

Pantheon Report

Generated at 2018-01-17 10:50:02 (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).

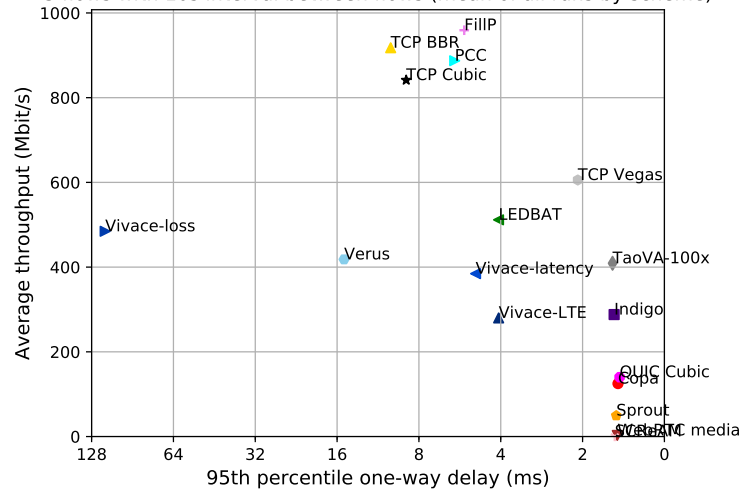
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

