

Pantheon Report

Generated at 2018-03-28 02:30:11 (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).

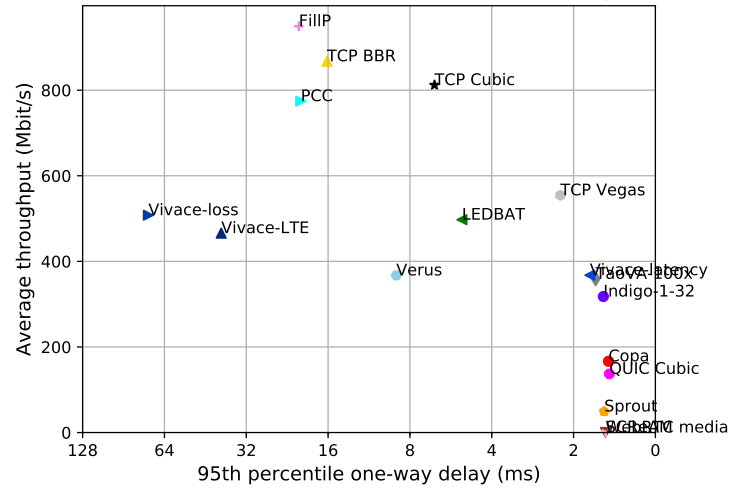
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

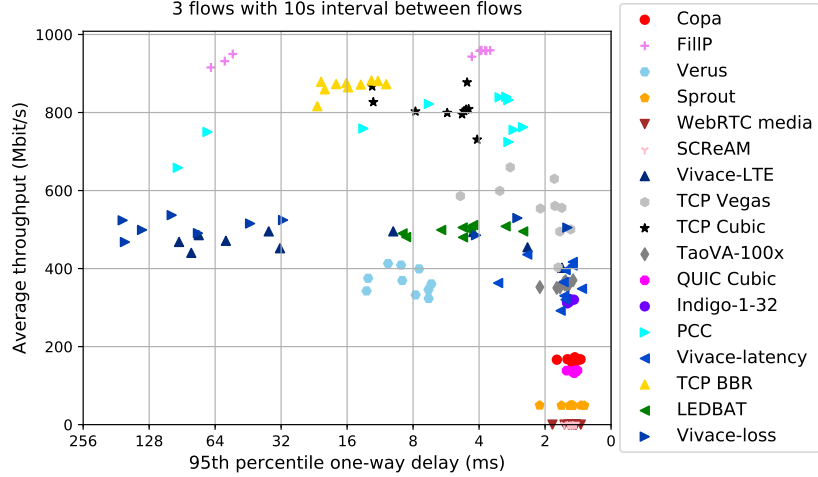
Git summary:

```
branch: master @ 503f51fe03f703a4c0a826a0792a4fead3e7d1b0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



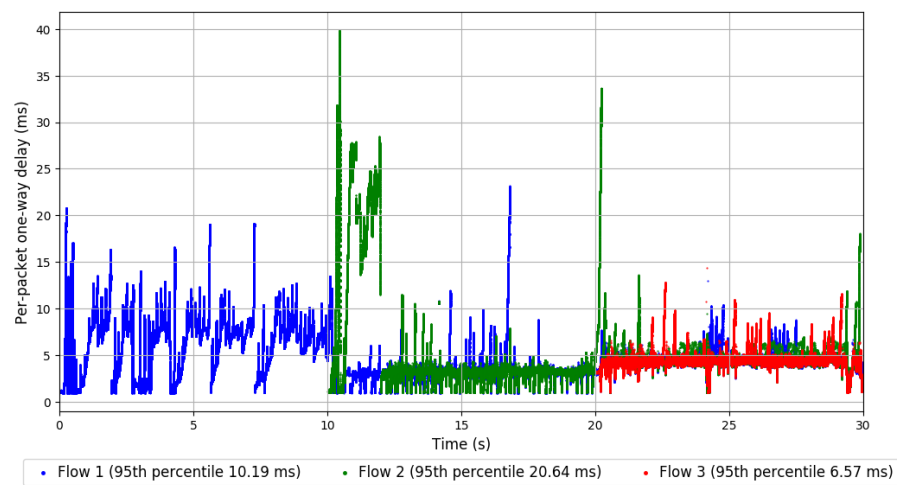
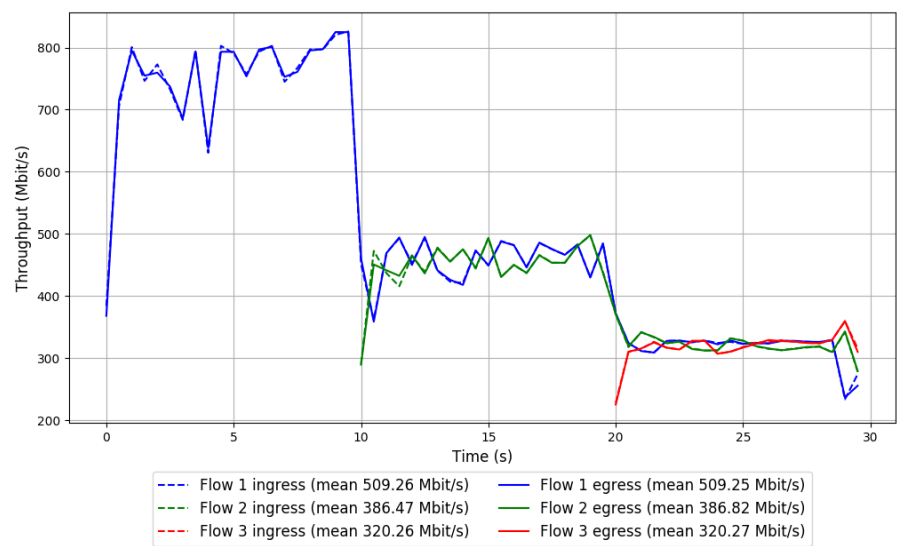
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	503.25	388.38	320.30	16.48	14.09	5.62	0.04	0.08	0.24
TCP Cubic	10	452.76	380.92	319.27	7.21	5.69	4.35	0.06	0.10	0.23
LEDBAT	10	287.37	228.26	176.85	4.94	5.25	2.71	0.04	0.08	0.23
PCC	10	604.59	156.31	200.98	21.66	2.59	2.51	1.40	0.14	0.23
QUIC Cubic	10	72.45	68.15	58.55	1.12	1.13	1.13	0.05	0.10	0.21
SCReAM	10	0.22	0.22	0.22	1.22	1.22	1.21	0.01	0.02	0.35
WebRTC media	10	0.05	0.05	0.05	1.20	1.20	1.23	0.01	0.01	0.00
Sprout	10	24.83	24.66	24.51	1.25	1.24	1.24	0.03	0.10	0.26
TaoVA-100x	10	203.11	177.74	114.71	1.39	1.61	1.42	0.04	0.07	0.20
TCP Vegas	10	285.62	249.04	311.16	1.92	2.24	2.52	0.05	0.08	0.19
Verus	10	217.01	162.54	127.60	11.84	7.20	3.52	0.07	0.11	0.23
Copa	10	86.65	82.50	75.63	1.13	1.16	1.18	0.05	0.08	0.15
FillP	10	578.46	400.39	316.86	25.24	4.04	4.05	0.90	0.09	0.23
Indigo-1-32	10	172.00	153.89	133.48	1.25	1.36	1.27	0.05	0.10	0.20
Vivace-latency	10	255.92	122.81	92.01	3.05	1.30	1.21	0.07	0.10	0.31
Vivace-loss	10	304.77	227.53	158.44	76.92	42.75	3.15	1.88	0.67	0.26
Vivace-LTE	10	312.67	165.40	132.13	61.01	11.07	1.63	0.47	0.10	0.24

Run 1: Statistics of TCP BBR

Start at: 2018-03-27 14:28:51
End at: 2018-03-27 14:29:21
Local clock offset: 4.935 ms
Remote clock offset: -5.041 ms

Below is generated by plot.py at 2018-03-28 00:21:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 872.66 Mbit/s
95th percentile per-packet one-way delay: 10.606 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 509.25 Mbit/s
95th percentile per-packet one-way delay: 10.193 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 386.82 Mbit/s
95th percentile per-packet one-way delay: 20.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 320.27 Mbit/s
95th percentile per-packet one-way delay: 6.572 ms
Loss rate: 0.12%

Run 1: Report of TCP BBR — Data Link

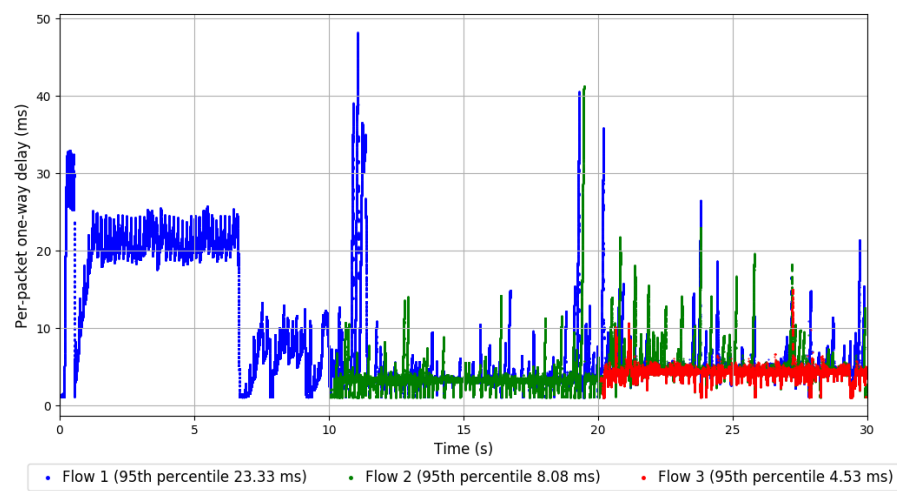
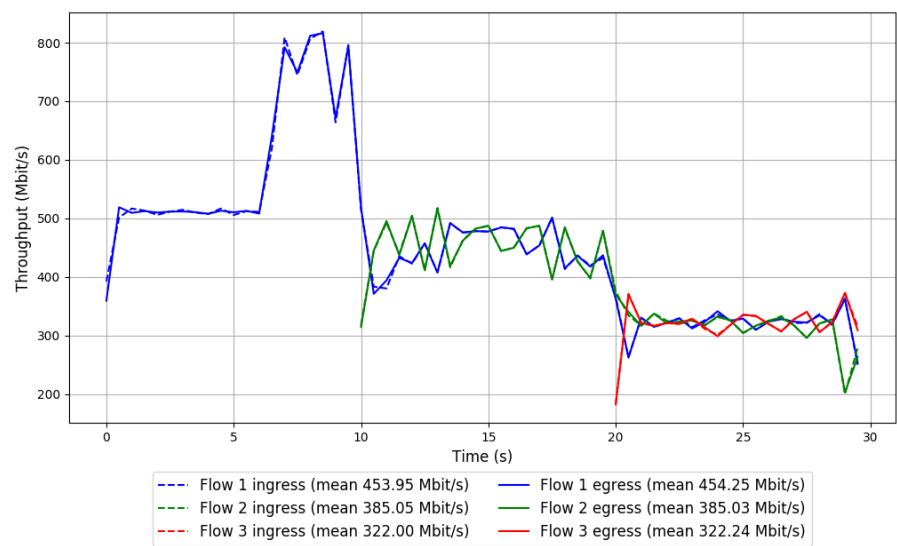


Run 2: Statistics of TCP BBR

Start at: 2018-03-27 14:57:57
End at: 2018-03-27 14:58:27
Local clock offset: 5.093 ms
Remote clock offset: -4.364 ms

Below is generated by plot.py at 2018-03-28 00:21:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 816.35 Mbit/s
95th percentile per-packet one-way delay: 21.882 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 454.25 Mbit/s
95th percentile per-packet one-way delay: 23.327 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 385.03 Mbit/s
95th percentile per-packet one-way delay: 8.084 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 322.24 Mbit/s
95th percentile per-packet one-way delay: 4.534 ms
Loss rate: 0.15%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-27 15:26:34

End at: 2018-03-27 15:27:04

Local clock offset: -2.173 ms

Remote clock offset: -4.83 ms

Below is generated by plot.py at 2018-03-28 00:21:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 882.22 Mbit/s

95th percentile per-packet one-way delay: 12.392 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 514.88 Mbit/s

95th percentile per-packet one-way delay: 12.886 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 392.08 Mbit/s

95th percentile per-packet one-way delay: 4.878 ms

Loss rate: 0.09%

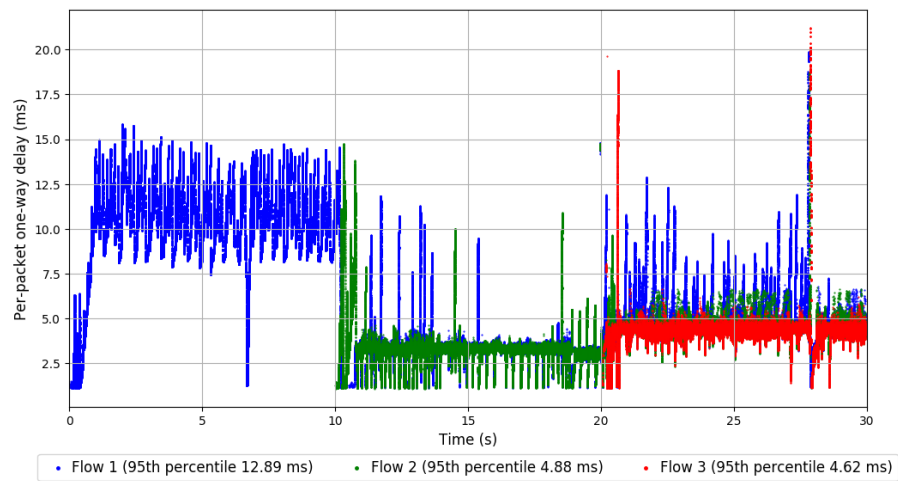
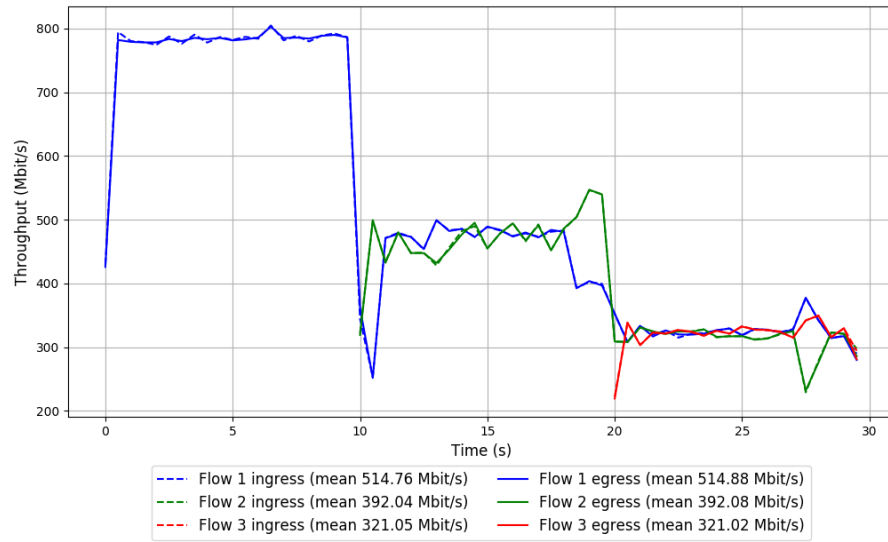
-- Flow 3:

Average throughput: 321.02 Mbit/s

95th percentile per-packet one-way delay: 4.618 ms

Loss rate: 0.24%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-03-27 15:55:21

End at: 2018-03-27 15:55:51

Local clock offset: -0.263 ms

Remote clock offset: -5.6 ms

Below is generated by plot.py at 2018-03-28 00:21:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 871.65 Mbit/s

95th percentile per-packet one-way delay: 13.862 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 511.47 Mbit/s

95th percentile per-packet one-way delay: 11.589 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 382.63 Mbit/s

95th percentile per-packet one-way delay: 24.667 ms

Loss rate: 0.12%

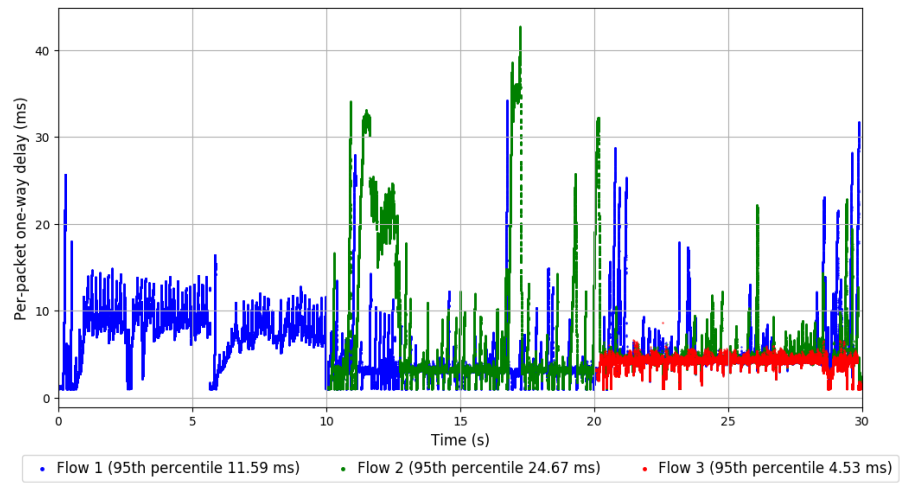
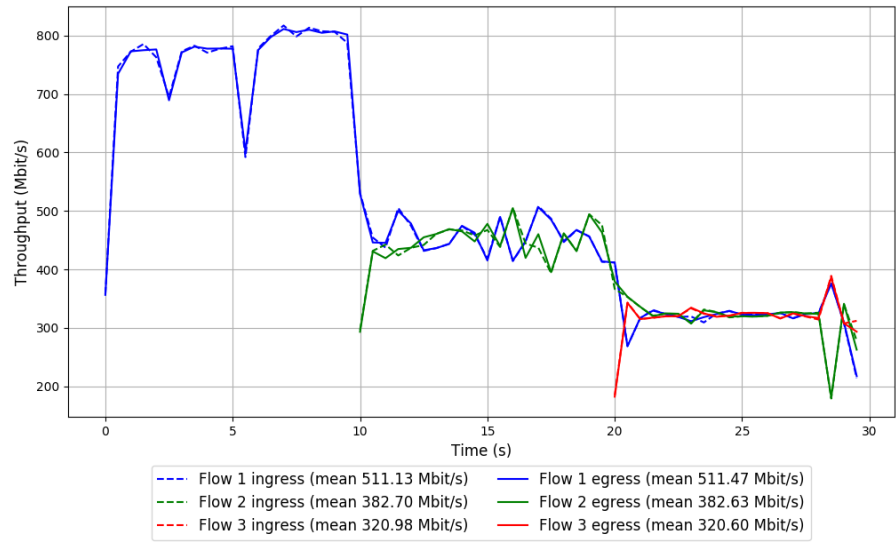
-- Flow 3:

Average throughput: 320.60 Mbit/s

95th percentile per-packet one-way delay: 4.528 ms

Loss rate: 0.33%

Run 4: Report of TCP BBR — Data Link

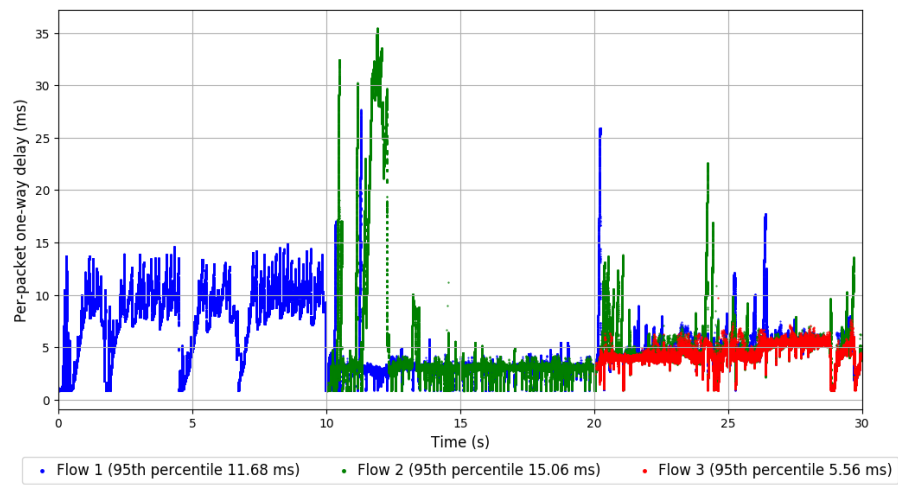
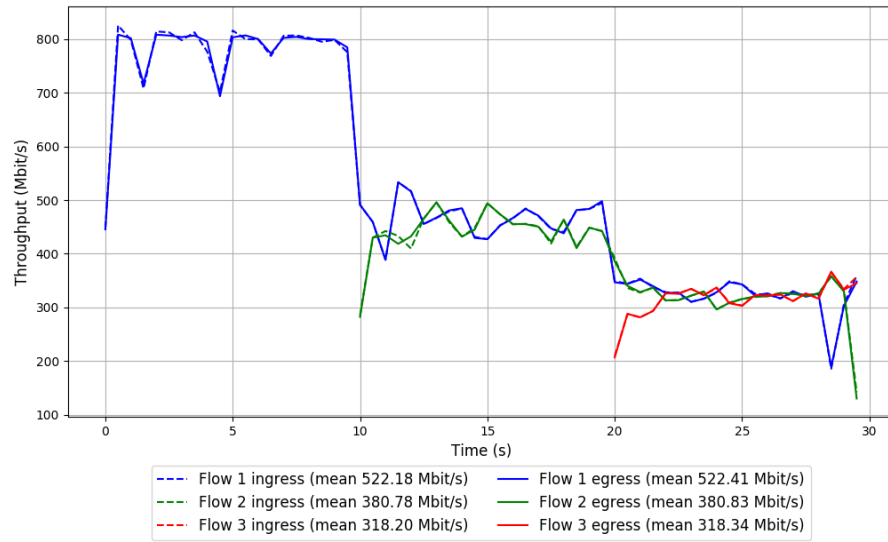


Run 5: Statistics of TCP BBR

Start at: 2018-03-27 16:24:19
End at: 2018-03-27 16:24:49
Local clock offset: -0.439 ms
Remote clock offset: -5.707 ms

Below is generated by plot.py at 2018-03-28 00:21:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 880.90 Mbit/s
95th percentile per-packet one-way delay: 11.581 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 522.41 Mbit/s
95th percentile per-packet one-way delay: 11.677 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 380.83 Mbit/s
95th percentile per-packet one-way delay: 15.060 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.34 Mbit/s
95th percentile per-packet one-way delay: 5.558 ms
Loss rate: 0.25%

Run 5: Report of TCP BBR — Data Link

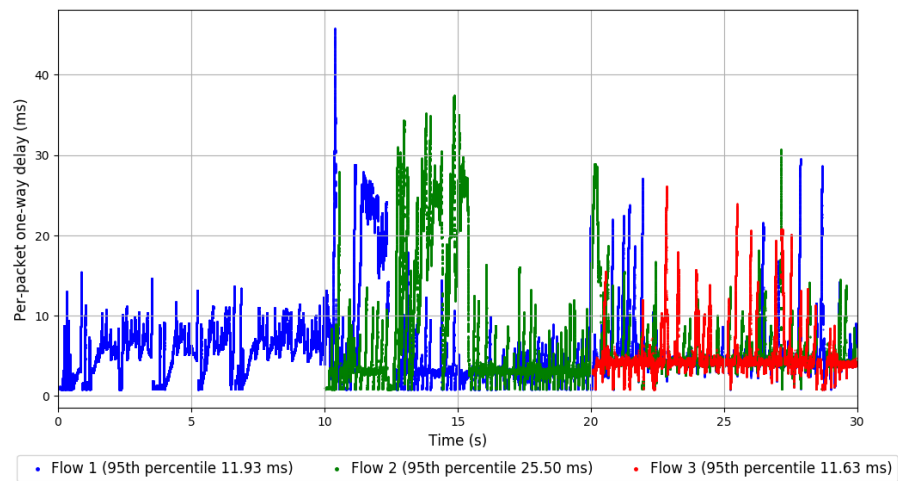
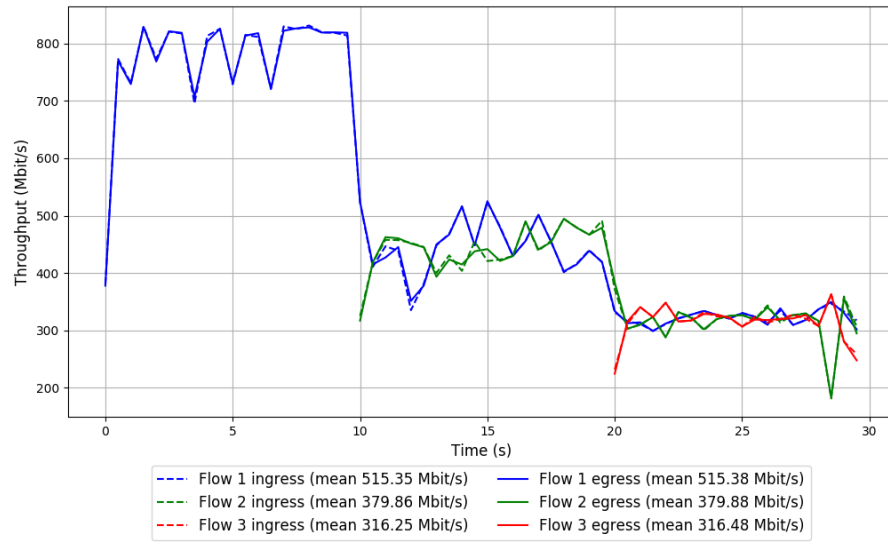


Run 6: Statistics of TCP BBR

Start at: 2018-03-27 16:53:21
End at: 2018-03-27 16:53:51
Local clock offset: -0.096 ms
Remote clock offset: -4.255 ms

Below is generated by plot.py at 2018-03-28 00:21:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 872.91 Mbit/s
95th percentile per-packet one-way delay: 17.966 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 515.38 Mbit/s
95th percentile per-packet one-way delay: 11.934 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 379.88 Mbit/s
95th percentile per-packet one-way delay: 25.503 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 316.48 Mbit/s
95th percentile per-packet one-way delay: 11.634 ms
Loss rate: 0.21%

Run 6: Report of TCP BBR — Data Link

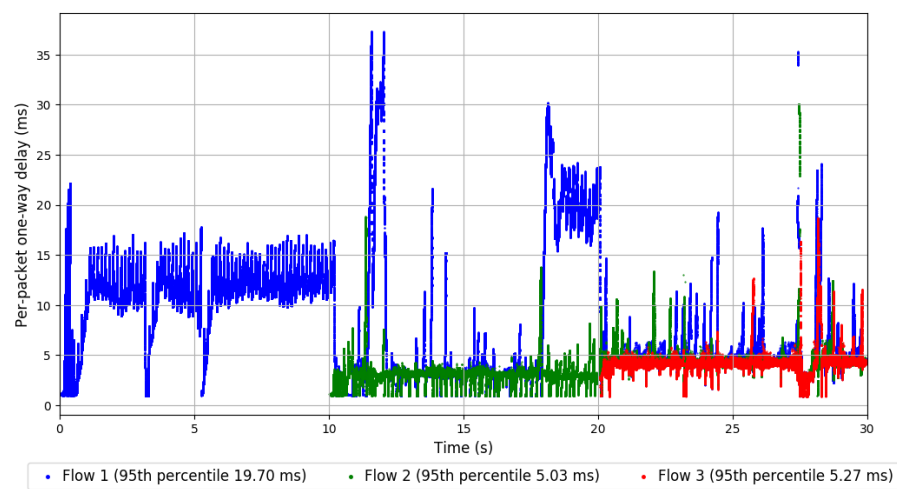
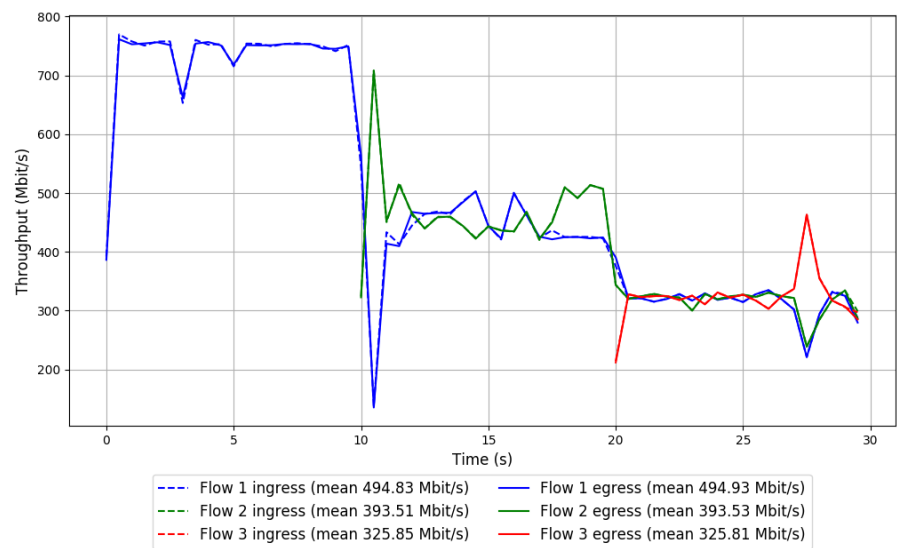


Run 7: Statistics of TCP BBR

Start at: 2018-03-27 17:22:19
End at: 2018-03-27 17:22:49
Local clock offset: 0.752 ms
Remote clock offset: -5.791 ms

Below is generated by plot.py at 2018-03-28 00:21:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 864.57 Mbit/s
95th percentile per-packet one-way delay: 15.842 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 494.93 Mbit/s
95th percentile per-packet one-way delay: 19.705 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.53 Mbit/s
95th percentile per-packet one-way delay: 5.033 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 325.81 Mbit/s
95th percentile per-packet one-way delay: 5.269 ms
Loss rate: 0.23%

Run 7: Report of TCP BBR — Data Link

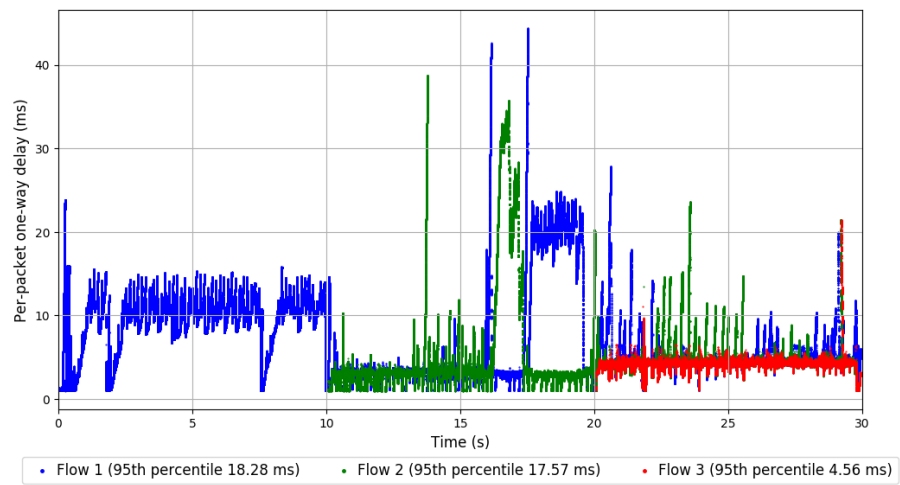
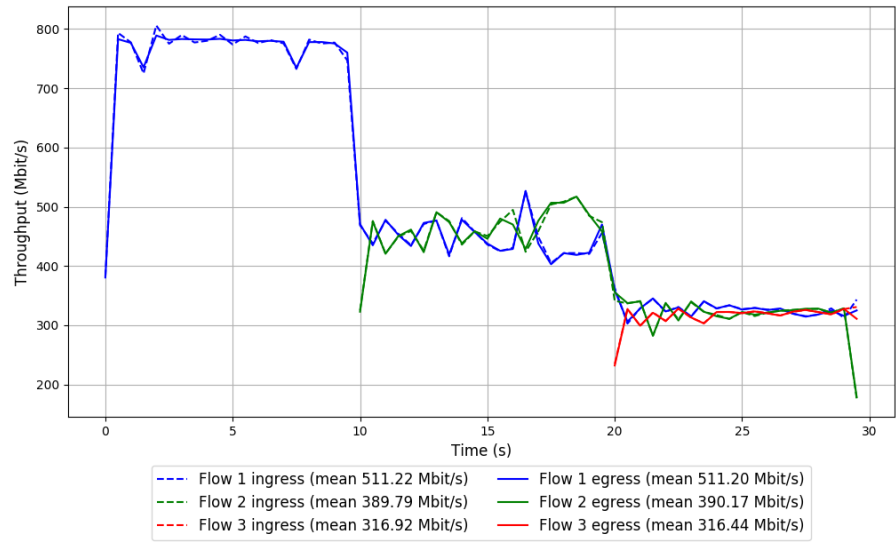


Run 8: Statistics of TCP BBR

Start at: 2018-03-27 17:51:20
End at: 2018-03-27 17:51:50
Local clock offset: 1.632 ms
Remote clock offset: -4.986 ms

Below is generated by plot.py at 2018-03-28 00:21:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 875.63 Mbit/s
95th percentile per-packet one-way delay: 16.124 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 511.20 Mbit/s
95th percentile per-packet one-way delay: 18.277 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 390.17 Mbit/s
95th percentile per-packet one-way delay: 17.568 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 316.44 Mbit/s
95th percentile per-packet one-way delay: 4.561 ms
Loss rate: 0.36%

Run 8: Report of TCP BBR — Data Link

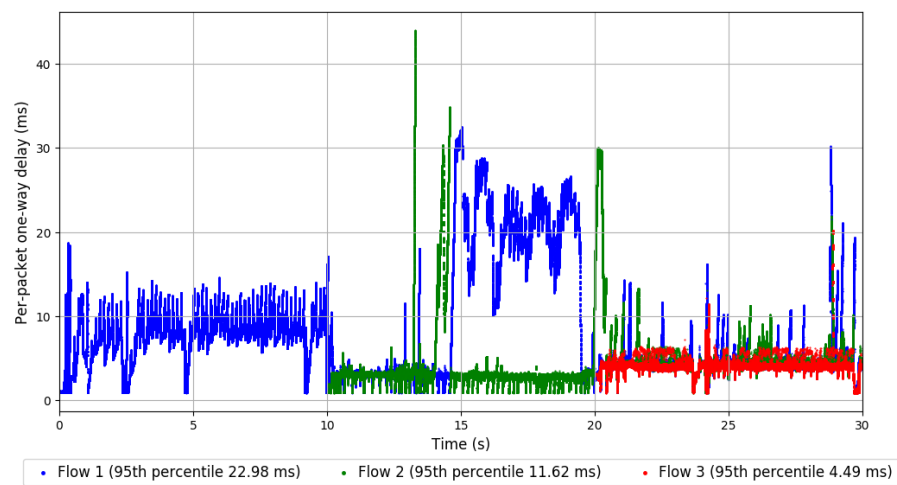
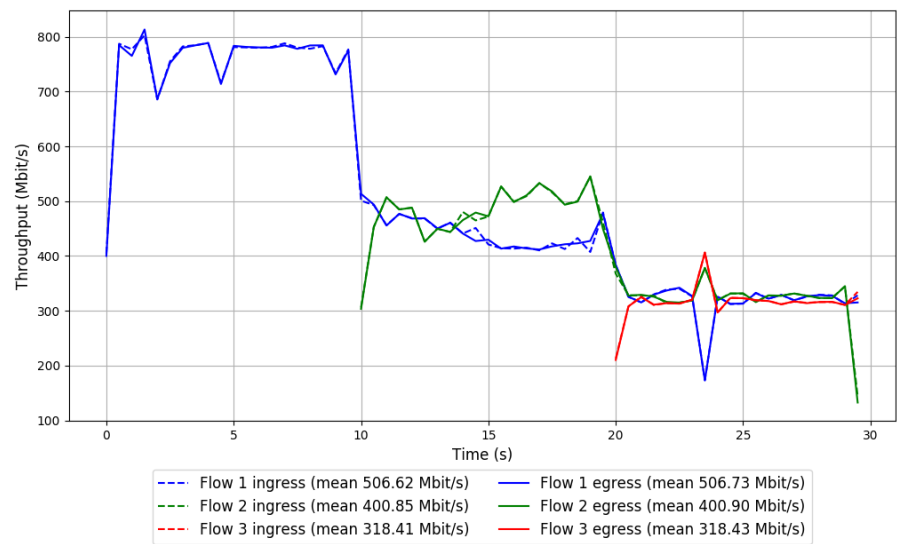


Run 9: Statistics of TCP BBR

Start at: 2018-03-27 18:20:17
End at: 2018-03-27 18:20:47
Local clock offset: 1.039 ms
Remote clock offset: -5.872 ms

Below is generated by plot.py at 2018-03-28 00:32:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 878.71 Mbit/s
95th percentile per-packet one-way delay: 21.028 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 506.73 Mbit/s
95th percentile per-packet one-way delay: 22.975 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 400.90 Mbit/s
95th percentile per-packet one-way delay: 11.624 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.43 Mbit/s
95th percentile per-packet one-way delay: 4.486 ms
Loss rate: 0.23%

Run 9: Report of TCP BBR — Data Link

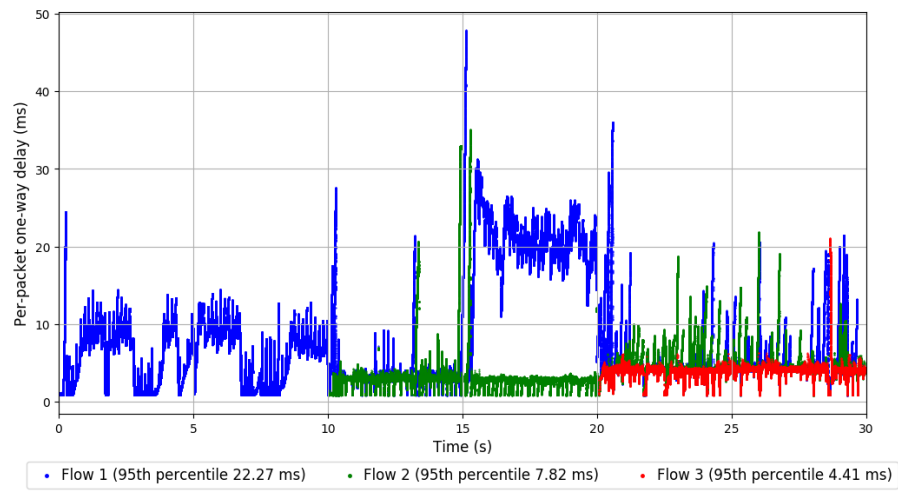
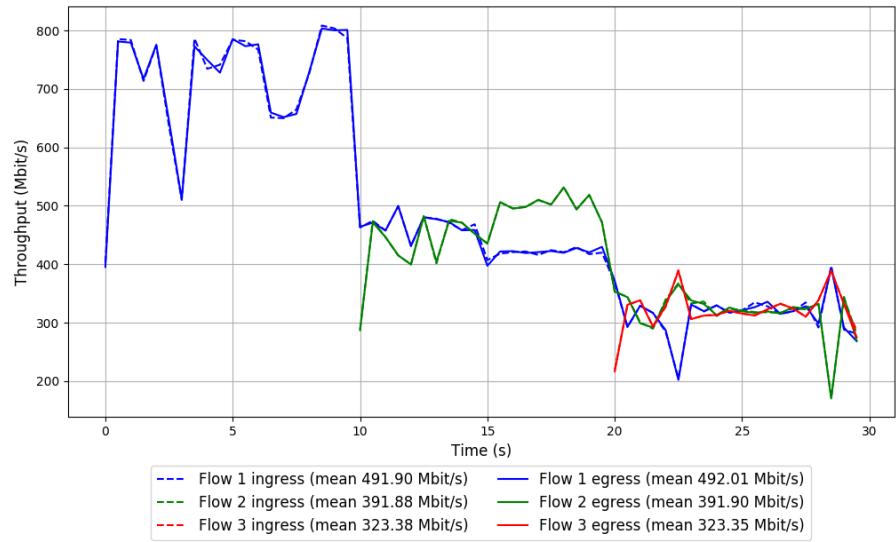


Run 10: Statistics of TCP BBR

Start at: 2018-03-27 18:49:09
End at: 2018-03-27 18:49:39
Local clock offset: 9.016 ms
Remote clock offset: -5.967 ms

Below is generated by plot.py at 2018-03-28 00:33:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 859.55 Mbit/s
95th percentile per-packet one-way delay: 20.226 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 492.01 Mbit/s
95th percentile per-packet one-way delay: 22.266 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 391.90 Mbit/s
95th percentile per-packet one-way delay: 7.817 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 323.35 Mbit/s
95th percentile per-packet one-way delay: 4.407 ms
Loss rate: 0.23%

Run 10: Report of TCP BBR — Data Link

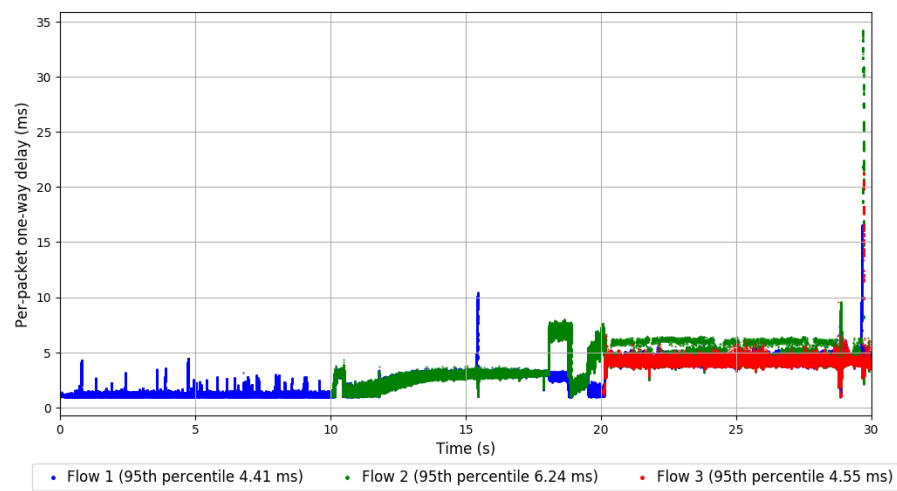
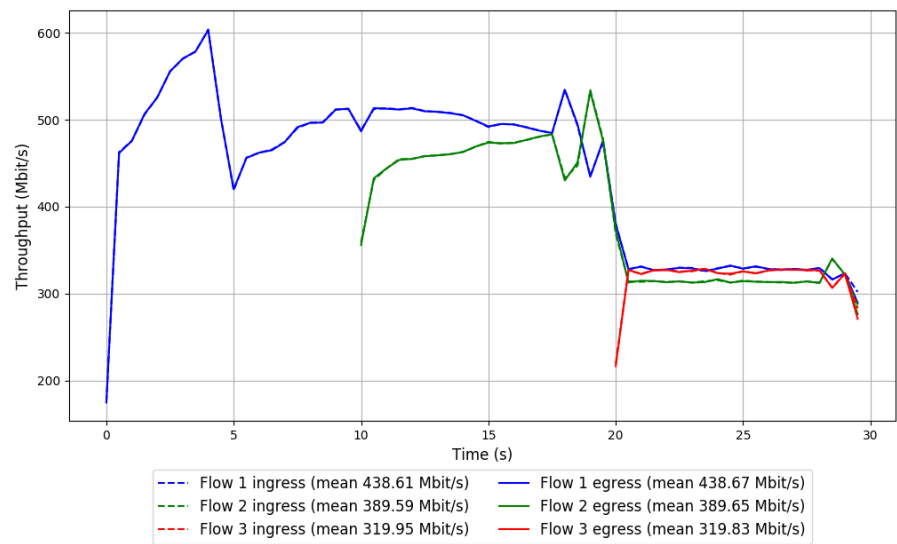


Run 1: Statistics of TCP Cubic

Start at: 2018-03-27 14:35:46
End at: 2018-03-27 14:36:16
Local clock offset: 4.861 ms
Remote clock offset: -4.892 ms

Below is generated by plot.py at 2018-03-28 00:33:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 803.75 Mbit/s
95th percentile per-packet one-way delay: 4.681 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 438.67 Mbit/s
95th percentile per-packet one-way delay: 4.408 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 389.65 Mbit/s
95th percentile per-packet one-way delay: 6.242 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 319.83 Mbit/s
95th percentile per-packet one-way delay: 4.553 ms
Loss rate: 0.24%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-03-27 15:04:52

End at: 2018-03-27 15:05:22

Local clock offset: 2.405 ms

Remote clock offset: -4.14 ms

Below is generated by plot.py at 2018-03-28 00:33:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 730.58 Mbit/s

95th percentile per-packet one-way delay: 4.079 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 422.73 Mbit/s

95th percentile per-packet one-way delay: 4.255 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 282.34 Mbit/s

95th percentile per-packet one-way delay: 3.548 ms

Loss rate: 0.11%

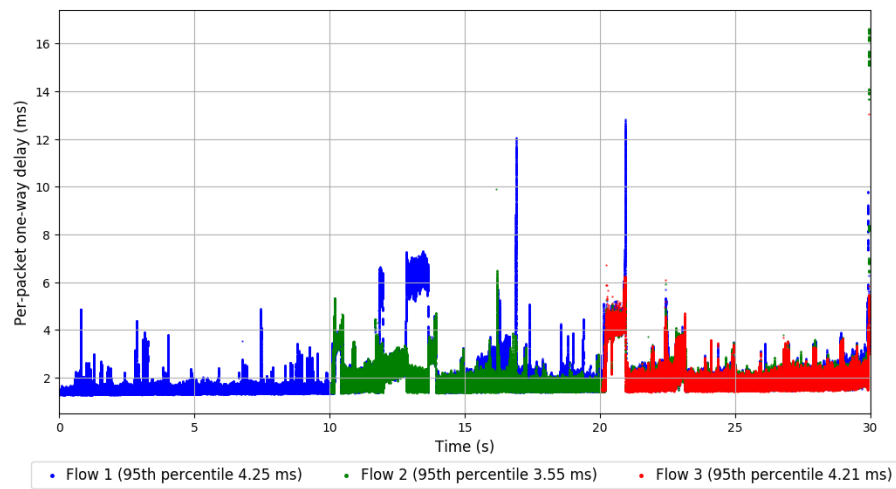
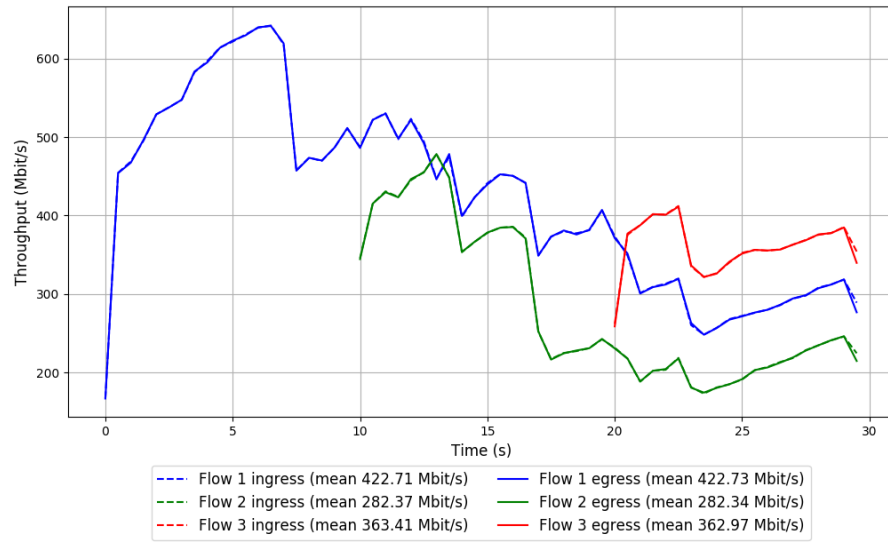
-- Flow 3:

Average throughput: 362.97 Mbit/s

95th percentile per-packet one-way delay: 4.206 ms

Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

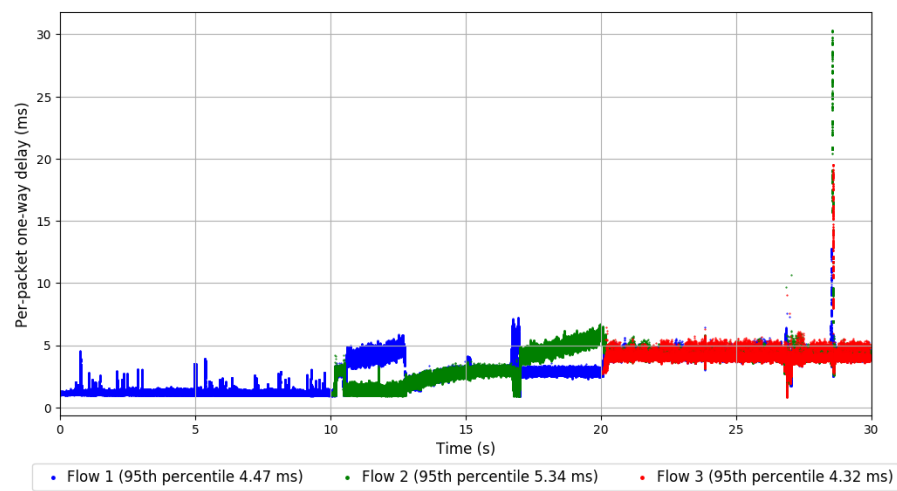
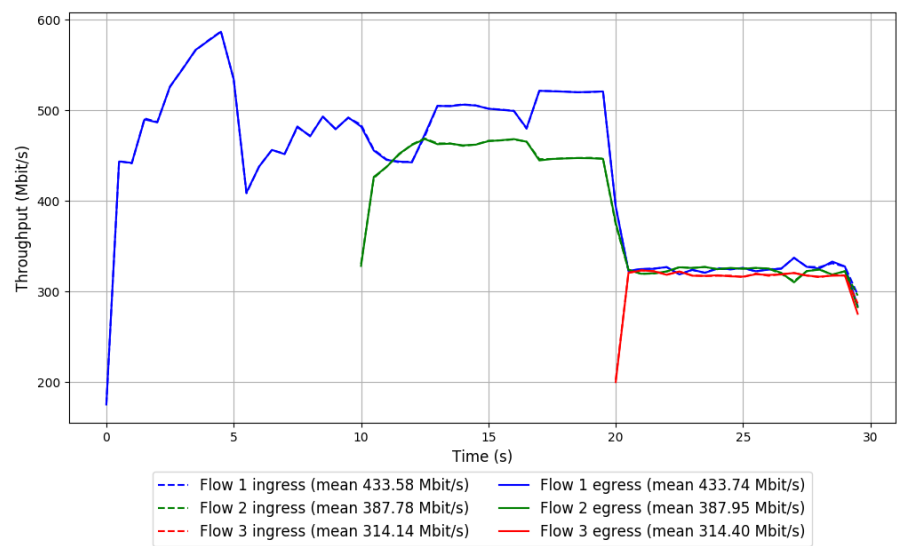


Run 3: Statistics of TCP Cubic

Start at: 2018-03-27 15:33:27
End at: 2018-03-27 15:33:57
Local clock offset: -2.94 ms
Remote clock offset: -4.921 ms

Below is generated by plot.py at 2018-03-28 00:33:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 795.55 Mbit/s
95th percentile per-packet one-way delay: 4.780 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 433.74 Mbit/s
95th percentile per-packet one-way delay: 4.474 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 387.95 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 314.40 Mbit/s
95th percentile per-packet one-way delay: 4.320 ms
Loss rate: 0.23%

Run 3: Report of TCP Cubic — Data Link

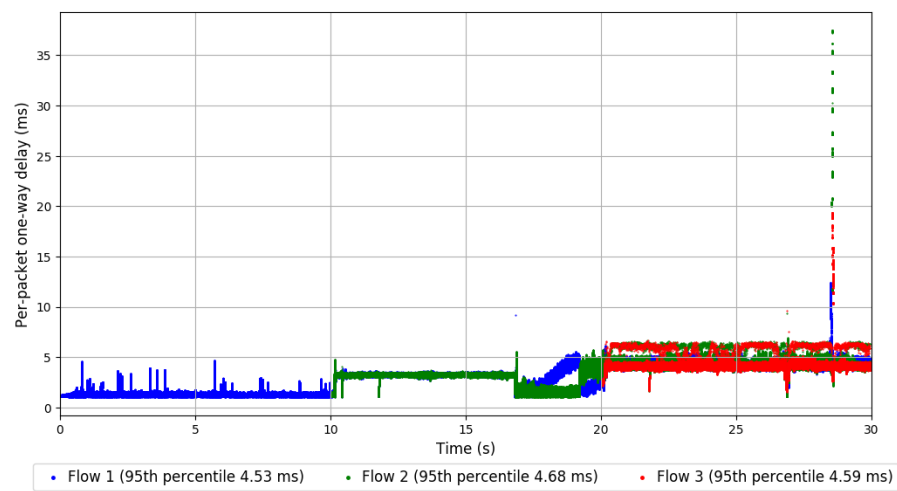
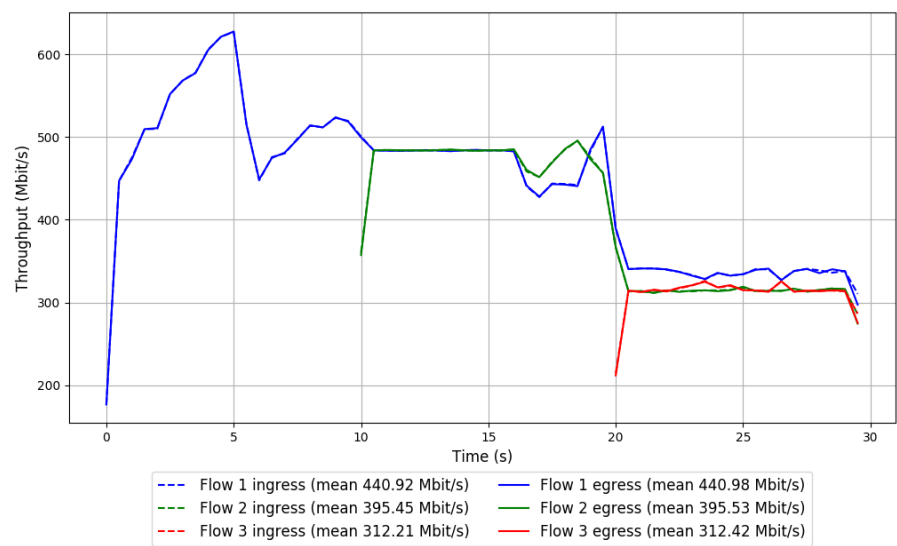


Run 4: Statistics of TCP Cubic

Start at: 2018-03-27 16:02:17
End at: 2018-03-27 16:02:47
Local clock offset: -0.355 ms
Remote clock offset: -5.879 ms

Below is generated by plot.py at 2018-03-28 00:33:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 807.56 Mbit/s
95th percentile per-packet one-way delay: 4.581 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 440.98 Mbit/s
95th percentile per-packet one-way delay: 4.527 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 395.53 Mbit/s
95th percentile per-packet one-way delay: 4.684 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 312.42 Mbit/s
95th percentile per-packet one-way delay: 4.593 ms
Loss rate: 0.23%

Run 4: Report of TCP Cubic — Data Link

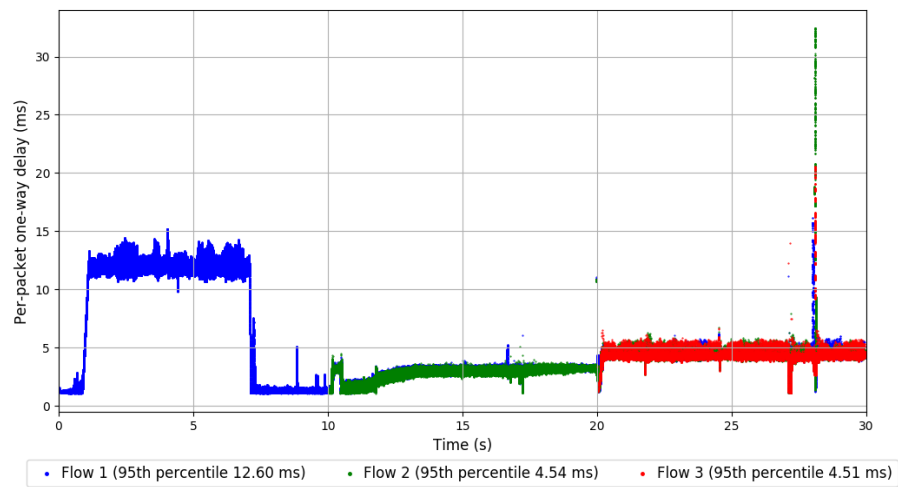
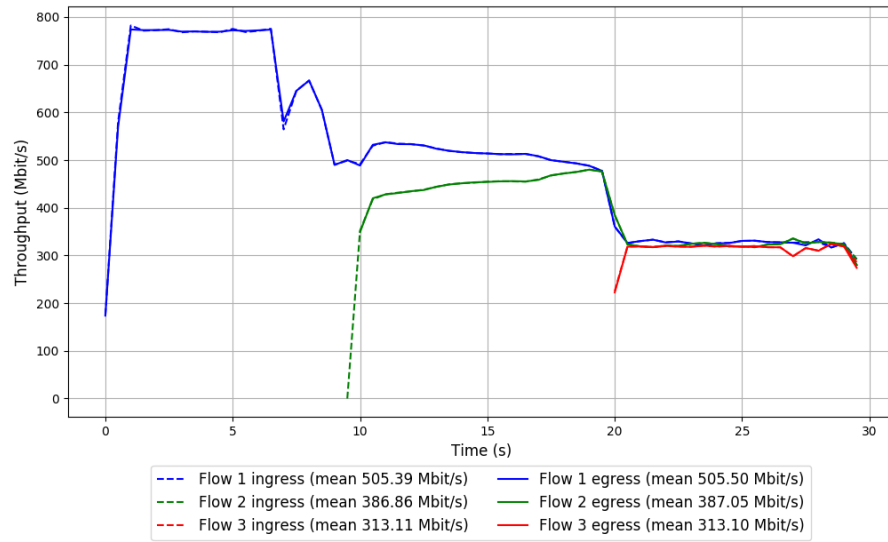


Run 5: Statistics of TCP Cubic

Start at: 2018-03-27 16:31:16
End at: 2018-03-27 16:31:46
Local clock offset: -0.476 ms
Remote clock offset: -5.227 ms

Below is generated by plot.py at 2018-03-28 00:33:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 866.93 Mbit/s
95th percentile per-packet one-way delay: 12.293 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 505.50 Mbit/s
95th percentile per-packet one-way delay: 12.600 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 387.05 Mbit/s
95th percentile per-packet one-way delay: 4.543 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 313.10 Mbit/s
95th percentile per-packet one-way delay: 4.512 ms
Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link

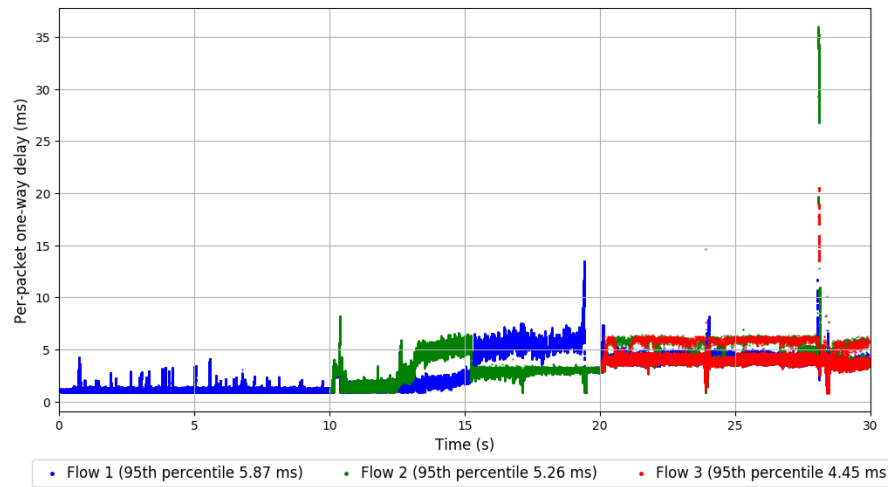
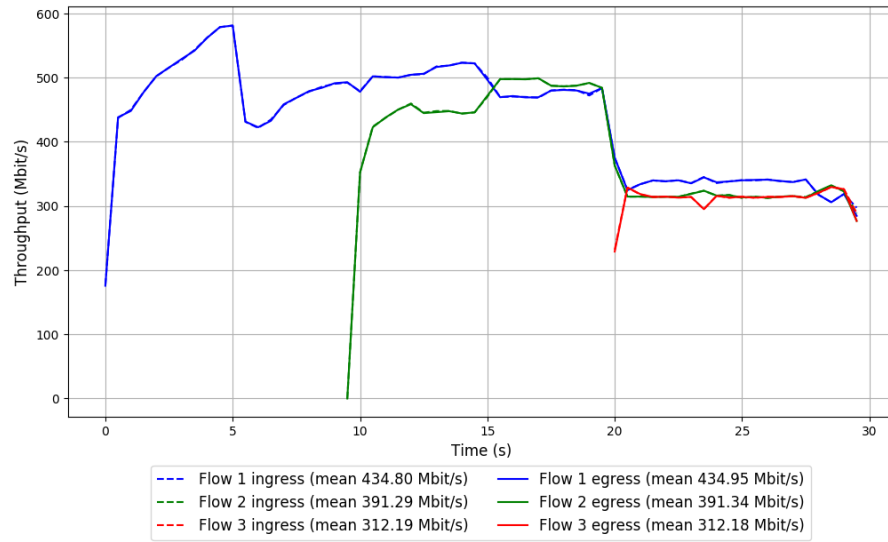


Run 6: Statistics of TCP Cubic

Start at: 2018-03-27 17:00:15
End at: 2018-03-27 17:00:45
Local clock offset: 0.038 ms
Remote clock offset: -4.865 ms

Below is generated by plot.py at 2018-03-28 00:33:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 799.06 Mbit/s
95th percentile per-packet one-way delay: 5.589 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 434.95 Mbit/s
95th percentile per-packet one-way delay: 5.867 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 391.34 Mbit/s
95th percentile per-packet one-way delay: 5.263 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 312.18 Mbit/s
95th percentile per-packet one-way delay: 4.448 ms
Loss rate: 0.23%

Run 6: Report of TCP Cubic — Data Link

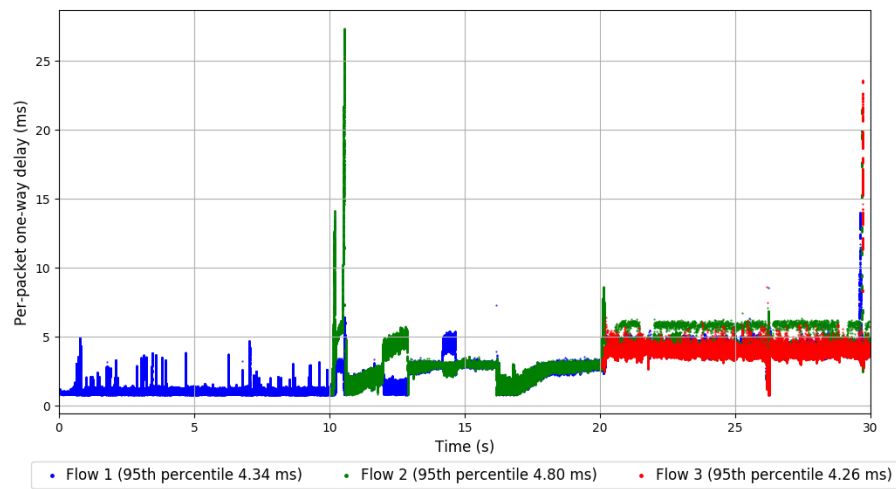
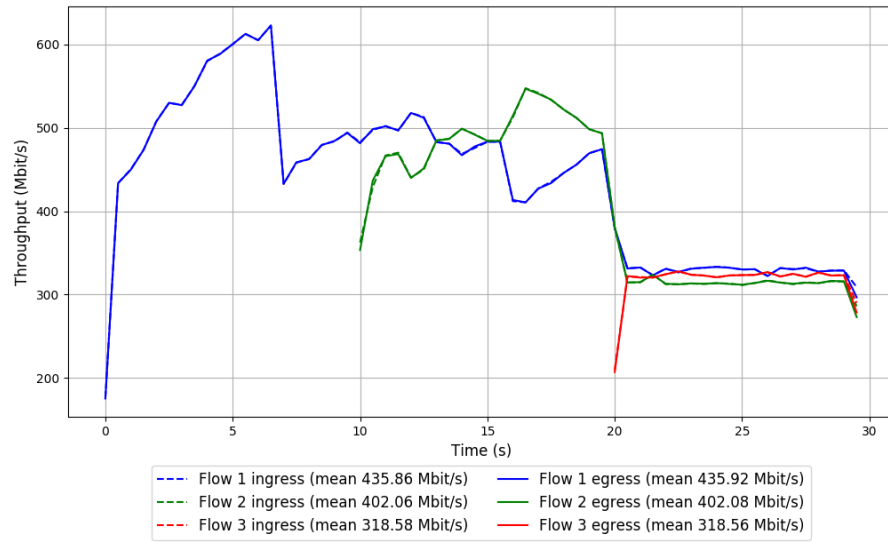


Run 7: Statistics of TCP Cubic

Start at: 2018-03-27 17:29:16
End at: 2018-03-27 17:29:46
Local clock offset: 1.111 ms
Remote clock offset: -5.686 ms

Below is generated by plot.py at 2018-03-28 00:42:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 808.91 Mbit/s
95th percentile per-packet one-way delay: 4.465 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 435.92 Mbit/s
95th percentile per-packet one-way delay: 4.340 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 402.08 Mbit/s
95th percentile per-packet one-way delay: 4.802 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.56 Mbit/s
95th percentile per-packet one-way delay: 4.265 ms
Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link

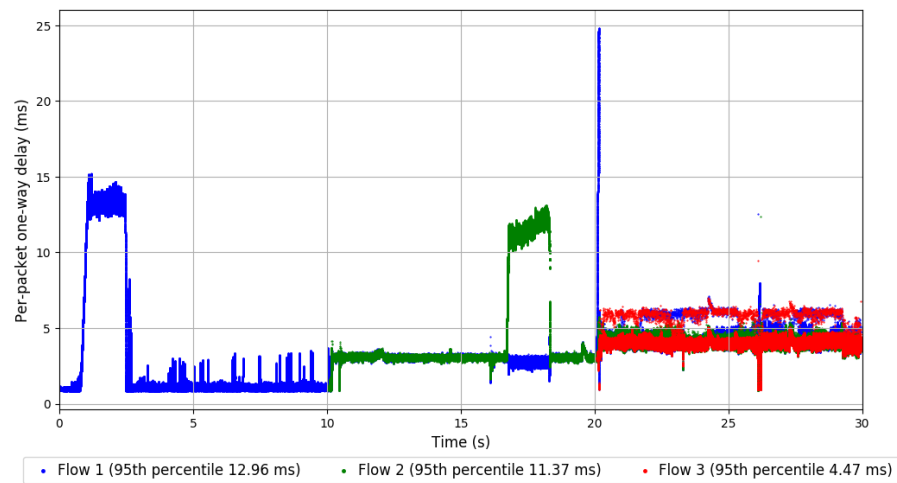
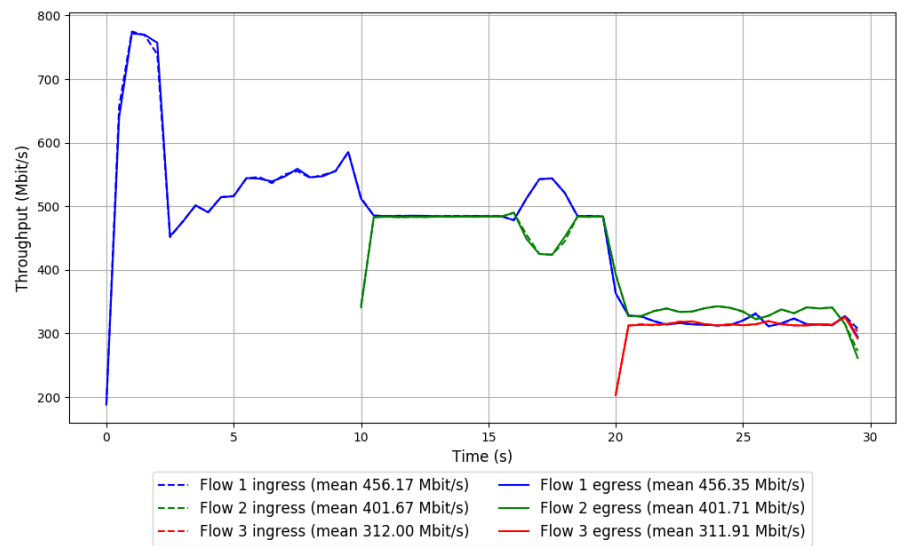


Run 8: Statistics of TCP Cubic

Start at: 2018-03-27 17:58:16
End at: 2018-03-27 17:58:46
Local clock offset: 1.253 ms
Remote clock offset: -4.743 ms

Below is generated by plot.py at 2018-03-28 00:43:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 826.73 Mbit/s
95th percentile per-packet one-way delay: 12.149 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 456.35 Mbit/s
