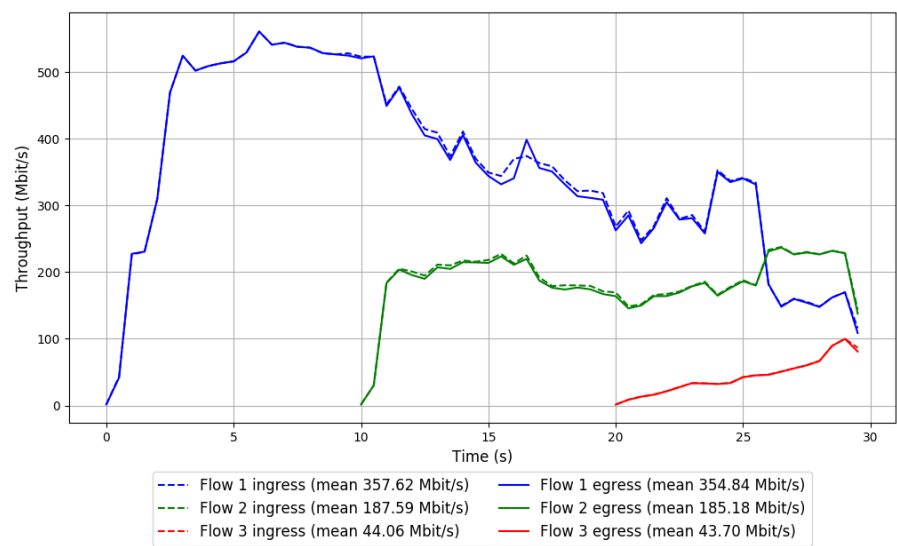


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-16 11:48:48
End at: 2018-02-16 11:49:18
Local clock offset: -0.04 ms
Remote clock offset: -5.785 ms

Below is generated by plot.py at 2018-02-16 22:14:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 492.20 Mbit/s
95th percentile per-packet one-way delay: 2.857 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 354.84 Mbit/s
95th percentile per-packet one-way delay: 3.520 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 185.18 Mbit/s
95th percentile per-packet one-way delay: 2.309 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 2.057 ms
Loss rate: 1.01%

Run 3: Report of Vivace-LTE — Data Link

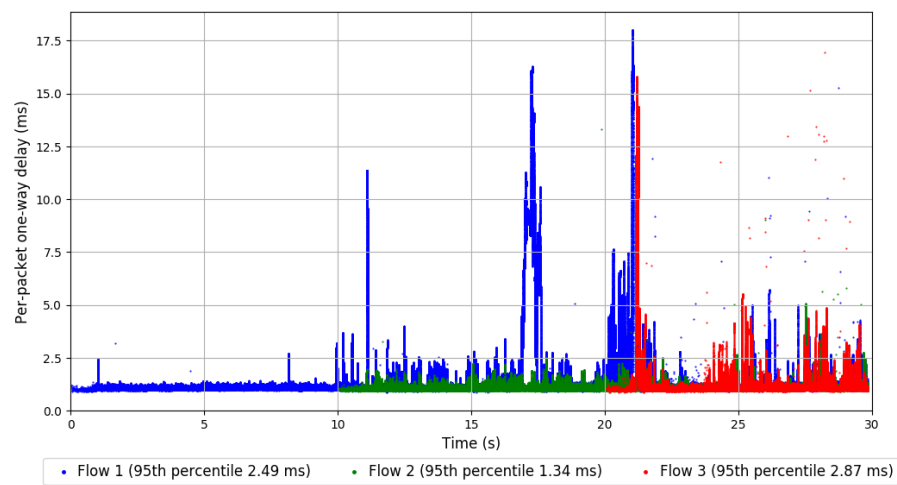
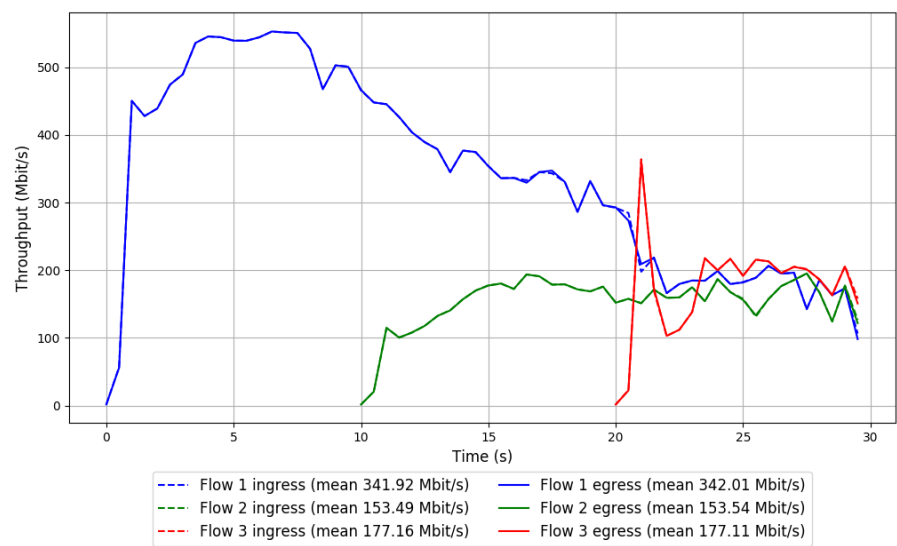