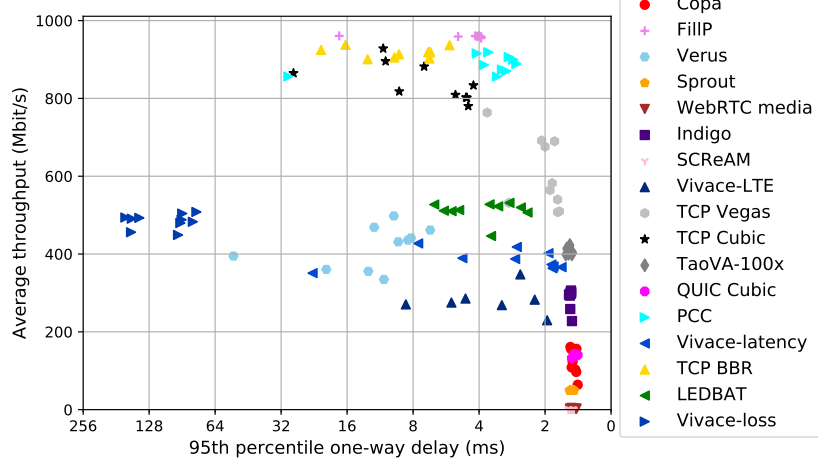
Git summary:

```
branch: master @ 386976fcf771de1359acd909bfbb98a156d79009
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
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 @ f1a14bffe749737437f61b1eaaeb30b267cde681
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 @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



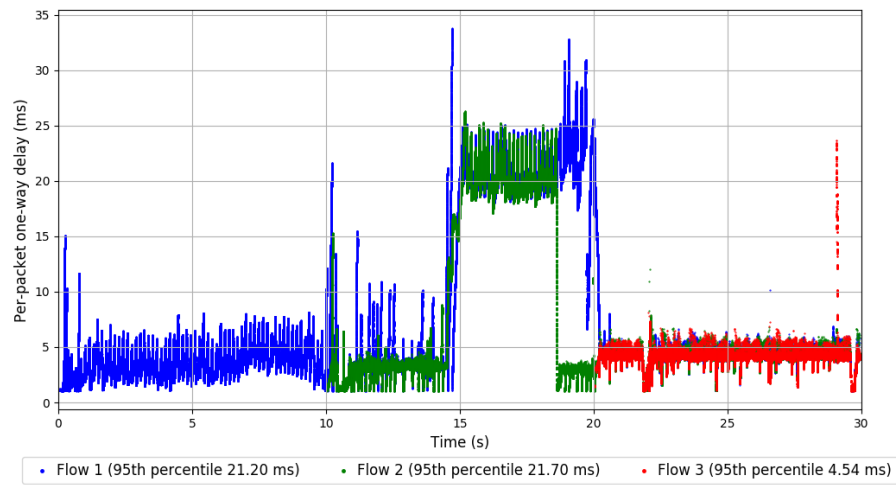
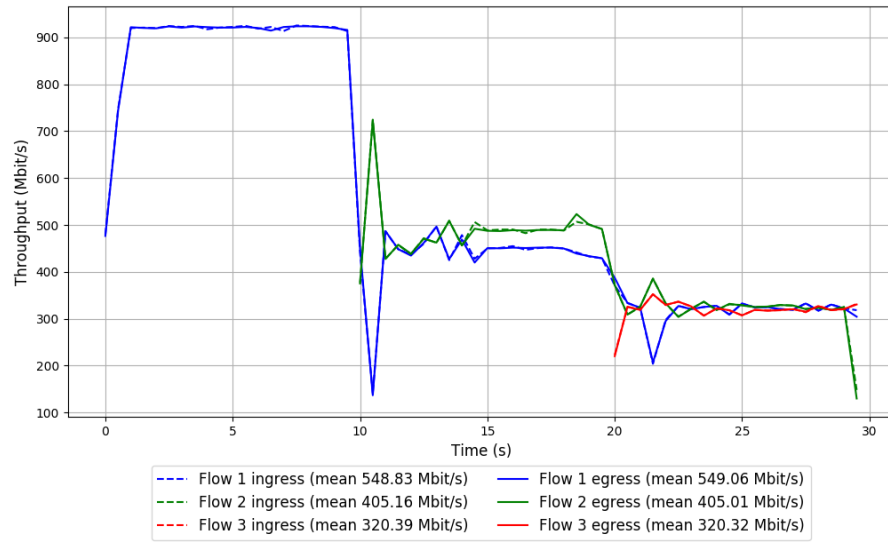
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	550.77	392.69	319.92	10.42	8.91	4.58	0.05	0.09	0.22
TCP Cubic	10	469.90	401.45	315.36	9.35	4.45	4.50	0.06	0.11	0.27
LEDBAT	10	294.54	241.05	171.74	4.14	3.94	2.50	0.06	0.09	0.22
PCC	10	611.76	303.70	224.35	8.56	3.26	3.42	0.16	0.10	0.23
QUIC Cubic	10	74.20	69.52	59.68	1.08	1.10	1.11	0.06	0.08	0.22
SCReAM	10	0.22	0.22	0.22	1.22	1.21	1.19	0.03	0.00	0.32
WebRTC media	10	0.28	1.63	0.73	1.30	1.14	1.16	0.00	0.15	0.19
Sprout	10	24.87	24.76	24.65	1.18	1.18	1.17	0.06	0.05	0.23
TaoVA-100x	10	230.89	211.76	149.98	1.17	1.33	1.73	0.04	0.08	0.20
TCP Vegas	10	296.10	325.18	280.97	1.86	2.59	2.16	0.05	0.09	0.22
Verus	10	251.65	173.09	157.95	19.91	9.06	5.00	0.07	0.07	0.23
Copa	9	46.85	78.87	85.44	969.57	1.14	1.15	0.03	0.08	0.13
FillP	10	587.23	401.24	318.05	5.54	4.34	4.17	0.07	0.09	0.23
Indigo	10	155.21	151.20	99.24	1.20	1.27	1.26	0.06	0.09	0.18
Vivace-latency	10	246.11	151.92	100.96	11.12	2.44	1.36	0.04	0.07	0.28
Vivace-loss	10	295.17	210.28	151.30	116.57	63.73	3.62	3.32	0.85	0.27
Vivace-LTE	7	279.99	126.26	90.77	4.23	5.29	4.19	0.00	0.02	0.06

Run 1: Statistics of TCP BBR

Start at: 2018-01-16 23:05:15
End at: 2018-01-16 23:05:45
Local clock offset: -5.048 ms
Remote clock offset: -4.241 ms

Below is generated by plot.py at 2018-01-17 08:32:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 924.68 Mbit/s
95th percentile per-packet one-way delay: 21.036 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 549.06 Mbit/s
95th percentile per-packet one-way delay: 21.198 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 405.01 Mbit/s
95th percentile per-packet one-way delay: 21.696 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 320.32 Mbit/s
95th percentile per-packet one-way delay: 4.539 ms
Loss rate: 0.06%

Run 1: Report of TCP BBR — Data Link

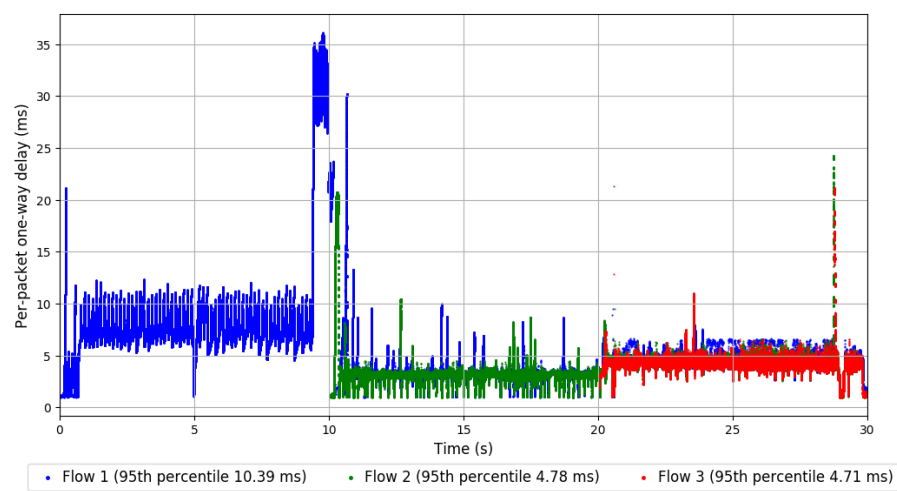
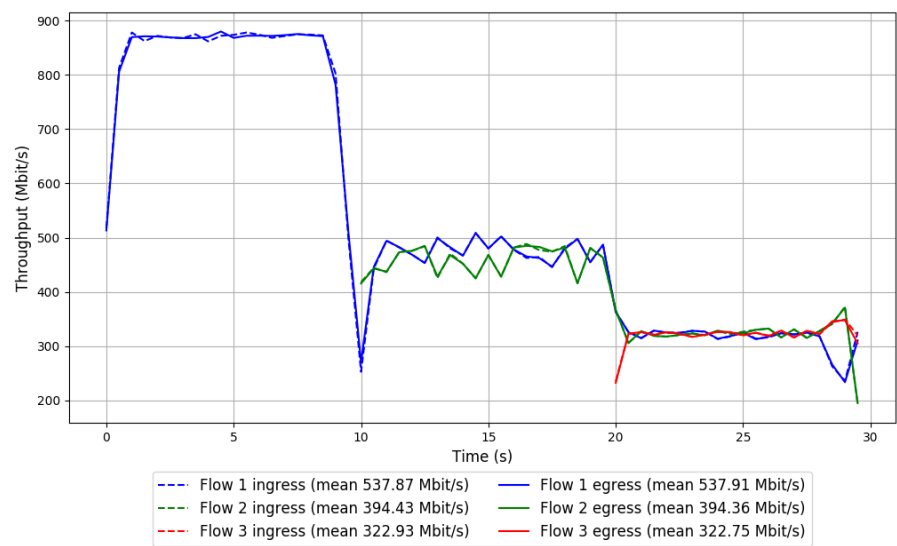


Run 2: Statistics of TCP BBR

Start at: 2018-01-16 23:32:20
End at: 2018-01-16 23:32:50
Local clock offset: -5.088 ms
Remote clock offset: -3.432 ms

Below is generated by plot.py at 2018-01-17 08:32:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 905.35 Mbit/s
95th percentile per-packet one-way delay: 9.739 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 537.91 Mbit/s
95th percentile per-packet one-way delay: 10.395 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 394.36 Mbit/s
95th percentile per-packet one-way delay: 4.777 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 322.75 Mbit/s
95th percentile per-packet one-way delay: 4.709 ms
Loss rate: 0.26%

Run 2: Report of TCP BBR — Data Link

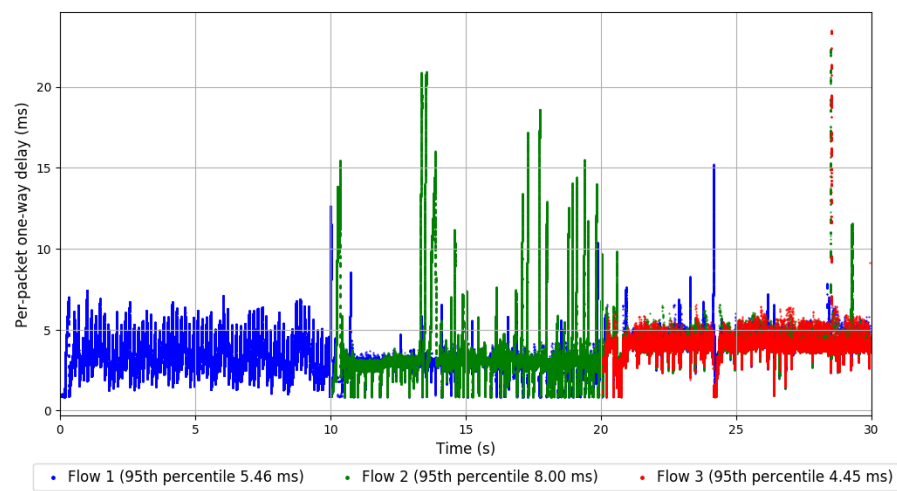
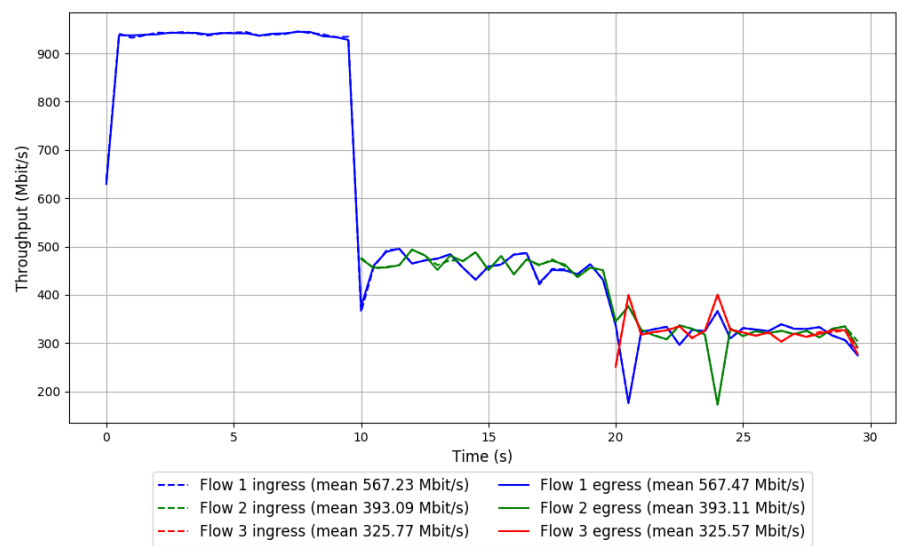


Run 3: Statistics of TCP BBR

Start at: 2018-01-16 23:59:32
End at: 2018-01-17 00:00:02
Local clock offset: -5.182 ms
Remote clock offset: -3.159 ms

Below is generated by plot.py at 2018-01-17 08:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 936.84 Mbit/s
95th percentile per-packet one-way delay: 5.458 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 567.47 Mbit/s
95th percentile per-packet one-way delay: 5.456 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 393.11 Mbit/s
95th percentile per-packet one-way delay: 7.996 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 325.57 Mbit/s
95th percentile per-packet one-way delay: 4.447 ms
Loss rate: 0.23%

Run 3: Report of TCP BBR — Data Link

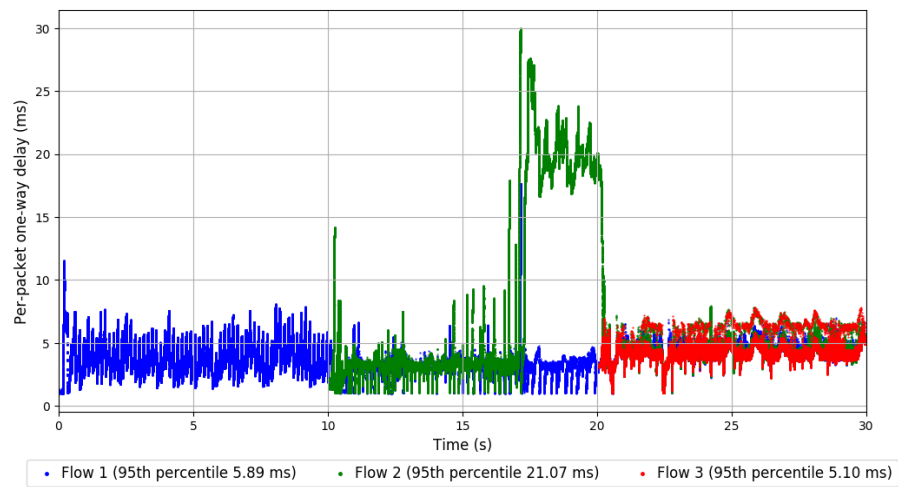
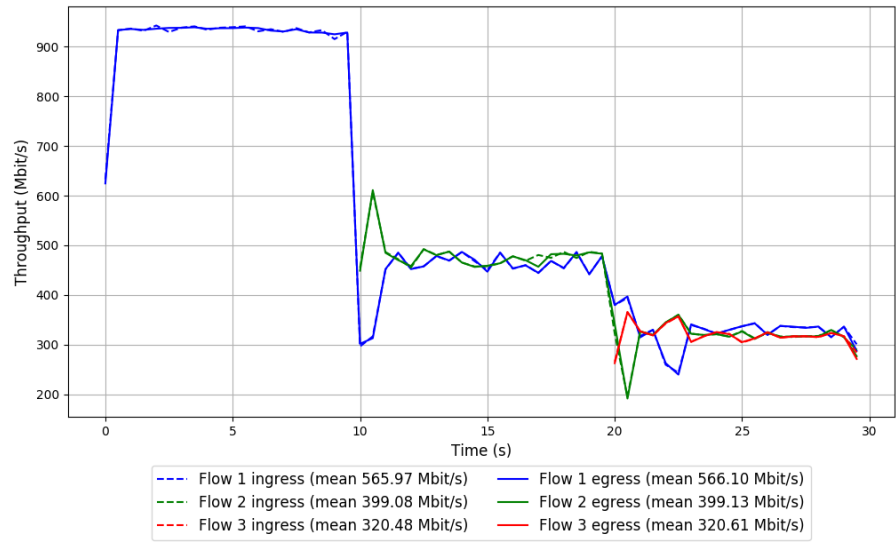


Run 4: Statistics of TCP BBR

Start at: 2018-01-17 00:26:53
End at: 2018-01-17 00:27:23
Local clock offset: -5.213 ms
Remote clock offset: -2.452 ms

Below is generated by plot.py at 2018-01-17 08:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 938.00 Mbit/s
95th percentile per-packet one-way delay: 16.267 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 566.10 Mbit/s
95th percentile per-packet one-way delay: 5.887 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 399.13 Mbit/s
95th percentile per-packet one-way delay: 21.067 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.61 Mbit/s
95th percentile per-packet one-way delay: 5.101 ms
Loss rate: 0.25%

Run 4: Report of TCP BBR — Data Link

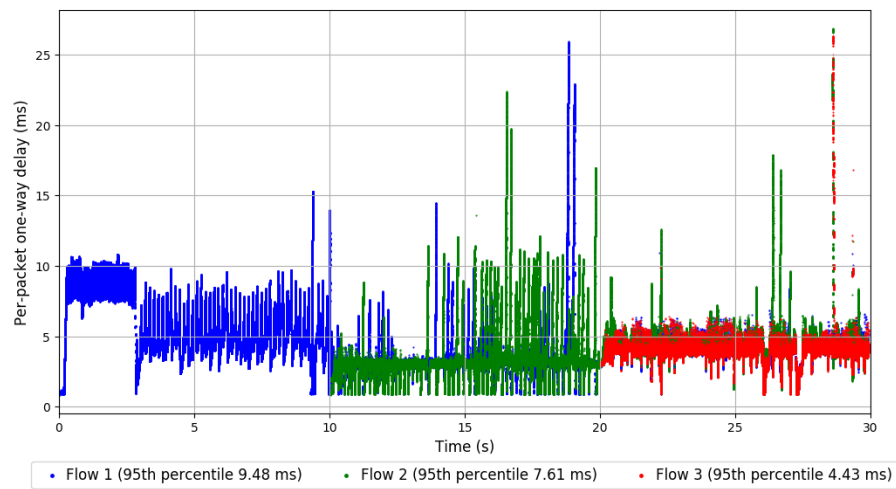
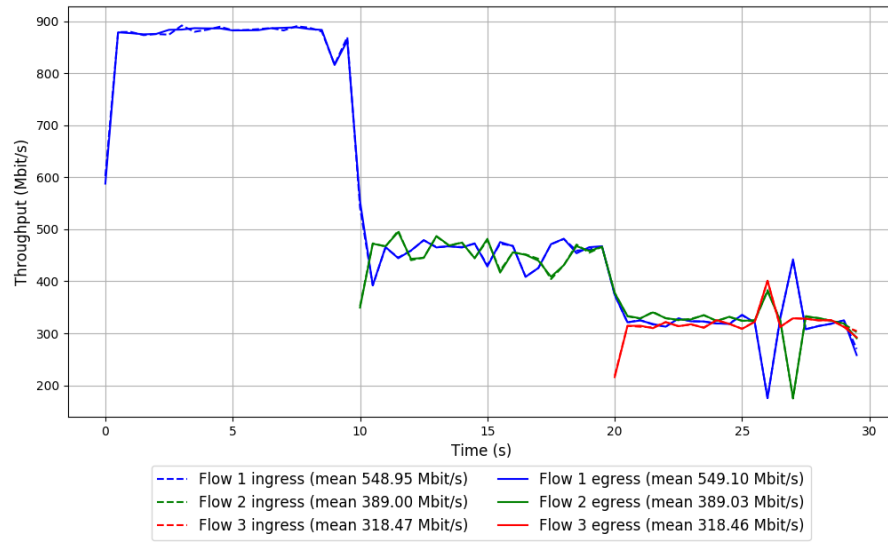


Run 5: Statistics of TCP BBR

Start at: 2018-01-17 00:54:31
End at: 2018-01-17 00:55:01
Local clock offset: -5.386 ms
Remote clock offset: -1.916 ms

Below is generated by plot.py at 2018-01-17 08:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 913.52 Mbit/s
95th percentile per-packet one-way delay: 9.275 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 549.10 Mbit/s
95th percentile per-packet one-way delay: 9.485 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 389.03 Mbit/s
95th percentile per-packet one-way delay: 7.607 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.46 Mbit/s
95th percentile per-packet one-way delay: 4.435 ms
Loss rate: 0.24%

Run 5: Report of TCP BBR — Data Link

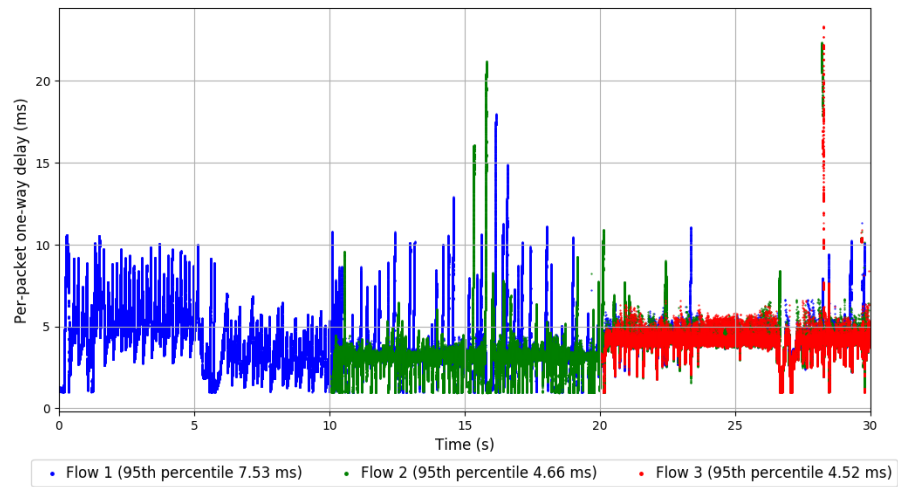
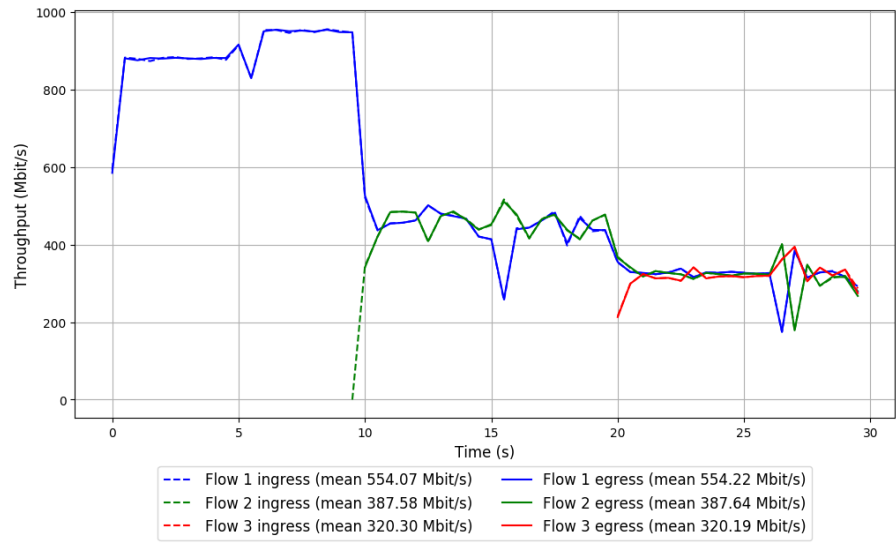


Run 6: Statistics of TCP BBR

Start at: 2018-01-17 01:22:06
End at: 2018-01-17 01:22:36
Local clock offset: -5.19 ms
Remote clock offset: -1.644 ms

Below is generated by plot.py at 2018-01-17 08:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 918.26 Mbit/s
95th percentile per-packet one-way delay: 6.716 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 554.22 Mbit/s
95th percentile per-packet one-way delay: 7.532 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 387.64 Mbit/s
95th percentile per-packet one-way delay: 4.655 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 320.19 Mbit/s
95th percentile per-packet one-way delay: 4.517 ms
Loss rate: 0.24%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-01-17 01:49:16

End at: 2018-01-17 01:49:46

Local clock offset: -4.642 ms

Remote clock offset: -1.56 ms

Below is generated by plot.py at 2018-01-17 08:32:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 902.55 Mbit/s

95th percentile per-packet one-way delay: 6.741 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 538.11 Mbit/s

95th percentile per-packet one-way delay: 15.106 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 386.98 Mbit/s

95th percentile per-packet one-way delay: 4.583 ms

Loss rate: 0.10%

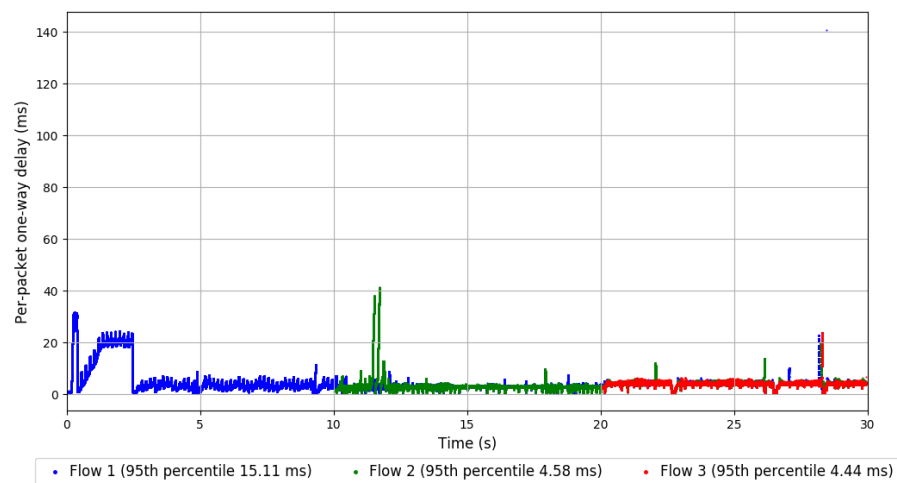
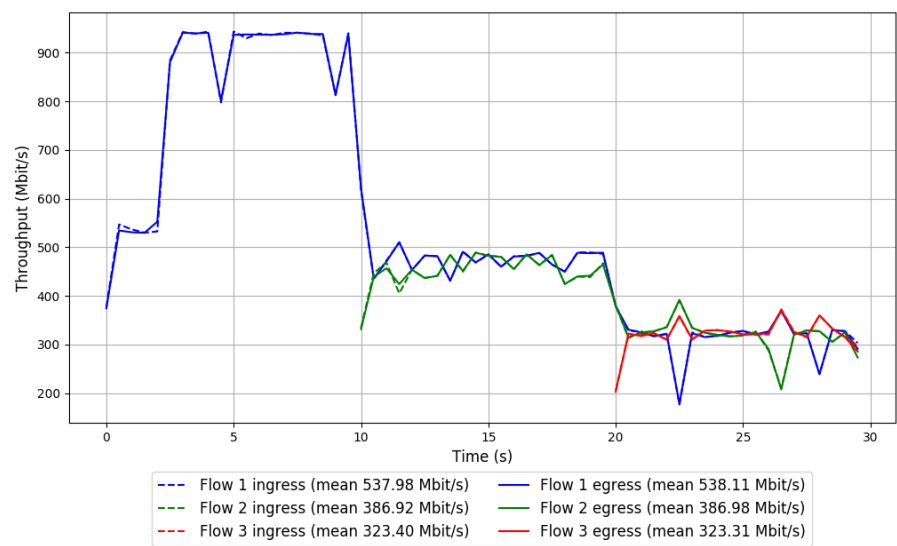
-- Flow 3:

Average throughput: 323.31 Mbit/s

95th percentile per-packet one-way delay: 4.438 ms

Loss rate: 0.23%

Run 7: Report of TCP BBR — Data Link

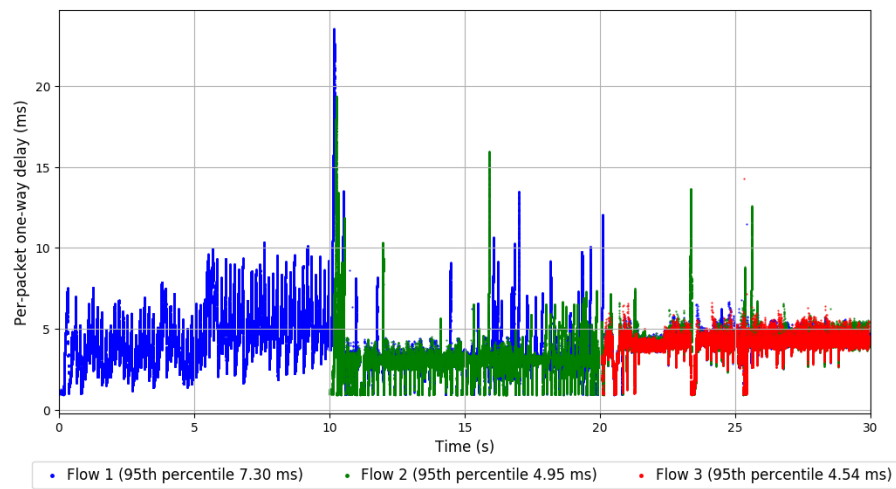
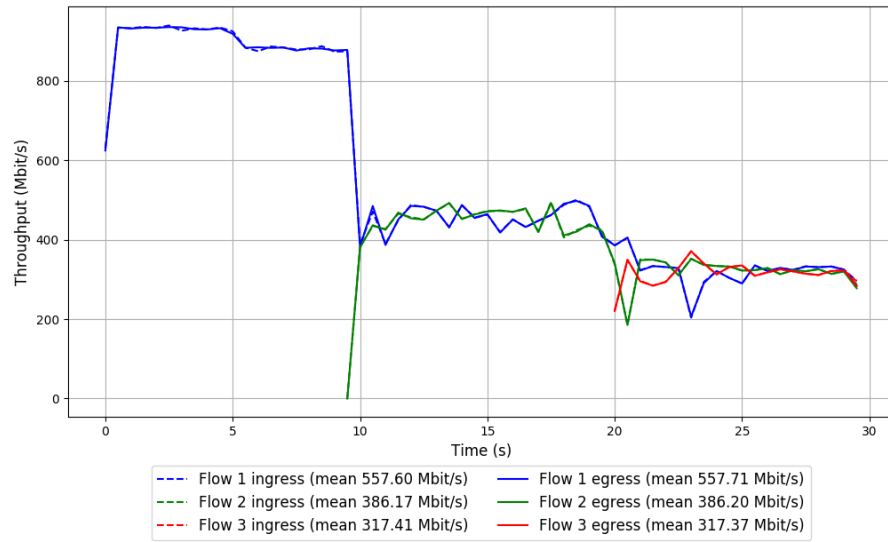


Run 8: Statistics of TCP BBR

Start at: 2018-01-17 02:16:36
End at: 2018-01-17 02:17:06
Local clock offset: -3.084 ms
Remote clock offset: -1.806 ms

Below is generated by plot.py at 2018-01-17 08:32:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 919.98 Mbit/s
95th percentile per-packet one-way delay: 6.684 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 557.71 Mbit/s
95th percentile per-packet one-way delay: 7.304 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 386.20 Mbit/s