95th percentile per-packet one-way delay: 12.963 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 401.71 Mbit/s
95th percentile per-packet one-way delay: 11.371 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 311.91 Mbit/s
95th percentile per-packet one-way delay: 4.472 ms
Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link

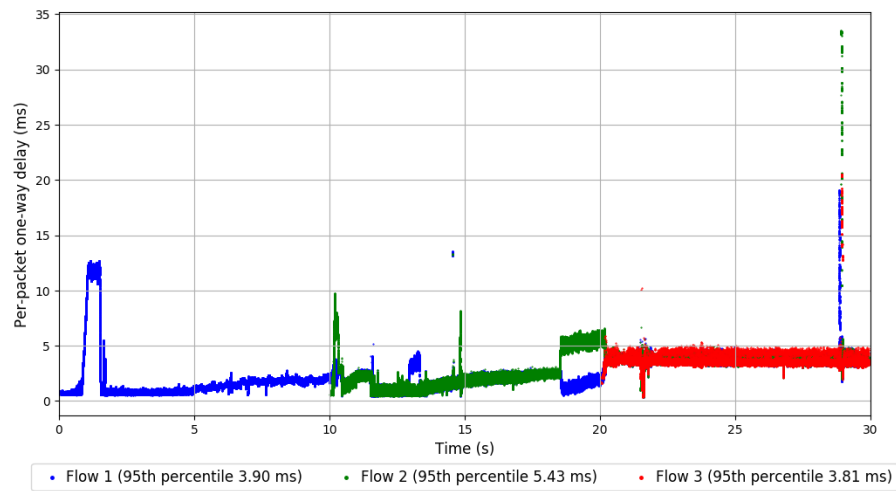
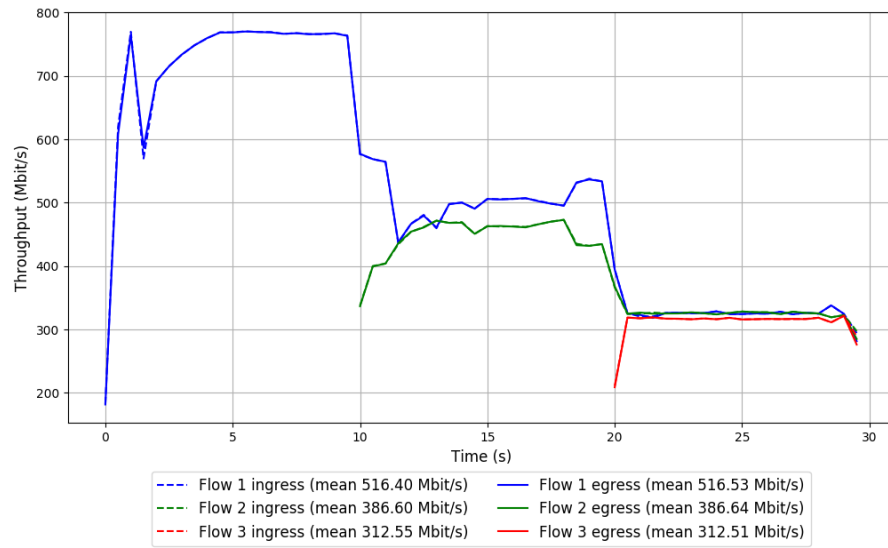


Run 9: Statistics of TCP Cubic

Start at: 2018-03-27 18:27:10
End at: 2018-03-27 18:27:40
Local clock offset: 2.941 ms
Remote clock offset: -5.895 ms

Below is generated by plot.py at 2018-03-28 00:44:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 877.28 Mbit/s
95th percentile per-packet one-way delay: 4.537 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 516.53 Mbit/s
95th percentile per-packet one-way delay: 3.898 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 386.64 Mbit/s
95th percentile per-packet one-way delay: 5.428 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 312.51 Mbit/s
95th percentile per-packet one-way delay: 3.812 ms
Loss rate: 0.24%

Run 9: Report of TCP Cubic — Data Link

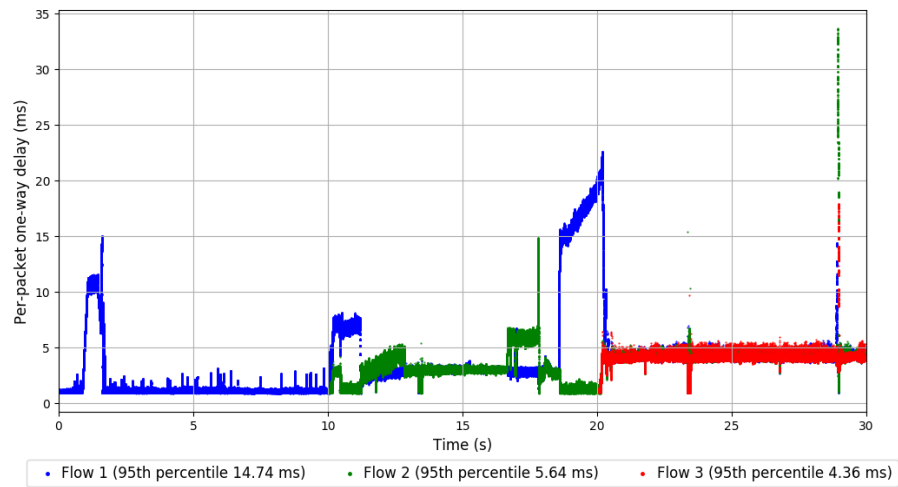
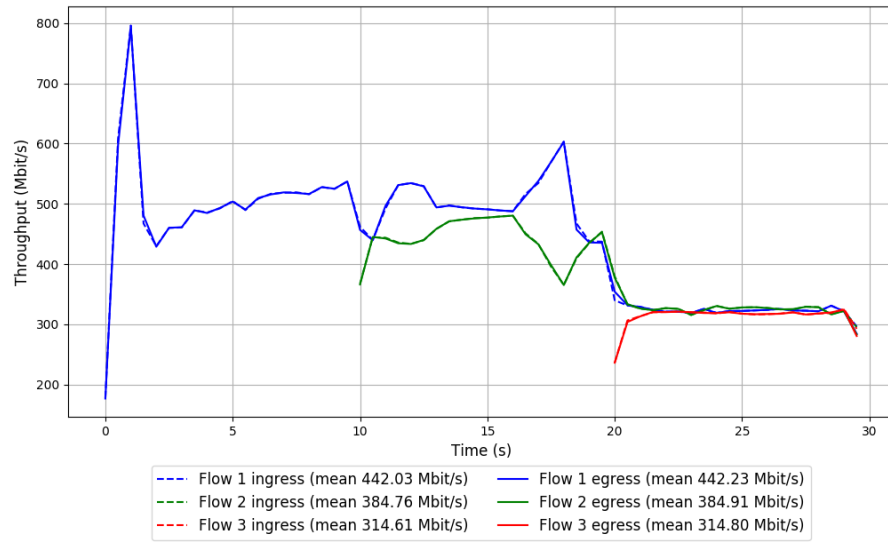


Run 10: Statistics of TCP Cubic

Start at: 2018-03-27 18:56:08
End at: 2018-03-27 18:56:38
Local clock offset: 9.857 ms
Remote clock offset: -5.952 ms

Below is generated by plot.py at 2018-03-28 00:44:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 802.71 Mbit/s
95th percentile per-packet one-way delay: 7.804 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 442.23 Mbit/s
95th percentile per-packet one-way delay: 14.742 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 384.91 Mbit/s
95th percentile per-packet one-way delay: 5.644 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 314.80 Mbit/s
95th percentile per-packet one-way delay: 4.363 ms
Loss rate: 0.23%

Run 10: Report of TCP Cubic — Data Link

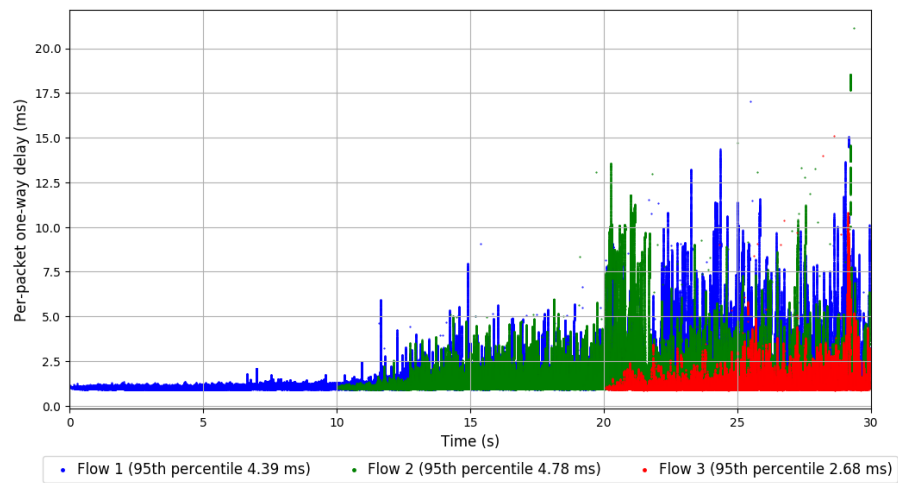
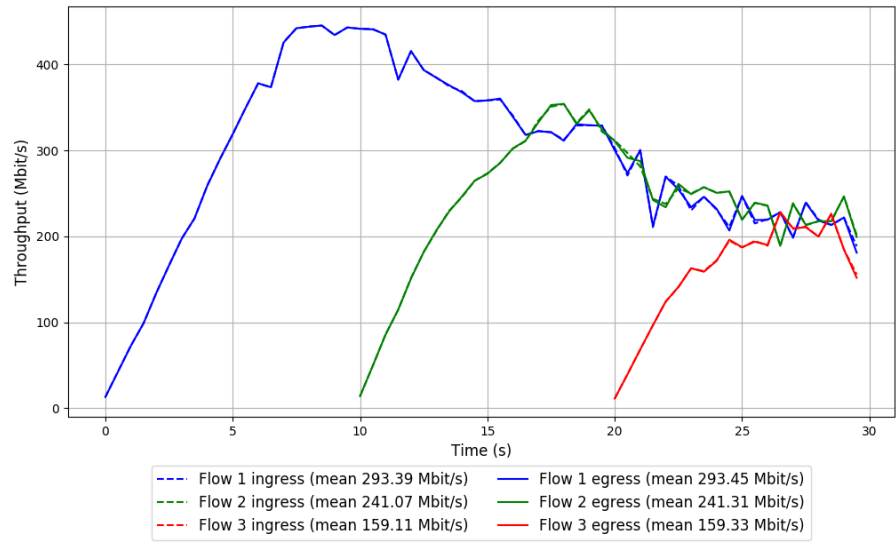


Run 1: Statistics of LEDBAT

Start at: 2018-03-27 14:34:04
End at: 2018-03-27 14:34:34
Local clock offset: 4.832 ms
Remote clock offset: -4.902 ms

Below is generated by plot.py at 2018-03-28 00:44:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.51 Mbit/s
95th percentile per-packet one-way delay: 4.371 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 293.45 Mbit/s
95th percentile per-packet one-way delay: 4.393 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 241.31 Mbit/s
95th percentile per-packet one-way delay: 4.777 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 159.33 Mbit/s
95th percentile per-packet one-way delay: 2.683 ms
Loss rate: 0.12%

Run 1: Report of LEDBAT — Data Link

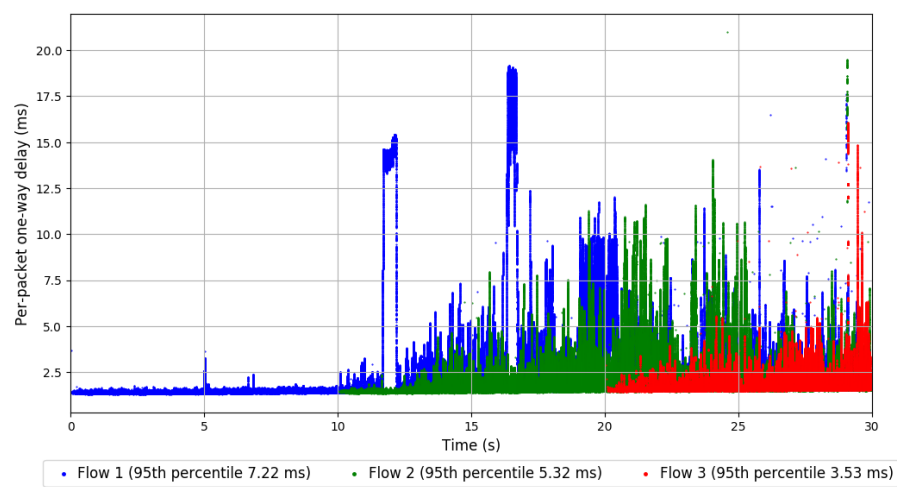
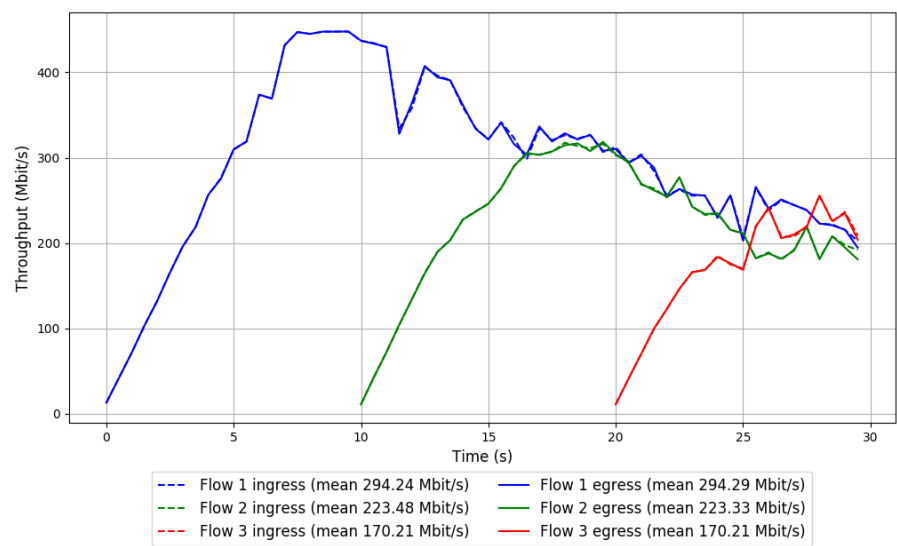


Run 2: Statistics of LEDBAT

Start at: 2018-03-27 15:03:10
End at: 2018-03-27 15:03:40
Local clock offset: 3.165 ms
Remote clock offset: -4.188 ms

Below is generated by plot.py at 2018-03-28 00:44:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 498.98 Mbit/s
95th percentile per-packet one-way delay: 5.957 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 294.29 Mbit/s
95th percentile per-packet one-way delay: 7.220 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 223.33 Mbit/s
95th percentile per-packet one-way delay: 5.317 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 170.21 Mbit/s
95th percentile per-packet one-way delay: 3.531 ms
Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-03-27 15:31:46

End at: 2018-03-27 15:32:16

Local clock offset: -2.77 ms

Remote clock offset: -4.87 ms

Below is generated by plot.py at 2018-03-28 00:44:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 480.89 Mbit/s

95th percentile per-packet one-way delay: 8.611 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 268.81 Mbit/s

95th percentile per-packet one-way delay: 8.880 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 228.21 Mbit/s

95th percentile per-packet one-way delay: 6.154 ms

Loss rate: 0.13%

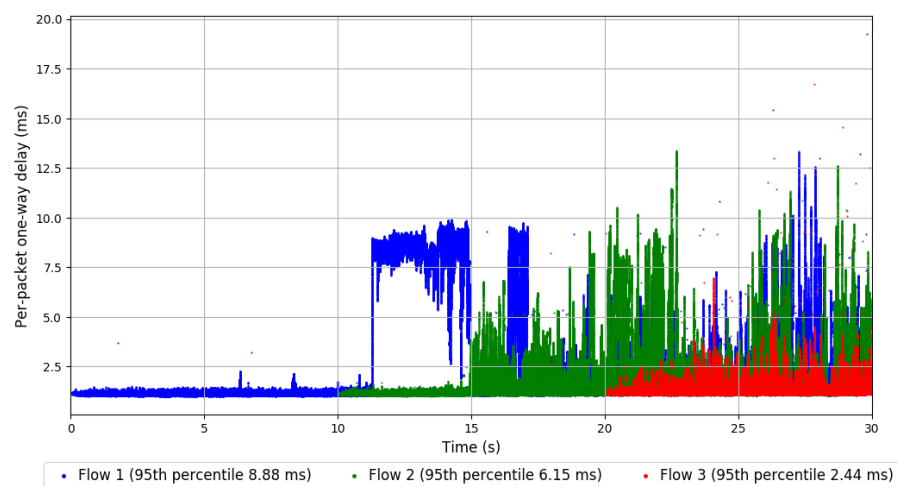
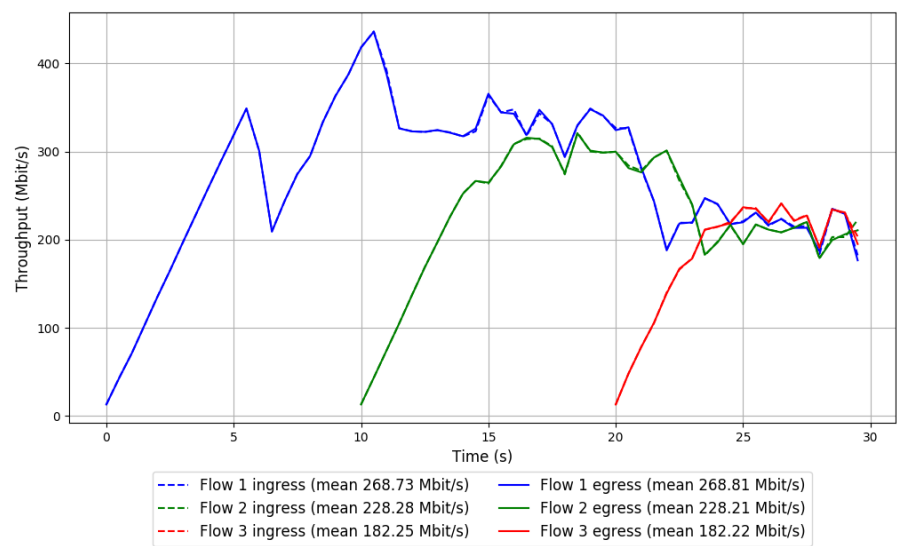
-- Flow 3:

Average throughput: 182.22 Mbit/s

95th percentile per-packet one-way delay: 2.440 ms

Loss rate: 0.24%

Run 3: Report of LEDBAT — Data Link

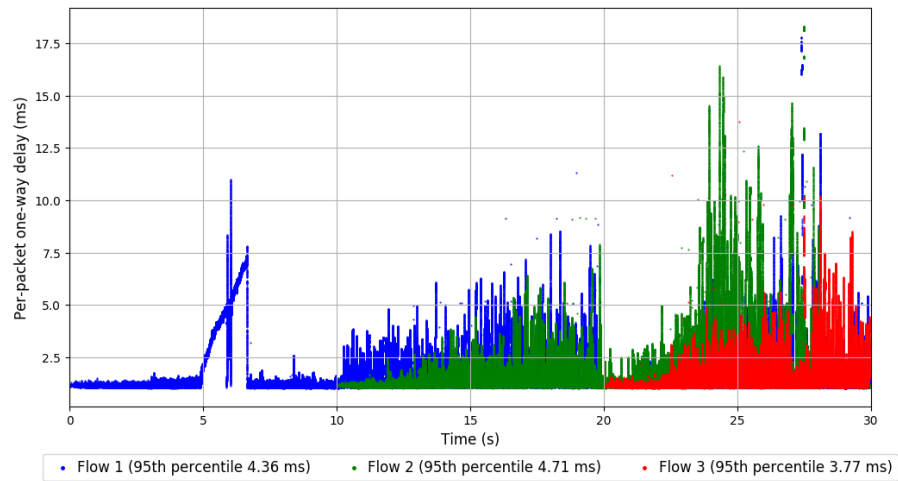
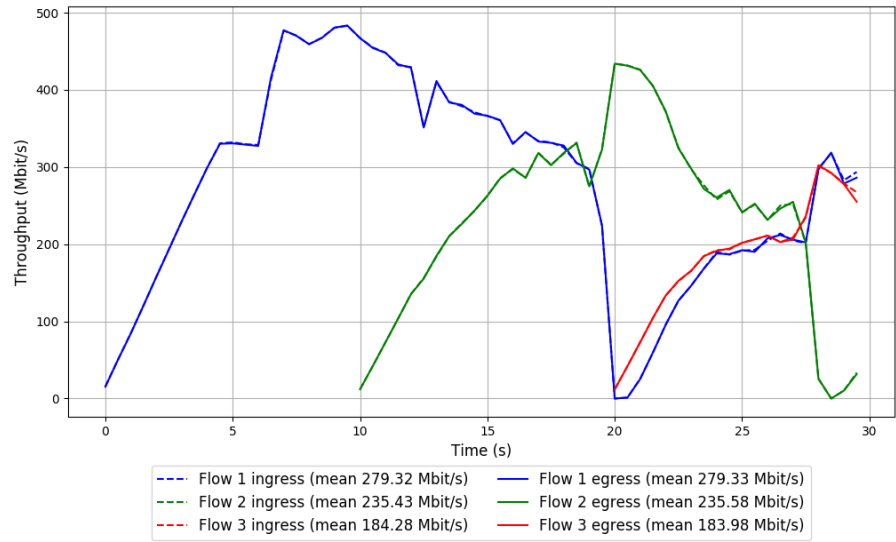


Run 4: Statistics of LEDBAT

Start at: 2018-03-27 16:00:35
End at: 2018-03-27 16:01:05
Local clock offset: -0.307 ms
Remote clock offset: -5.838 ms

Below is generated by plot.py at 2018-03-28 00:44:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.79 Mbit/s
95th percentile per-packet one-way delay: 4.354 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 279.33 Mbit/s
95th percentile per-packet one-way delay: 4.363 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 235.58 Mbit/s
95th percentile per-packet one-way delay: 4.708 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 183.98 Mbit/s
95th percentile per-packet one-way delay: 3.772 ms
Loss rate: 0.37%

Run 4: Report of LEDBAT — Data Link

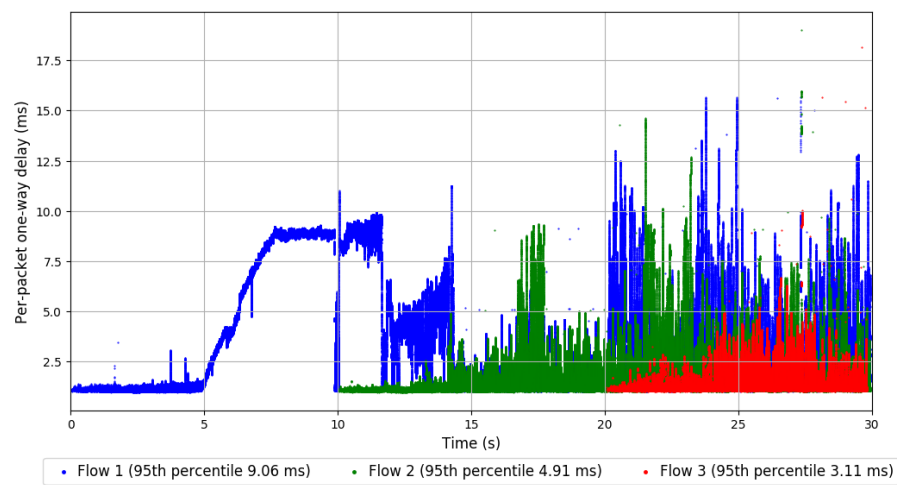
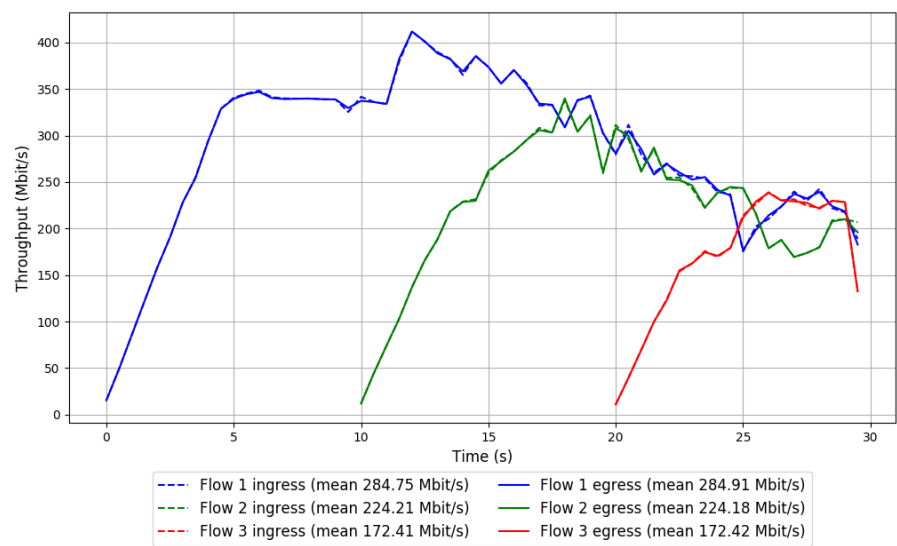


Run 5: Statistics of LEDBAT

Start at: 2018-03-27 16:29:33
End at: 2018-03-27 16:30:03
Local clock offset: -0.444 ms
Remote clock offset: -5.307 ms

Below is generated by plot.py at 2018-03-28 00:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.16 Mbit/s
95th percentile per-packet one-way delay: 8.937 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 284.91 Mbit/s
95th percentile per-packet one-way delay: 9.058 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 224.18 Mbit/s
95th percentile per-packet one-way delay: 4.911 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 172.42 Mbit/s
95th percentile per-packet one-way delay: 3.108 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

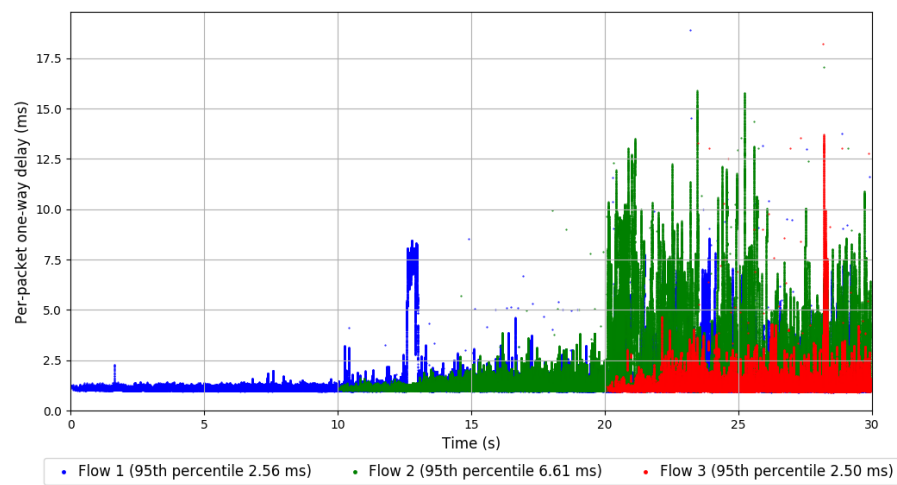
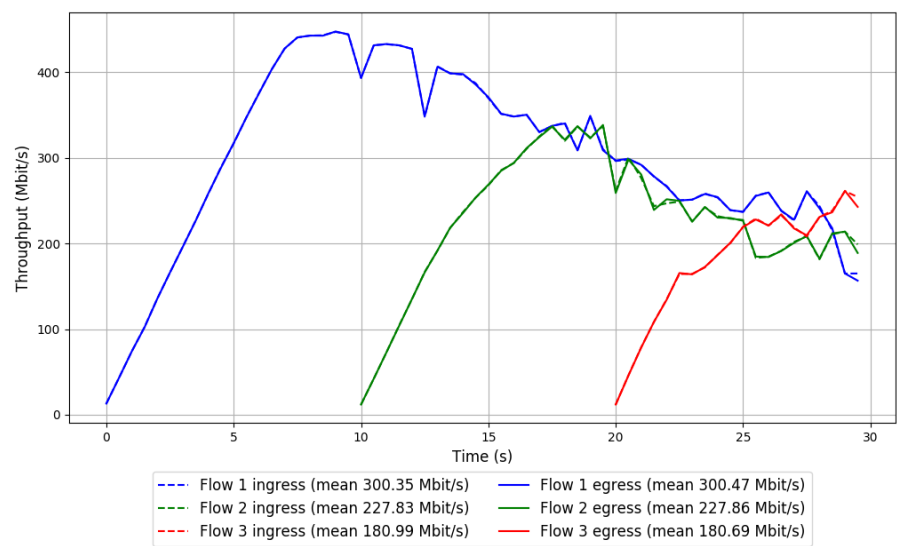


Run 6: Statistics of LEDBAT

Start at: 2018-03-27 16:58:33
End at: 2018-03-27 16:59:03
Local clock offset: 0.107 ms
Remote clock offset: -4.651 ms

Below is generated by plot.py at 2018-03-28 00:47:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 511.61 Mbit/s
95th percentile per-packet one-way delay: 4.252 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 300.47 Mbit/s
95th percentile per-packet one-way delay: 2.558 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 227.86 Mbit/s
95th percentile per-packet one-way delay: 6.612 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 180.69 Mbit/s
95th percentile per-packet one-way delay: 2.495 ms
Loss rate: 0.36%

Run 6: Report of LEDBAT — Data Link

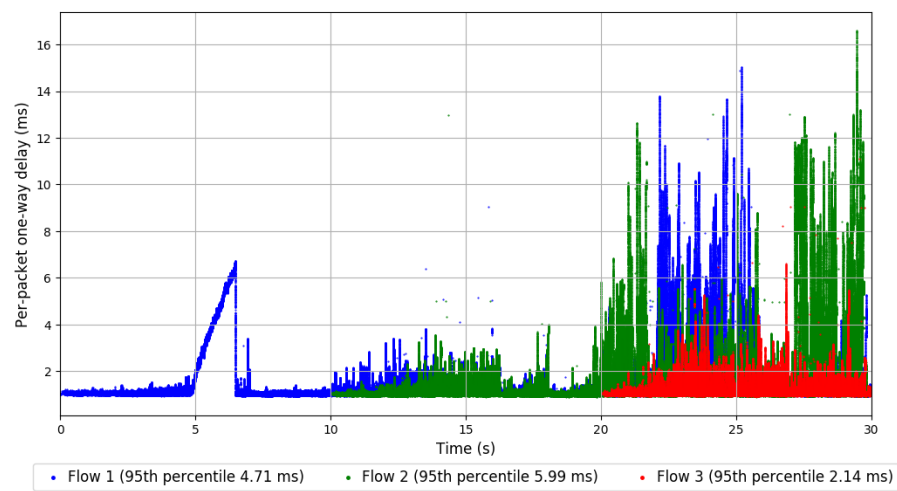
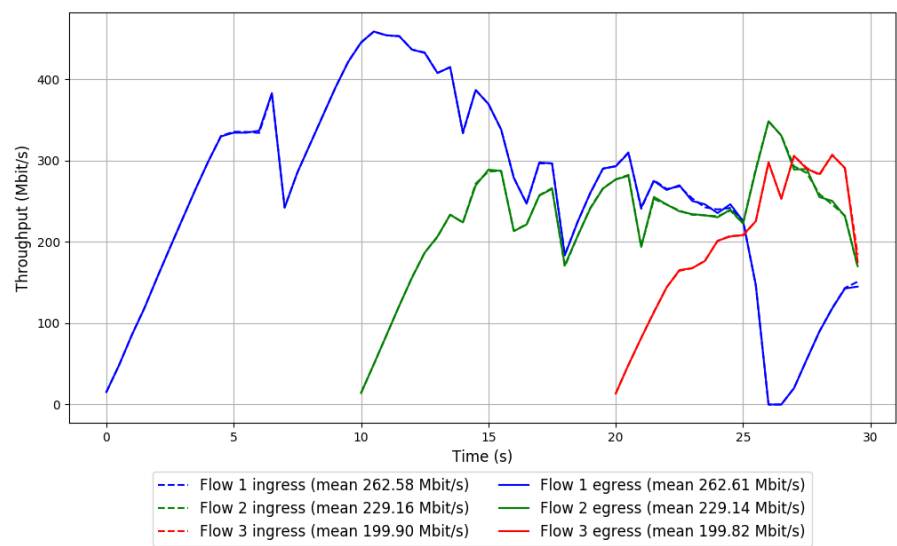


Run 7: Statistics of LEDBAT

Start at: 2018-03-27 17:27:35
End at: 2018-03-27 17:28:05
Local clock offset: 1.107 ms
Remote clock offset: -5.757 ms

Below is generated by plot.py at 2018-03-28 00:47:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 480.08 Mbit/s
95th percentile per-packet one-way delay: 4.736 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 262.61 Mbit/s
95th percentile per-packet one-way delay: 4.706 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 229.14 Mbit/s
95th percentile per-packet one-way delay: 5.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 199.82 Mbit/s
95th percentile per-packet one-way delay: 2.144 ms
Loss rate: 0.23%

Run 7: Report of LEDBAT — Data Link

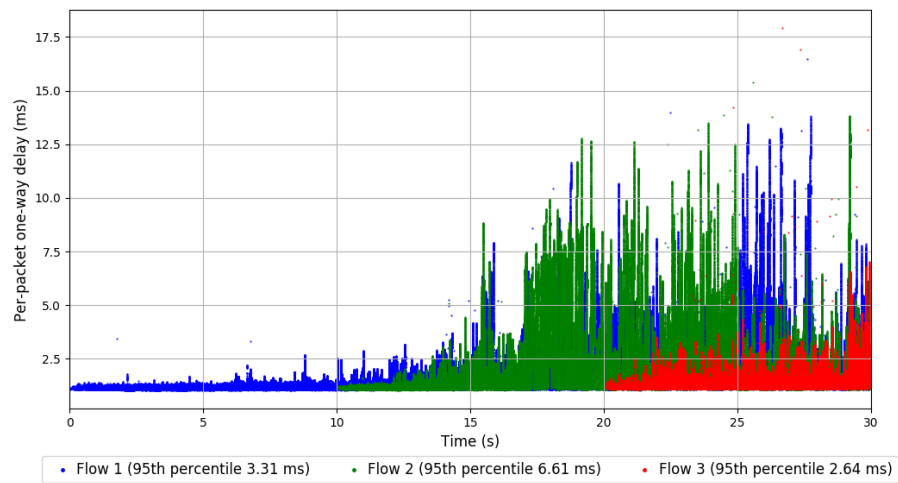
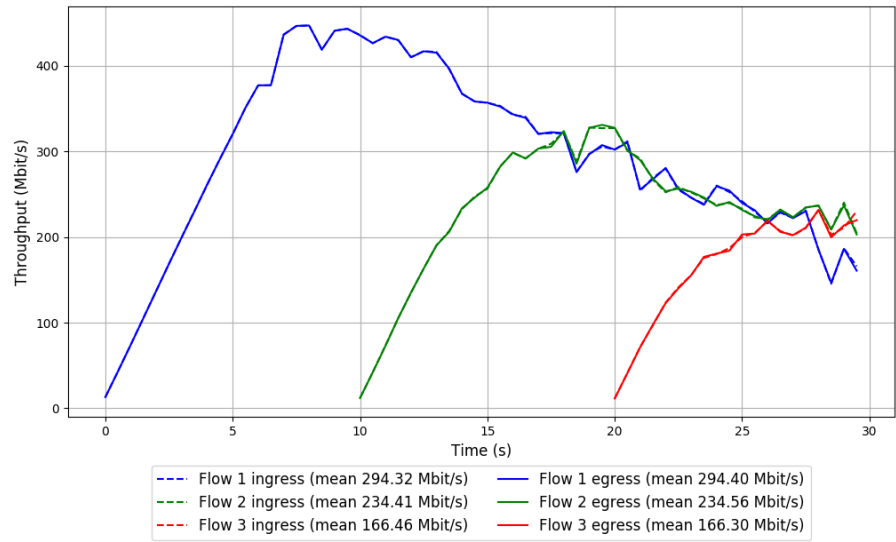


Run 8: Statistics of LEDBAT

Start at: 2018-03-27 17:56:33
End at: 2018-03-27 17:57:03
Local clock offset: 1.4 ms
Remote clock offset: -4.878 ms

Below is generated by plot.py at 2018-03-28 00:47:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 505.33 Mbit/s
95th percentile per-packet one-way delay: 4.755 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 294.40 Mbit/s
95th percentile per-packet one-way delay: 3.306 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 234.56 Mbit/s
95th percentile per-packet one-way delay: 6.612 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 166.30 Mbit/s
95th percentile per-packet one-way delay: 2.638 ms
Loss rate: 0.32%

Run 8: Report of LEDBAT — Data Link

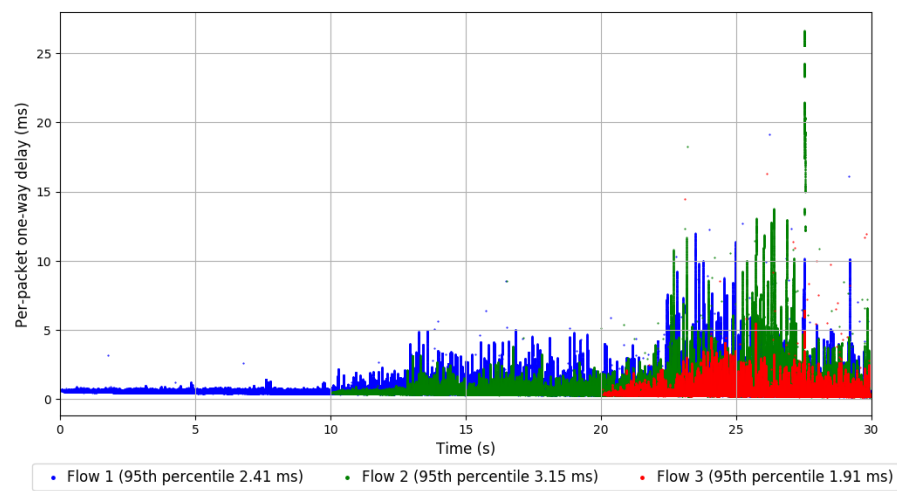
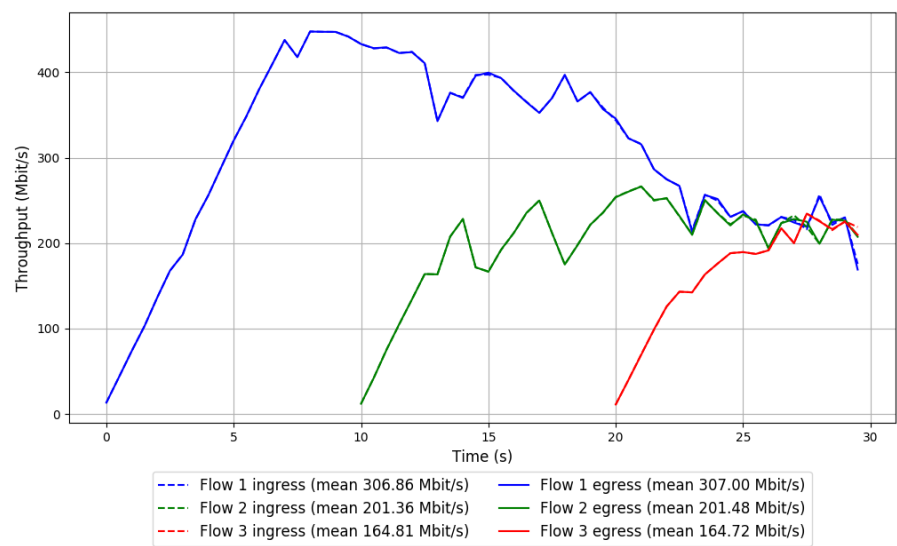


Run 9: Statistics of LEDBAT

Start at: 2018-03-27 18:25:28
End at: 2018-03-27 18:25:58
Local clock offset: 1.754 ms
Remote clock offset: -5.963 ms

Below is generated by plot.py at 2018-03-28 00:49:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.29 Mbit/s
95th percentile per-packet one-way delay: 2.517 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 307.00 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 201.48 Mbit/s
95th percentile per-packet one-way delay: 3.150 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 164.72 Mbit/s
95th percentile per-packet one-way delay: 1.907 ms
Loss rate: 0.30%

Run 9: Report of LEDBAT — Data Link

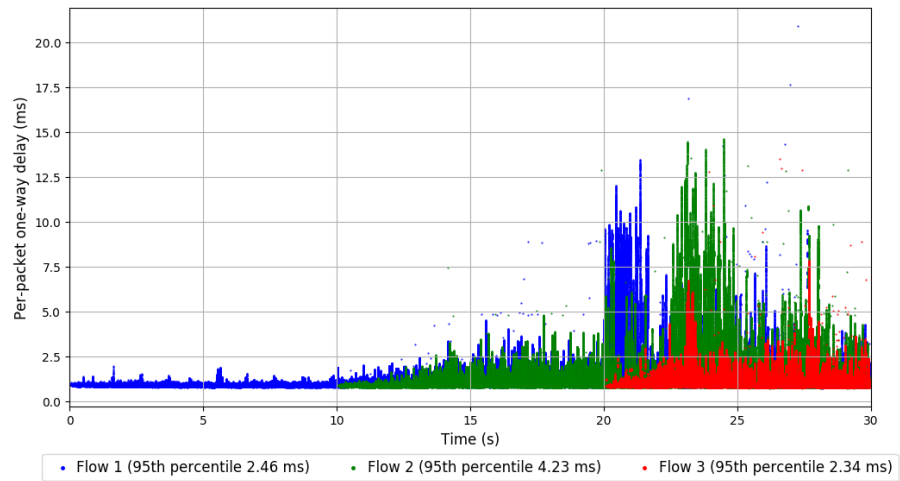
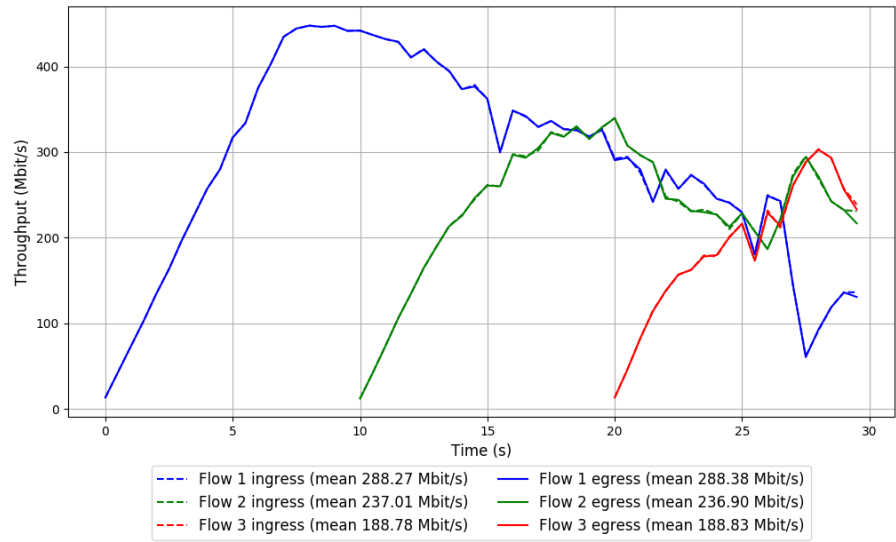


Run 10: Statistics of LEDBAT

Start at: 2018-03-27 18:54:25
End at: 2018-03-27 18:54:55
Local clock offset: 9.591 ms
Remote clock offset: -5.922 ms

Below is generated by plot.py at 2018-03-28 00:50:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 508.31 Mbit/s
95th percentile per-packet one-way delay: 3.028 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 288.38 Mbit/s
95th percentile per-packet one-way delay: 2.463 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 236.90 Mbit/s
95th percentile per-packet one-way delay: 4.231 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 188.83 Mbit/s
95th percentile per-packet one-way delay: 2.342 ms
Loss rate: 0.18%

Run 10: Report of LEDBAT — Data Link

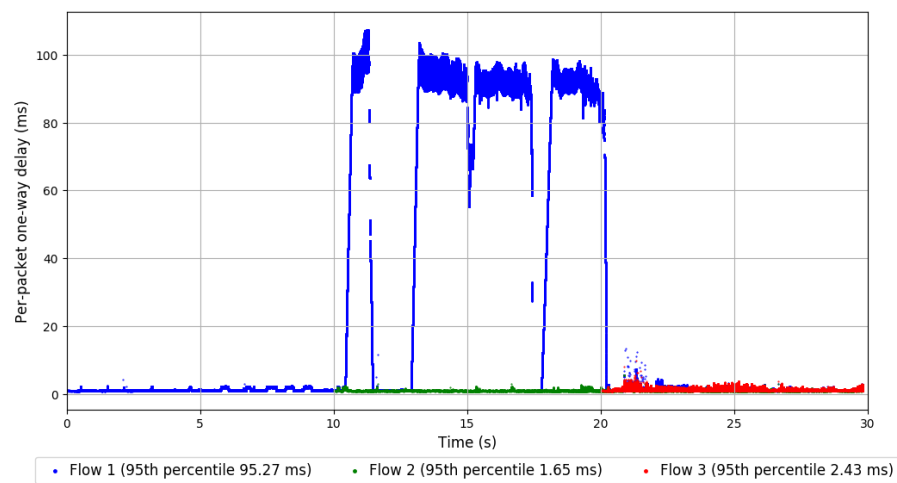
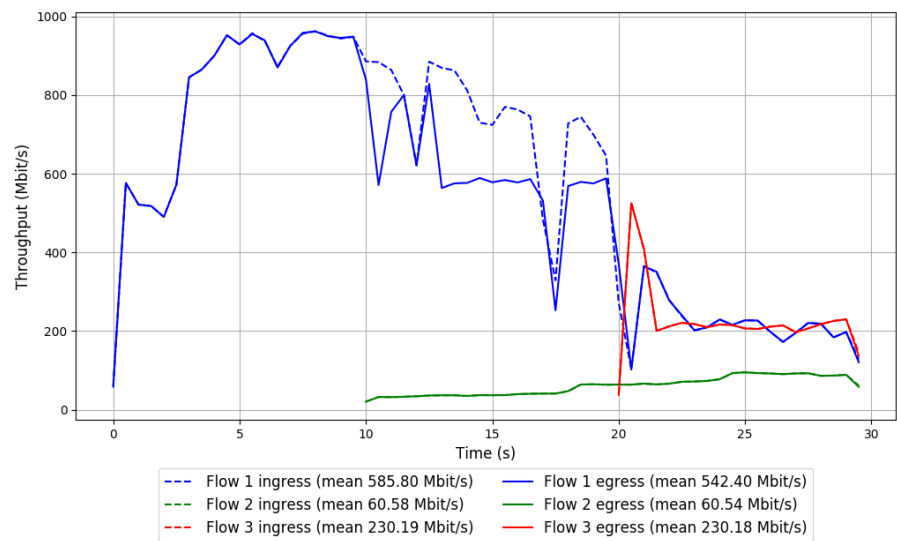


Run 1: Statistics of PCC

Start at: 2018-03-27 14:27:14
End at: 2018-03-27 14:27:44
Local clock offset: 4.884 ms
Remote clock offset: -5.058 ms

Below is generated by plot.py at 2018-03-28 00:52:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 658.36 Mbit/s
95th percentile per-packet one-way delay: 94.719 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 542.40 Mbit/s
95th percentile per-packet one-way delay: 95.272 ms
Loss rate: 7.47%
-- Flow 2:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 1.647 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 230.18 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.21%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-27 14:56:16

End at: 2018-03-27 14:56:46

Local clock offset: 5.046 ms

Remote clock offset: -4.36 ms

Below is generated by plot.py at 2018-03-28 00:56:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 821.93 Mbit/s

95th percentile per-packet one-way delay: 6.777 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 703.33 Mbit/s

95th percentile per-packet one-way delay: 10.711 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 93.34 Mbit/s

95th percentile per-packet one-way delay: 2.208 ms

Loss rate: 0.21%

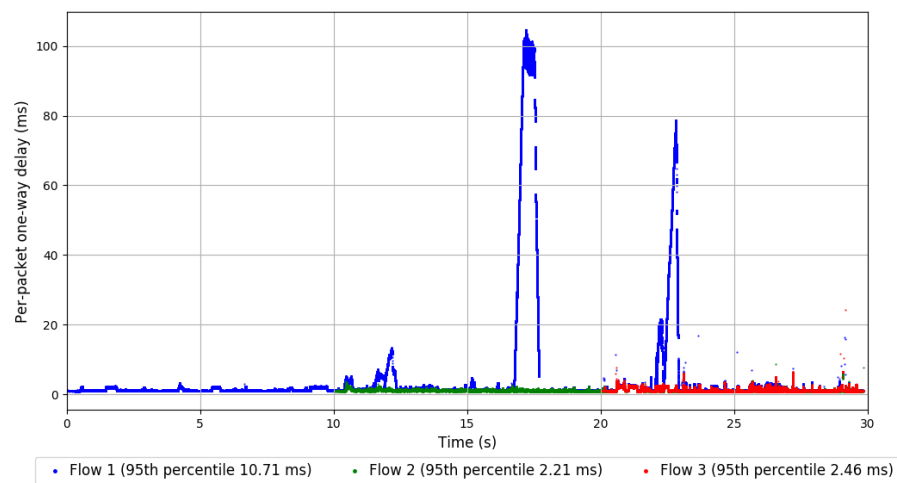
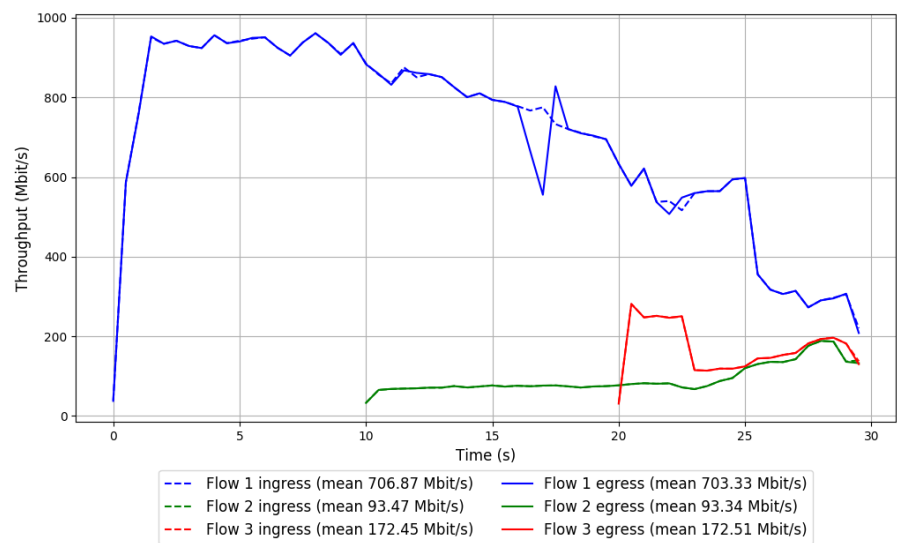
-- Flow 3:

Average throughput: 172.51 Mbit/s

95th percentile per-packet one-way delay: 2.459 ms

Loss rate: 0.23%

Run 2: Report of PCC — Data Link

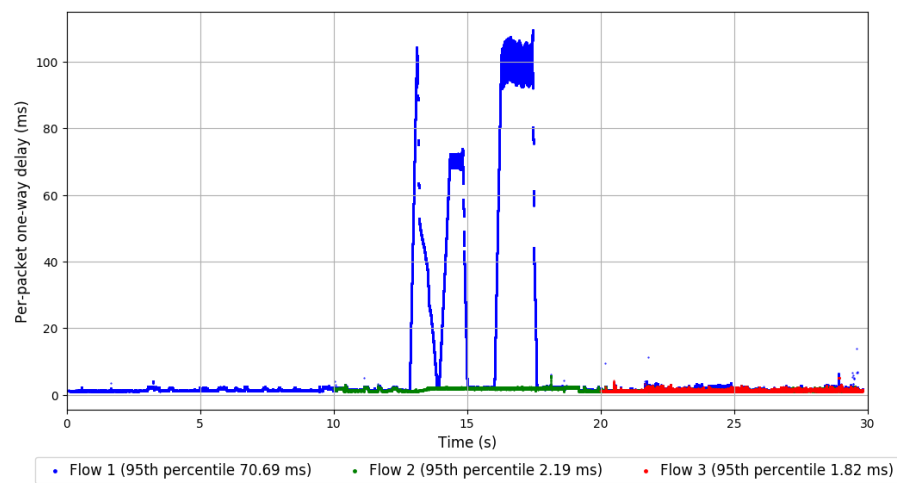
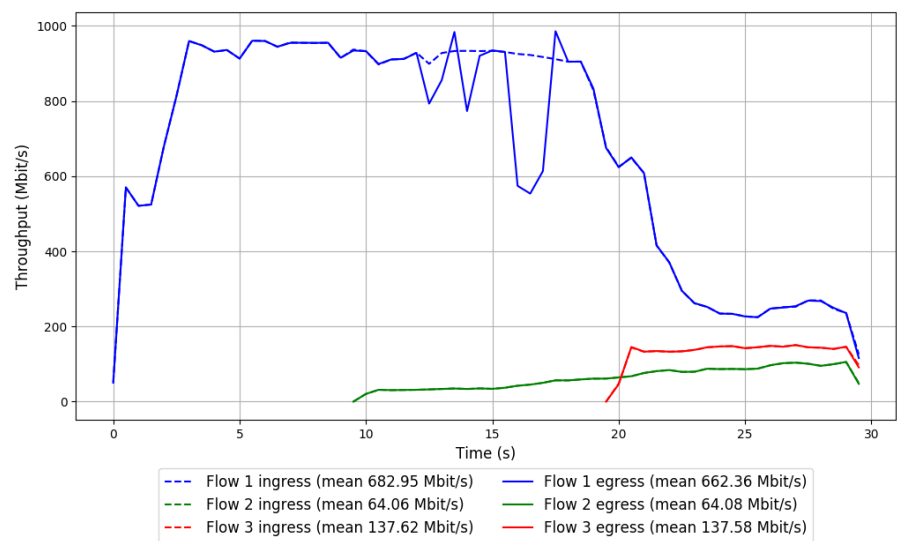


Run 3: Statistics of PCC

Start at: 2018-03-27 15:24:55
End at: 2018-03-27 15:25:25
Local clock offset: -1.988 ms
Remote clock offset: -4.773 ms

Below is generated by plot.py at 2018-03-28 00:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 750.23 Mbit/s
95th percentile per-packet one-way delay: 69.343 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 662.36 Mbit/s
95th percentile per-packet one-way delay: 70.692 ms
Loss rate: 3.08%
-- Flow 2:
Average throughput: 64.08 Mbit/s
95th percentile per-packet one-way delay: 2.194 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 137.58 Mbit/s
95th percentile per-packet one-way delay: 1.818 ms
Loss rate: 0.22%

Run 3: Report of PCC — Data Link

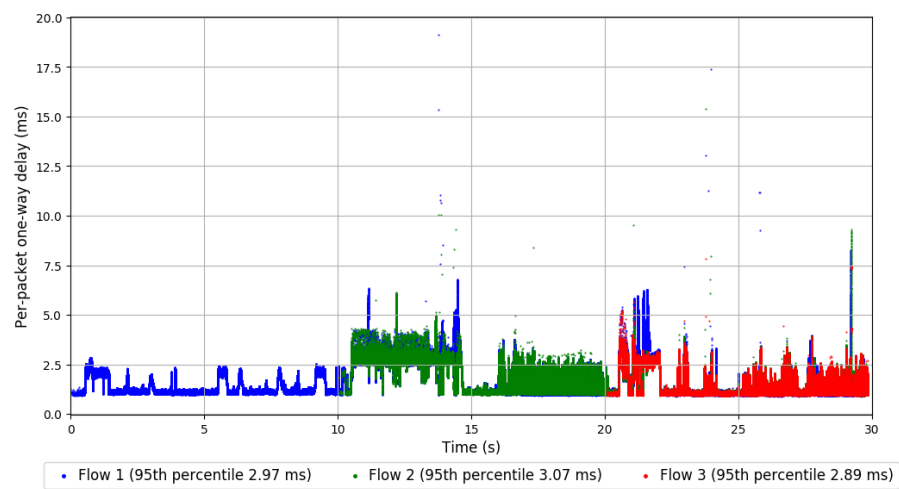
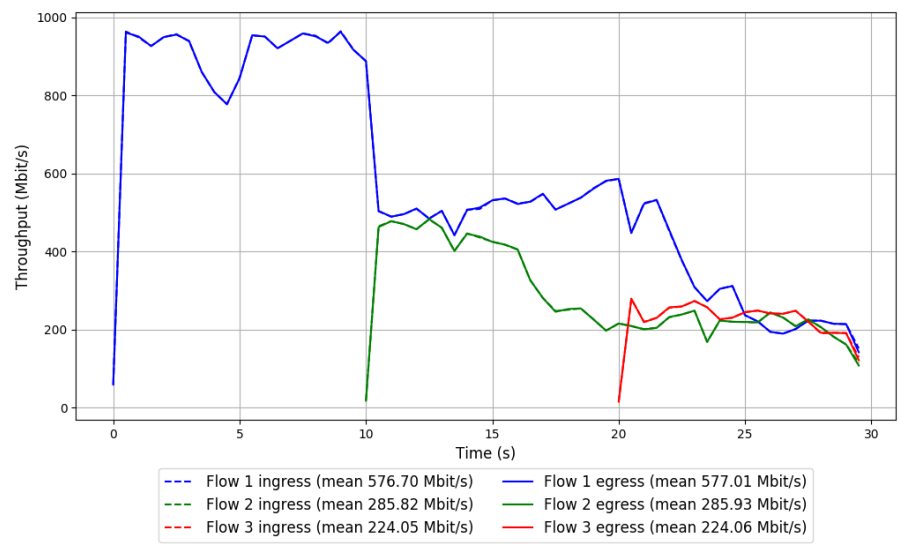


Run 4: Statistics of PCC

Start at: 2018-03-27 15:53:40
End at: 2018-03-27 15:54:10
Local clock offset: -0.286 ms
Remote clock offset: -5.481 ms

Below is generated by plot.py at 2018-03-28 00:59:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 840.31 Mbit/s
95th percentile per-packet one-way delay: 3.005 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 577.01 Mbit/s
95th percentile per-packet one-way delay: 2.967 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 285.93 Mbit/s
95th percentile per-packet one-way delay: 3.072 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 224.06 Mbit/s
95th percentile per-packet one-way delay: 2.894 ms
Loss rate: 0.18%

Run 4: Report of PCC — Data Link

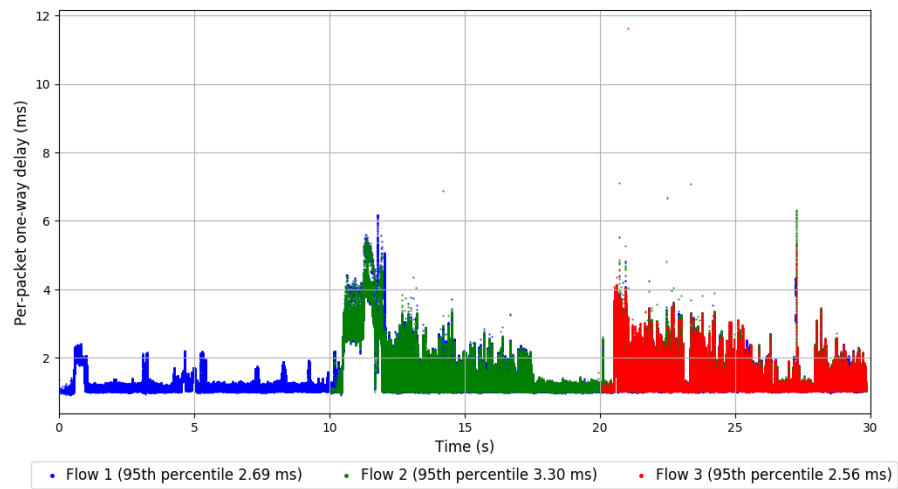
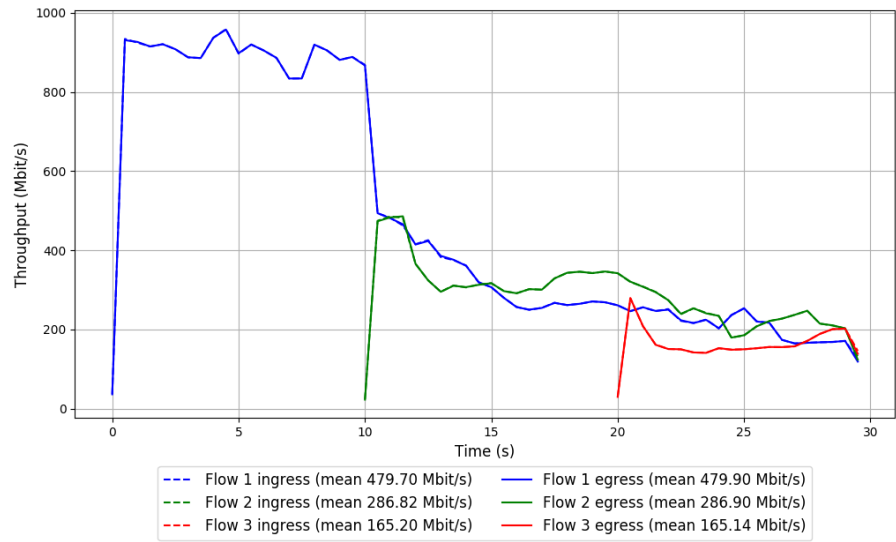


Run 5: Statistics of PCC

Start at: 2018-03-27 16:22:40
End at: 2018-03-27 16:23:10
Local clock offset: -0.417 ms
Remote clock offset: -6.003 ms

Below is generated by plot.py at 2018-03-28 00:59:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 724.66 Mbit/s
95th percentile per-packet one-way delay: 2.939 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 479.90 Mbit/s
95th percentile per-packet one-way delay: 2.695 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 286.90 Mbit/s
95th percentile per-packet one-way delay: 3.302 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 165.14 Mbit/s
95th percentile per-packet one-way delay: 2.557 ms
Loss rate: 0.24%

Run 5: Report of PCC — Data Link

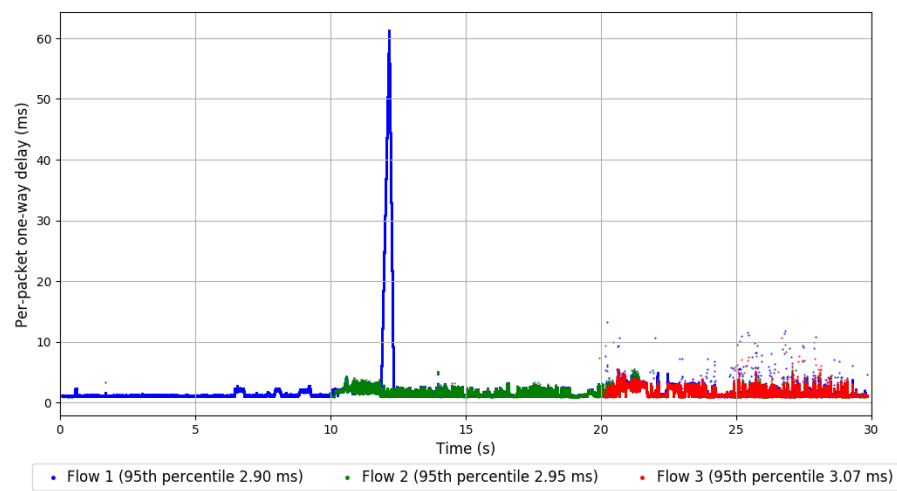
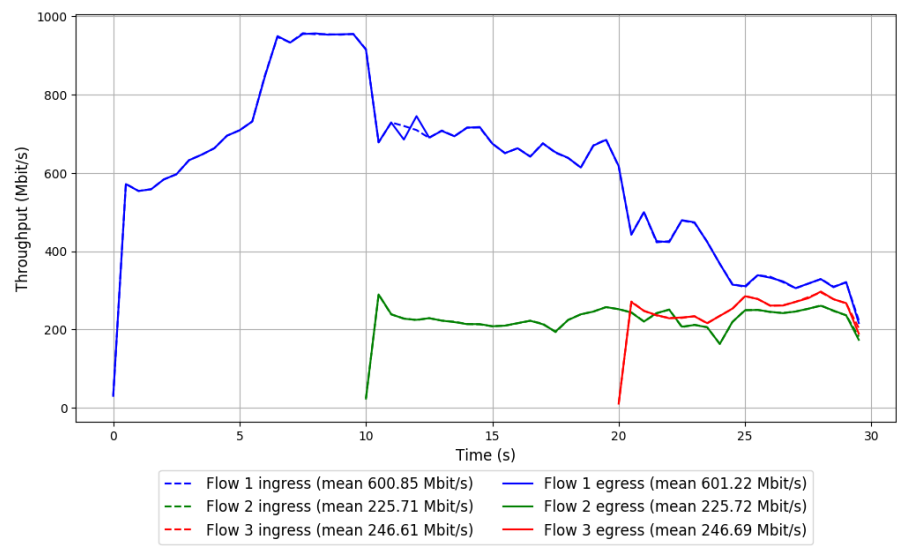


Run 6: Statistics of PCC

Start at: 2018-03-27 16:51:39
End at: 2018-03-27 16:52:09
Local clock offset: -0.08 ms
Remote clock offset: -4.383 ms

Below is generated by plot.py at 2018-03-28 01:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 832.04 Mbit/s
95th percentile per-packet one-way delay: 2.941 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 601.22 Mbit/s
95th percentile per-packet one-way delay: 2.905 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 225.72 Mbit/s
95th percentile per-packet one-way delay: 2.952 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 246.69 Mbit/s
95th percentile per-packet one-way delay: 3.067 ms
Loss rate: 0.31%

Run 6: Report of PCC — Data Link

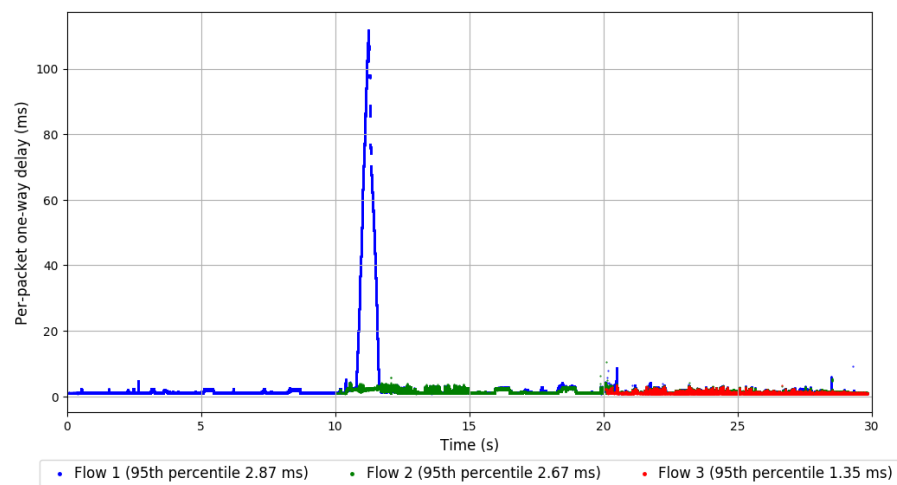
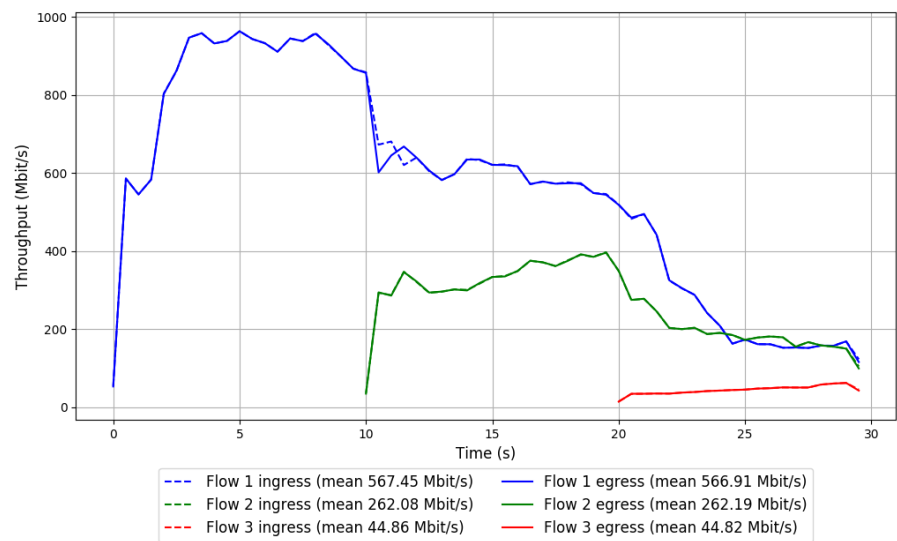


Run 7: Statistics of PCC

Start at: 2018-03-27 17:20:40
End at: 2018-03-27 17:21:10
Local clock offset: 0.583 ms
Remote clock offset: -5.744 ms

Below is generated by plot.py at 2018-03-28 01:01:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 755.75 Mbit/s
95th percentile per-packet one-way delay: 2.783 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 566.91 Mbit/s
95th percentile per-packet one-way delay: 2.874 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 262.19 Mbit/s
95th percentile per-packet one-way delay: 2.669 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 1.348 ms
Loss rate: 0.30%

Run 7: Report of PCC — Data Link

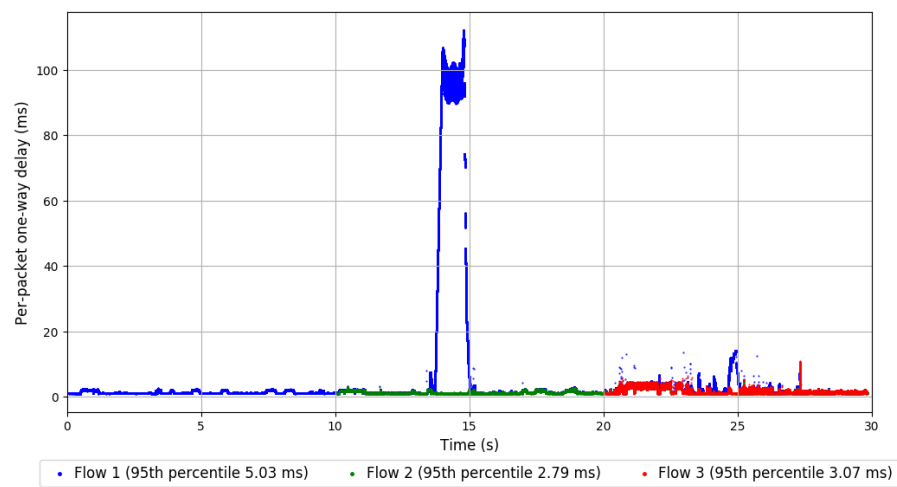
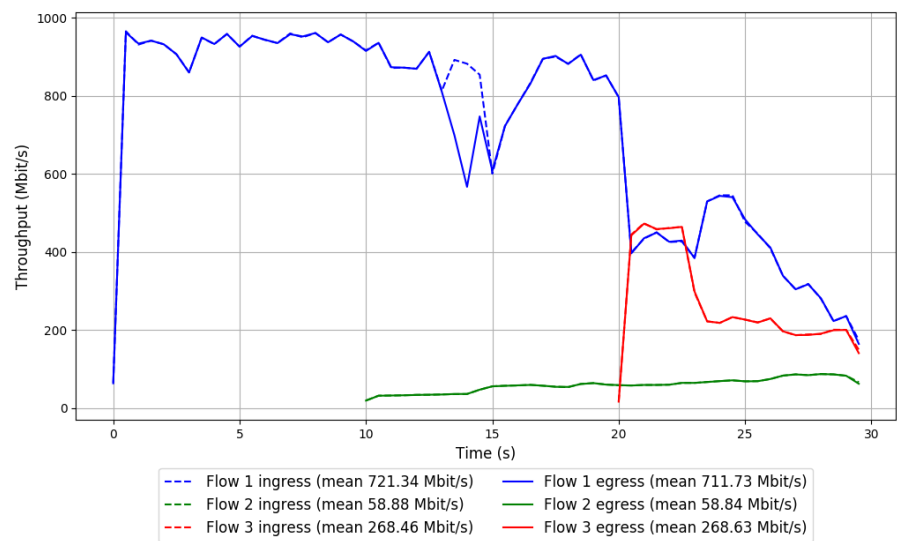


Run 8: Statistics of PCC

Start at: 2018-03-27 17:49:39
End at: 2018-03-27 17:50:09
Local clock offset: 1.696 ms
Remote clock offset: -5.011 ms