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-16 12:15:40
End at: 2018-02-16 12:16:10
Local clock offset: 0.234 ms
Remote clock offset: -5.183 ms

Below is generated by plot.py at 2018-02-16 22:14:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 502.11 Mbit/s
95th percentile per-packet one-way delay: 2.133 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 342.01 Mbit/s
95th percentile per-packet one-way delay: 2.487 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 153.54 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 177.11 Mbit/s
95th percentile per-packet one-way delay: 2.872 ms
Loss rate: 0.23%

Run 4: Report of Vivace-LTE — Data Link

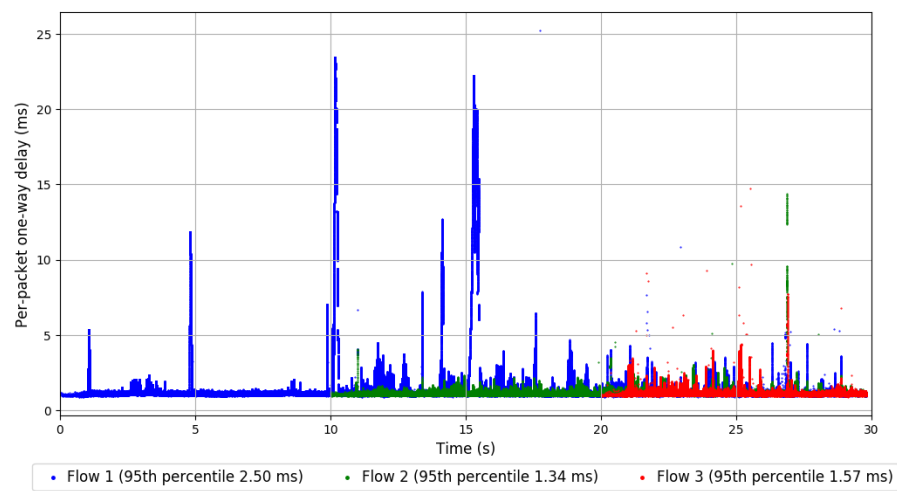
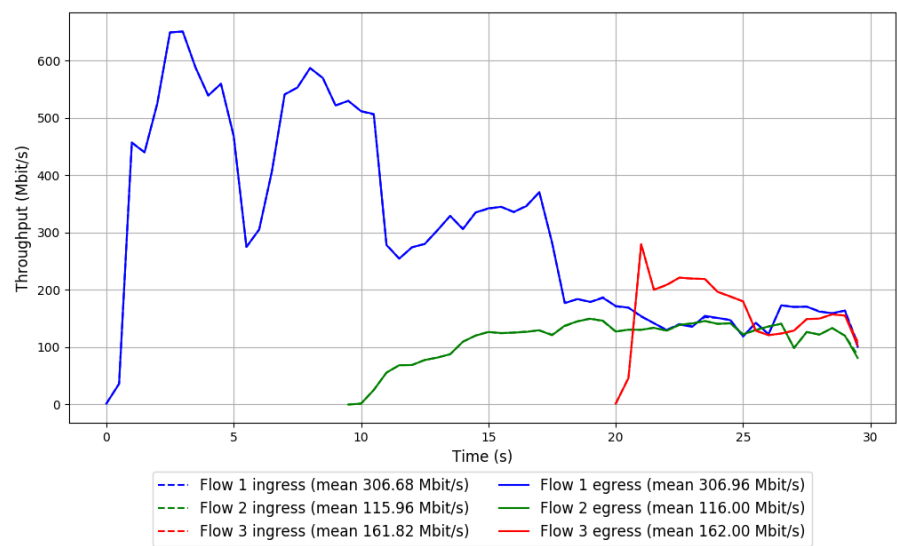