95th percentile per-packet one-way delay: 4.947 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.37 Mbit/s
95th percentile per-packet one-way delay: 4.542 ms
Loss rate: 0.22%

Run 8: Report of TCP BBR — Data Link

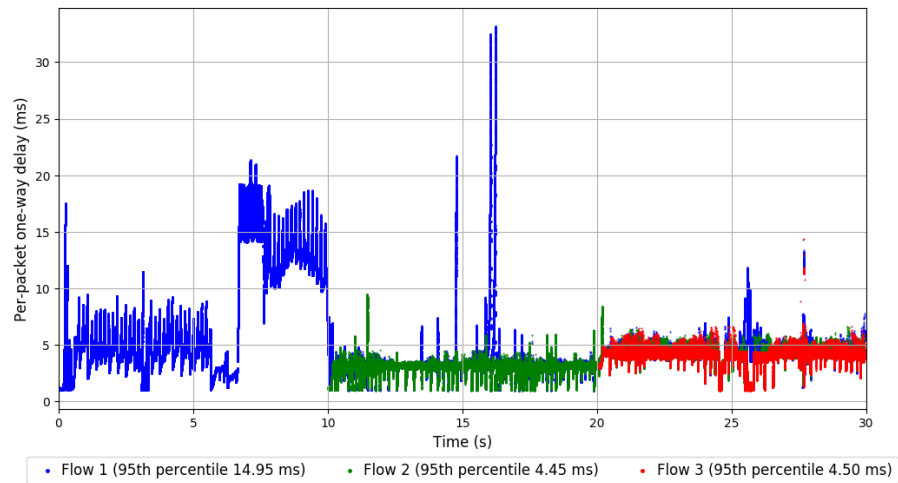
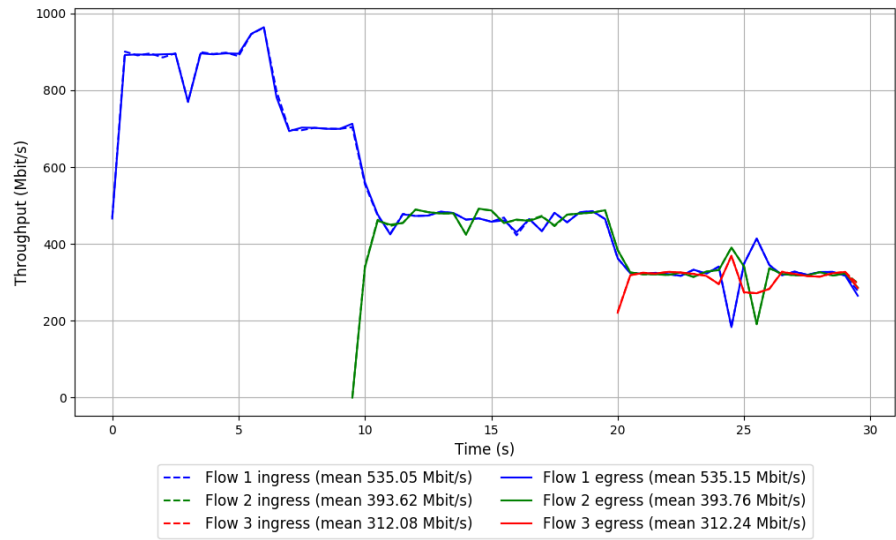


Run 9: Statistics of TCP BBR

Start at: 2018-01-17 02:44:01
End at: 2018-01-17 02:44:31
Local clock offset: -2.374 ms
Remote clock offset: -2.186 ms

Below is generated by plot.py at 2018-01-17 08:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 900.73 Mbit/s
95th percentile per-packet one-way delay: 12.897 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 535.15 Mbit/s
95th percentile per-packet one-way delay: 14.948 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 393.76 Mbit/s
95th percentile per-packet one-way delay: 4.450 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 312.24 Mbit/s
95th percentile per-packet one-way delay: 4.505 ms
Loss rate: 0.22%

Run 9: Report of TCP BBR — Data Link

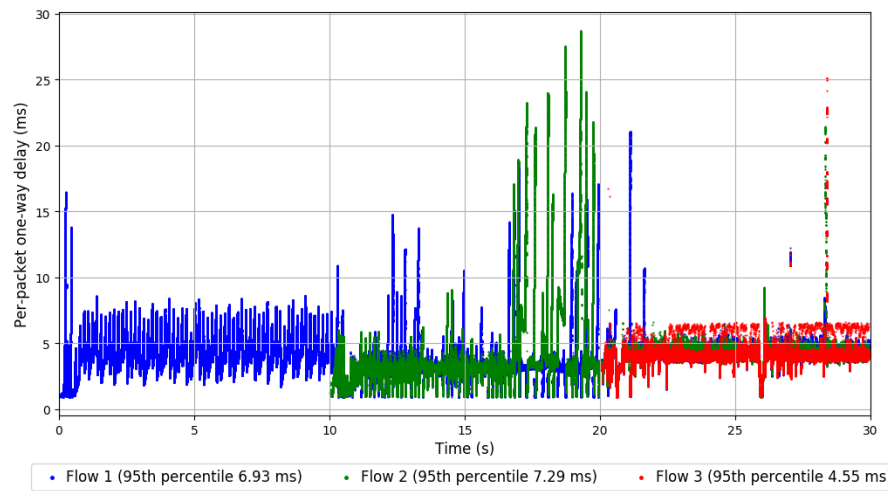
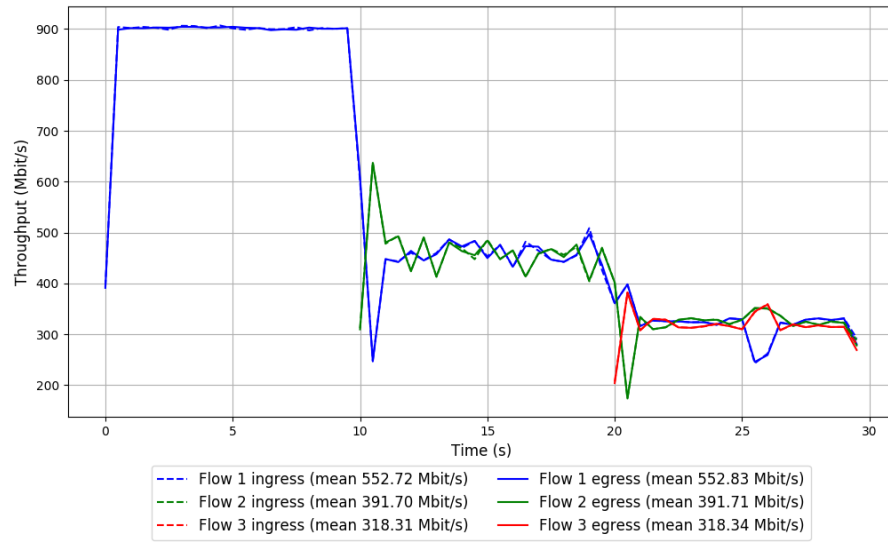


Run 10: Statistics of TCP BBR

Start at: 2018-01-17 03:11:35
End at: 2018-01-17 03:12:05
Local clock offset: -0.965 ms
Remote clock offset: -2.222 ms

Below is generated by plot.py at 2018-01-17 08:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 918.95 Mbit/s
95th percentile per-packet one-way delay: 6.825 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 552.83 Mbit/s
95th percentile per-packet one-way delay: 6.933 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 391.71 Mbit/s
95th percentile per-packet one-way delay: 7.286 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.34 Mbit/s
95th percentile per-packet one-way delay: 4.550 ms
Loss rate: 0.23%

Run 10: Report of TCP BBR — Data Link

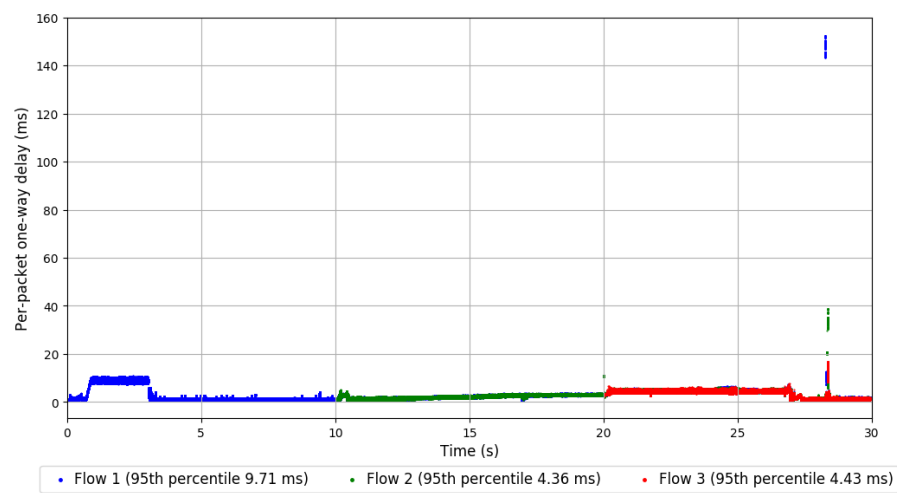
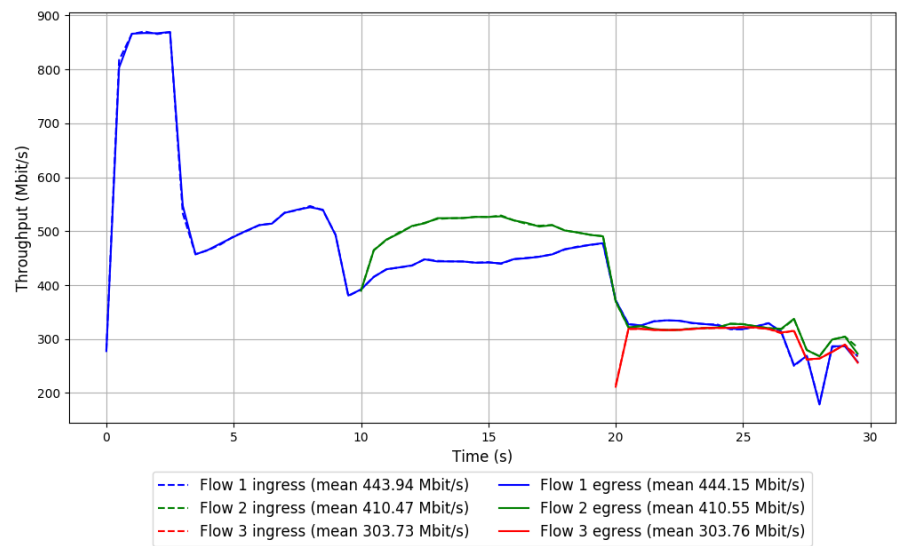


Run 1: Statistics of TCP Cubic

Start at: 2018-01-16 22:53:59
End at: 2018-01-16 22:54:29
Local clock offset: -5.111 ms
Remote clock offset: -4.272 ms

Below is generated by plot.py at 2018-01-17 08:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 817.86 Mbit/s
95th percentile per-packet one-way delay: 9.253 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 444.15 Mbit/s
95th percentile per-packet one-way delay: 9.709 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 410.55 Mbit/s
95th percentile per-packet one-way delay: 4.362 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 303.76 Mbit/s
95th percentile per-packet one-way delay: 4.426 ms
Loss rate: 0.21%

Run 1: Report of TCP Cubic — Data Link

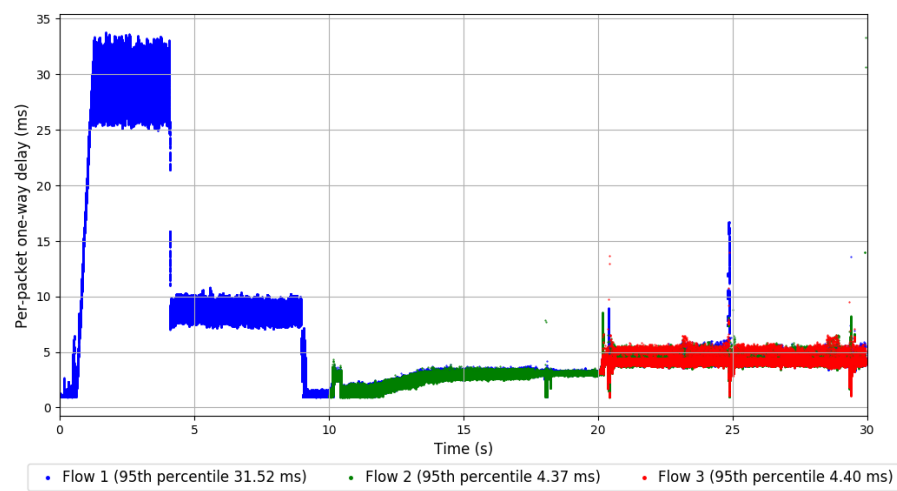
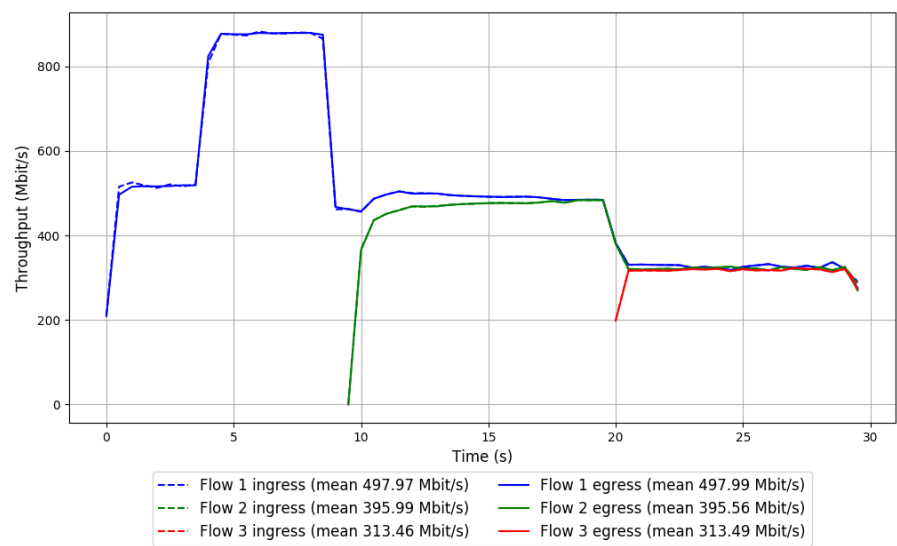


Run 2: Statistics of TCP Cubic

Start at: 2018-01-16 23:21:02
End at: 2018-01-16 23:21:32
Local clock offset: -5.154 ms
Remote clock offset: -3.792 ms

Below is generated by plot.py at 2018-01-17 08:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 864.92 Mbit/s
95th percentile per-packet one-way delay: 28.106 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 497.99 Mbit/s
95th percentile per-packet one-way delay: 31.525 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 395.56 Mbit/s
95th percentile per-packet one-way delay: 4.369 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 313.49 Mbit/s
95th percentile per-packet one-way delay: 4.400 ms
Loss rate: 0.29%

Run 2: Report of TCP Cubic — Data Link

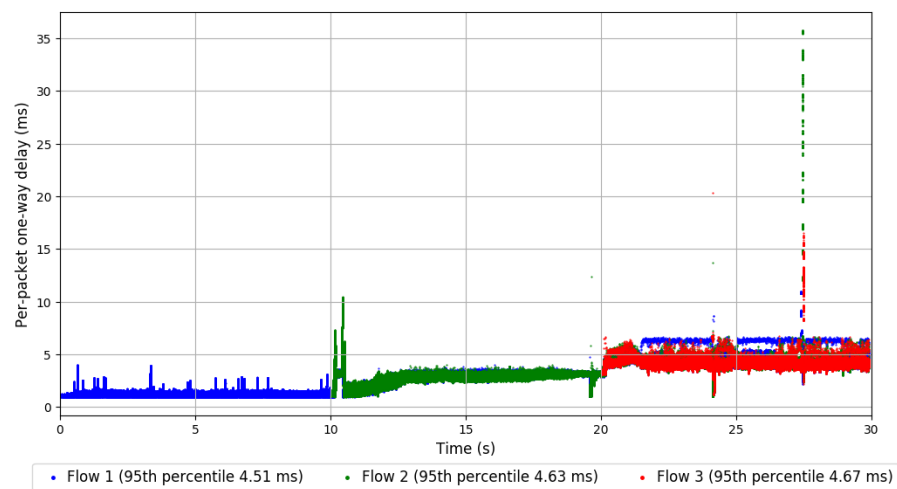
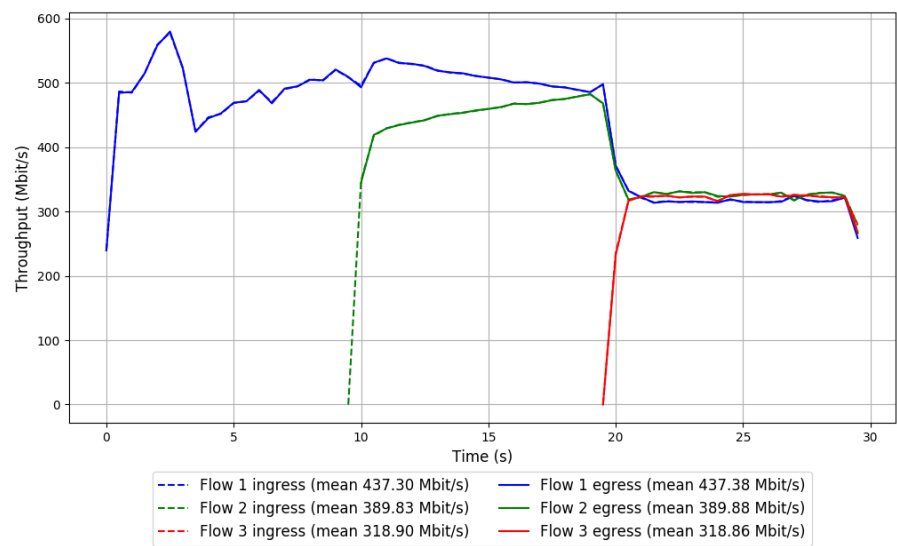


Run 3: Statistics of TCP Cubic

Start at: 2018-01-16 23:48:16
End at: 2018-01-16 23:48:46
Local clock offset: -5.091 ms
Remote clock offset: -3.307 ms

Below is generated by plot.py at 2018-01-17 08:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 802.55 Mbit/s
95th percentile per-packet one-way delay: 4.586 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 437.38 Mbit/s
95th percentile per-packet one-way delay: 4.515 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 389.88 Mbit/s
95th percentile per-packet one-way delay: 4.627 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 318.86 Mbit/s
95th percentile per-packet one-way delay: 4.665 ms
Loss rate: 0.23%

Run 3: Report of TCP Cubic — Data Link

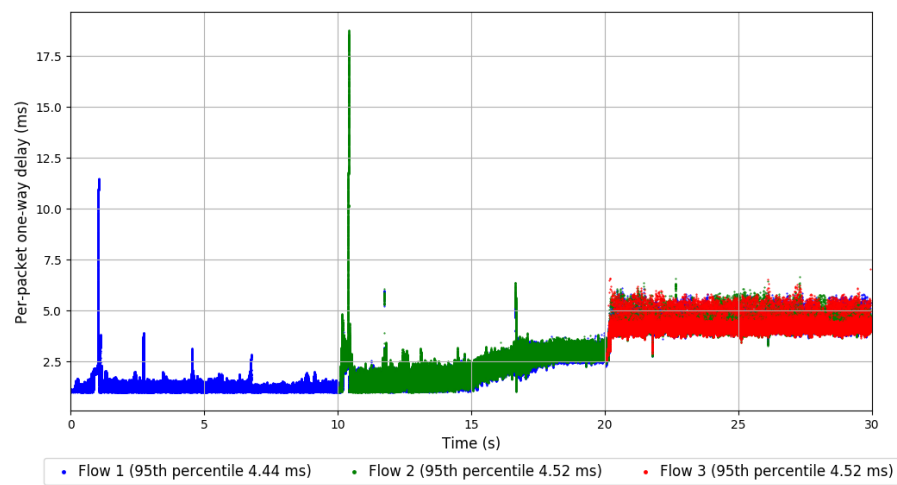
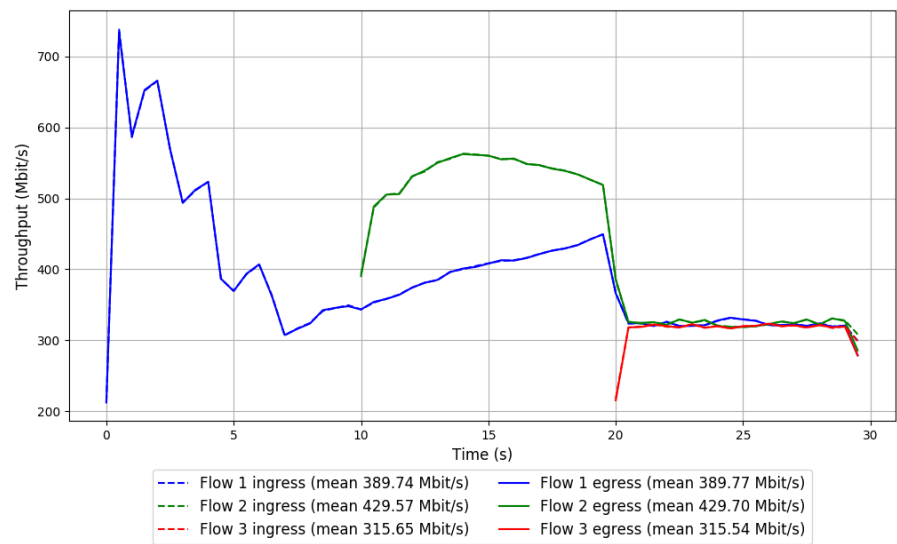


Run 4: Statistics of TCP Cubic

Start at: 2018-01-17 00:15:47
End at: 2018-01-17 00:16:17
Local clock offset: -5.216 ms
Remote clock offset: -2.903 ms

Below is generated by plot.py at 2018-01-17 08:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 780.24 Mbit/s
95th percentile per-packet one-way delay: 4.481 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 389.77 Mbit/s
95th percentile per-packet one-way delay: 4.437 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 429.70 Mbit/s
95th percentile per-packet one-way delay: 4.518 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 315.54 Mbit/s
95th percentile per-packet one-way delay: 4.524 ms
Loss rate: 0.36%

Run 4: Report of TCP Cubic — Data Link

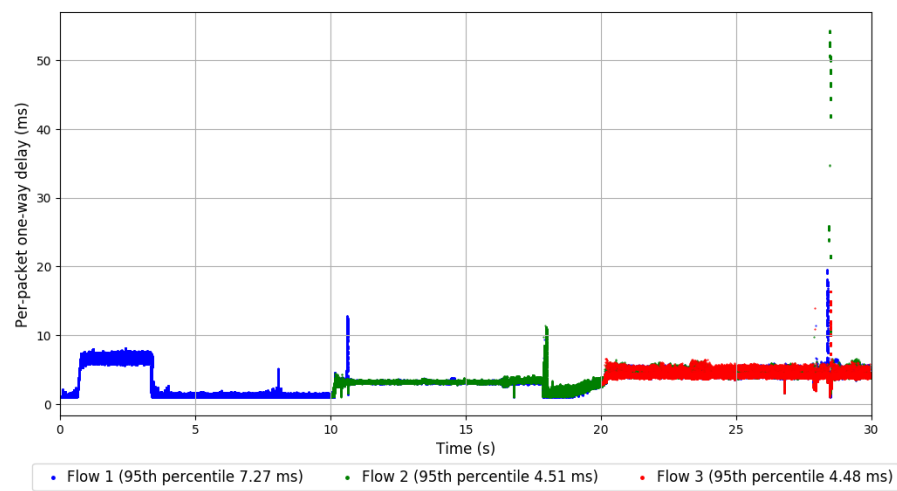
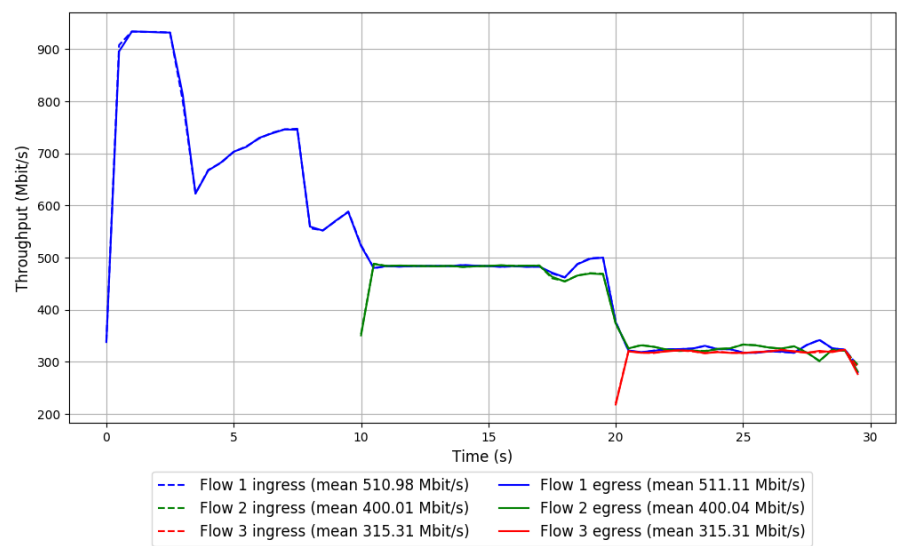


Run 5: Statistics of TCP Cubic

Start at: 2018-01-17 00:43:13
End at: 2018-01-17 00:43:43
Local clock offset: -5.278 ms
Remote clock offset: -2.126 ms

Below is generated by plot.py at 2018-01-17 08:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 881.81 Mbit/s
95th percentile per-packet one-way delay: 7.125 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 511.11 Mbit/s
95th percentile per-packet one-way delay: 7.269 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 400.04 Mbit/s
95th percentile per-packet one-way delay: 4.514 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 315.31 Mbit/s
95th percentile per-packet one-way delay: 4.479 ms
Loss rate: 0.24%

Run 5: Report of TCP Cubic — Data Link

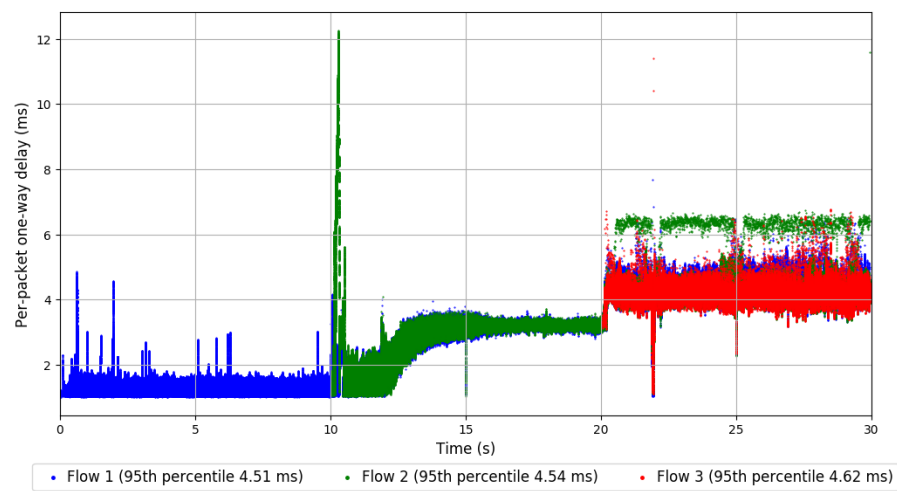
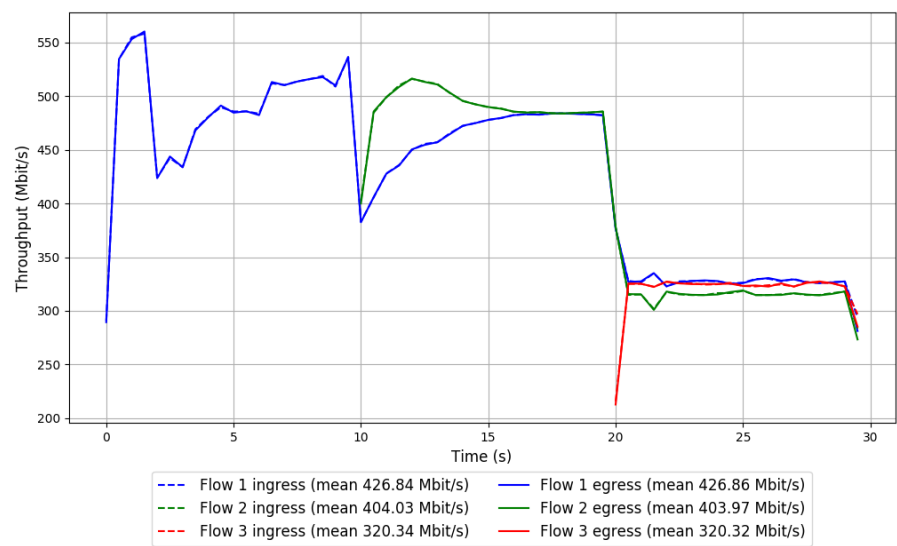


Run 6: Statistics of TCP Cubic

Start at: 2018-01-17 01:10:54
End at: 2018-01-17 01:11:24
Local clock offset: -5.274 ms
Remote clock offset: -1.806 ms

Below is generated by plot.py at 2018-01-17 08:44:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 801.67 Mbit/s
95th percentile per-packet one-way delay: 4.547 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 426.86 Mbit/s
95th percentile per-packet one-way delay: 4.511 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 403.97 Mbit/s
95th percentile per-packet one-way delay: 4.541 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 320.32 Mbit/s
95th percentile per-packet one-way delay: 4.619 ms
Loss rate: 0.22%

Run 6: Report of TCP Cubic — Data Link

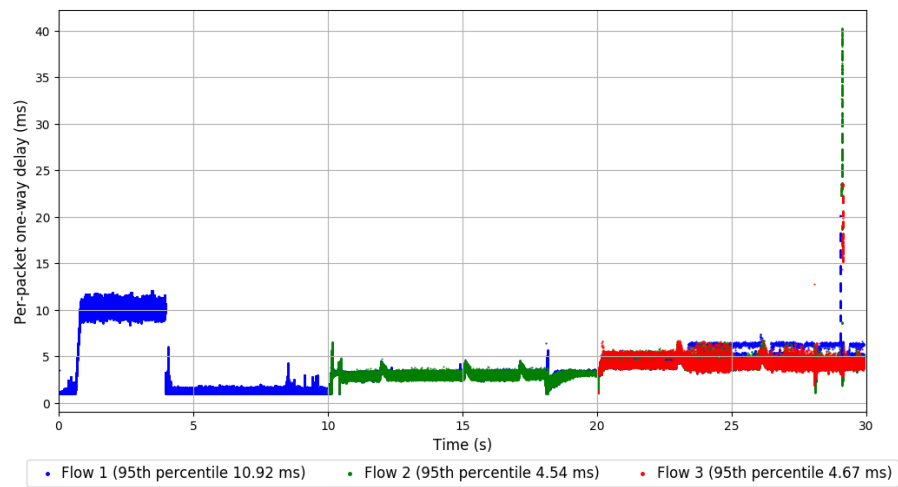
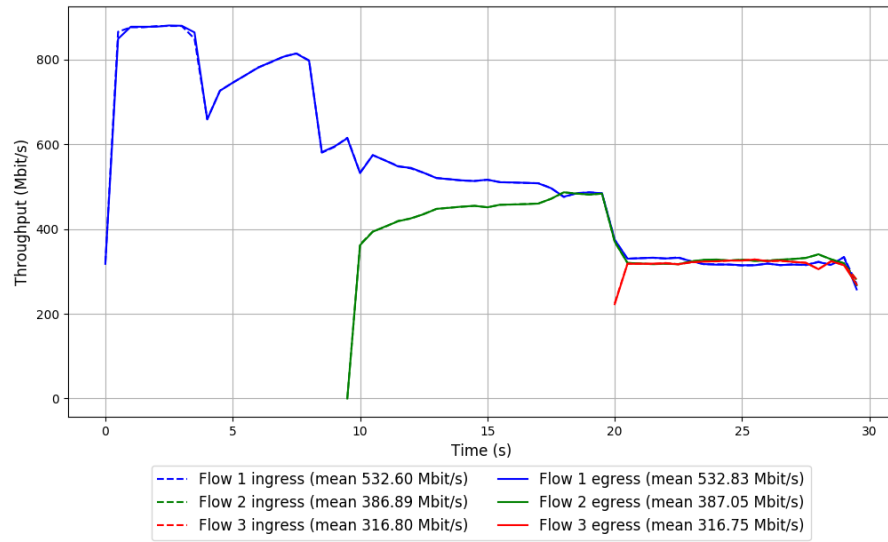


Run 7: Statistics of TCP Cubic

Start at: 2018-01-17 01:37:53
End at: 2018-01-17 01:38:23
Local clock offset: -5.118 ms
Remote clock offset: -1.718 ms

Below is generated by plot.py at 2018-01-17 08:55:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 895.50 Mbit/s
95th percentile per-packet one-way delay: 10.680 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 532.83 Mbit/s
95th percentile per-packet one-way delay: 10.924 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 387.05 Mbit/s
95th percentile per-packet one-way delay: 4.545 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.75 Mbit/s
95th percentile per-packet one-way delay: 4.669 ms
Loss rate: 0.24%

Run 7: Report of TCP Cubic — Data Link

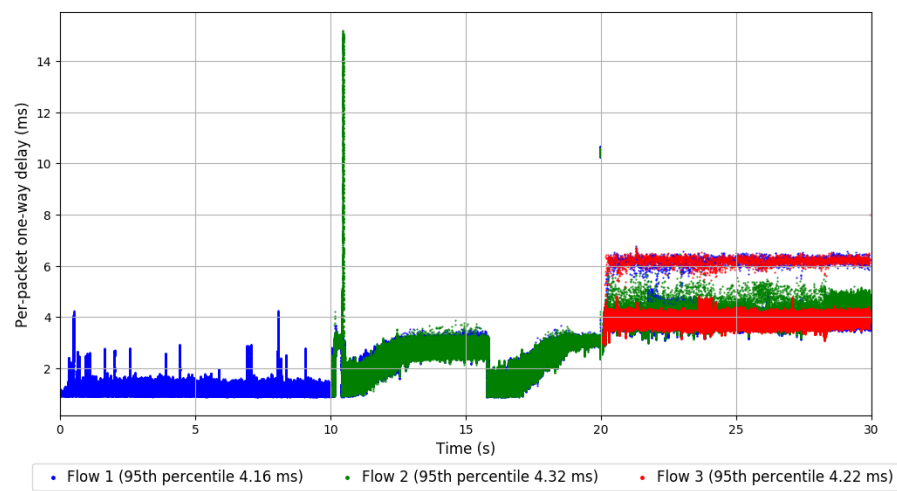
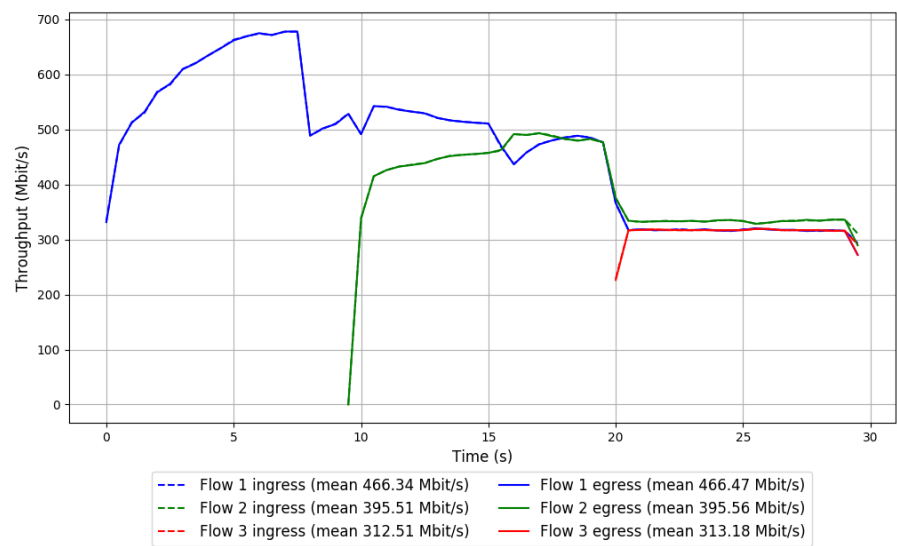


Run 8: Statistics of TCP Cubic

Start at: 2018-01-17 02:05:27
End at: 2018-01-17 02:05:57
Local clock offset: -3.964 ms
Remote clock offset: -1.859 ms