```
# Below is generated by plot.py at 2018-03-28 01:04:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 839.05 Mbit/s
95th percentile per-packet one-way delay: 3.224 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 711.73 Mbit/s
95th percentile per-packet one-way delay: 5.032 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 58.84 Mbit/s
95th percentile per-packet one-way delay: 2.792 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 268.63 Mbit/s
95th percentile per-packet one-way delay: 3.070 ms
Loss rate: 0.20%
```

Run 8: Report of PCC — Data Link

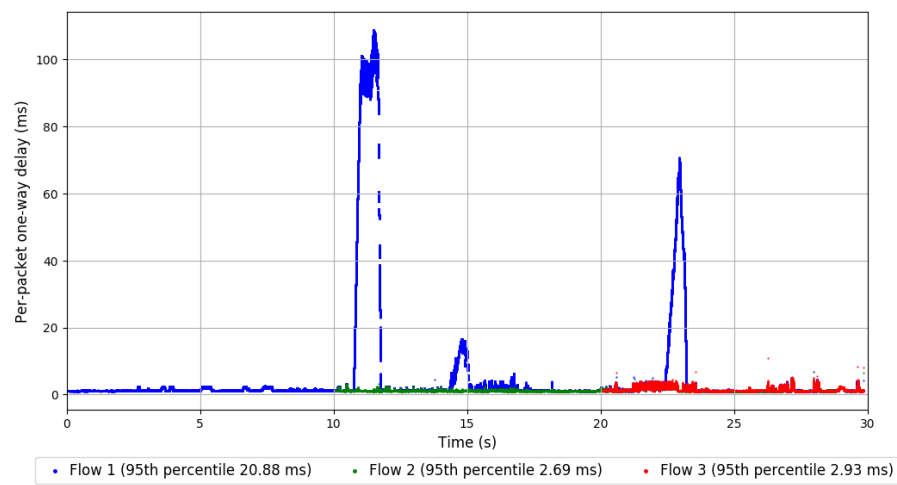
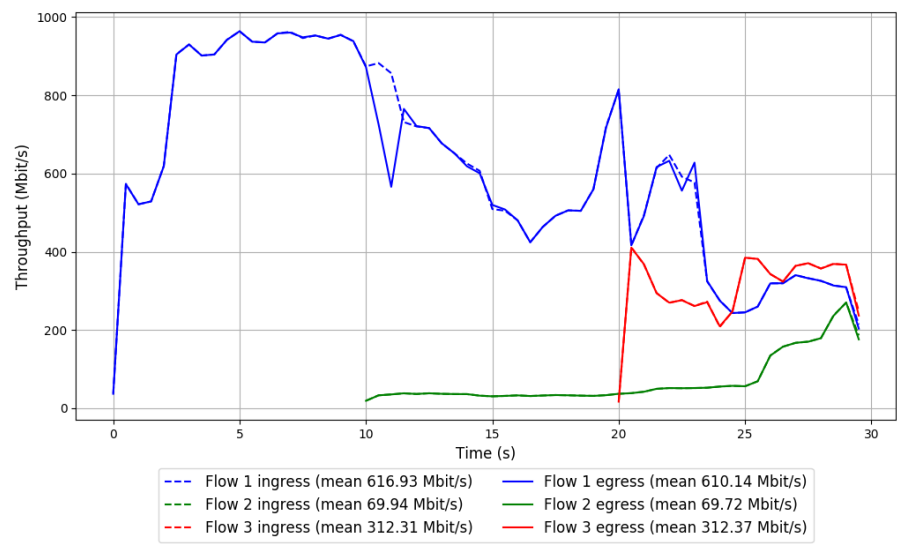


Run 9: Statistics of PCC

Start at: 2018-03-27 18:18:38
End at: 2018-03-27 18:19:08
Local clock offset: 1.143 ms
Remote clock offset: -5.837 ms

Below is generated by plot.py at 2018-03-28 01:05:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 758.92 Mbit/s
95th percentile per-packet one-way delay: 13.485 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 610.14 Mbit/s
95th percentile per-packet one-way delay: 20.879 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 69.72 Mbit/s
95th percentile per-packet one-way delay: 2.695 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 312.37 Mbit/s
95th percentile per-packet one-way delay: 2.932 ms
Loss rate: 0.19%

Run 9: Report of PCC — Data Link

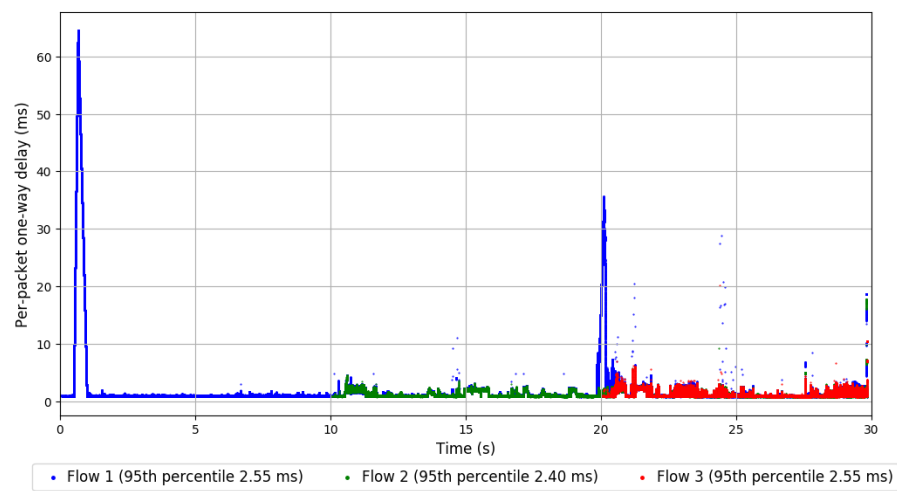
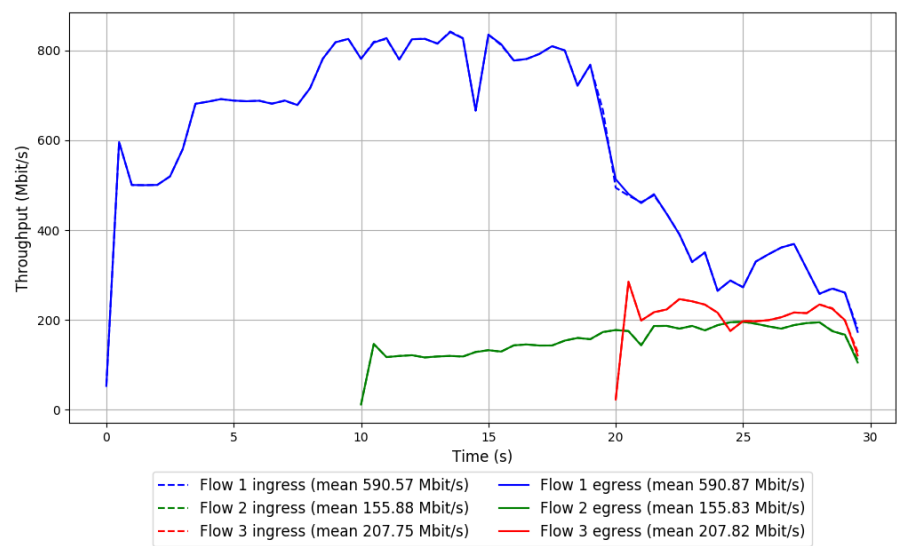


Run 10: Statistics of PCC

Start at: 2018-03-27 18:47:30
End at: 2018-03-27 18:48:00
Local clock offset: 8.806 ms
Remote clock offset: -5.955 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 762.49 Mbit/s
95th percentile per-packet one-way delay: 2.519 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 590.87 Mbit/s
95th percentile per-packet one-way delay: 2.553 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 155.83 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 207.82 Mbit/s
95th percentile per-packet one-way delay: 2.552 ms
Loss rate: 0.22%

Run 10: Report of PCC — Data Link

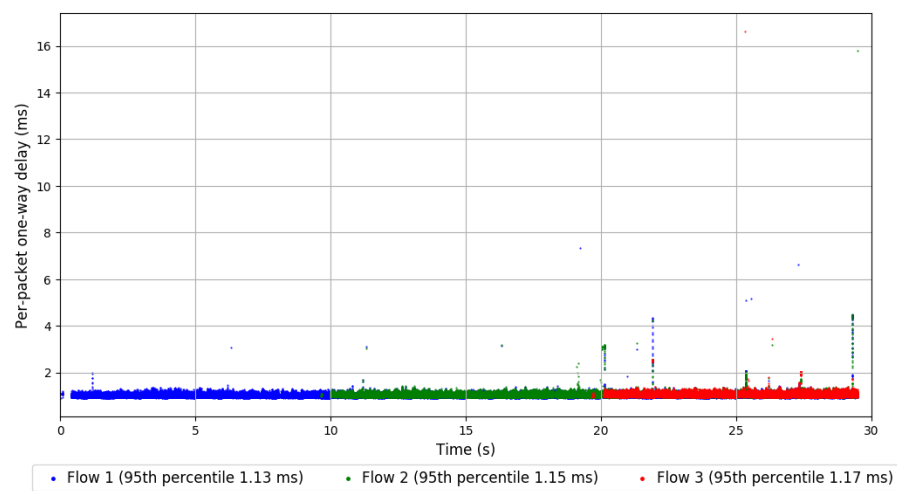
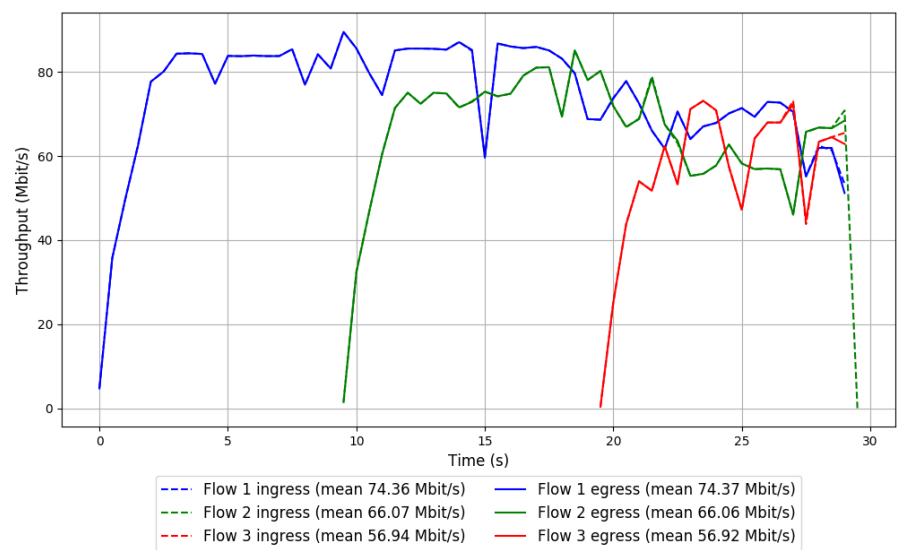


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-27 14:22:36
End at: 2018-03-27 14:23:06
Local clock offset: 4.952 ms
Remote clock offset: -5.191 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.80 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 66.06 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 1.169 ms
Loss rate: 0.25%

Run 1: Report of QUIC Cubic — Data Link

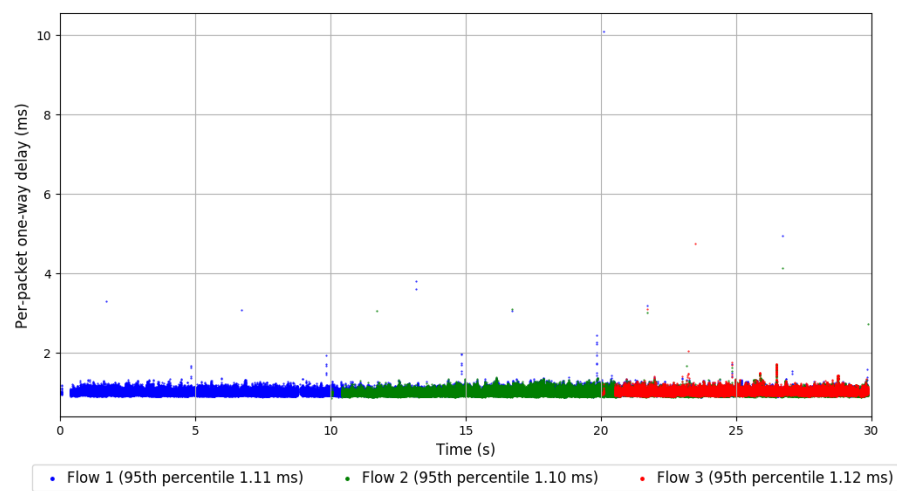
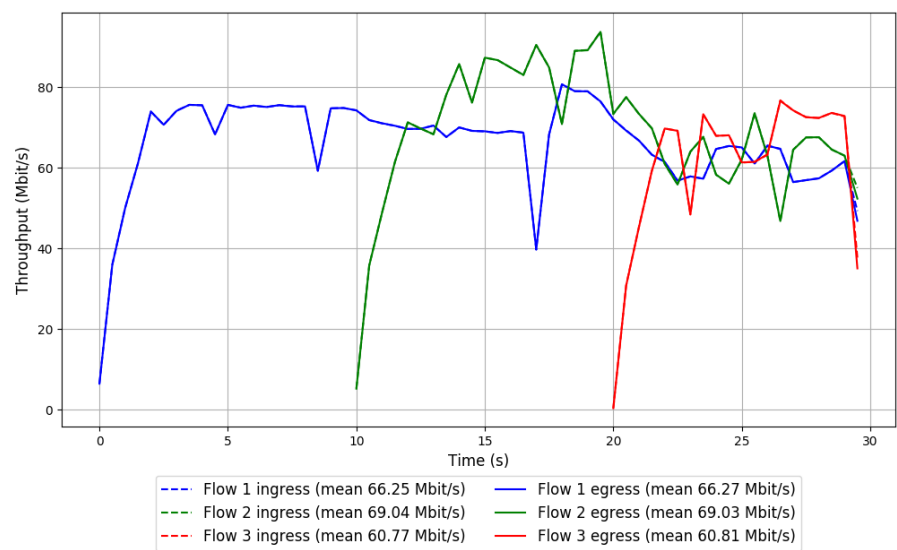


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-27 14:51:32
End at: 2018-03-27 14:52:02
Local clock offset: 4.877 ms
Remote clock offset: -4.564 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.17 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 60.81 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.22%

Run 2: Report of QUIC Cubic — Data Link

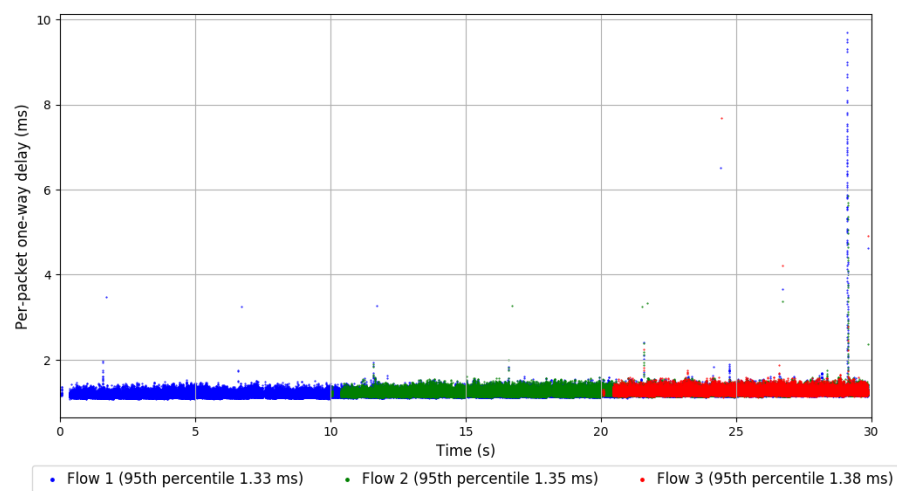
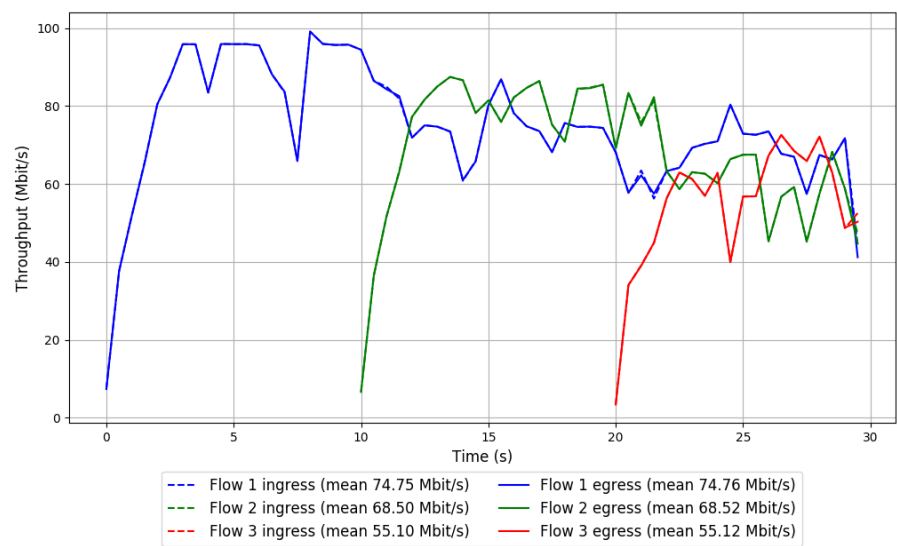


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-27 15:20:17
End at: 2018-03-27 15:20:47
Local clock offset: -1.342 ms
Remote clock offset: -4.573 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.44 Mbit/s
95th percentile per-packet one-way delay: 1.347 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 74.76 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 68.52 Mbit/s
95th percentile per-packet one-way delay: 1.354 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.20%

Run 3: Report of QUIC Cubic — Data Link

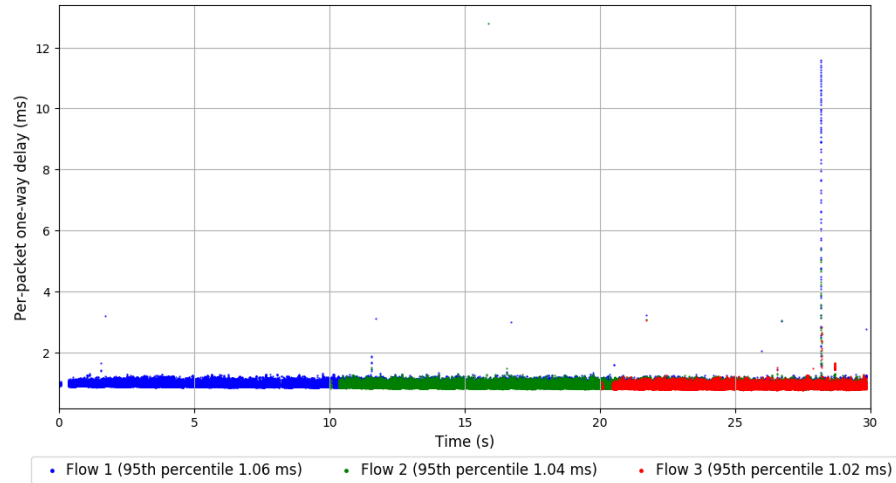
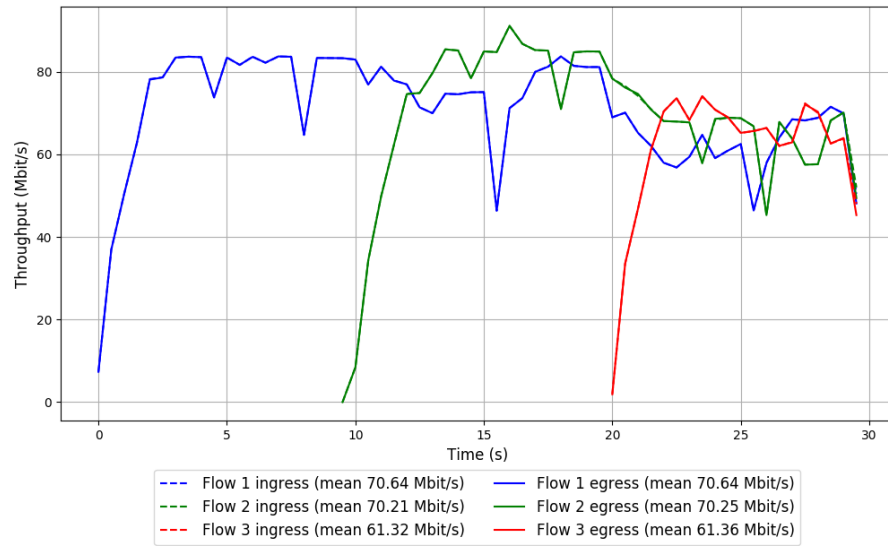


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-27 15:48:58
End at: 2018-03-27 15:49:28
Local clock offset: -0.412 ms
Remote clock offset: -4.984 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.55 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 70.64 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 70.25 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.23%

Run 4: Report of QUIC Cubic — Data Link

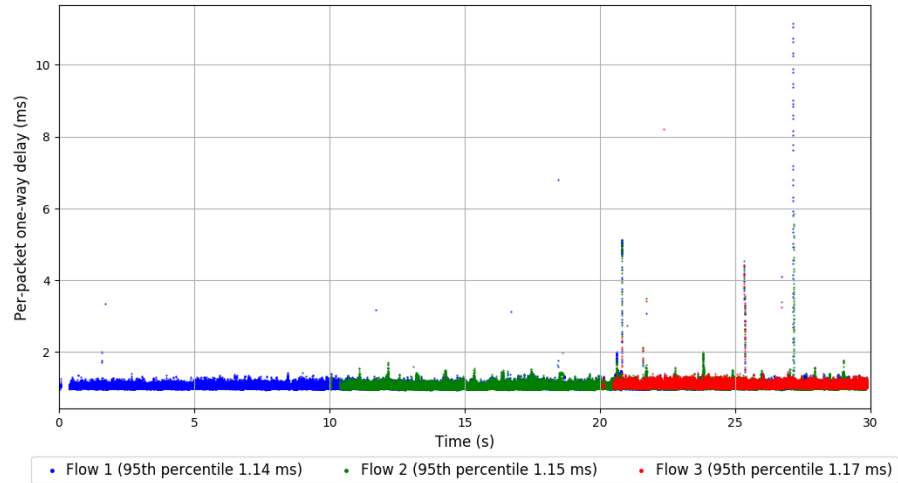
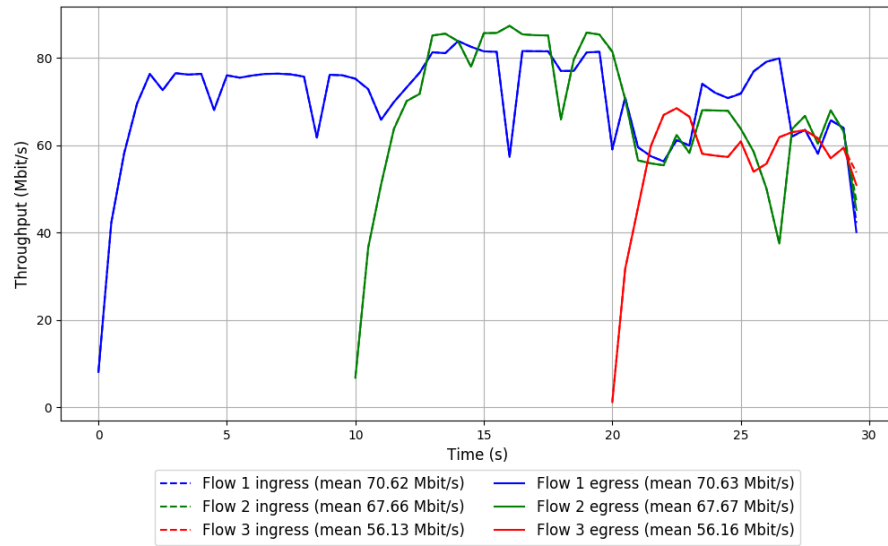


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-27 16:17:55
End at: 2018-03-27 16:18:25
Local clock offset: -0.306 ms
Remote clock offset: -6.063 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 134.06 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 67.67 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.27%

Run 5: Report of QUIC Cubic — Data Link

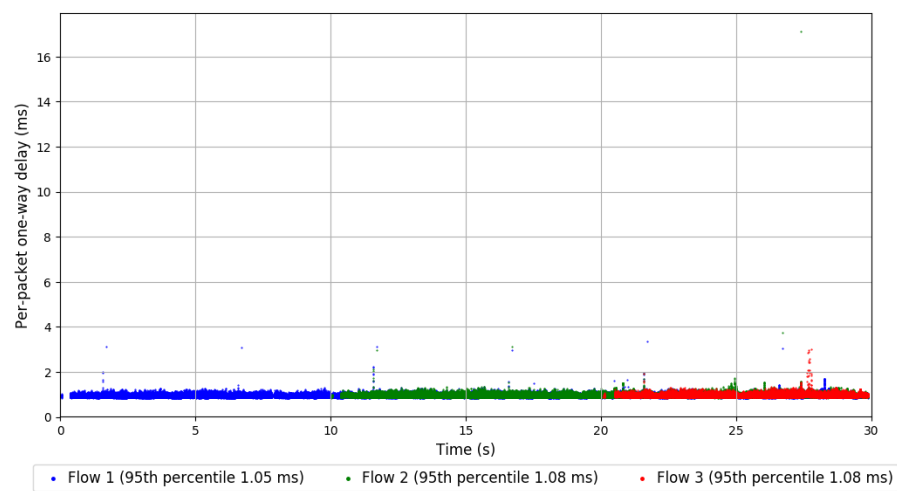
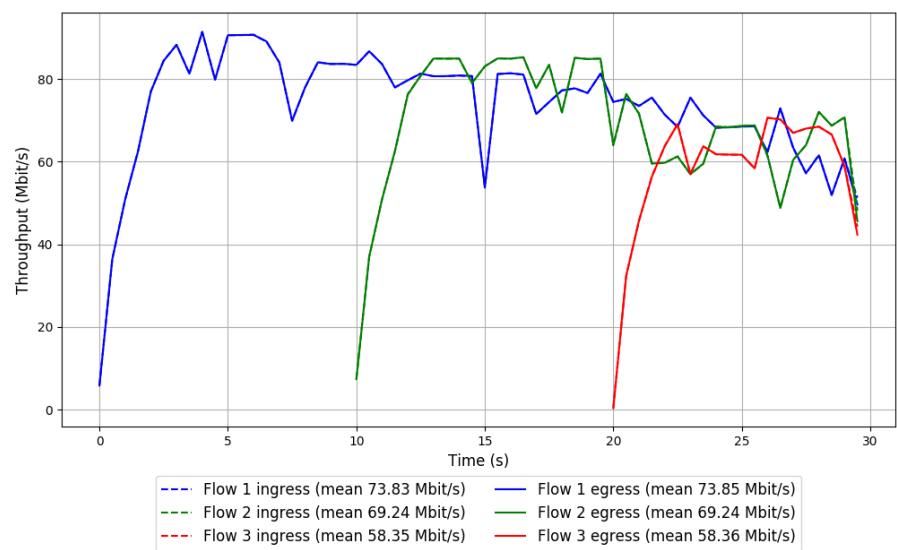


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-27 16:46:56
End at: 2018-03-27 16:47:26
Local clock offset: -0.382 ms
Remote clock offset: -4.562 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.03 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 73.85 Mbit/s
95th percentile per-packet one-way delay: 1.053 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 69.24 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.18%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-03-27 17:15:55

End at: 2018-03-27 17:16:25

Local clock offset: 0.068 ms

Remote clock offset: -5.74 ms

Below is generated by plot.py at 2018-03-28 01:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.77 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 73.40 Mbit/s

95th percentile per-packet one-way delay: 1.135 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 67.84 Mbit/s

95th percentile per-packet one-way delay: 1.134 ms

Loss rate: 0.10%

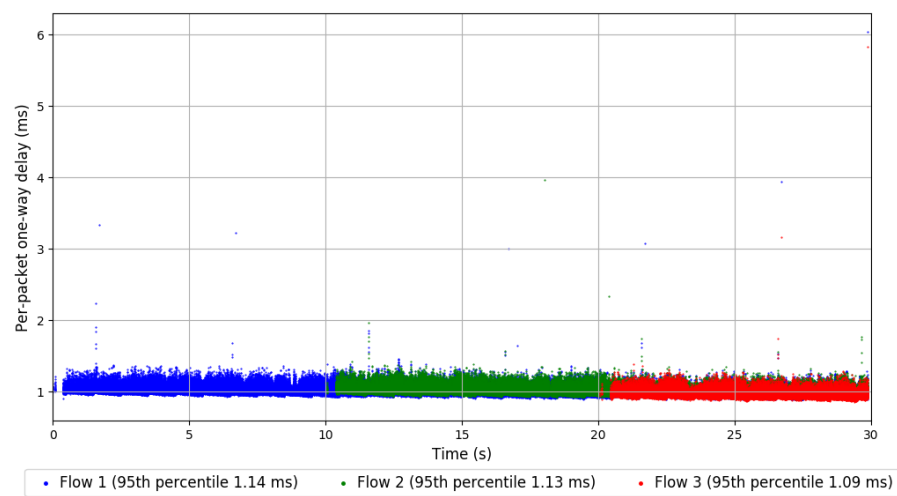
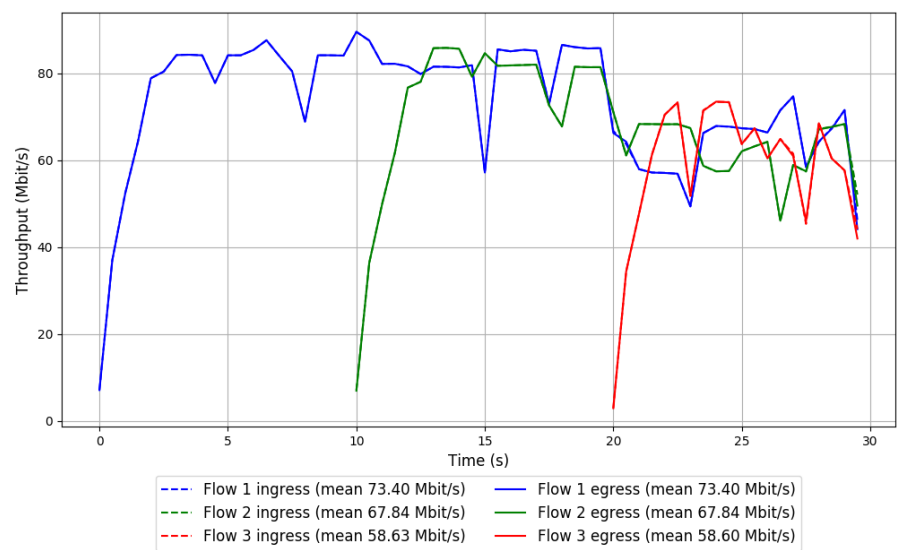
-- Flow 3:

Average throughput: 58.60 Mbit/s

95th percentile per-packet one-way delay: 1.089 ms

Loss rate: 0.19%

Run 7: Report of QUIC Cubic — Data Link

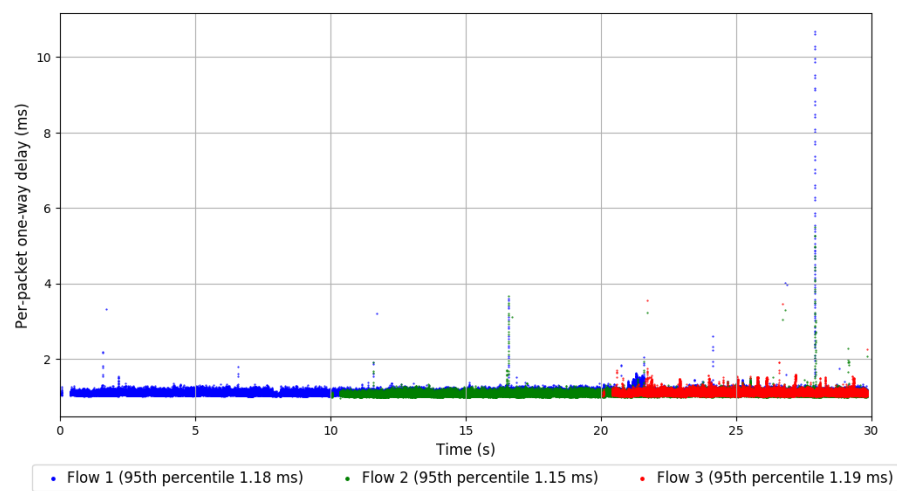
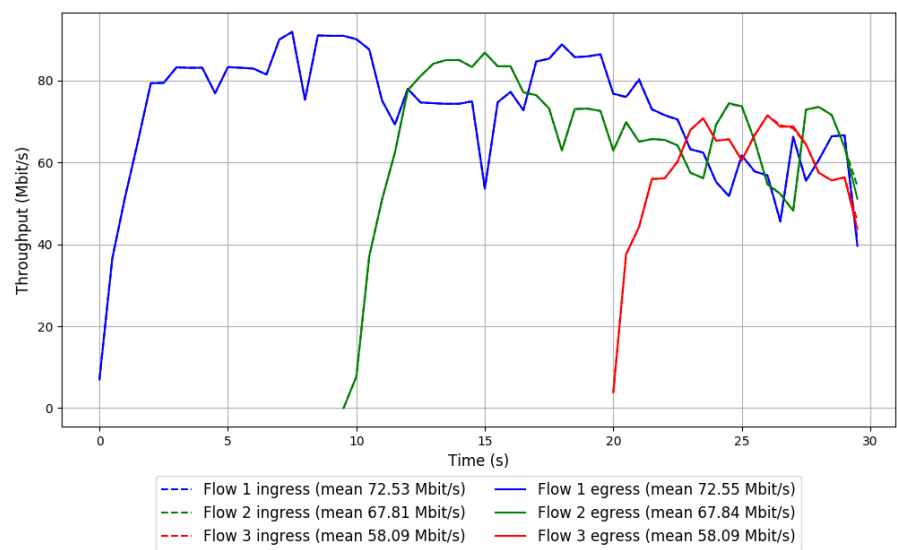


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-27 17:44:55
End at: 2018-03-27 17:45:25
Local clock offset: 1.68 ms
Remote clock offset: -5.156 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.78 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 72.55 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 67.84 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.18%

Run 8: Report of QUIC Cubic — Data Link

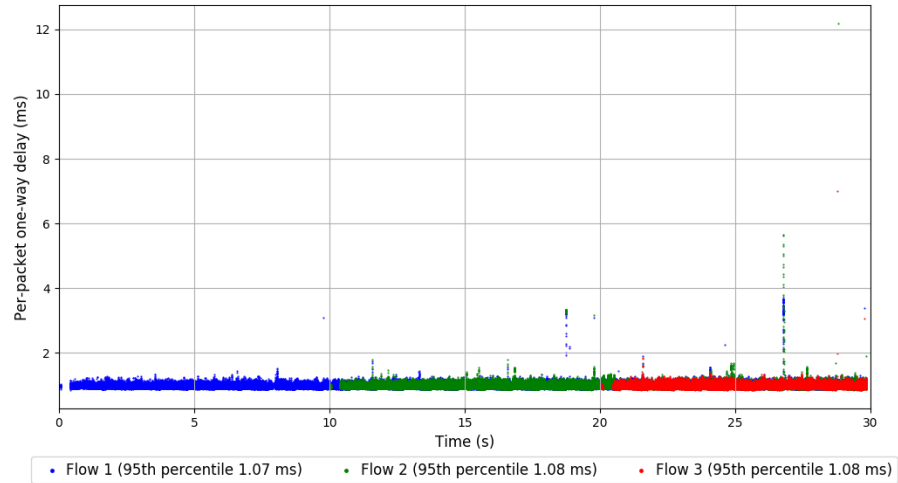
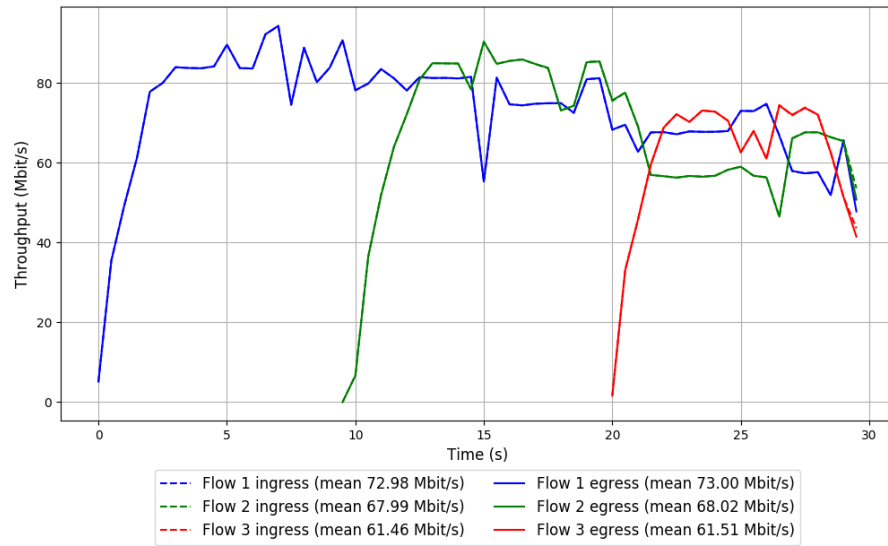


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-27 18:13:53
End at: 2018-03-27 18:14:23
Local clock offset: 1.019 ms
Remote clock offset: -5.657 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.46 Mbit/s
95th percentile per-packet one-way delay: 1.077 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.00 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 68.02 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.19%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-03-27 18:42:47

End at: 2018-03-27 18:43:17

Local clock offset: 8.058 ms

Remote clock offset: -6.08 ms

Below is generated by plot.py at 2018-03-28 01:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.89 Mbit/s

95th percentile per-packet one-way delay: 1.019 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 75.03 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 1.029 ms

Loss rate: 0.10%

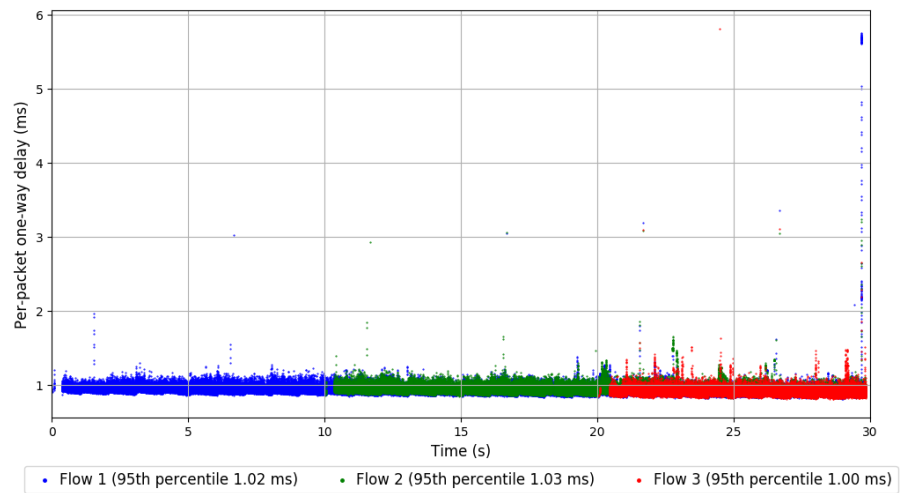
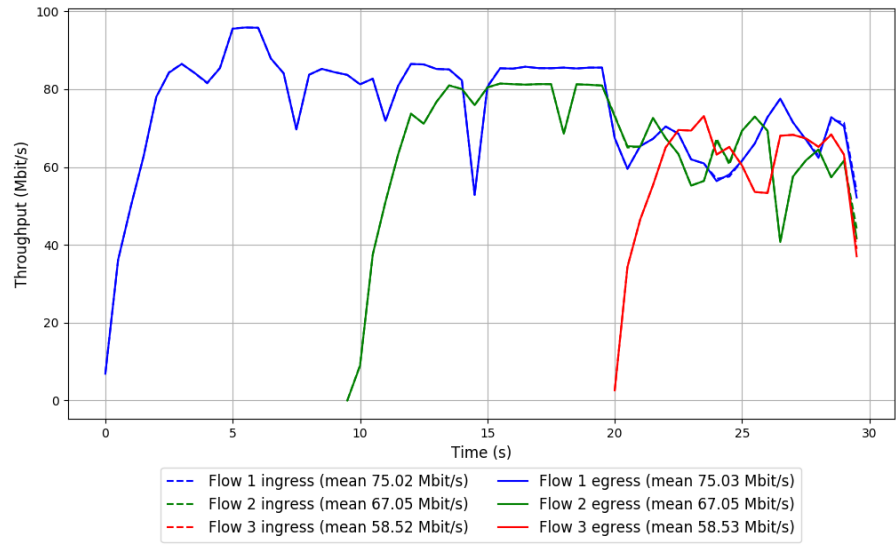
-- Flow 3:

Average throughput: 58.53 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.17%

Run 10: Report of QUIC Cubic — Data Link

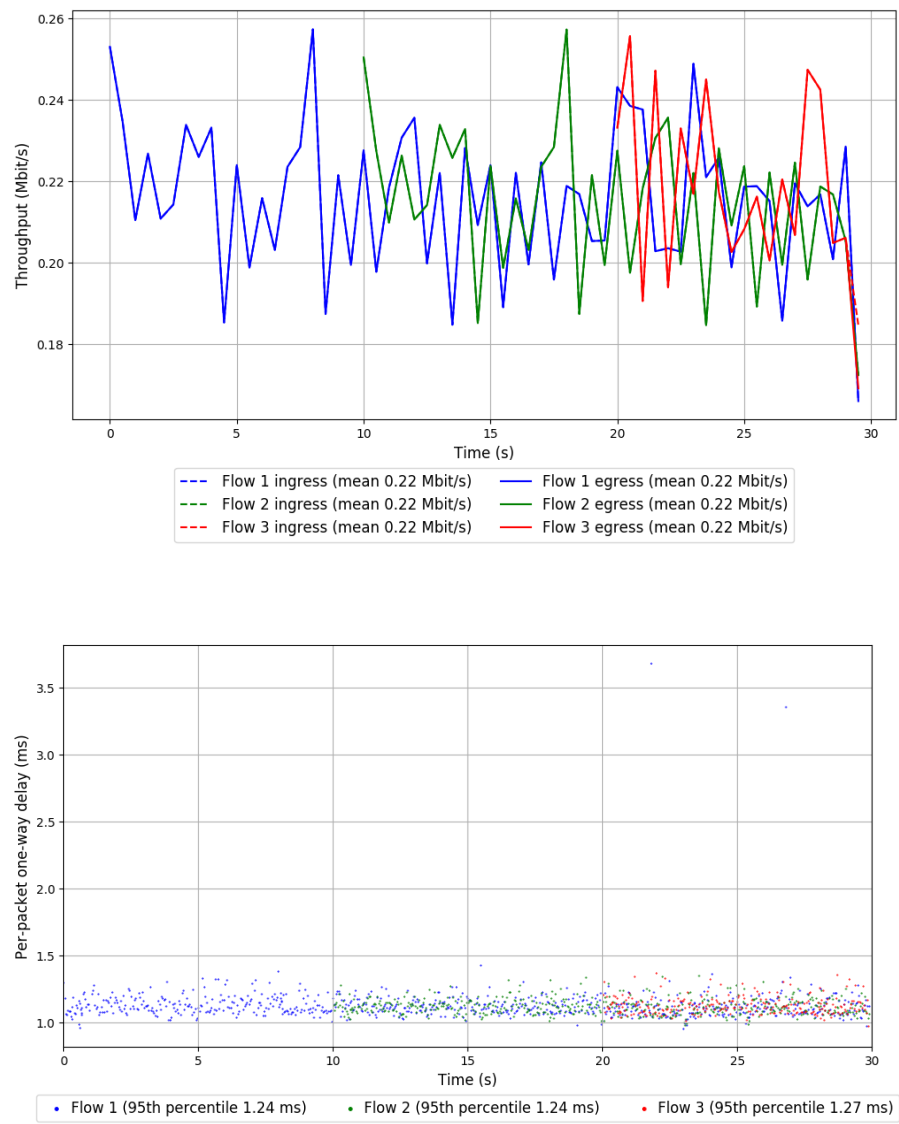


Run 1: Statistics of SReAM

Start at: 2018-03-27 14:16:21
End at: 2018-03-27 14:16:51
Local clock offset: 4.698 ms
Remote clock offset: -5.236 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.244 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.35%

Run 1: Report of SReAM — Data Link

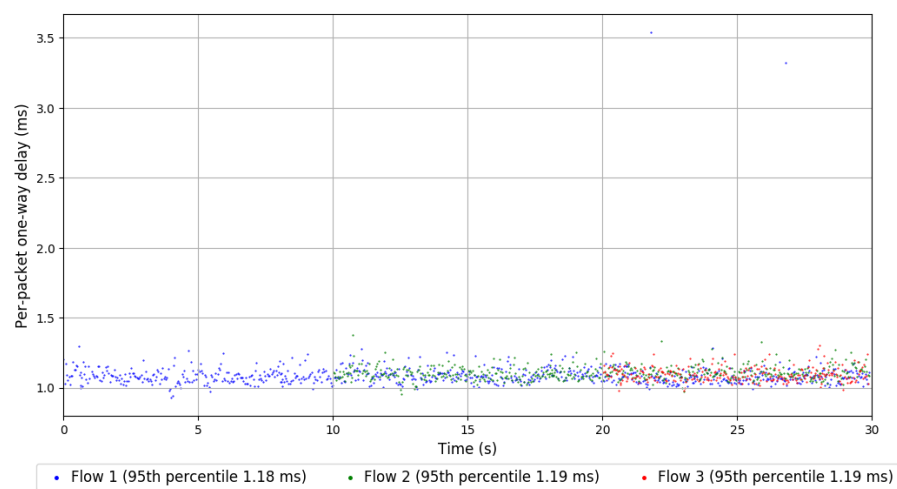
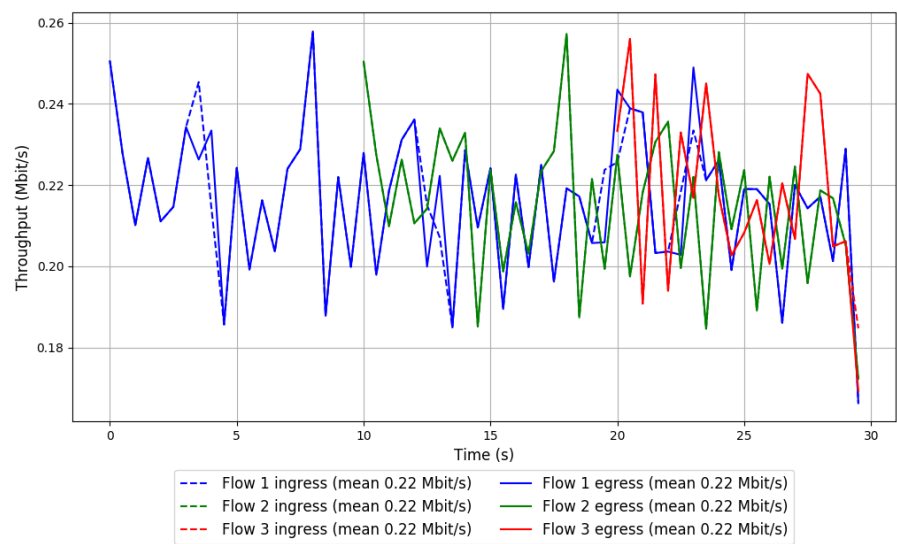


Run 2: Statistics of SReAM

Start at: 2018-03-27 14:45:12
End at: 2018-03-27 14:45:42
Local clock offset: 4.789 ms
Remote clock offset: -4.711 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

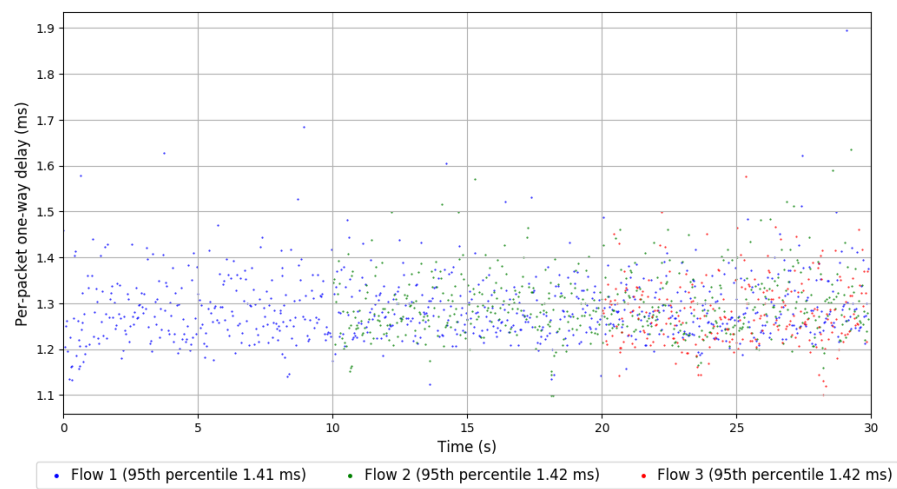
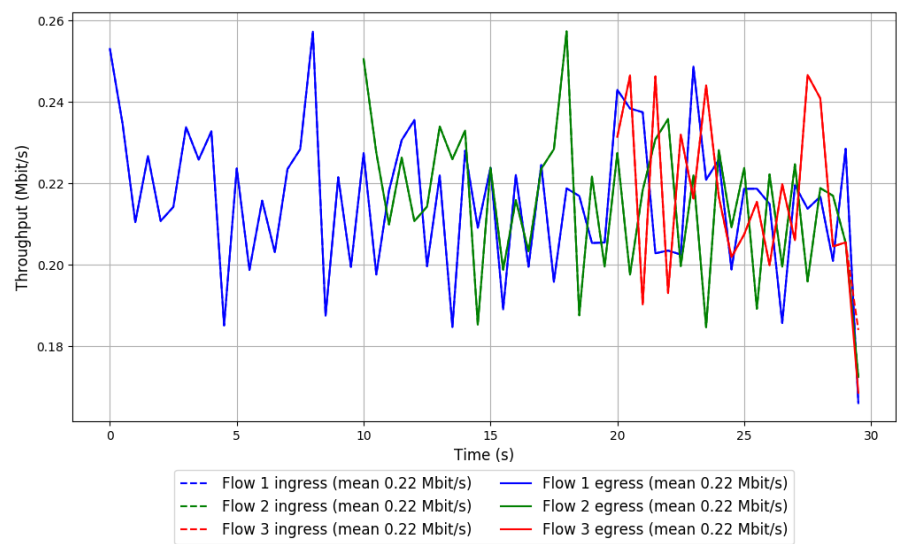


Run 3: Statistics of SCReAM

Start at: 2018-03-27 15:14:06
End at: 2018-03-27 15:14:36
Local clock offset: -0.303 ms
Remote clock offset: -3.932 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.415 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.413 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.416 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

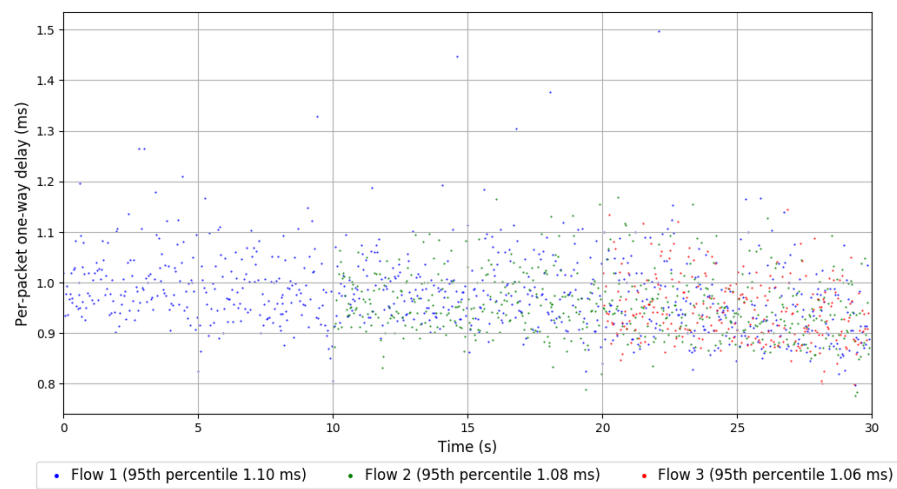
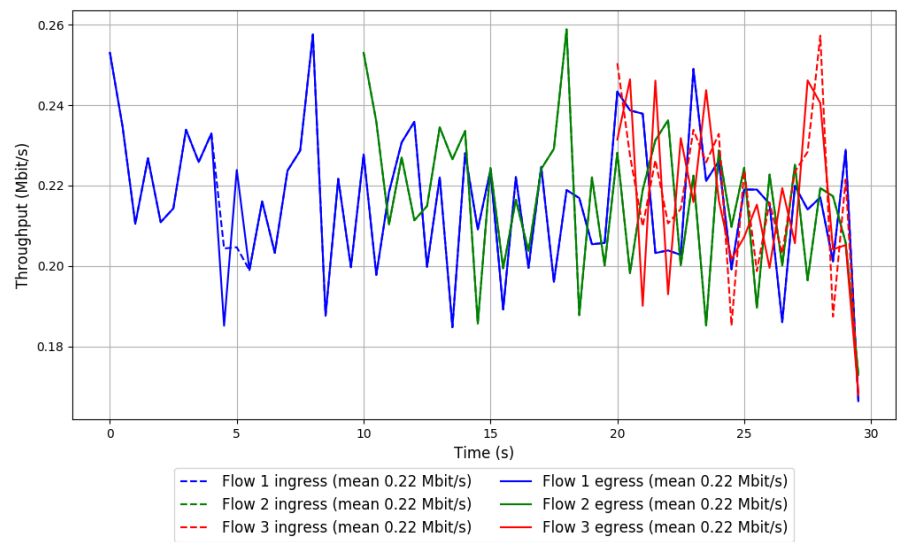


Run 4: Statistics of SReAM

Start at: 2018-03-27 15:42:45
End at: 2018-03-27 15:43:15
Local clock offset: -0.977 ms
Remote clock offset: -4.905 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

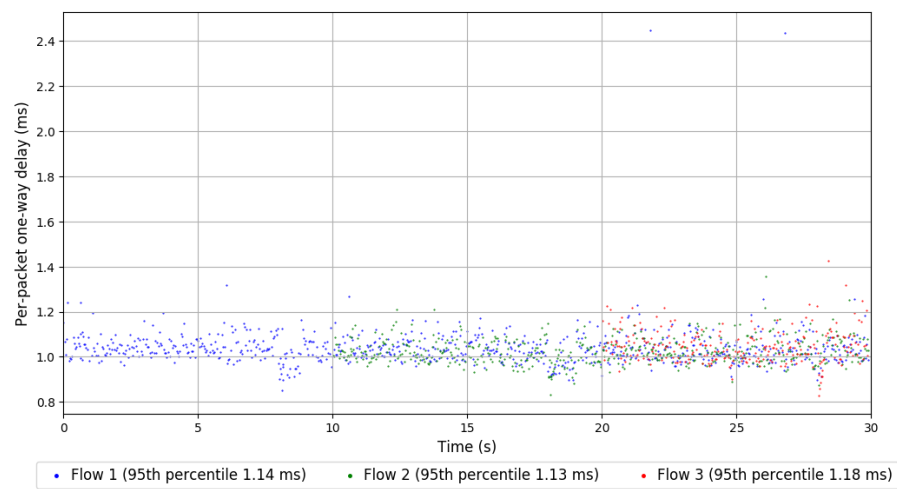
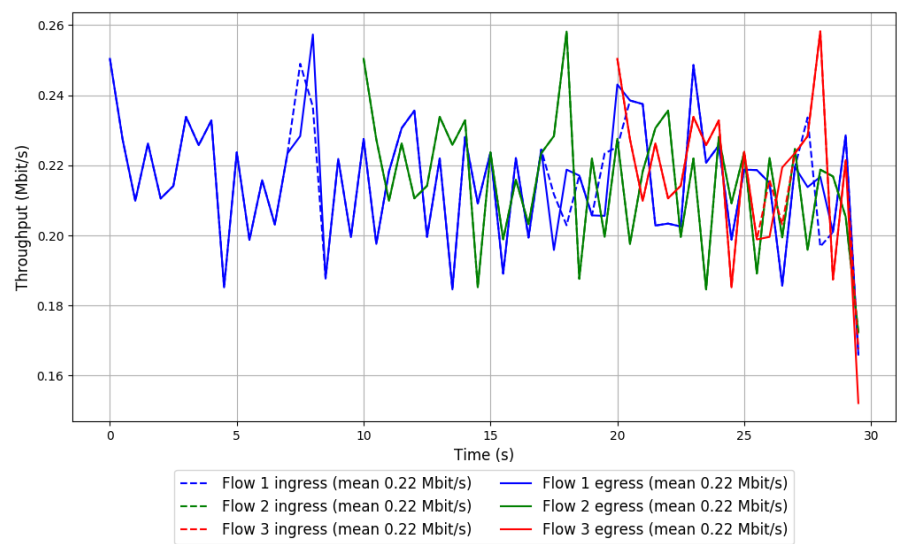


Run 5: Statistics of SReAM

Start at: 2018-03-27 16:11:36
End at: 2018-03-27 16:12:06
Local clock offset: -0.444 ms
Remote clock offset: -5.987 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.175 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

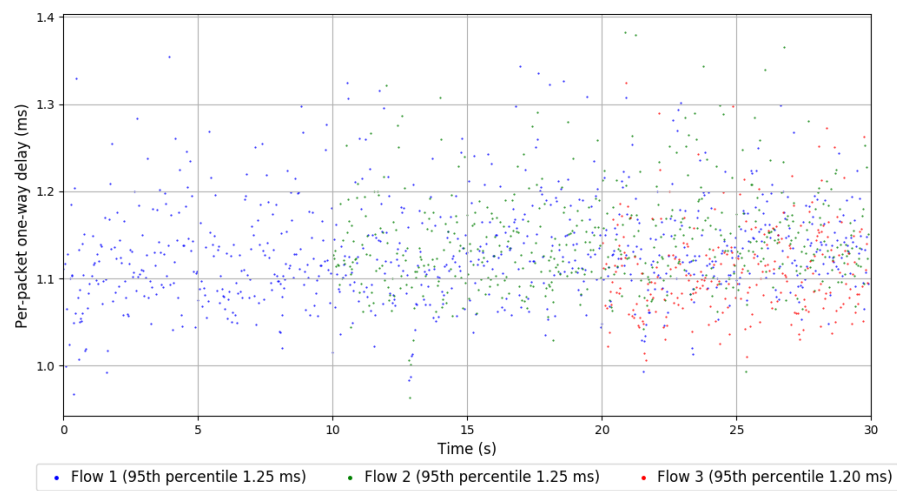
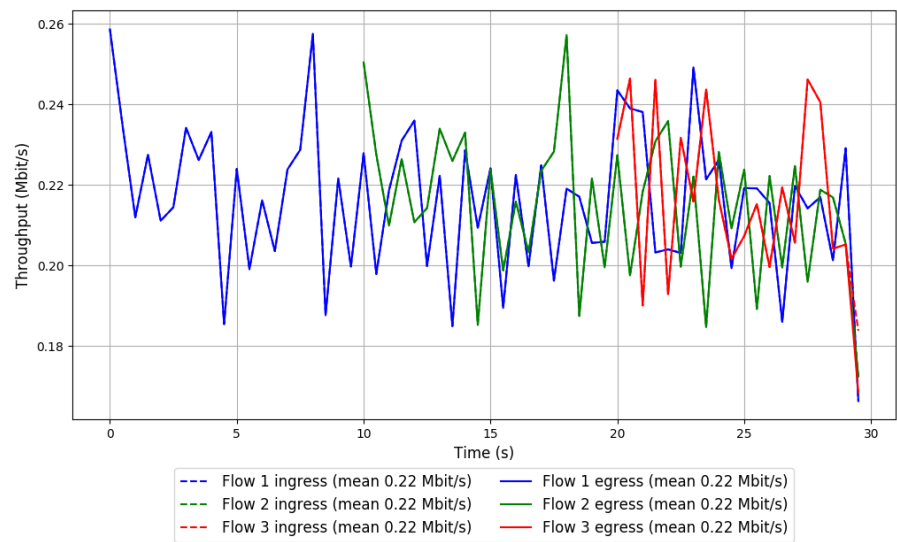


Run 6: Statistics of SReAM

Start at: 2018-03-27 16:40:42
End at: 2018-03-27 16:41:12
Local clock offset: -0.767 ms
Remote clock offset: -4.741 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

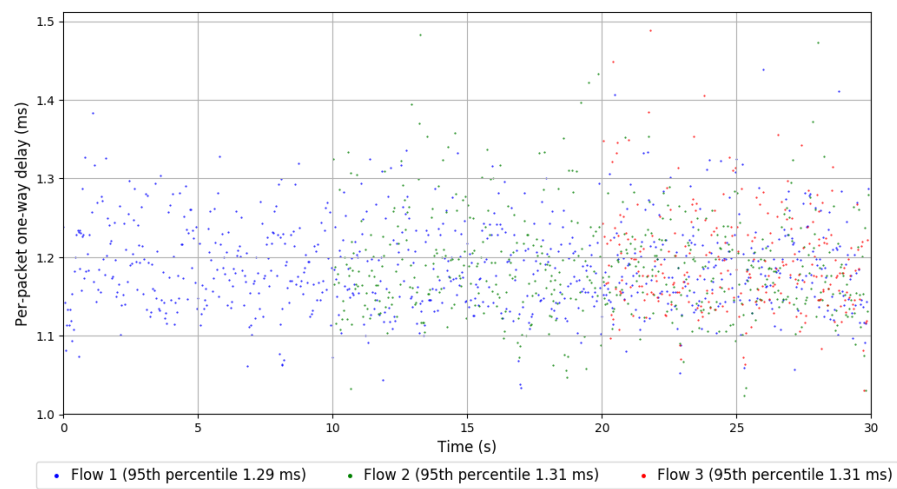
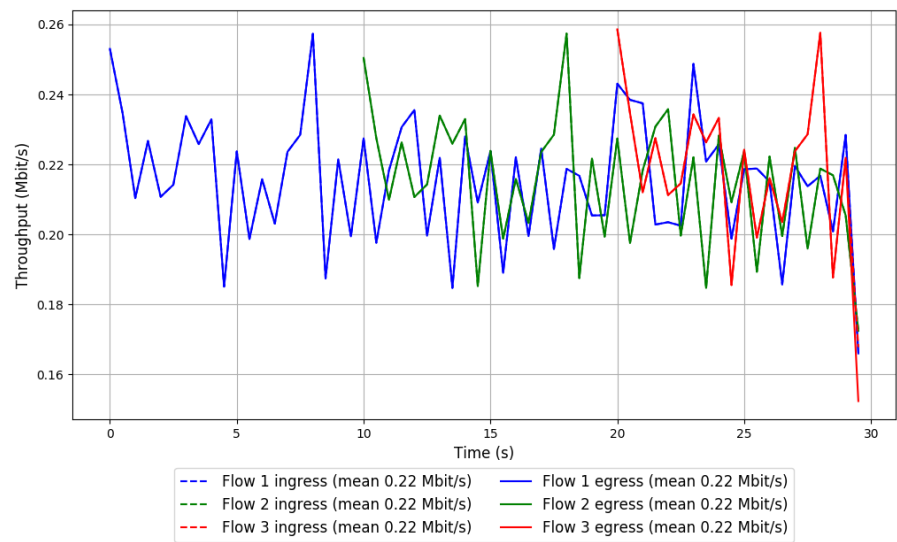


Run 7: Statistics of SReAM

Start at: 2018-03-27 17:09:36
End at: 2018-03-27 17:10:06
Local clock offset: 0.131 ms
Remote clock offset: -5.551 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.315 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

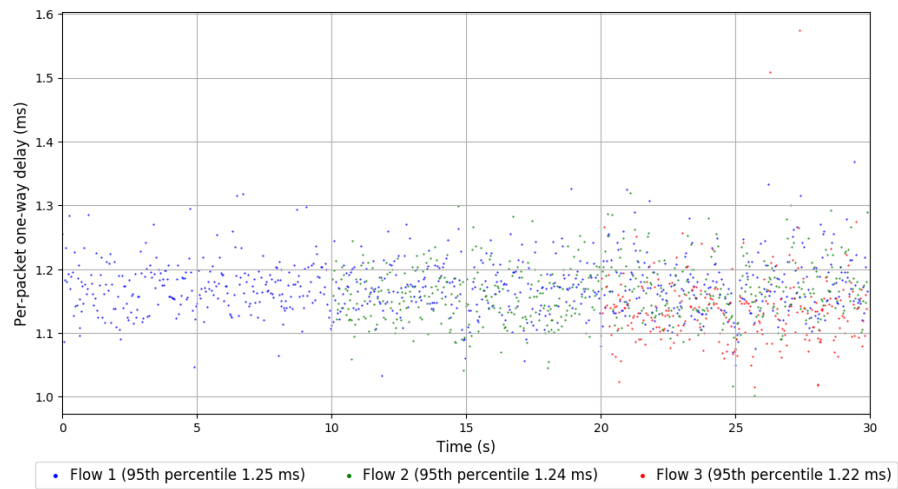
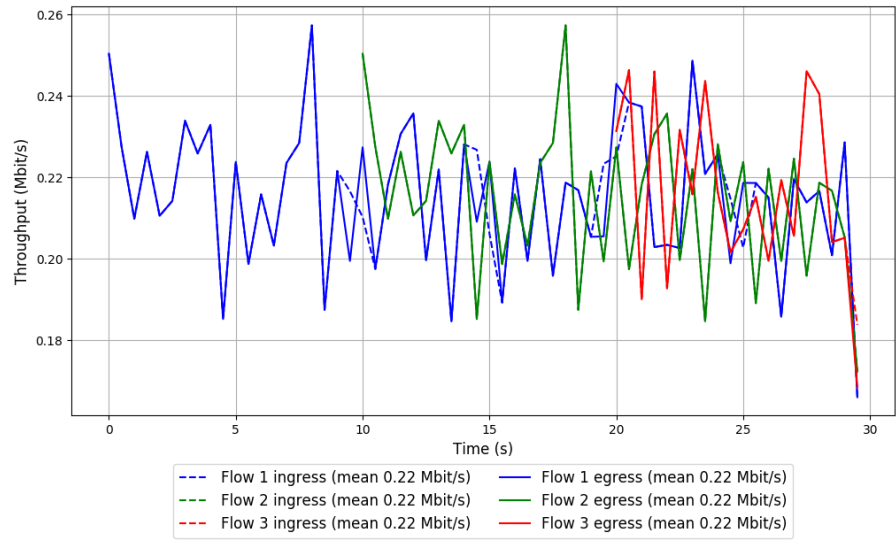


Run 8: Statistics of SReAM

Start at: 2018-03-27 17:38:37
End at: 2018-03-27 17:39:07
Local clock offset: 1.511 ms
Remote clock offset: -5.325 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

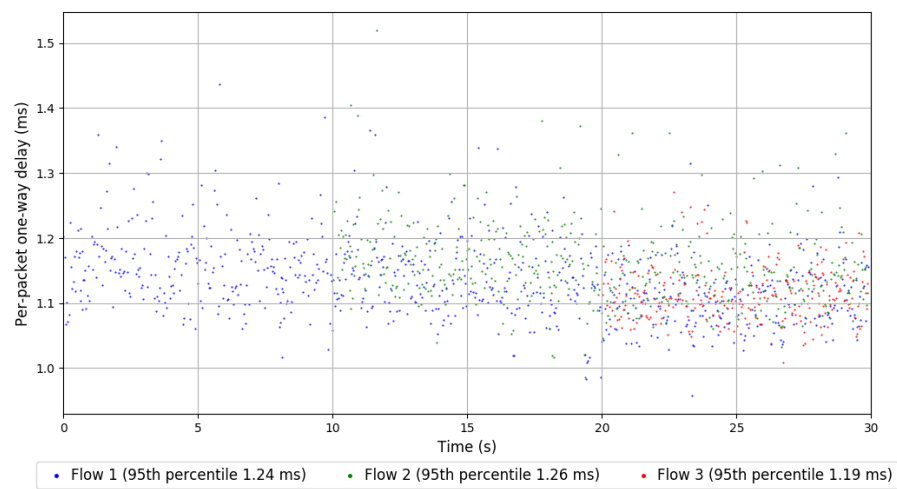
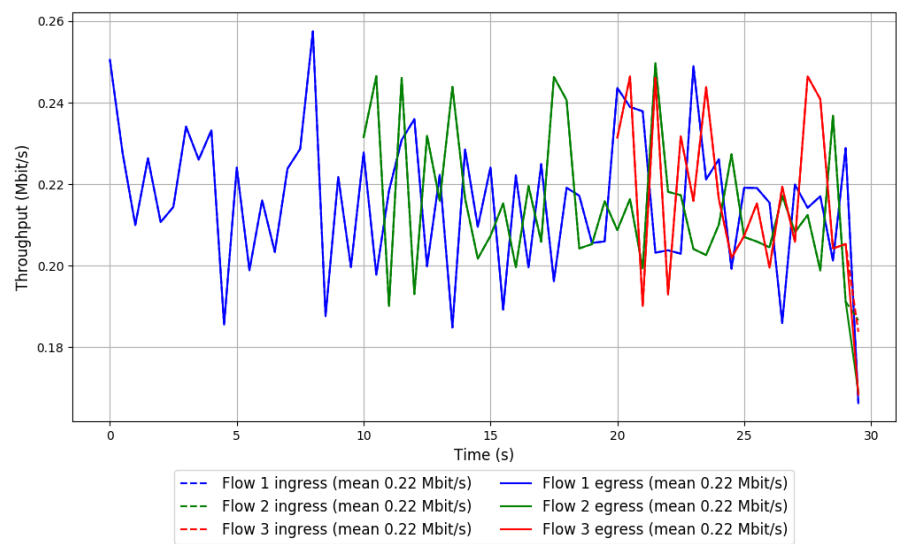


Run 9: Statistics of SReAM

Start at: 2018-03-27 18:07:35
End at: 2018-03-27 18:08:05
Local clock offset: 1.173 ms
Remote clock offset: -5.142 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

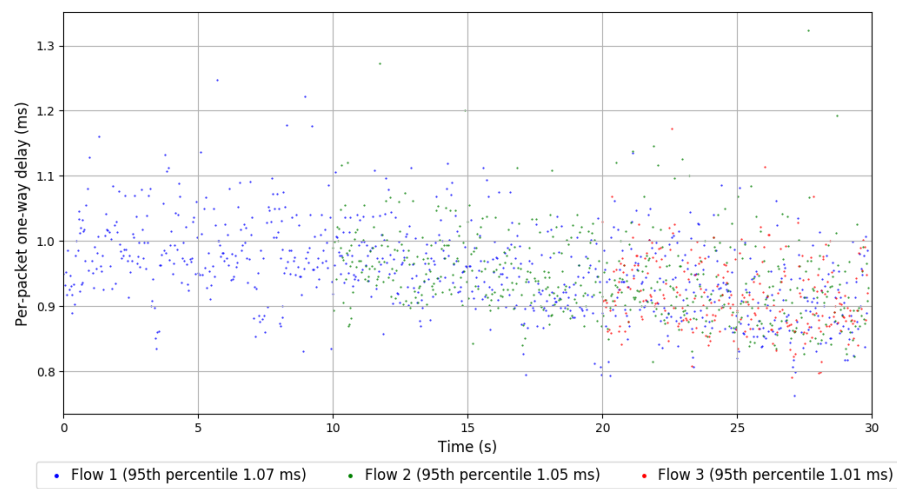
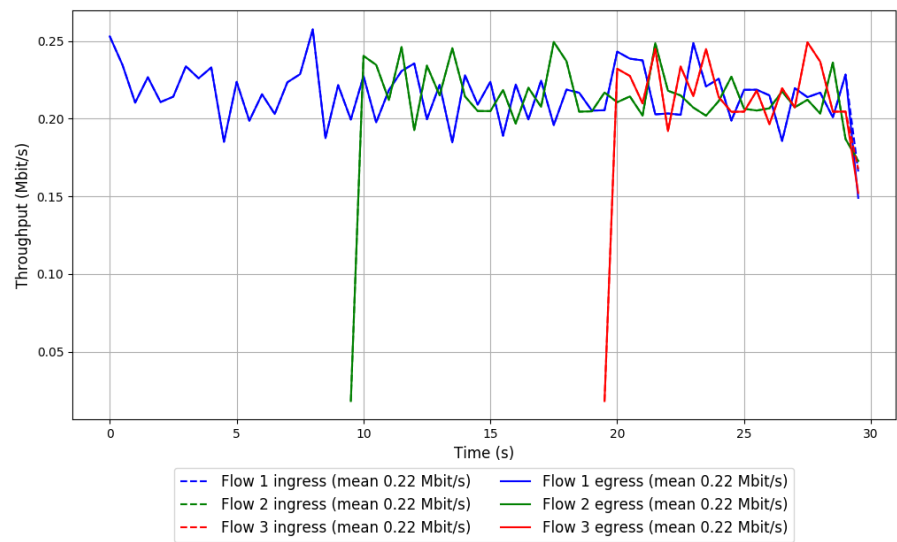


Run 10: Statistics of SReAM

Start at: 2018-03-27 18:36:34
End at: 2018-03-27 18:37:04
Local clock offset: 6.75 ms
Remote clock offset: -6.079 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.072 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.006 ms
Loss rate: 0.35%

Run 10: Report of SCRaM — Data Link

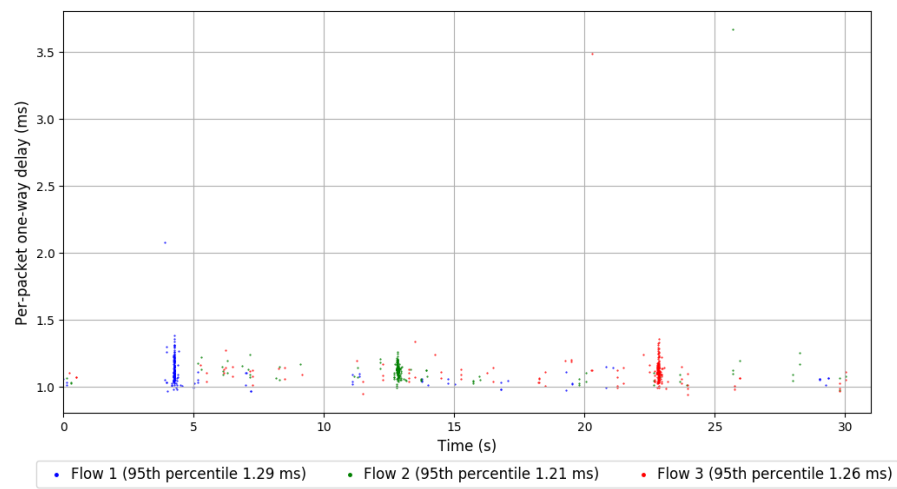
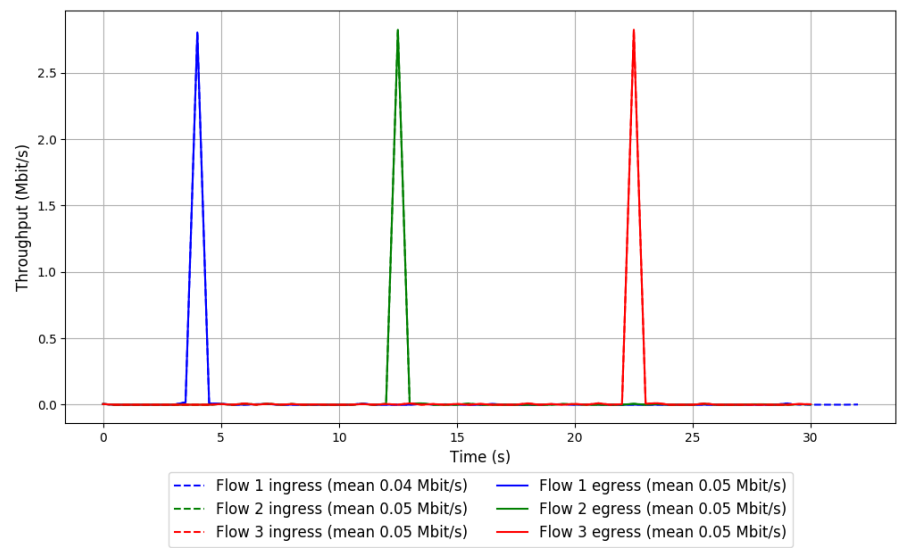


Run 1: Statistics of WebRTC media

Start at: 2018-03-27 14:43:53
End at: 2018-03-27 14:44:23
Local clock offset: 4.852 ms
Remote clock offset: -4.751 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.292 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

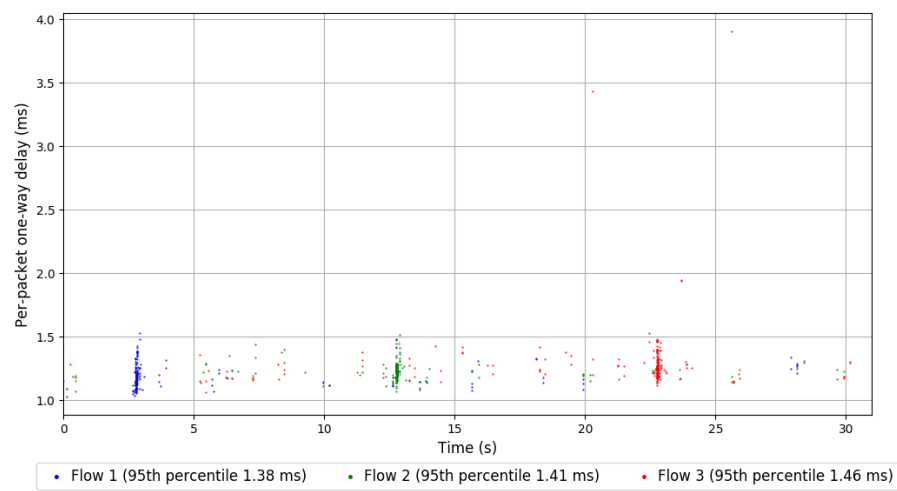
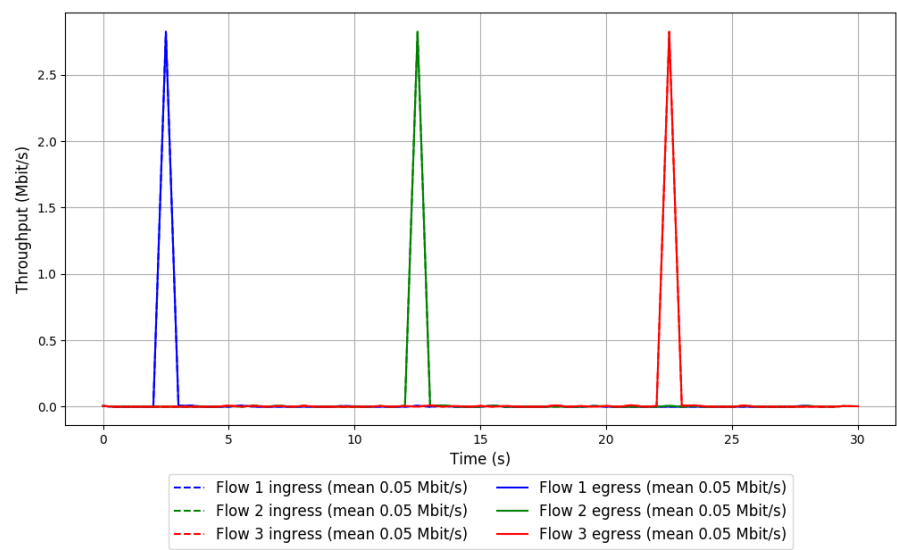


Run 2: Statistics of WebRTC media

Start at: 2018-03-27 15:12:47
End at: 2018-03-27 15:13:17
Local clock offset: -0.117 ms
Remote clock offset: -3.942 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.412 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.458 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

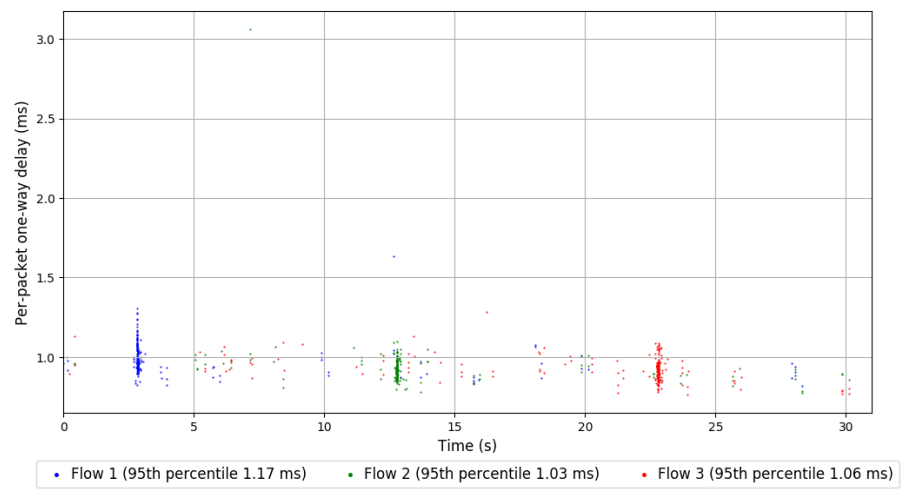
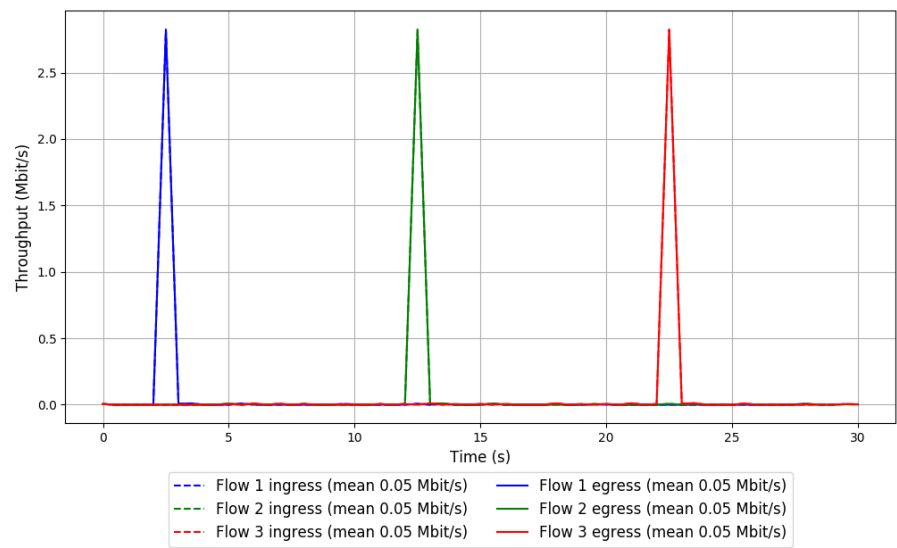


Run 3: Statistics of WebRTC media

Start at: 2018-03-27 15:41:26
End at: 2018-03-27 15:41:56
Local clock offset: -1.063 ms
Remote clock offset: -4.852 ms