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-16 12:42:43
End at: 2018-02-16 12:43:13
Local clock offset: 0.363 ms
Remote clock offset: -4.703 ms

Below is generated by plot.py at 2018-02-16 22:14:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.38 Mbit/s
95th percentile per-packet one-way delay: 2.002 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 306.96 Mbit/s
95th percentile per-packet one-way delay: 2.504 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 116.00 Mbit/s
95th percentile per-packet one-way delay: 1.343 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 162.00 Mbit/s
95th percentile per-packet one-way delay: 1.568 ms
Loss rate: 0.21%

Run 5: Report of Vivace-LTE — Data Link

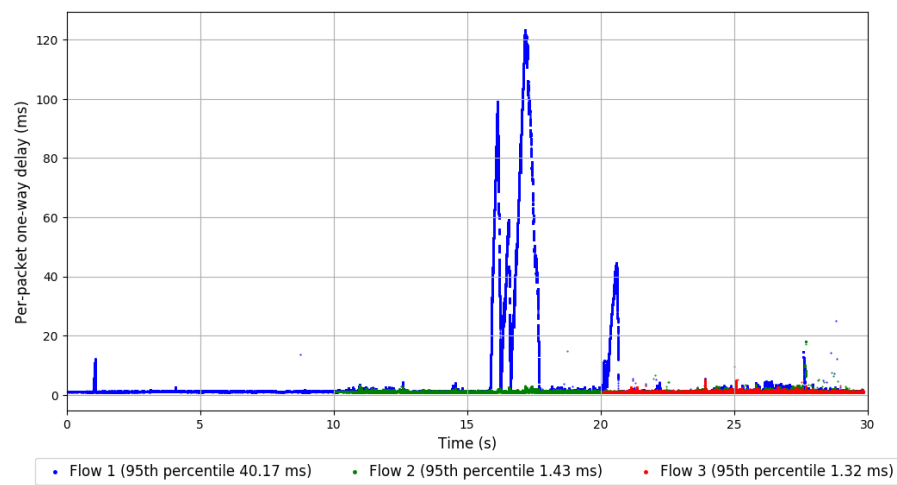
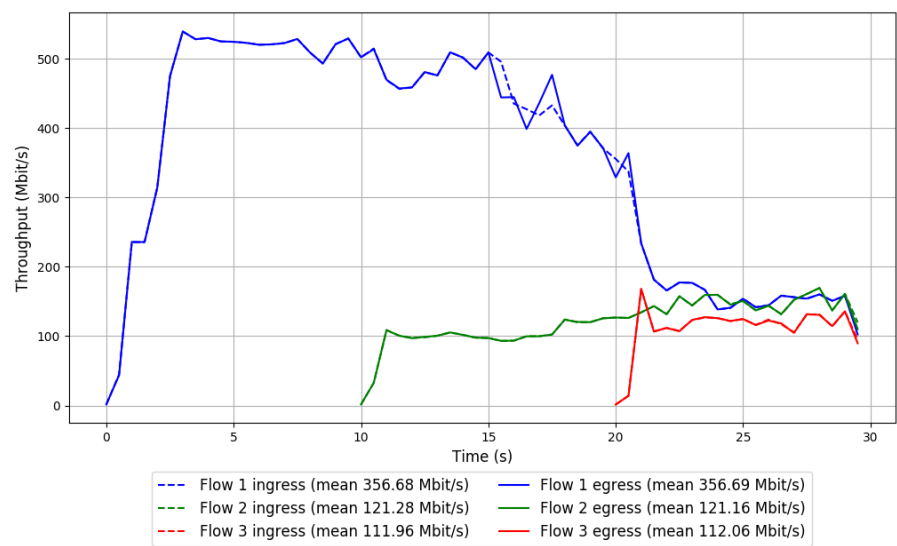