Below is generated by plot.py at 2018-01-17 08:55:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 833.51 Mbit/s
95th percentile per-packet one-way delay: 4.244 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 466.47 Mbit/s
95th percentile per-packet one-way delay: 4.164 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 395.56 Mbit/s
95th percentile per-packet one-way delay: 4.320 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 313.18 Mbit/s
95th percentile per-packet one-way delay: 4.216 ms
Loss rate: 0.34%

Run 8: Report of TCP Cubic — Data Link

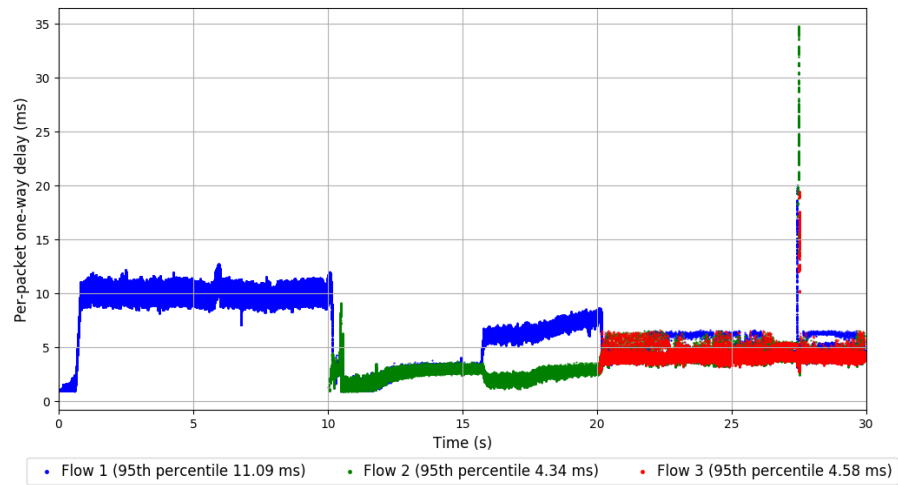
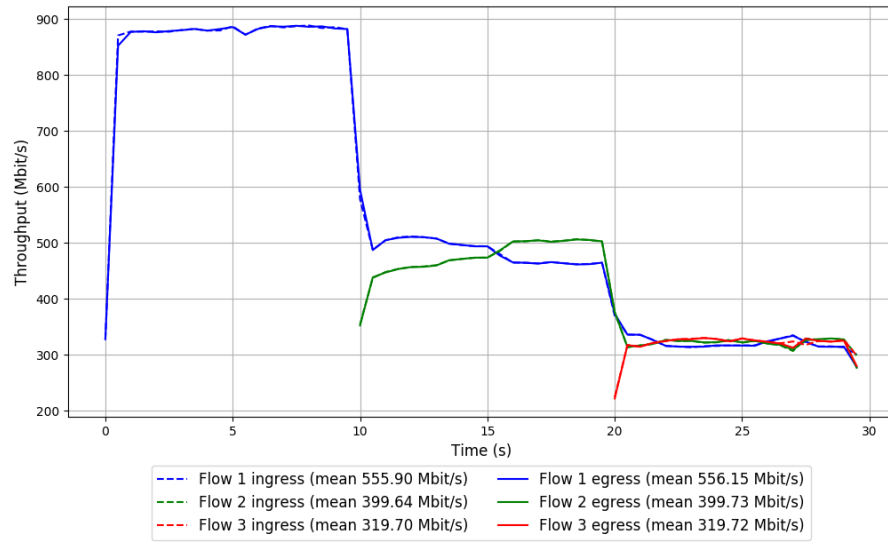


Run 9: Statistics of TCP Cubic

Start at: 2018-01-17 02:32:44
End at: 2018-01-17 02:33:14
Local clock offset: -2.816 ms
Remote clock offset: -2.003 ms

Below is generated by plot.py at 2018-01-17 08:55:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 928.17 Mbit/s
95th percentile per-packet one-way delay: 10.951 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 556.15 Mbit/s
95th percentile per-packet one-way delay: 11.085 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 399.73 Mbit/s
95th percentile per-packet one-way delay: 4.337 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 319.72 Mbit/s
95th percentile per-packet one-way delay: 4.576 ms
Loss rate: 0.35%

Run 9: Report of TCP Cubic — Data Link

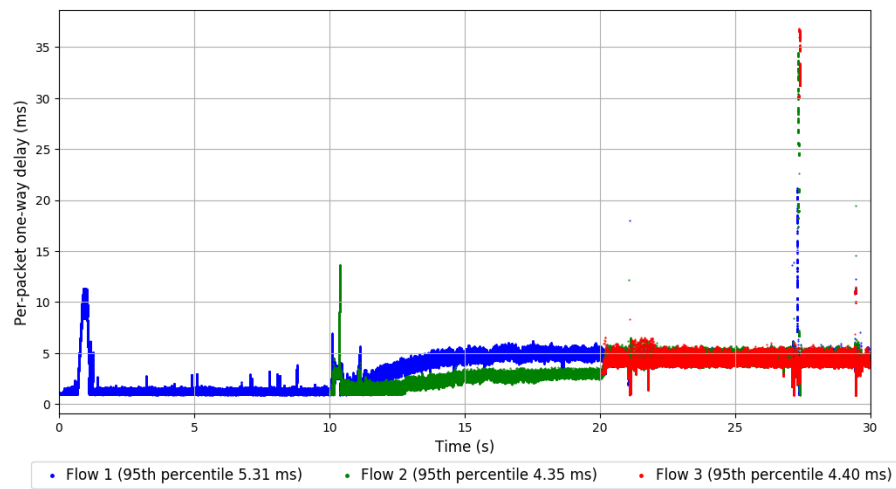
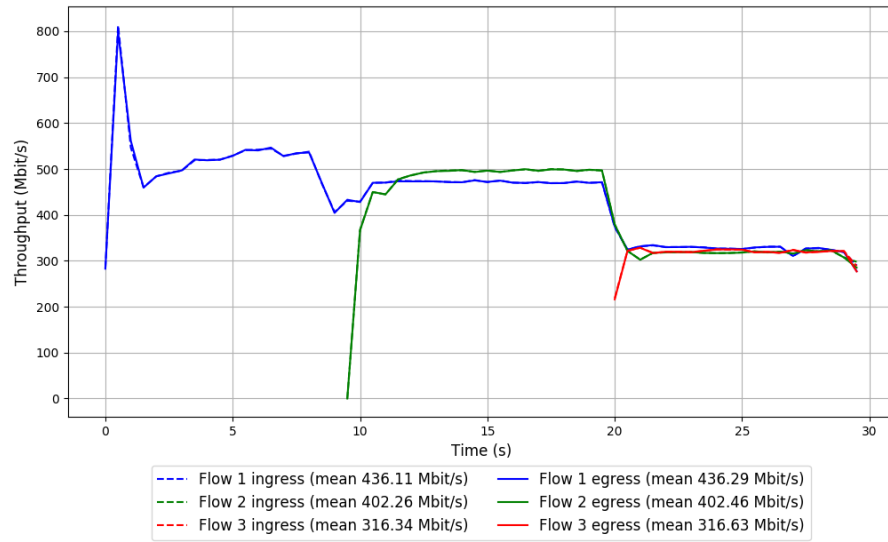


Run 10: Statistics of TCP Cubic

Start at: 2018-01-17 03:00:25
End at: 2018-01-17 03:00:55
Local clock offset: -1.267 ms
Remote clock offset: -1.992 ms

Below is generated by plot.py at 2018-01-17 08:55:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 809.10 Mbit/s
95th percentile per-packet one-way delay: 5.126 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 436.29 Mbit/s
95th percentile per-packet one-way delay: 5.311 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 402.46 Mbit/s
95th percentile per-packet one-way delay: 4.351 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.63 Mbit/s
95th percentile per-packet one-way delay: 4.403 ms
Loss rate: 0.23%

Run 10: Report of TCP Cubic — Data Link

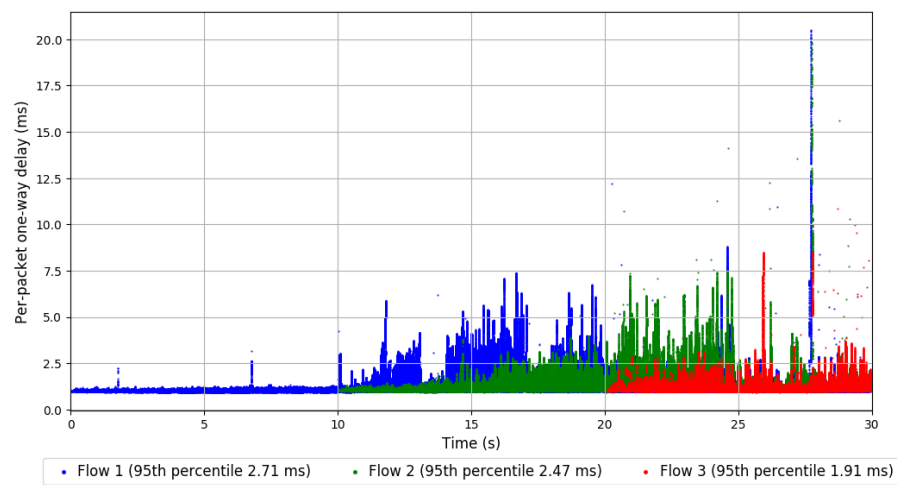
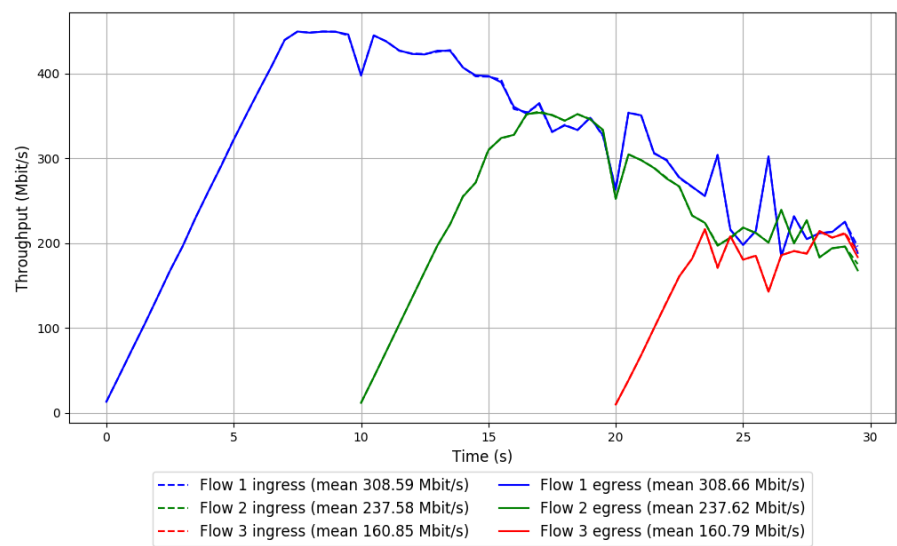


Run 1: Statistics of LEDBAT

Start at: 2018-01-16 23:16:36
End at: 2018-01-16 23:17:06
Local clock offset: -5.06 ms
Remote clock offset: -3.961 ms

Below is generated by plot.py at 2018-01-17 08:55:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 519.67 Mbit/s
95th percentile per-packet one-way delay: 2.580 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 308.66 Mbit/s
95th percentile per-packet one-way delay: 2.711 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 237.62 Mbit/s
95th percentile per-packet one-way delay: 2.468 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 160.79 Mbit/s
95th percentile per-packet one-way delay: 1.906 ms
Loss rate: 0.24%

Run 1: Report of LEDBAT — Data Link

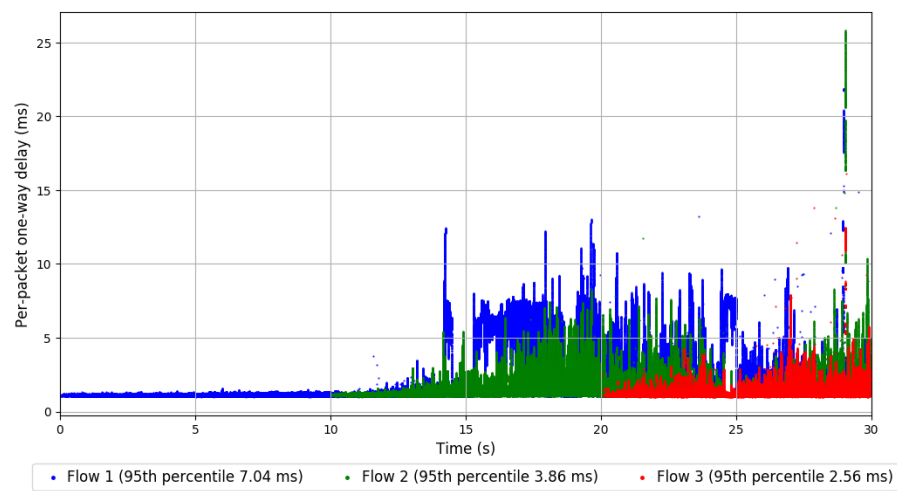
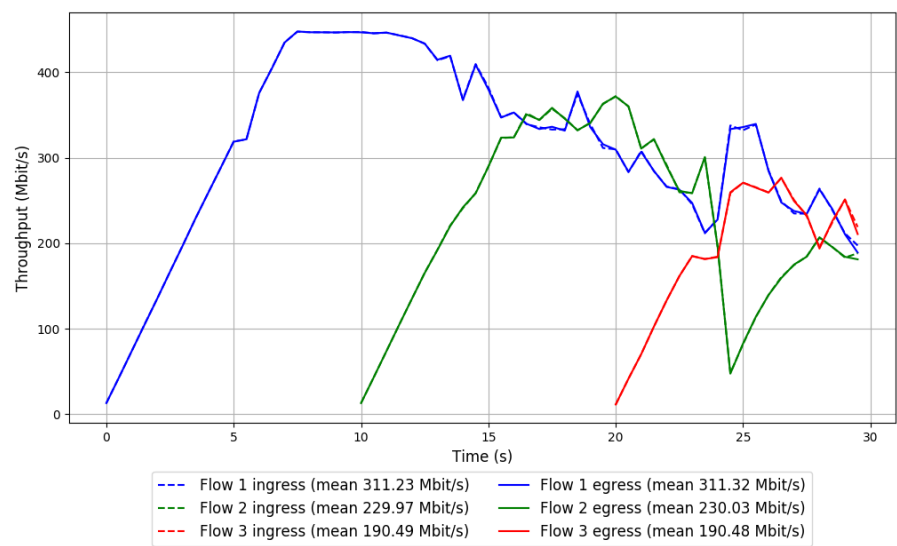


Run 2: Statistics of LEDBAT

Start at: 2018-01-16 23:43:50
End at: 2018-01-16 23:44:20
Local clock offset: -5.112 ms
Remote clock offset: -3.492 ms

Below is generated by plot.py at 2018-01-17 08:55:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 527.22 Mbit/s
95th percentile per-packet one-way delay: 6.411 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 311.32 Mbit/s
95th percentile per-packet one-way delay: 7.044 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 230.03 Mbit/s
95th percentile per-packet one-way delay: 3.856 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 190.48 Mbit/s
95th percentile per-packet one-way delay: 2.555 ms
Loss rate: 0.22%

Run 2: Report of LEDBAT — Data Link

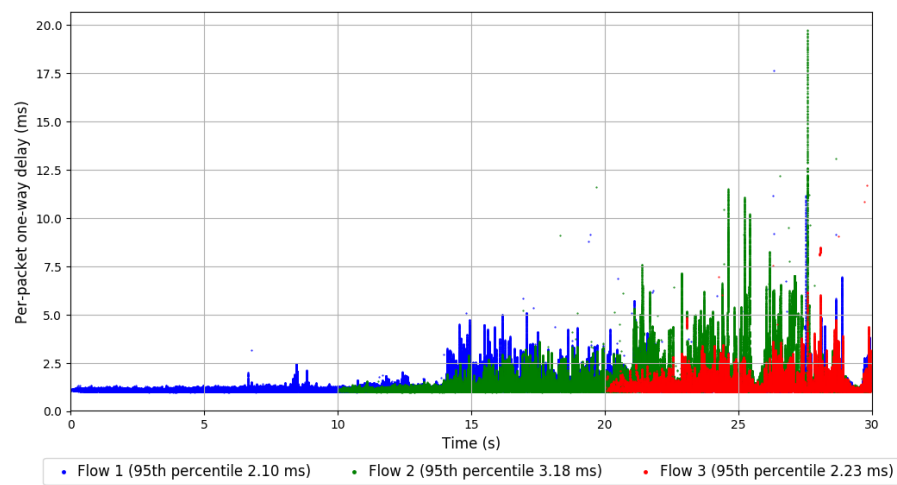
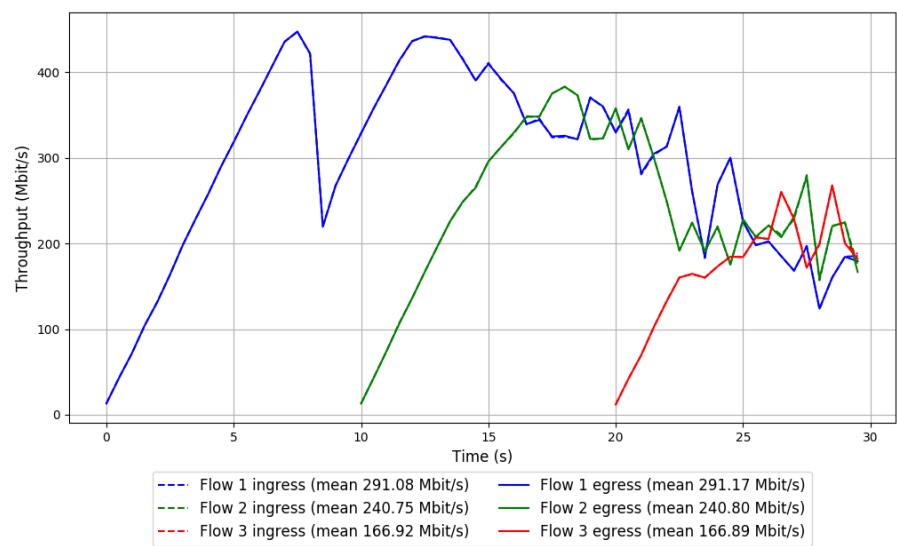


Run 3: Statistics of LEDBAT

Start at: 2018-01-17 00:11:23
End at: 2018-01-17 00:11:53
Local clock offset: -5.096 ms
Remote clock offset: -2.995 ms

Below is generated by plot.py at 2018-01-17 08:55:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 506.58 Mbit/s
95th percentile per-packet one-way delay: 2.406 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 291.17 Mbit/s
95th percentile per-packet one-way delay: 2.103 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 240.80 Mbit/s
95th percentile per-packet one-way delay: 3.177 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 166.89 Mbit/s
95th percentile per-packet one-way delay: 2.232 ms
Loss rate: 0.18%

Run 3: Report of LEDBAT — Data Link

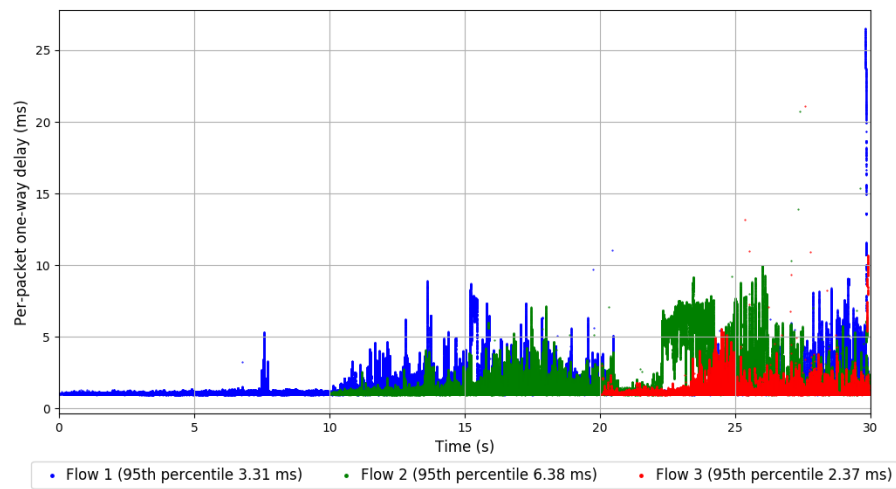
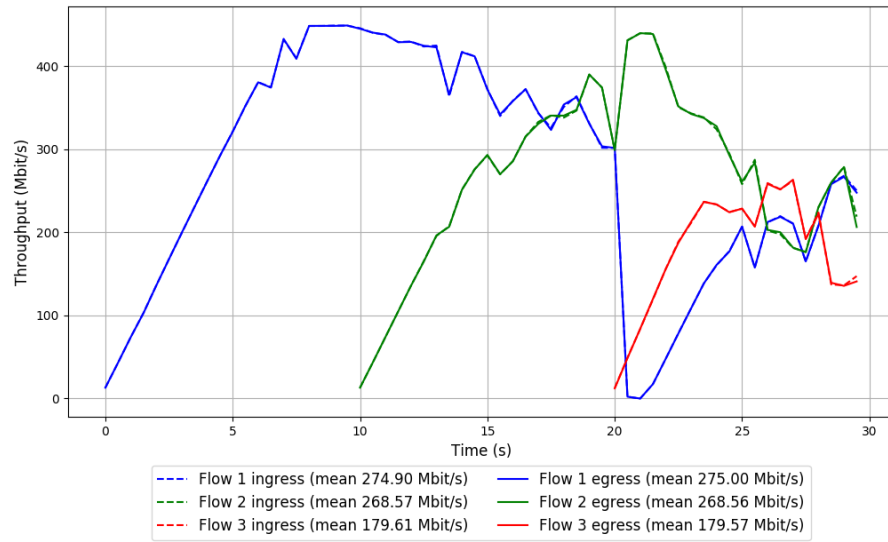


Run 4: Statistics of LEDBAT

Start at: 2018-01-17 00:38:48
End at: 2018-01-17 00:39:18
Local clock offset: -5.353 ms
Remote clock offset: -2.165 ms

Below is generated by plot.py at 2018-01-17 08:55:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 513.03 Mbit/s
95th percentile per-packet one-way delay: 4.933 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 275.00 Mbit/s
95th percentile per-packet one-way delay: 3.313 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 268.56 Mbit/s
95th percentile per-packet one-way delay: 6.379 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 179.57 Mbit/s
95th percentile per-packet one-way delay: 2.374 ms
Loss rate: 0.19%

Run 4: Report of LEDBAT — Data Link

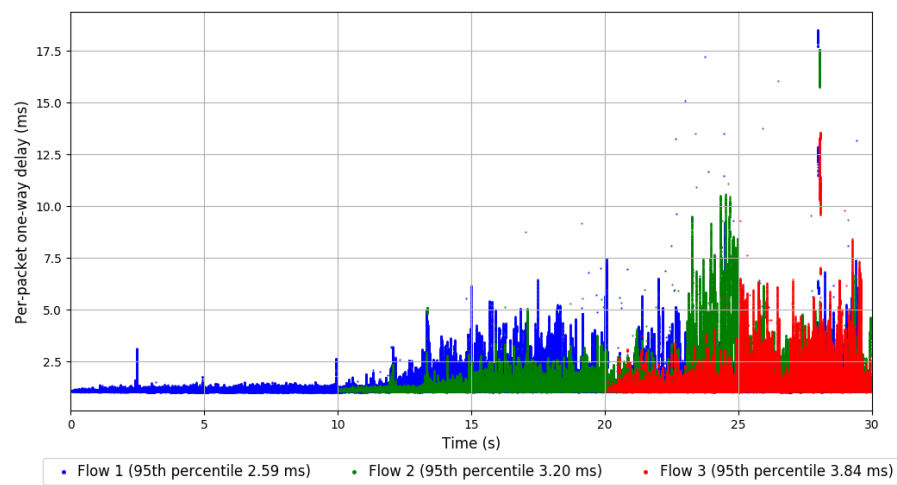
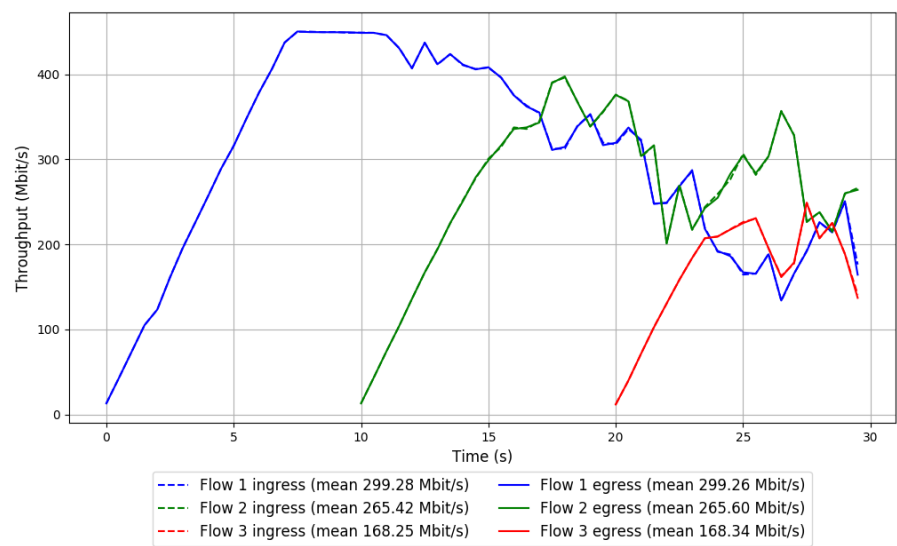


Run 5: Statistics of LEDBAT

Start at: 2018-01-17 01:06:29
End at: 2018-01-17 01:06:59
Local clock offset: -5.298 ms
Remote clock offset: -1.902 ms

Below is generated by plot.py at 2018-01-17 08:58:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 531.58 Mbit/s
95th percentile per-packet one-way delay: 2.909 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 299.26 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 265.60 Mbit/s
95th percentile per-packet one-way delay: 3.202 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 168.34 Mbit/s
95th percentile per-packet one-way delay: 3.844 ms
Loss rate: 0.13%

Run 5: Report of LEDBAT — Data Link

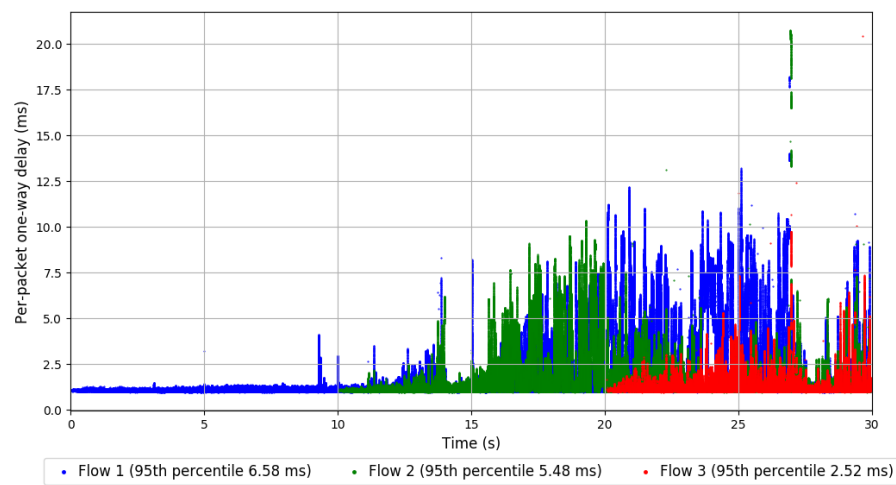
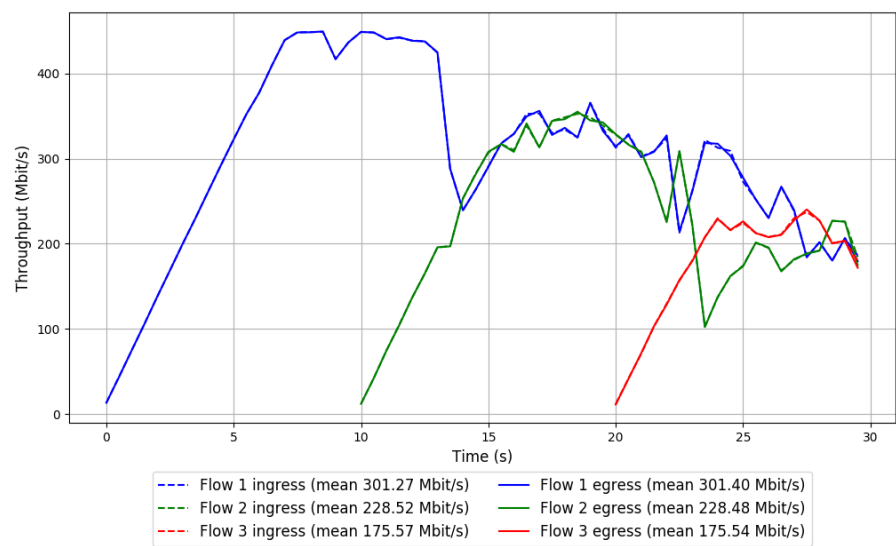


Run 6: Statistics of LEDBAT

Start at: 2018-01-17 01:33:27
End at: 2018-01-17 01:33:57
Local clock offset: -5.139 ms
Remote clock offset: -1.672 ms

Below is generated by plot.py at 2018-01-17 08:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 511.30 Mbit/s
95th percentile per-packet one-way delay: 5.794 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 301.40 Mbit/s
95th percentile per-packet one-way delay: 6.580 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 228.48 Mbit/s
95th percentile per-packet one-way delay: 5.484 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 2.522 ms
Loss rate: 0.25%

Run 6: Report of LEDBAT — Data Link

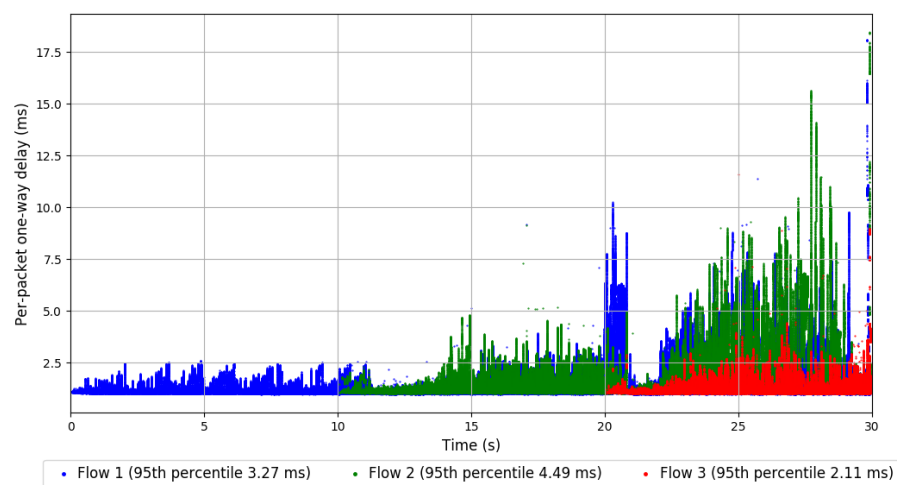
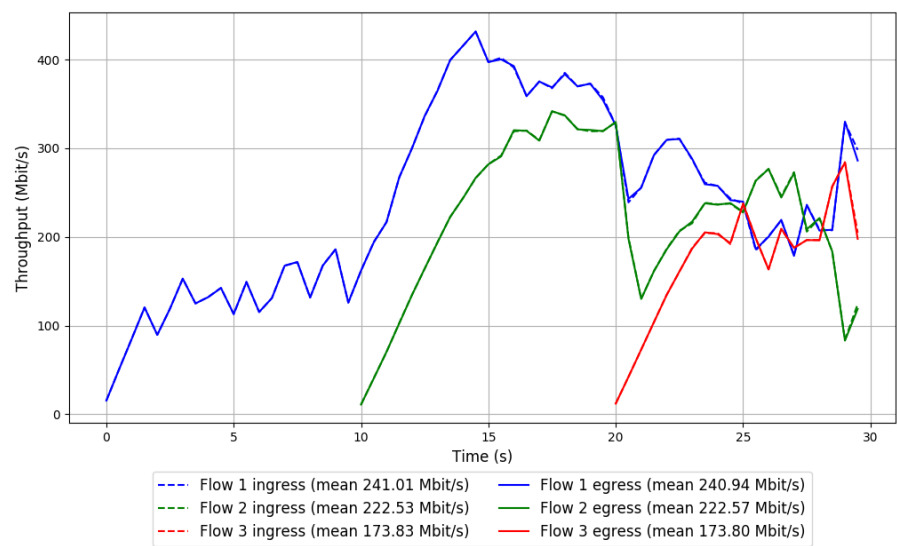


Run 7: Statistics of LEDBAT

Start at: 2018-01-17 02:01:05
End at: 2018-01-17 02:01:35
Local clock offset: -4.206 ms
Remote clock offset: -1.837 ms

Below is generated by plot.py at 2018-01-17 08:58:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 446.23 Mbit/s
95th percentile per-packet one-way delay: 3.529 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 240.94 Mbit/s
95th percentile per-packet one-way delay: 3.265 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 222.57 Mbit/s
95th percentile per-packet one-way delay: 4.489 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 173.80 Mbit/s
95th percentile per-packet one-way delay: 2.110 ms
Loss rate: 0.21%

Run 7: Report of LEDBAT — Data Link

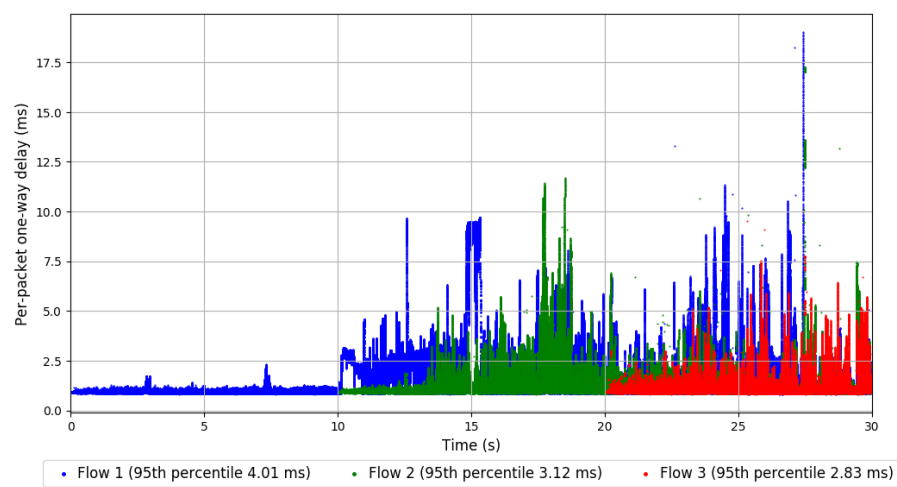