```
# Below is generated by plot.py at 2018-03-28 01:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

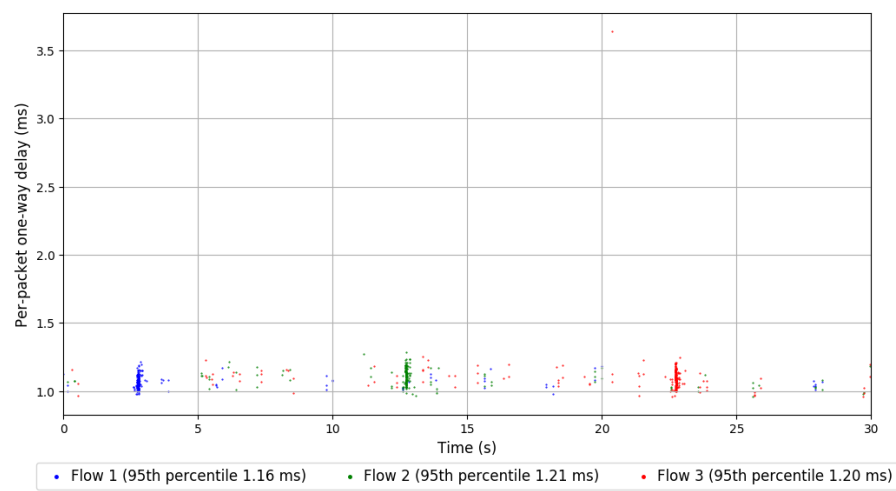
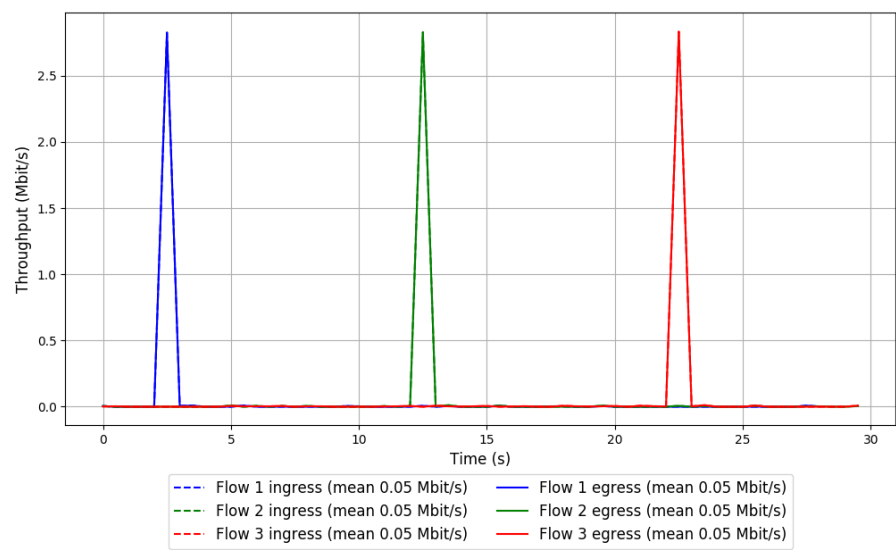


Run 4: Statistics of WebRTC media

Start at: 2018-03-27 16:10:16
End at: 2018-03-27 16:10:46
Local clock offset: -0.419 ms
Remote clock offset: -6.019 ms

```
# Below is generated by plot.py at 2018-03-28 01:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

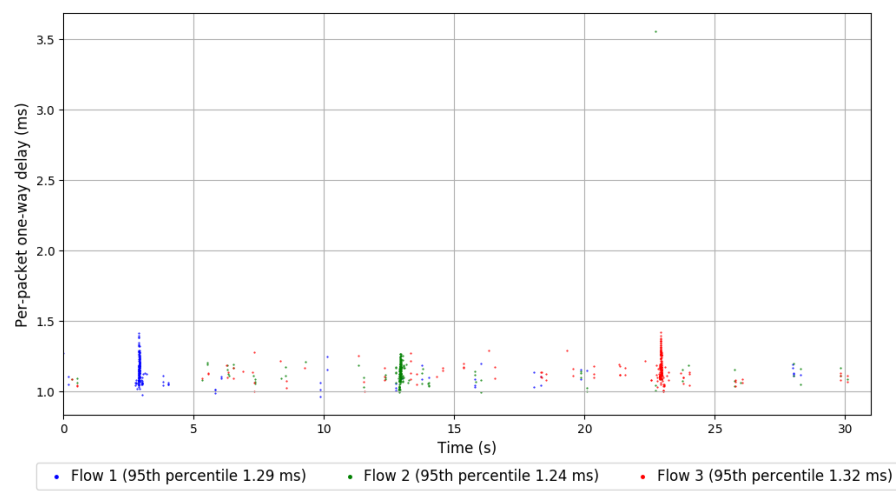
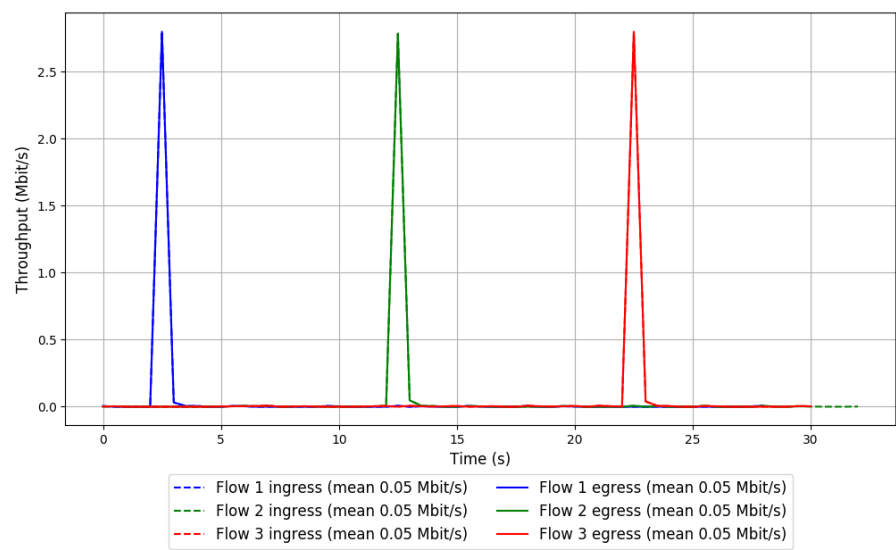


Run 5: Statistics of WebRTC media

Start at: 2018-03-27 16:39:23
End at: 2018-03-27 16:39:53
Local clock offset: -0.674 ms
Remote clock offset: -4.805 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

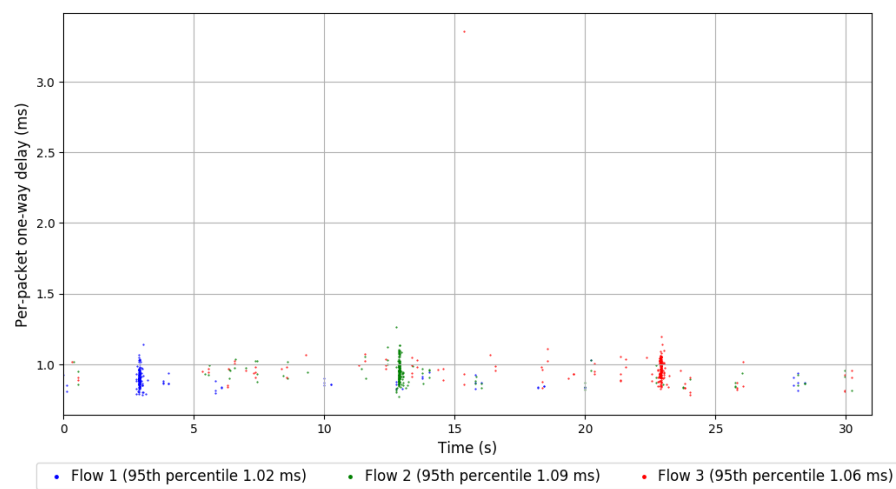
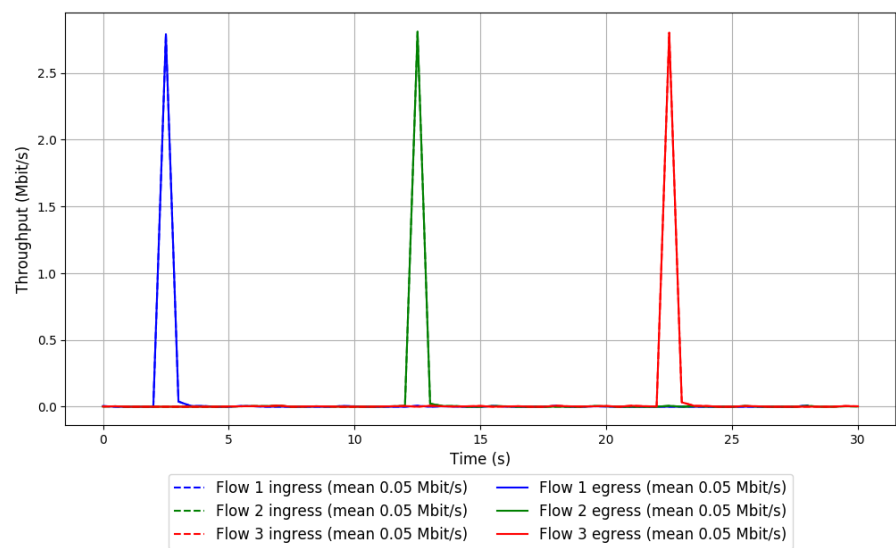


Run 6: Statistics of WebRTC media

Start at: 2018-03-27 17:08:16
End at: 2018-03-27 17:08:46
Local clock offset: 0.038 ms
Remote clock offset: -5.399 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.060 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

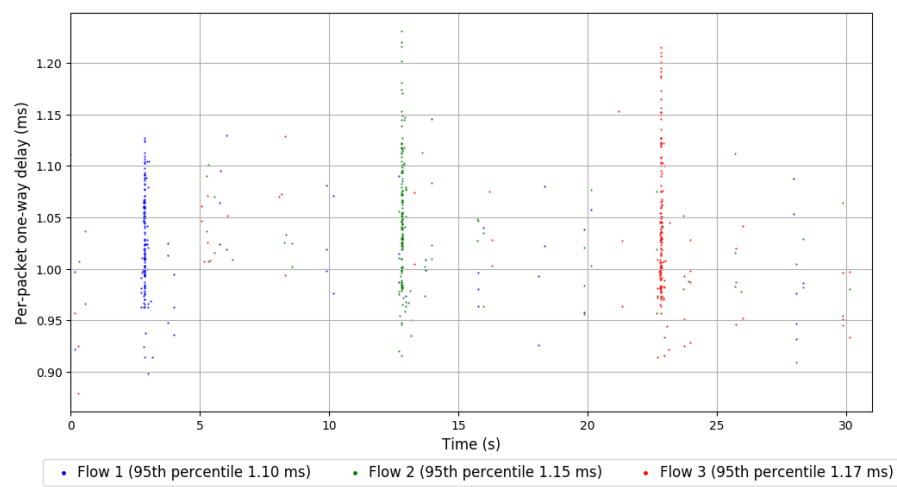
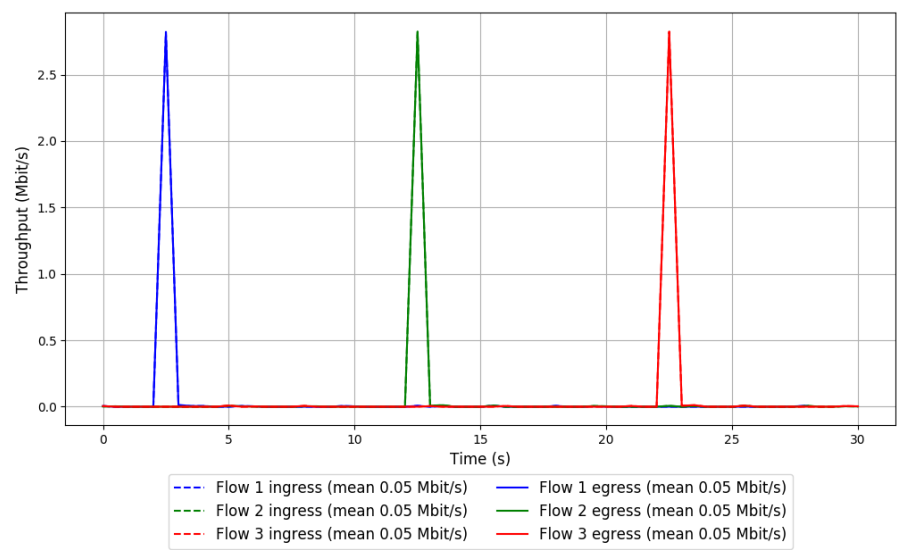


Run 7: Statistics of WebRTC media

Start at: 2018-03-27 17:37:18
End at: 2018-03-27 17:37:48
Local clock offset: 1.407 ms
Remote clock offset: -5.376 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

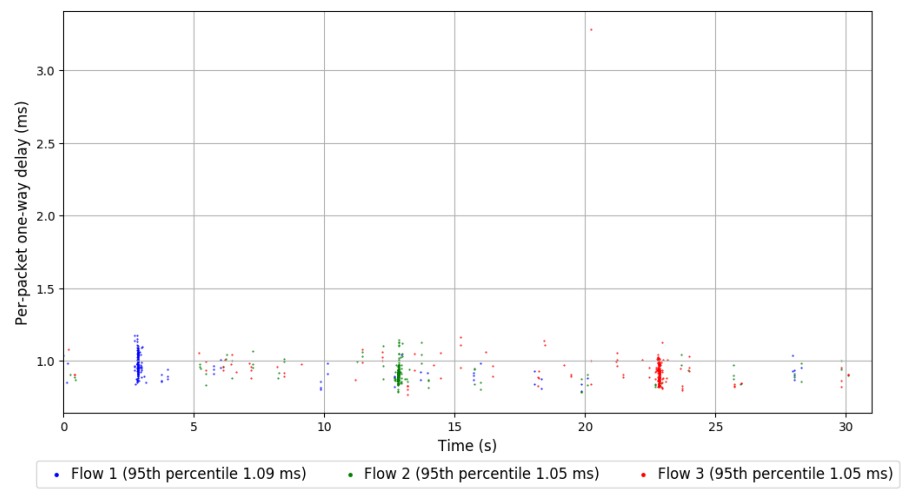
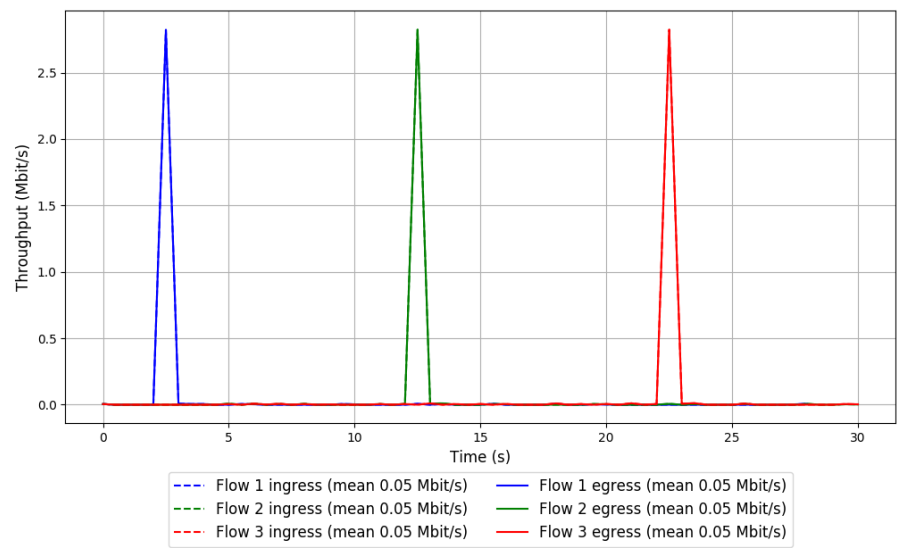


Run 8: Statistics of WebRTC media

Start at: 2018-03-27 18:06:16
End at: 2018-03-27 18:06:46
Local clock offset: 1.076 ms
Remote clock offset: -4.929 ms

```
# Below is generated by plot.py at 2018-03-28 01:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-03-27 18:35:15

End at: 2018-03-27 18:35:45

Local clock offset: 6.353 ms

Remote clock offset: -6.02 ms

Below is generated by plot.py at 2018-03-28 01:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 0.918 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.919 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.920 ms

Loss rate: 0.00%

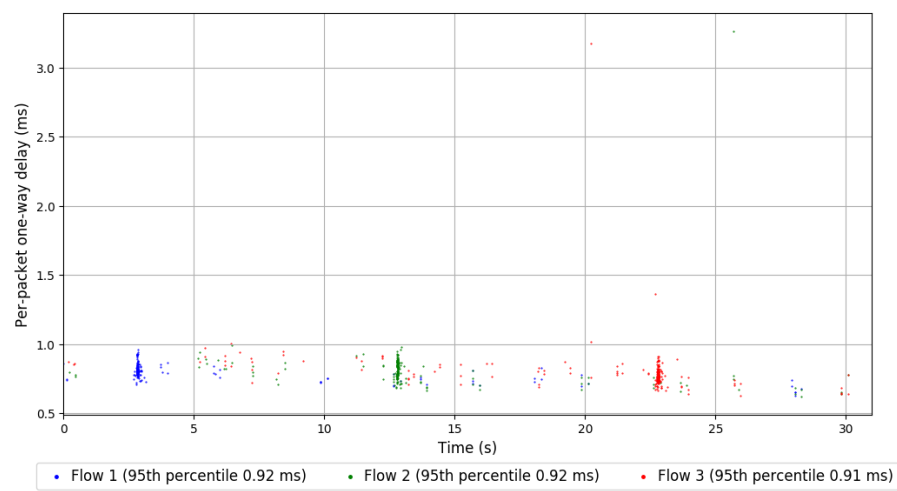
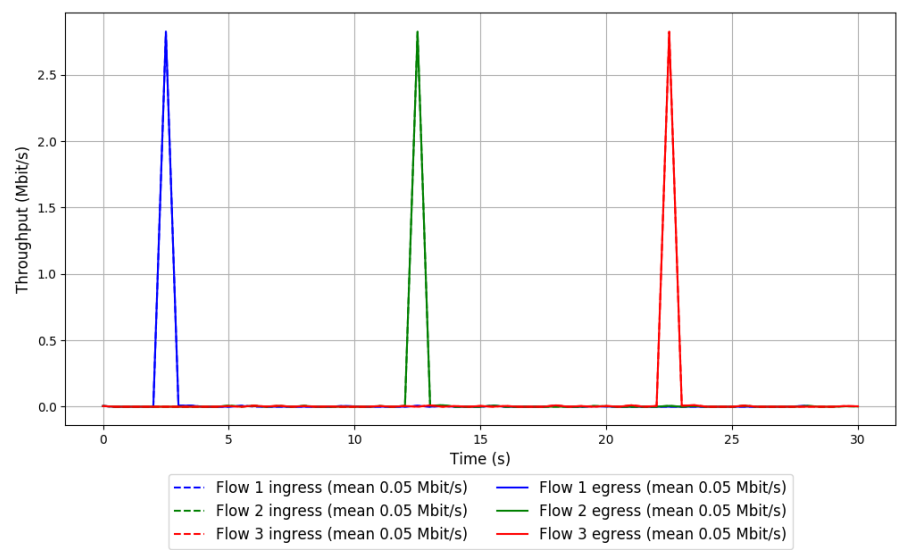
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.913 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-27 19:04:11

End at: 2018-03-27 19:04:41

Local clock offset: 5.259 ms

Remote clock offset: -5.97 ms

Below is generated by plot.py at 2018-03-28 01:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 1.777 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.613 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.691 ms

Loss rate: 0.00%

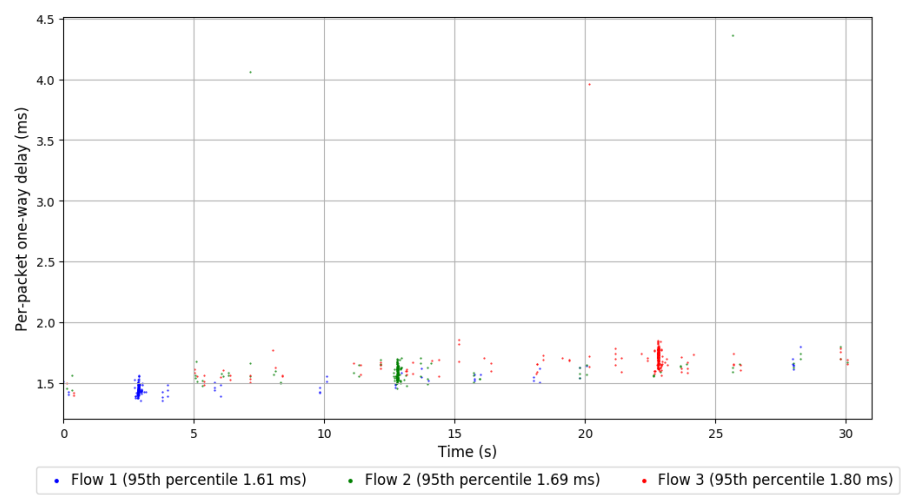
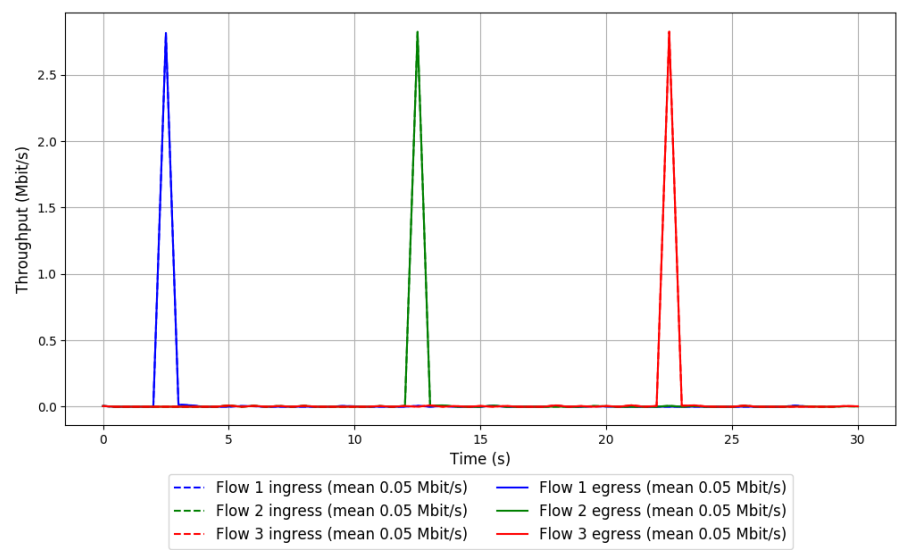
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.798 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

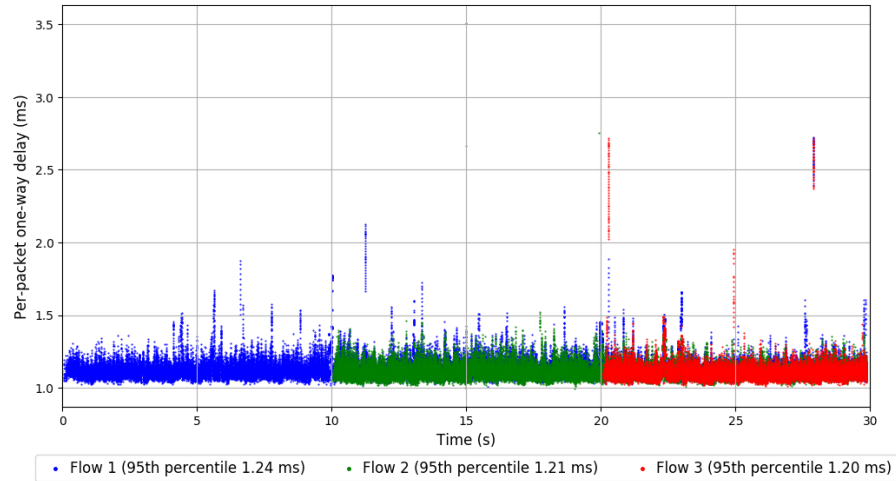
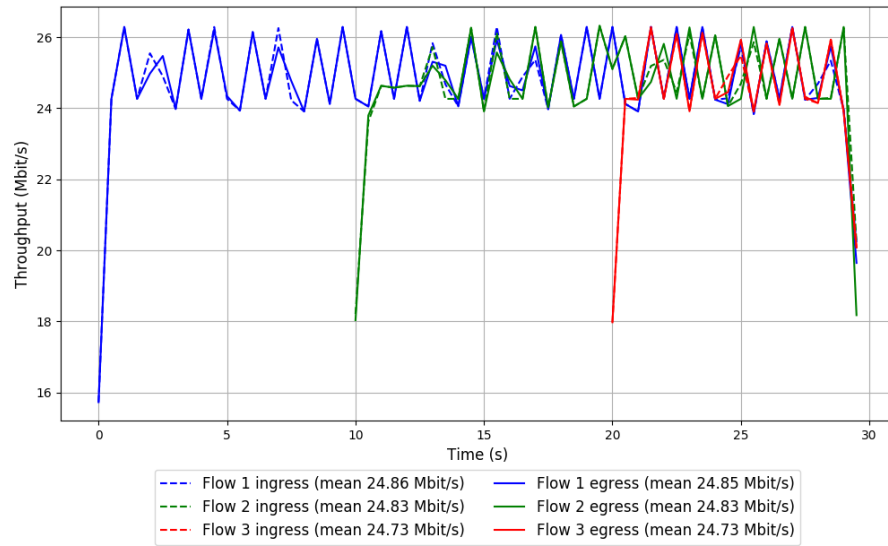


Run 1: Statistics of Sprout

Start at: 2018-03-27 14:41:02
End at: 2018-03-27 14:41:32
Local clock offset: 4.836 ms
Remote clock offset: -4.839 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-03-27 15:09:57

End at: 2018-03-27 15:10:27

Local clock offset: 0.651 ms

Remote clock offset: -4.0 ms

Below is generated by plot.py at 2018-03-28 01:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.14 Mbit/s

95th percentile per-packet one-way delay: 1.503 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 24.92 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 1.511 ms

Loss rate: 0.00%

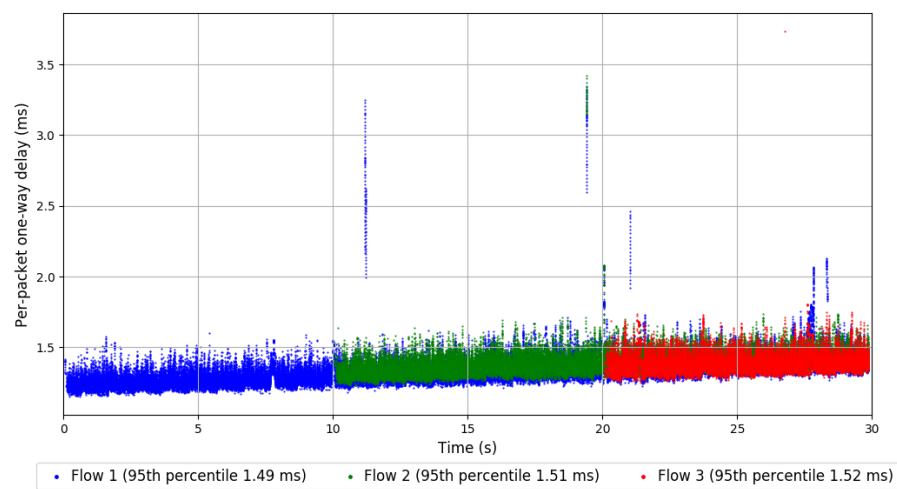
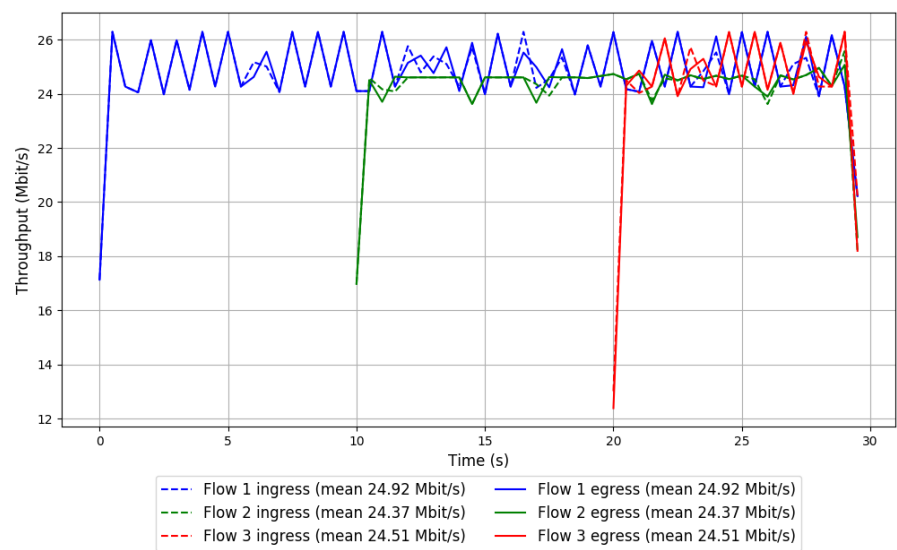
-- Flow 3:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 1.522 ms

Loss rate: 0.42%

Run 2: Report of Sprout — Data Link

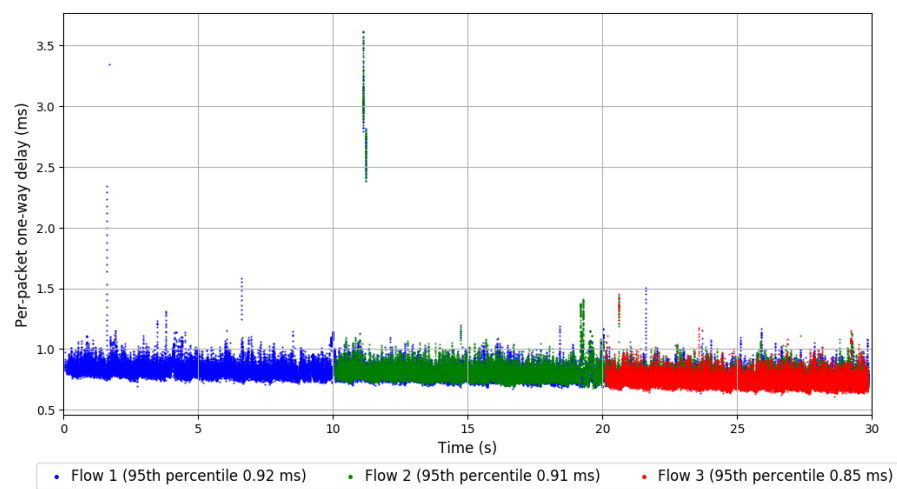
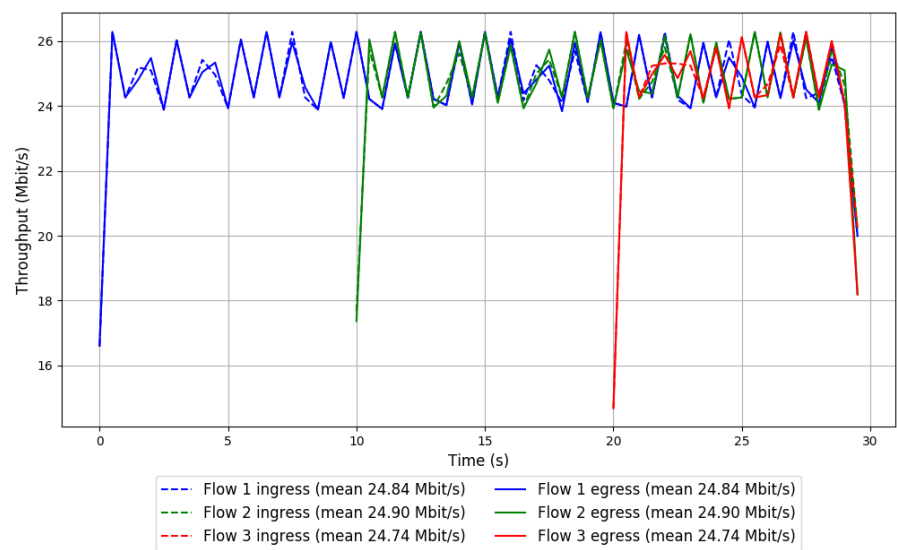


Run 3: Statistics of Sprout

Start at: 2018-03-27 15:38:35
End at: 2018-03-27 15:39:05
Local clock offset: -1.649 ms
Remote clock offset: -4.863 ms

```
# Below is generated by plot.py at 2018-03-28 01:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 0.911 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 0.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 0.908 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 0.853 ms
Loss rate: 0.42%
```

Run 3: Report of Sprout — Data Link

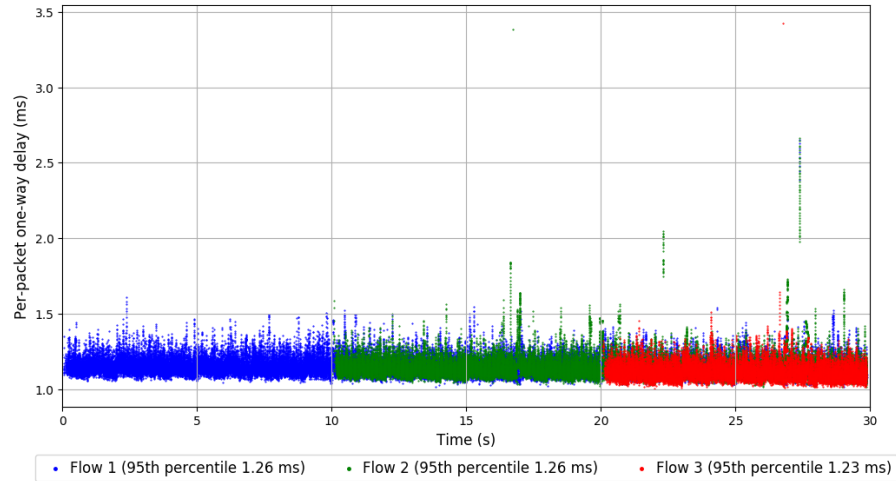
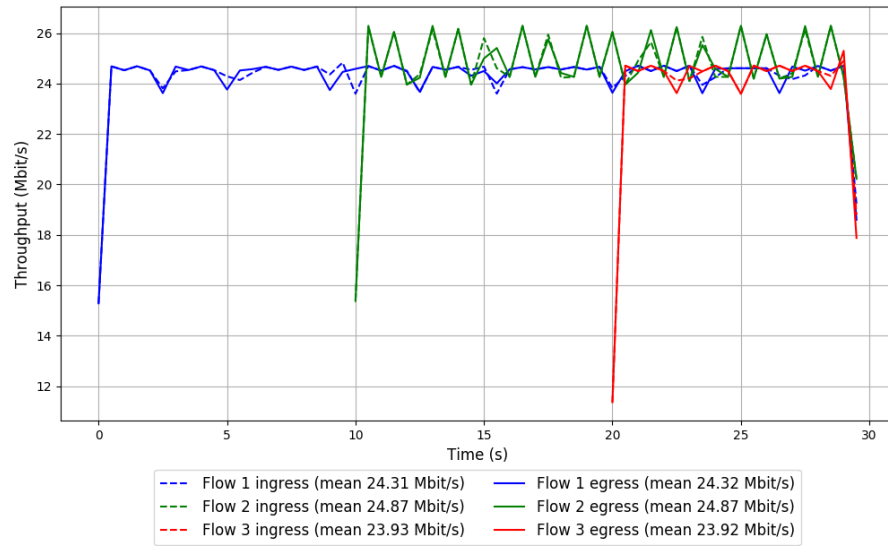


Run 4: Statistics of Sprout

Start at: 2018-03-27 16:07:27
End at: 2018-03-27 16:07:57
Local clock offset: -0.462 ms
Remote clock offset: -5.952 ms

```
# Below is generated by plot.py at 2018-03-28 01:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.22%
```

Run 4: Report of Sprout — Data Link

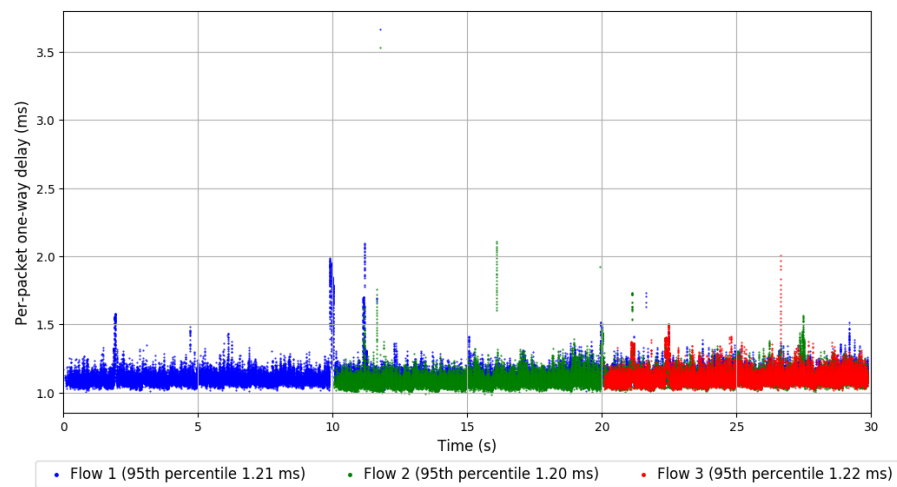
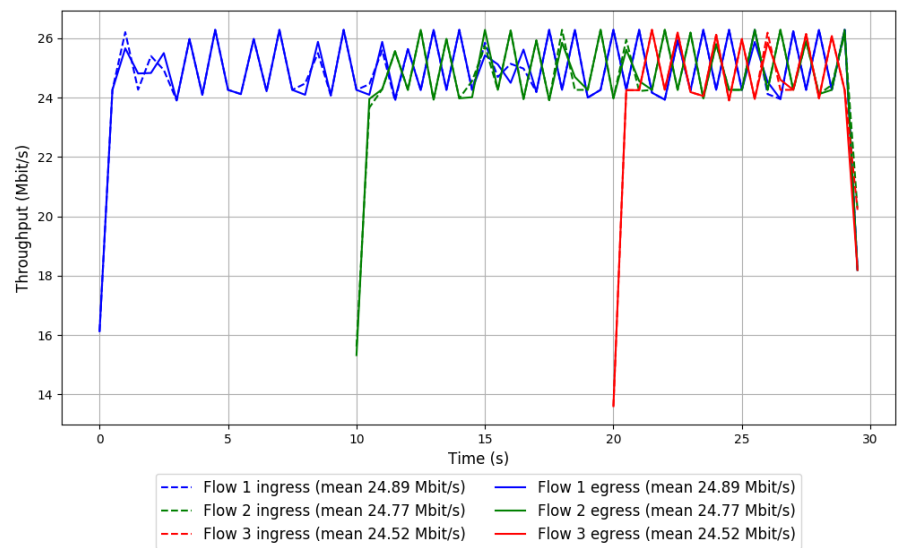


Run 5: Statistics of Sprout

Start at: 2018-03-27 16:36:32
End at: 2018-03-27 16:37:02
Local clock offset: -0.562 ms
Remote clock offset: -4.853 ms

```
# Below is generated by plot.py at 2018-03-28 01:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 1.204 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.42%
```

Run 5: Report of Sprout — Data Link

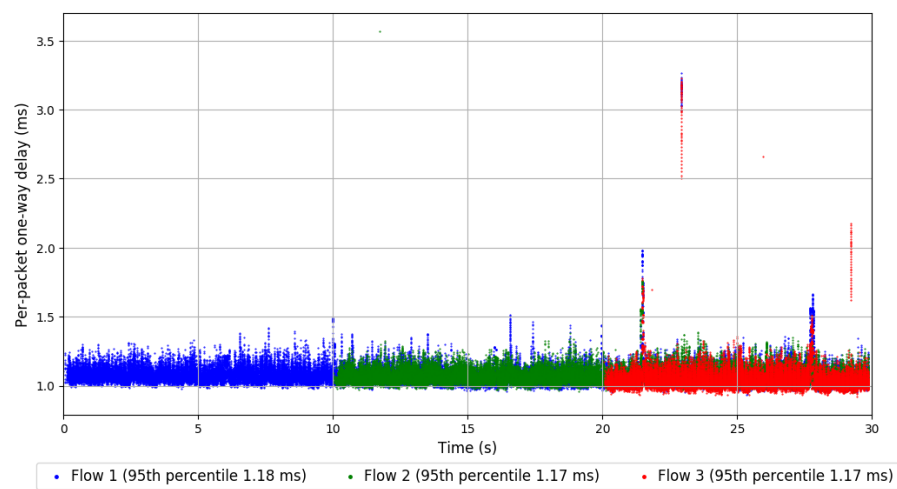
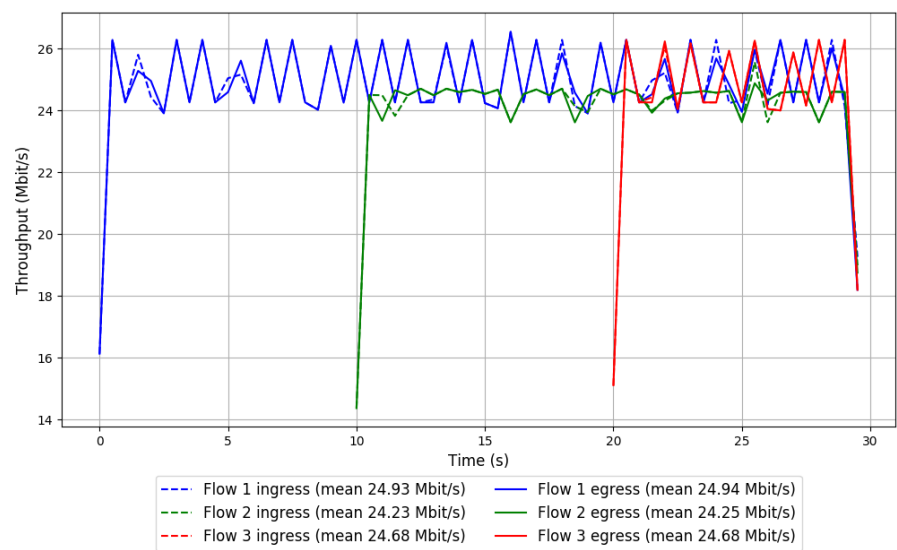


Run 6: Statistics of Sprout

Start at: 2018-03-27 17:05:27
End at: 2018-03-27 17:05:57
Local clock offset: 0.134 ms
Remote clock offset: -5.301 ms

```
# Below is generated by plot.py at 2018-03-28 01:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 1.177 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 1.173 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

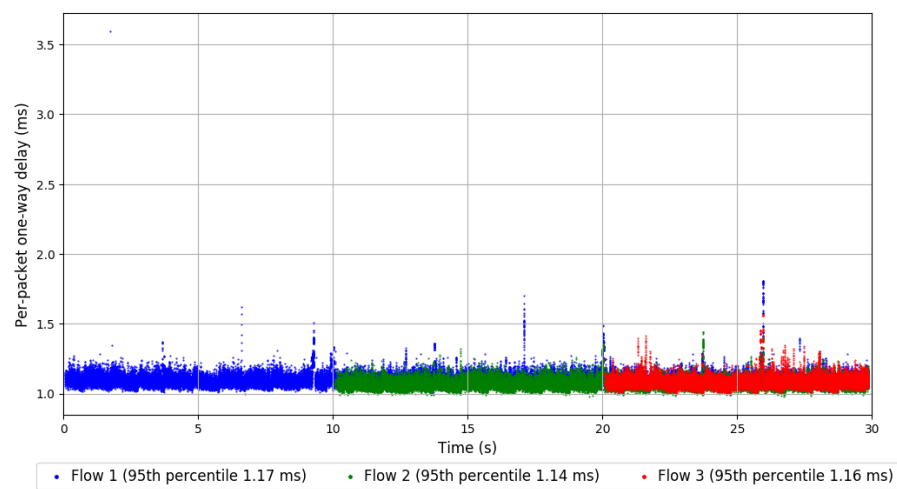
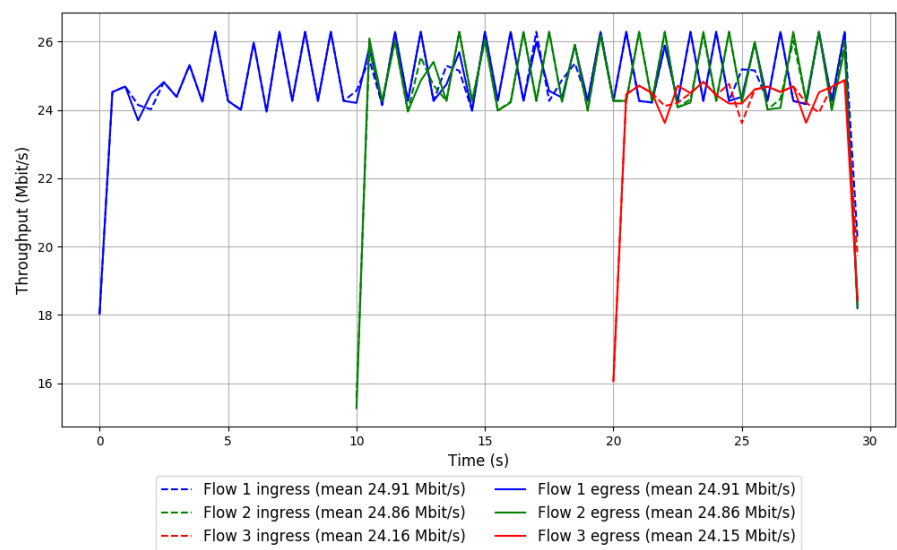


Run 7: Statistics of Sprout

Start at: 2018-03-27 17:34:29
End at: 2018-03-27 17:34:59
Local clock offset: 1.393 ms
Remote clock offset: -5.497 ms

```
# Below is generated by plot.py at 2018-03-28 01:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.34 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 24.91 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 1.156 ms
Loss rate: 0.27%
```

Run 7: Report of Sprout — Data Link

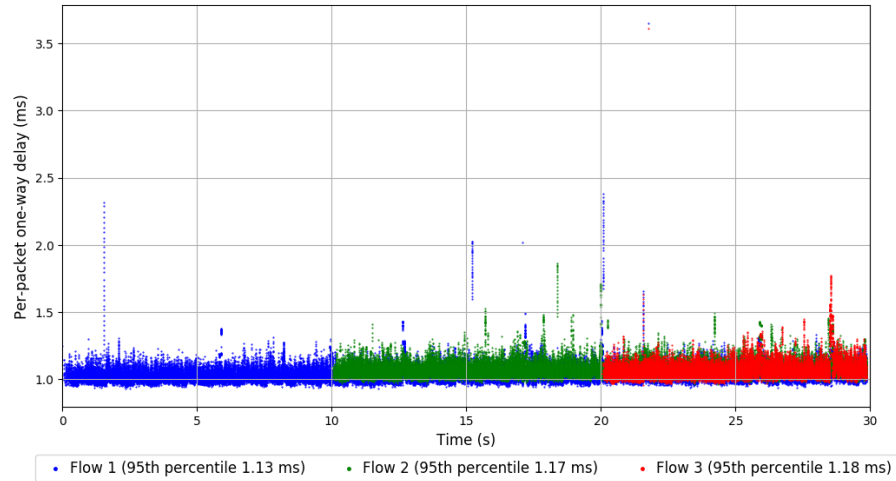
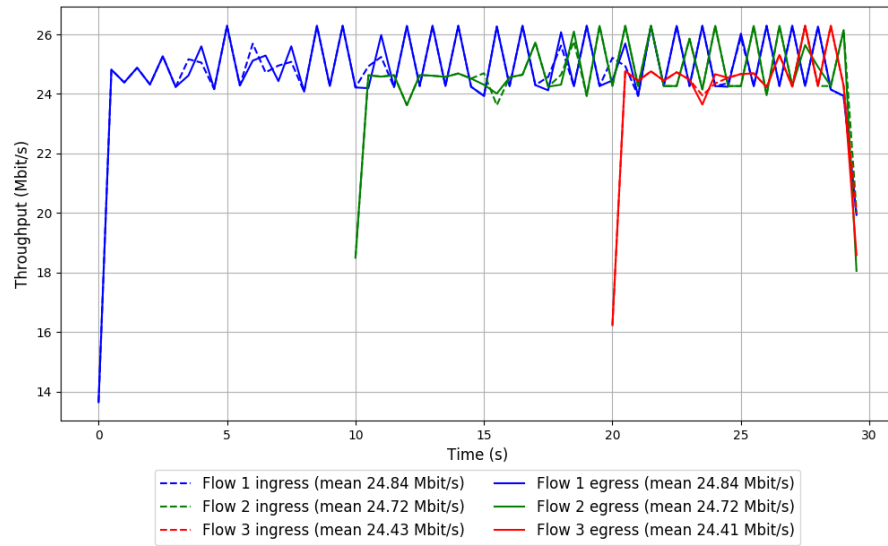


Run 8: Statistics of Sprout

Start at: 2018-03-27 18:03:26
End at: 2018-03-27 18:03:56
Local clock offset: 1.232 ms
Remote clock offset: -4.656 ms

```
# Below is generated by plot.py at 2018-03-28 01:08:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.30 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 1.176 ms
Loss rate: 0.29%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-03-27 18:32:24

End at: 2018-03-27 18:32:54

Local clock offset: 5.336 ms

Remote clock offset: -6.06 ms

Below is generated by plot.py at 2018-03-28 01:08:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.02 Mbit/s

95th percentile per-packet one-way delay: 0.810 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 24.86 Mbit/s

95th percentile per-packet one-way delay: 0.844 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 0.768 ms

Loss rate: 0.11%

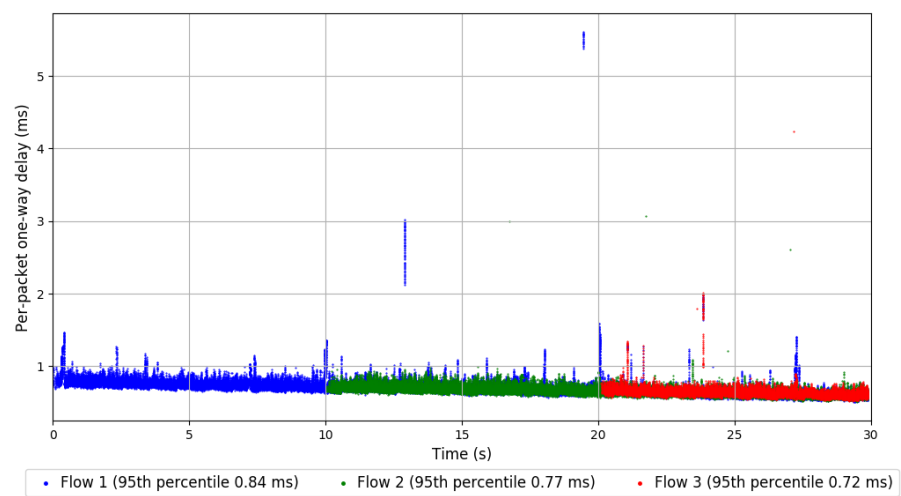
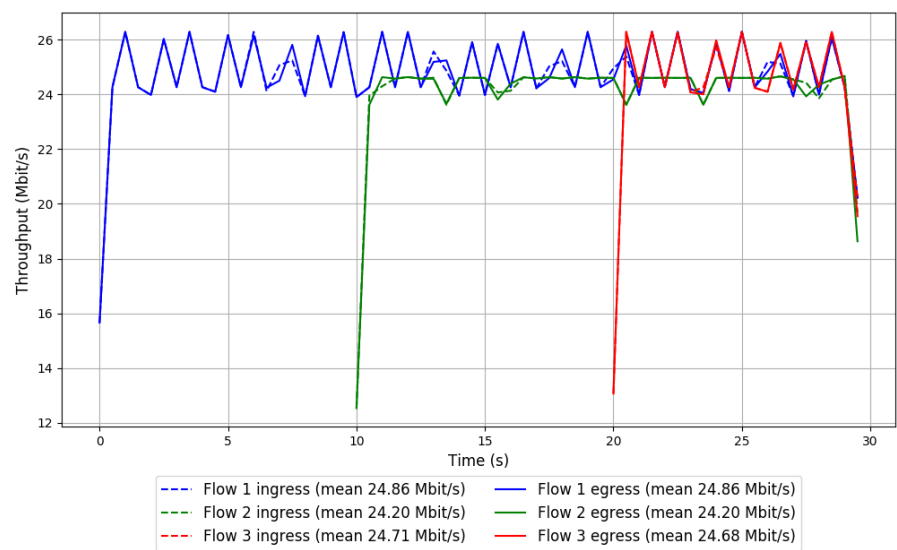
-- Flow 3:

Average throughput: 24.68 Mbit/s

95th percentile per-packet one-way delay: 0.723 ms

Loss rate: 0.14%

Run 9: Report of Sprout — Data Link

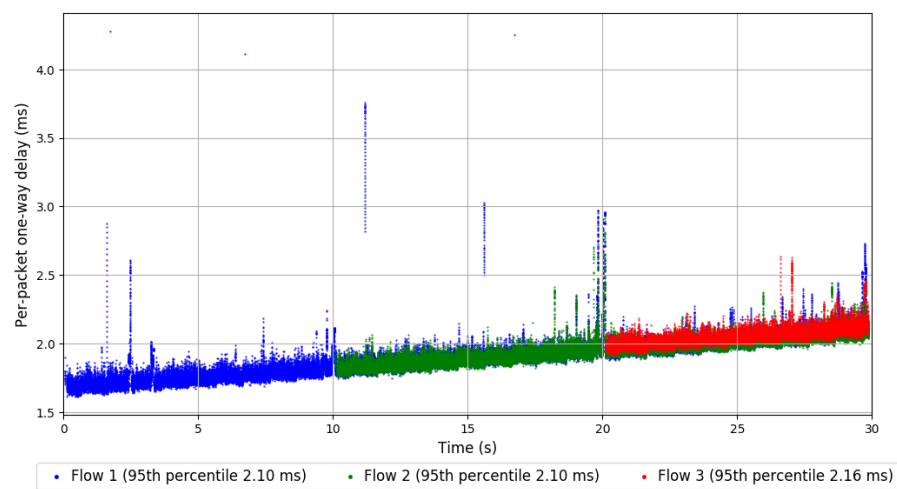
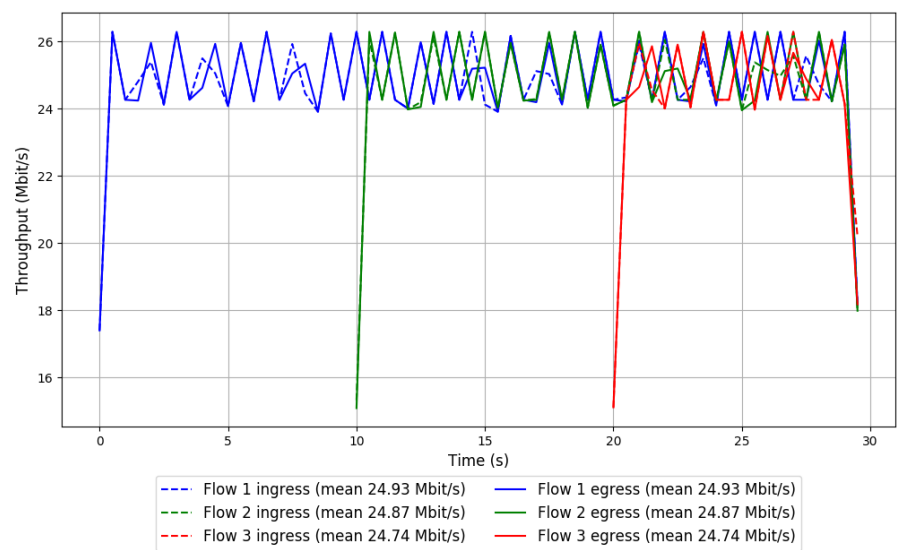


Run 10: Statistics of Sprout

Start at: 2018-03-27 19:01:21
End at: 2018-03-27 19:01:51
Local clock offset: 7.539 ms
Remote clock offset: -5.958 ms

Below is generated by plot.py at 2018-03-28 01:08:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.52 Mbit/s
95th percentile per-packet one-way delay: 2.117 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 2.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.87 Mbit/s
95th percentile per-packet one-way delay: 2.098 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 2.158 ms
Loss rate: 0.42%

Run 10: Report of Sprout — Data Link

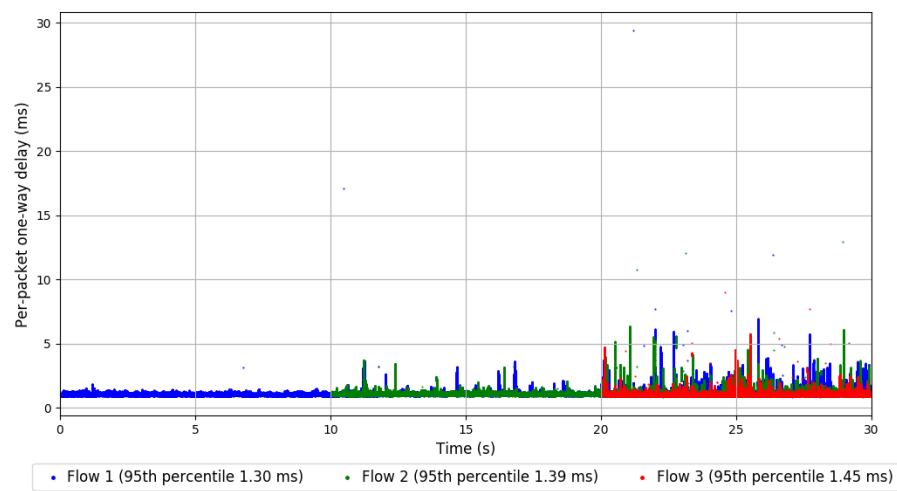
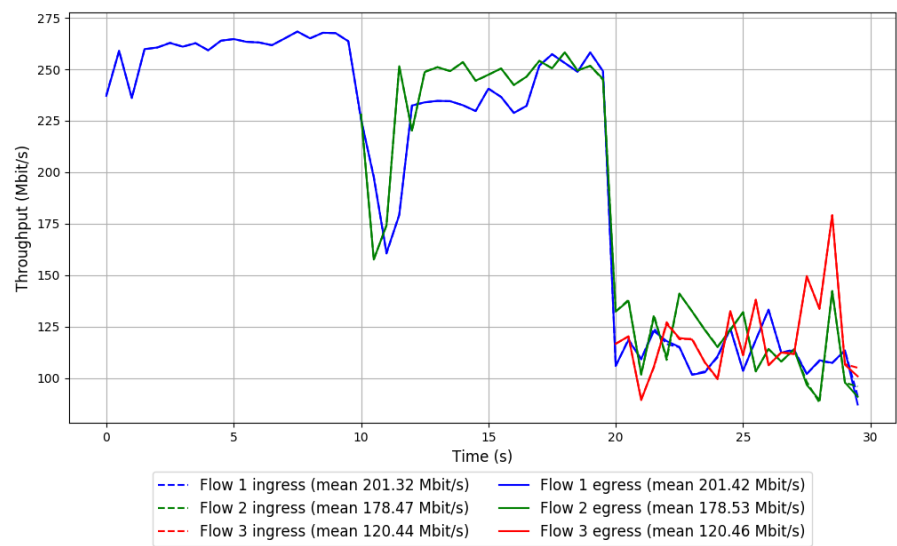


Run 1: Statistics of TaoVA-100x

Start at: 2018-03-27 14:30:44
End at: 2018-03-27 14:31:14
Local clock offset: 4.868 ms
Remote clock offset: -4.976 ms

Below is generated by plot.py at 2018-03-28 01:14:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.93 Mbit/s
95th percentile per-packet one-way delay: 1.349 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 201.42 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 178.53 Mbit/s
95th percentile per-packet one-way delay: 1.388 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 120.46 Mbit/s
95th percentile per-packet one-way delay: 1.452 ms
Loss rate: 0.19%

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

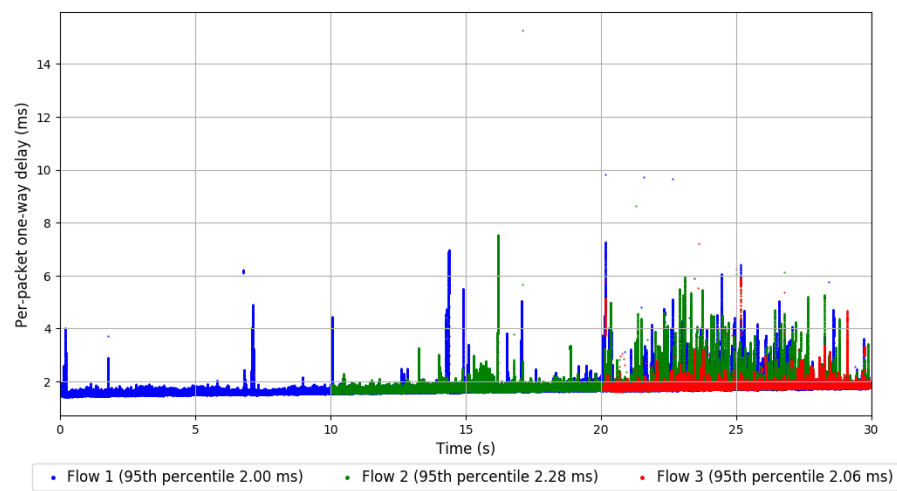
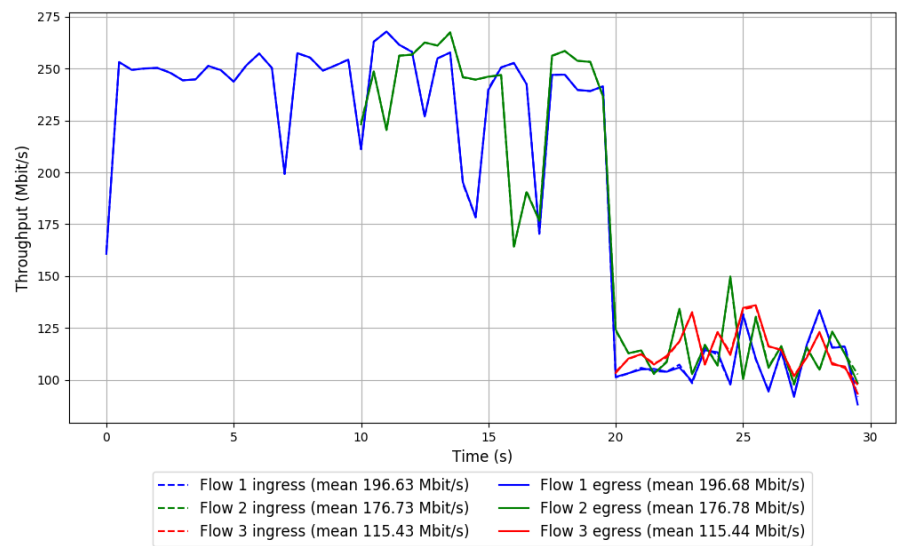


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-27 14:59:48
End at: 2018-03-27 15:00:18
Local clock offset: 5.15 ms
Remote clock offset: -4.304 ms

Below is generated by plot.py at 2018-03-28 01:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.49 Mbit/s
95th percentile per-packet one-way delay: 2.113 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 196.68 Mbit/s
95th percentile per-packet one-way delay: 2.002 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 176.78 Mbit/s
95th percentile per-packet one-way delay: 2.277 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 115.44 Mbit/s
95th percentile per-packet one-way delay: 2.061 ms
Loss rate: 0.20%

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

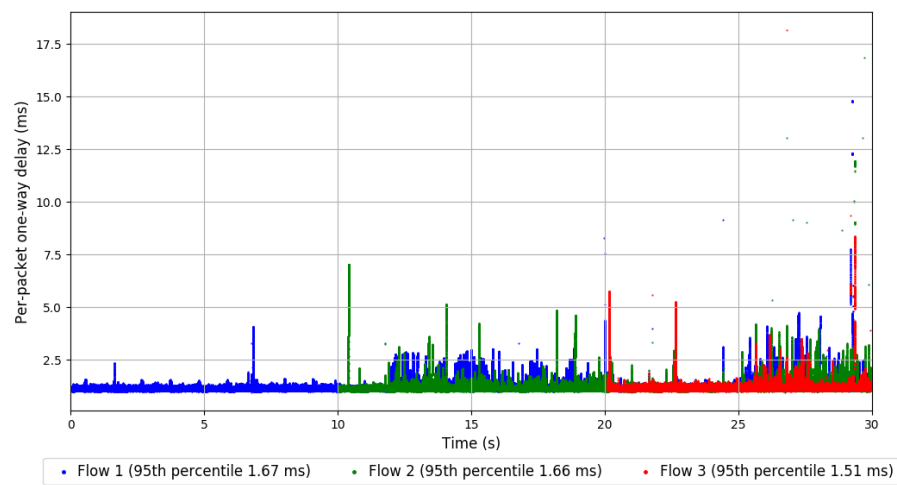
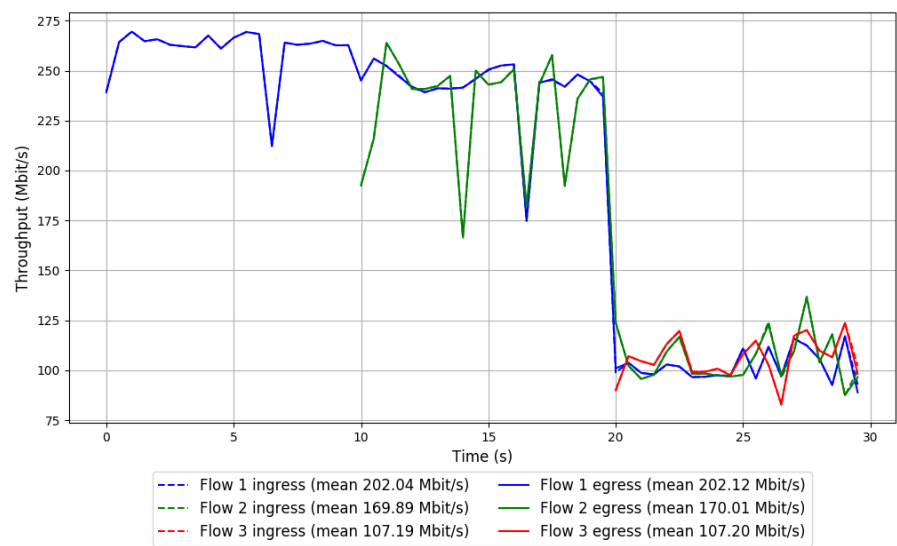


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-27 15:28:28
End at: 2018-03-27 15:28:58
Local clock offset: -2.479 ms
Remote clock offset: -4.861 ms

Below is generated by plot.py at 2018-03-28 01:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.49 Mbit/s
95th percentile per-packet one-way delay: 1.646 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 202.12 Mbit/s
95th percentile per-packet one-way delay: 1.668 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 170.01 Mbit/s
95th percentile per-packet one-way delay: 1.656 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 107.20 Mbit/s
95th percentile per-packet one-way delay: 1.509 ms
Loss rate: 0.20%

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

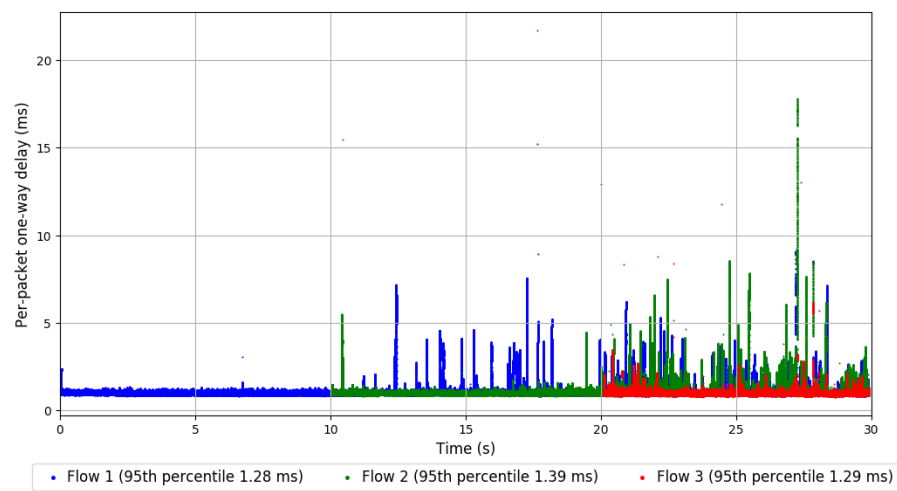
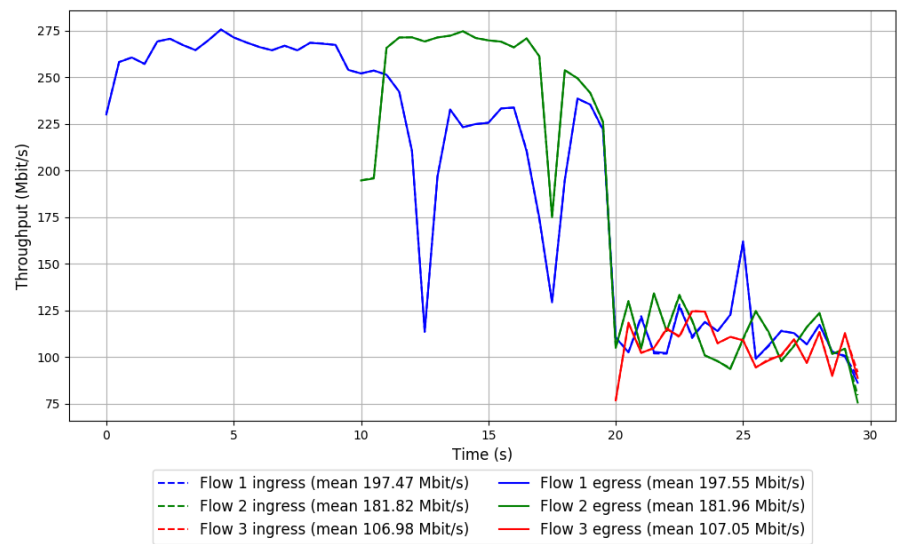


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-27 15:57:14
End at: 2018-03-27 15:57:44
Local clock offset: -0.294 ms
Remote clock offset: -5.564 ms

Below is generated by plot.py at 2018-03-28 01:14:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.86 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 197.55 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 181.96 Mbit/s
95th percentile per-packet one-way delay: 1.386 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 107.05 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.15%

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

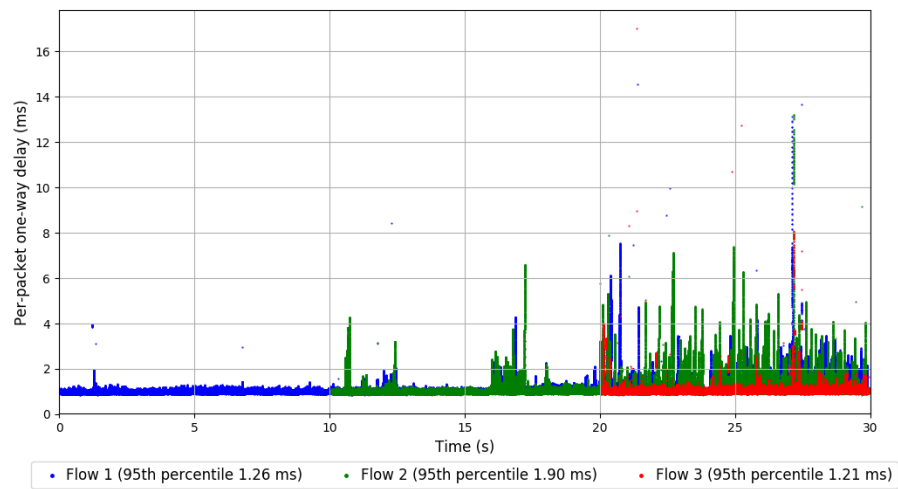
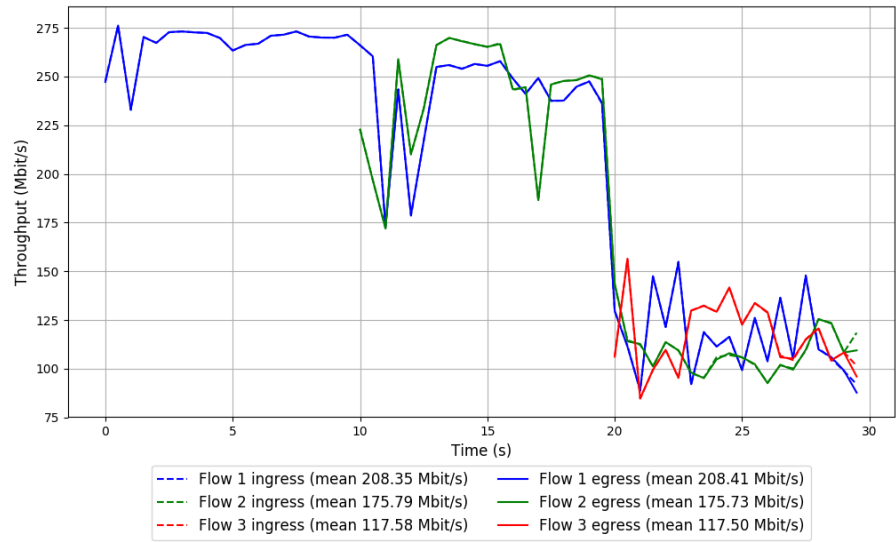


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-27 16:26:12
End at: 2018-03-27 16:26:42
Local clock offset: -0.482 ms
Remote clock offset: -5.539 ms

Below is generated by plot.py at 2018-03-28 01:15:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.03 Mbit/s
95th percentile per-packet one-way delay: 1.429 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 208.41 Mbit/s
95th percentile per-packet one-way delay: 1.259 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 175.73 Mbit/s
95th percentile per-packet one-way delay: 1.898 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 117.50 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.26%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-03-27 16:55:14

End at: 2018-03-27 16:55:44

Local clock offset: 0.035 ms

Remote clock offset: -4.22 ms

Below is generated by plot.py at 2018-03-28 01:15:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.76 Mbit/s

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

Loss rate: 0.05%

-- Flow 1:

Average throughput: 208.36 Mbit/s

95th percentile per-packet one-way delay: 1.238 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 176.03 Mbit/s