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-16 13:09:29
End at: 2018-02-16 13:09:59
Local clock offset: 0.318 ms
Remote clock offset: -6.328 ms

Below is generated by plot.py at 2018-02-16 22:14:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 473.94 Mbit/s
95th percentile per-packet one-way delay: 25.953 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 356.69 Mbit/s
95th percentile per-packet one-way delay: 40.172 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 121.16 Mbit/s
95th percentile per-packet one-way delay: 1.432 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 112.06 Mbit/s
95th percentile per-packet one-way delay: 1.323 ms
Loss rate: 0.24%

Run 6: Report of Vivace-LTE — Data Link

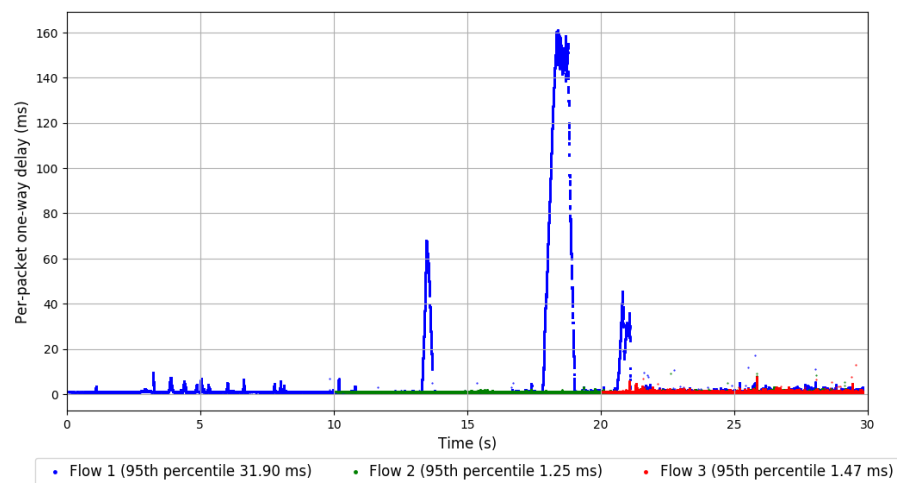
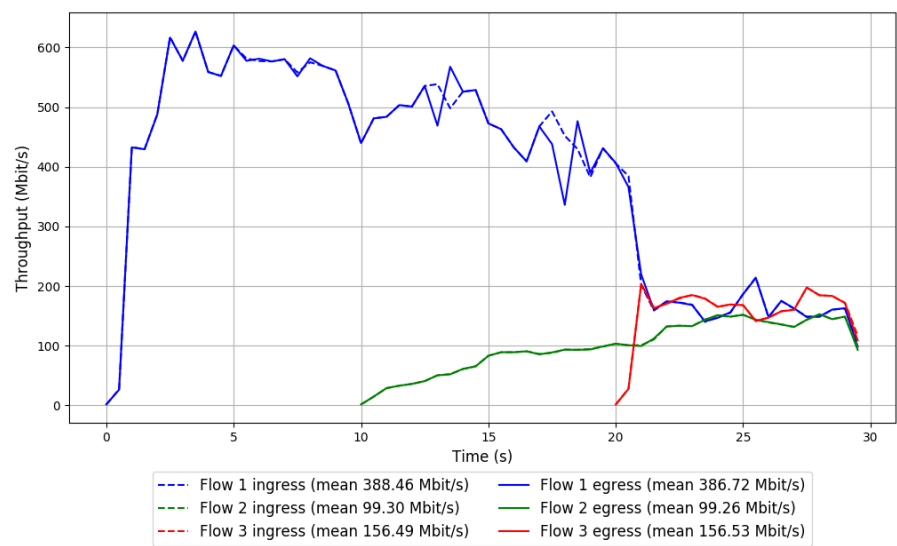


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-16 13:36:07
End at: 2018-02-16 13:36:37
Local clock offset: 0.241 ms
Remote clock offset: -8.116 ms