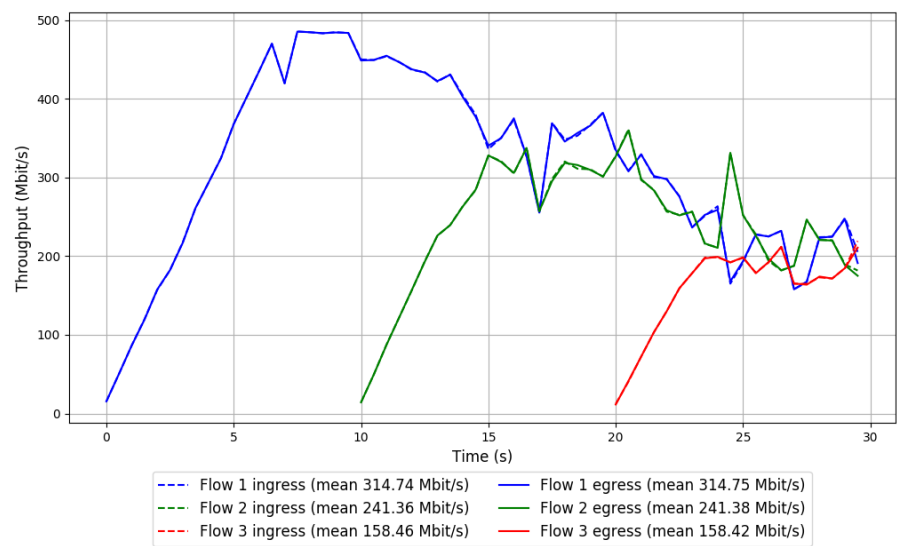


Run 8: Statistics of LEDBAT

Start at: 2018-01-17 02:28:17
End at: 2018-01-17 02:28:47
Local clock offset: -2.938 ms
Remote clock offset: -1.867 ms

Below is generated by plot.py at 2018-01-17 08:59:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 527.63 Mbit/s
95th percentile per-packet one-way delay: 3.585 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 314.75 Mbit/s
95th percentile per-packet one-way delay: 4.010 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 241.38 Mbit/s
95th percentile per-packet one-way delay: 3.125 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 158.42 Mbit/s
95th percentile per-packet one-way delay: 2.835 ms
Loss rate: 0.27%

Run 8: Report of LEDBAT — Data Link

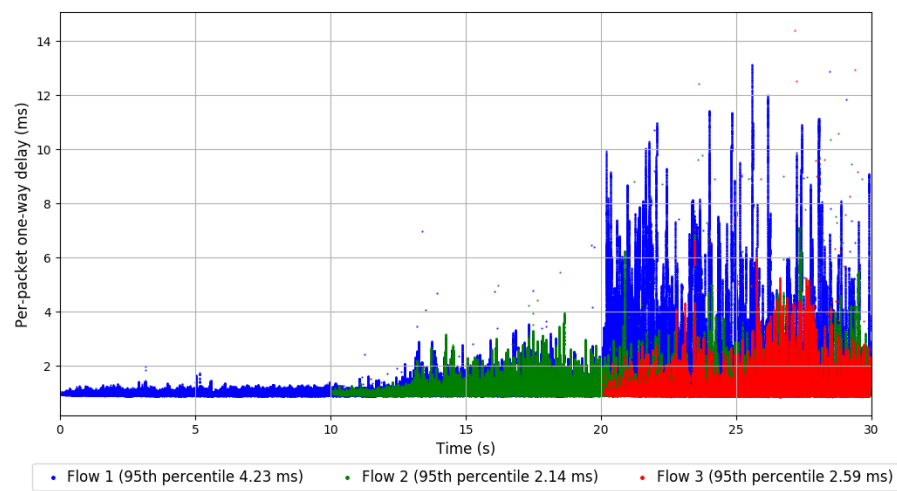
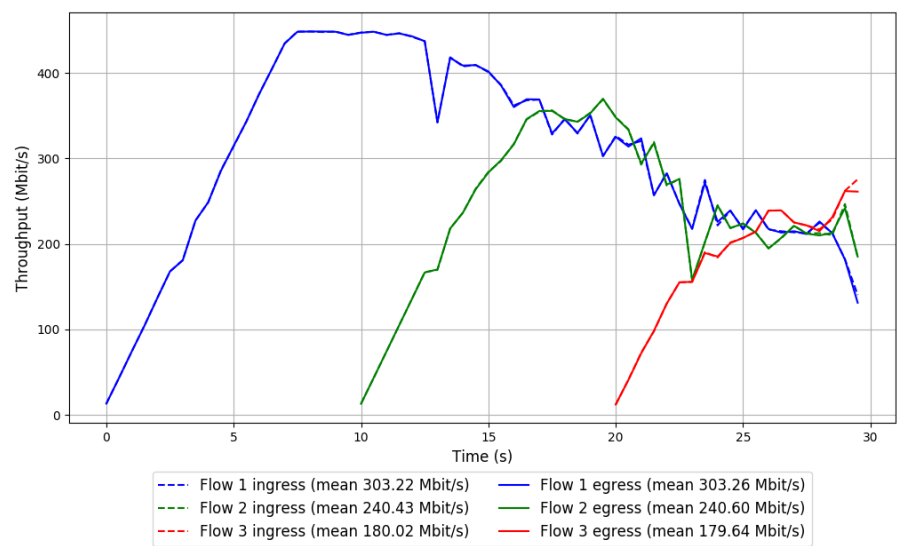


Run 9: Statistics of LEDBAT

Start at: 2018-01-17 02:55:58
End at: 2018-01-17 02:56:28
Local clock offset: -1.65 ms
Remote clock offset: -2.072 ms

Below is generated by plot.py at 2018-01-17 09:01:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 522.66 Mbit/s
95th percentile per-packet one-way delay: 3.274 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 303.26 Mbit/s
95th percentile per-packet one-way delay: 4.226 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 240.60 Mbit/s
95th percentile per-packet one-way delay: 2.136 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 179.64 Mbit/s
95th percentile per-packet one-way delay: 2.594 ms
Loss rate: 0.42%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-01-17 03:23:16

End at: 2018-01-17 03:23:46

Local clock offset: -1.106 ms

Remote clock offset: -2.46 ms

Below is generated by plot.py at 2018-01-17 09:01:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 510.12 Mbit/s

95th percentile per-packet one-way delay: 5.342 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 299.64 Mbit/s

95th percentile per-packet one-way delay: 5.552 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 234.88 Mbit/s

95th percentile per-packet one-way delay: 5.131 ms

Loss rate: 0.14%

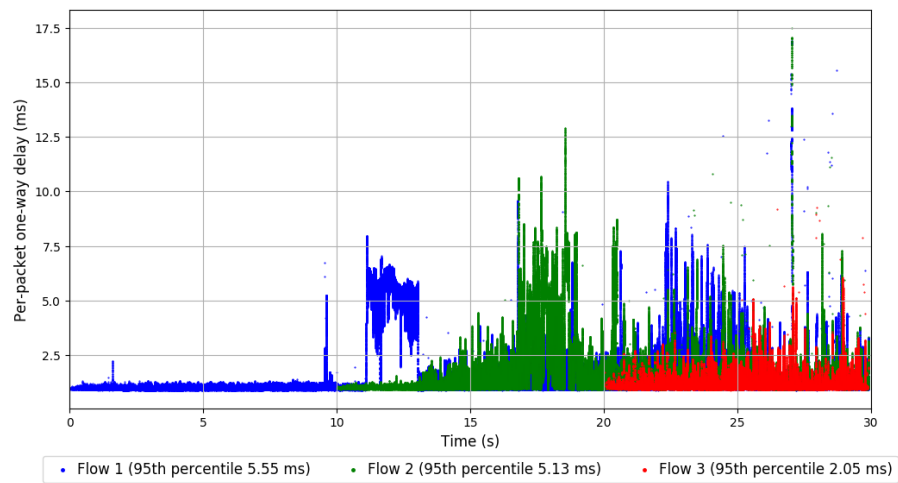
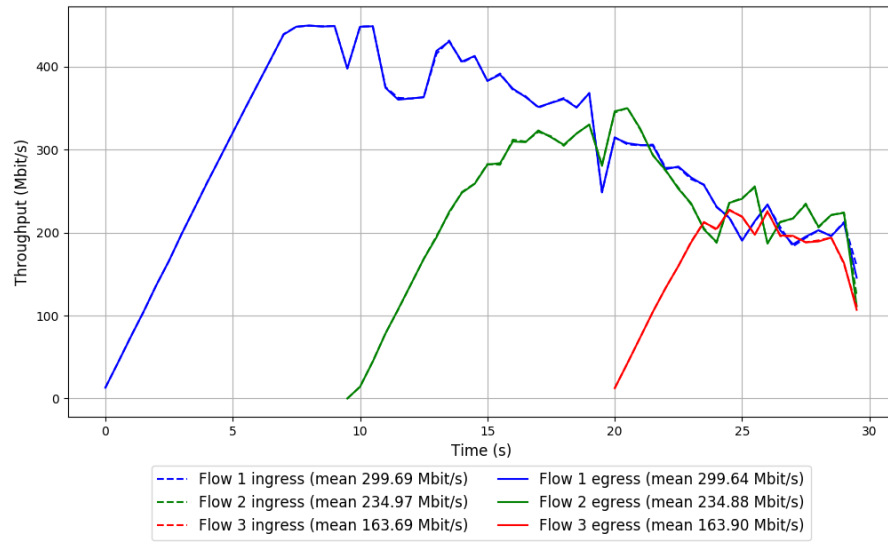
-- Flow 3:

Average throughput: 163.90 Mbit/s

95th percentile per-packet one-way delay: 2.049 ms

Loss rate: 0.12%

Run 10: Report of LEDBAT — Data Link

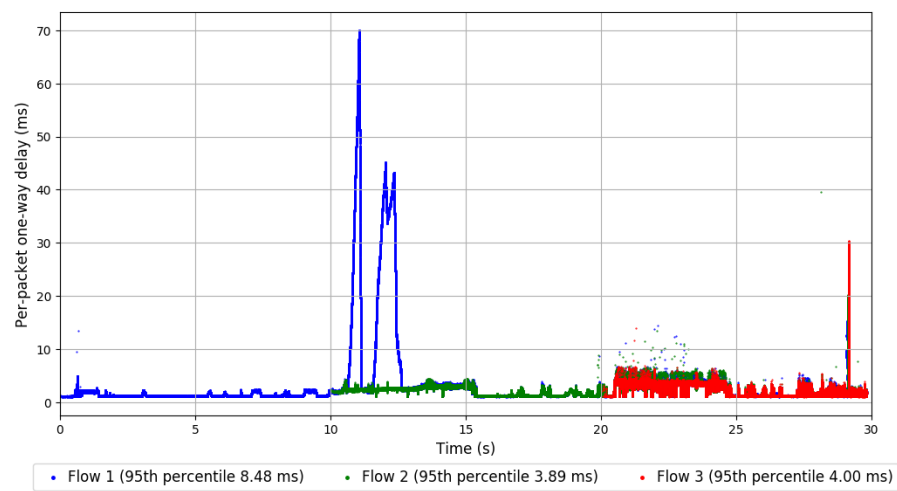
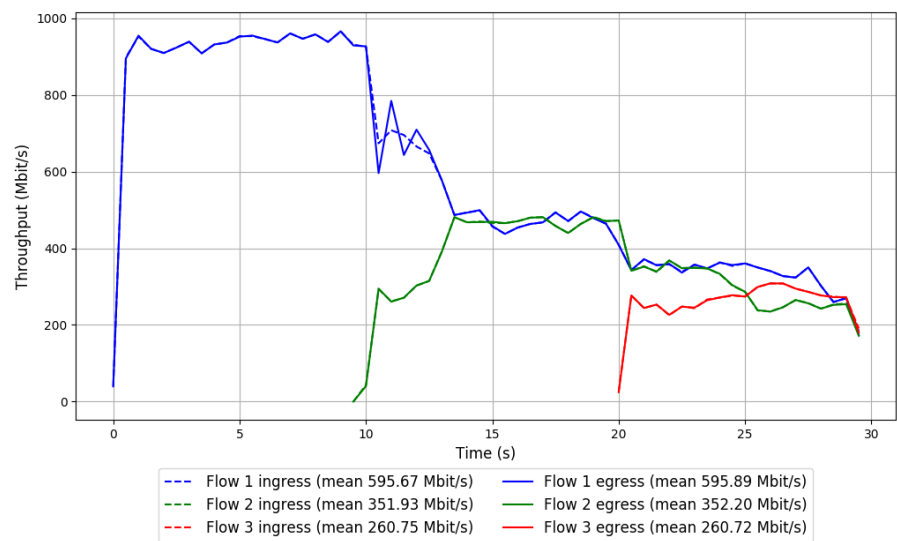


Run 1: Statistics of PCC

Start at: 2018-01-16 23:18:13
End at: 2018-01-16 23:18:43
Local clock offset: -5.065 ms
Remote clock offset: -3.965 ms

Below is generated by plot.py at 2018-01-17 09:07:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 915.65 Mbit/s
95th percentile per-packet one-way delay: 4.098 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 595.89 Mbit/s
95th percentile per-packet one-way delay: 8.477 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 352.20 Mbit/s
95th percentile per-packet one-way delay: 3.891 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 260.72 Mbit/s
95th percentile per-packet one-way delay: 4.005 ms
Loss rate: 0.22%

Run 1: Report of PCC — Data Link

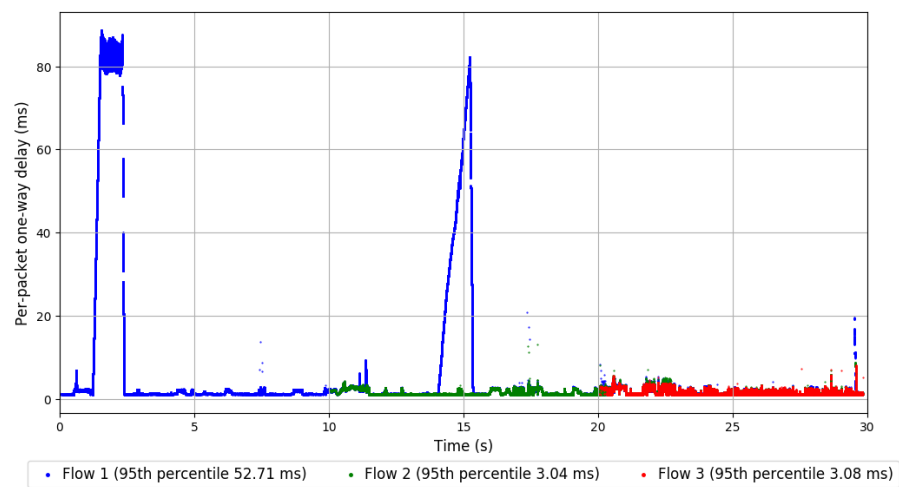
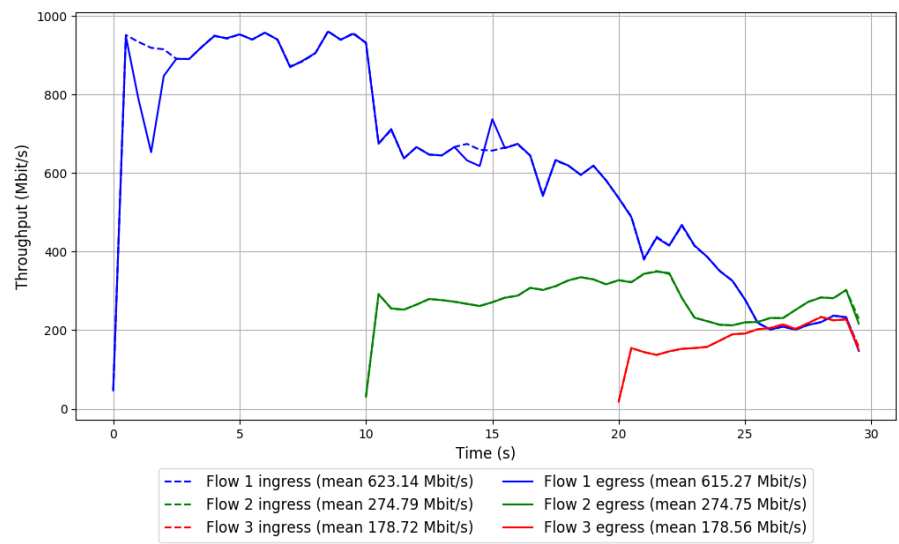


Run 2: Statistics of PCC

Start at: 2018-01-16 23:45:28
End at: 2018-01-16 23:45:58
Local clock offset: -5.099 ms
Remote clock offset: -3.484 ms

Below is generated by plot.py at 2018-01-17 09:07:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 856.36 Mbit/s
95th percentile per-packet one-way delay: 29.655 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 615.27 Mbit/s
95th percentile per-packet one-way delay: 52.712 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 274.75 Mbit/s
95th percentile per-packet one-way delay: 3.043 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 178.56 Mbit/s
95th percentile per-packet one-way delay: 3.081 ms
Loss rate: 0.25%

Run 2: Report of PCC — Data Link

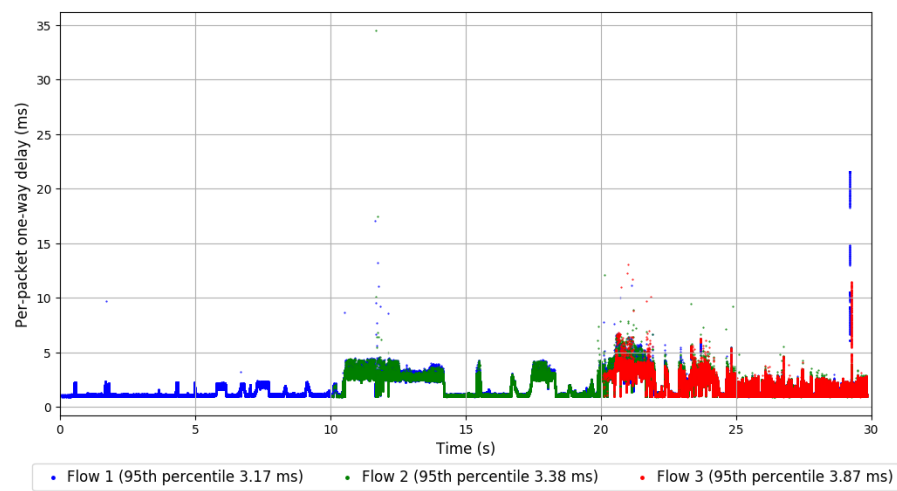
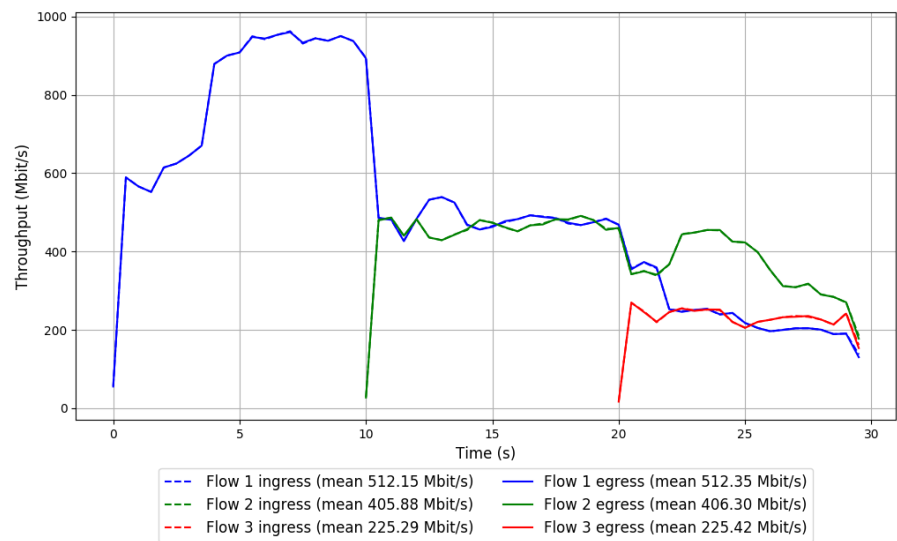


Run 3: Statistics of PCC

Start at: 2018-01-17 00:12:59
End at: 2018-01-17 00:13:29
Local clock offset: -5.203 ms
Remote clock offset: -3.018 ms

Below is generated by plot.py at 2018-01-17 09:09:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 856.05 Mbit/s
95th percentile per-packet one-way delay: 3.314 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 512.35 Mbit/s
95th percentile per-packet one-way delay: 3.173 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 406.30 Mbit/s
95th percentile per-packet one-way delay: 3.378 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 225.42 Mbit/s
95th percentile per-packet one-way delay: 3.873 ms
Loss rate: 0.20%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-01-17 00:40:25

End at: 2018-01-17 00:40:55

Local clock offset: -5.268 ms

Remote clock offset: -2.06 ms

Below is generated by plot.py at 2018-01-17 09:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 870.15 Mbit/s

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

Loss rate: 0.06%

-- Flow 1:

Average throughput: 746.25 Mbit/s

95th percentile per-packet one-way delay: 2.911 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 2.985 ms

Loss rate: 0.15%

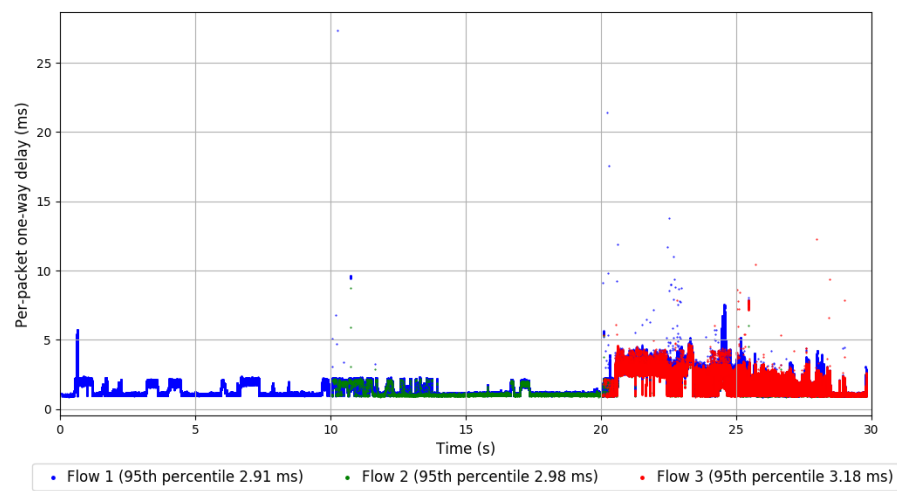
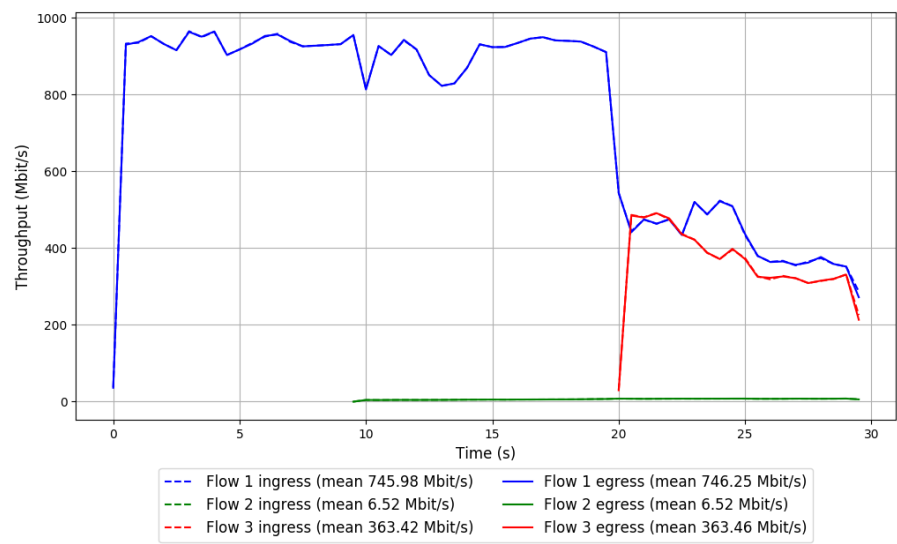
-- Flow 3:

Average throughput: 363.46 Mbit/s

95th percentile per-packet one-way delay: 3.177 ms

Loss rate: 0.19%

Run 4: Report of PCC — Data Link

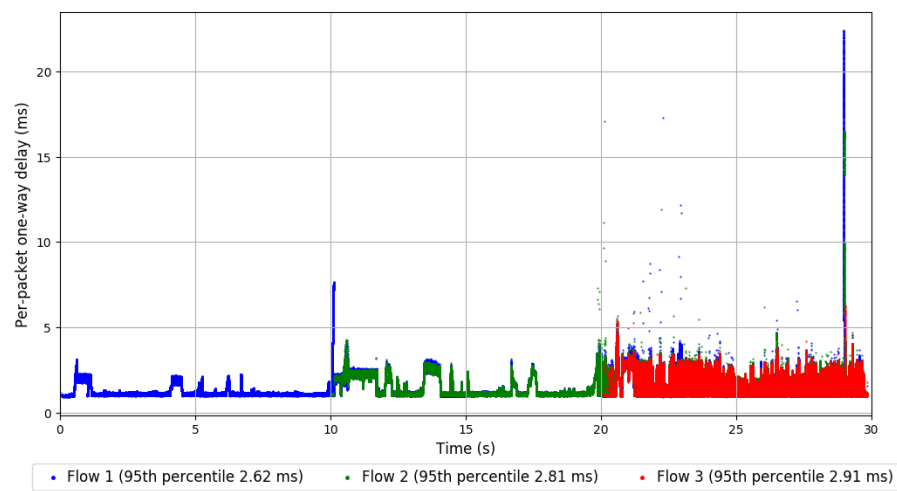
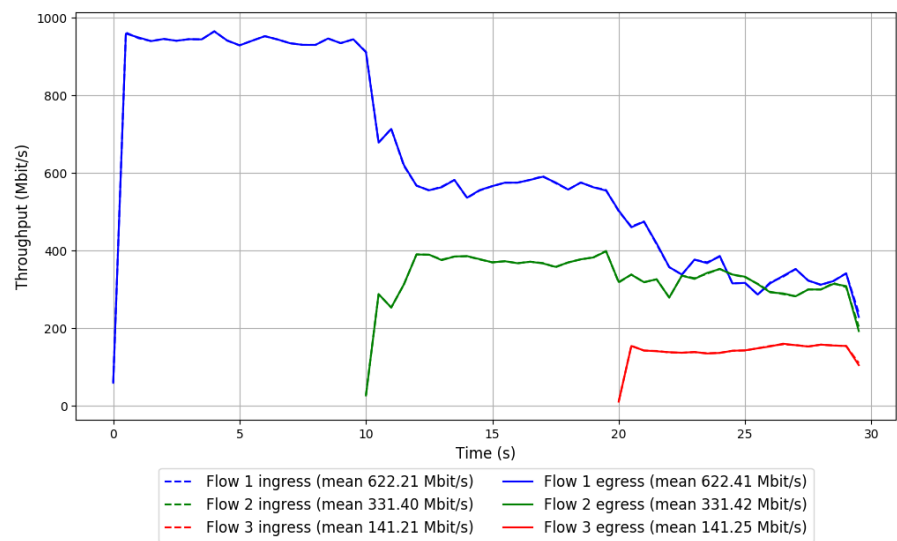


Run 5: Statistics of PCC

Start at: 2018-01-17 01:08:06
End at: 2018-01-17 01:08:36
Local clock offset: -5.37 ms
Remote clock offset: -1.877 ms

Below is generated by plot.py at 2018-01-17 09:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 888.84 Mbit/s
95th percentile per-packet one-way delay: 2.702 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 622.41 Mbit/s
95th percentile per-packet one-way delay: 2.615 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 331.42 Mbit/s
95th percentile per-packet one-way delay: 2.807 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 141.25 Mbit/s
95th percentile per-packet one-way delay: 2.910 ms
Loss rate: 0.21%

Run 5: Report of PCC — Data Link

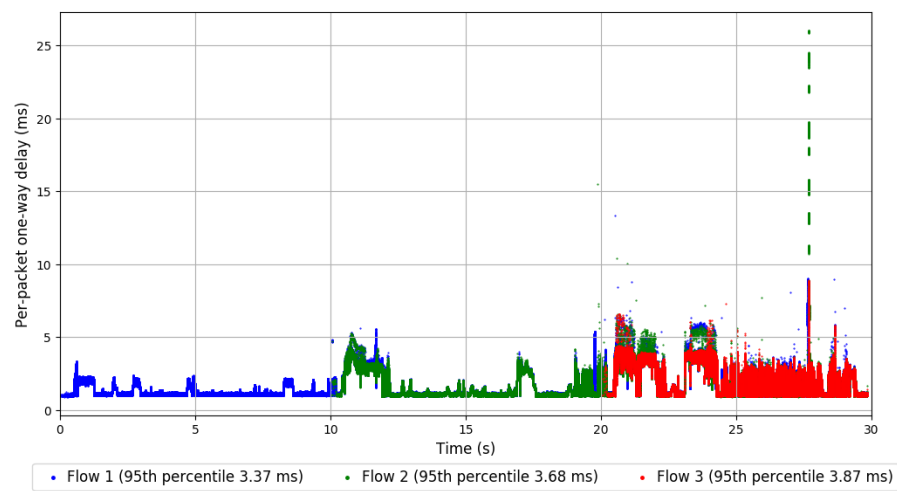
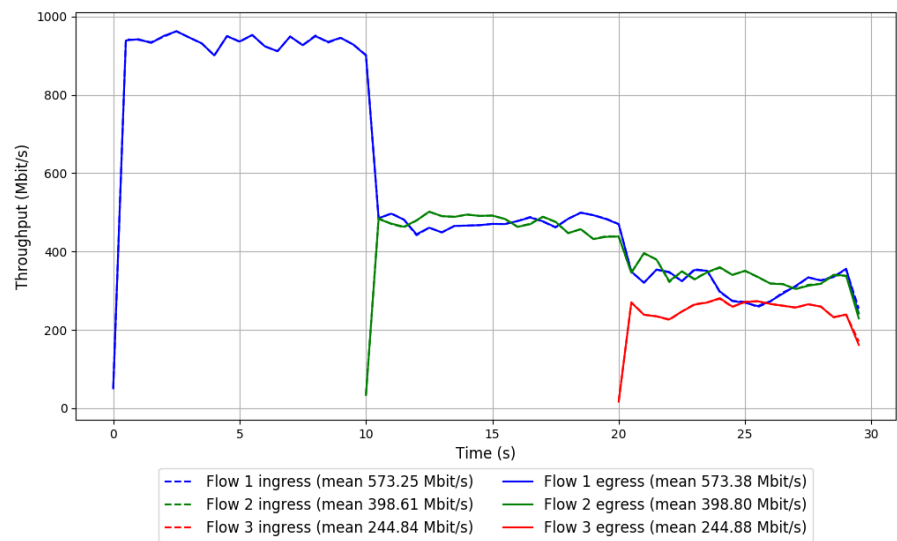


Run 6: Statistics of PCC

Start at: 2018-01-17 01:35:04
End at: 2018-01-17 01:35:34
Local clock offset: -5.205 ms
Remote clock offset: -1.728 ms

Below is generated by plot.py at 2018-01-17 09:12:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 918.65 Mbit/s
95th percentile per-packet one-way delay: 3.629 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 573.38 Mbit/s
95th percentile per-packet one-way delay: 3.365 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 398.80 Mbit/s
95th percentile per-packet one-way delay: 3.680 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 244.88 Mbit/s
95th percentile per-packet one-way delay: 3.866 ms
Loss rate: 0.19%

Run 6: Report of PCC — Data Link

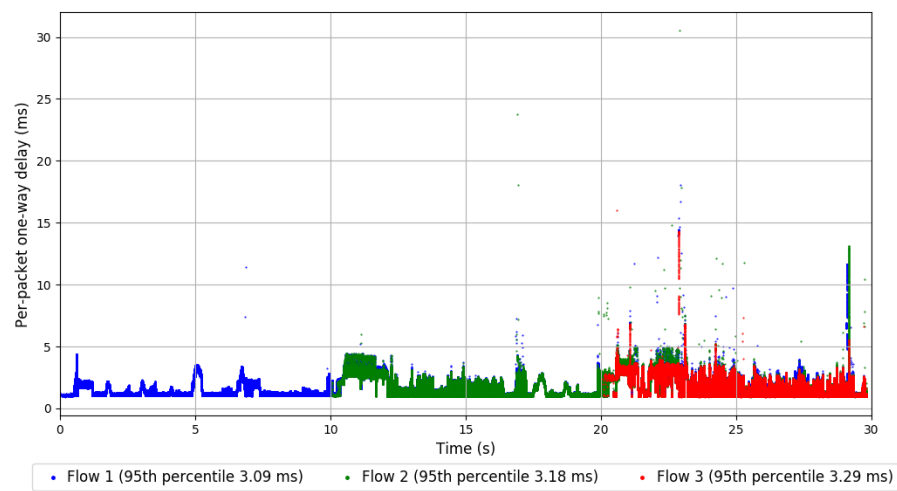
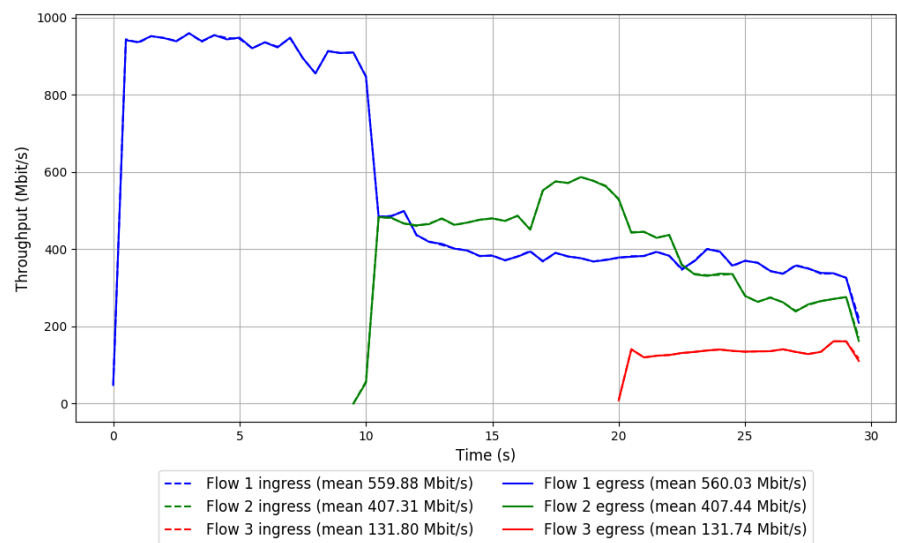


Run 7: Statistics of PCC

Start at: 2018-01-17 02:02:39
End at: 2018-01-17 02:03:09
Local clock offset: -4.171 ms
Remote clock offset: -1.862 ms

Below is generated by plot.py at 2018-01-17 09:14:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 874.09 Mbit/s
95th percentile per-packet one-way delay: 3.144 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 560.03 Mbit/s
95th percentile per-packet one-way delay: 3.093 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 407.44 Mbit/s
95th percentile per-packet one-way delay: 3.182 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 131.74 Mbit/s