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

Loss rate: 0.05%

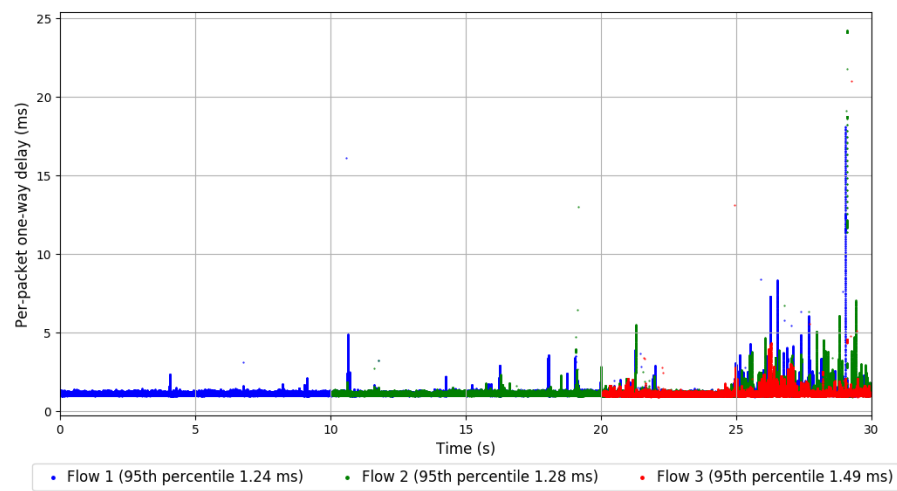
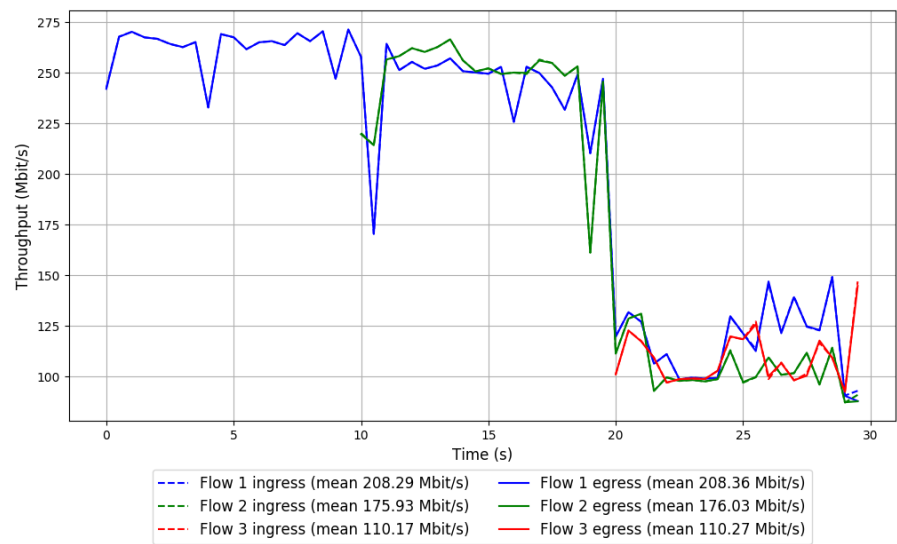
-- Flow 3:

Average throughput: 110.27 Mbit/s

95th percentile per-packet one-way delay: 1.493 ms

Loss rate: 0.10%

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

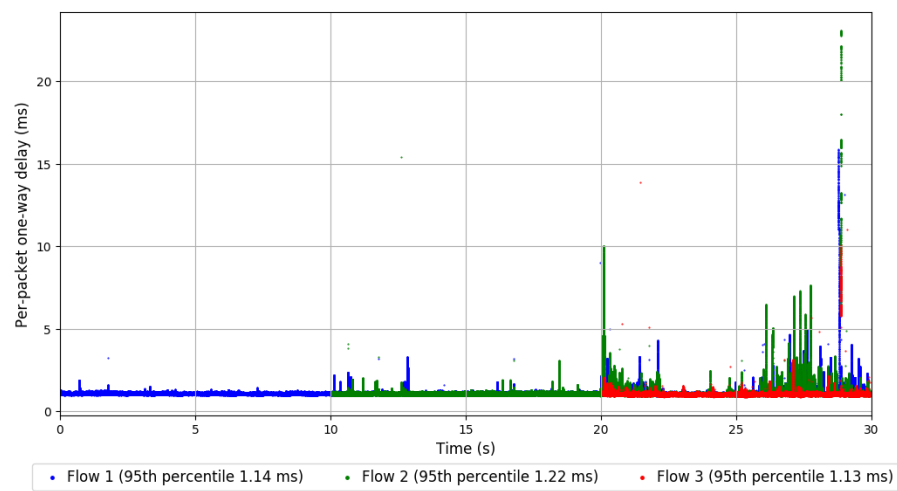
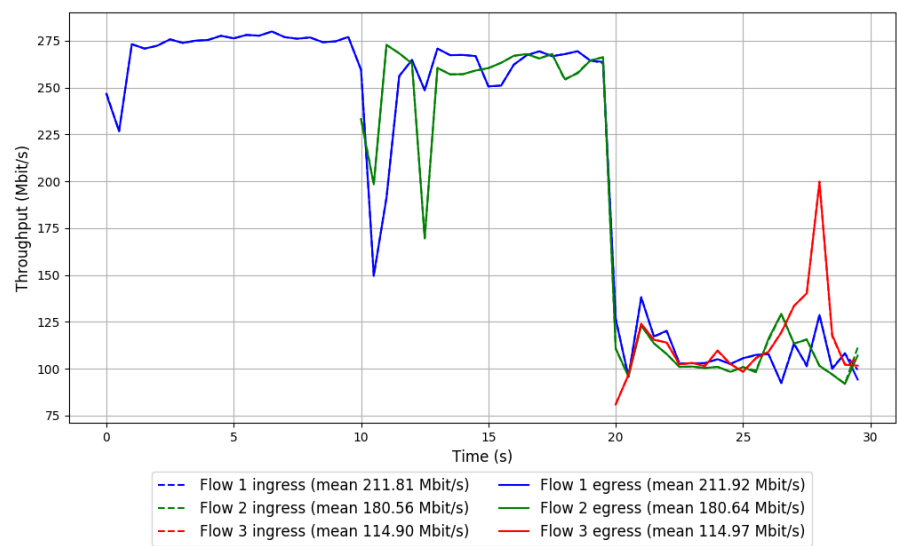


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-27 17:24:12
End at: 2018-03-27 17:24:42
Local clock offset: 0.901 ms
Remote clock offset: -5.799 ms

Below is generated by plot.py at 2018-03-28 01:15:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.08 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 211.92 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 180.64 Mbit/s
95th percentile per-packet one-way delay: 1.224 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 114.97 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.17%

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

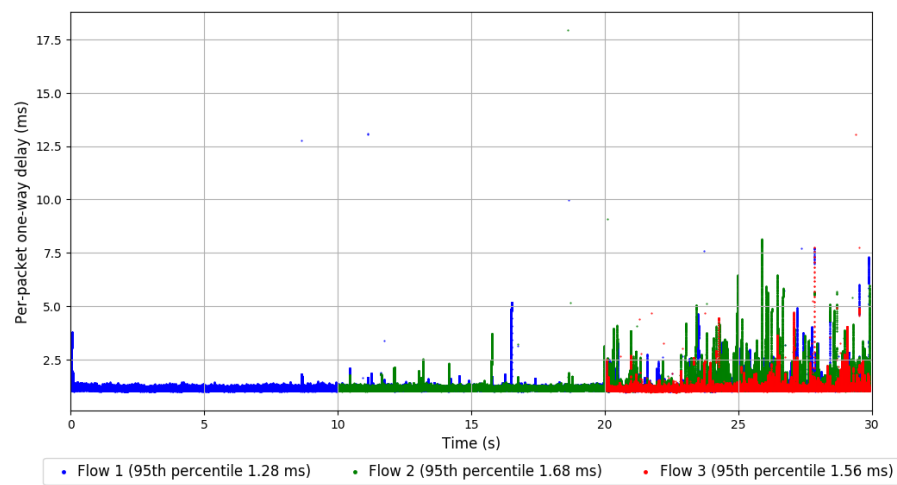
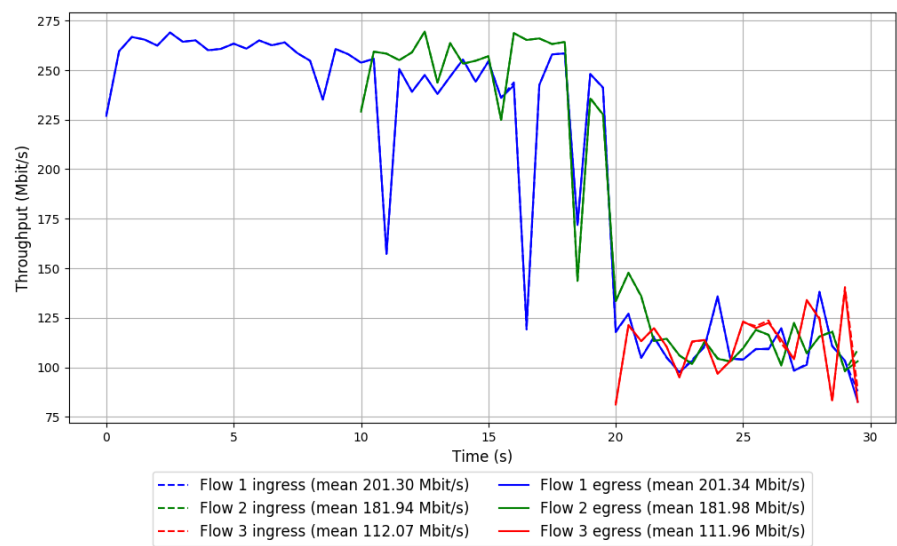


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-27 17:53:13
End at: 2018-03-27 17:53:43
Local clock offset: 1.567 ms
Remote clock offset: -4.909 ms

Below is generated by plot.py at 2018-03-28 01:17:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.48 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 201.34 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 1.676 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 111.96 Mbit/s
95th percentile per-packet one-way delay: 1.556 ms
Loss rate: 0.36%

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

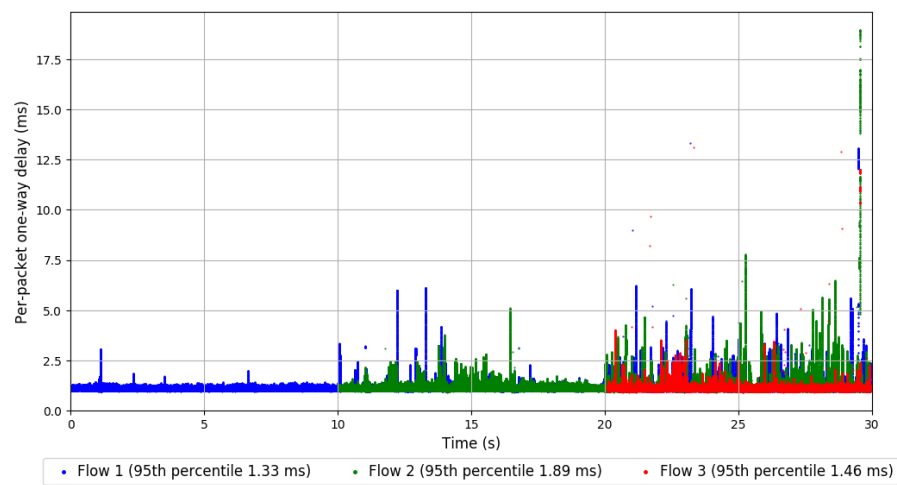
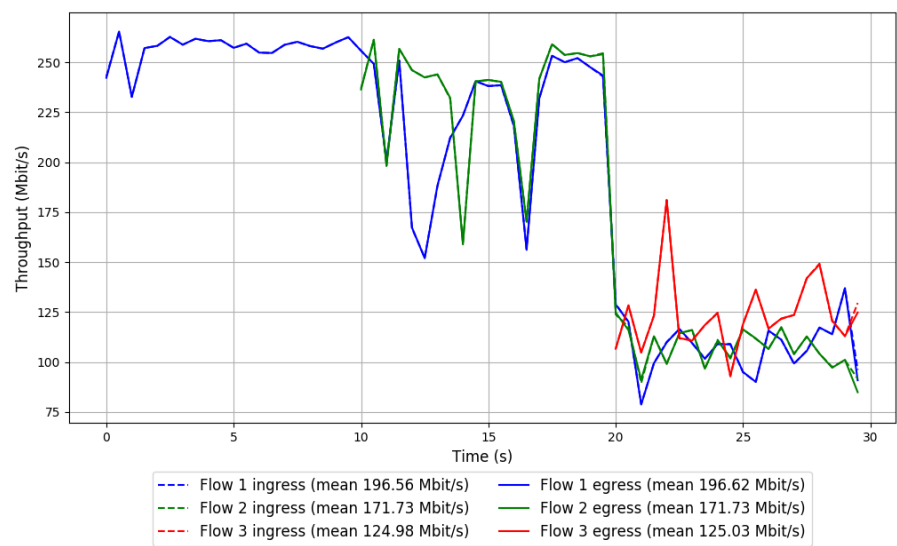


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-27 18:22:10
End at: 2018-03-27 18:22:40
Local clock offset: 1.154 ms
Remote clock offset: -5.888 ms

Below is generated by plot.py at 2018-03-28 01:23:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.18 Mbit/s
95th percentile per-packet one-way delay: 1.547 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 196.62 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 171.73 Mbit/s
95th percentile per-packet one-way delay: 1.892 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 125.03 Mbit/s
95th percentile per-packet one-way delay: 1.458 ms
Loss rate: 0.20%

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

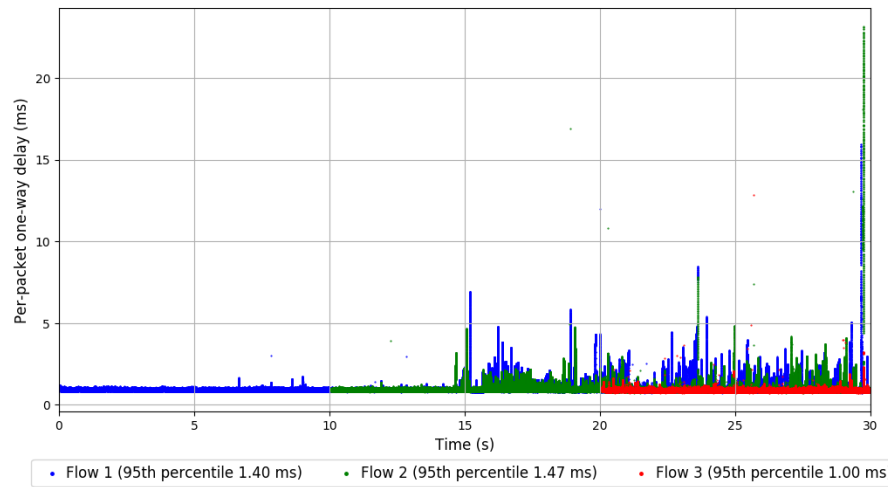
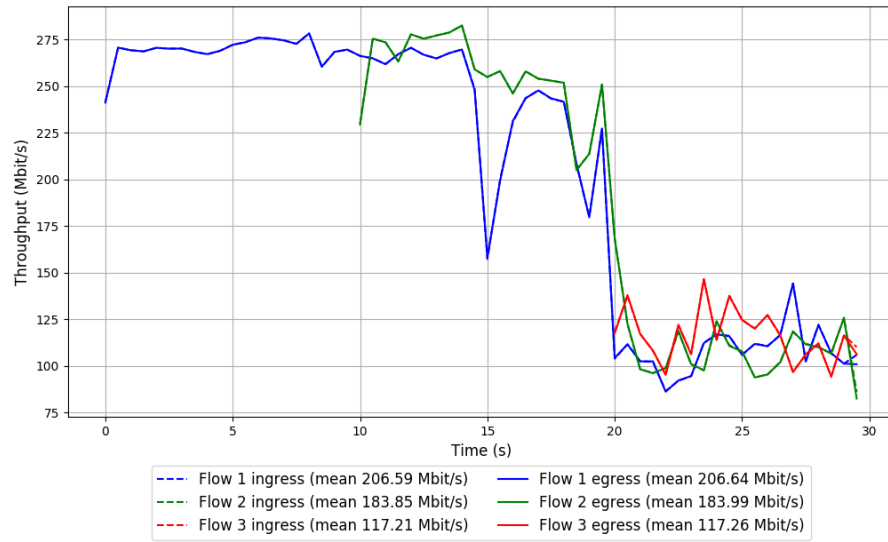


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-27 18:51:02
End at: 2018-03-27 18:51:32
Local clock offset: 9.242 ms
Remote clock offset: -5.921 ms

Below is generated by plot.py at 2018-03-28 01:24:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.75 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 206.64 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 183.99 Mbit/s
95th percentile per-packet one-way delay: 1.467 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 117.26 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.17%

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

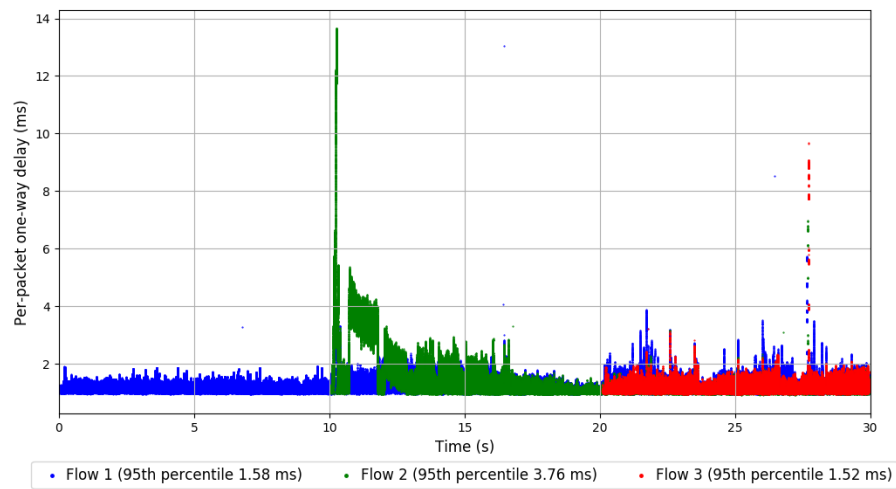
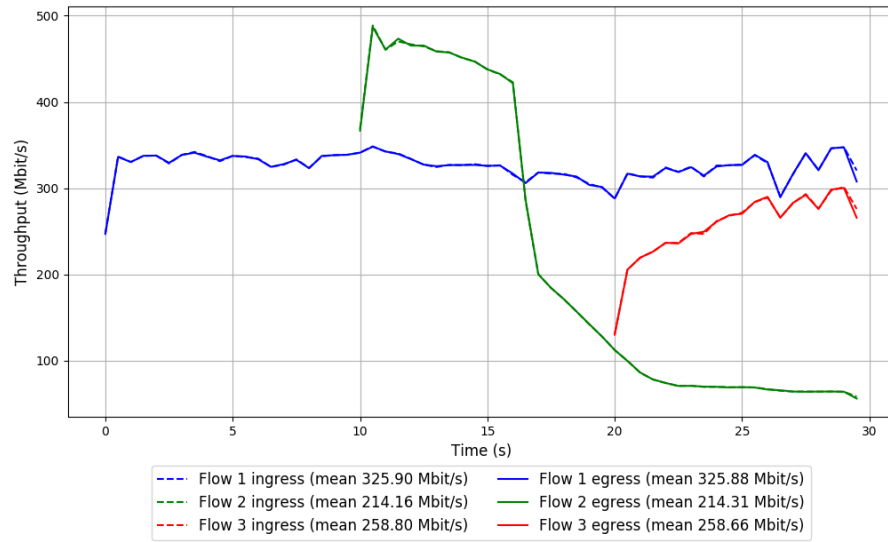


Run 1: Statistics of TCP Vegas

Start at: 2018-03-27 14:17:39
End at: 2018-03-27 14:18:09
Local clock offset: 4.769 ms
Remote clock offset: -5.241 ms

Below is generated by plot.py at 2018-03-28 01:24:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 553.84 Mbit/s
95th percentile per-packet one-way delay: 2.101 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 325.88 Mbit/s
95th percentile per-packet one-way delay: 1.578 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 214.31 Mbit/s
95th percentile per-packet one-way delay: 3.758 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 258.66 Mbit/s
95th percentile per-packet one-way delay: 1.520 ms
Loss rate: 0.22%

Run 1: Report of TCP Vegas — Data Link

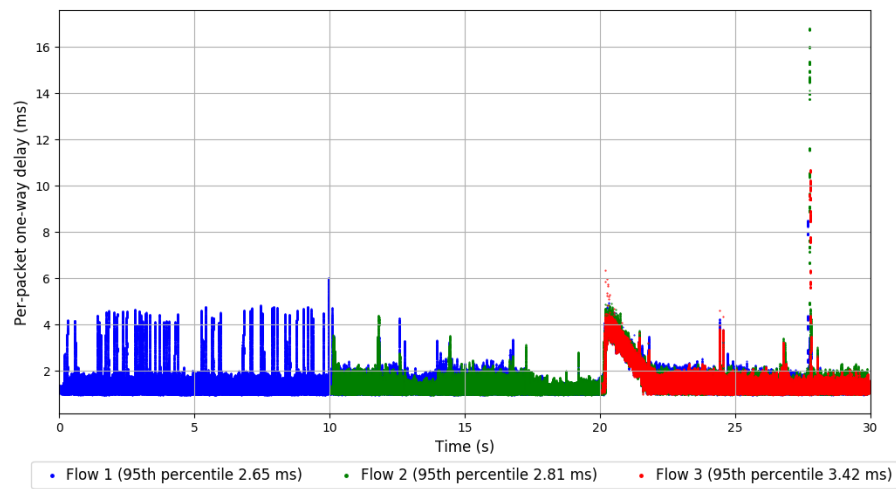
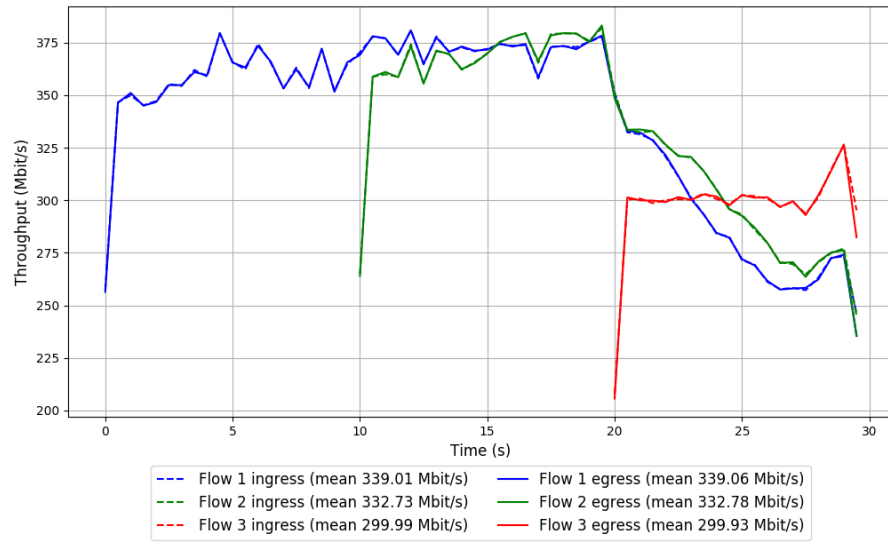


Run 2: Statistics of TCP Vegas

Start at: 2018-03-27 14:46:31
End at: 2018-03-27 14:47:01
Local clock offset: 4.884 ms
Remote clock offset: -4.678 ms

Below is generated by plot.py at 2018-03-28 01:24:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 659.58 Mbit/s
95th percentile per-packet one-way delay: 2.884 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 339.06 Mbit/s
95th percentile per-packet one-way delay: 2.647 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 332.78 Mbit/s
95th percentile per-packet one-way delay: 2.805 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 299.93 Mbit/s
95th percentile per-packet one-way delay: 3.419 ms
Loss rate: 0.22%

Run 2: Report of TCP Vegas — Data Link

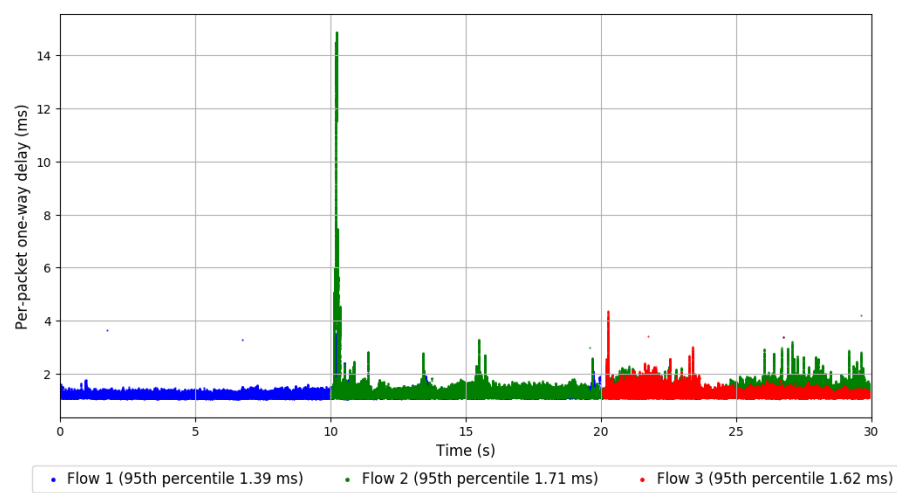
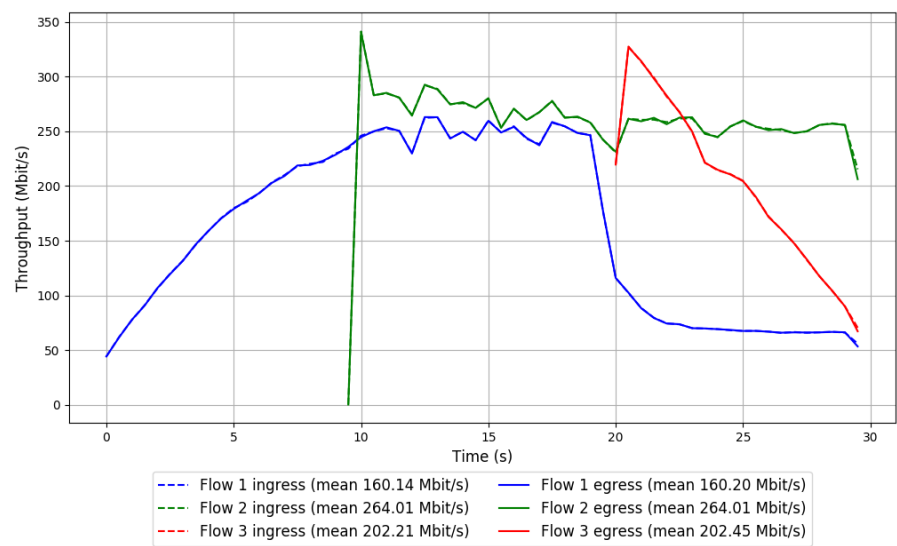


Run 3: Statistics of TCP Vegas

Start at: 2018-03-27 15:15:25
End at: 2018-03-27 15:15:55
Local clock offset: -0.584 ms
Remote clock offset: -4.137 ms

Below is generated by plot.py at 2018-03-28 01:24:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 402.84 Mbit/s
95th percentile per-packet one-way delay: 1.603 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 160.20 Mbit/s
95th percentile per-packet one-way delay: 1.394 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 264.01 Mbit/s
95th percentile per-packet one-way delay: 1.705 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 202.45 Mbit/s
95th percentile per-packet one-way delay: 1.623 ms
Loss rate: 0.08%

Run 3: Report of TCP Vegas — Data Link

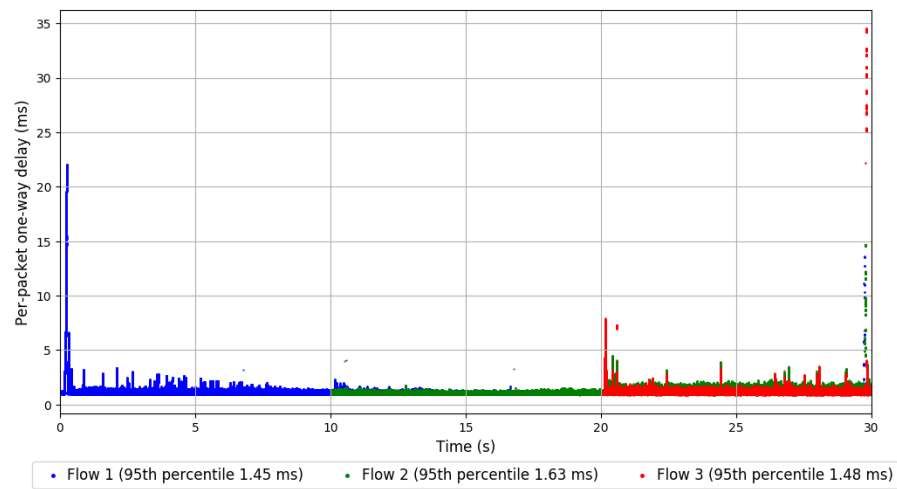
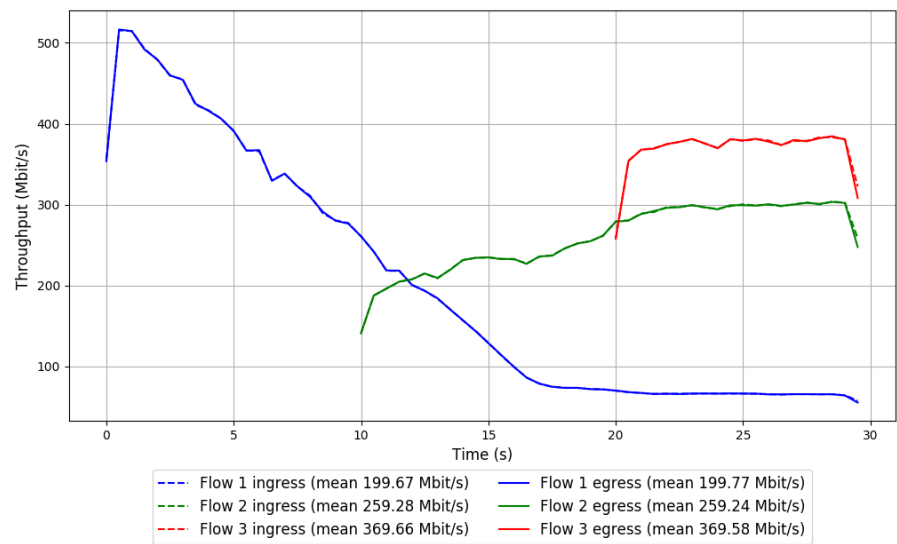


Run 4: Statistics of TCP Vegas

Start at: 2018-03-27 15:44:04
End at: 2018-03-27 15:44:34
Local clock offset: -0.713 ms
Remote clock offset: -4.927 ms

Below is generated by plot.py at 2018-03-28 01:24:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 494.81 Mbit/s
95th percentile per-packet one-way delay: 1.553 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 199.77 Mbit/s
95th percentile per-packet one-way delay: 1.449 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 259.24 Mbit/s
95th percentile per-packet one-way delay: 1.630 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 369.58 Mbit/s
95th percentile per-packet one-way delay: 1.482 ms
Loss rate: 0.21%

Run 4: Report of TCP Vegas — Data Link

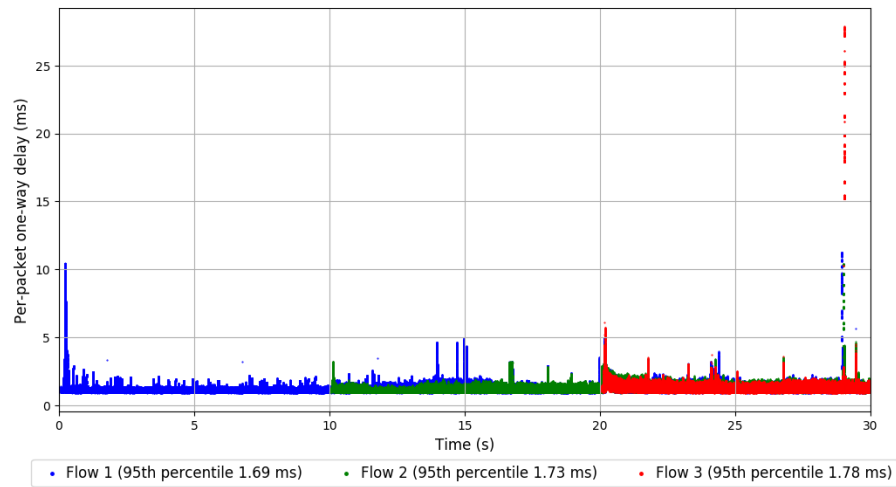
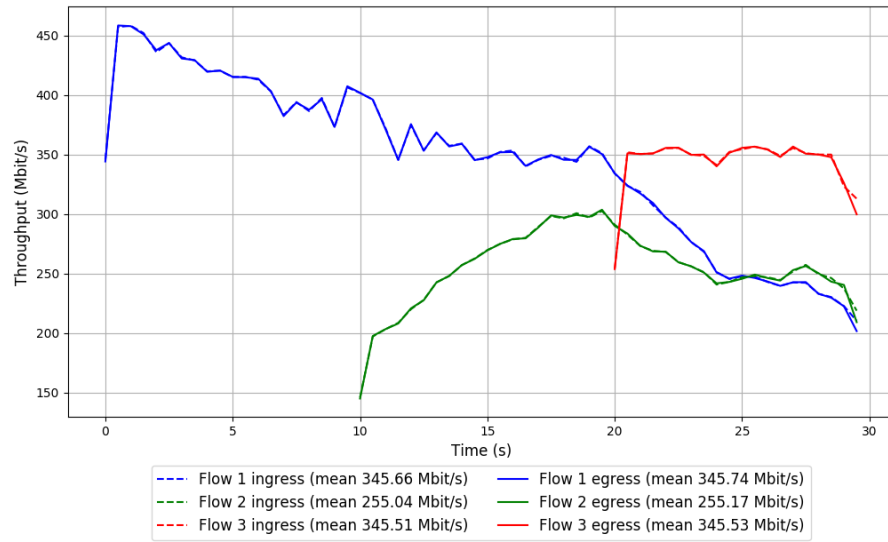


Run 5: Statistics of TCP Vegas

Start at: 2018-03-27 16:12:54
End at: 2018-03-27 16:13:24
Local clock offset: -0.357 ms
Remote clock offset: -6.035 ms

Below is generated by plot.py at 2018-03-28 01:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 630.05 Mbit/s
95th percentile per-packet one-way delay: 1.720 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 345.74 Mbit/s
95th percentile per-packet one-way delay: 1.687 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 255.17 Mbit/s
95th percentile per-packet one-way delay: 1.733 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 345.53 Mbit/s
95th percentile per-packet one-way delay: 1.784 ms
Loss rate: 0.19%

Run 5: Report of TCP Vegas — Data Link

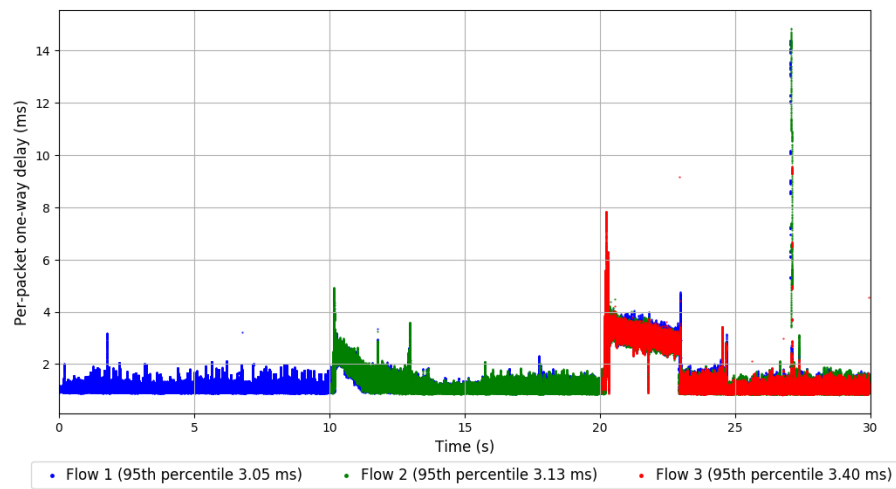
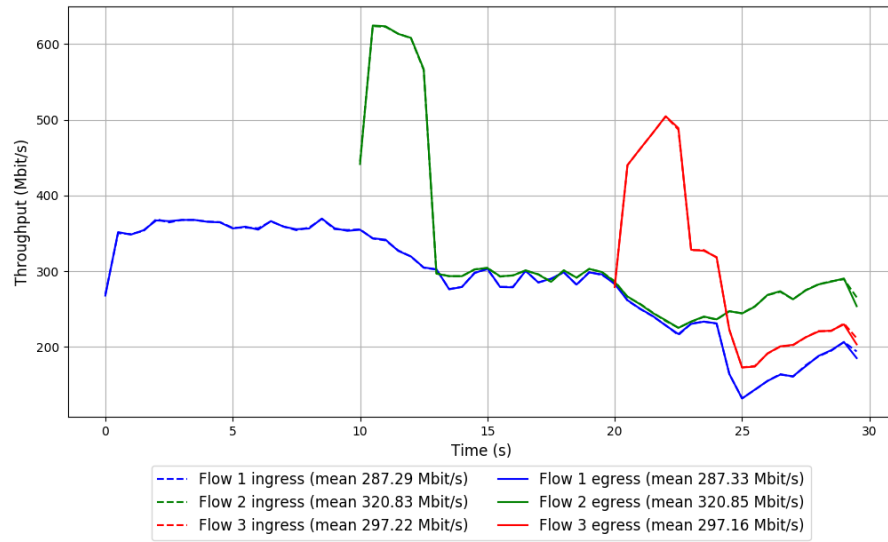


Run 6: Statistics of TCP Vegas

Start at: 2018-03-27 16:42:00
End at: 2018-03-27 16:42:30
Local clock offset: -0.8 ms
Remote clock offset: -4.705 ms

Below is generated by plot.py at 2018-03-28 01:25:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 599.10 Mbit/s
95th percentile per-packet one-way delay: 3.219 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 287.33 Mbit/s
95th percentile per-packet one-way delay: 3.048 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 320.85 Mbit/s
95th percentile per-packet one-way delay: 3.132 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 297.16 Mbit/s
95th percentile per-packet one-way delay: 3.402 ms
Loss rate: 0.16%

Run 6: Report of TCP Vegas — Data Link

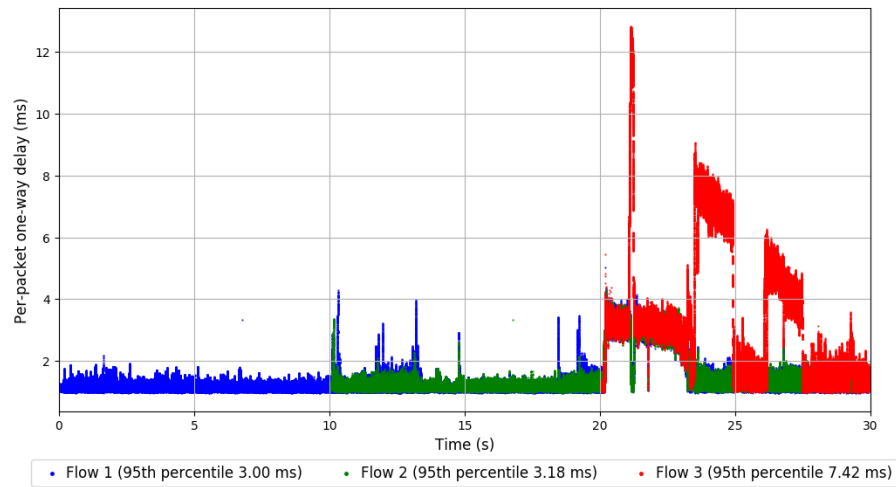
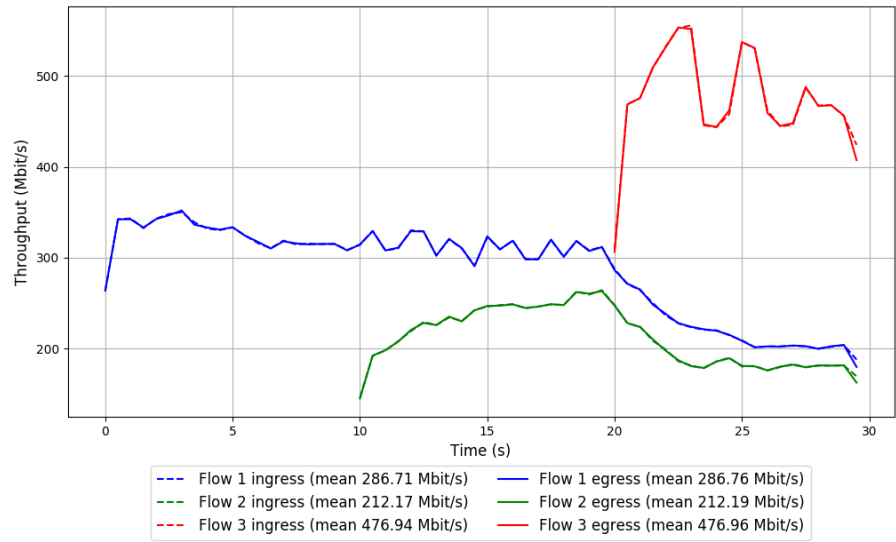


Run 7: Statistics of TCP Vegas

Start at: 2018-03-27 17:10:55
End at: 2018-03-27 17:11:25
Local clock offset: 0.101 ms
Remote clock offset: -5.622 ms

Below is generated by plot.py at 2018-03-28 01:29:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 585.88 Mbit/s
95th percentile per-packet one-way delay: 4.870 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 286.76 Mbit/s
95th percentile per-packet one-way delay: 3.003 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 212.19 Mbit/s
95th percentile per-packet one-way delay: 3.180 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 476.96 Mbit/s
95th percentile per-packet one-way delay: 7.415 ms
Loss rate: 0.19%

Run 7: Report of TCP Vegas — Data Link

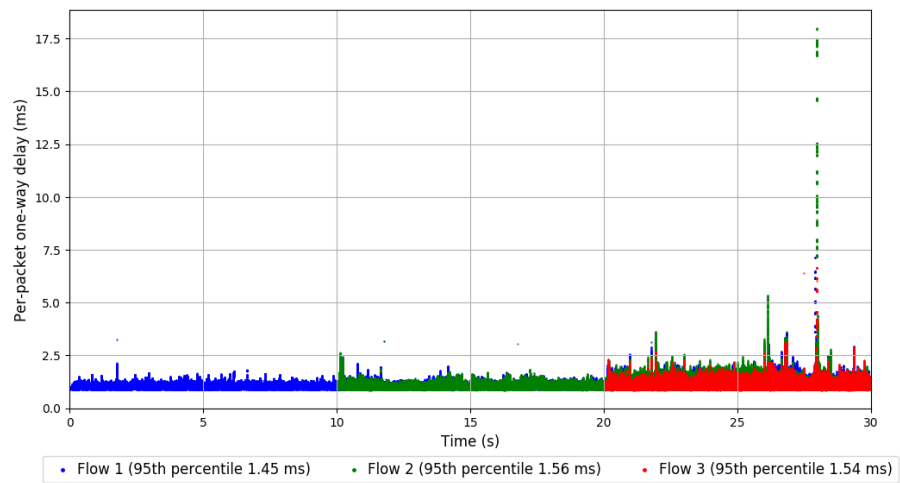
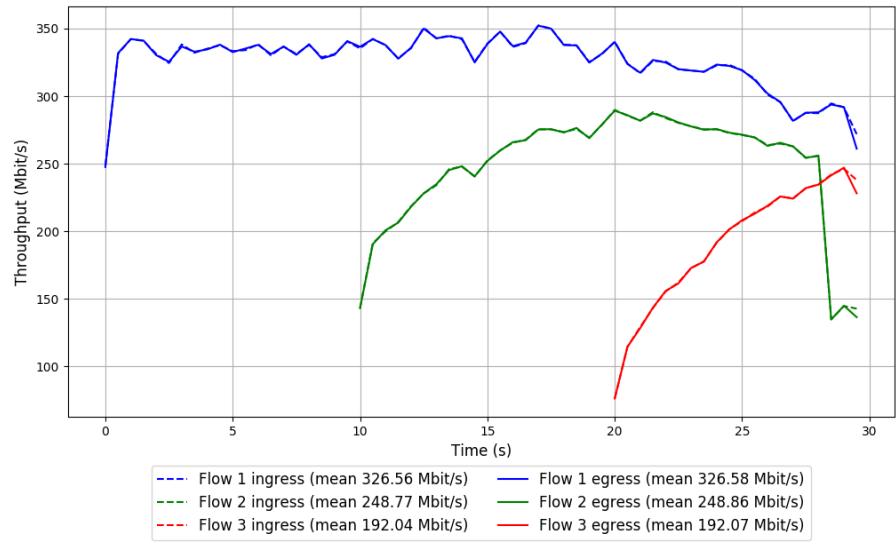


Run 8: Statistics of TCP Vegas

Start at: 2018-03-27 17:39:56
End at: 2018-03-27 17:40:26
Local clock offset: 1.545 ms
Remote clock offset: -5.168 ms

Below is generated by plot.py at 2018-03-28 01:30:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 555.68 Mbit/s
95th percentile per-packet one-way delay: 1.494 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 326.58 Mbit/s
95th percentile per-packet one-way delay: 1.445 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 248.86 Mbit/s
95th percentile per-packet one-way delay: 1.556 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 192.07 Mbit/s
95th percentile per-packet one-way delay: 1.538 ms
Loss rate: 0.26%

Run 8: Report of TCP Vegas — Data Link

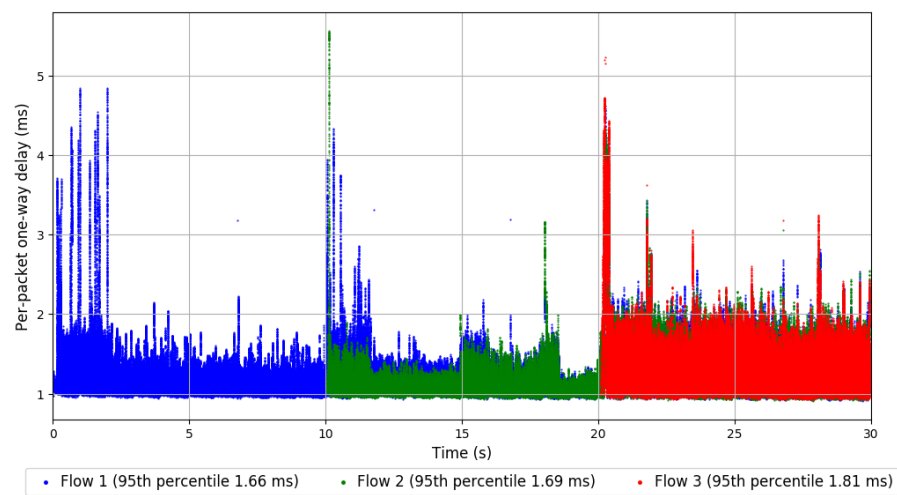
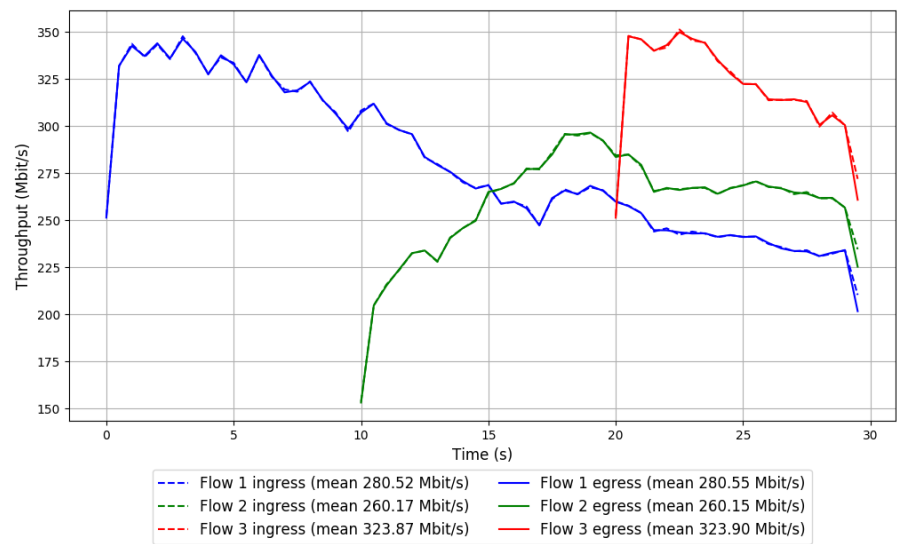


Run 9: Statistics of TCP Vegas

Start at: 2018-03-27 18:08:54
End at: 2018-03-27 18:09:24
Local clock offset: 1.156 ms
Remote clock offset: -5.262 ms

```
# Below is generated by plot.py at 2018-03-28 01:31:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 560.63 Mbit/s
95th percentile per-packet one-way delay: 1.700 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 280.55 Mbit/s
95th percentile per-packet one-way delay: 1.655 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 260.15 Mbit/s
95th percentile per-packet one-way delay: 1.686 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 323.90 Mbit/s
95th percentile per-packet one-way delay: 1.810 ms
Loss rate: 0.19%
```

Run 9: Report of TCP Vegas — Data Link

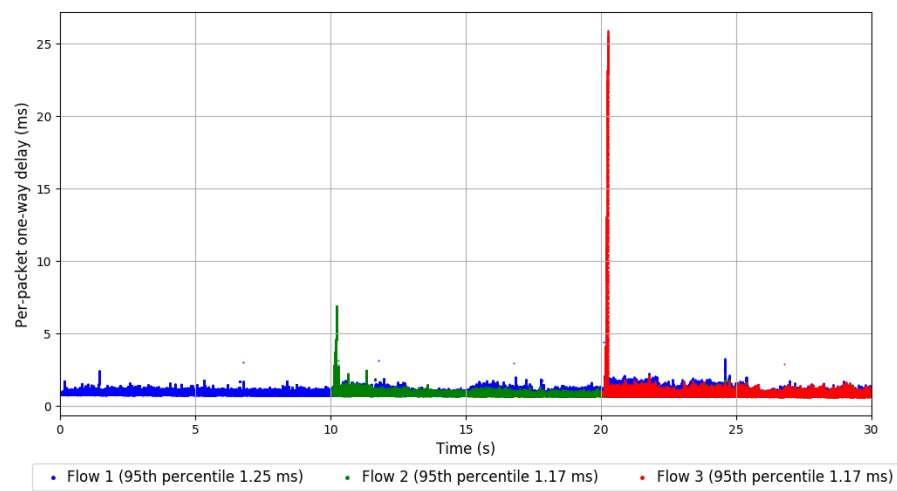
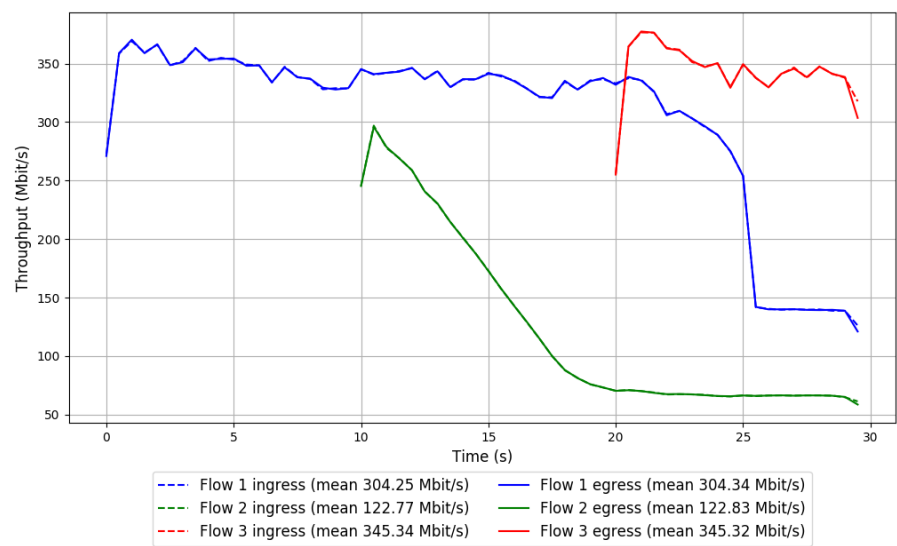


Run 10: Statistics of TCP Vegas

Start at: 2018-03-27 18:37:53
End at: 2018-03-27 18:38:23
Local clock offset: 7.029 ms
Remote clock offset: -6.024 ms

Below is generated by plot.py at 2018-03-28 01:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 500.47 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 304.34 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 122.83 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 345.32 Mbit/s
95th percentile per-packet one-way delay: 1.174 ms
Loss rate: 0.21%

Run 10: Report of TCP Vegas — Data Link

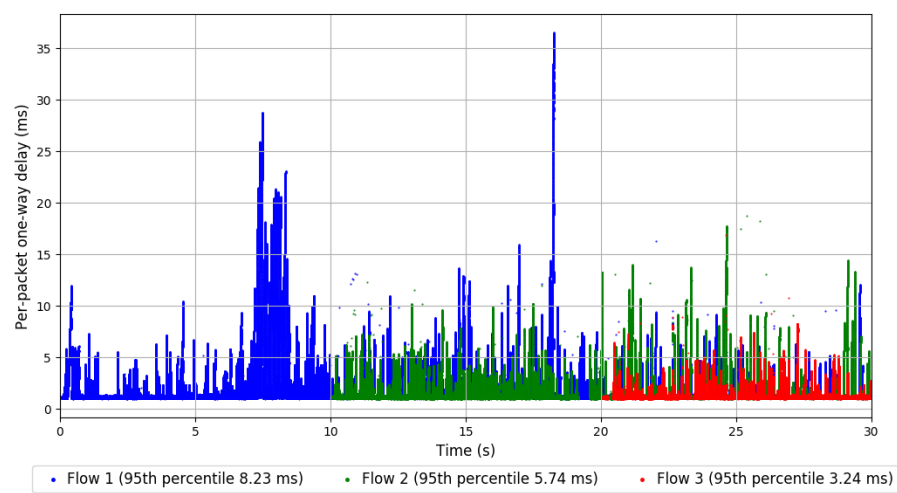
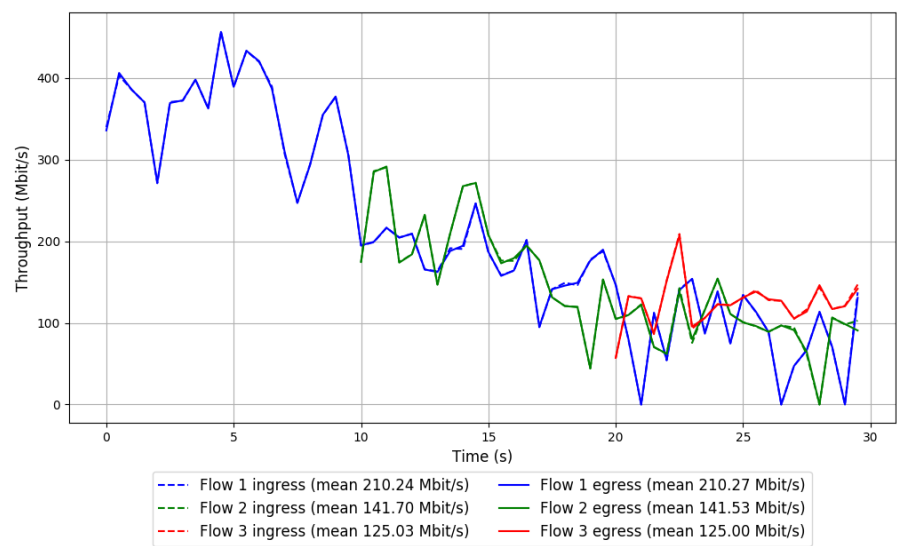


Run 1: Statistics of Verus

Start at: 2018-03-27 14:32:28
End at: 2018-03-27 14:32:58
Local clock offset: 4.845 ms
Remote clock offset: -5.003 ms

Below is generated by plot.py at 2018-03-28 01:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.92 Mbit/s
95th percentile per-packet one-way delay: 6.806 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 210.27 Mbit/s
95th percentile per-packet one-way delay: 8.226 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 141.53 Mbit/s
95th percentile per-packet one-way delay: 5.742 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 125.00 Mbit/s
95th percentile per-packet one-way delay: 3.236 ms
Loss rate: 0.23%

Run 1: Report of Verus — Data Link

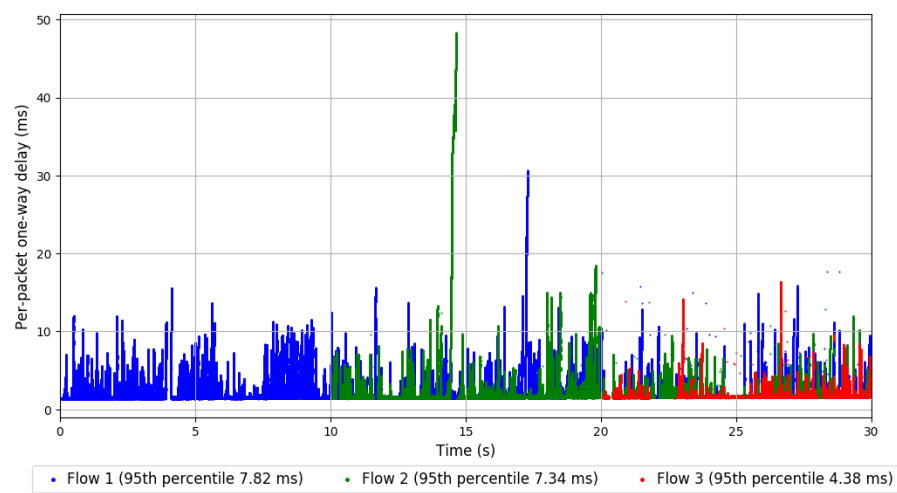
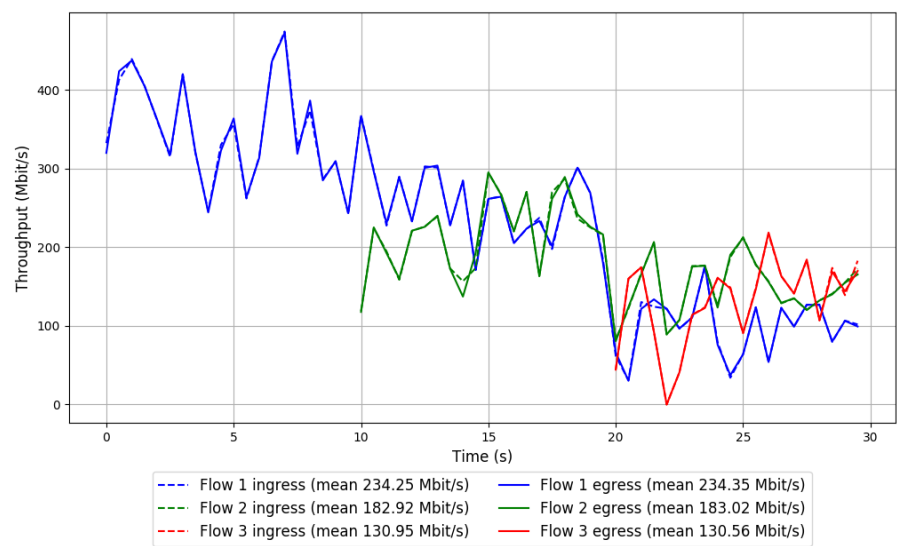


Run 2: Statistics of Verus

Start at: 2018-03-27 15:01:31
End at: 2018-03-27 15:02:01
Local clock offset: 3.977 ms
Remote clock offset: -4.256 ms

Below is generated by plot.py at 2018-03-28 01:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 399.38 Mbit/s
95th percentile per-packet one-way delay: 7.512 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 234.35 Mbit/s
95th percentile per-packet one-way delay: 7.822 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 183.02 Mbit/s
95th percentile per-packet one-way delay: 7.341 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 130.56 Mbit/s
95th percentile per-packet one-way delay: 4.385 ms
Loss rate: 0.50%

Run 2: Report of Verus — Data Link

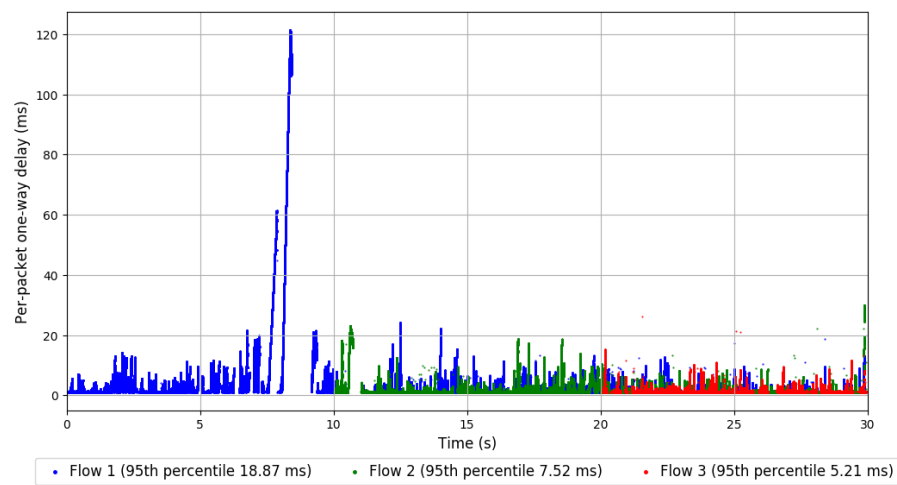
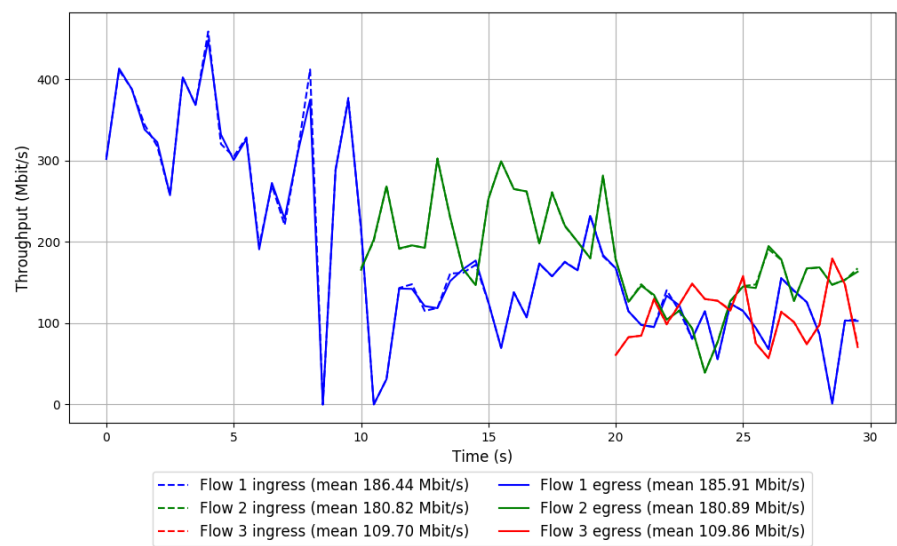


Run 3: Statistics of Verus

Start at: 2018-03-27 15:30:10
End at: 2018-03-27 15:30:40
Local clock offset: -2.604 ms
Remote clock offset: -4.904 ms

Below is generated by plot.py at 2018-03-28 01:31:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.73 Mbit/s
95th percentile per-packet one-way delay: 13.042 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 185.91 Mbit/s
95th percentile per-packet one-way delay: 18.866 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 180.89 Mbit/s
95th percentile per-packet one-way delay: 7.522 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 109.86 Mbit/s
95th percentile per-packet one-way delay: 5.214 ms
Loss rate: 0.13%

Run 3: Report of Verus — Data Link

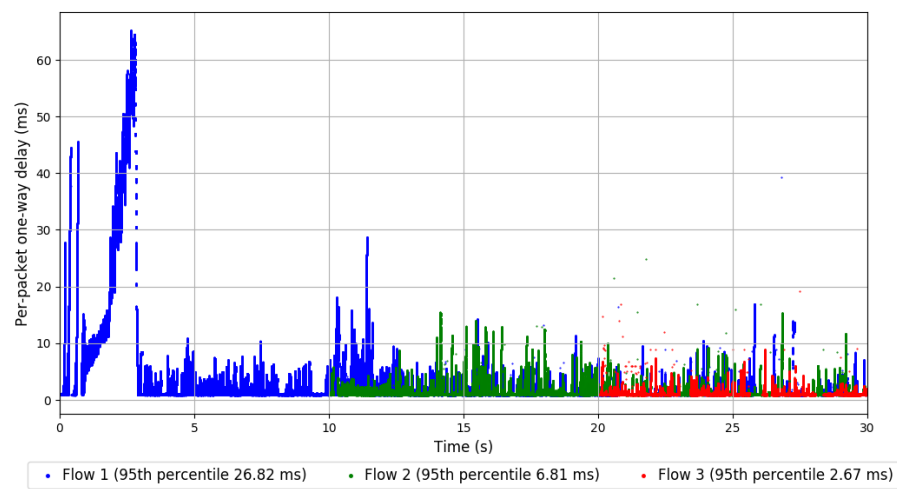
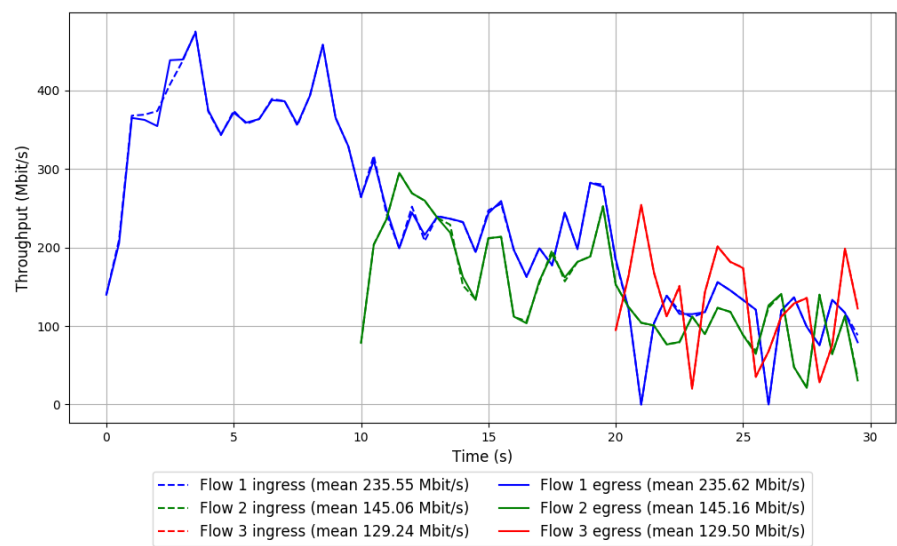


Run 4: Statistics of Verus

Start at: 2018-03-27 15:58:57
End at: 2018-03-27 15:59:27
Local clock offset: -0.409 ms
Remote clock offset: -5.663 ms

Below is generated by plot.py at 2018-03-28 01:31:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.12 Mbit/s
95th percentile per-packet one-way delay: 12.825 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 235.62 Mbit/s
95th percentile per-packet one-way delay: 26.819 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 145.16 Mbit/s
95th percentile per-packet one-way delay: 6.812 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 129.50 Mbit/s
95th percentile per-packet one-way delay: 2.668 ms
Loss rate: 0.08%

Run 4: Report of Verus — Data Link

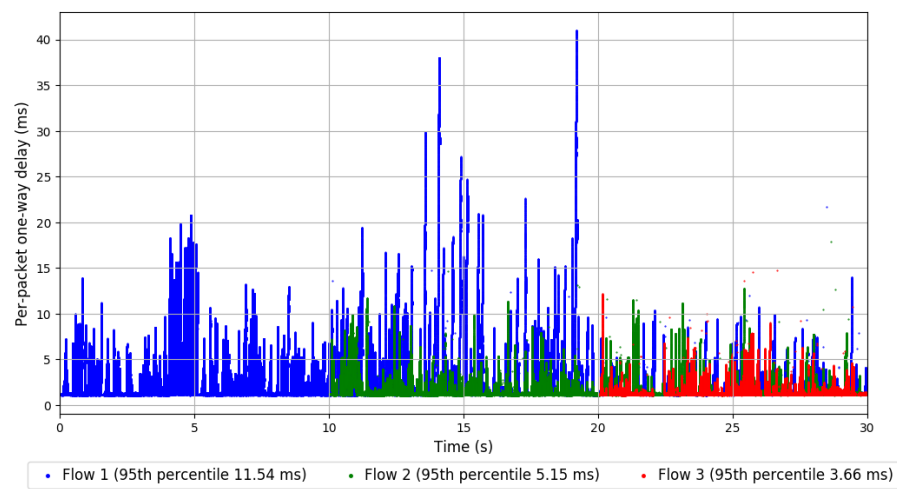
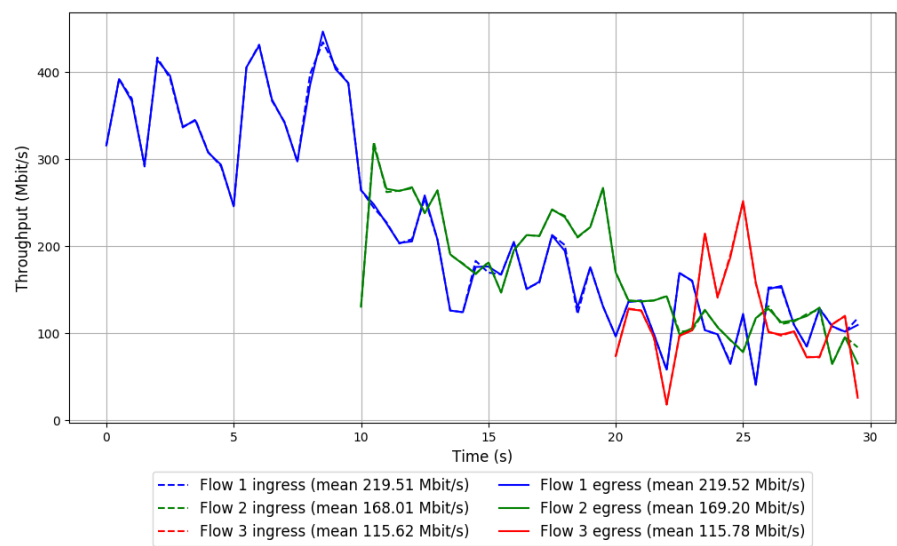


Run 5: Statistics of Verus

Start at: 2018-03-27 16:27:56
End at: 2018-03-27 16:28:26
Local clock offset: -0.411 ms
Remote clock offset: -5.469 ms

Below is generated by plot.py at 2018-03-28 01:34:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.52 Mbit/s
95th percentile per-packet one-way delay: 8.963 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 219.52 Mbit/s
95th percentile per-packet one-way delay: 11.541 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 169.20 Mbit/s
95th percentile per-packet one-way delay: 5.146 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 115.78 Mbit/s
95th percentile per-packet one-way delay: 3.664 ms
Loss rate: 0.06%

Run 5: Report of Verus — Data Link

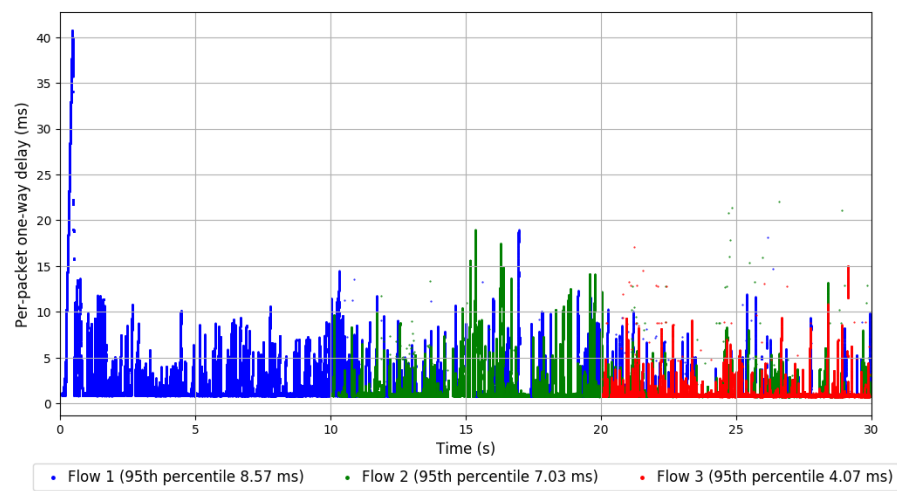
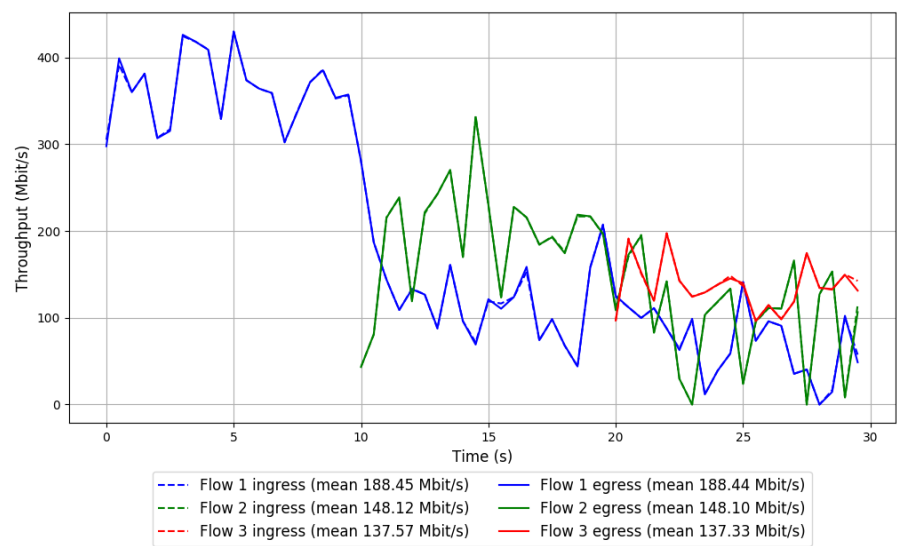


Run 6: Statistics of Verus

Start at: 2018-03-27 16:56:57
End at: 2018-03-27 16:57:27
Local clock offset: 0.004 ms
Remote clock offset: -4.315 ms

Below is generated by plot.py at 2018-03-28 01:34:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.55 Mbit/s
95th percentile per-packet one-way delay: 7.791 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 188.44 Mbit/s
95th percentile per-packet one-way delay: 8.567 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 148.10 Mbit/s
95th percentile per-packet one-way delay: 7.032 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 137.33 Mbit/s
95th percentile per-packet one-way delay: 4.068 ms
Loss rate: 0.43%