Below is generated by plot.py at 2018-02-16 22:15:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 503.98 Mbit/s
95th percentile per-packet one-way delay: 17.334 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 386.72 Mbit/s
95th percentile per-packet one-way delay: 31.897 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 99.26 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 156.53 Mbit/s
95th percentile per-packet one-way delay: 1.466 ms
Loss rate: 0.27%

Run 7: Report of Vivace-LTE — Data Link

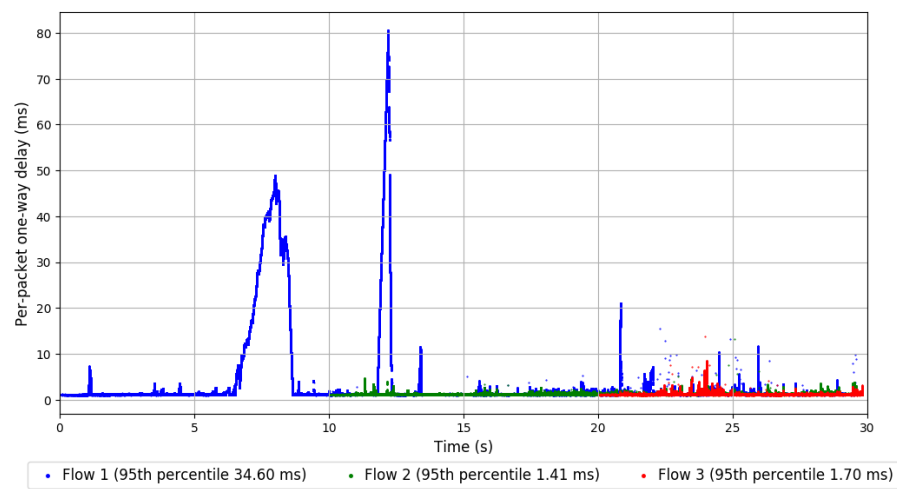
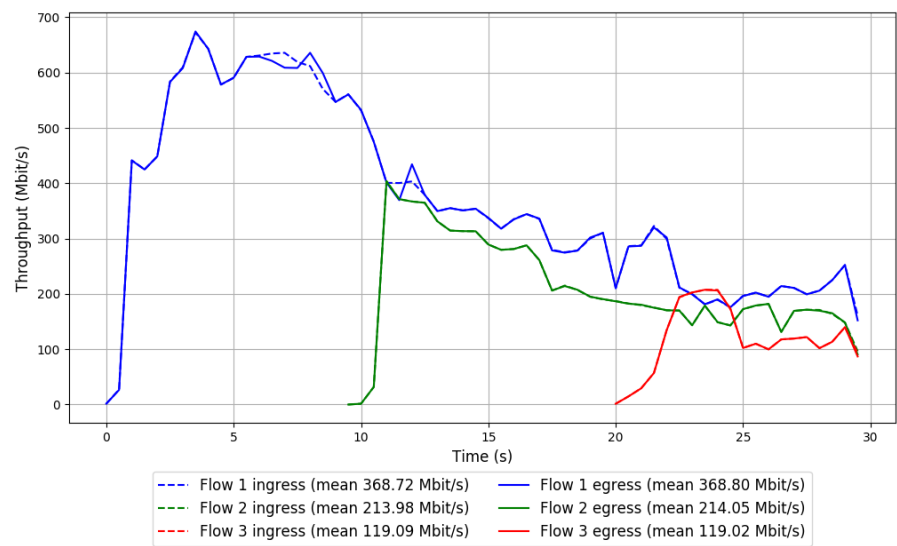


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-16 14:03:07
End at: 2018-02-16 14:03:37
Local clock offset: 0.098 ms
Remote clock offset: -7.542 ms

Below is generated by plot.py at 2018-02-16 22:16:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 550.19 Mbit/s
95th percentile per-packet one-way delay: 28.052 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 368.80 Mbit/s
95th percentile per-packet one-way delay: 34.596 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 214.05 Mbit/s
95th percentile per-packet one-way delay: 1.407 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 119.02 Mbit/s
95th percentile per-packet one-way delay: 1.696 ms
Loss rate: 0.27%