95th percentile per-packet one-way delay: 3.289 ms
Loss rate: 0.25%

Run 7: Report of PCC — Data Link

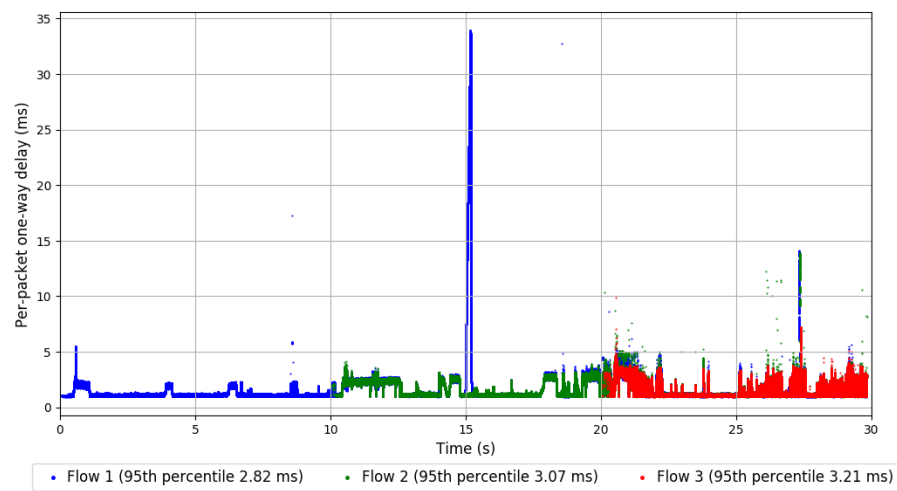
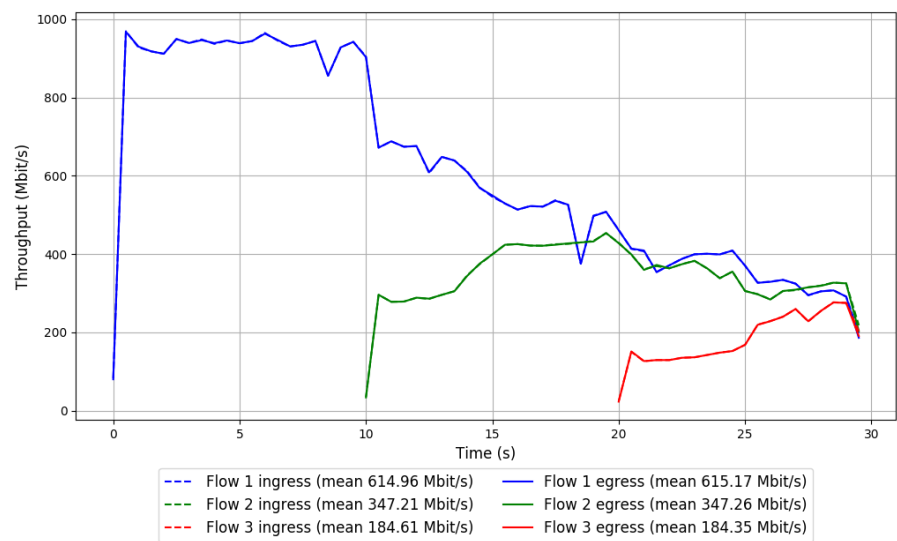


Run 8: Statistics of PCC

Start at: 2018-01-17 02:29:55
End at: 2018-01-17 02:30:25
Local clock offset: -2.798 ms
Remote clock offset: -1.906 ms

Below is generated by plot.py at 2018-01-17 09:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 906.41 Mbit/s
95th percentile per-packet one-way delay: 2.928 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 615.17 Mbit/s
95th percentile per-packet one-way delay: 2.819 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 347.26 Mbit/s
95th percentile per-packet one-way delay: 3.069 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 184.35 Mbit/s
95th percentile per-packet one-way delay: 3.206 ms
Loss rate: 0.35%

Run 8: Report of PCC — Data Link

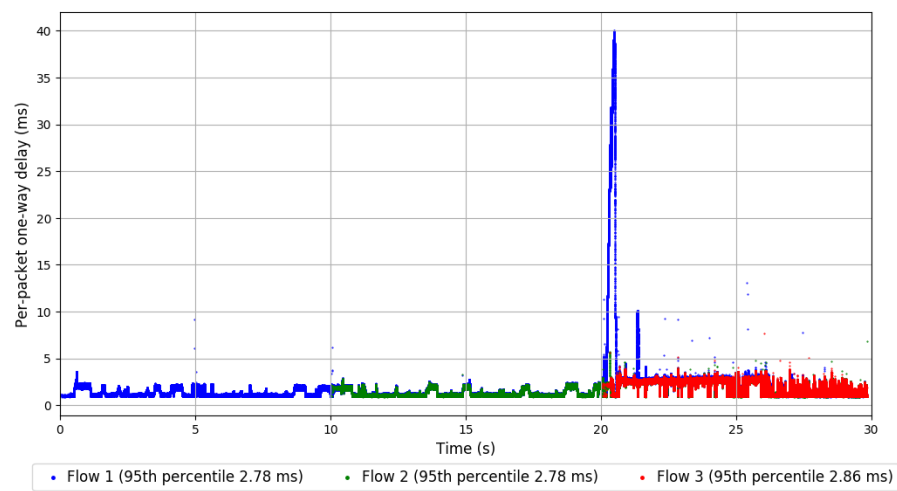
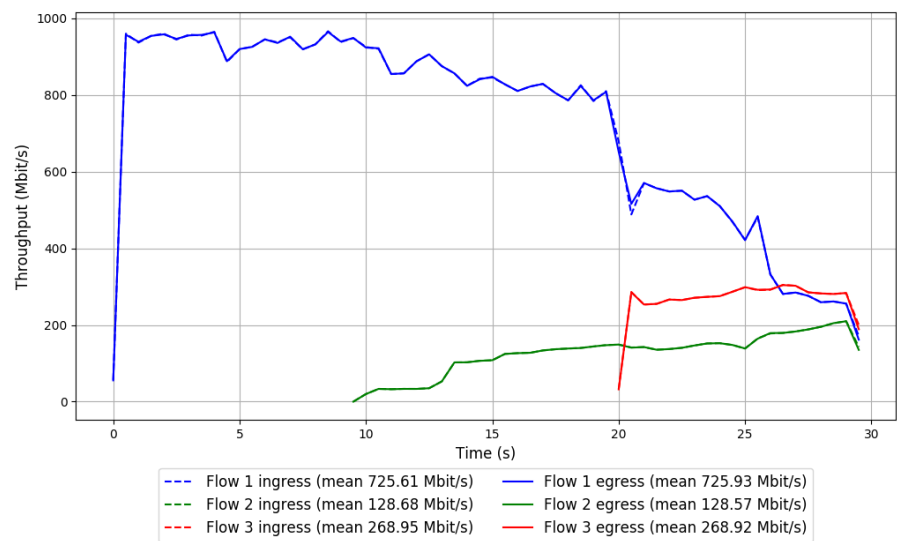


Run 9: Statistics of PCC

Start at: 2018-01-17 02:57:36
End at: 2018-01-17 02:58:06
Local clock offset: -1.448 ms
Remote clock offset: -2.002 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 899.67 Mbit/s
95th percentile per-packet one-way delay: 2.791 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 725.93 Mbit/s
95th percentile per-packet one-way delay: 2.776 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 128.57 Mbit/s
95th percentile per-packet one-way delay: 2.777 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 268.92 Mbit/s
95th percentile per-packet one-way delay: 2.860 ms
Loss rate: 0.21%

Run 9: Report of PCC — Data Link

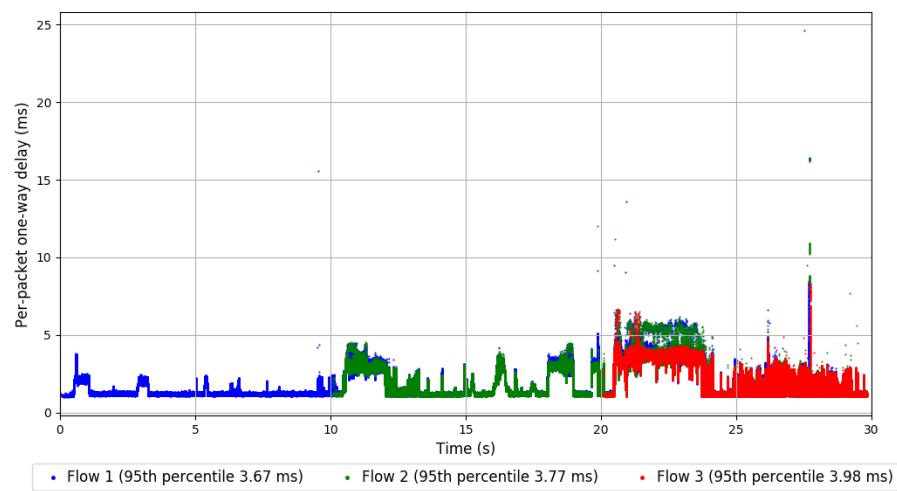
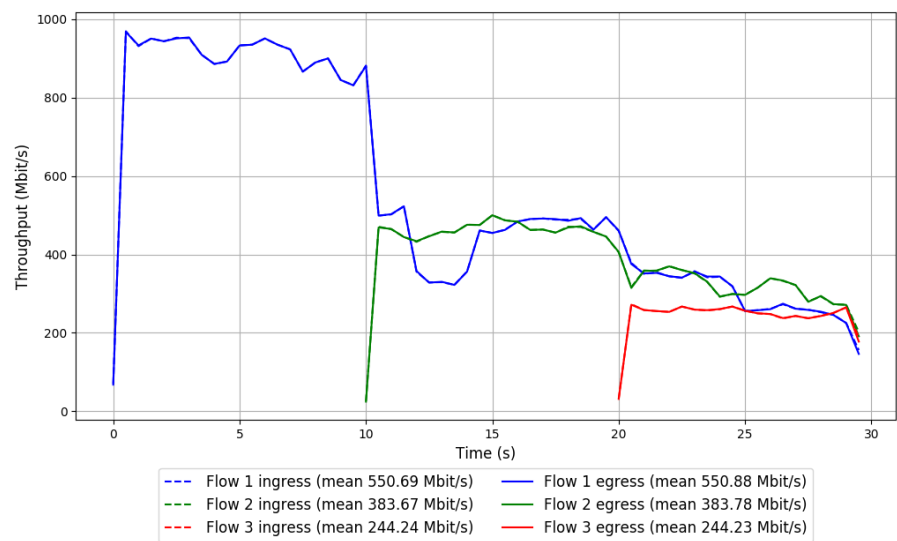


Run 10: Statistics of PCC

Start at: 2018-01-17 03:24:54
End at: 2018-01-17 03:25:24
Local clock offset: -1.056 ms
Remote clock offset: -2.458 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 885.95 Mbit/s
95th percentile per-packet one-way delay: 3.800 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 550.88 Mbit/s
95th percentile per-packet one-way delay: 3.666 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 383.78 Mbit/s
95th percentile per-packet one-way delay: 3.771 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 244.23 Mbit/s
95th percentile per-packet one-way delay: 3.977 ms
Loss rate: 0.23%

Run 10: Report of PCC — Data Link

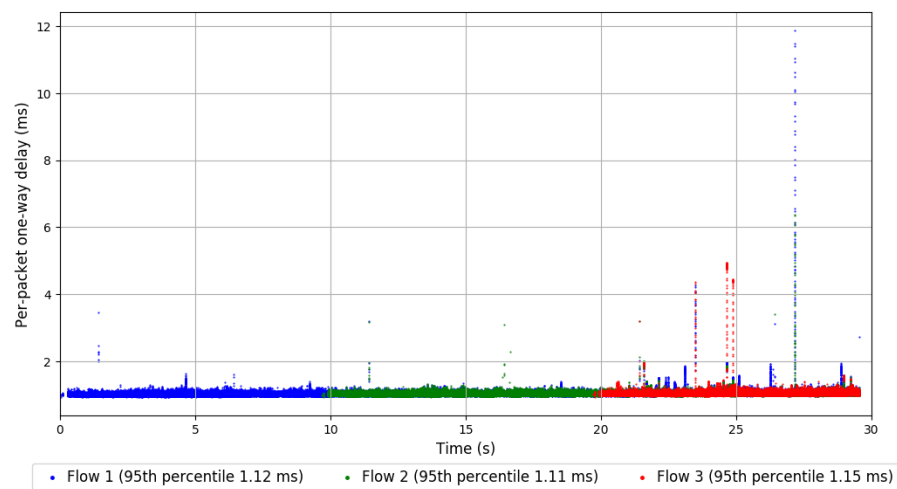
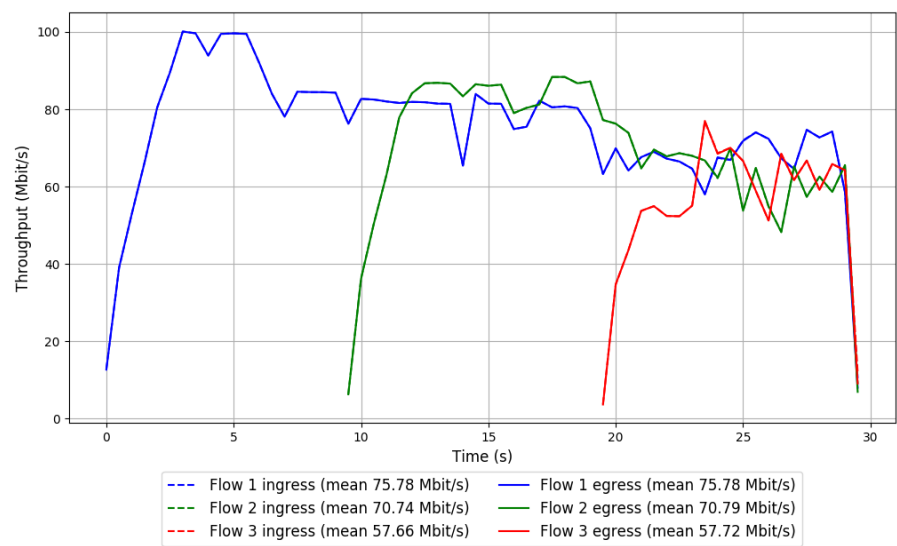


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-16 23:15:19
End at: 2018-01-16 23:15:49
Local clock offset: -5.06 ms
Remote clock offset: -4.011 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.61 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 1.114 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.26%

Run 1: Report of QUIC Cubic — Data Link

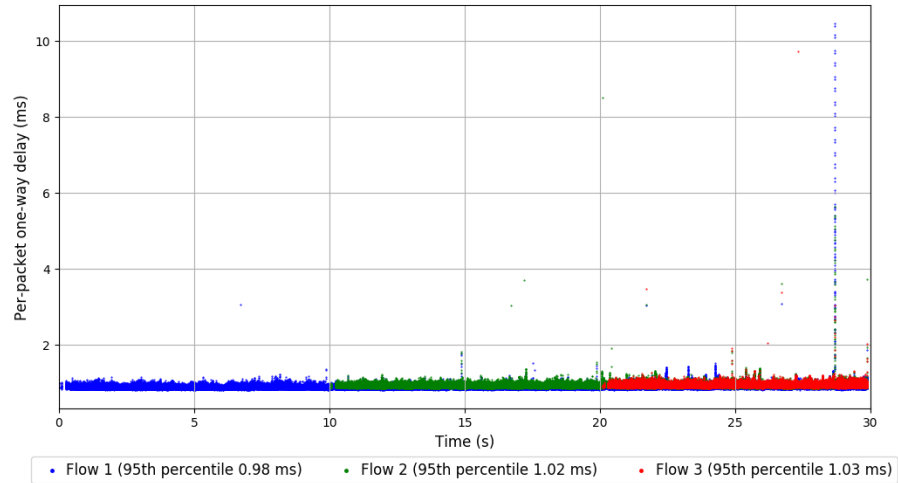
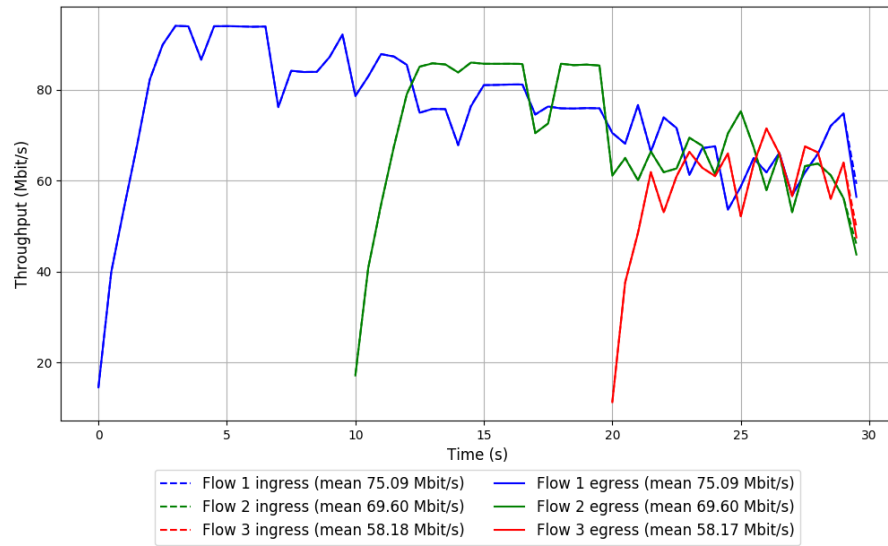


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-16 23:42:33
End at: 2018-01-16 23:43:03
Local clock offset: -5.169 ms
Remote clock offset: -3.383 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.46 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 0.978 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.21%

Run 2: Report of QUIC Cubic — Data Link

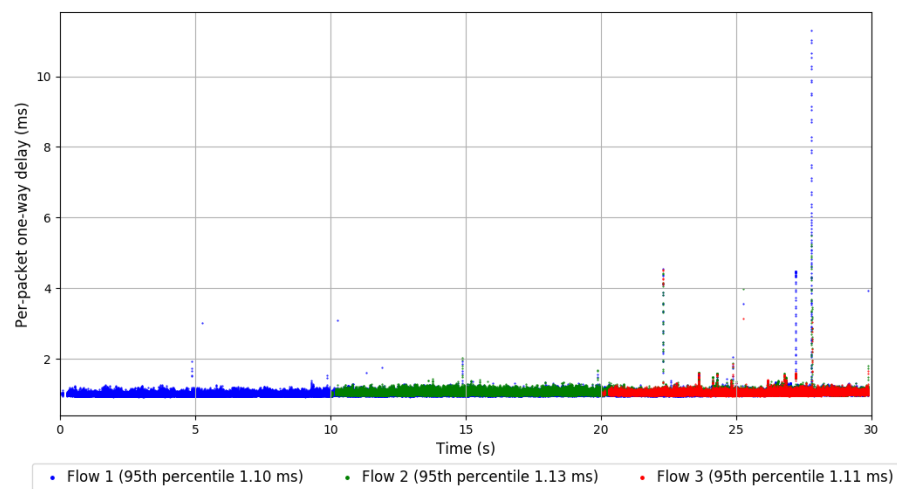
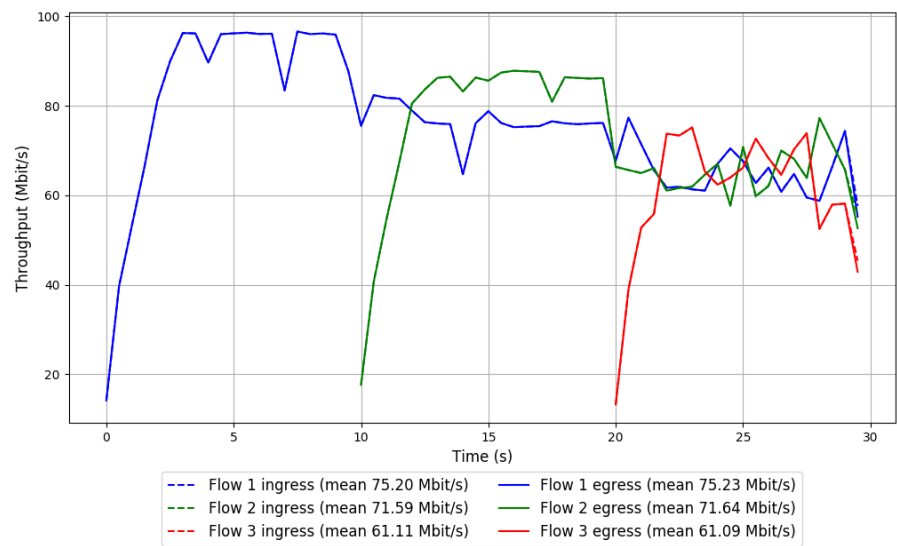


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-17 00:10:06
End at: 2018-01-17 00:10:36
Local clock offset: -5.192 ms
Remote clock offset: -3.103 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.99 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 75.23 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 71.64 Mbit/s
95th percentile per-packet one-way delay: 1.131 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.22%

Run 3: Report of QUIC Cubic — Data Link

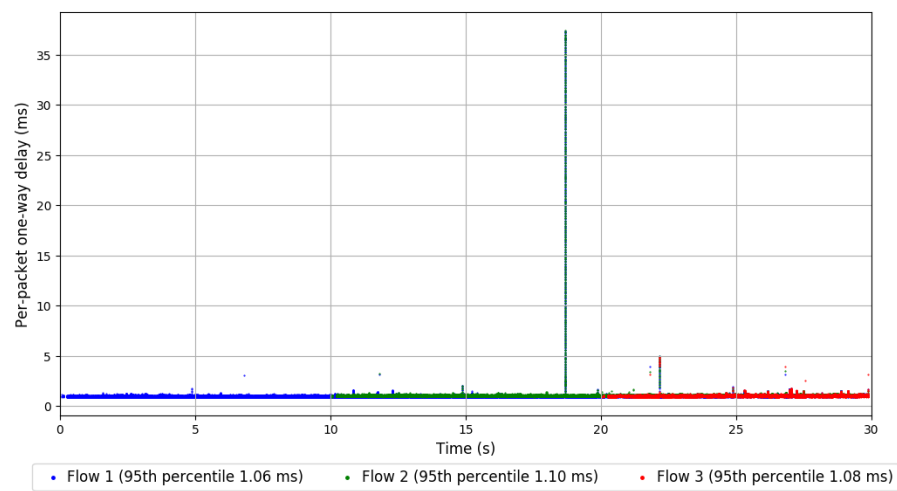
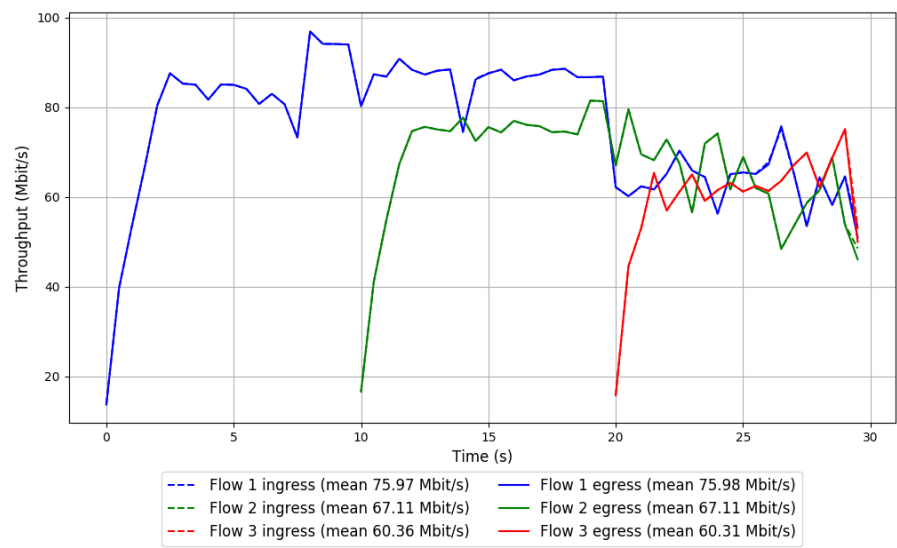


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-17 00:37:31
End at: 2018-01-17 00:38:01
Local clock offset: -5.315 ms
Remote clock offset: -2.143 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.46 Mbit/s
95th percentile per-packet one-way delay: 1.081 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 75.98 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 67.11 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.26%

Run 4: Report of QUIC Cubic — Data Link

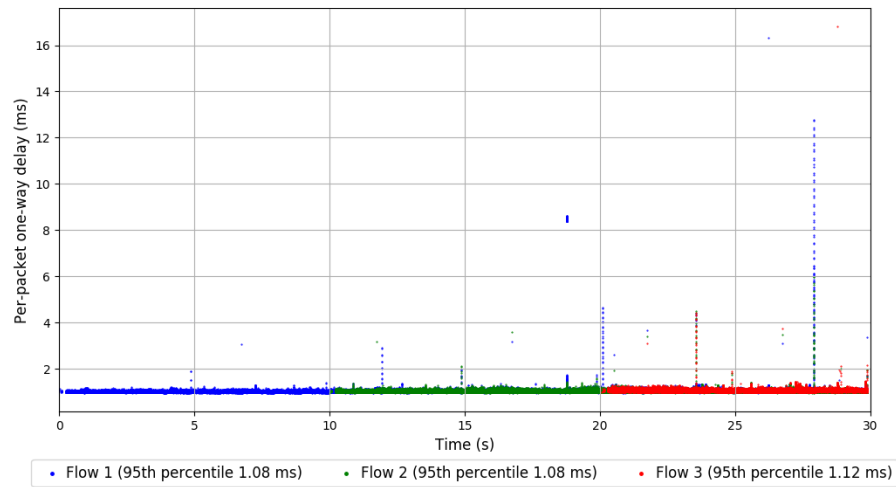
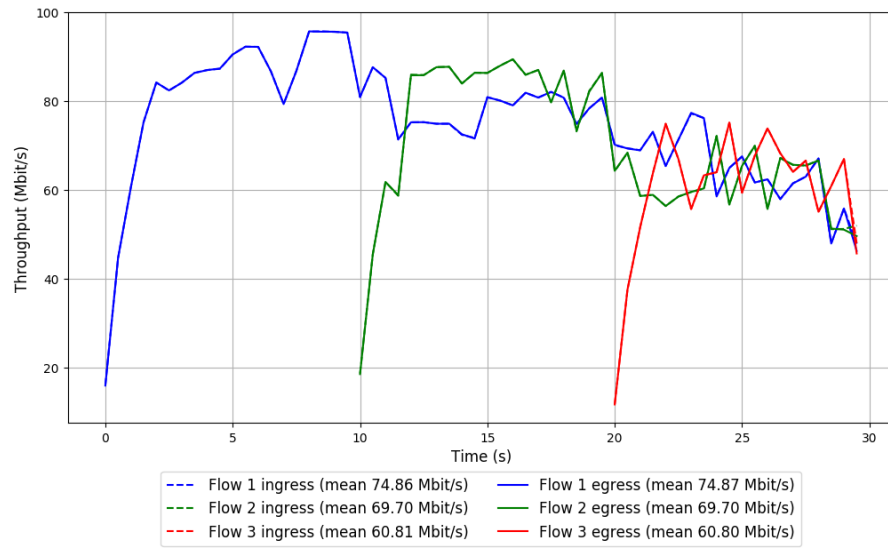


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-17 01:05:12
End at: 2018-01-17 01:05:42
Local clock offset: -5.401 ms
Remote clock offset: -1.941 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.18 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 60.80 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.20%

Run 5: Report of QUIC Cubic — Data Link

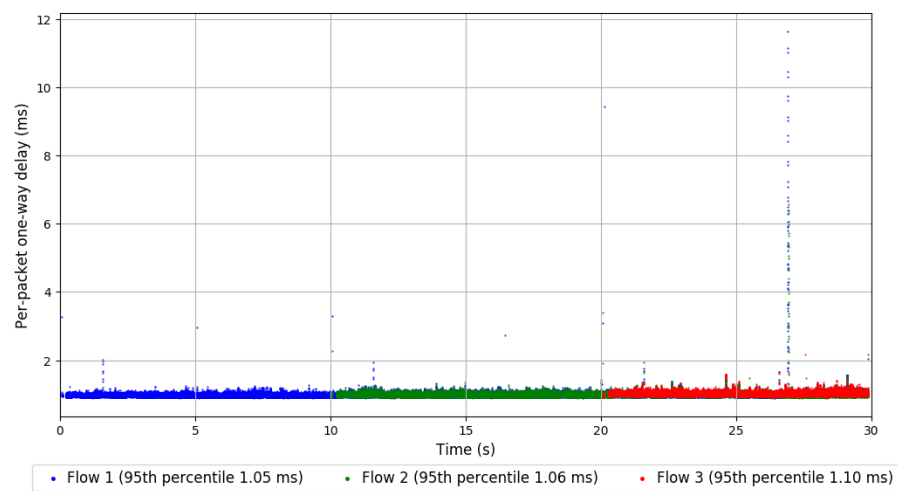
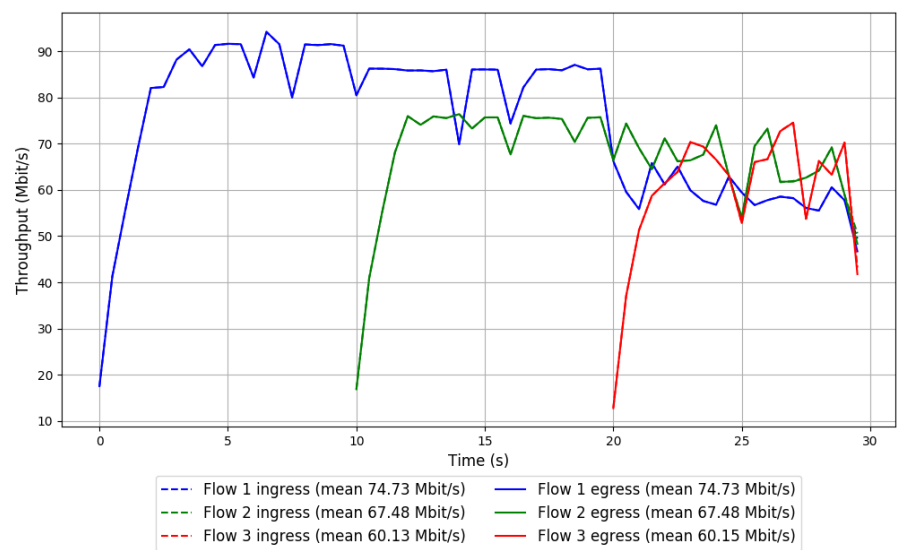


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-17 01:32:10
End at: 2018-01-17 01:32:40
Local clock offset: -5.117 ms
Remote clock offset: -1.621 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.39 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.48 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.14%

Run 6: Report of QUIC Cubic — Data Link

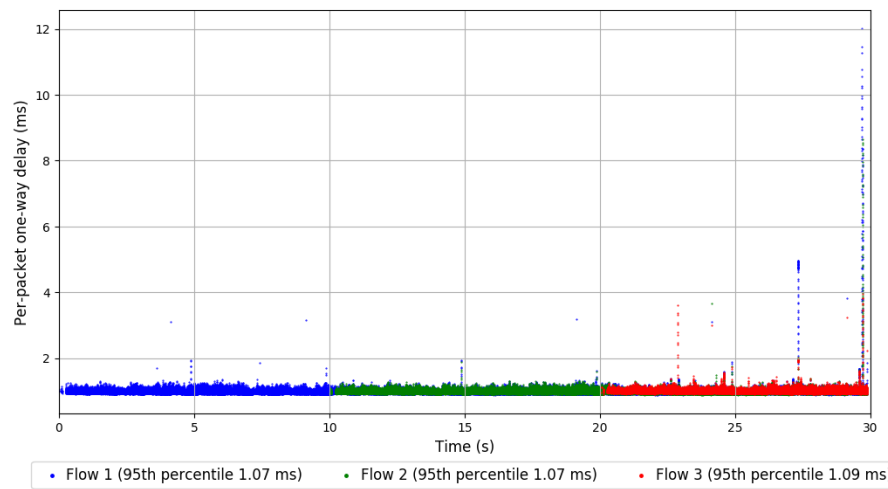
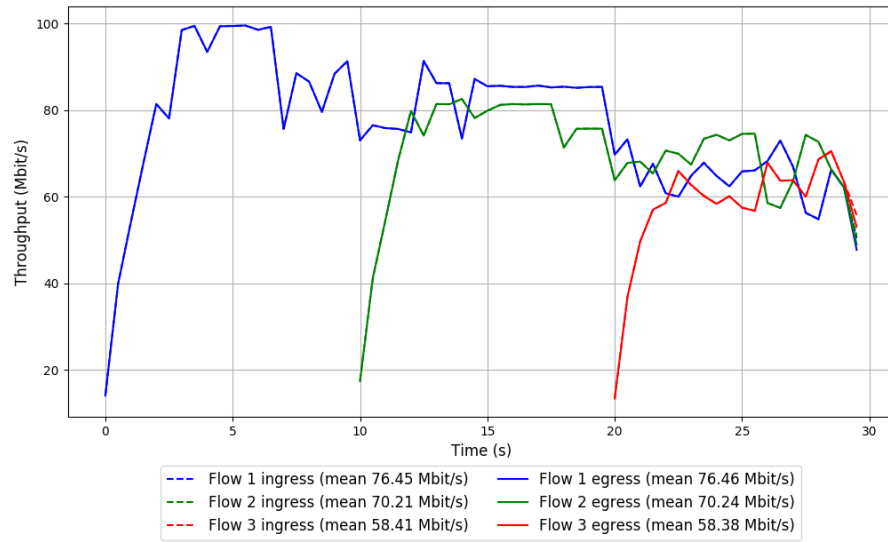


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-17 01:59:48
End at: 2018-01-17 02:00:18
Local clock offset: -4.27 ms
Remote clock offset: -1.741 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.38 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 58.38 Mbit/s
95th percentile per-packet one-way delay: 1.090 ms
Loss rate: 0.24%

Run 7: Report of QUIC Cubic — Data Link

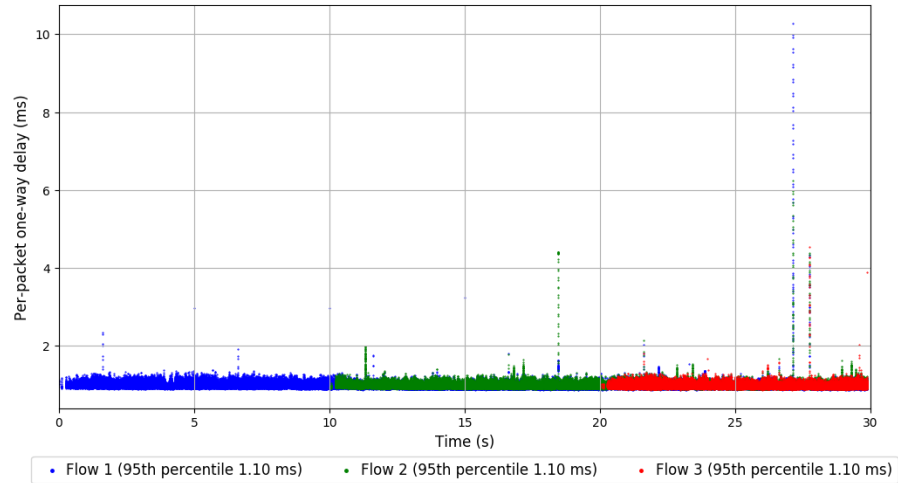
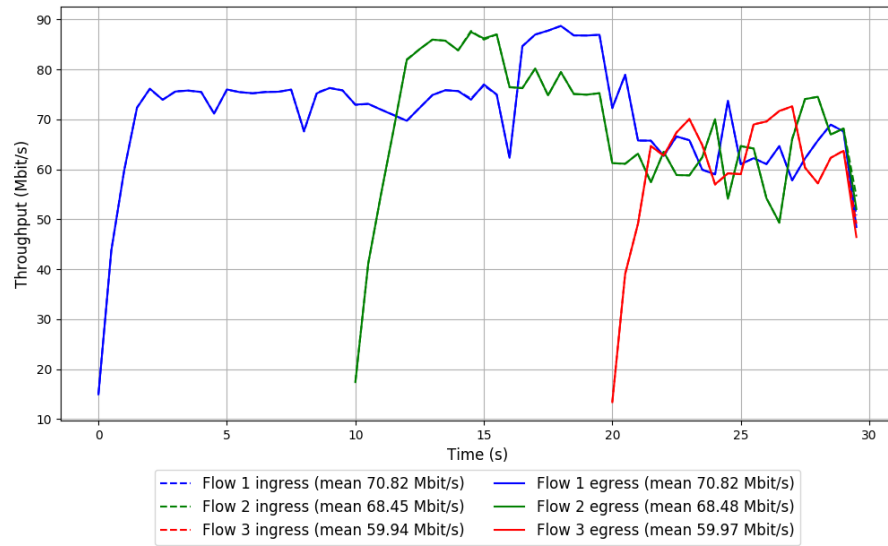


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-17 02:27:00
End at: 2018-01-17 02:27:30
Local clock offset: -2.898 ms
Remote clock offset: -1.806 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.10 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 70.82 Mbit/s
95th percentile per-packet one-way delay: 1.102 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 68.48 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 1.099 ms
Loss rate: 0.24%

Run 8: Report of QUIC Cubic — Data Link

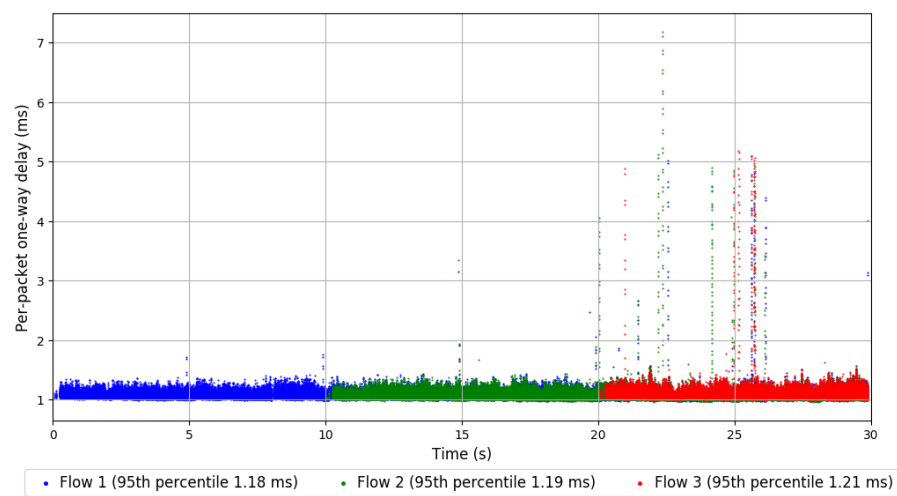
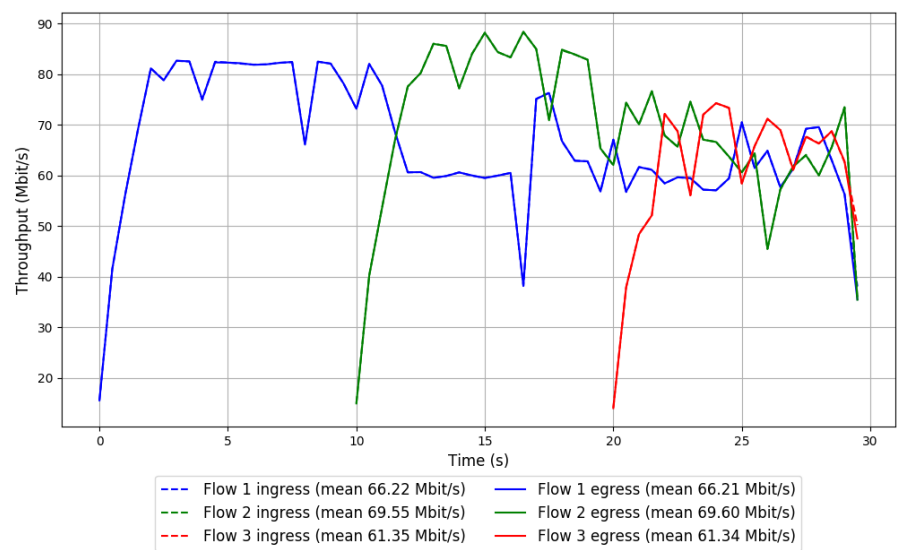


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-17 02:54:41
End at: 2018-01-17 02:55:11
Local clock offset: -1.635 ms
Remote clock offset: -2.119 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.62 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 61.34 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.22%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-01-17 03:21:59

End at: 2018-01-17 03:22:29

Local clock offset: -1.034 ms

Remote clock offset: -2.41 ms

Below is generated by plot.py at 2018-01-17 09:20:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.10 Mbit/s

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

Loss rate: 0.09%

-- Flow 1:

Average throughput: 76.84 Mbit/s

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

Loss rate: 0.06%

-- Flow 2:

Average throughput: 70.57 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.11%

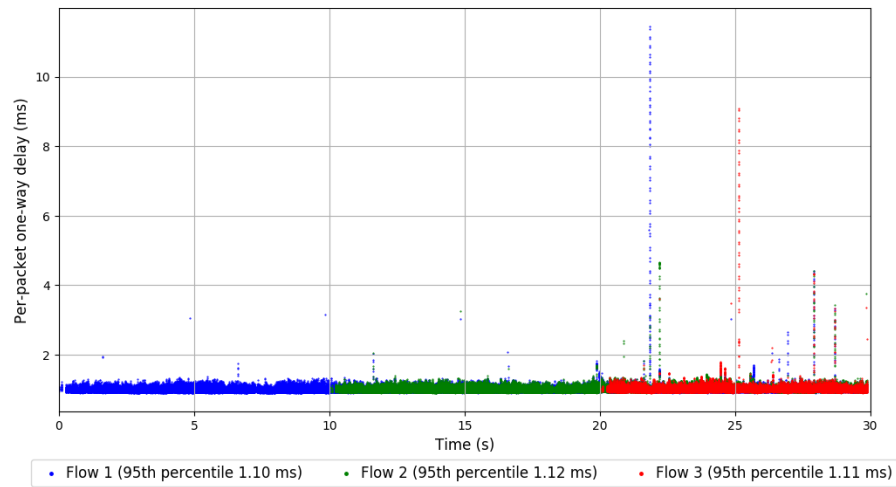
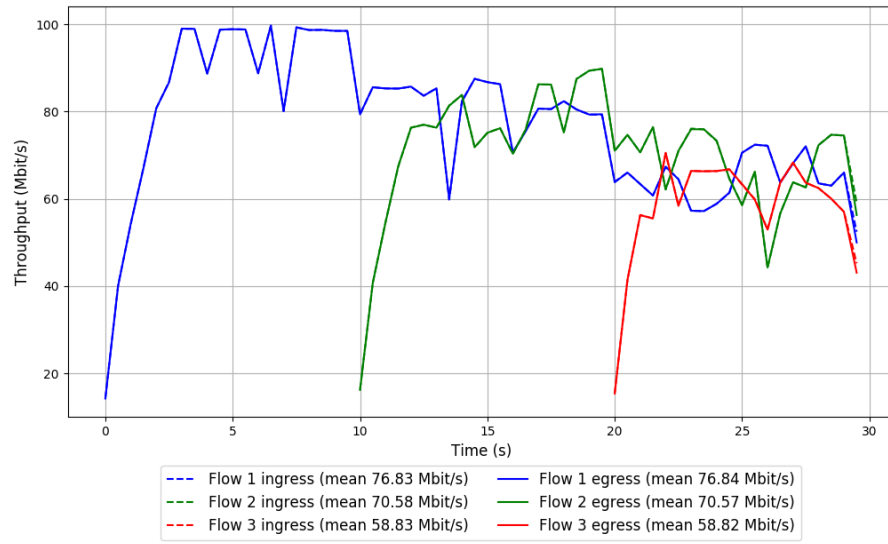
-- Flow 3:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 1.114 ms

Loss rate: 0.20%

Run 10: Report of QUIC Cubic — Data Link

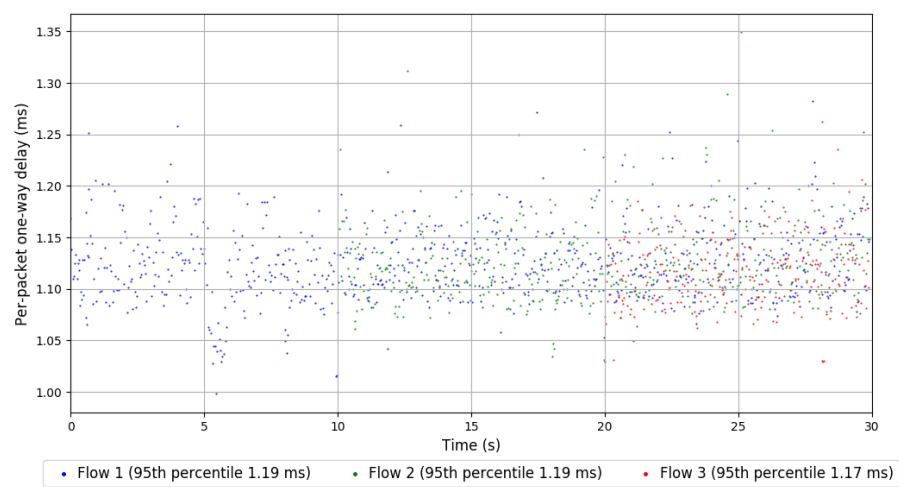
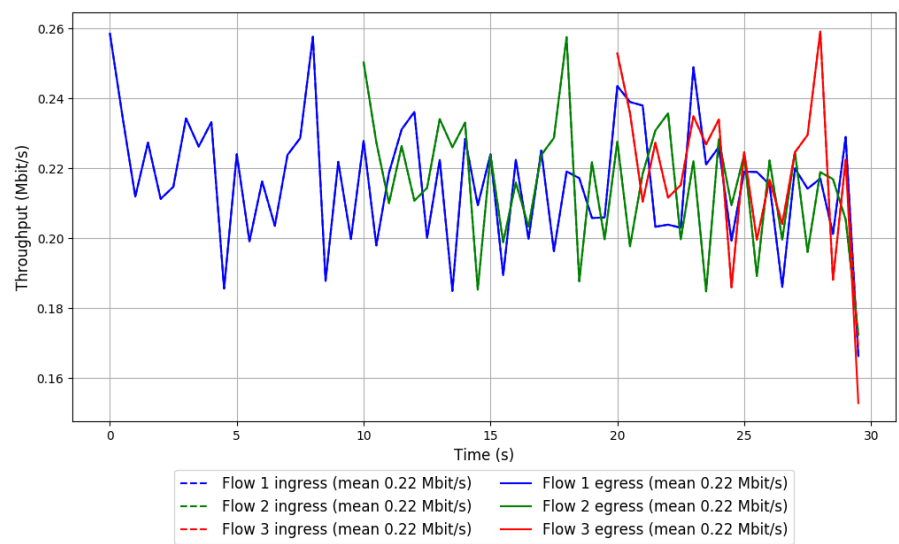