Run 6: Report of Verus — Data Link

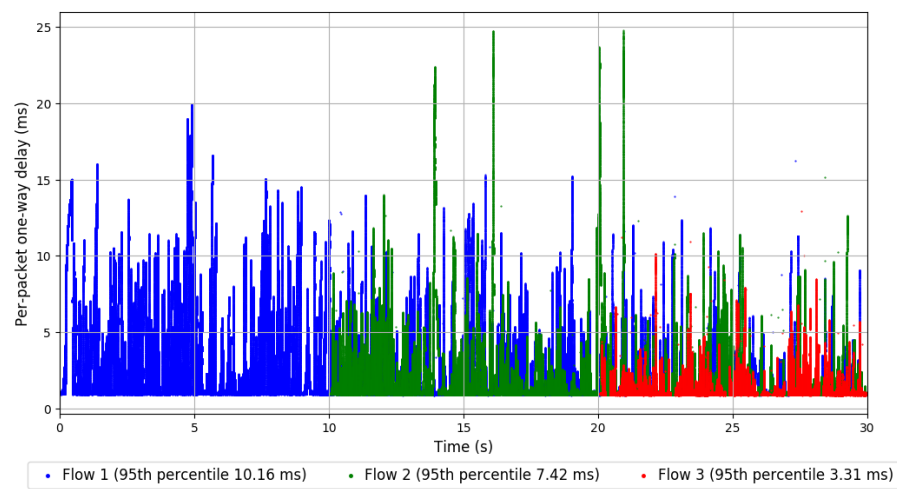
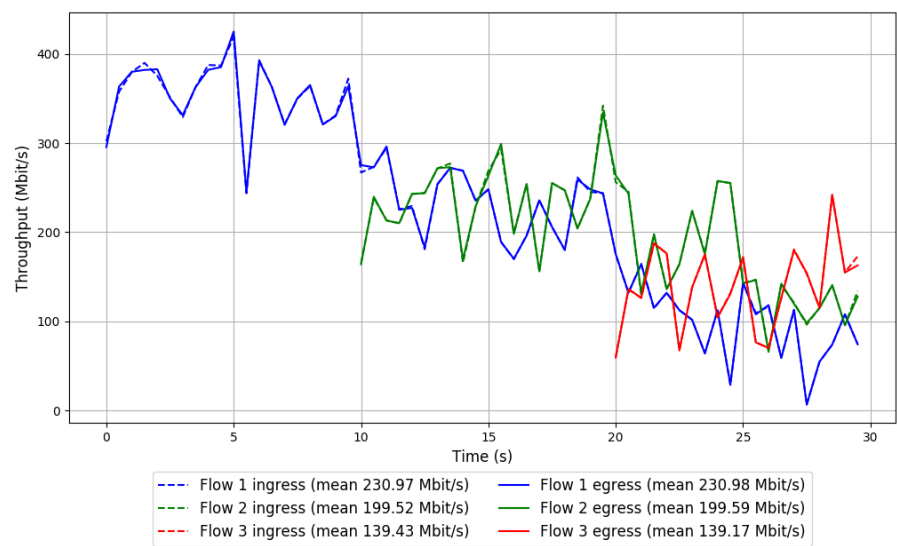


Run 7: Statistics of Verus

Start at: 2018-03-27 17:25:56
End at: 2018-03-27 17:26:26
Local clock offset: 1.04 ms
Remote clock offset: -5.697 ms

Below is generated by plot.py at 2018-03-28 01:35:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.96 Mbit/s
95th percentile per-packet one-way delay: 9.077 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 230.98 Mbit/s
95th percentile per-packet one-way delay: 10.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 199.59 Mbit/s
95th percentile per-packet one-way delay: 7.423 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 139.17 Mbit/s
95th percentile per-packet one-way delay: 3.310 ms
Loss rate: 0.39%

Run 7: Report of Verus — Data Link

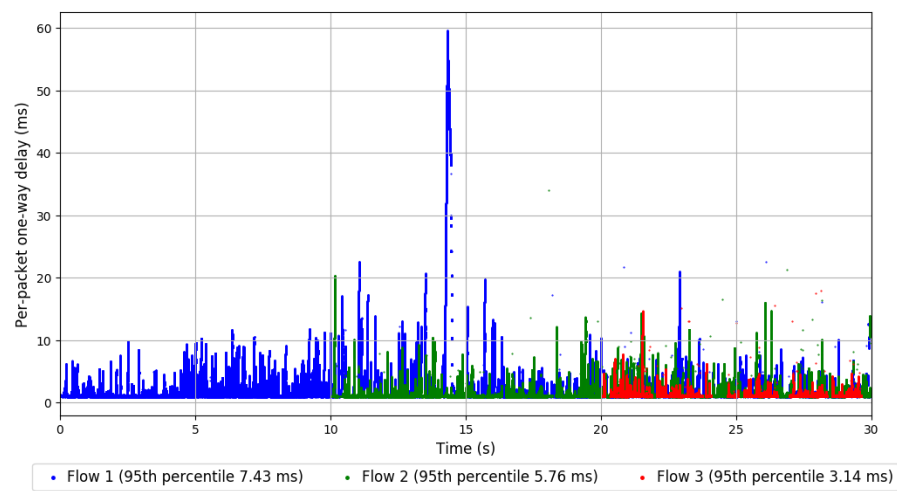
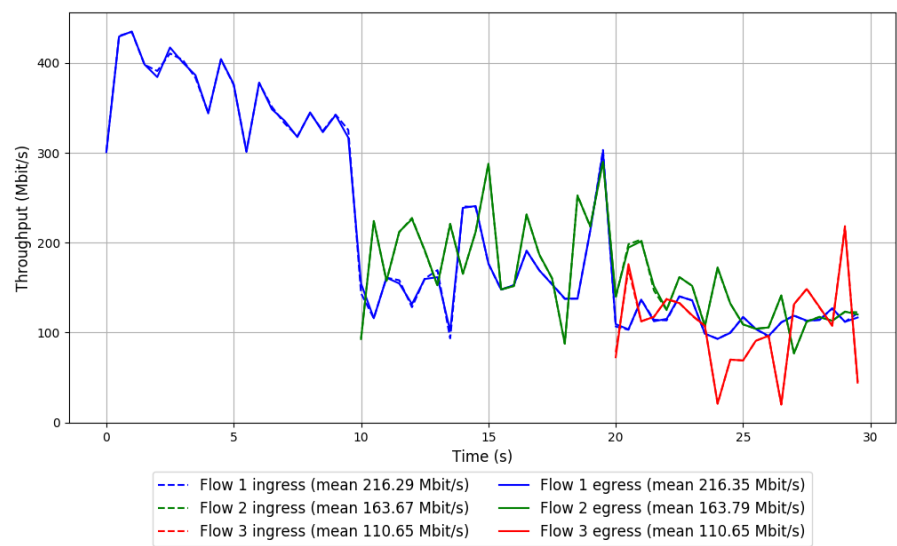


Run 8: Statistics of Verus

Start at: 2018-03-27 17:54:56
End at: 2018-03-27 17:55:26
Local clock offset: 1.384 ms
Remote clock offset: -4.836 ms

Below is generated by plot.py at 2018-03-28 01:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.77 Mbit/s
95th percentile per-packet one-way delay: 6.603 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 216.35 Mbit/s
95th percentile per-packet one-way delay: 7.435 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 163.79 Mbit/s
95th percentile per-packet one-way delay: 5.758 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 110.65 Mbit/s
95th percentile per-packet one-way delay: 3.137 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

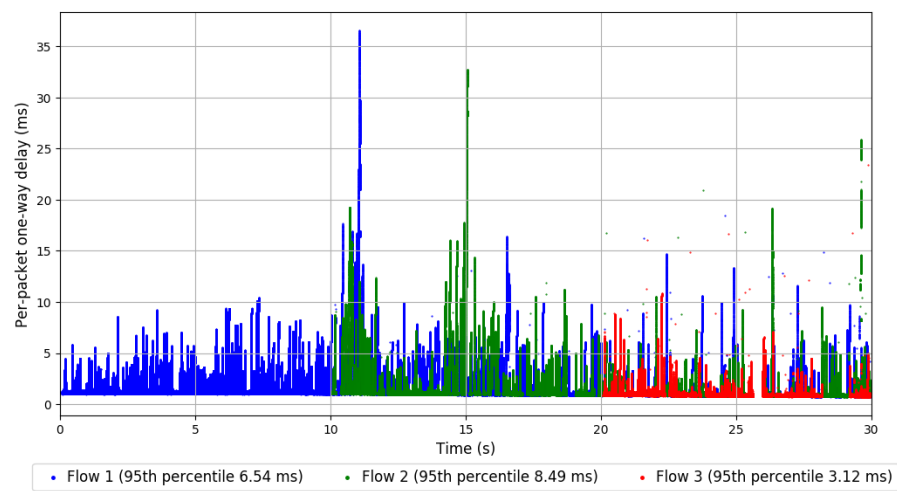
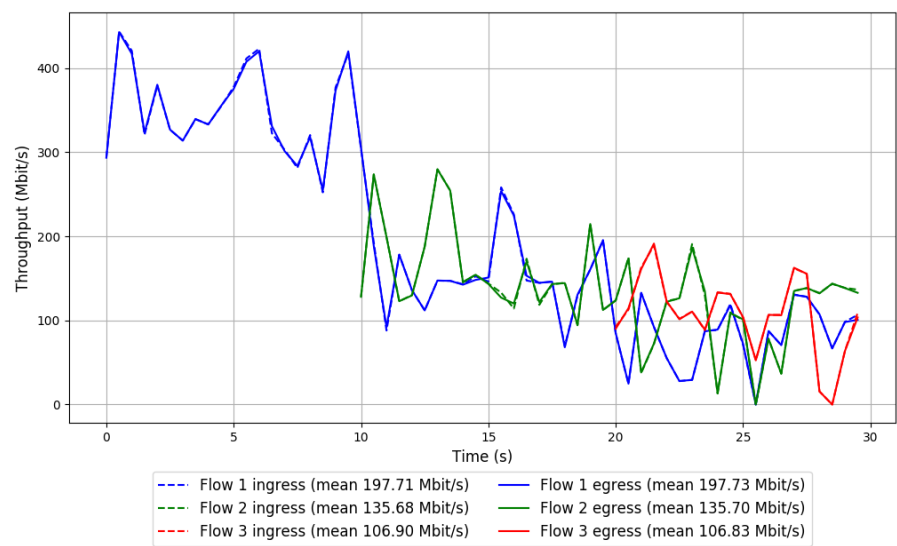


Run 9: Statistics of Verus

Start at: 2018-03-27 18:23:53
End at: 2018-03-27 18:24:23
Local clock offset: 1.131 ms
Remote clock offset: -5.965 ms

Below is generated by plot.py at 2018-03-28 01:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 323.33 Mbit/s
95th percentile per-packet one-way delay: 6.795 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 197.73 Mbit/s
95th percentile per-packet one-way delay: 6.540 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 135.70 Mbit/s
95th percentile per-packet one-way delay: 8.492 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 106.83 Mbit/s
95th percentile per-packet one-way delay: 3.123 ms
Loss rate: 0.27%

Run 9: Report of Verus — Data Link

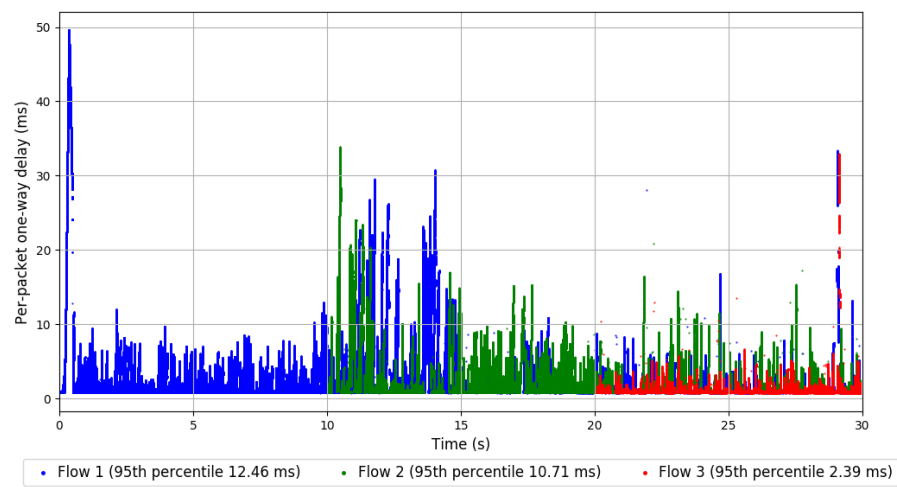
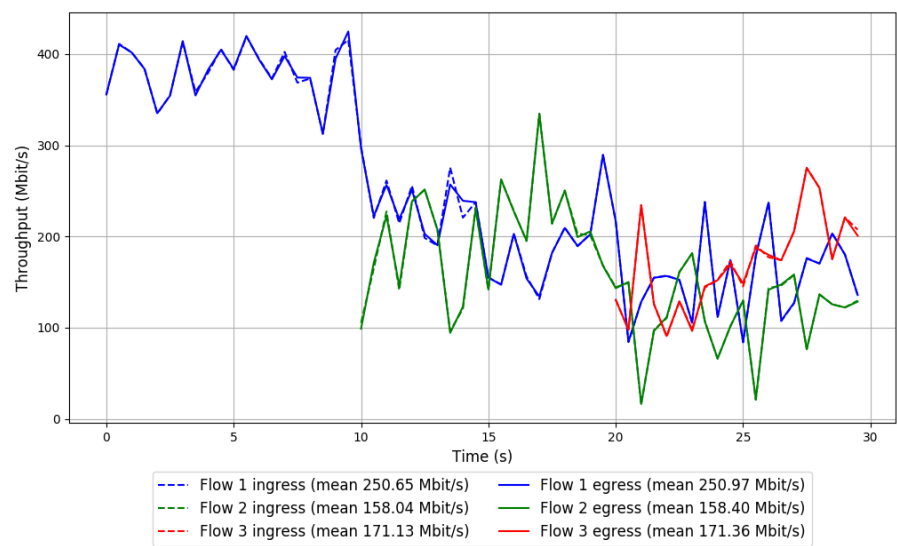


Run 10: Statistics of Verus

Start at: 2018-03-27 18:52:46
End at: 2018-03-27 18:53:16
Local clock offset: 9.372 ms
Remote clock offset: -5.922 ms

Below is generated by plot.py at 2018-03-28 01:36:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 412.85 Mbit/s
95th percentile per-packet one-way delay: 10.404 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 250.97 Mbit/s
95th percentile per-packet one-way delay: 12.456 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 158.40 Mbit/s
95th percentile per-packet one-way delay: 10.714 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 171.36 Mbit/s
95th percentile per-packet one-way delay: 2.392 ms
Loss rate: 0.21%

Run 10: Report of Verus — Data Link

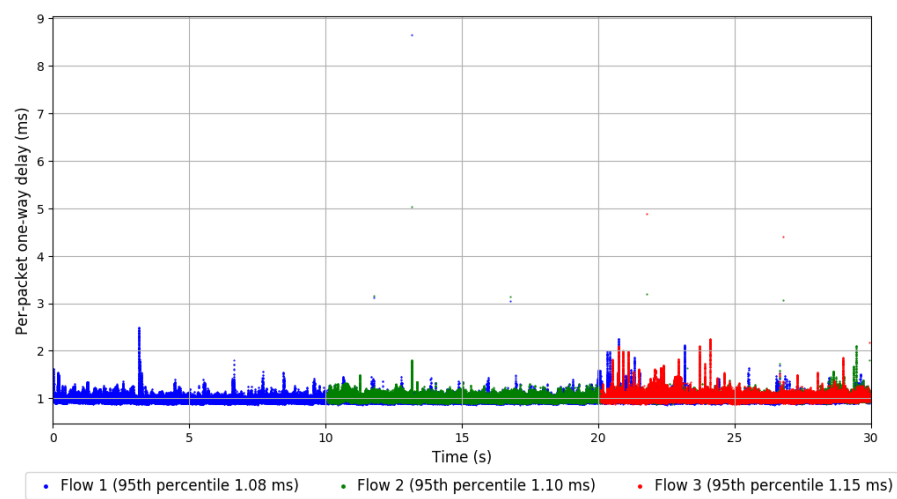
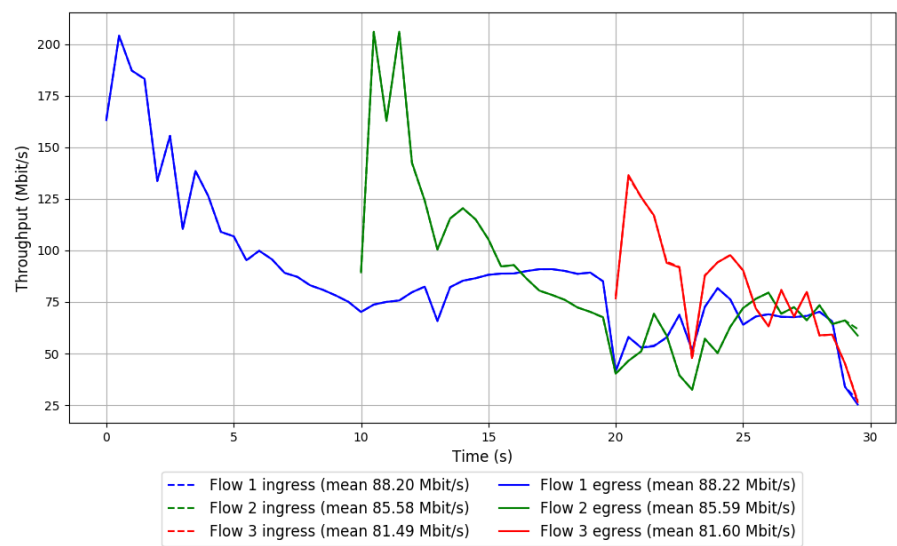


Run 1: Statistics of Copa

Start at: 2018-03-27 14:42:22
End at: 2018-03-27 14:42:52
Local clock offset: 4.76 ms
Remote clock offset: -4.795 ms

Below is generated by plot.py at 2018-03-28 01:36:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.10 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 88.22 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 85.59 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.05%

Run 1: Report of Copa — Data Link

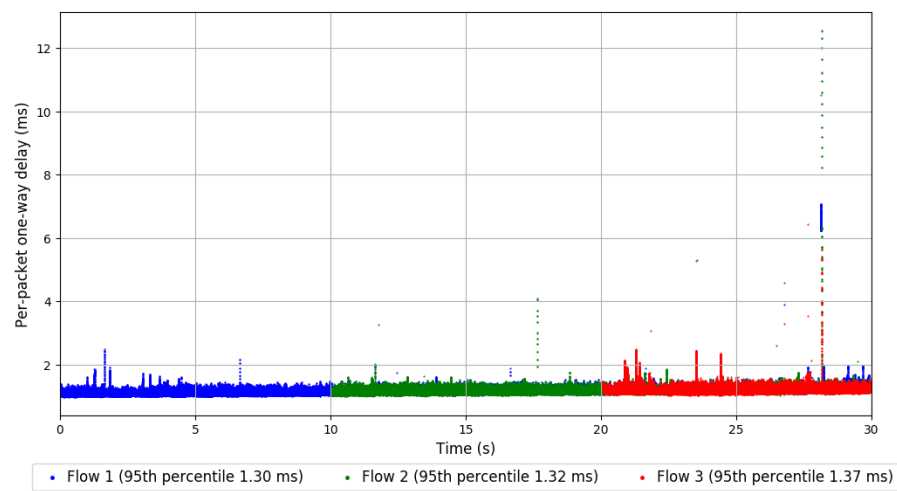
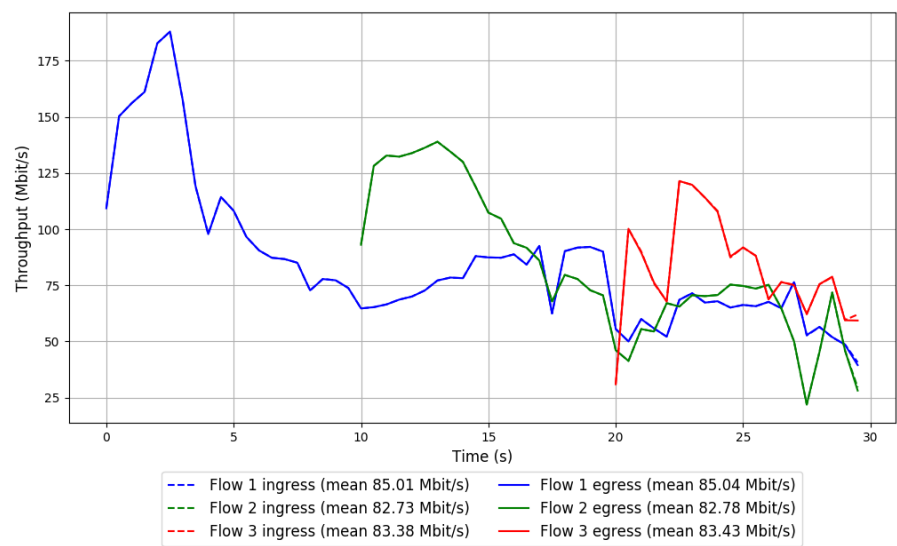


Run 2: Statistics of Copa

Start at: 2018-03-27 15:11:17
End at: 2018-03-27 15:11:47
Local clock offset: 0.216 ms
Remote clock offset: -3.925 ms

Below is generated by plot.py at 2018-03-28 01:36:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.71 Mbit/s
95th percentile per-packet one-way delay: 1.321 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 1.302 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 82.78 Mbit/s
95th percentile per-packet one-way delay: 1.316 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 1.369 ms
Loss rate: 0.17%

Run 2: Report of Copa — Data Link

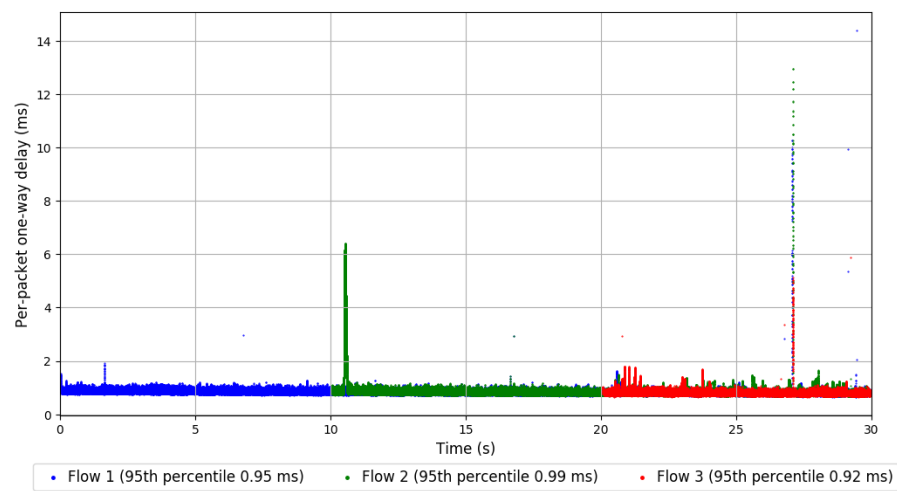
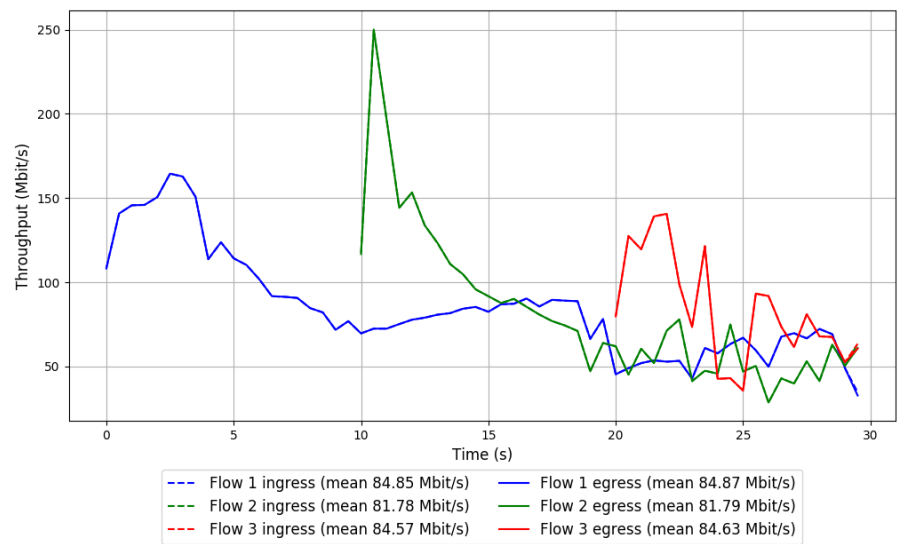


Run 3: Statistics of Copa

Start at: 2018-03-27 15:39:55
End at: 2018-03-27 15:40:25
Local clock offset: -1.406 ms
Remote clock offset: -4.935 ms

Below is generated by plot.py at 2018-03-28 01:38:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.17 Mbit/s
95th percentile per-packet one-way delay: 0.957 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.87 Mbit/s
95th percentile per-packet one-way delay: 0.950 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 81.79 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 84.63 Mbit/s
95th percentile per-packet one-way delay: 0.921 ms
Loss rate: 0.17%

Run 3: Report of Copa — Data Link

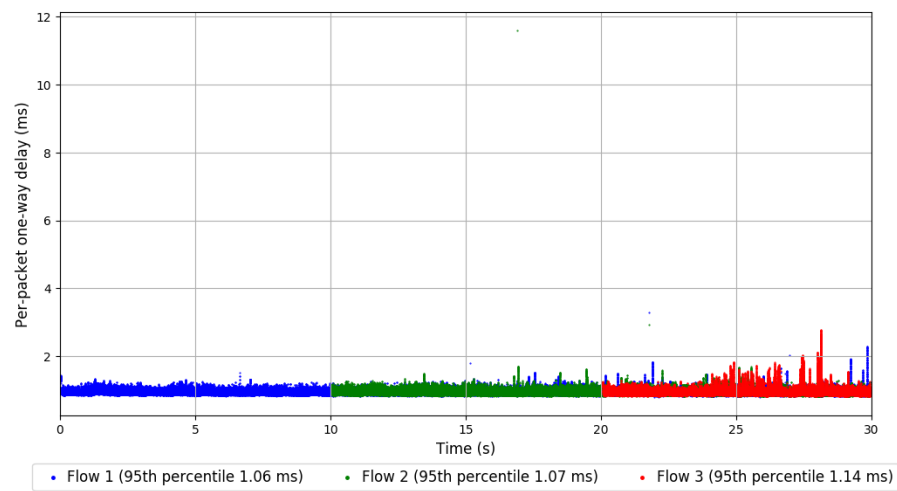
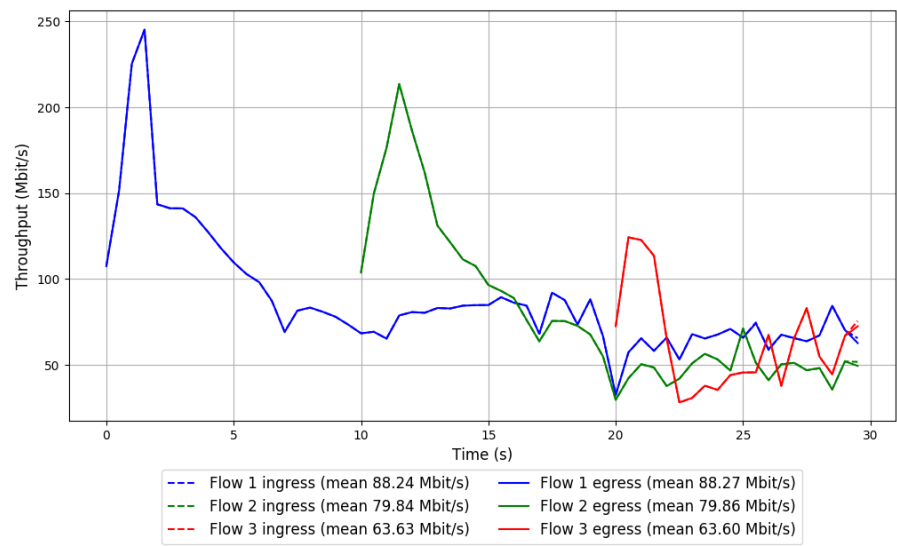


Run 4: Statistics of Copa

Start at: 2018-03-27 16:08:47
End at: 2018-03-27 16:09:17
Local clock offset: -0.542 ms
Remote clock offset: -5.964 ms

```
# Below is generated by plot.py at 2018-03-28 01:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 162.42 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 1.057 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 79.86 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 63.60 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.26%
```

Run 4: Report of Copa — Data Link

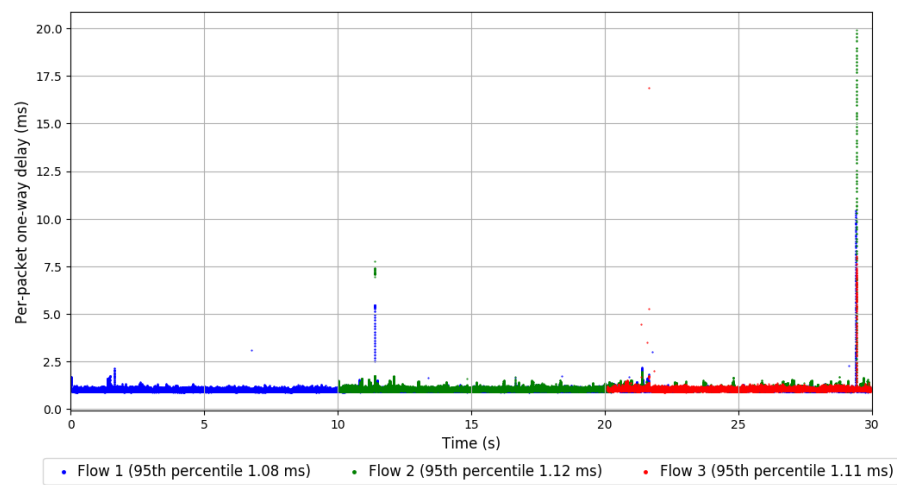
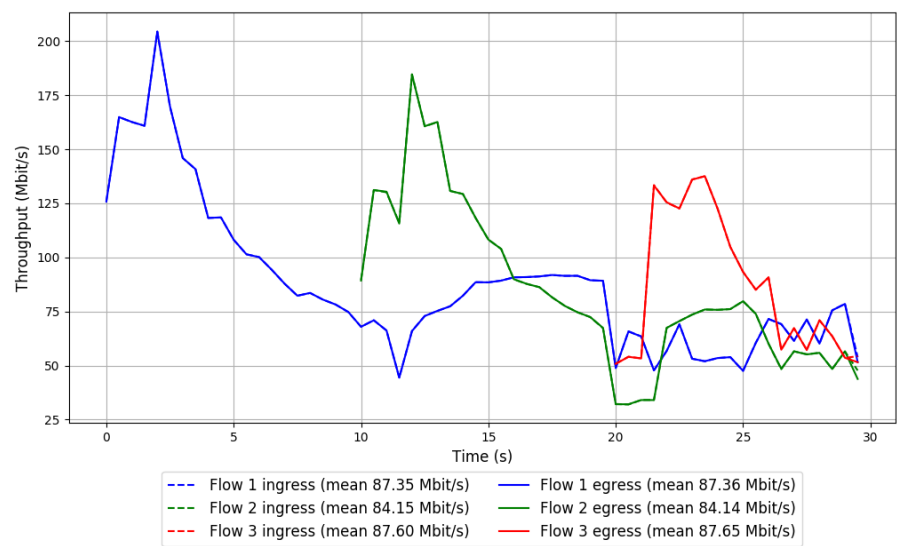


Run 5: Statistics of Copa

Start at: 2018-03-27 16:37:52
End at: 2018-03-27 16:38:22
Local clock offset: -0.629 ms
Remote clock offset: -4.776 ms

```
# Below is generated by plot.py at 2018-03-28 01:40:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 172.27 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.16%
```

Run 5: Report of Copa — Data Link

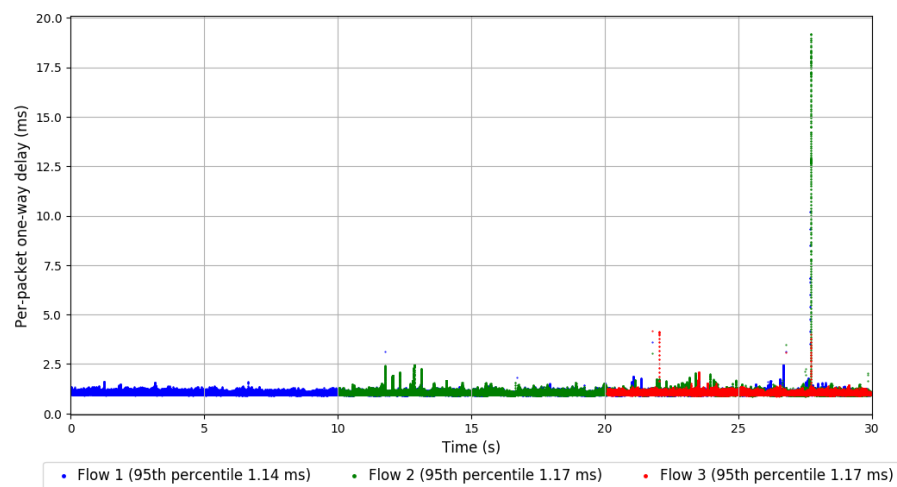
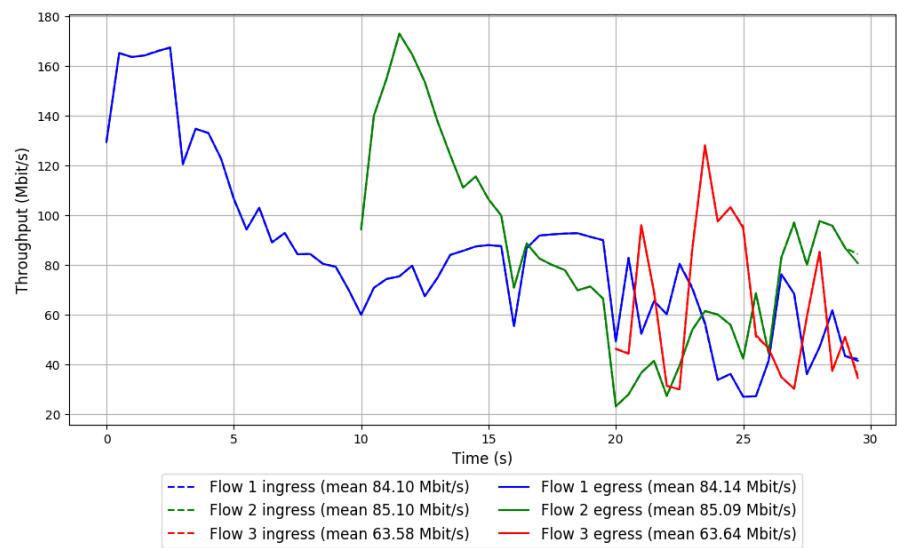


Run 6: Statistics of Copa

Start at: 2018-03-27 17:06:47
End at: 2018-03-27 17:07:17
Local clock offset: 0.13 ms
Remote clock offset: -5.375 ms

Below is generated by plot.py at 2018-03-28 01:40:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.71 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 1.143 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 63.64 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.09%

Run 6: Report of Copa — Data Link

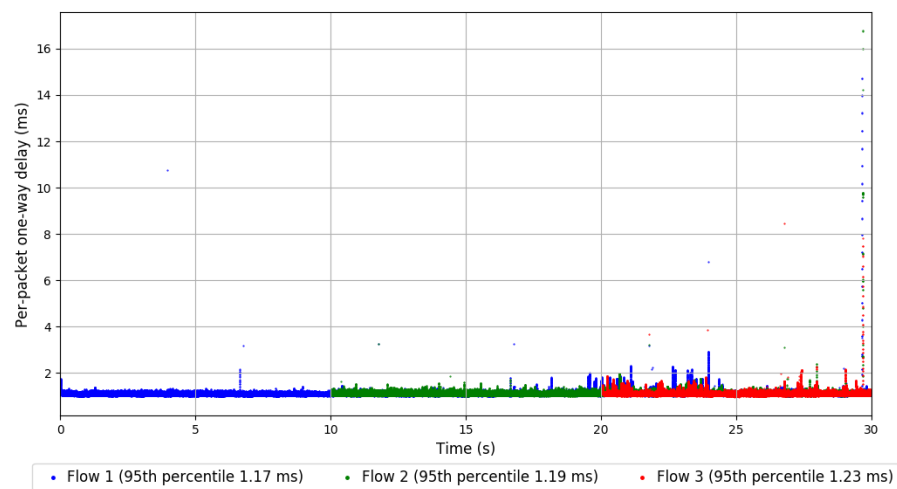
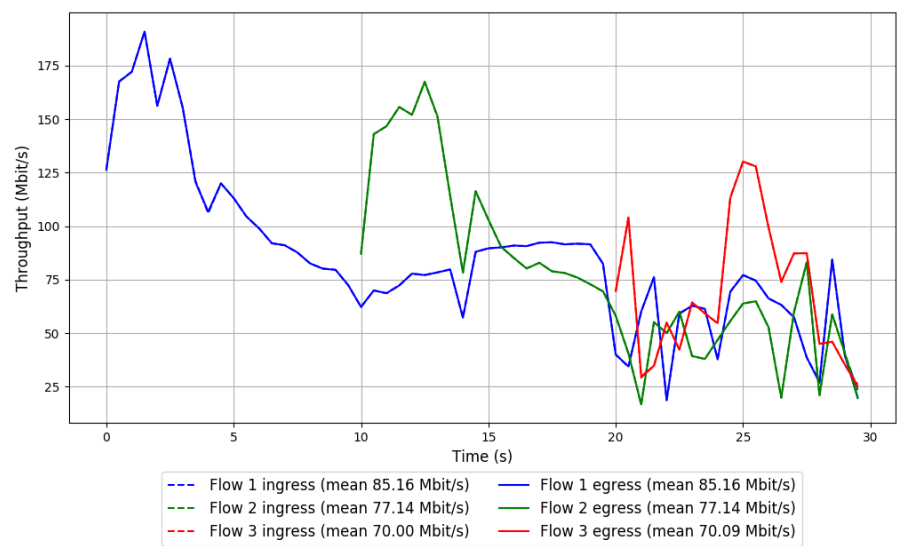


Run 7: Statistics of Copa

Start at: 2018-03-27 17:35:48
End at: 2018-03-27 17:36:18
Local clock offset: 1.455 ms
Remote clock offset: -5.455 ms

Below is generated by plot.py at 2018-03-28 01:40:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.62 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.16 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 77.14 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 70.09 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.07%

Run 7: Report of Copa — Data Link

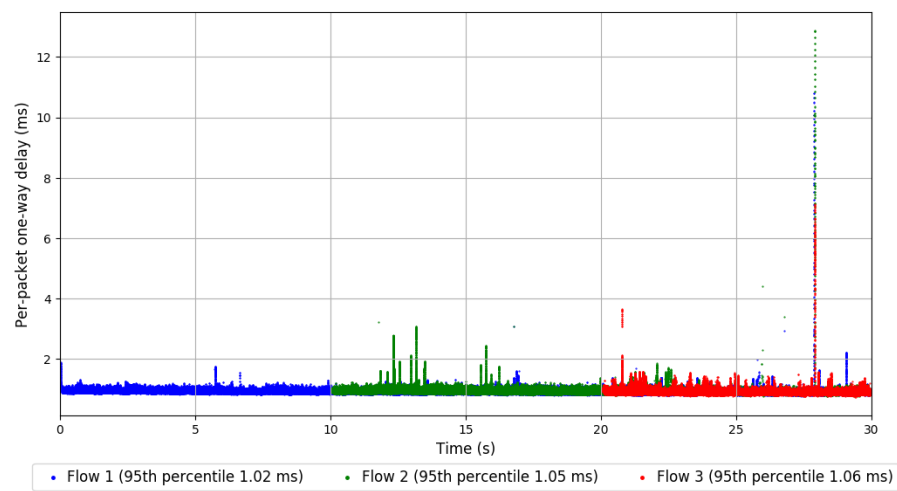
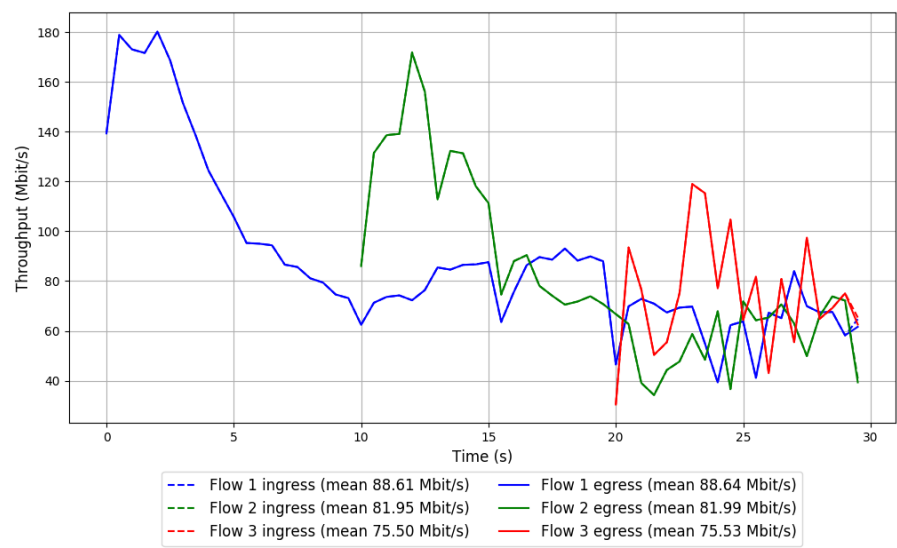


Run 8: Statistics of Copa

Start at: 2018-03-27 18:04:46
End at: 2018-03-27 18:05:16
Local clock offset: 1.179 ms
Remote clock offset: -4.686 ms

Below is generated by plot.py at 2018-03-28 01:40:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.07 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 1.020 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 81.99 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.20%

Run 8: Report of Copa — Data Link

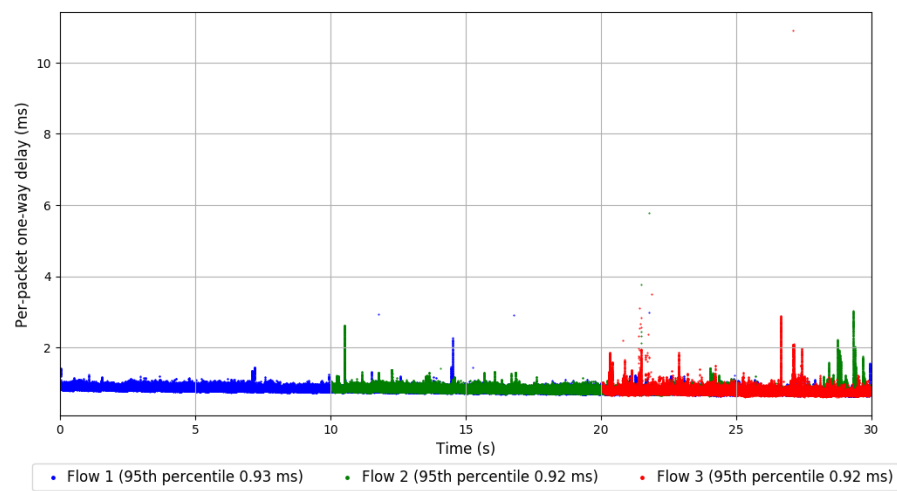
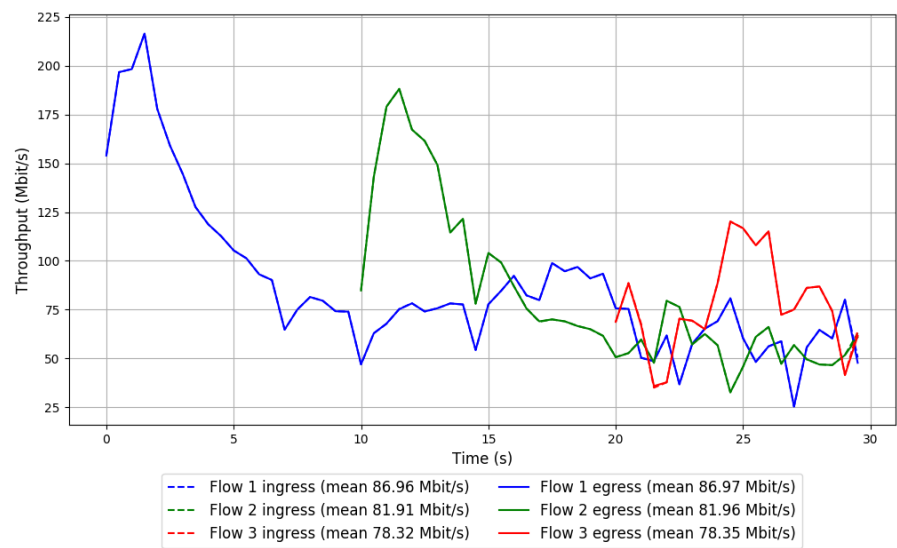


Run 9: Statistics of Copa

Start at: 2018-03-27 18:33:44
End at: 2018-03-27 18:34:14
Local clock offset: 5.921 ms
Remote clock offset: -6.067 ms

Below is generated by plot.py at 2018-03-28 01:40:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 167.35 Mbit/s
95th percentile per-packet one-way delay: 0.924 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 86.97 Mbit/s
95th percentile per-packet one-way delay: 0.925 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 0.922 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 78.35 Mbit/s
95th percentile per-packet one-way delay: 0.918 ms
Loss rate: 0.17%

Run 9: Report of Copa — Data Link

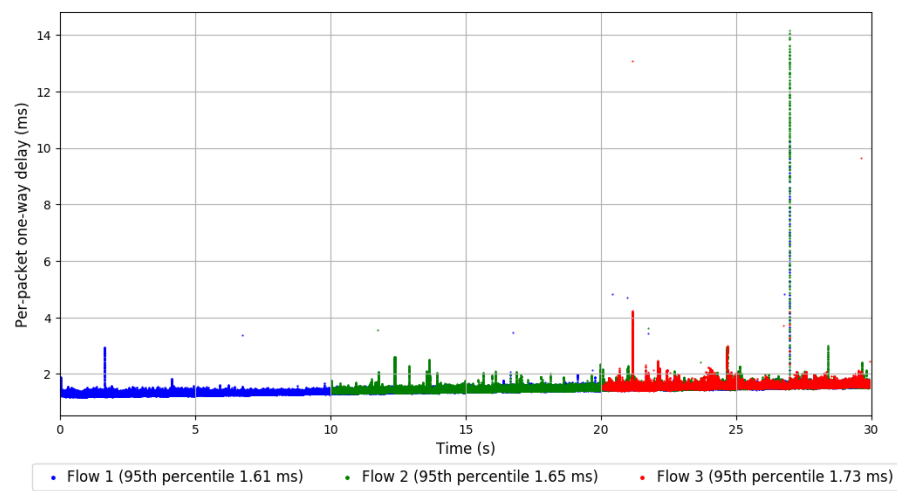
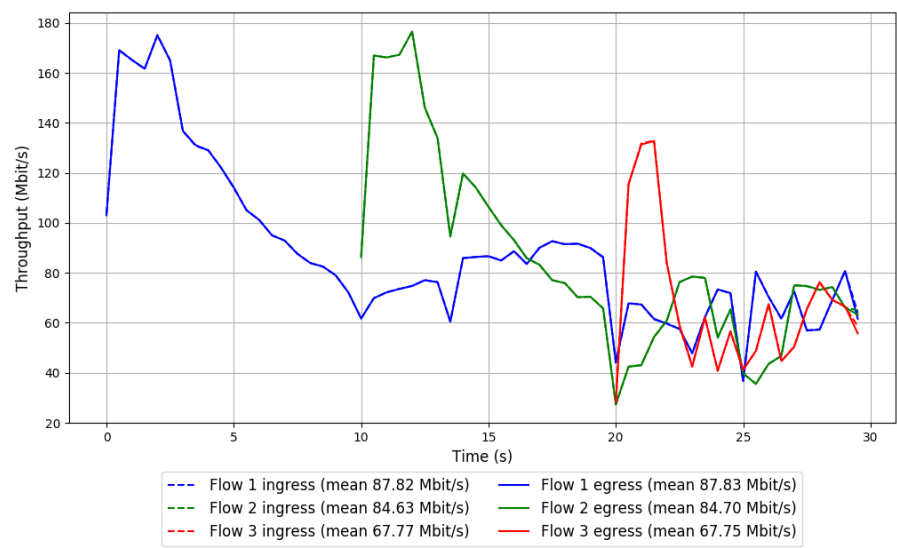


Run 10: Statistics of Copa

Start at: 2018-03-27 19:02:41
End at: 2018-03-27 19:03:11
Local clock offset: 6.192 ms
Remote clock offset: -5.863 ms

Below is generated by plot.py at 2018-03-28 01:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.54 Mbit/s
95th percentile per-packet one-way delay: 1.643 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 87.83 Mbit/s
95th percentile per-packet one-way delay: 1.610 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 1.645 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 1.726 ms
Loss rate: 0.21%

Run 10: Report of Copa — Data Link

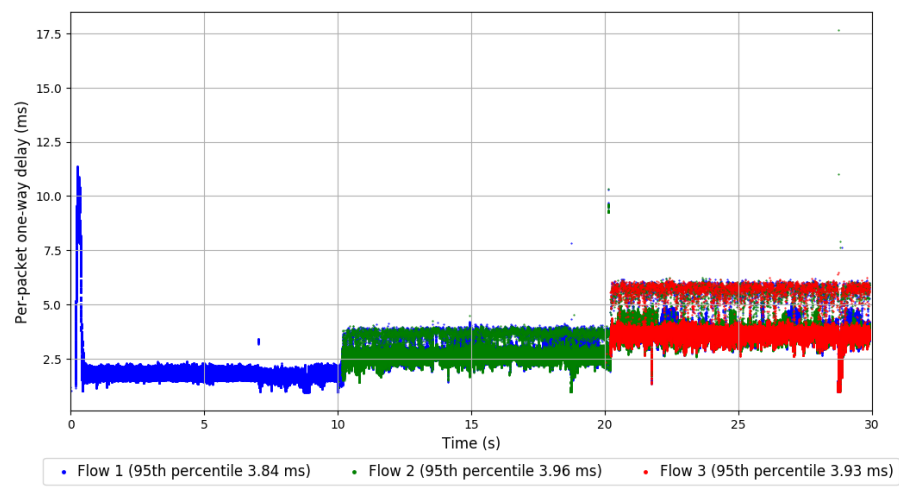
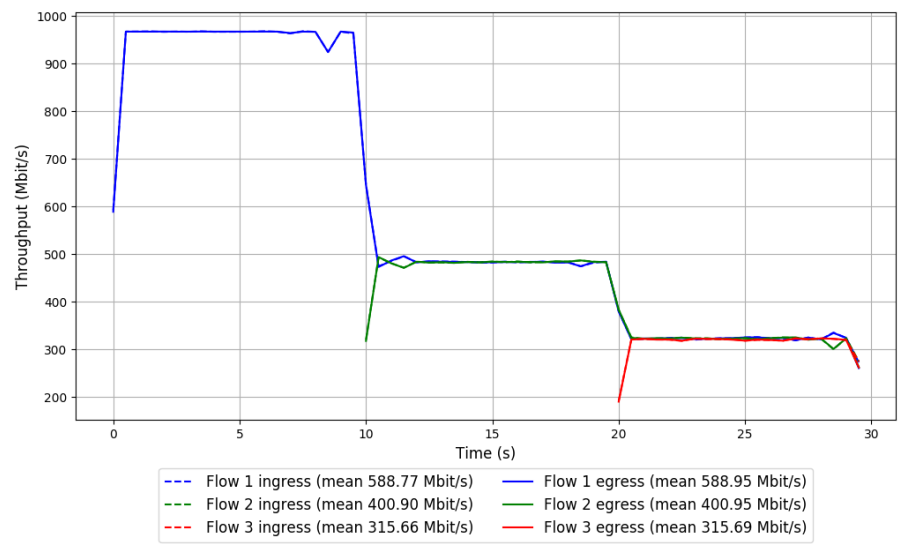


Run 1: Statistics of FillP

Start at: 2018-03-27 14:39:16
End at: 2018-03-27 14:39:46
Local clock offset: 4.836 ms
Remote clock offset: -4.799 ms

Below is generated by plot.py at 2018-03-28 01:53:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.77 Mbit/s
95th percentile per-packet one-way delay: 3.899 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 588.95 Mbit/s
95th percentile per-packet one-way delay: 3.844 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.95 Mbit/s
95th percentile per-packet one-way delay: 3.956 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 315.69 Mbit/s
95th percentile per-packet one-way delay: 3.933 ms
Loss rate: 0.23%

Run 1: Report of FillP — Data Link

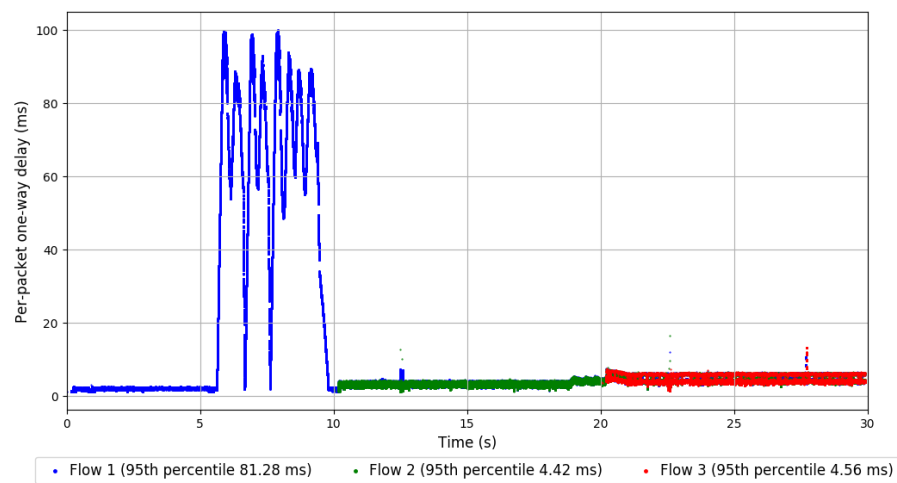
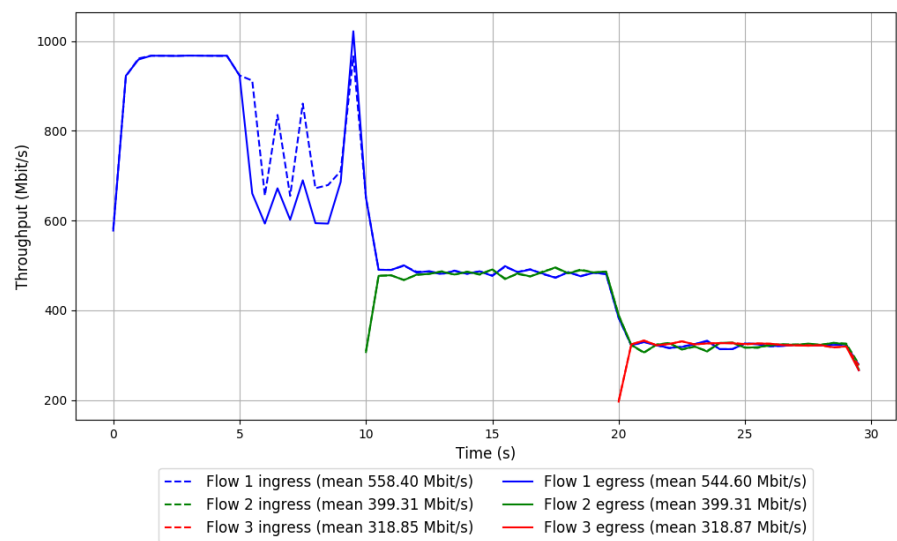


Run 2: Statistics of FillP

Start at: 2018-03-27 15:08:12
End at: 2018-03-27 15:08:42
Local clock offset: 1.132 ms
Remote clock offset: -4.067 ms

Below is generated by plot.py at 2018-03-28 01:53:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 915.55 Mbit/s
95th percentile per-packet one-way delay: 66.897 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 544.60 Mbit/s
95th percentile per-packet one-way delay: 81.281 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 399.31 Mbit/s
95th percentile per-packet one-way delay: 4.421 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.87 Mbit/s
95th percentile per-packet one-way delay: 4.556 ms
Loss rate: 0.20%

Run 2: Report of FillP — Data Link

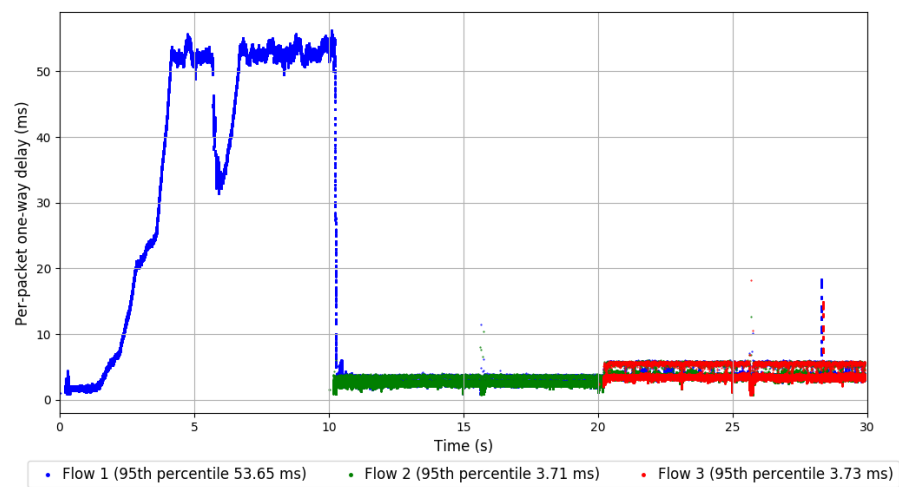
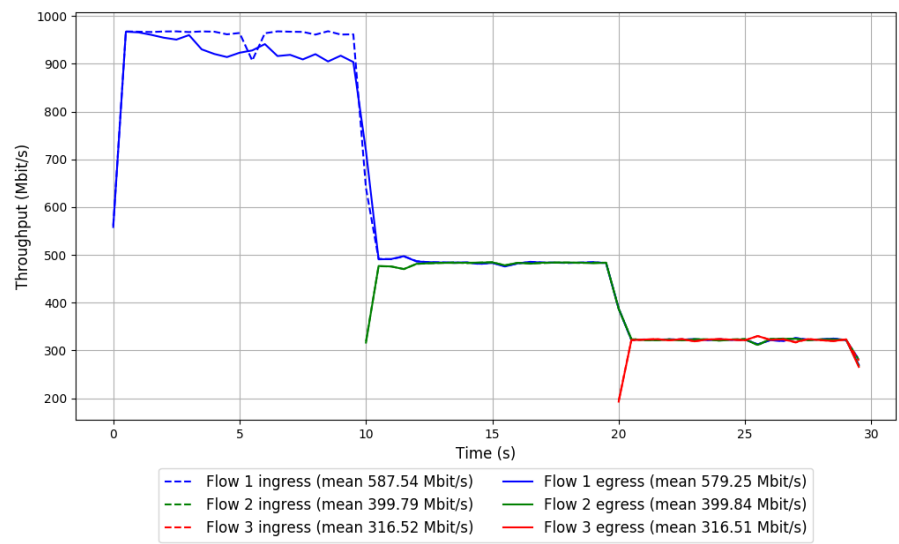


Run 3: Statistics of FillP

Start at: 2018-03-27 15:36:49
End at: 2018-03-27 15:37:19
Local clock offset: -2.001 ms
Remote clock offset: -4.922 ms

Below is generated by plot.py at 2018-03-28 01:54:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 949.98 Mbit/s
95th percentile per-packet one-way delay: 53.178 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 579.25 Mbit/s
95th percentile per-packet one-way delay: 53.652 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 399.84 Mbit/s
95th percentile per-packet one-way delay: 3.715 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.51 Mbit/s
95th percentile per-packet one-way delay: 3.734 ms
Loss rate: 0.24%

Run 3: Report of FillP — Data Link

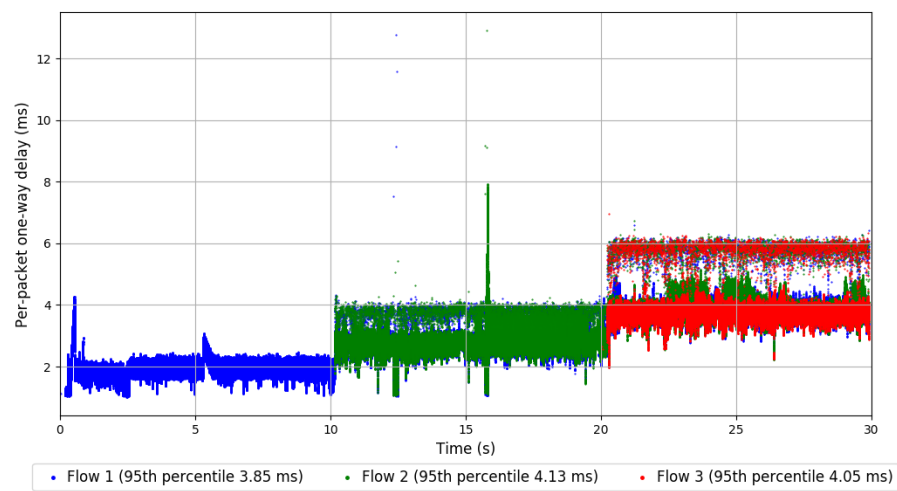
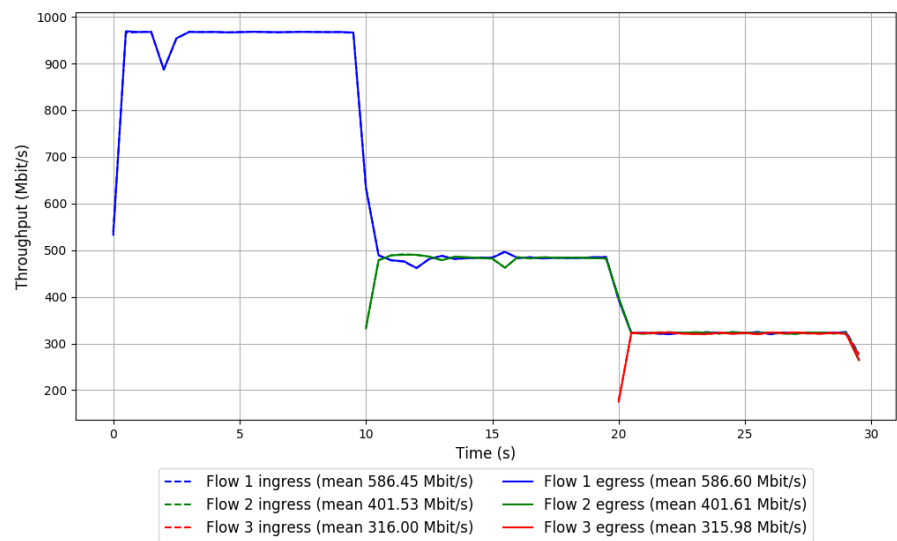


Run 4: Statistics of FillP

Start at: 2018-03-27 16:05:41
End at: 2018-03-27 16:06:11
Local clock offset: -0.424 ms
Remote clock offset: -5.944 ms

Below is generated by plot.py at 2018-03-28 01:55:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 958.08 Mbit/s
95th percentile per-packet one-way delay: 3.967 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 586.60 Mbit/s
95th percentile per-packet one-way delay: 3.853 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.61 Mbit/s
95th percentile per-packet one-way delay: 4.135 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 315.98 Mbit/s
95th percentile per-packet one-way delay: 4.049 ms
Loss rate: 0.23%

Run 4: Report of FillP — Data Link

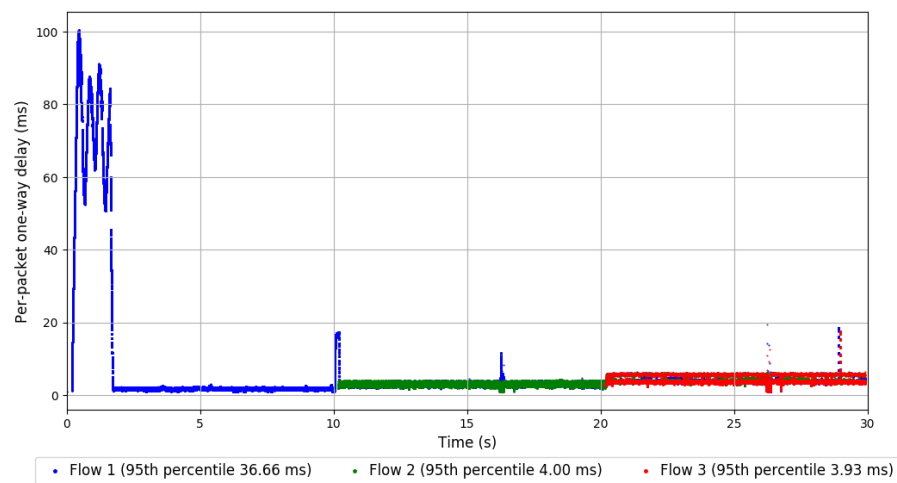
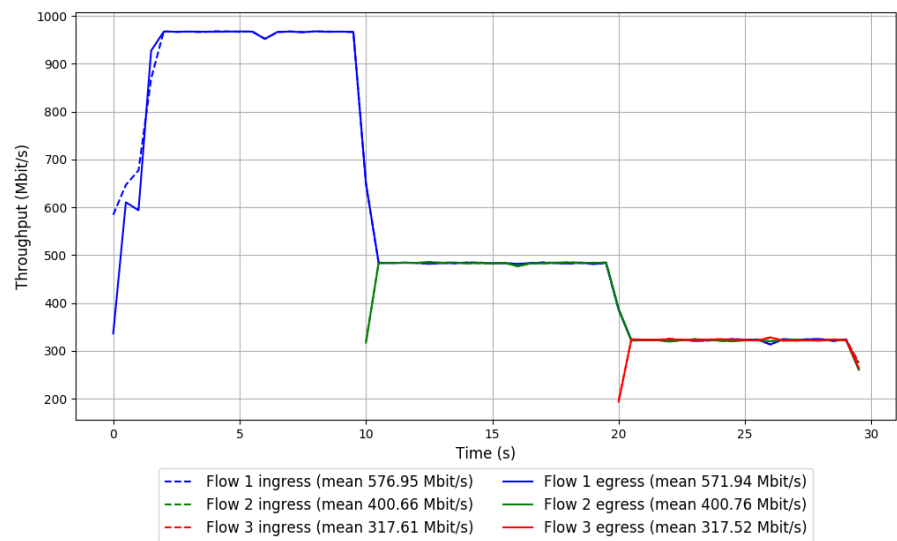


Run 5: Statistics of FillP

Start at: 2018-03-27 16:34:47
End at: 2018-03-27 16:35:17
Local clock offset: -0.546 ms
Remote clock offset: -4.916 ms

Below is generated by plot.py at 2018-03-28 01:55:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 943.23 Mbit/s
95th percentile per-packet one-way delay: 4.315 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 571.94 Mbit/s
95th percentile per-packet one-way delay: 36.664 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 400.76 Mbit/s
95th percentile per-packet one-way delay: 3.995 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.52 Mbit/s
95th percentile per-packet one-way delay: 3.930 ms
Loss rate: 0.23%

Run 5: Report of FillP — Data Link

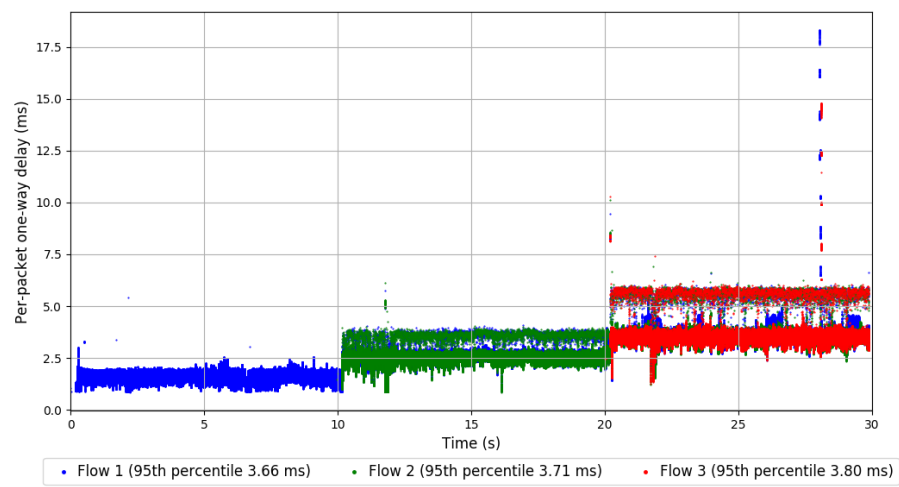
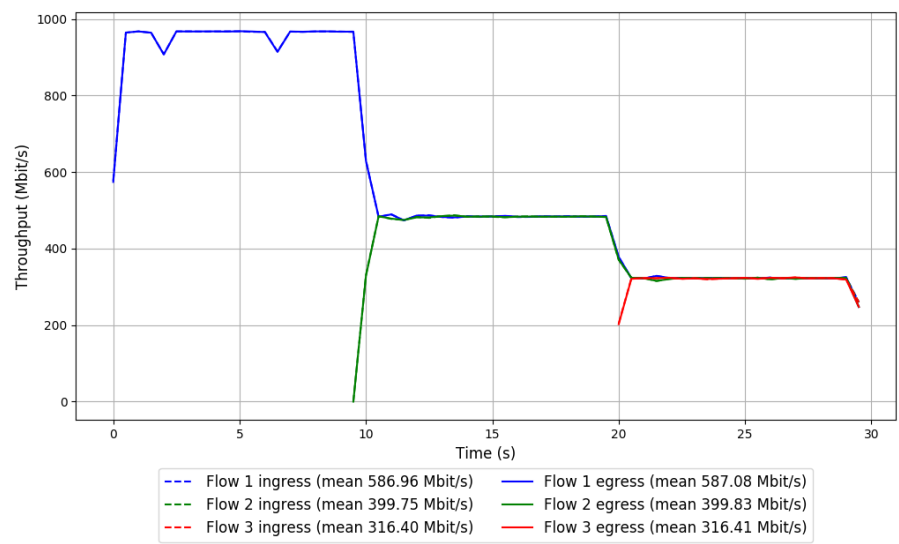


Run 6: Statistics of FillP

Start at: 2018-03-27 17:03:41
End at: 2018-03-27 17:04:11
Local clock offset: 0.061 ms
Remote clock offset: -5.147 ms

Below is generated by plot.py at 2018-03-28 01:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 957.95 Mbit/s
95th percentile per-packet one-way delay: 3.709 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 587.08 Mbit/s
95th percentile per-packet one-way delay: 3.657 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 399.83 Mbit/s
95th percentile per-packet one-way delay: 3.711 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.41 Mbit/s
95th percentile per-packet one-way delay: 3.800 ms
Loss rate: 0.23%

Run 6: Report of FillP — Data Link

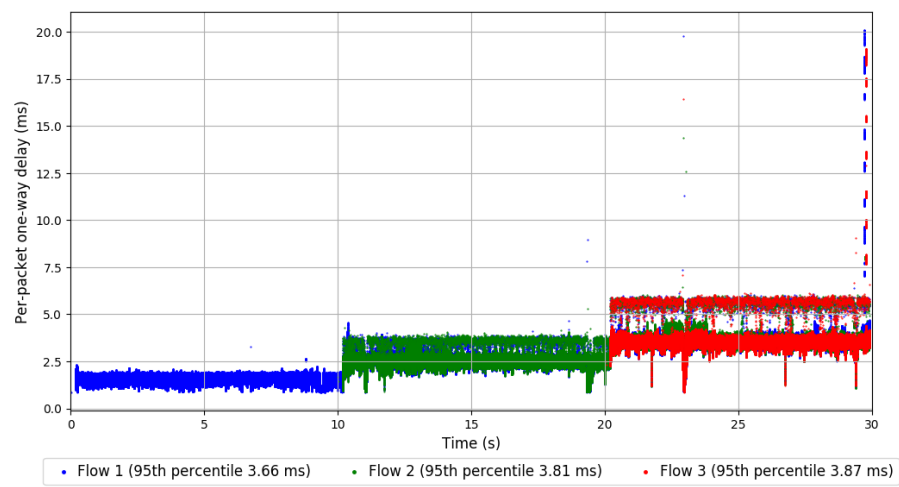
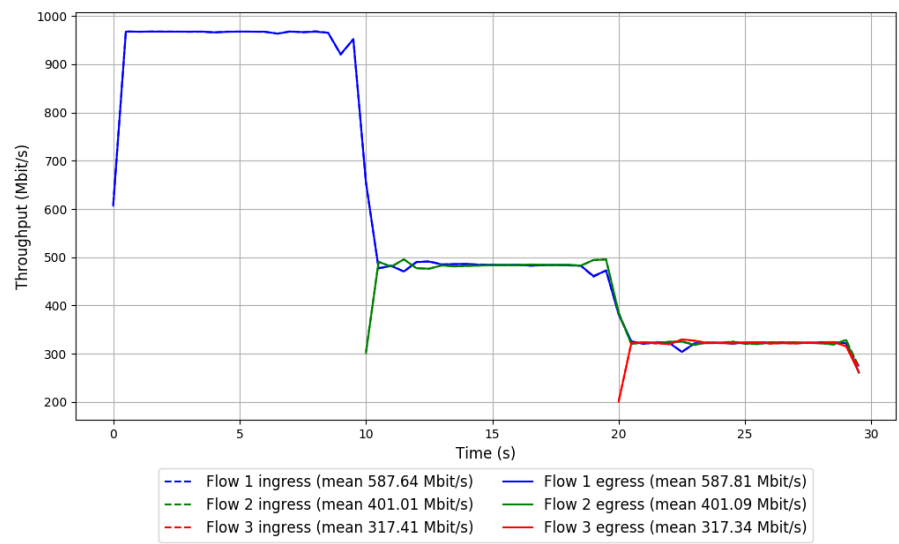


Run 7: Statistics of FillP

Start at: 2018-03-27 17:32:43
End at: 2018-03-27 17:33:13
Local clock offset: 1.245 ms
Remote clock offset: -5.542 ms

Below is generated by plot.py at 2018-03-28 01:55:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.45 Mbit/s
95th percentile per-packet one-way delay: 3.749 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 587.81 Mbit/s
95th percentile per-packet one-way delay: 3.658 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.09 Mbit/s
95th percentile per-packet one-way delay: 3.811 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.34 Mbit/s
95th percentile per-packet one-way delay: 3.865 ms
Loss rate: 0.23%