Run 8: Report of Vivace-LTE — Data Link

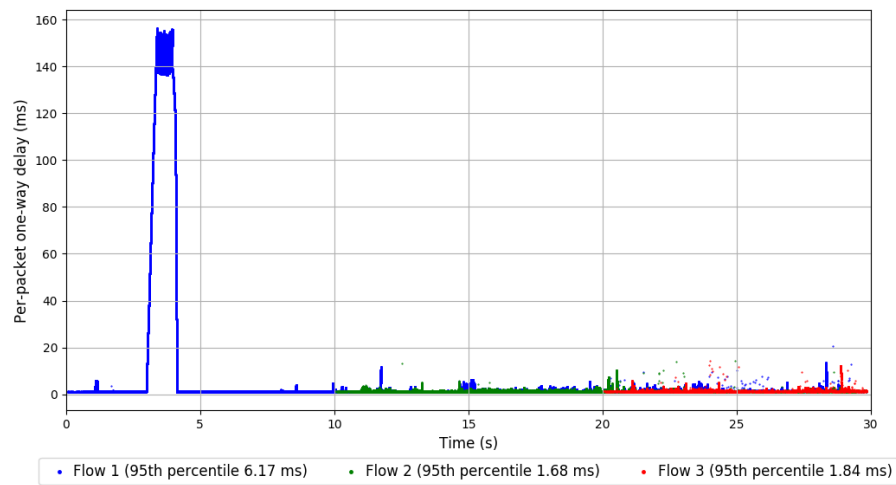
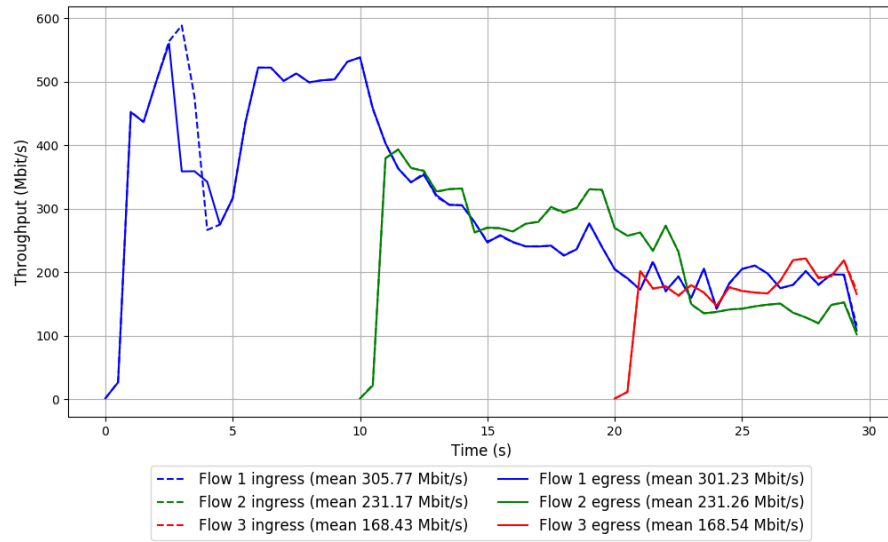


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-16 14:30:08
End at: 2018-02-16 14:30:38
Local clock offset: 0.32 ms
Remote clock offset: -6.626 ms

Below is generated by plot.py at 2018-02-16 22:16:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 510.13 Mbit/s
95th percentile per-packet one-way delay: 2.602 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 301.23 Mbit/s
95th percentile per-packet one-way delay: 6.165 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 231.26 Mbit/s
95th percentile per-packet one-way delay: 1.684 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 168.54 Mbit/s
95th percentile per-packet one-way delay: 1.837 ms
Loss rate: 0.21%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-16 14:56:52
End at: 2018-02-16 14:57:22
Local clock offset: 0.087 ms
Remote clock offset: -5.114 ms

Below is generated by plot.py at 2018-02-16 22:16:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.88 Mbit/s
95th percentile per-packet one-way delay: 82.720 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 382.75 Mbit/s
95th percentile per-packet one-way delay: 117.083 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 210.39 Mbit/s
95th percentile per-packet one-way delay: 3.043 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 101.84 Mbit/s
95th percentile per-packet one-way delay: 1.486 ms
Loss rate: 0.25%

Run 10: Report of Vivace-LTE — Data Link