```
Run 1: Statistics of SCReAM

Start at: 2018-01-16 23:07:06
End at: 2018-01-16 23:07:36
Local clock offset: -5.039 ms
Remote clock offset: -4.22 ms

# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.171 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

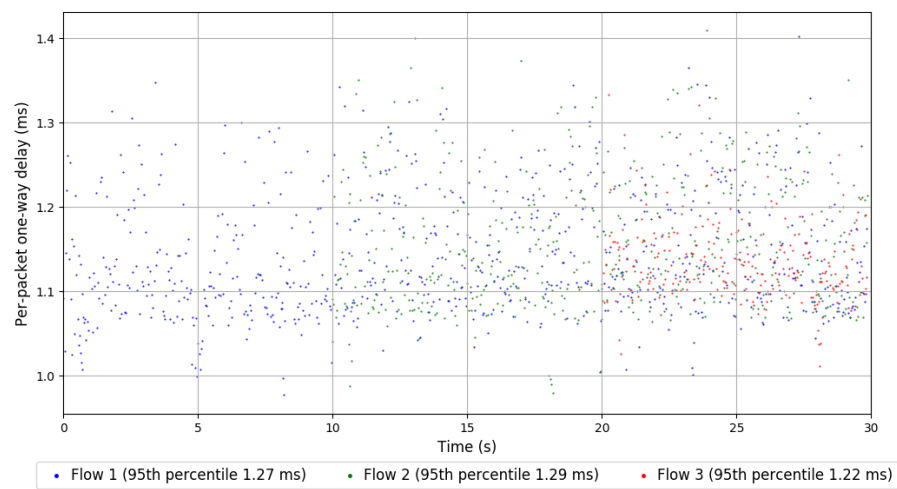
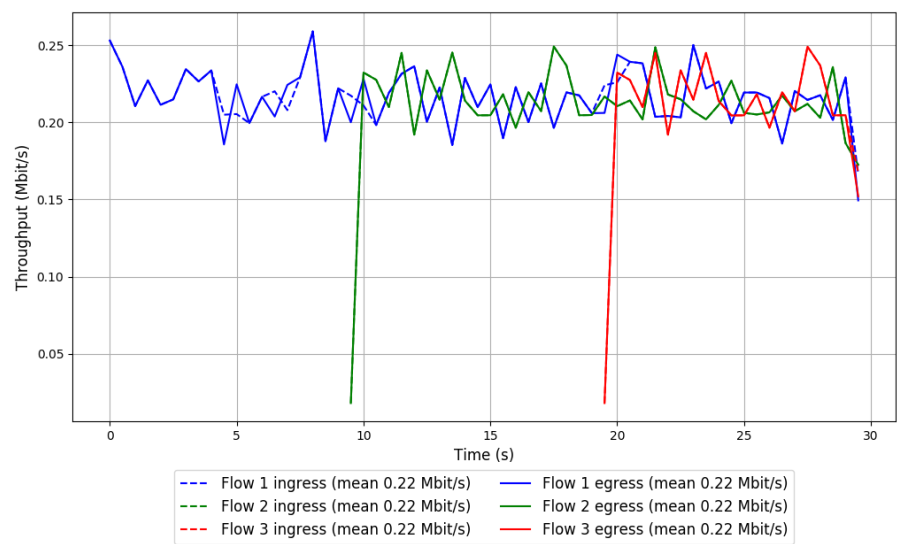


Run 2: Statistics of SReAM

Start at: 2018-01-16 23:34:10
End at: 2018-01-16 23:34:40
Local clock offset: -5.084 ms
Remote clock offset: -3.412 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.273 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

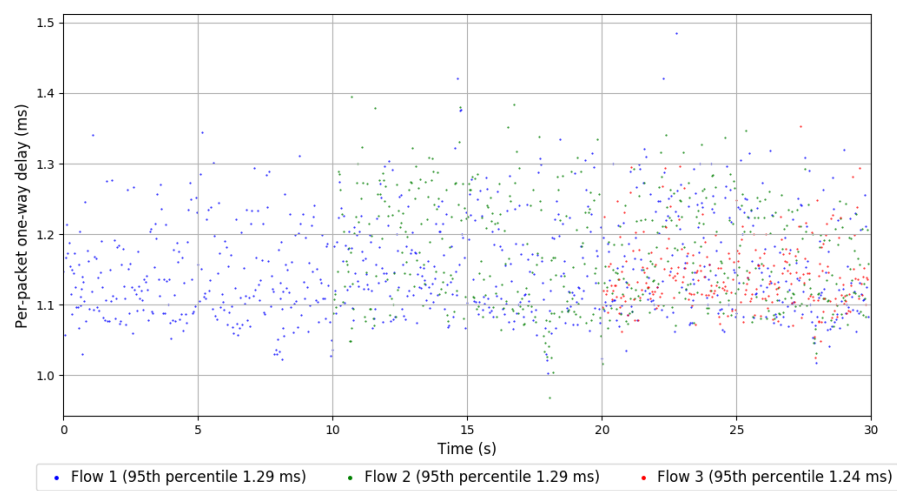
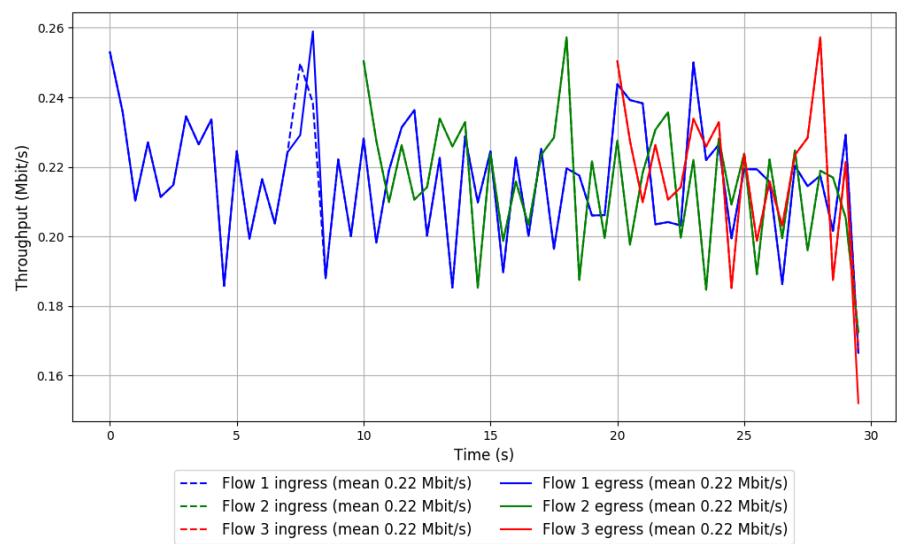


Run 3: Statistics of SReAM

Start at: 2018-01-17 00:01:23
End at: 2018-01-17 00:01:53
Local clock offset: -5.091 ms
Remote clock offset: -3.183 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

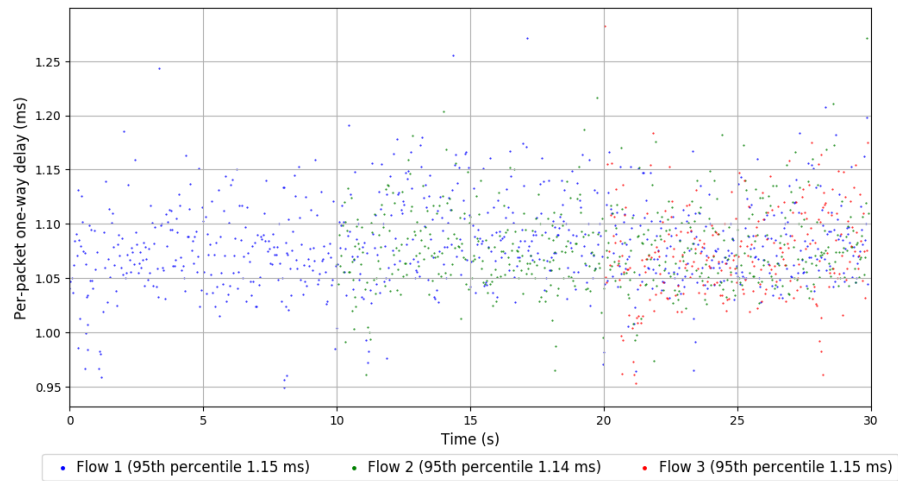
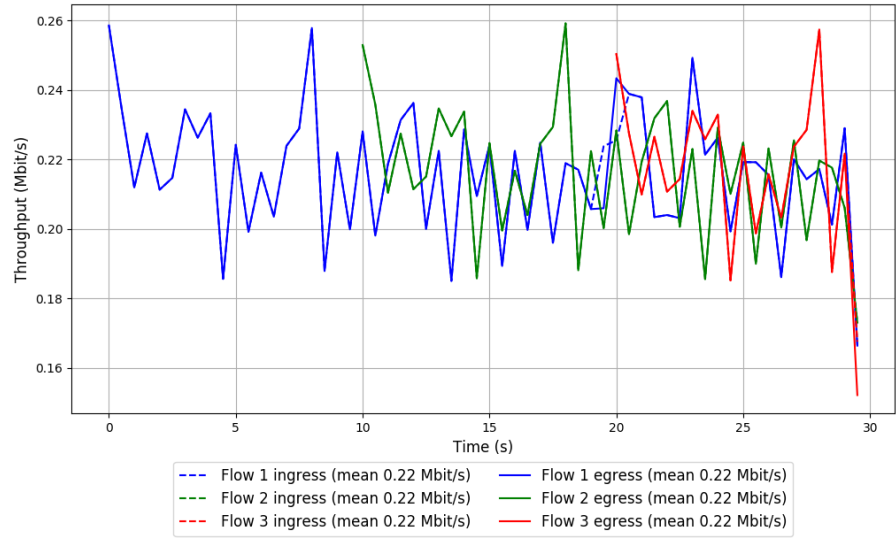


Run 4: Statistics of SReAM

Start at: 2018-01-17 00:28:45
End at: 2018-01-17 00:29:15
Local clock offset: -5.233 ms
Remote clock offset: -2.348 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.148 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

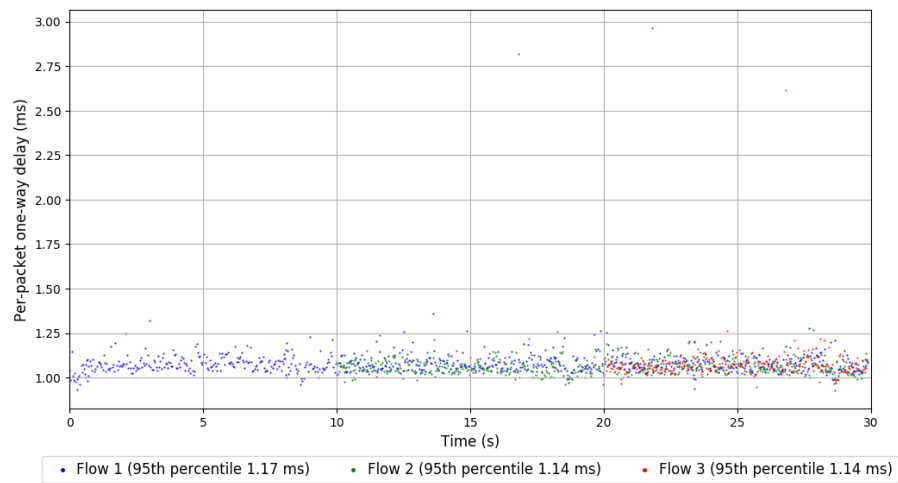
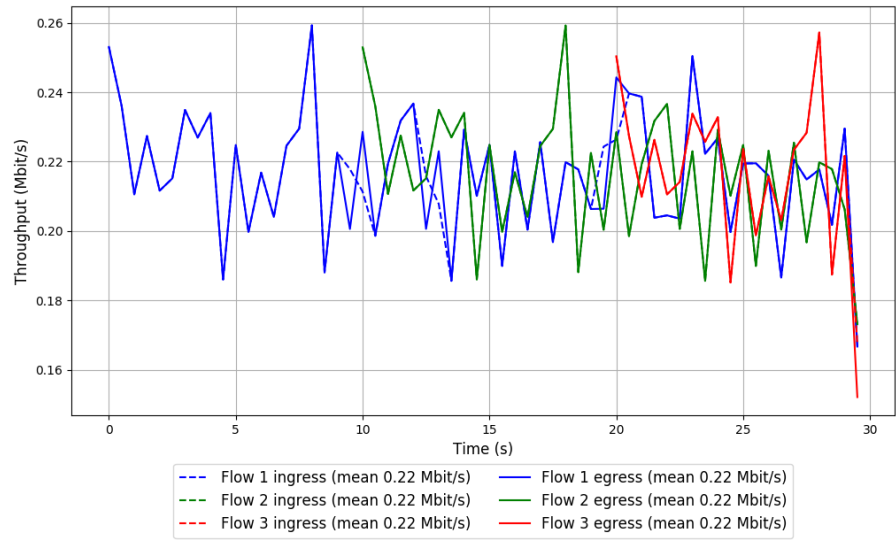


Run 5: Statistics of SReAM

Start at: 2018-01-17 00:56:22
End at: 2018-01-17 00:56:52
Local clock offset: -5.384 ms
Remote clock offset: -1.947 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link

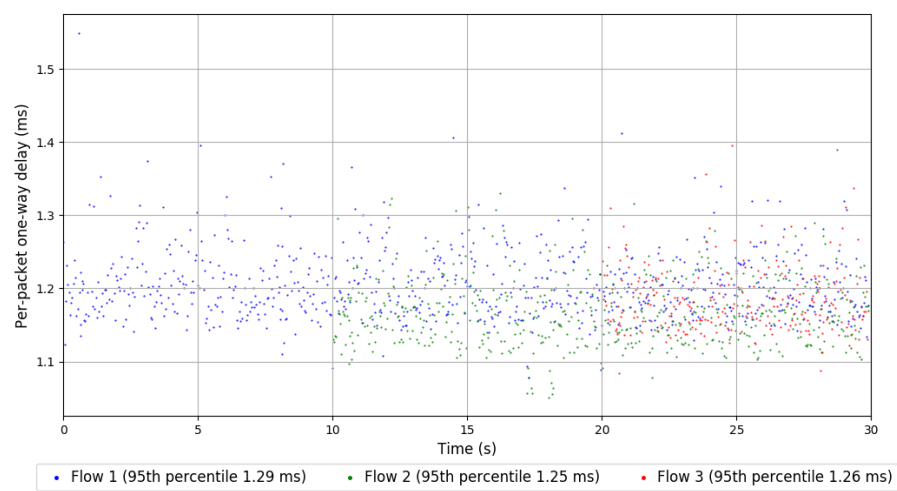
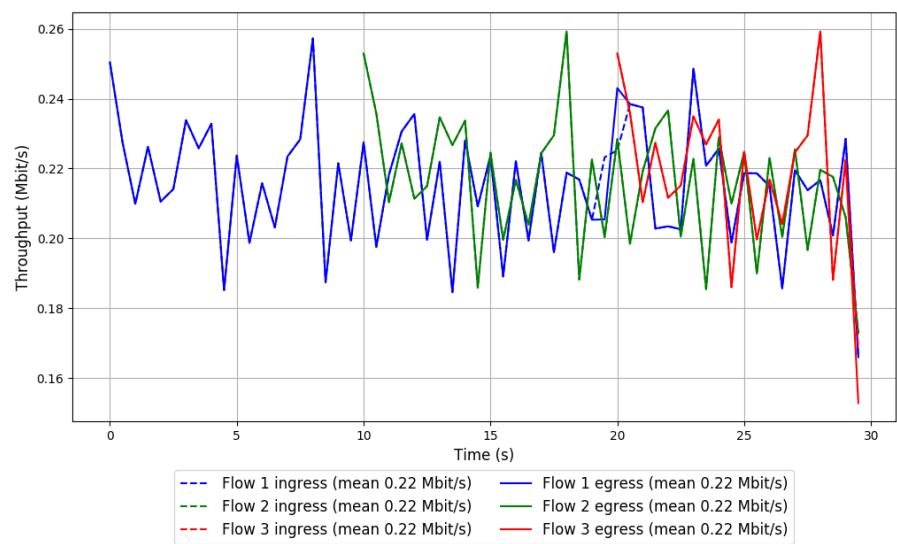


Run 6: Statistics of SReAM

Start at: 2018-01-17 01:23:56
End at: 2018-01-17 01:24:26
Local clock offset: -5.178 ms
Remote clock offset: -1.719 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.251 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

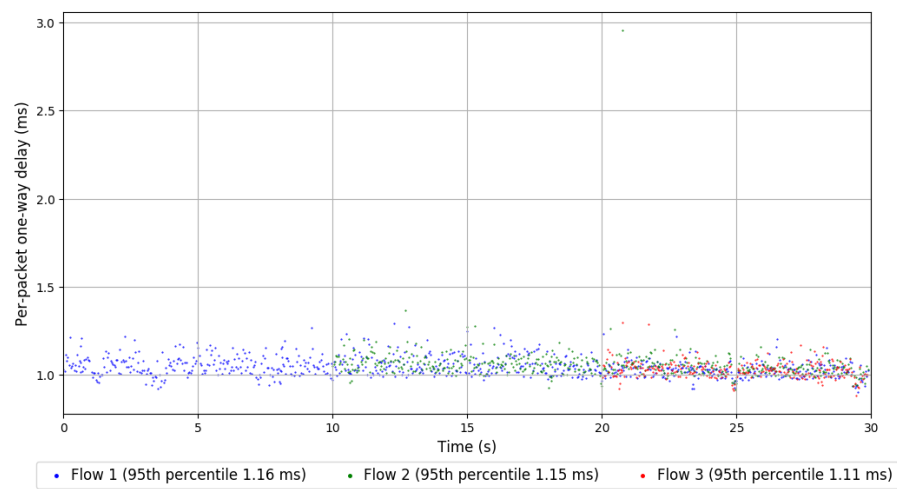
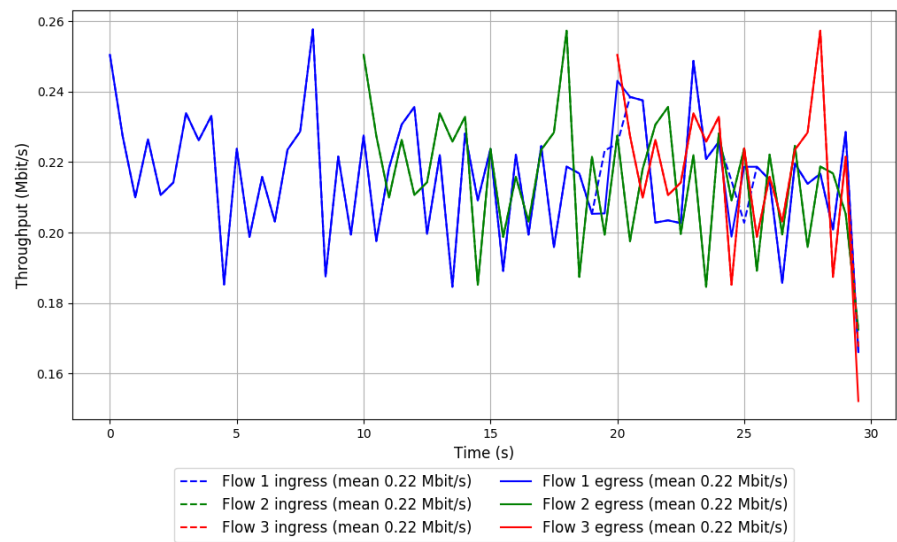


Run 7: Statistics of SReAM

Start at: 2018-01-17 01:51:06
End at: 2018-01-17 01:51:37
Local clock offset: -4.657 ms
Remote clock offset: -1.698 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.146 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.110 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

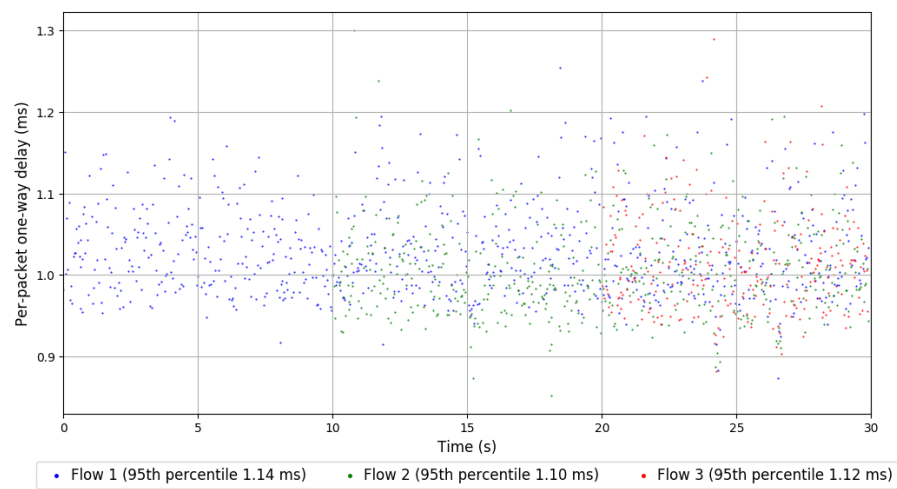
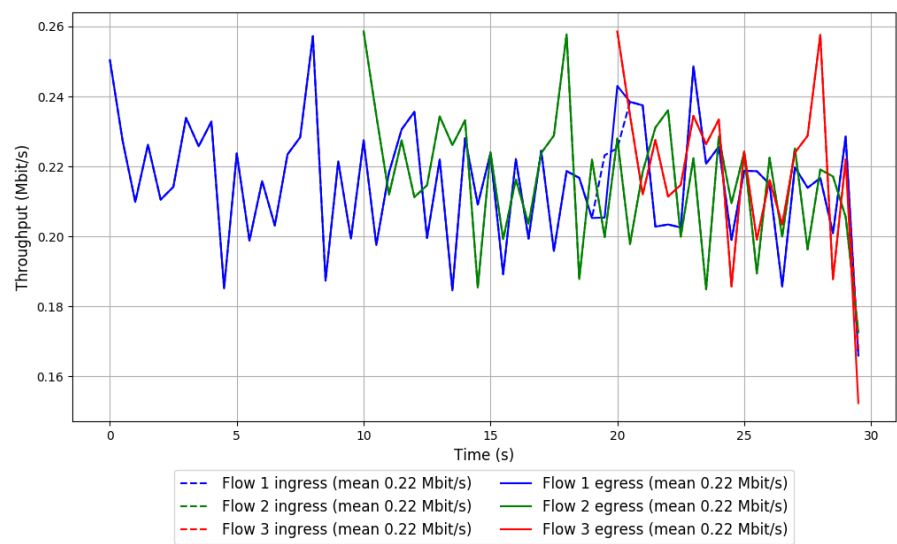


Run 8: Statistics of SReAM

Start at: 2018-01-17 02:18:26
End at: 2018-01-17 02:18:56
Local clock offset: -3.159 ms
Remote clock offset: -1.807 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.125 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

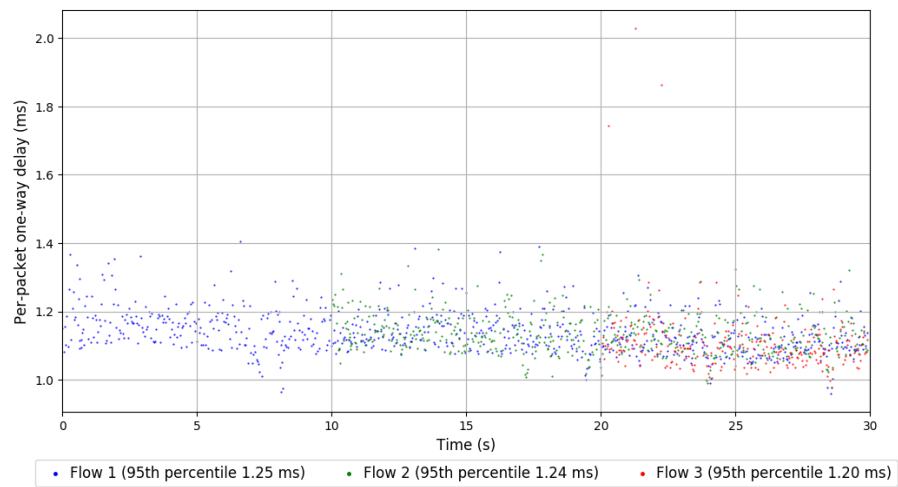
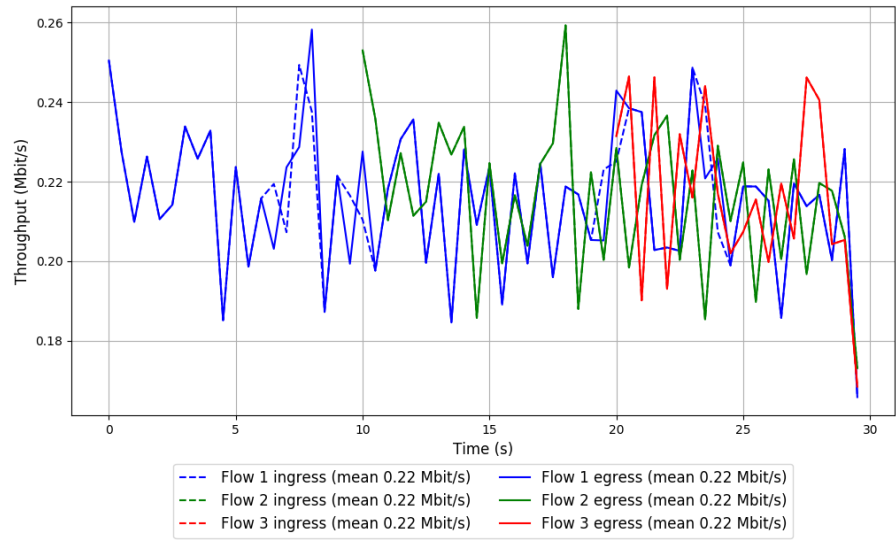


Run 9: Statistics of SReAM

Start at: 2018-01-17 02:45:51
End at: 2018-01-17 02:46:21
Local clock offset: -2.246 ms
Remote clock offset: -2.205 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