Run 7: Report of FillP — Data Link

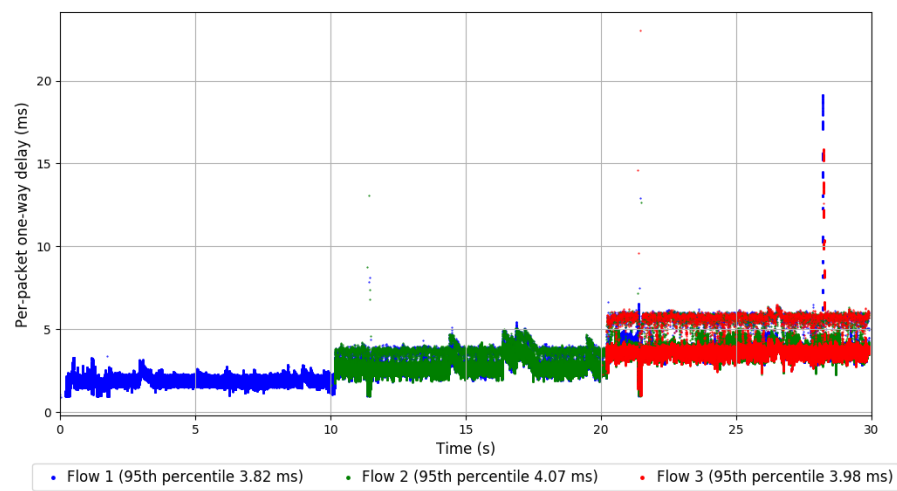
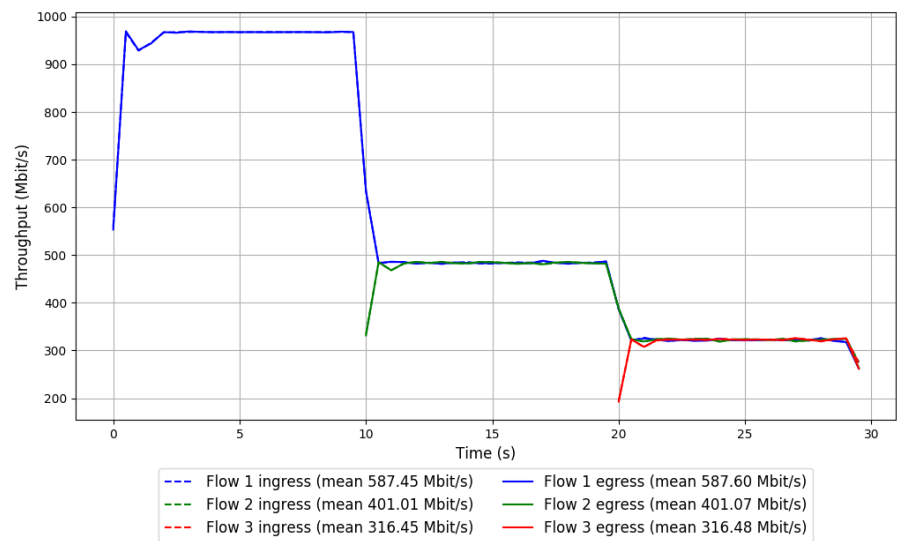


Run 8: Statistics of FillP

Start at: 2018-03-27 18:01:40
End at: 2018-03-27 18:02:10
Local clock offset: 1.243 ms
Remote clock offset: -4.692 ms

Below is generated by plot.py at 2018-03-28 01:56:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 958.98 Mbit/s
95th percentile per-packet one-way delay: 3.925 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 587.60 Mbit/s
95th percentile per-packet one-way delay: 3.818 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 401.07 Mbit/s
95th percentile per-packet one-way delay: 4.072 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.48 Mbit/s
95th percentile per-packet one-way delay: 3.976 ms
Loss rate: 0.23%

Run 8: Report of FillP — Data Link

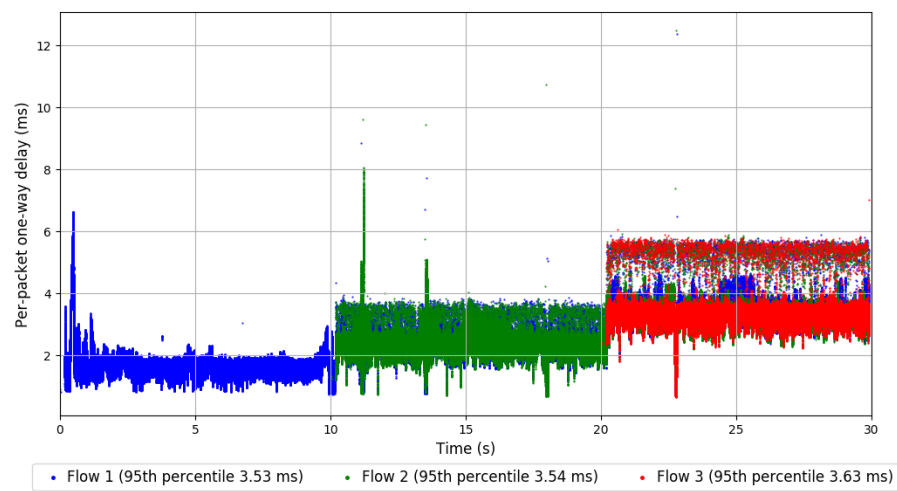
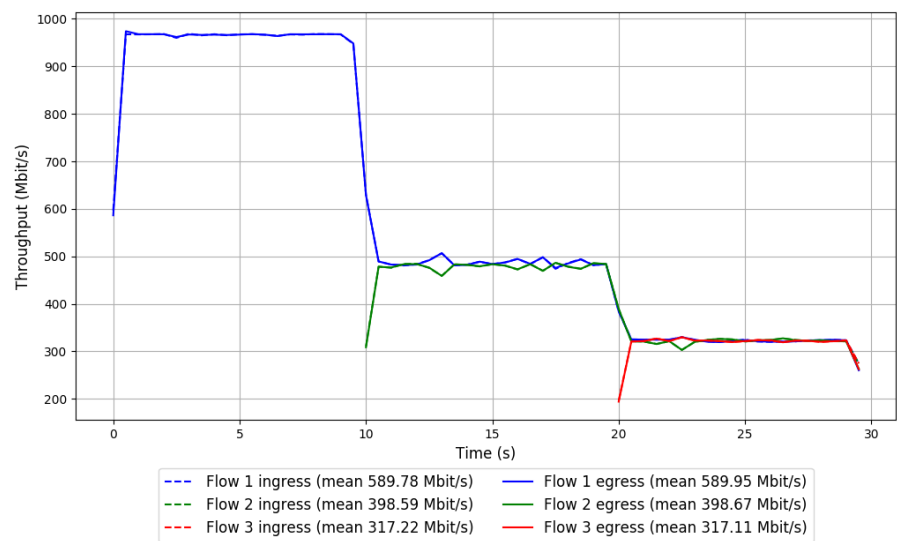


Run 9: Statistics of FillP

Start at: 2018-03-27 18:30:39
End at: 2018-03-27 18:31:09
Local clock offset: 4.768 ms
Remote clock offset: -6.044 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.50 Mbit/s
95th percentile per-packet one-way delay: 3.560 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.95 Mbit/s
95th percentile per-packet one-way delay: 3.533 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 398.67 Mbit/s
95th percentile per-packet one-way delay: 3.541 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.11 Mbit/s
95th percentile per-packet one-way delay: 3.633 ms
Loss rate: 0.23%

Run 9: Report of FillP — Data Link

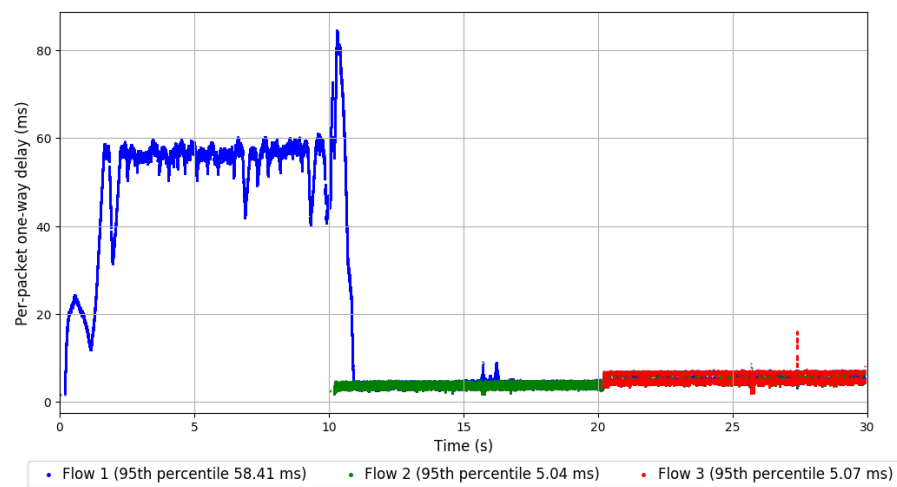
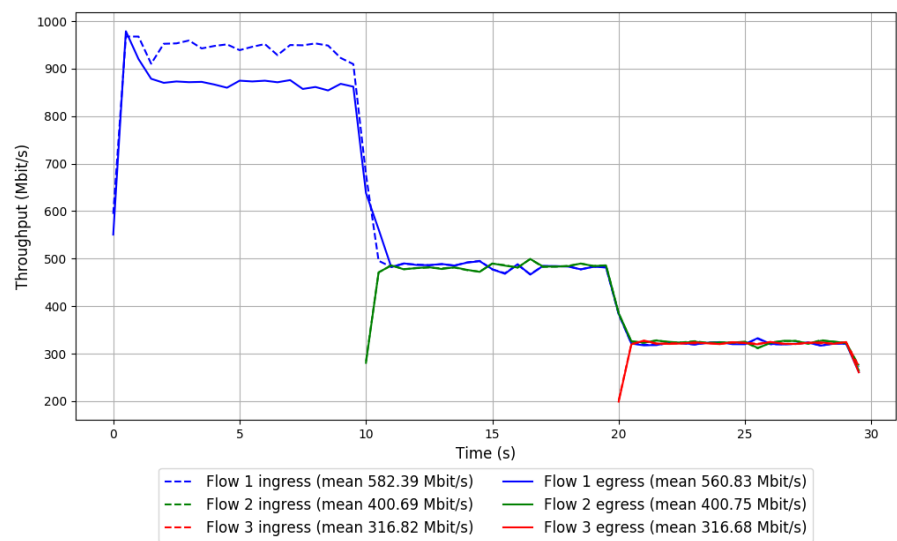


Run 10: Statistics of FillP

Start at: 2018-03-27 18:59:35
End at: 2018-03-27 19:00:05
Local clock offset: 9.218 ms
Remote clock offset: -5.893 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 931.74 Mbit/s
95th percentile per-packet one-way delay: 57.837 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 560.83 Mbit/s
95th percentile per-packet one-way delay: 58.408 ms
Loss rate: 3.77%
-- Flow 2:
Average throughput: 400.75 Mbit/s
95th percentile per-packet one-way delay: 5.035 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.68 Mbit/s
95th percentile per-packet one-way delay: 5.065 ms
Loss rate: 0.24%

Run 10: Report of FillP — Data Link

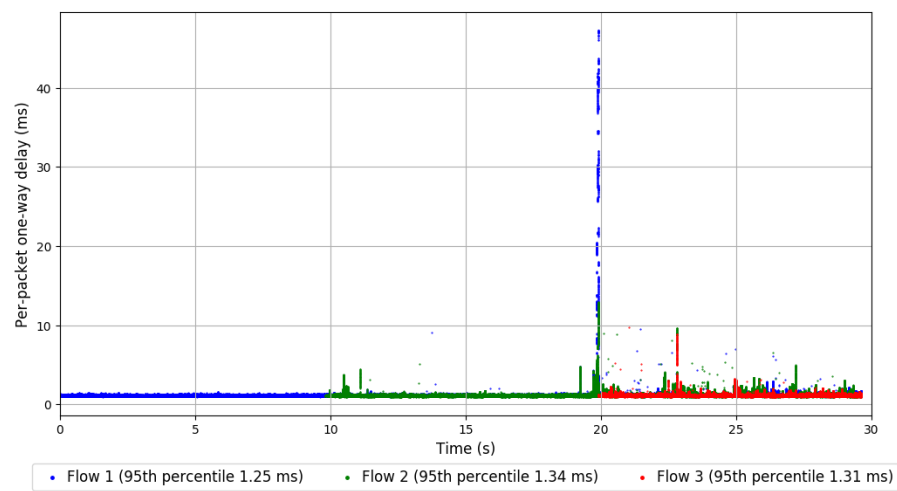
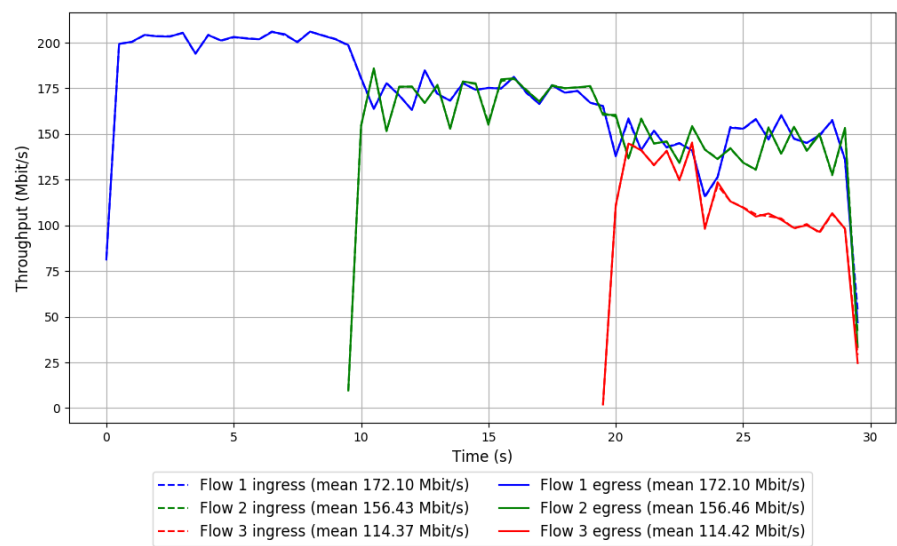


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-27 14:21:01
End at: 2018-03-27 14:21:31
Local clock offset: 4.903 ms
Remote clock offset: -5.257 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.24 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 172.10 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 156.46 Mbit/s
95th percentile per-packet one-way delay: 1.342 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 114.42 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.20%

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

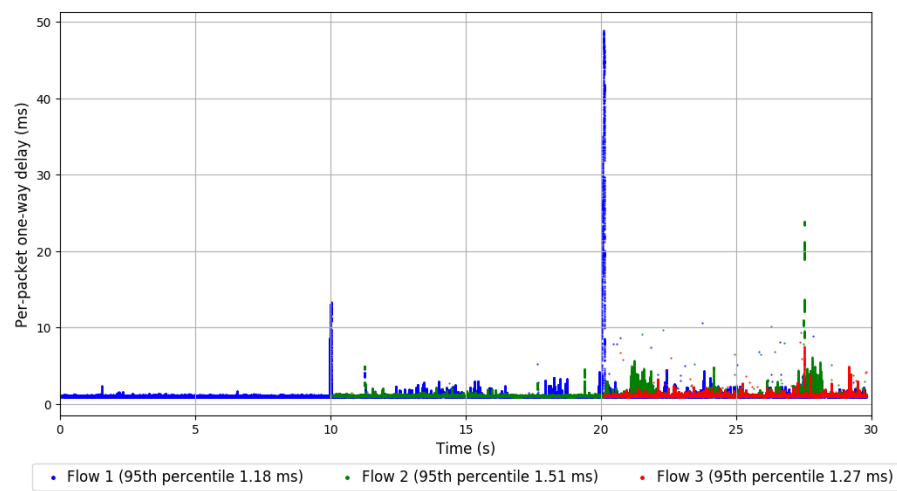
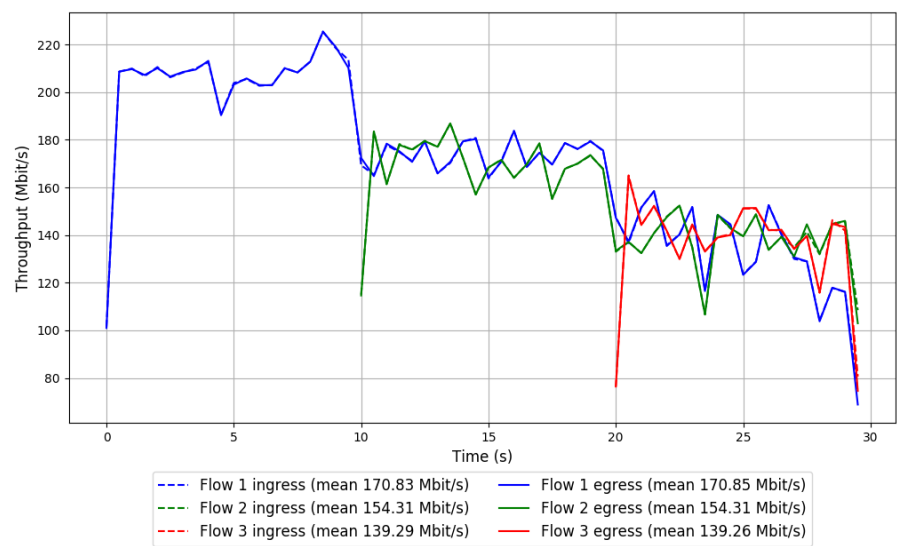


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-27 14:49:57
End at: 2018-03-27 14:50:27
Local clock offset: 4.863 ms
Remote clock offset: -4.613 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.73 Mbit/s
95th percentile per-packet one-way delay: 1.296 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 170.85 Mbit/s
95th percentile per-packet one-way delay: 1.181 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 154.31 Mbit/s
95th percentile per-packet one-way delay: 1.515 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 139.26 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.22%

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

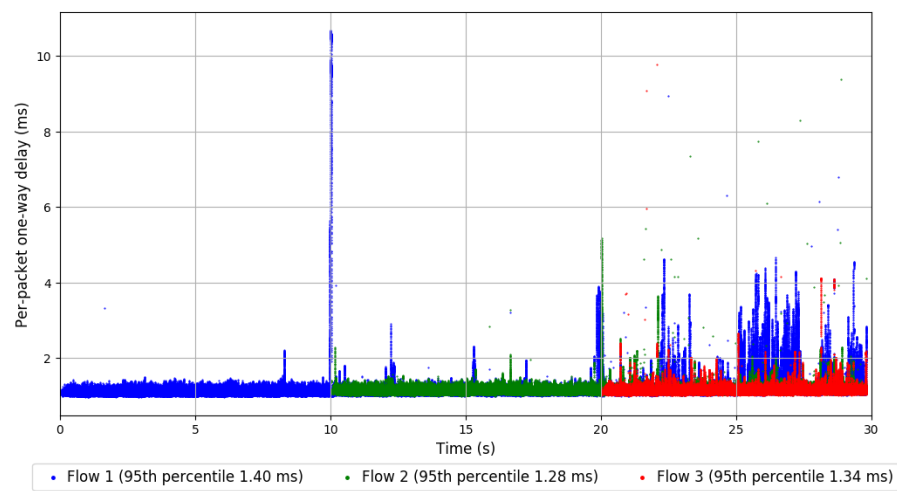
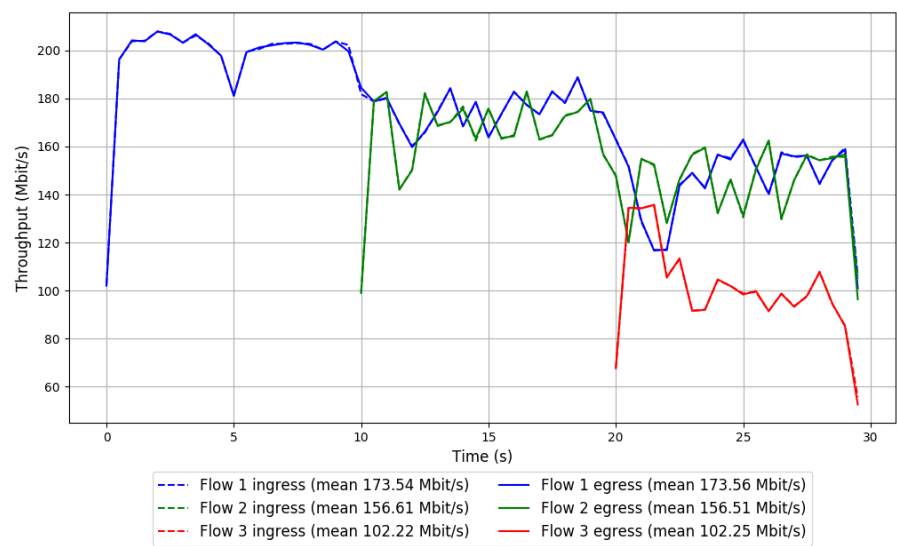


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-27 15:18:42
End at: 2018-03-27 15:19:12
Local clock offset: -1.151 ms
Remote clock offset: -4.412 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.96 Mbit/s
95th percentile per-packet one-way delay: 1.325 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 173.56 Mbit/s
95th percentile per-packet one-way delay: 1.401 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 156.51 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 102.25 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.18%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-27 15:47:24

End at: 2018-03-27 15:47:54

Local clock offset: -0.475 ms

Remote clock offset: -4.83 ms

Below is generated by plot.py at 2018-03-28 02:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.30 Mbit/s

95th percentile per-packet one-way delay: 1.126 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 171.37 Mbit/s

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

Loss rate: 0.03%

-- Flow 2:

Average throughput: 156.86 Mbit/s

95th percentile per-packet one-way delay: 1.240 ms

Loss rate: 0.10%

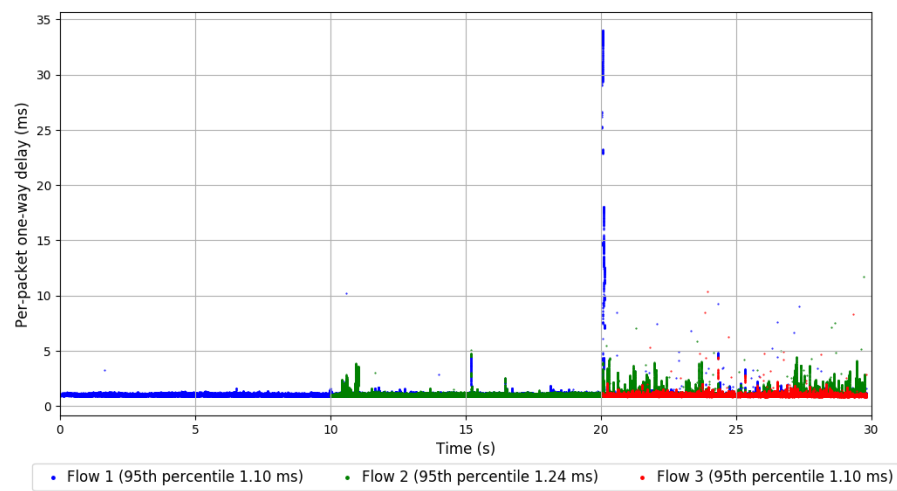
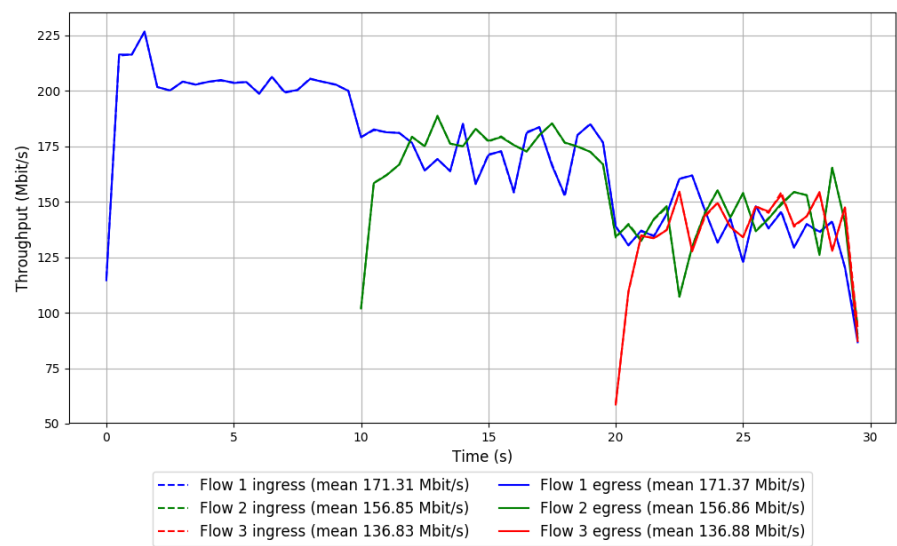
-- Flow 3:

Average throughput: 136.88 Mbit/s

95th percentile per-packet one-way delay: 1.105 ms

Loss rate: 0.22%

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

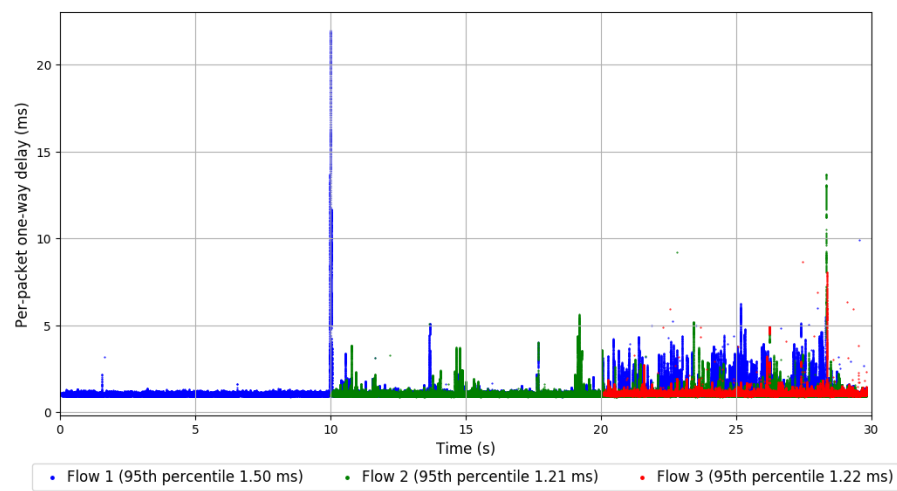
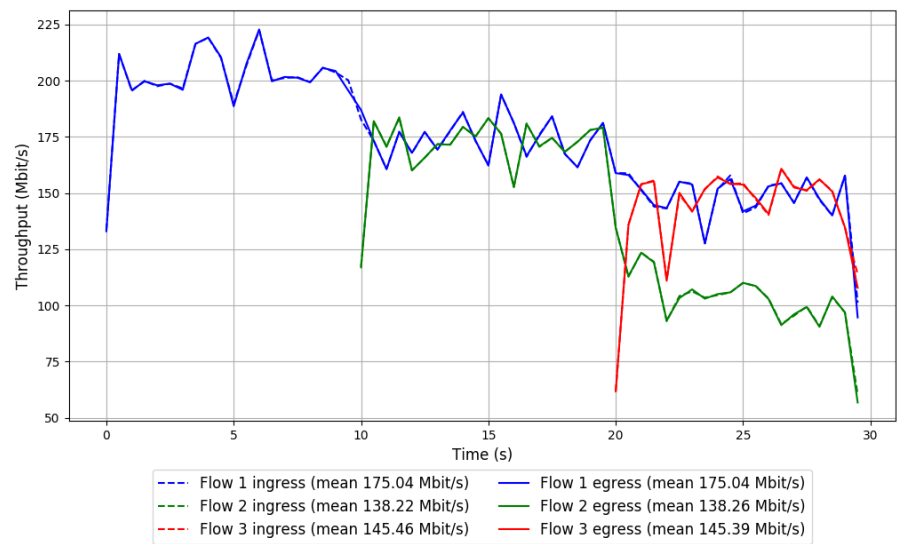


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-27 16:16:21
End at: 2018-03-27 16:16:51
Local clock offset: -0.385 ms
Remote clock offset: -6.081 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.31 Mbit/s
95th percentile per-packet one-way delay: 1.336 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.04 Mbit/s
95th percentile per-packet one-way delay: 1.501 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 138.26 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 145.39 Mbit/s
95th percentile per-packet one-way delay: 1.216 ms
Loss rate: 0.22%

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

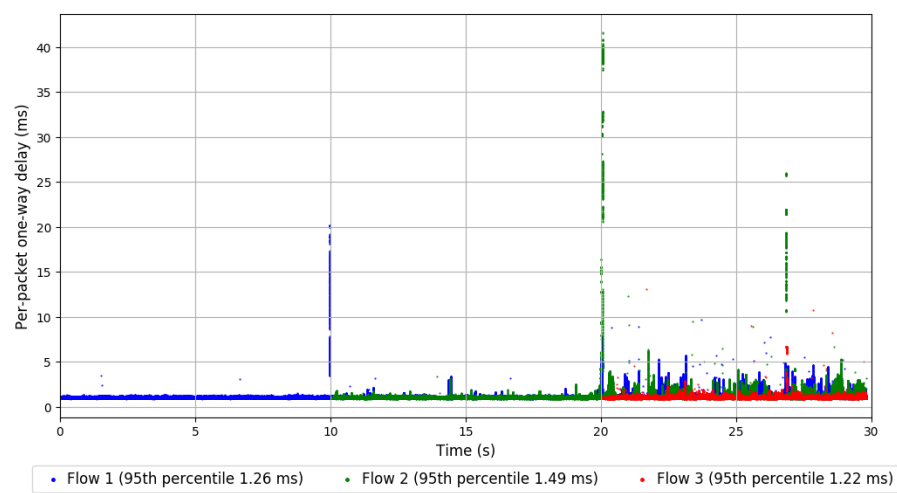
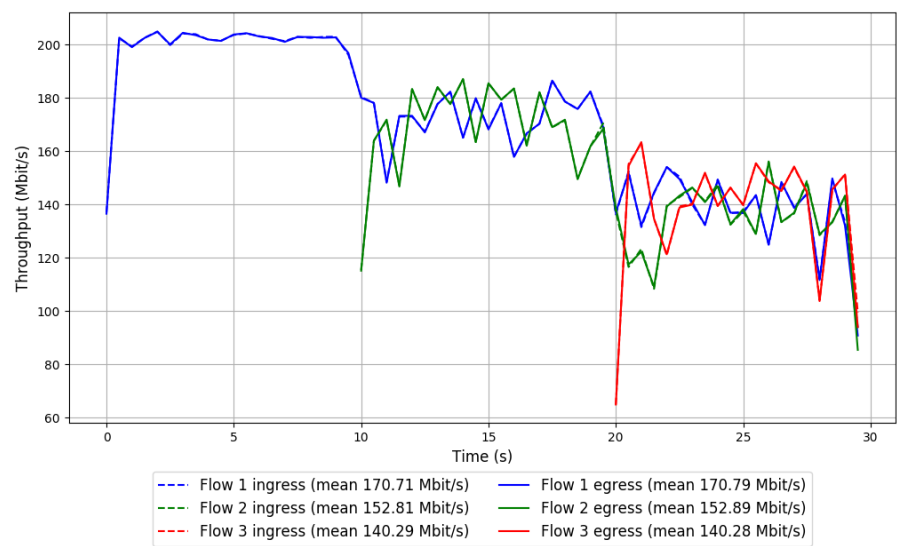


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-27 16:45:21
End at: 2018-03-27 16:45:51
Local clock offset: -0.439 ms
Remote clock offset: -4.589 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 318.09 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 170.79 Mbit/s
95th percentile per-packet one-way delay: 1.257 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 152.89 Mbit/s
95th percentile per-packet one-way delay: 1.487 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 140.28 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.21%

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

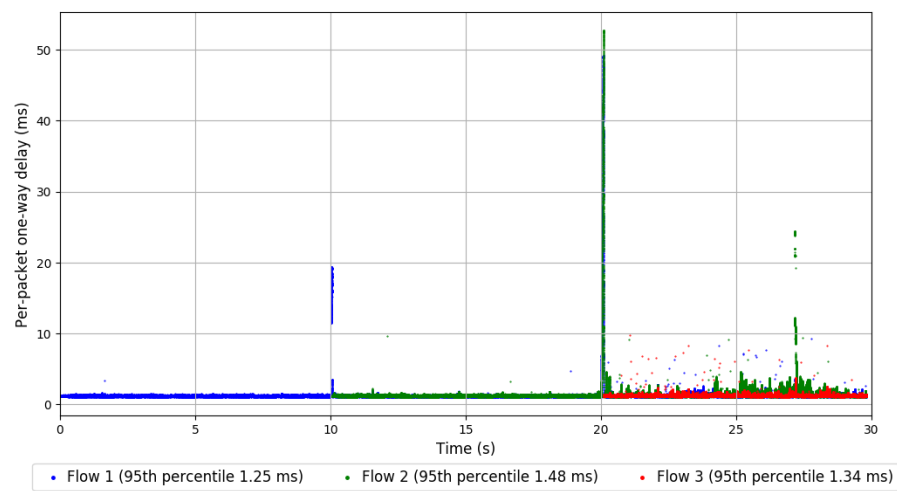
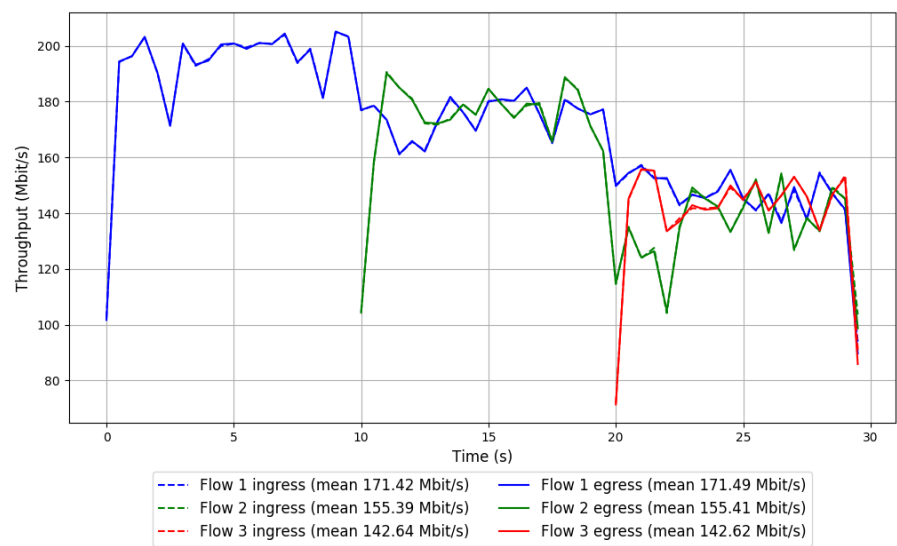


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-27 17:14:20
End at: 2018-03-27 17:14:50
Local clock offset: 0.106 ms
Remote clock offset: -5.724 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.05 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 171.49 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 155.41 Mbit/s
95th percentile per-packet one-way delay: 1.484 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 142.62 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.21%

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

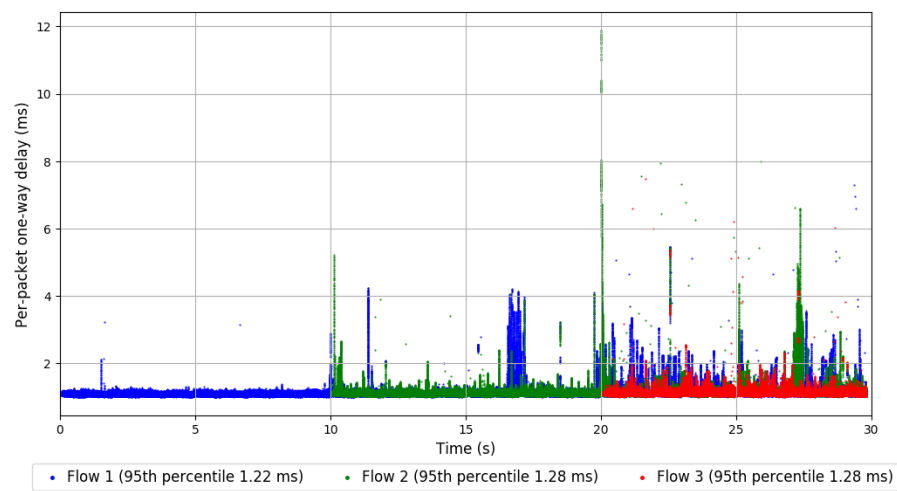
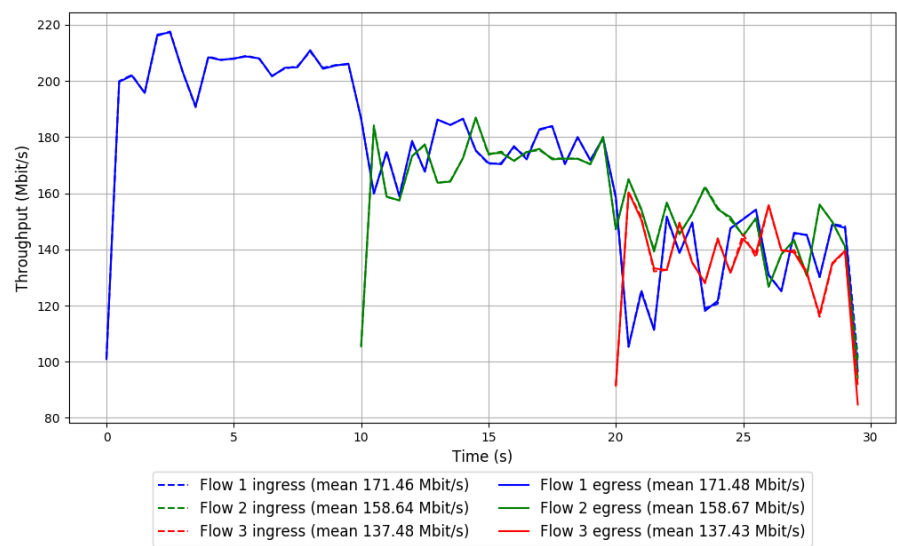


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-27 17:43:20
End at: 2018-03-27 17:43:50
Local clock offset: 1.652 ms
Remote clock offset: -5.194 ms

```
# Below is generated by plot.py at 2018-03-28 02:08:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 321.85 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 171.48 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 158.67 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 137.43 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.24%
```

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

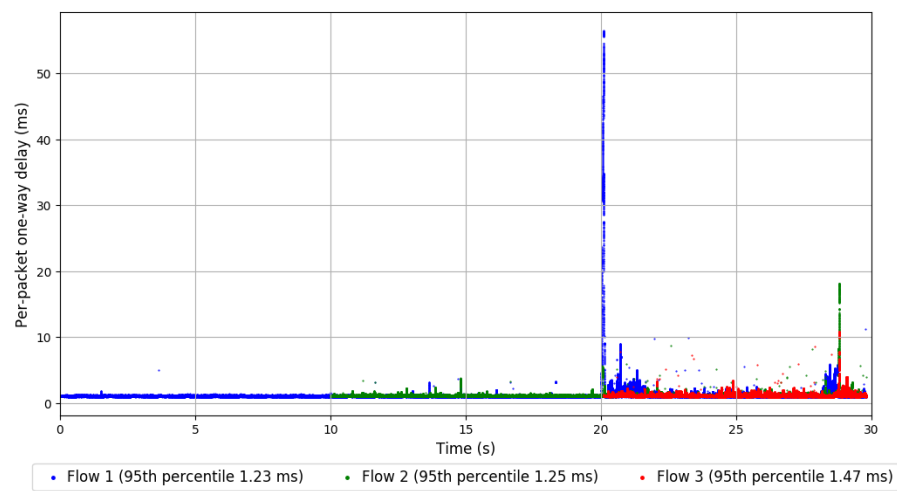
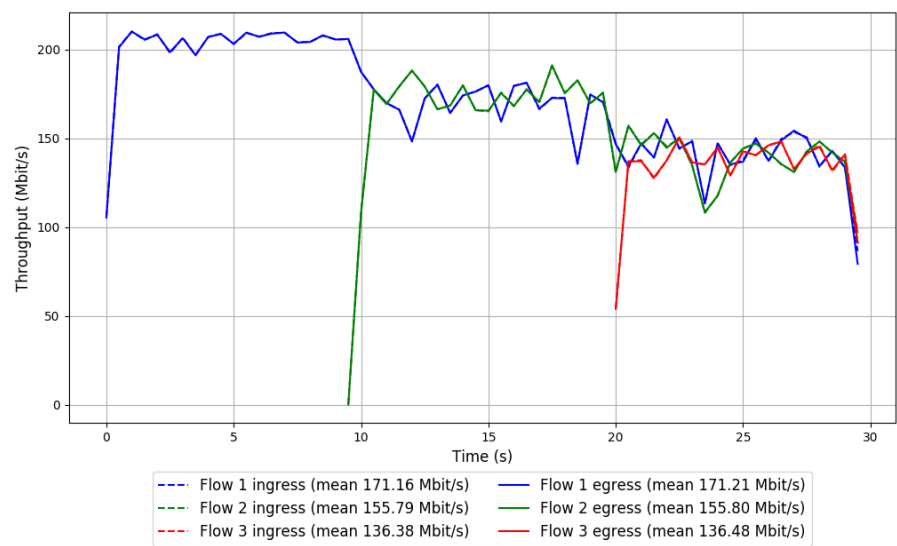


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-27 18:12:18
End at: 2018-03-27 18:12:48
Local clock offset: 1.132 ms
Remote clock offset: -5.559 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.16 Mbit/s
95th percentile per-packet one-way delay: 1.278 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 171.21 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 155.80 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 136.48 Mbit/s
95th percentile per-packet one-way delay: 1.465 ms
Loss rate: 0.21%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-27 18:41:12

End at: 2018-03-27 18:41:42

Local clock offset: 7.721 ms

Remote clock offset: -6.1 ms

Below is generated by plot.py at 2018-03-28 02:08:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.87 Mbit/s

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

Loss rate: 0.09%

-- Flow 1:

Average throughput: 172.07 Mbit/s

95th percentile per-packet one-way delay: 1.080 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 153.69 Mbit/s

95th percentile per-packet one-way delay: 1.498 ms

Loss rate: 0.12%

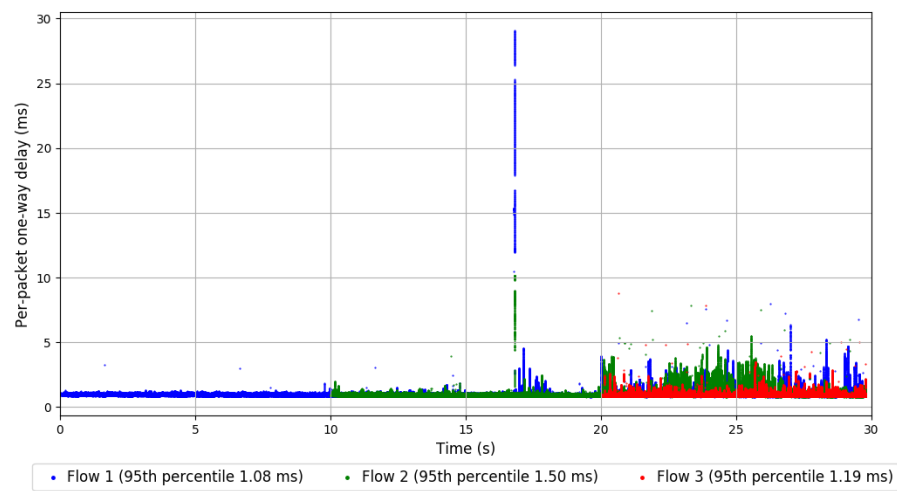
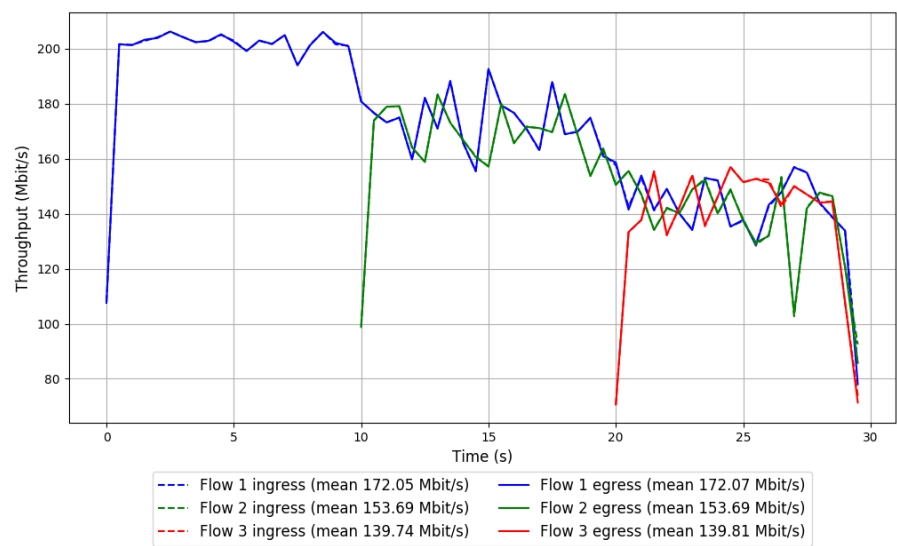
-- Flow 3:

Average throughput: 139.81 Mbit/s

95th percentile per-packet one-way delay: 1.194 ms

Loss rate: 0.10%

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

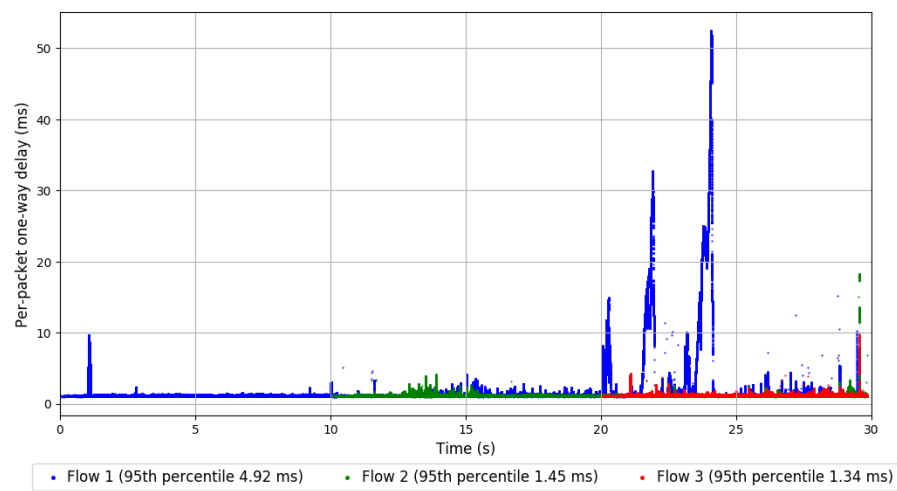
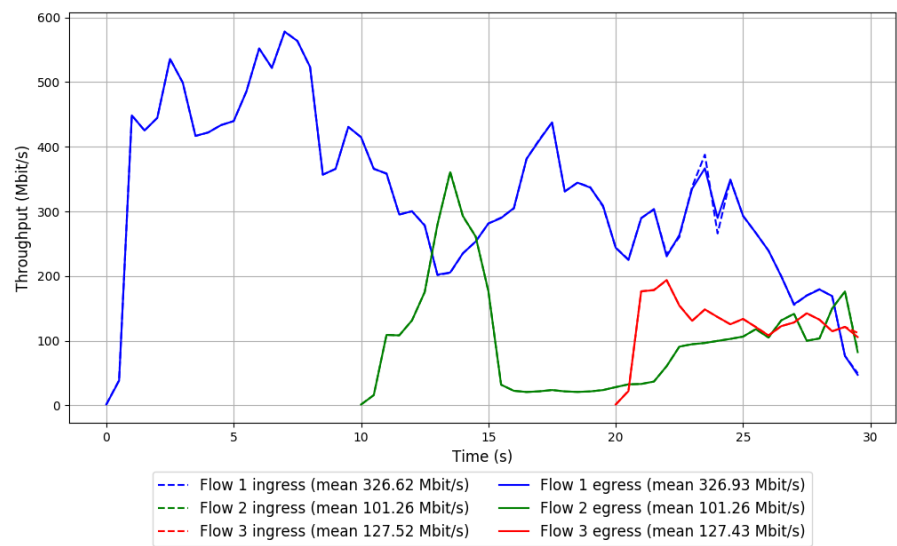


Run 1: Statistics of Vivace-latency

Start at: 2018-03-27 14:37:34
End at: 2018-03-27 14:38:04
Local clock offset: 4.844 ms
Remote clock offset: -4.912 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.95 Mbit/s
95th percentile per-packet one-way delay: 2.412 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 326.93 Mbit/s
95th percentile per-packet one-way delay: 4.918 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 101.26 Mbit/s
95th percentile per-packet one-way delay: 1.445 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 127.43 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.27%

Run 1: Report of Vivace-latency — Data Link

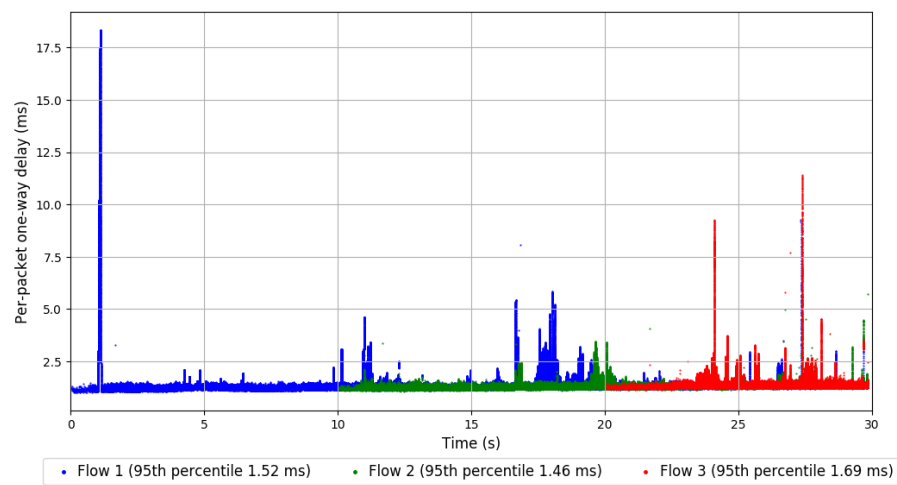
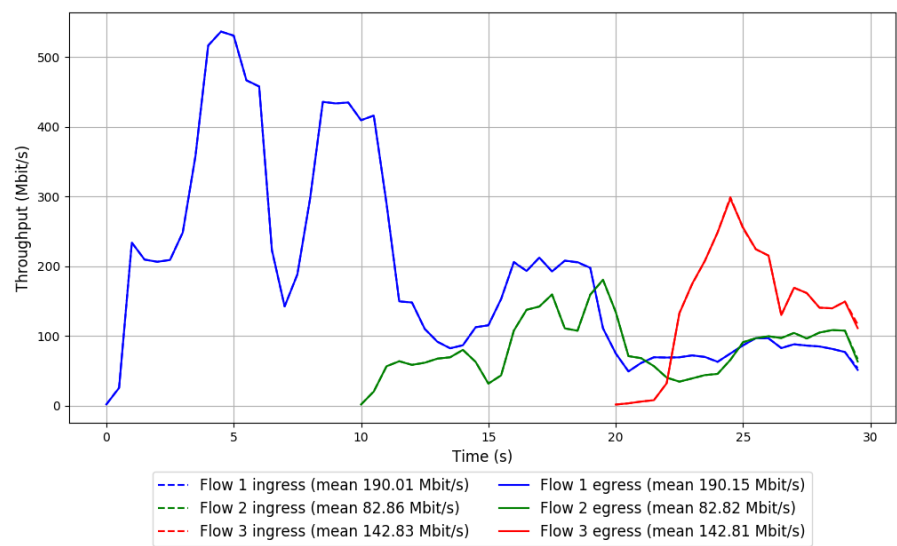


Run 2: Statistics of Vivace-latency

Start at: 2018-03-27 15:06:38
End at: 2018-03-27 15:07:08
Local clock offset: 1.609 ms
Remote clock offset: -4.041 ms

Below is generated by plot.py at 2018-03-28 02:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.11 Mbit/s
95th percentile per-packet one-way delay: 1.529 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 190.15 Mbit/s
95th percentile per-packet one-way delay: 1.521 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 1.456 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 142.81 Mbit/s
95th percentile per-packet one-way delay: 1.690 ms
Loss rate: 0.21%

Run 2: Report of Vivace-latency — Data Link

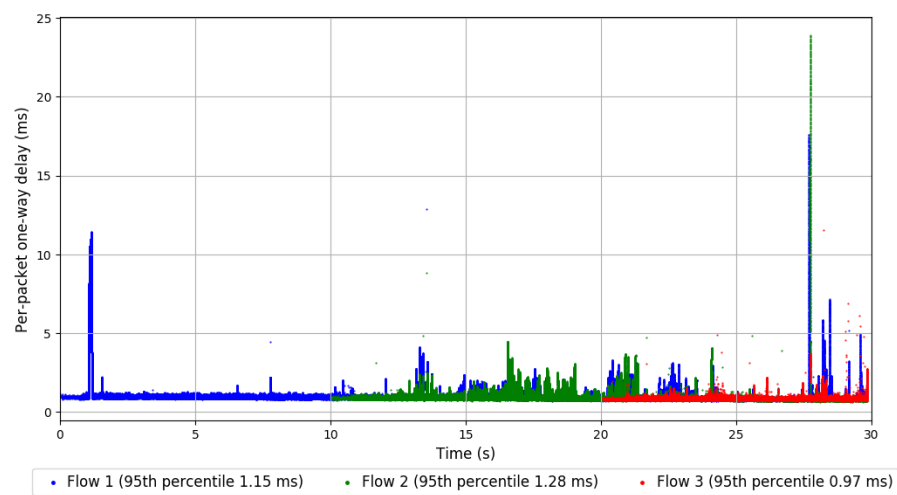
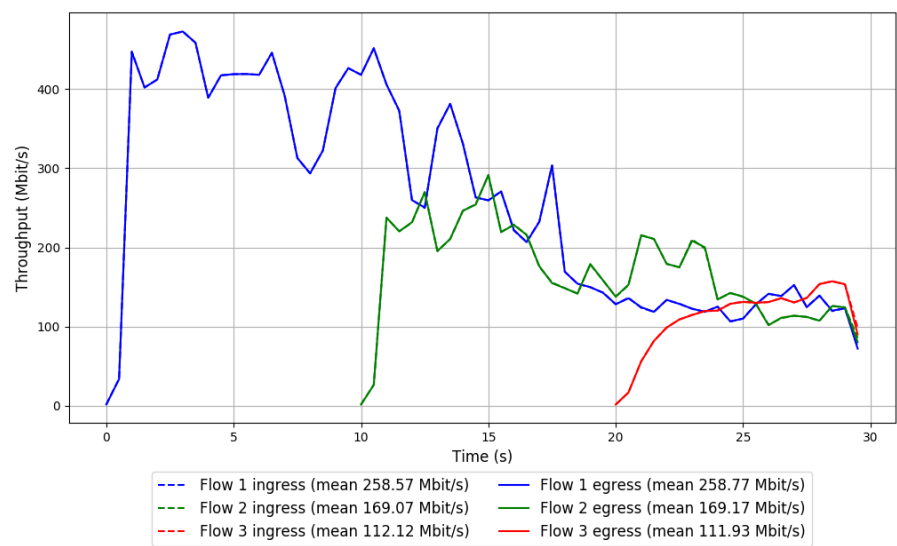


Run 3: Statistics of Vivace-latency

Start at: 2018-03-27 15:35:16
End at: 2018-03-27 15:35:46
Local clock offset: -2.436 ms
Remote clock offset: -4.927 ms

Below is generated by plot.py at 2018-03-28 02:10:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.94 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 258.77 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 169.17 Mbit/s
95th percentile per-packet one-way delay: 1.282 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 0.969 ms
Loss rate: 0.38%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-03-27 16:04:05

End at: 2018-03-27 16:04:35

Local clock offset: -0.485 ms

Remote clock offset: -5.86 ms

Below is generated by plot.py at 2018-03-28 02:10:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 330.28 Mbit/s

95th percentile per-packet one-way delay: 1.417 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 248.94 Mbit/s

95th percentile per-packet one-way delay: 1.544 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 1.188 ms

Loss rate: 0.16%

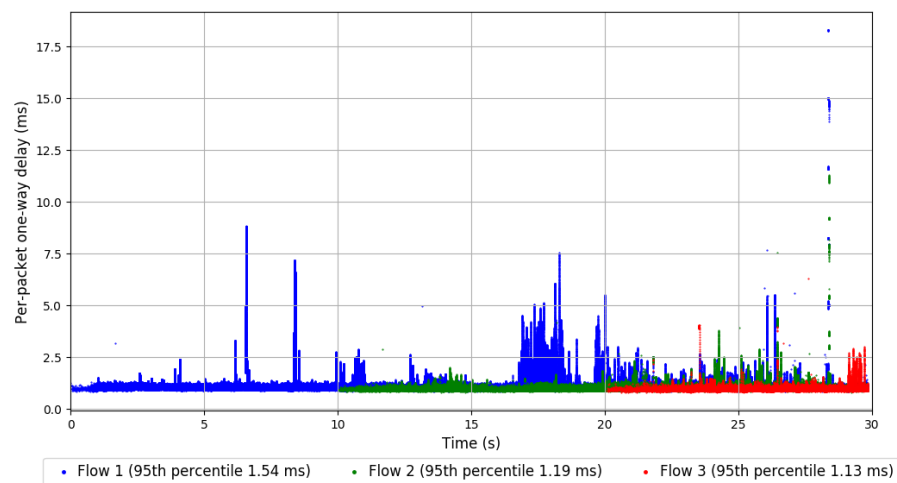
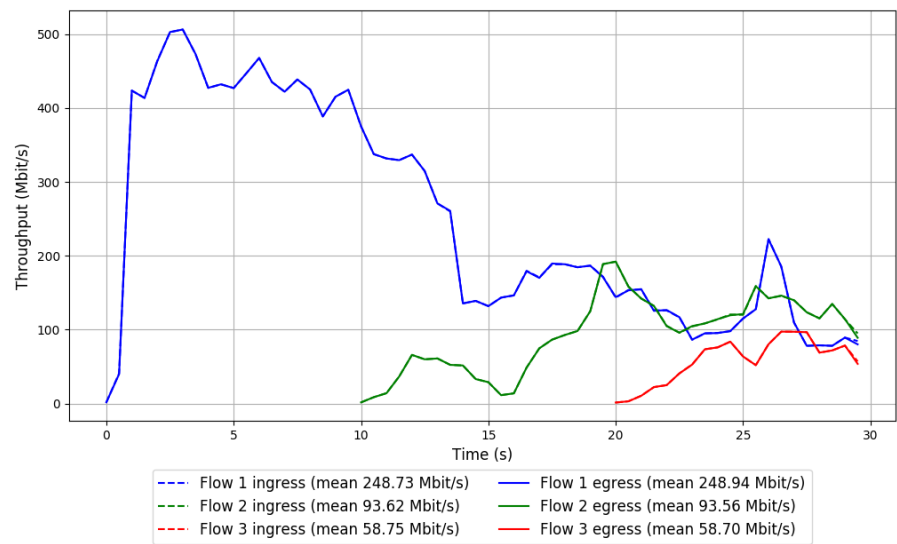
-- Flow 3:

Average throughput: 58.70 Mbit/s

95th percentile per-packet one-way delay: 1.128 ms

Loss rate: 0.29%

Run 4: Report of Vivace-latency — Data Link

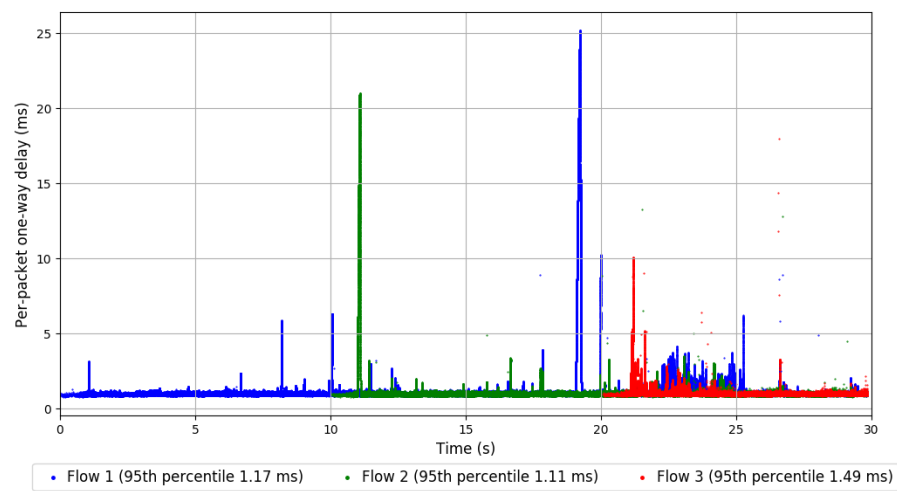
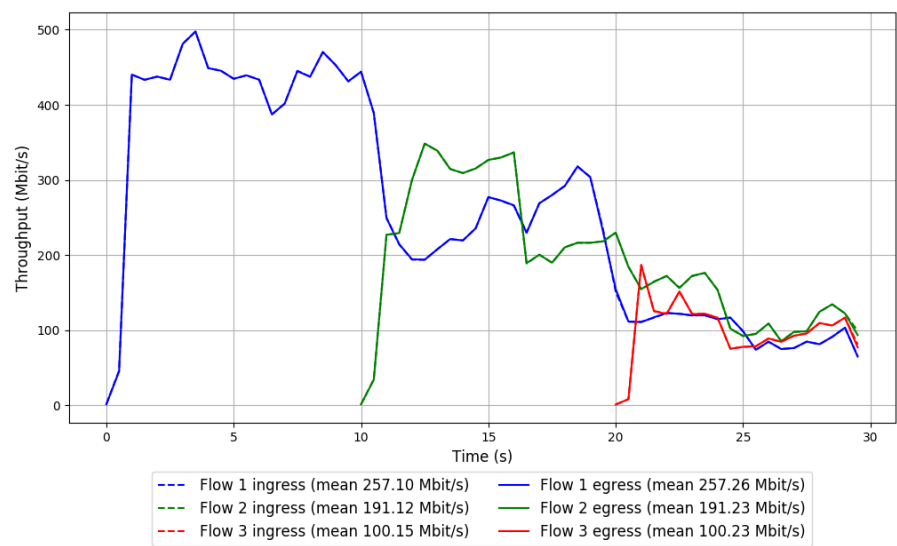


Run 5: Statistics of Vivace-latency

Start at: 2018-03-27 16:33:07
End at: 2018-03-27 16:33:37
Local clock offset: -0.625 ms
Remote clock offset: -5.044 ms

Below is generated by plot.py at 2018-03-28 02:10:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.98 Mbit/s
95th percentile per-packet one-way delay: 1.162 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 257.26 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 191.23 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 100.23 Mbit/s
95th percentile per-packet one-way delay: 1.488 ms
Loss rate: 0.21%

Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-27 17:02:03

End at: 2018-03-27 17:02:33

Local clock offset: 0.093 ms

Remote clock offset: -5.06 ms

Below is generated by plot.py at 2018-03-28 02:10:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.34 Mbit/s

95th percentile per-packet one-way delay: 1.438 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 226.89 Mbit/s

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

Loss rate: 0.02%

-- Flow 2:

Average throughput: 166.86 Mbit/s

95th percentile per-packet one-way delay: 2.069 ms

Loss rate: 0.06%

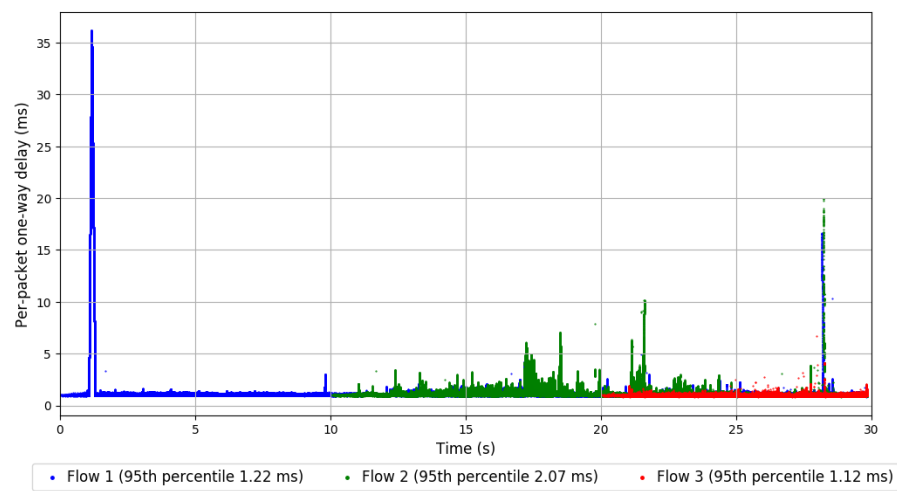
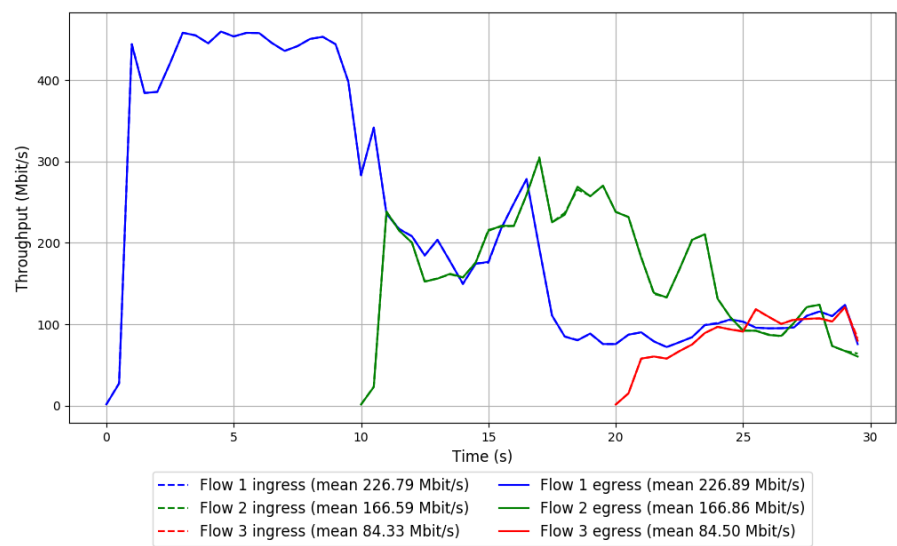
-- Flow 3:

Average throughput: 84.50 Mbit/s

95th percentile per-packet one-way delay: 1.124 ms

Loss rate: 0.21%

Run 6: Report of Vivace-latency — Data Link

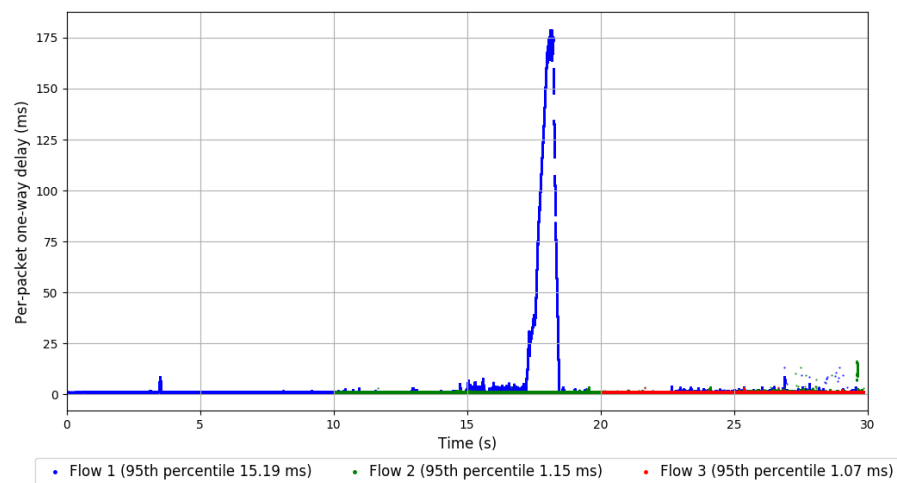
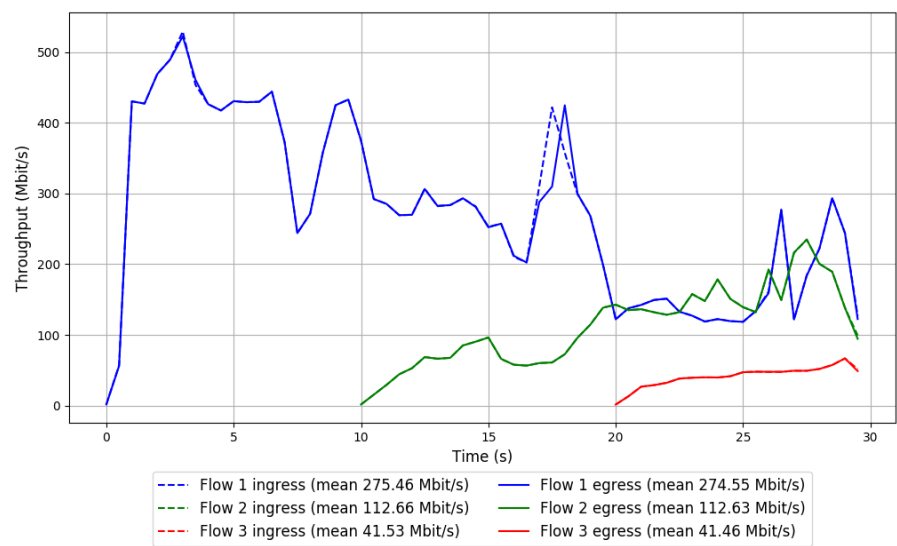


Run 7: Statistics of Vivace-latency

Start at: 2018-03-27 17:31:05
End at: 2018-03-27 17:31:35
Local clock offset: 1.266 ms
Remote clock offset: -5.631 ms

Below is generated by plot.py at 2018-03-28 02:11:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.98 Mbit/s
95th percentile per-packet one-way delay: 3.275 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 274.55 Mbit/s
95th percentile per-packet one-way delay: 15.194 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 112.63 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 41.46 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.37%

Run 7: Report of Vivace-latency — Data Link

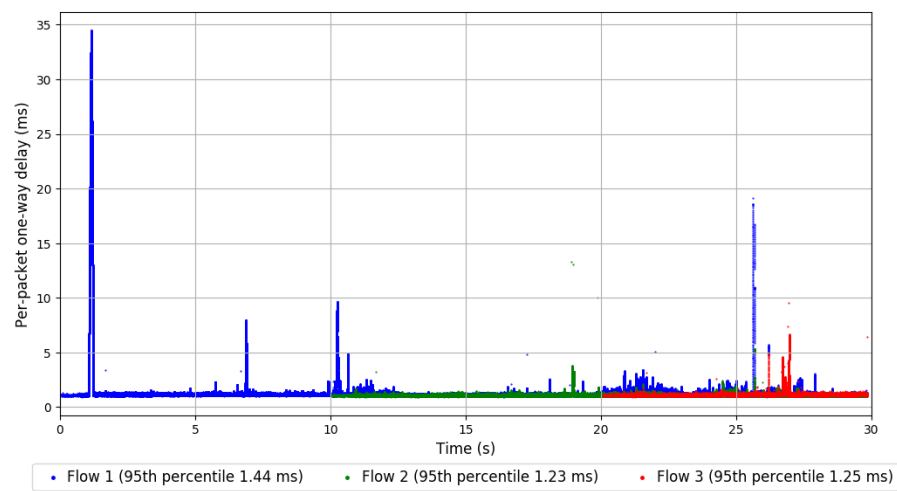
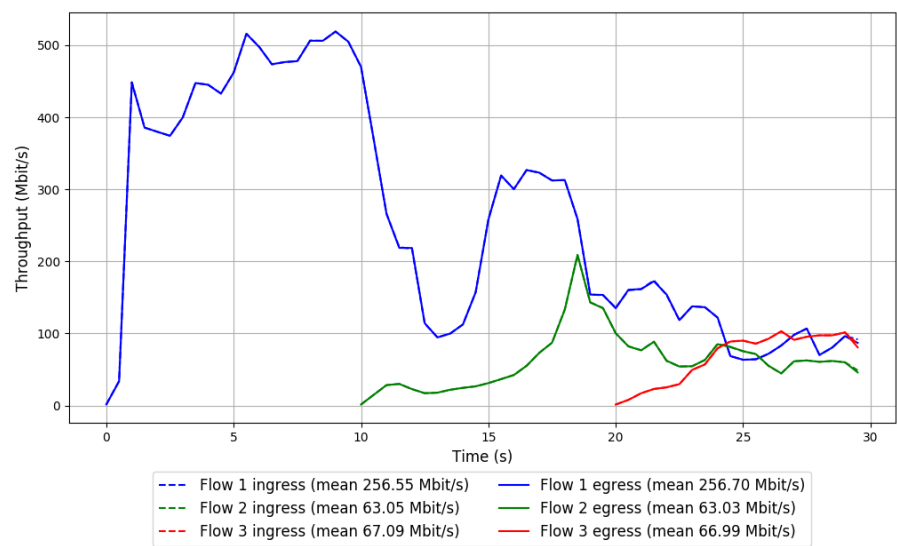


Run 8: Statistics of Vivace-latency

Start at: 2018-03-27 18:00:05
End at: 2018-03-27 18:00:35
Local clock offset: 1.264 ms
Remote clock offset: -4.796 ms

Below is generated by plot.py at 2018-03-28 02:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.53 Mbit/s
95th percentile per-packet one-way delay: 1.382 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 256.70 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.37%

Run 8: Report of Vivace-latency — Data Link

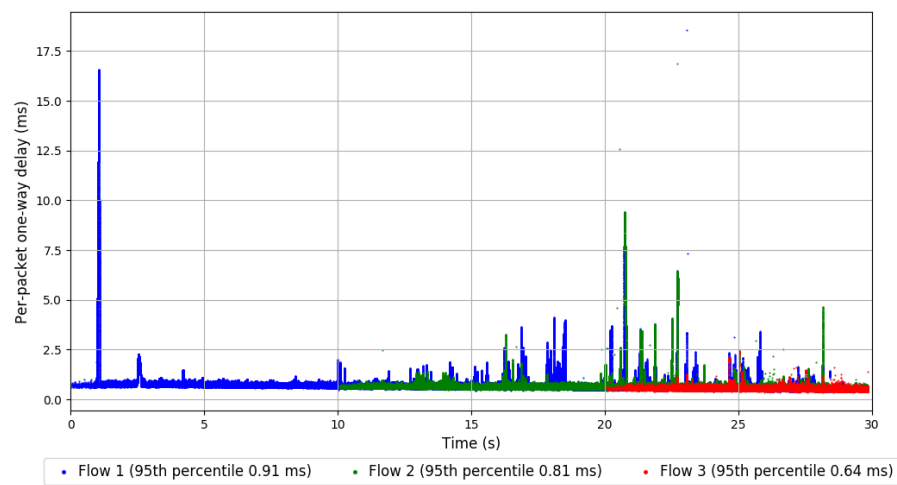
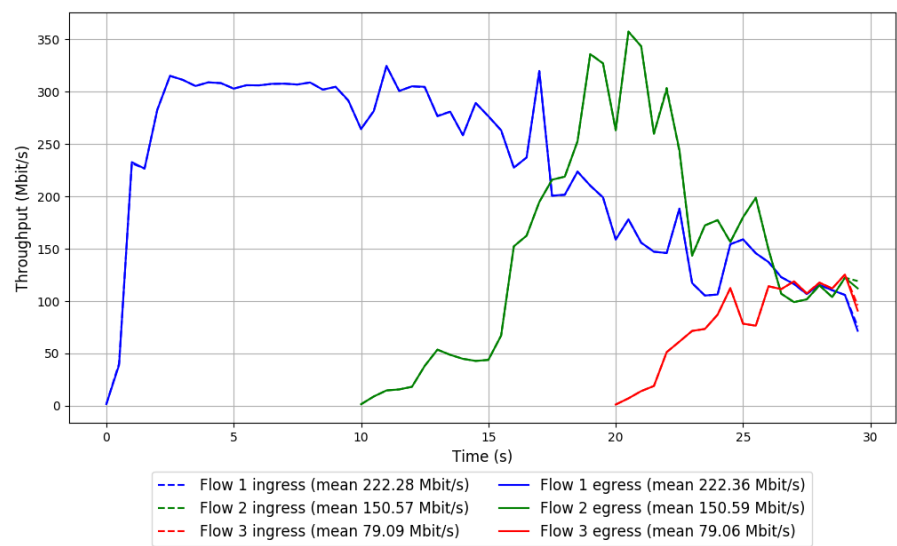


Run 9: Statistics of Vivace-latency

Start at: 2018-03-27 18:29:01
End at: 2018-03-27 18:29:31
Local clock offset: 3.9 ms
Remote clock offset: -6.024 ms

Below is generated by plot.py at 2018-03-28 02:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.30 Mbit/s
95th percentile per-packet one-way delay: 0.882 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 222.36 Mbit/s
95th percentile per-packet one-way delay: 0.910 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 150.59 Mbit/s
95th percentile per-packet one-way delay: 0.809 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 79.06 Mbit/s
95th percentile per-packet one-way delay: 0.643 ms
Loss rate: 0.34%

Run 9: Report of Vivace-latency — Data Link

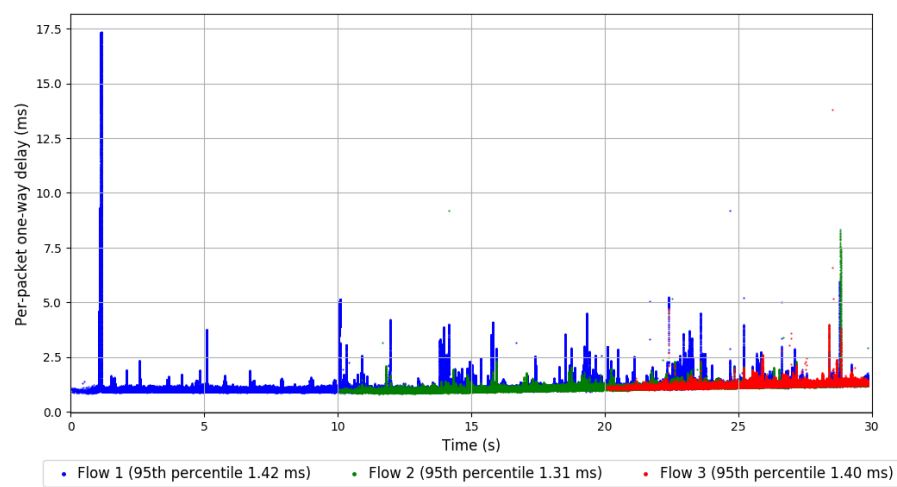
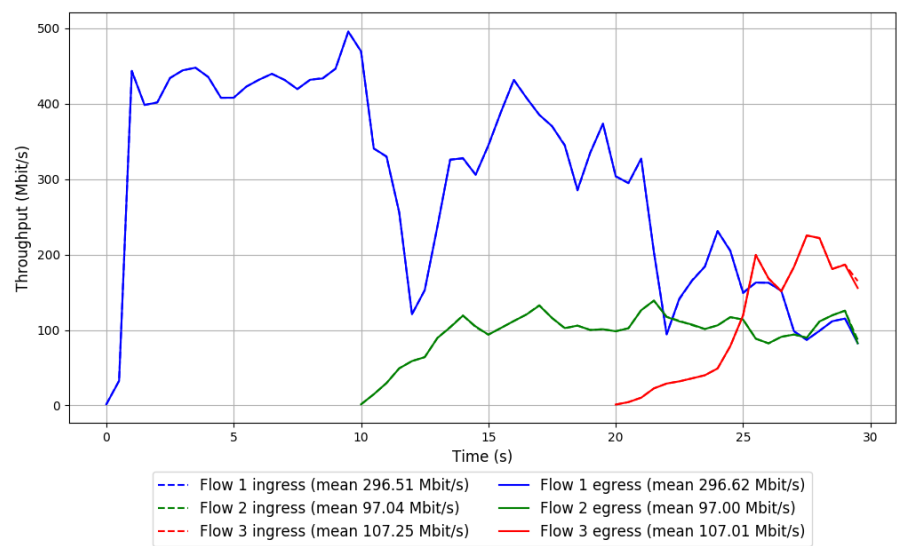


Run 10: Statistics of Vivace-latency

Start at: 2018-03-27 18:57:56
End at: 2018-03-27 18:58:26
Local clock offset: 10.074 ms
Remote clock offset: -5.903 ms

Below is generated by plot.py at 2018-03-28 02:14:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.12 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 296.62 Mbit/s
95th percentile per-packet one-way delay: 1.417 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 97.00 Mbit/s
95th percentile per-packet one-way delay: 1.309 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 107.01 Mbit/s
95th percentile per-packet one-way delay: 1.395 ms
Loss rate: 0.47%

Run 10: Report of Vivace-latency — Data Link

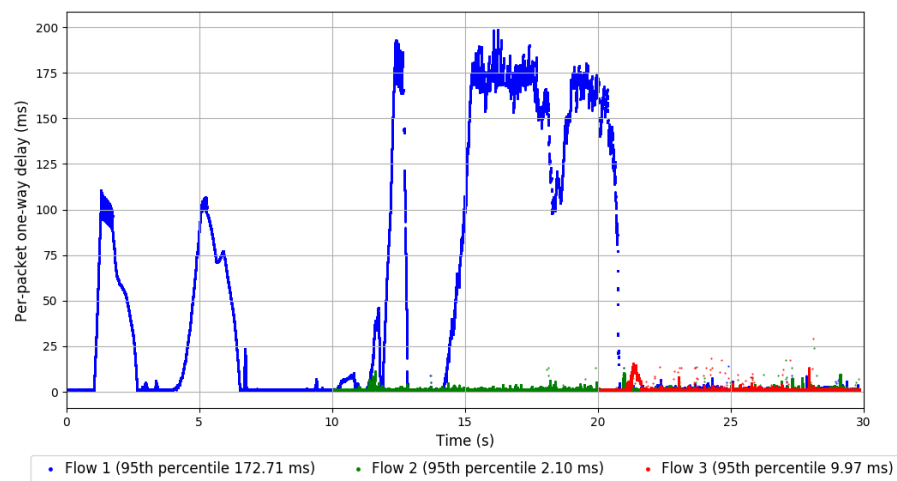
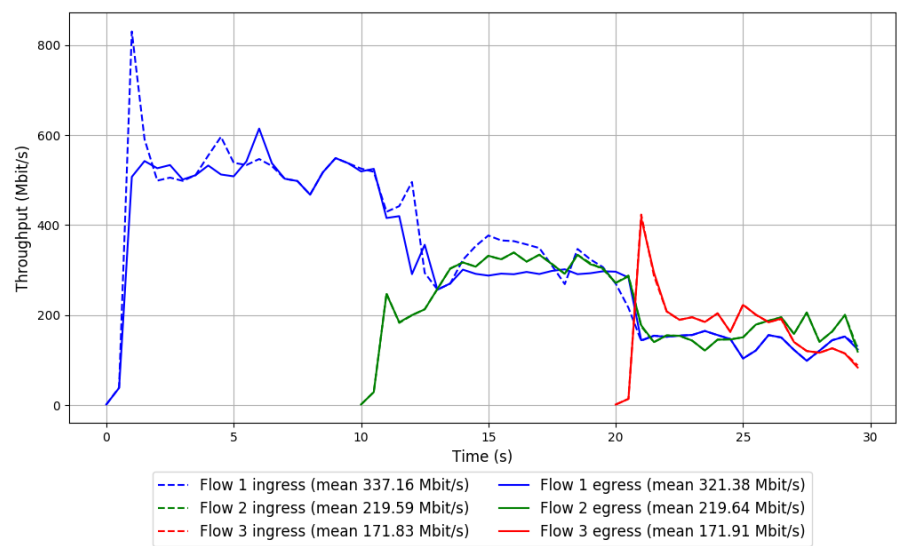


Run 1: Statistics of Vivace-loss

Start at: 2018-03-27 14:25:27
End at: 2018-03-27 14:25:57
Local clock offset: 5.025 ms
Remote clock offset: -5.108 ms

Below is generated by plot.py at 2018-03-28 02:17:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 523.66 Mbit/s
95th percentile per-packet one-way delay: 168.998 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 321.38 Mbit/s
95th percentile per-packet one-way delay: 172.707 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 219.64 Mbit/s
95th percentile per-packet one-way delay: 2.098 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 171.91 Mbit/s
95th percentile per-packet one-way delay: 9.971 ms
Loss rate: 0.15%

Run 1: Report of Vivace-loss — Data Link

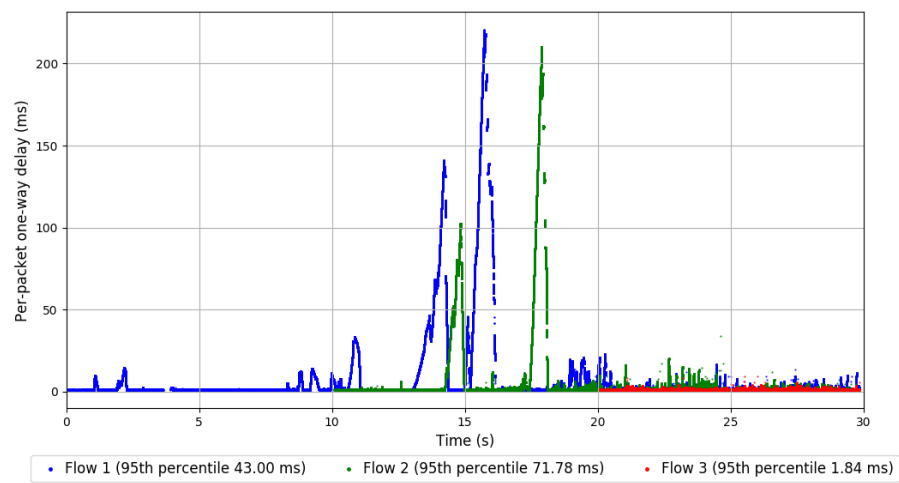
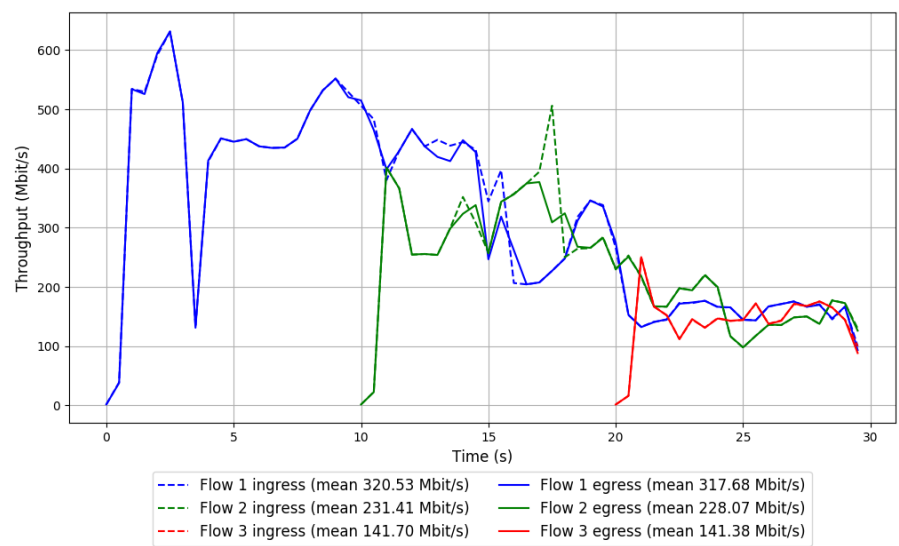


Run 2: Statistics of Vivace-loss

Start at: 2018-03-27 14:54:30
End at: 2018-03-27 14:55:00
Local clock offset: 5.039 ms
Remote clock offset: -4.478 ms

Below is generated by plot.py at 2018-03-28 02:18:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 515.46 Mbit/s
95th percentile per-packet one-way delay: 44.329 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 317.68 Mbit/s
95th percentile per-packet one-way delay: 43.003 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 228.07 Mbit/s
95th percentile per-packet one-way delay: 71.780 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 141.38 Mbit/s
95th percentile per-packet one-way delay: 1.837 ms
Loss rate: 0.42%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-03-27 15:23:10

End at: 2018-03-27 15:23:40

Local clock offset: -1.796 ms

Remote clock offset: -4.64 ms

Below is generated by plot.py at 2018-03-28 02:18:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 490.78 Mbit/s

95th percentile per-packet one-way delay: 76.646 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 293.30 Mbit/s

95th percentile per-packet one-way delay: 93.748 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 208.14 Mbit/s

95th percentile per-packet one-way delay: 4.510 ms

Loss rate: 0.07%

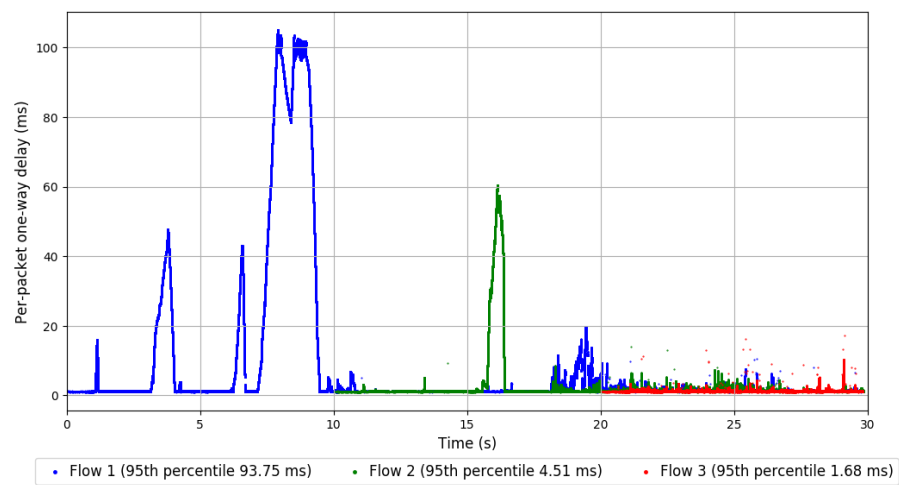
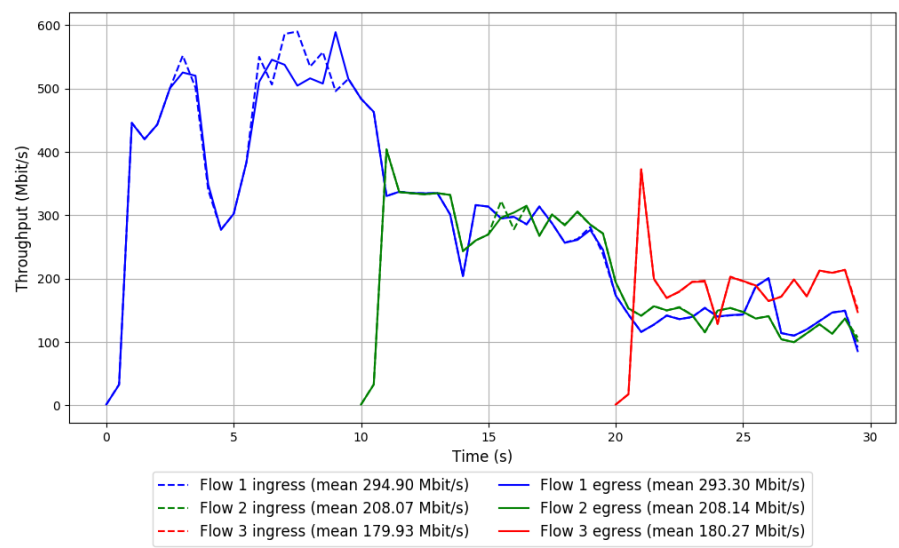
-- Flow 3:

Average throughput: 180.27 Mbit/s

95th percentile per-packet one-way delay: 1.678 ms

Loss rate: 0.16%

Run 3: Report of Vivace-loss — Data Link

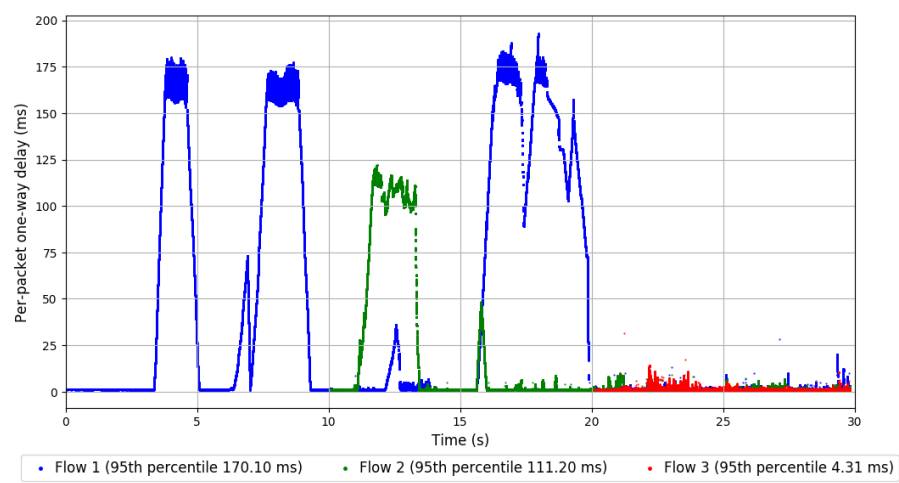
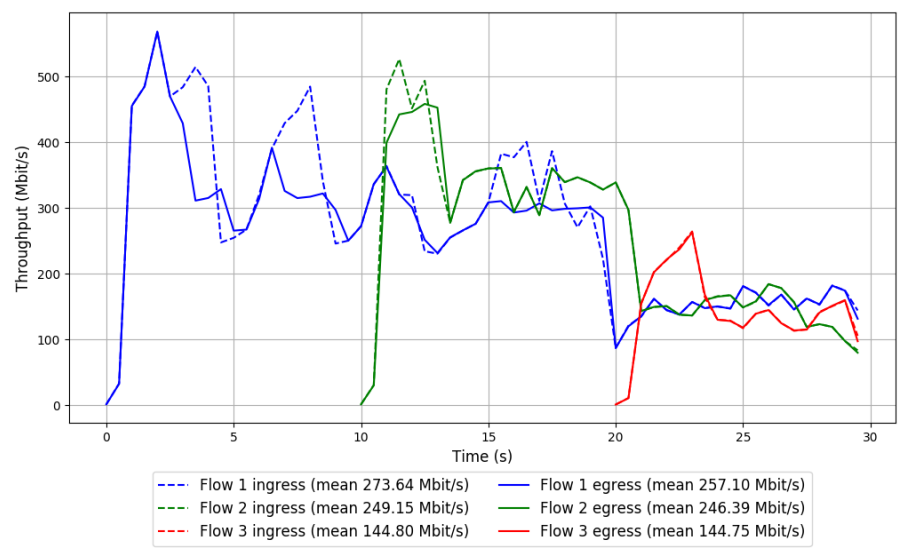


Run 4: Statistics of Vivace-loss

Start at: 2018-03-27 15:51:57
End at: 2018-03-27 15:52:27
Local clock offset: -0.305 ms
Remote clock offset: -5.378 ms

Below is generated by plot.py at 2018-03-28 02:18:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 468.04 Mbit/s
95th percentile per-packet one-way delay: 165.041 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 257.10 Mbit/s
95th percentile per-packet one-way delay: 170.100 ms
Loss rate: 6.11%
-- Flow 2:
Average throughput: 246.39 Mbit/s
95th percentile per-packet one-way delay: 111.199 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 144.75 Mbit/s
95th percentile per-packet one-way delay: 4.313 ms
Loss rate: 0.30%

Run 4: Report of Vivace-loss — Data Link

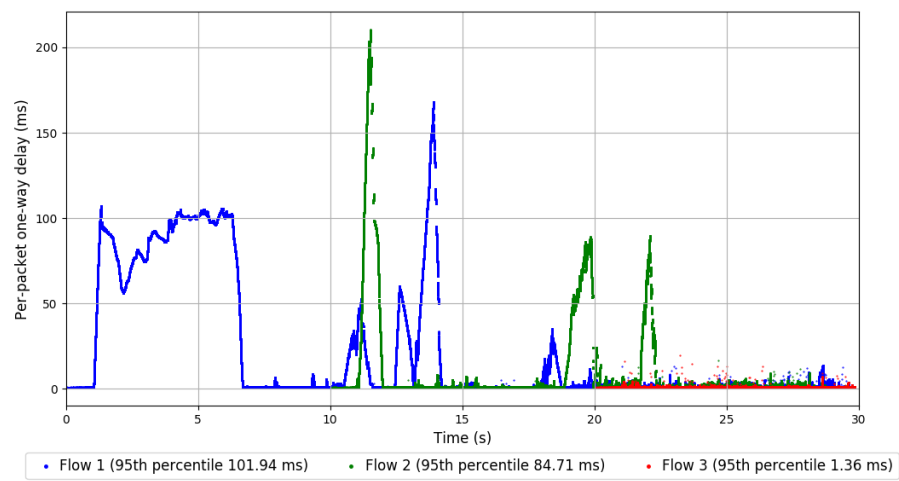
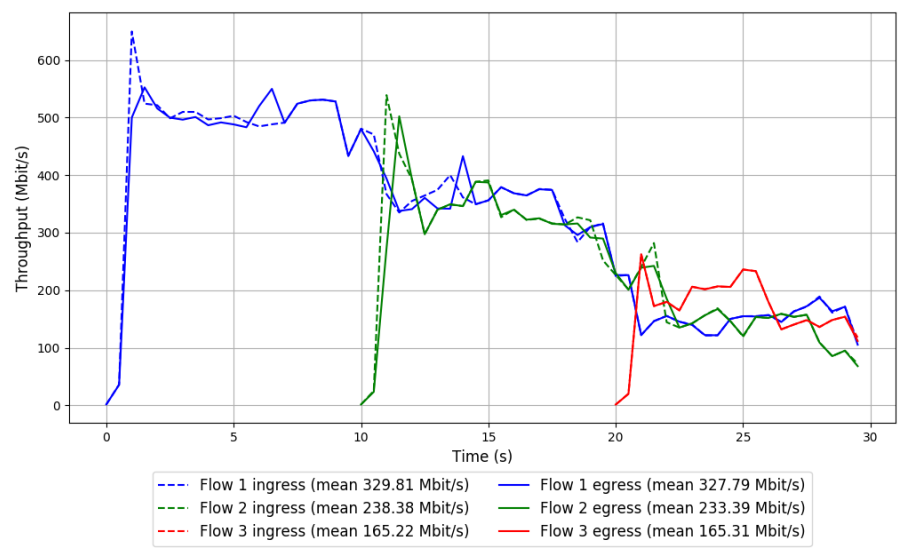


Run 5: Statistics of Vivace-loss

Start at: 2018-03-27 16:20:53
End at: 2018-03-27 16:21:23
Local clock offset: -0.407 ms
Remote clock offset: -6.018 ms

Below is generated by plot.py at 2018-03-28 02:19:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 536.95 Mbit/s
95th percentile per-packet one-way delay: 100.991 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 327.79 Mbit/s
95th percentile per-packet one-way delay: 101.944 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 233.39 Mbit/s
95th percentile per-packet one-way delay: 84.713 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 165.31 Mbit/s
95th percentile per-packet one-way delay: 1.361 ms
Loss rate: 0.20%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-03-27 16:49:54

End at: 2018-03-27 16:50:24

Local clock offset: -0.137 ms

Remote clock offset: -4.42 ms

Below is generated by plot.py at 2018-03-28 02:19:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 485.46 Mbit/s

95th percentile per-packet one-way delay: 4.131 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 288.73 Mbit/s

95th percentile per-packet one-way delay: 2.263 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 224.29 Mbit/s

95th percentile per-packet one-way delay: 32.213 ms

Loss rate: 0.11%

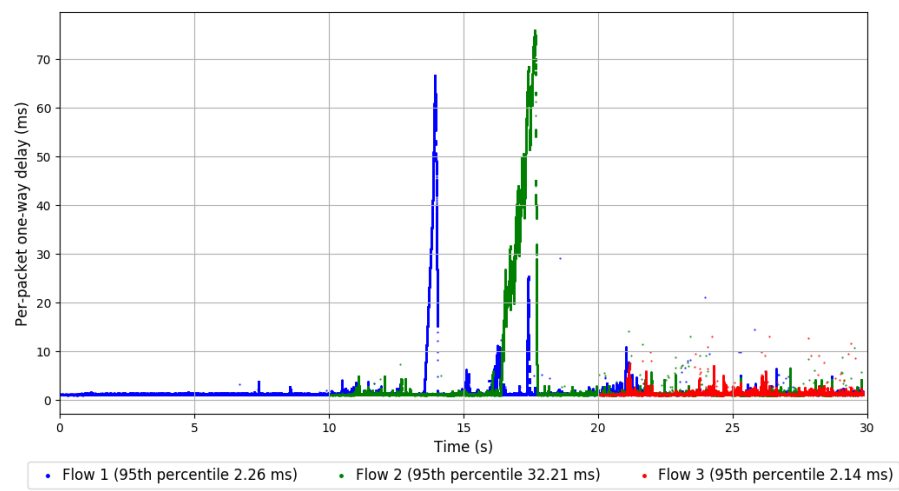
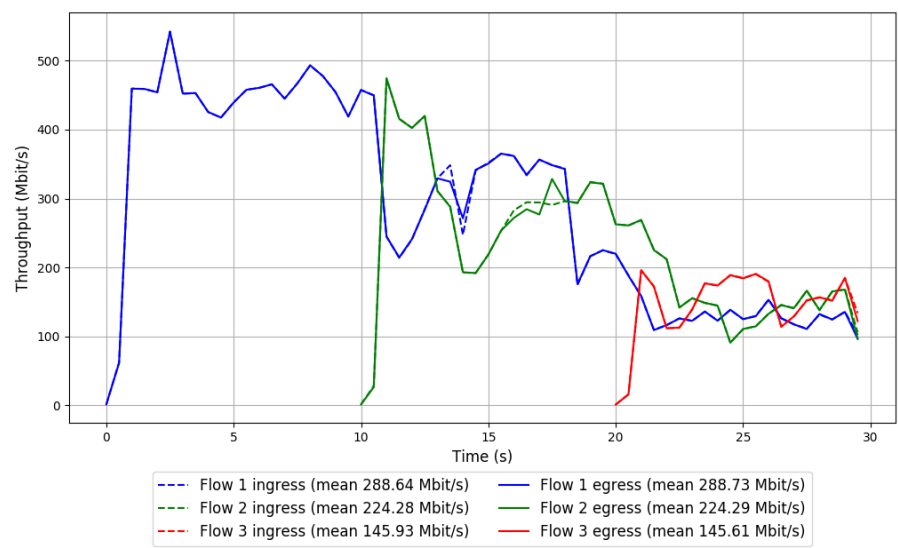
-- Flow 3:

Average throughput: 145.61 Mbit/s

95th percentile per-packet one-way delay: 2.141 ms

Loss rate: 0.43%

Run 6: Report of Vivace-loss — Data Link

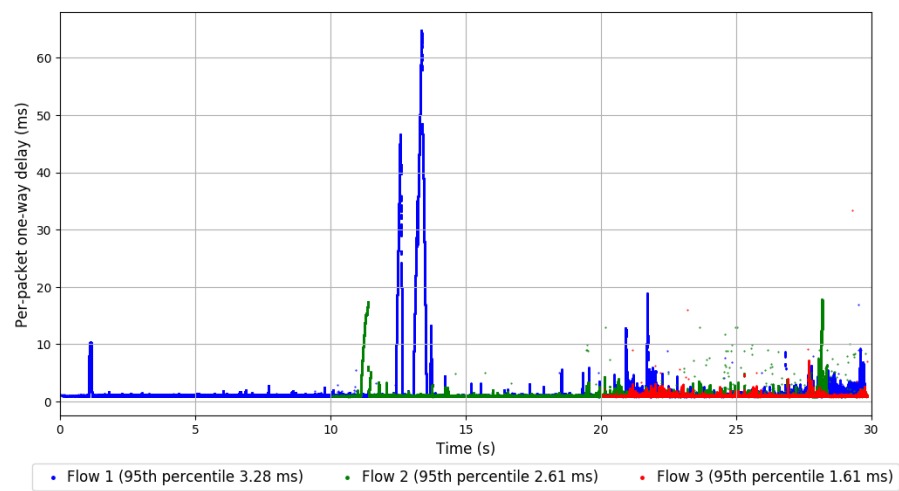
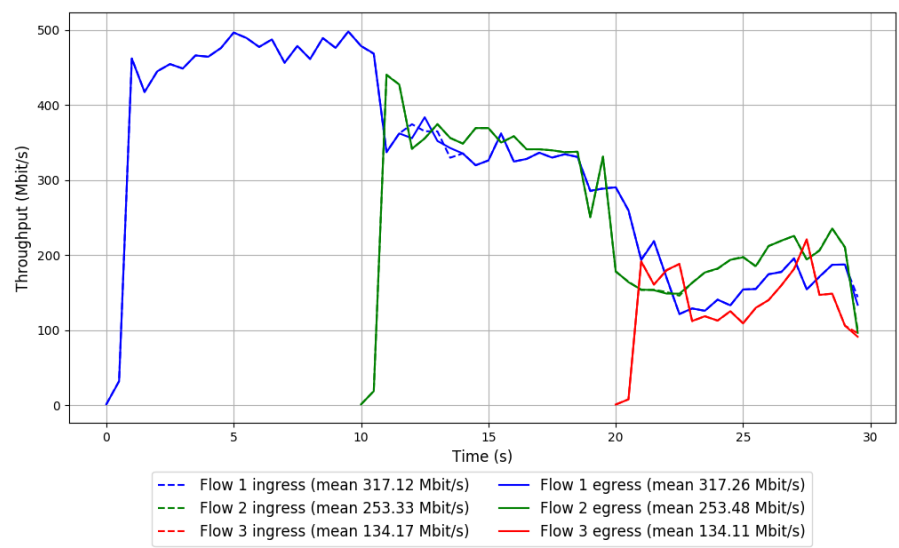


Run 7: Statistics of Vivace-loss

Start at: 2018-03-27 17:18:53
End at: 2018-03-27 17:19:23
Local clock offset: 0.389 ms
Remote clock offset: -5.765 ms

Below is generated by plot.py at 2018-03-28 02:21:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.47 Mbit/s
95th percentile per-packet one-way delay: 2.674 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 317.26 Mbit/s
95th percentile per-packet one-way delay: 3.276 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 253.48 Mbit/s
95th percentile per-packet one-way delay: 2.608 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 134.11 Mbit/s
95th percentile per-packet one-way delay: 1.611 ms
Loss rate: 0.18%

Run 7: Report of Vivace-loss — Data Link

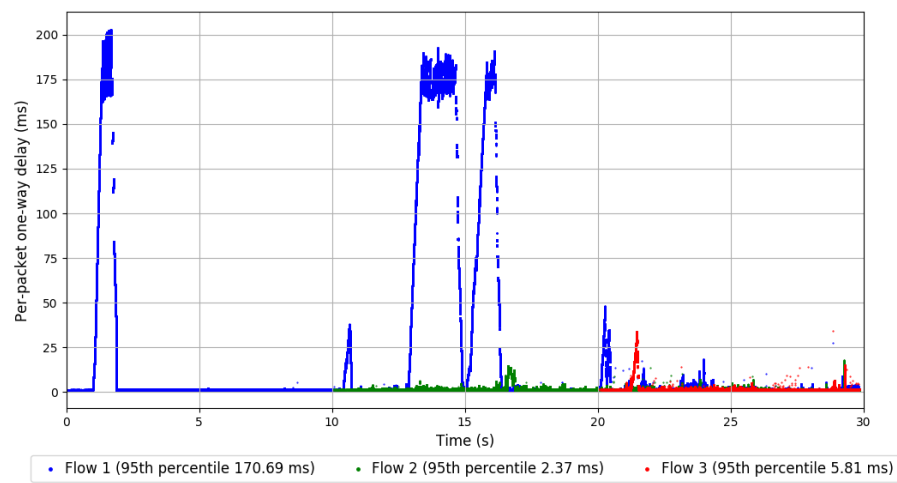
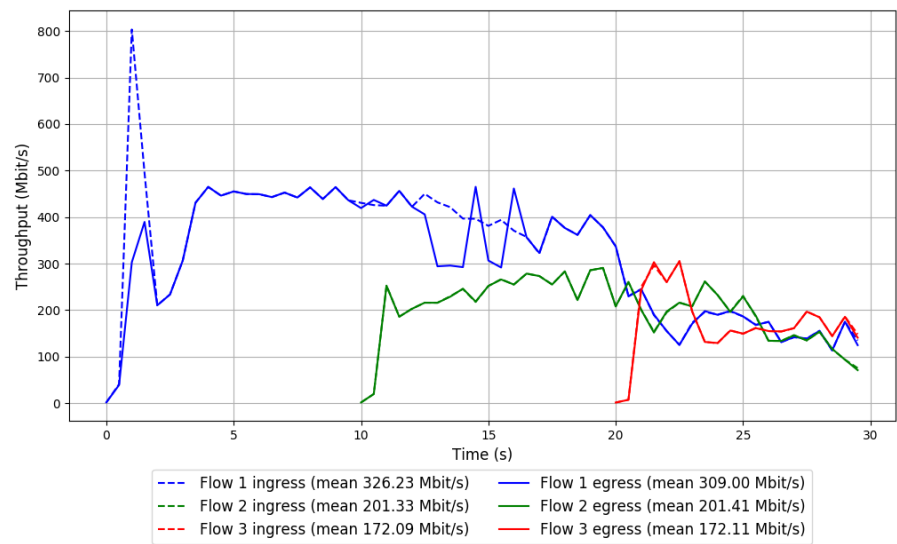


Run 8: Statistics of Vivace-loss

Start at: 2018-03-27 17:47:53
End at: 2018-03-27 17:48:23
Local clock offset: 1.743 ms
Remote clock offset: -5.057 ms

Below is generated by plot.py at 2018-03-28 02:22:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.10 Mbit/s
95th percentile per-packet one-way delay: 137.883 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 309.00 Mbit/s
95th percentile per-packet one-way delay: 170.685 ms
Loss rate: 5.37%
-- Flow 2:
Average throughput: 201.41 Mbit/s
95th percentile per-packet one-way delay: 2.371 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 172.11 Mbit/s
95th percentile per-packet one-way delay: 5.807 ms
Loss rate: 0.25%

Run 8: Report of Vivace-loss — Data Link

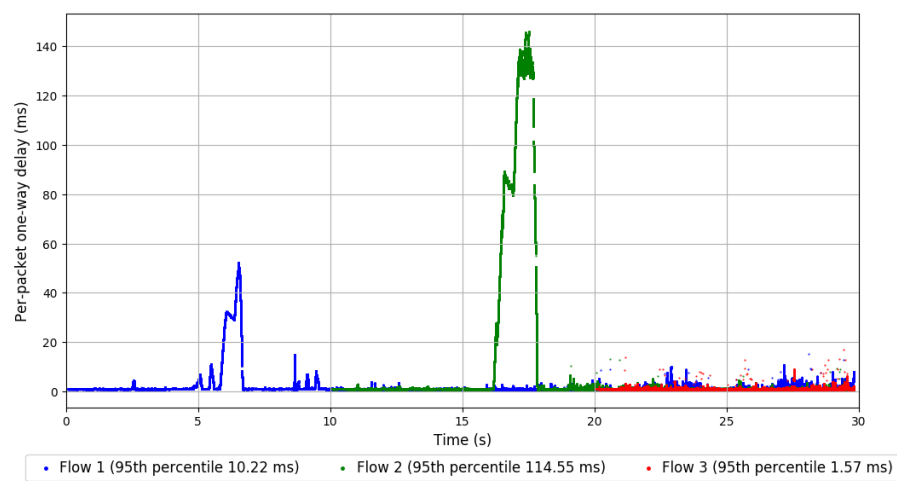
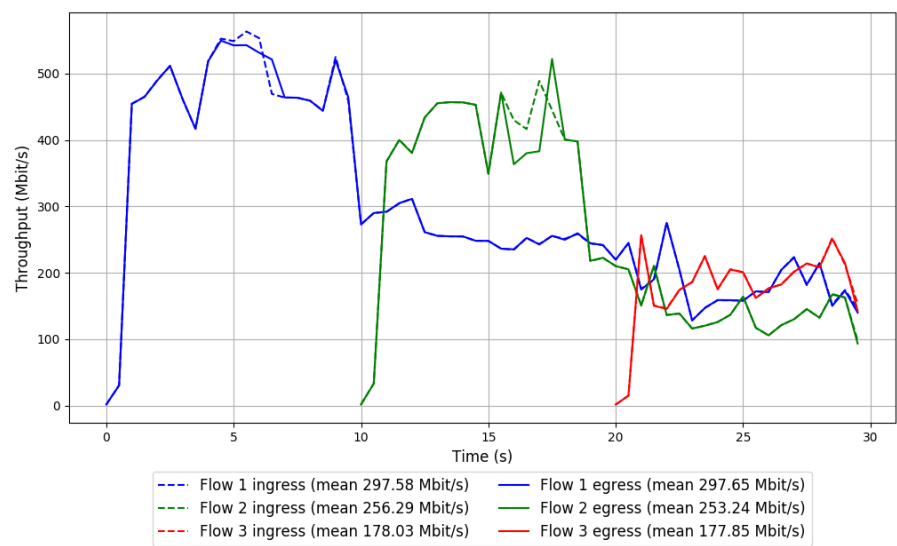


Run 9: Statistics of Vivace-loss

Start at: 2018-03-27 18:16:52
End at: 2018-03-27 18:17:22
Local clock offset: 1.041 ms
Remote clock offset: -5.729 ms

Below is generated by plot.py at 2018-03-28 02:25:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 524.33 Mbit/s
95th percentile per-packet one-way delay: 31.355 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 297.65 Mbit/s
95th percentile per-packet one-way delay: 10.225 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 253.24 Mbit/s
95th percentile per-packet one-way delay: 114.554 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 177.85 Mbit/s
95th percentile per-packet one-way delay: 1.574 ms
Loss rate: 0.30%

Run 9: Report of Vivace-loss — Data Link

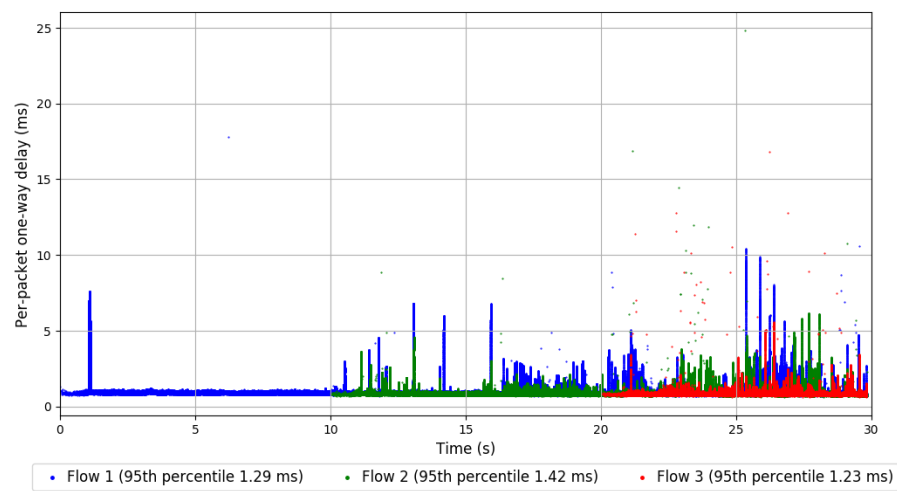
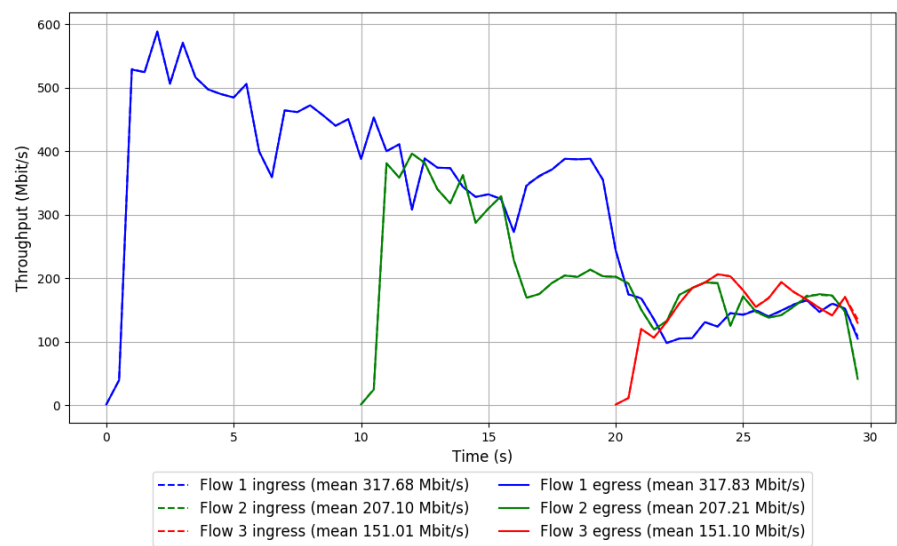


Run 10: Statistics of Vivace-loss

Start at: 2018-03-27 18:45:45
End at: 2018-03-27 18:46:15
Local clock offset: 8.514 ms
Remote clock offset: -5.927 ms

Below is generated by plot.py at 2018-03-28 02:25:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 505.03 Mbit/s
95th percentile per-packet one-way delay: 1.324 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 317.83 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 207.21 Mbit/s
95th percentile per-packet one-way delay: 1.421 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 151.10 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.20%

Run 10: Report of Vivace-loss — Data Link

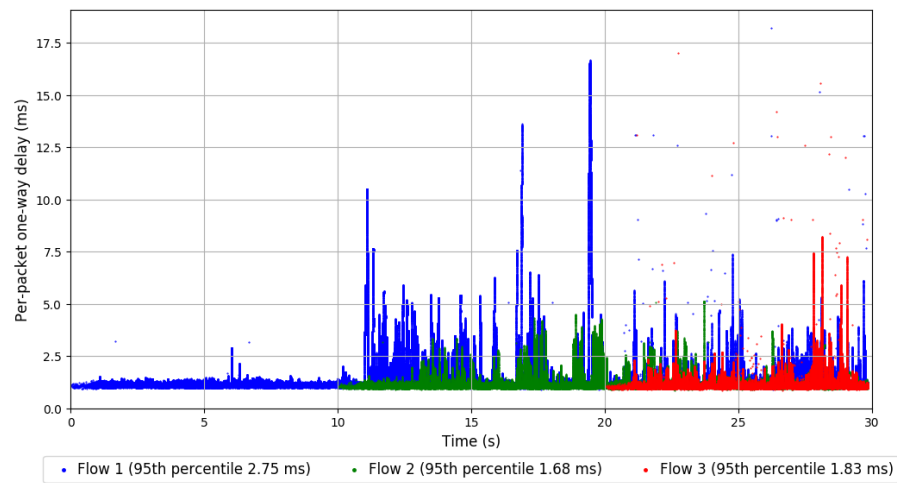
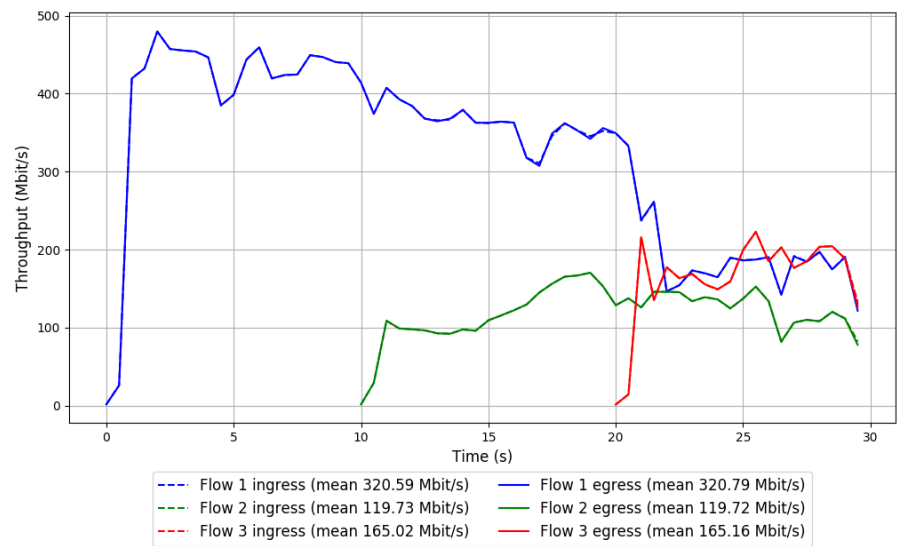


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-27 14:19:19
End at: 2018-03-27 14:19:49
Local clock offset: 4.821 ms
Remote clock offset: -5.263 ms

Below is generated by plot.py at 2018-03-28 02:25:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.55 Mbit/s
95th percentile per-packet one-way delay: 2.405 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 320.79 Mbit/s
95th percentile per-packet one-way delay: 2.749 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 119.72 Mbit/s
95th percentile per-packet one-way delay: 1.683 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 165.16 Mbit/s
95th percentile per-packet one-way delay: 1.831 ms
Loss rate: 0.19%

Run 1: Report of Vivace-LTE — Data Link

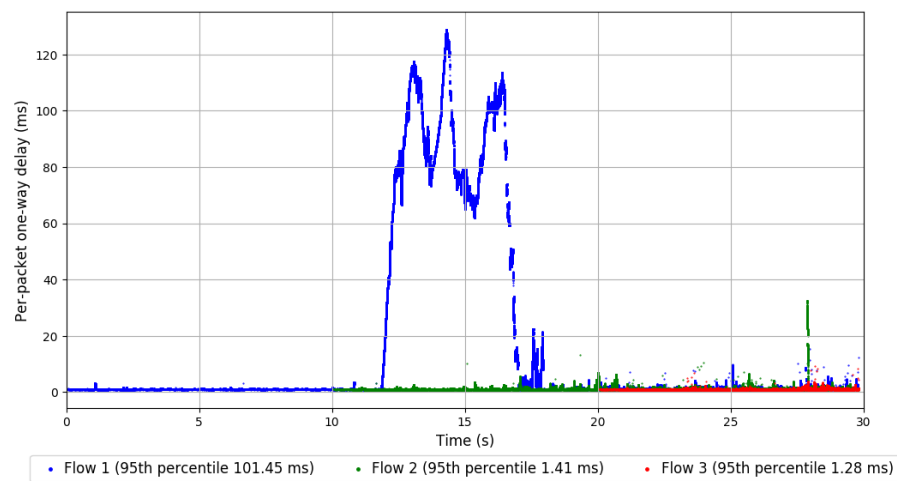
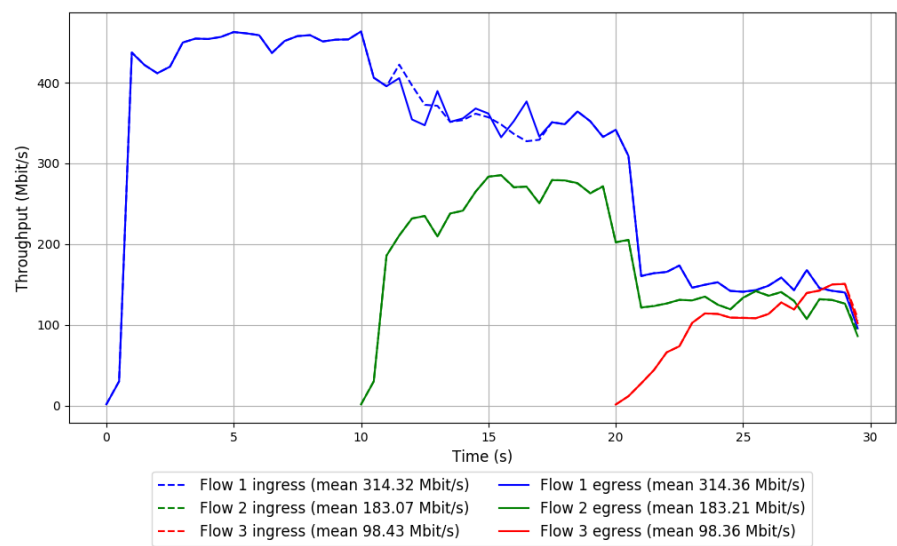


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-27 14:48:14
End at: 2018-03-27 14:48:44
Local clock offset: 4.886 ms
Remote clock offset: -4.532 ms

Below is generated by plot.py at 2018-03-28 02:25:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 468.33 Mbit/s
95th percentile per-packet one-way delay: 93.495 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 314.36 Mbit/s
95th percentile per-packet one-way delay: 101.449 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 183.21 Mbit/s
95th percentile per-packet one-way delay: 1.408 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 98.36 Mbit/s
95th percentile per-packet one-way delay: 1.279 ms
Loss rate: 0.36%

Run 2: Report of Vivace-LTE — Data Link

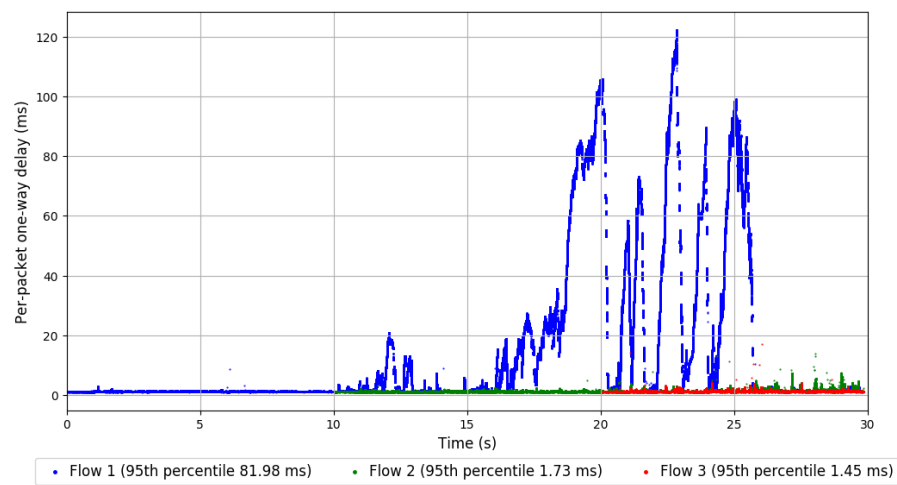
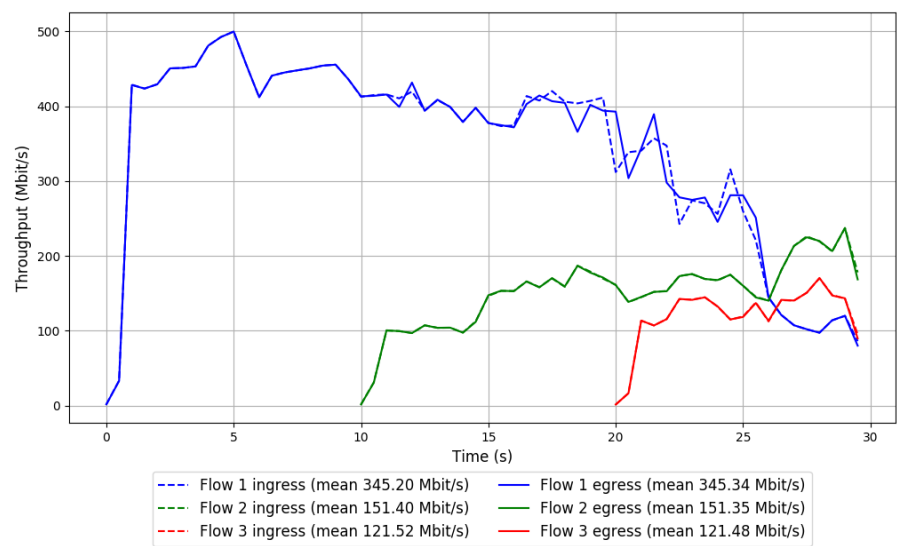


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-27 15:16:58
End at: 2018-03-27 15:17:28
Local clock offset: -0.831 ms
Remote clock offset: -4.245 ms

Below is generated by plot.py at 2018-03-28 02:26:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.76 Mbit/s
95th percentile per-packet one-way delay: 76.020 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 345.34 Mbit/s
95th percentile per-packet one-way delay: 81.980 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 151.35 Mbit/s
95th percentile per-packet one-way delay: 1.733 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 121.48 Mbit/s
95th percentile per-packet one-way delay: 1.447 ms
Loss rate: 0.24%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-03-27 15:45:41

End at: 2018-03-27 15:46:11

Local clock offset: -0.635 ms

Remote clock offset: -4.92 ms

Below is generated by plot.py at 2018-03-28 02:26:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.20 Mbit/s

95th percentile per-packet one-way delay: 32.376 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 344.13 Mbit/s

95th percentile per-packet one-way delay: 37.158 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 88.99 Mbit/s

95th percentile per-packet one-way delay: 1.161 ms

Loss rate: 0.16%

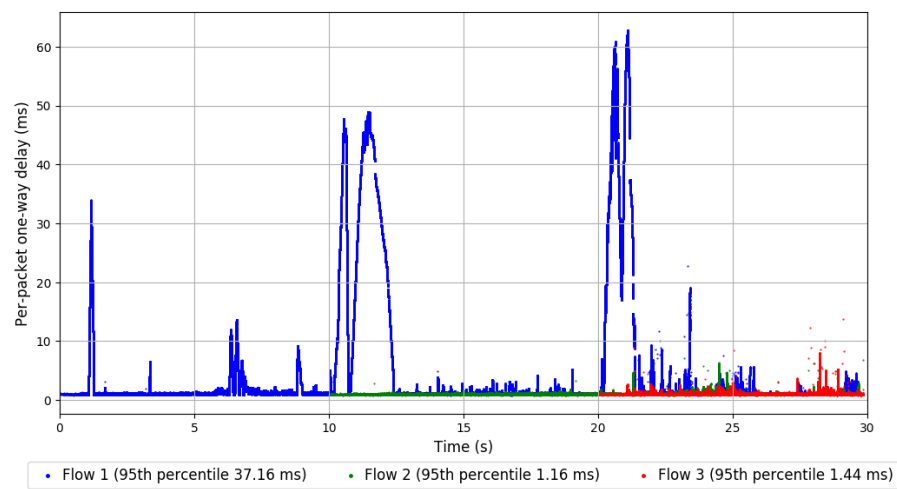
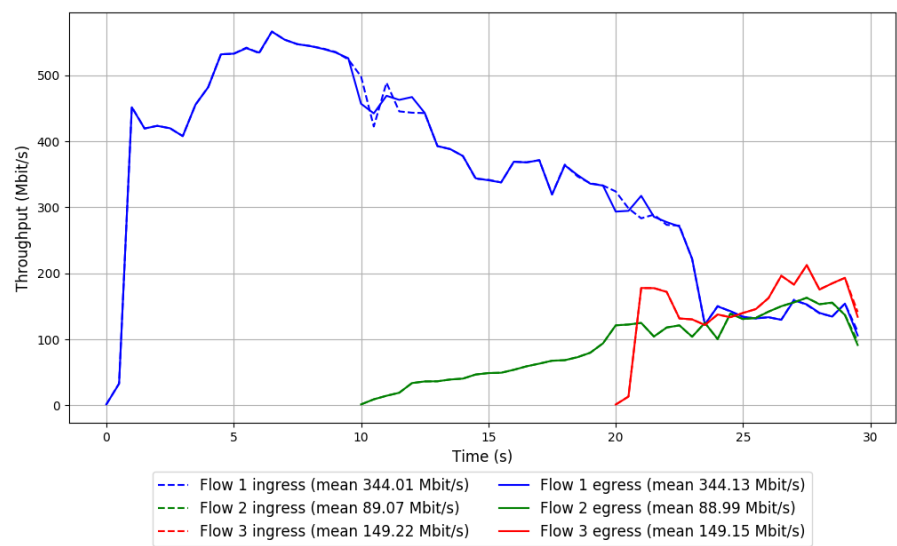
-- Flow 3:

Average throughput: 149.15 Mbit/s

95th percentile per-packet one-way delay: 1.438 ms

Loss rate: 0.26%

Run 4: Report of Vivace-LTE — Data Link

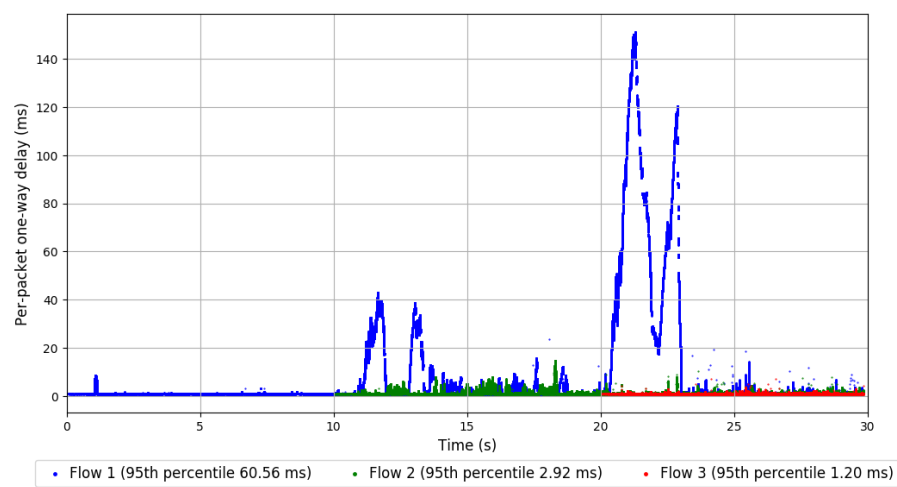
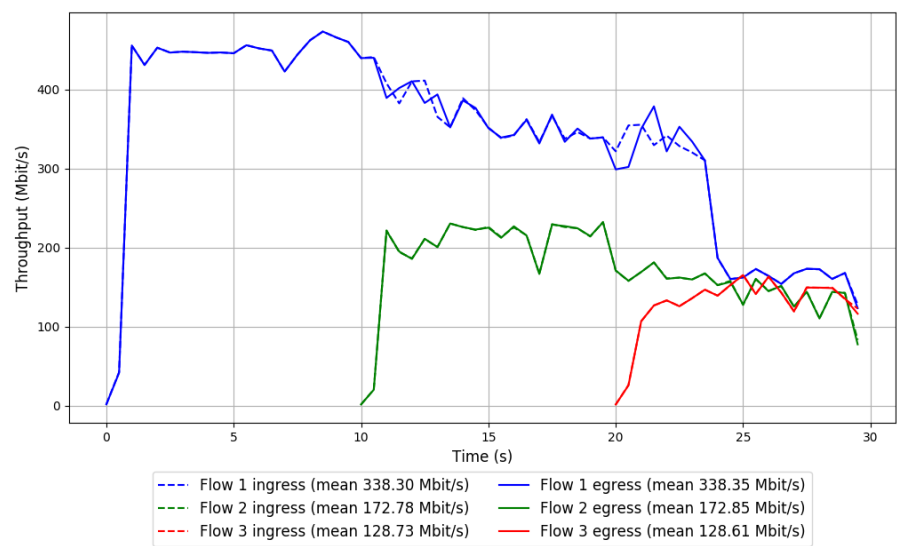


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-27 16:14:36
End at: 2018-03-27 16:15:06
Local clock offset: -0.386 ms
Remote clock offset: -6.007 ms

Below is generated by plot.py at 2018-03-28 02:28:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 495.40 Mbit/s
95th percentile per-packet one-way delay: 36.452 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 338.35 Mbit/s
95th percentile per-packet one-way delay: 60.565 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 172.85 Mbit/s
95th percentile per-packet one-way delay: 2.915 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 128.61 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.26%

Run 5: Report of Vivace-LTE — Data Link

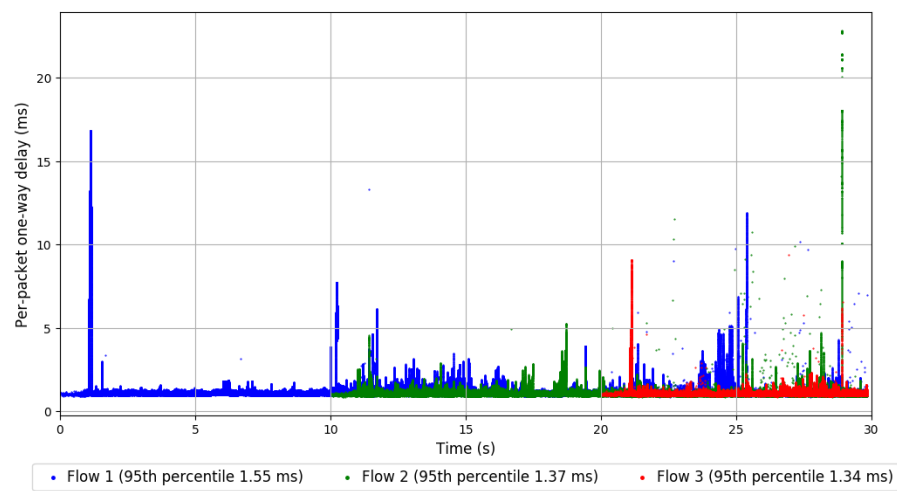
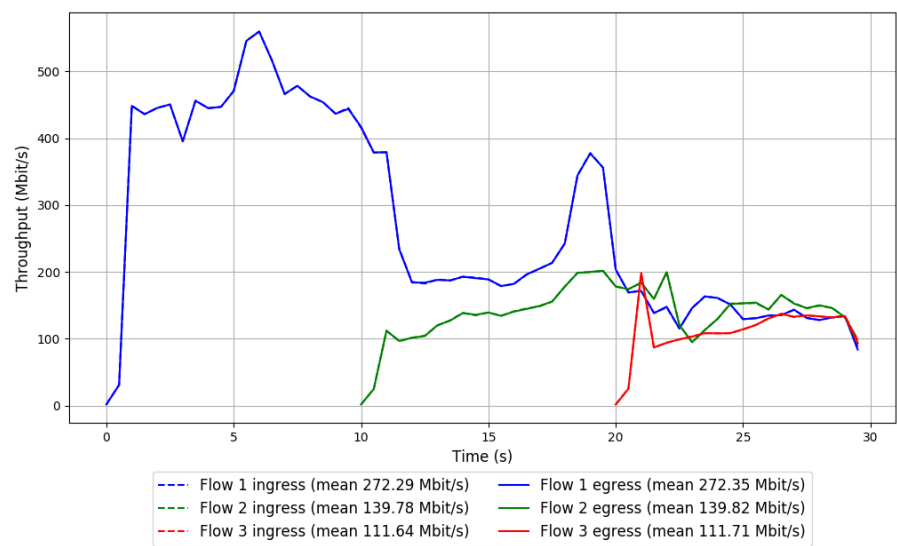


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-27 16:43:41
End at: 2018-03-27 16:44:11
Local clock offset: -0.574 ms
Remote clock offset: -4.684 ms

Below is generated by plot.py at 2018-03-28 02:28:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.91 Mbit/s
95th percentile per-packet one-way delay: 1.488 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 272.35 Mbit/s
95th percentile per-packet one-way delay: 1.554 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 139.82 Mbit/s
95th percentile per-packet one-way delay: 1.367 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 111.71 Mbit/s
95th percentile per-packet one-way delay: 1.339 ms
Loss rate: 0.24%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-03-27 17:12:35

End at: 2018-03-27 17:13:05

Local clock offset: 0.088 ms

Remote clock offset: -5.62 ms

Below is generated by plot.py at 2018-03-28 02:30:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 495.46 Mbit/s

95th percentile per-packet one-way delay: 9.856 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 323.44 Mbit/s

95th percentile per-packet one-way delay: 63.268 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 195.12 Mbit/s

95th percentile per-packet one-way delay: 1.882 ms

Loss rate: 0.08%

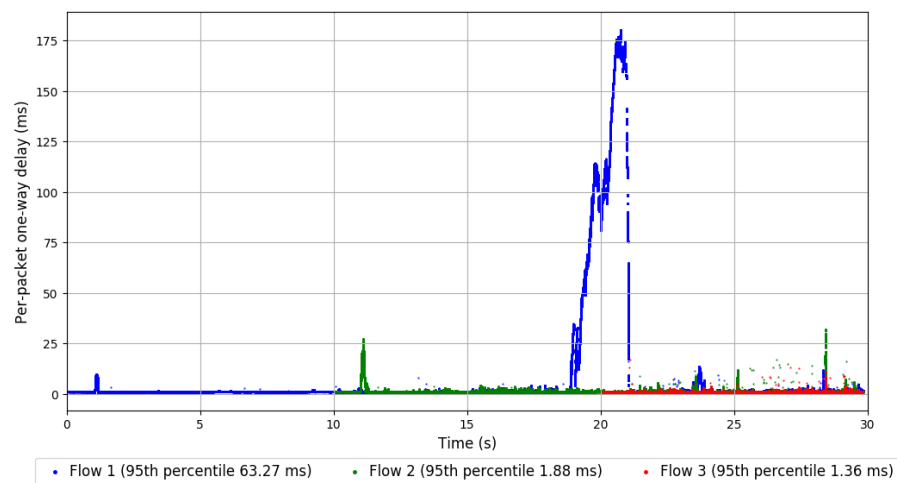
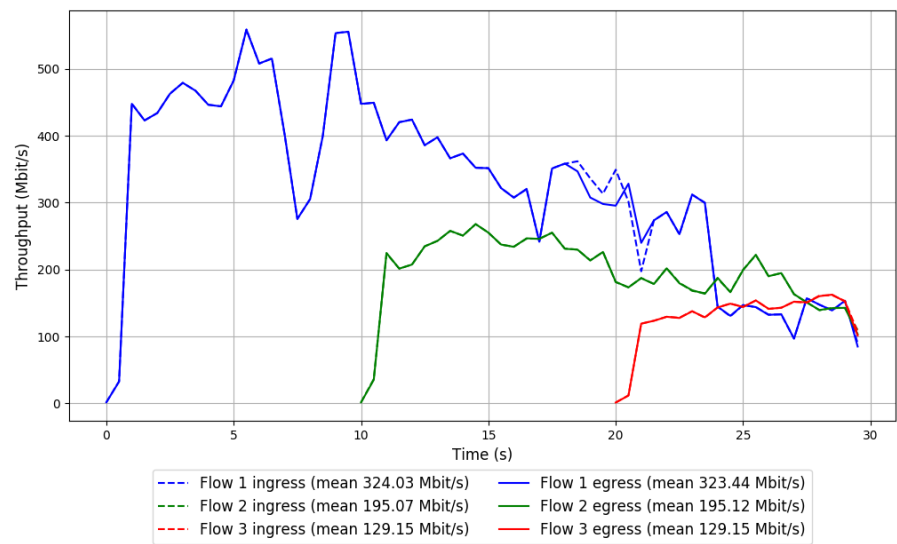
-- Flow 3:

Average throughput: 129.15 Mbit/s

95th percentile per-packet one-way delay: 1.356 ms

Loss rate: 0.25%

Run 7: Report of Vivace-LTE — Data Link

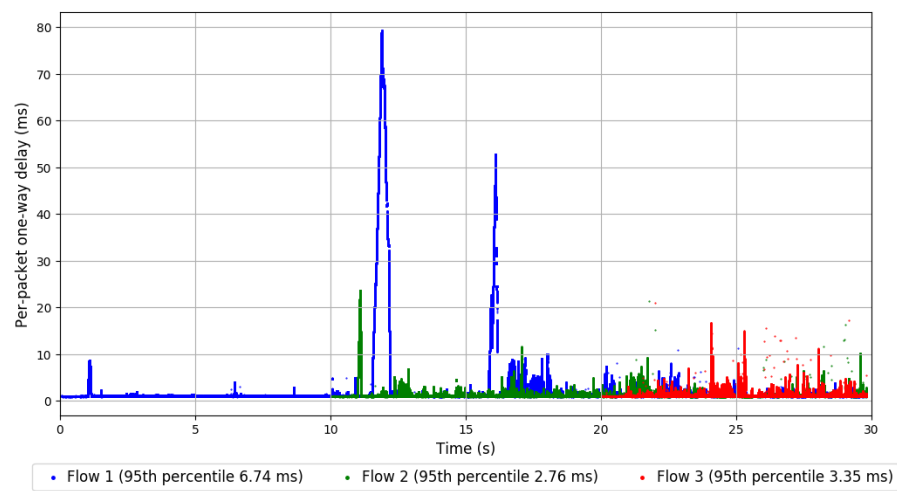
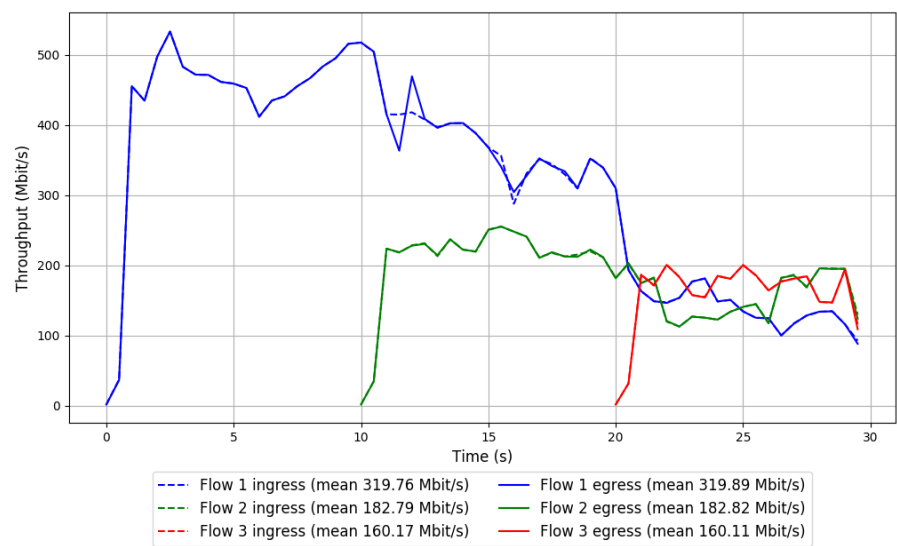


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-27 17:41:36
End at: 2018-03-27 17:42:06
Local clock offset: 1.587 ms
Remote clock offset: -5.173 ms

Below is generated by plot.py at 2018-03-28 02:30:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 494.06 Mbit/s
95th percentile per-packet one-way delay: 4.252 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 319.89 Mbit/s
95th percentile per-packet one-way delay: 6.737 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 182.82 Mbit/s
95th percentile per-packet one-way delay: 2.758 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 160.11 Mbit/s
95th percentile per-packet one-way delay: 3.348 ms
Loss rate: 0.24%

Run 8: Report of Vivace-LTE — Data Link

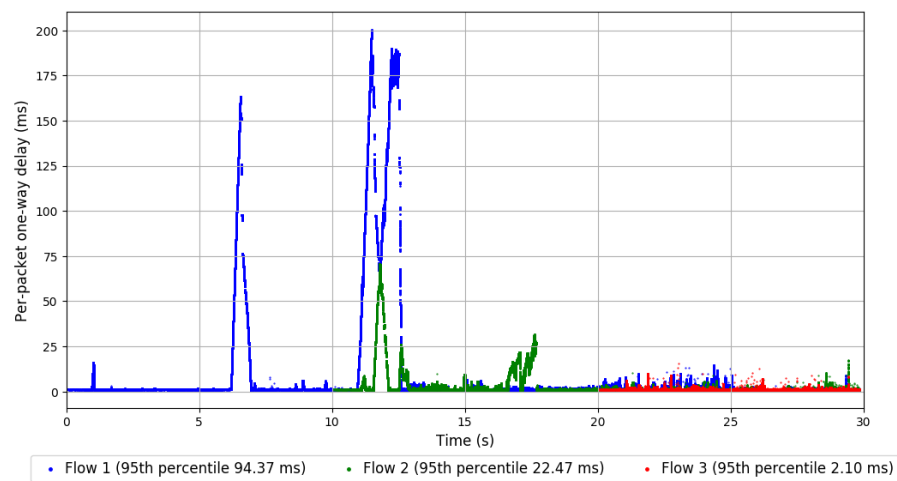
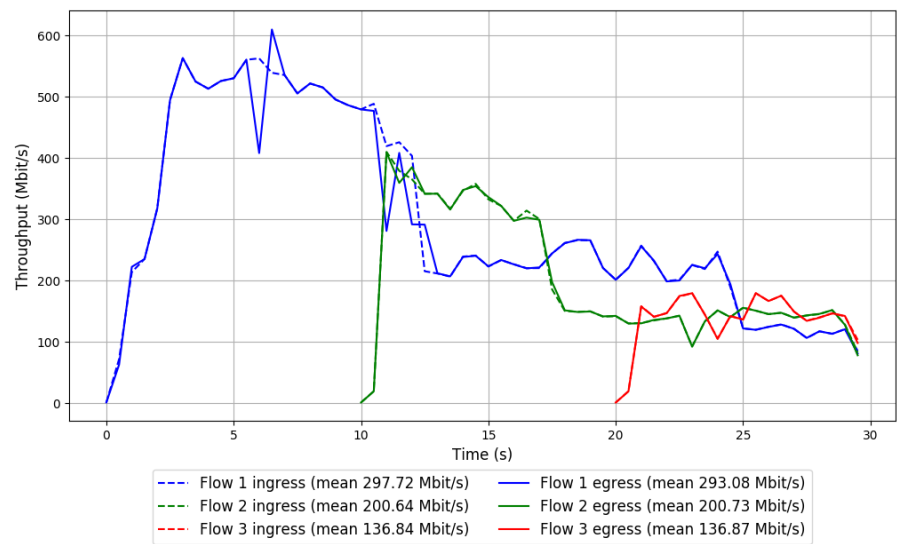


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-27 18:10:34
End at: 2018-03-27 18:11:04
Local clock offset: 1.129 ms
Remote clock offset: -5.438 ms

Below is generated by plot.py at 2018-03-28 02:30:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 471.29 Mbit/s
95th percentile per-packet one-way delay: 57.159 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 293.08 Mbit/s
95th percentile per-packet one-way delay: 94.371 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 200.73 Mbit/s
95th percentile per-packet one-way delay: 22.467 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 136.87 Mbit/s
95th percentile per-packet one-way delay: 2.102 ms
Loss rate: 0.19%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-27 18:39:30
End at: 2018-03-27 18:40:00
Local clock offset: 7.324 ms
Remote clock offset: -6.078 ms

Below is generated by plot.py at 2018-03-28 02:30:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 440.35 Mbit/s
95th percentile per-packet one-way delay: 82.209 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 254.93 Mbit/s
95th percentile per-packet one-way delay: 160.300 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 219.43 Mbit/s
95th percentile per-packet one-way delay: 73.369 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 0.933 ms
Loss rate: 0.21%

Run 10: Report of Vivace-LTE — Data Link