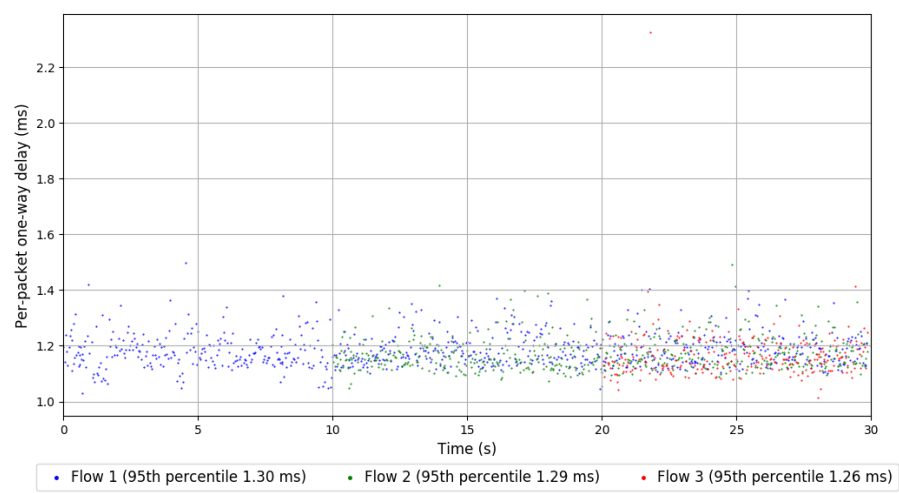
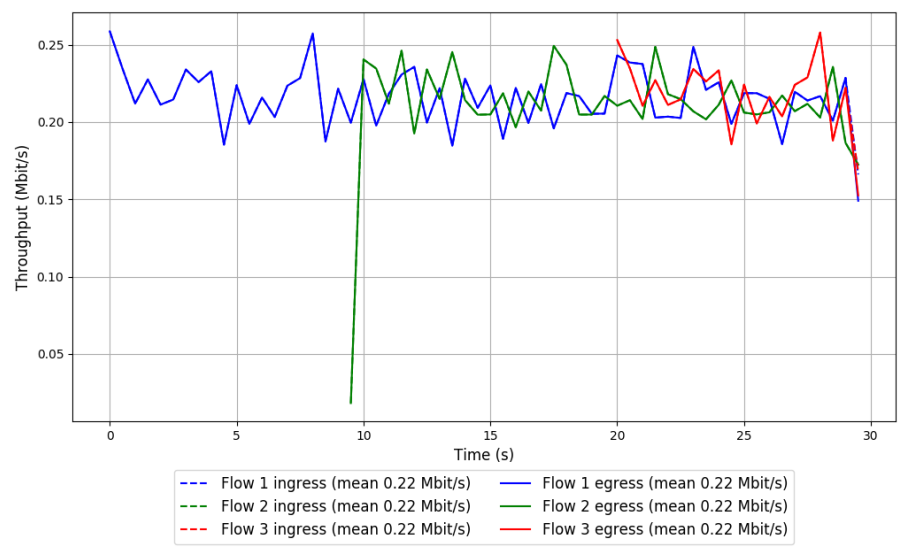


Run 10: Statistics of SReAM

Start at: 2018-01-17 03:13:26
End at: 2018-01-17 03:13:56
Local clock offset: -0.993 ms
Remote clock offset: -2.334 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.288 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.35%

Run 10: Report of SCReAM — Data Link

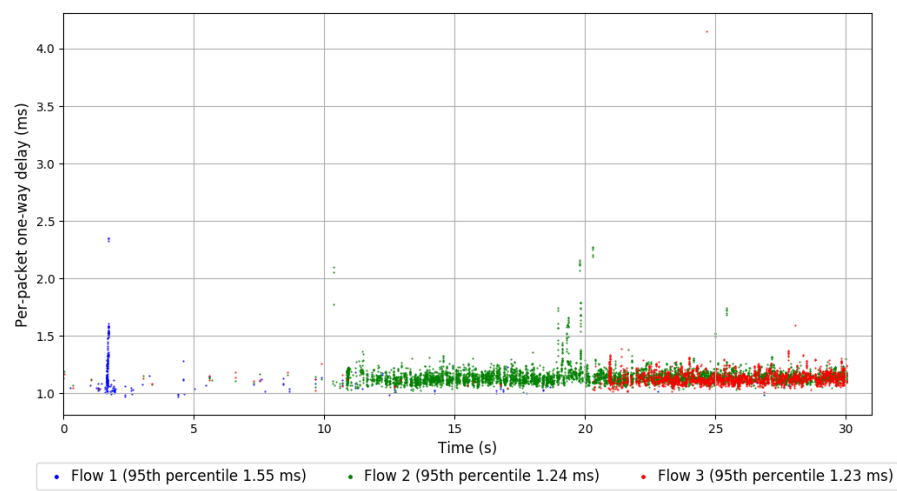


Run 1: Statistics of WebRTC media

Start at: 2018-01-16 23:19:51
End at: 2018-01-16 23:20:21
Local clock offset: -5.069 ms
Remote clock offset: -3.872 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.547 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 1.230 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

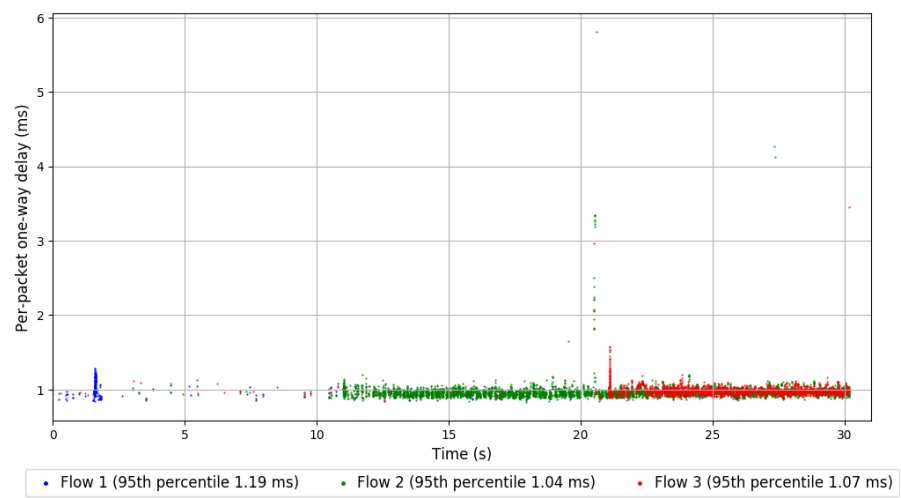
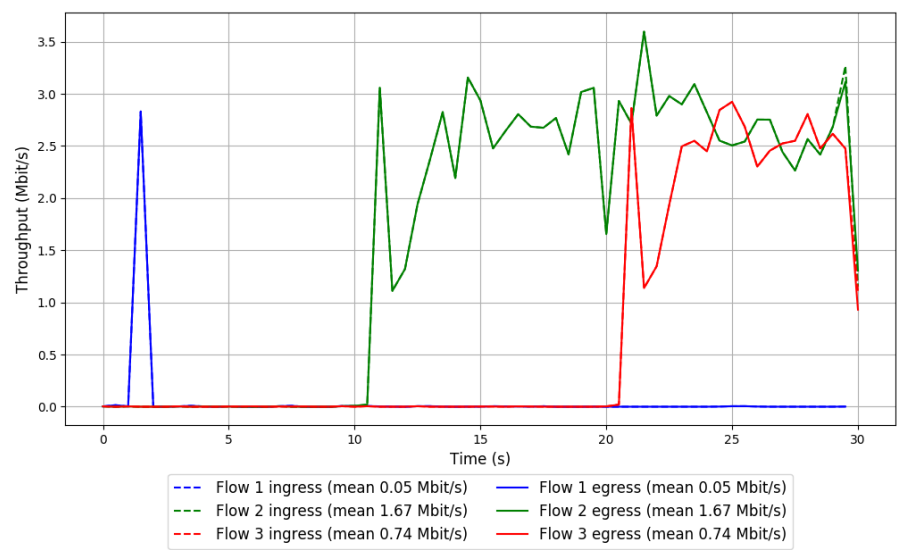


Run 2: Statistics of WebRTC media

Start at: 2018-01-16 23:47:05
End at: 2018-01-16 23:47:35
Local clock offset: -5.183 ms
Remote clock offset: -3.346 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 1.042 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 1.073 ms
Loss rate: 0.39%

Run 2: Report of WebRTC media — Data Link

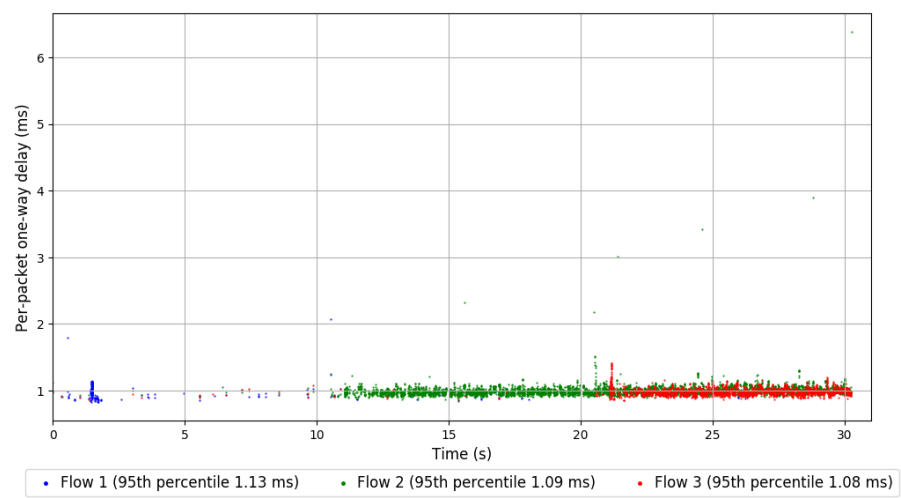
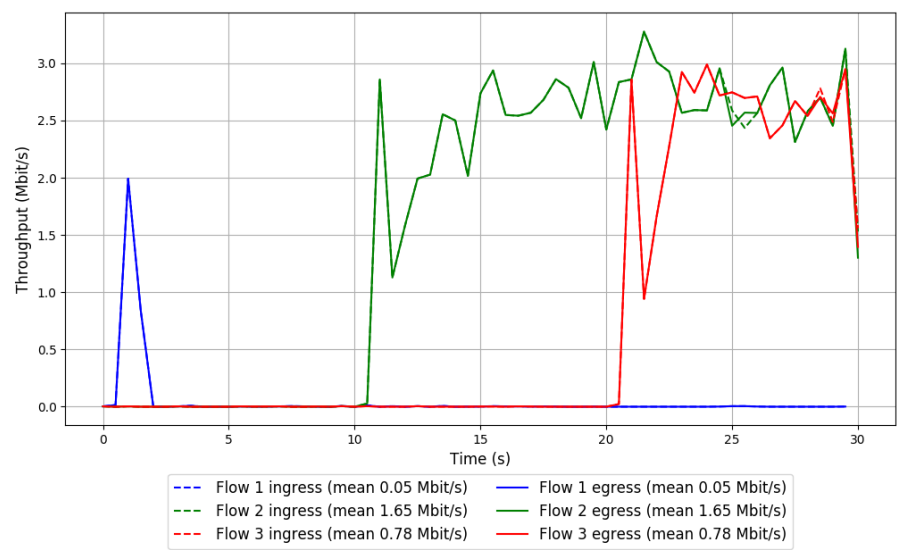


Run 3: Statistics of WebRTC media

Start at: 2018-01-17 00:14:36
End at: 2018-01-17 00:15:06
Local clock offset: -5.223 ms
Remote clock offset: -2.866 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 1.087 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.126 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 1.086 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.35%

Run 3: Report of WebRTC media — Data Link

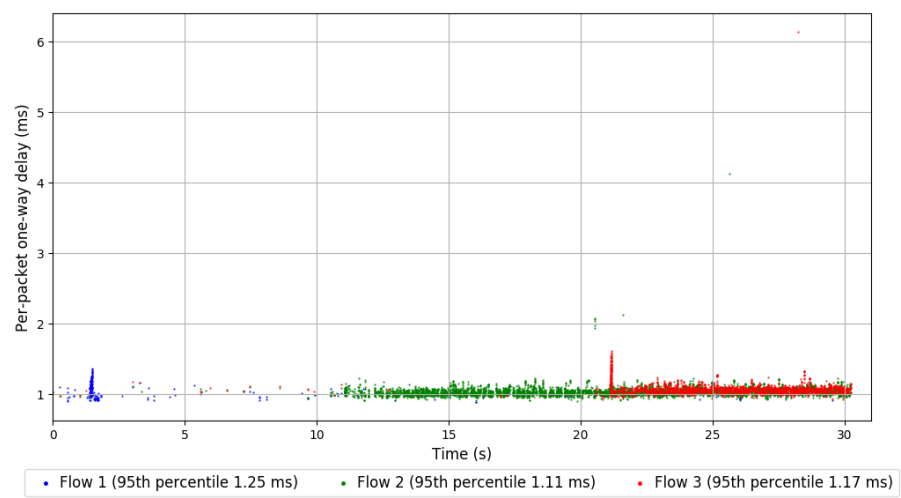
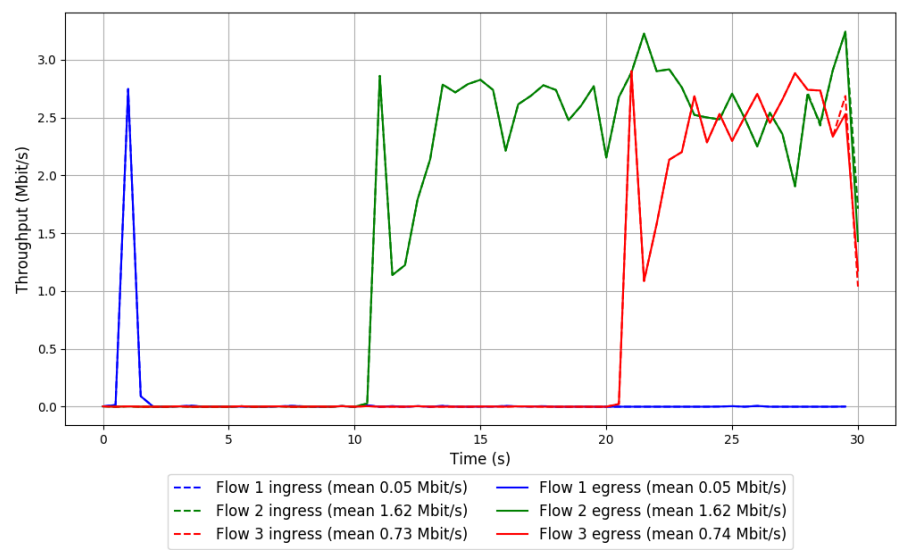


Run 4: Statistics of WebRTC media

Start at: 2018-01-17 00:42:02
End at: 2018-01-17 00:42:32
Local clock offset: -5.291 ms
Remote clock offset: -2.055 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.04%

Run 4: Report of WebRTC media — Data Link

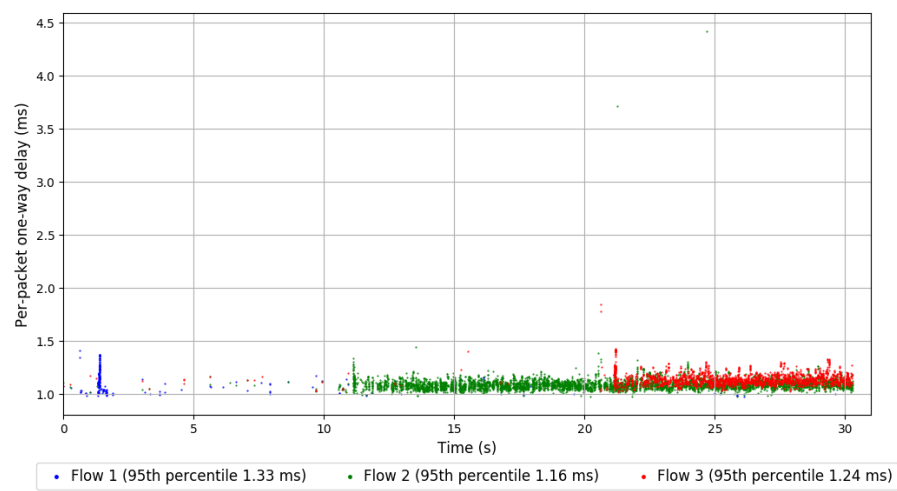


Run 5: Statistics of WebRTC media

Start at: 2018-01-17 01:09:43
End at: 2018-01-17 01:10:13
Local clock offset: -5.283 ms
Remote clock offset: -1.835 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 1.159 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

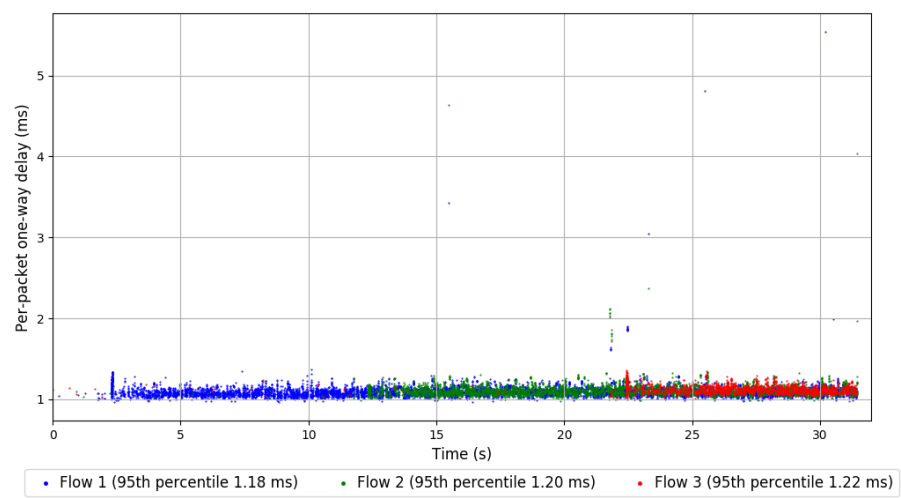
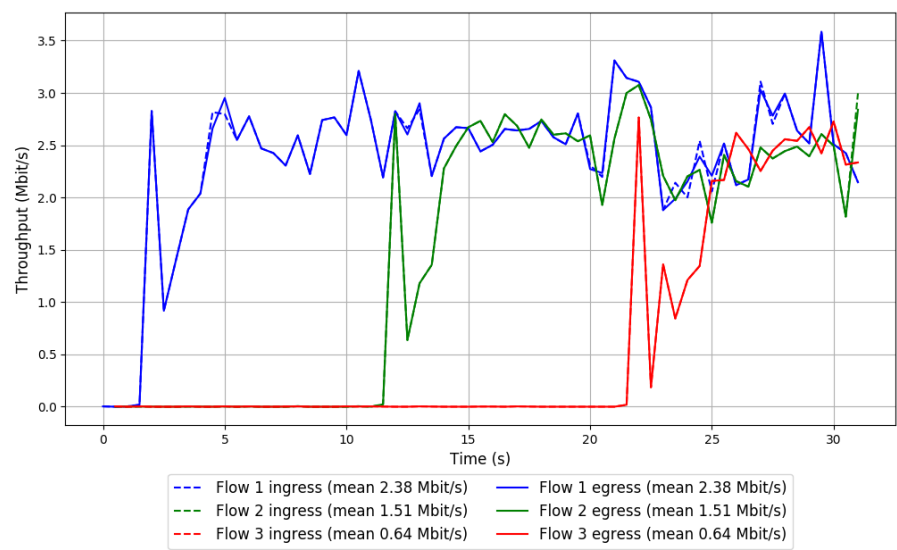


Run 6: Statistics of WebRTC media

Start at: 2018-01-17 01:36:42
End at: 2018-01-17 01:37:12
Local clock offset: -5.133 ms
Remote clock offset: -1.716 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

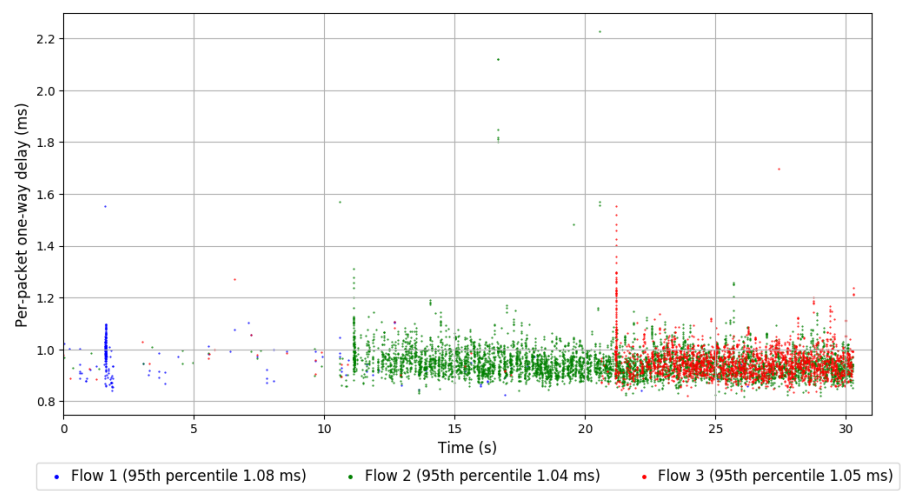


Run 7: Statistics of WebRTC media

Start at: 2018-01-17 02:04:16
End at: 2018-01-17 02:04:46
Local clock offset: -4.075 ms
Remote clock offset: -1.819 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.046 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 1.054 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

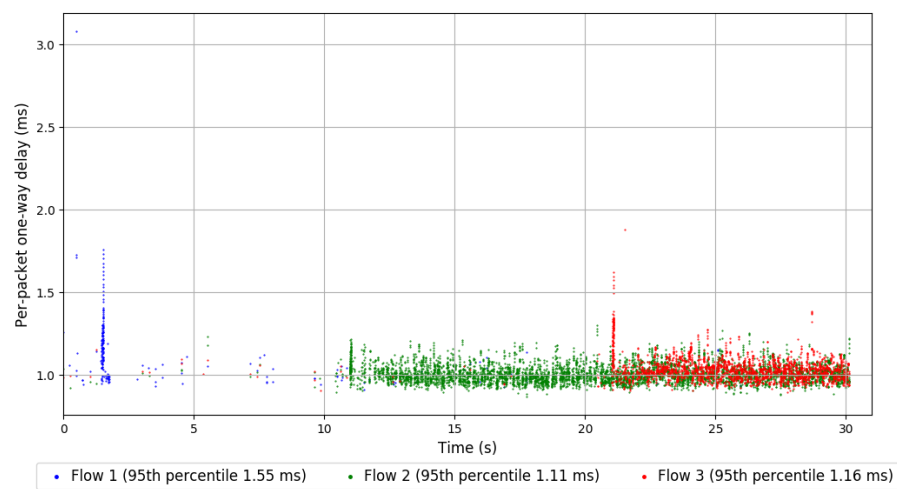
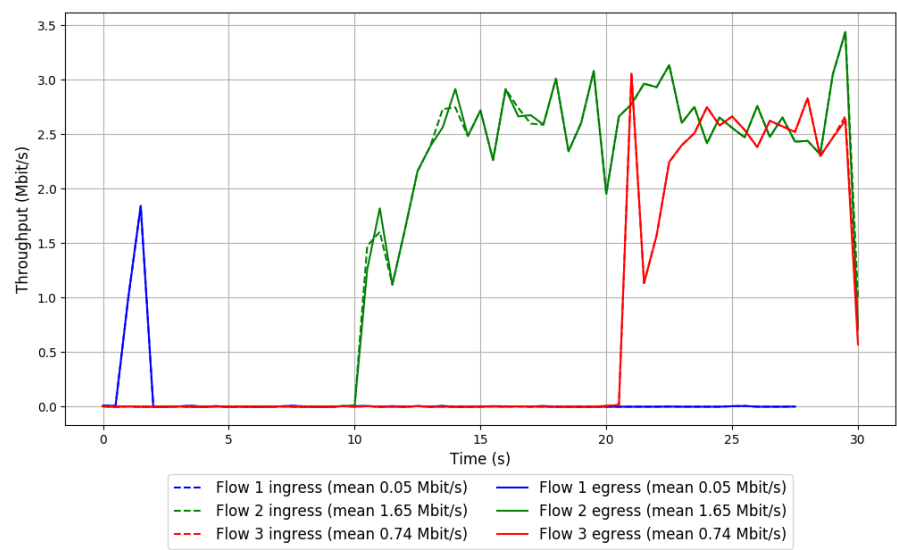


Run 8: Statistics of WebRTC media

Start at: 2018-01-17 02:31:33
End at: 2018-01-17 02:32:03
Local clock offset: -2.772 ms
Remote clock offset: -1.914 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.549 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 1.157 ms
Loss rate: 0.38%

Run 8: Report of WebRTC media — Data Link

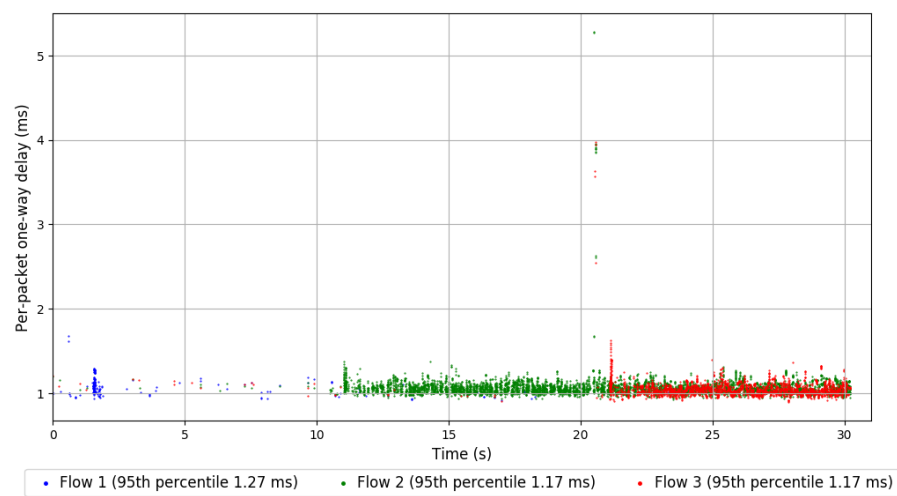
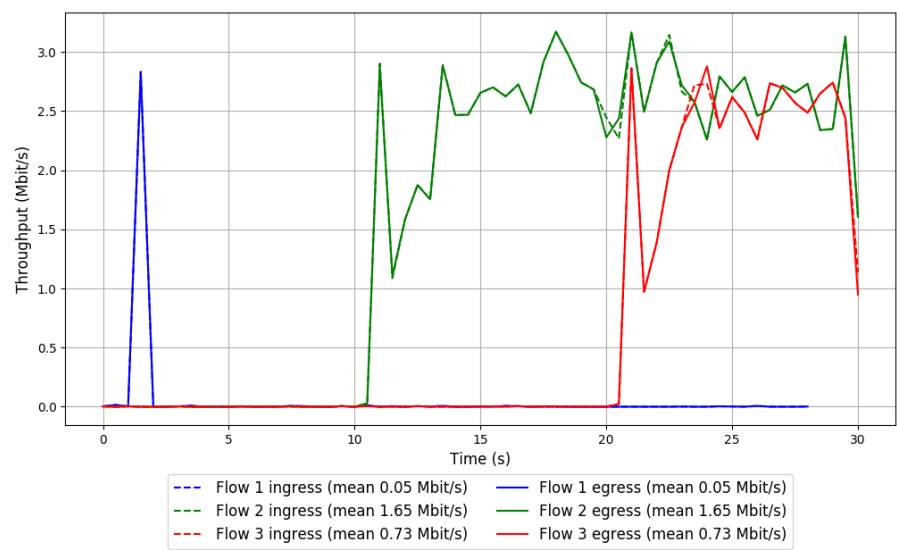


Run 9: Statistics of WebRTC media

Start at: 2018-01-17 02:59:14
End at: 2018-01-17 02:59:44
Local clock offset: -1.382 ms
Remote clock offset: -2.082 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 1.172 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 1.170 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.42%

Run 9: Report of WebRTC media — Data Link

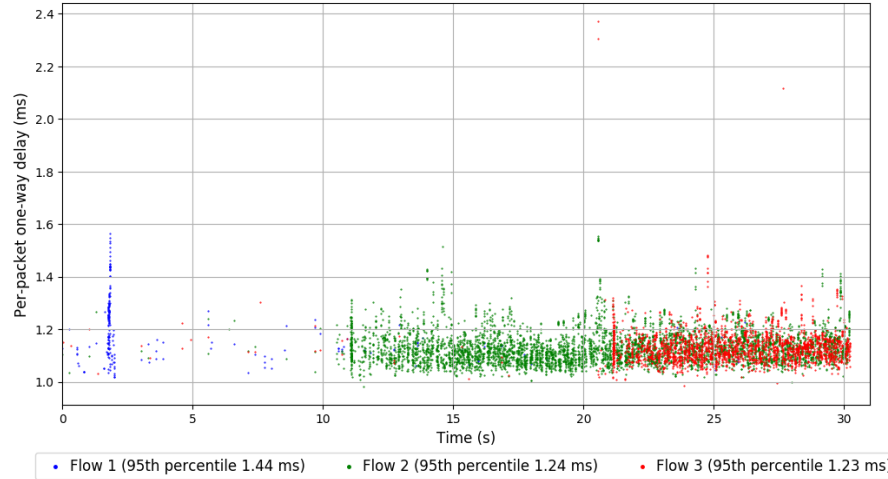
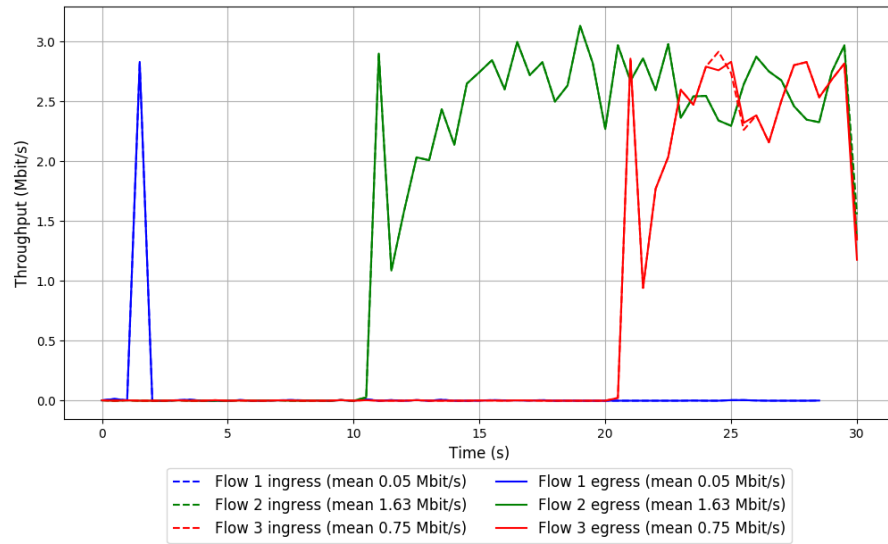


Run 10: Statistics of WebRTC media

Start at: 2018-01-17 03:26:31
End at: 2018-01-17 03:27:01
Local clock offset: -1.08 ms
Remote clock offset: -2.434 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.440 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 1.234 ms
Loss rate: 0.35%

Run 10: Report of WebRTC media — Data Link

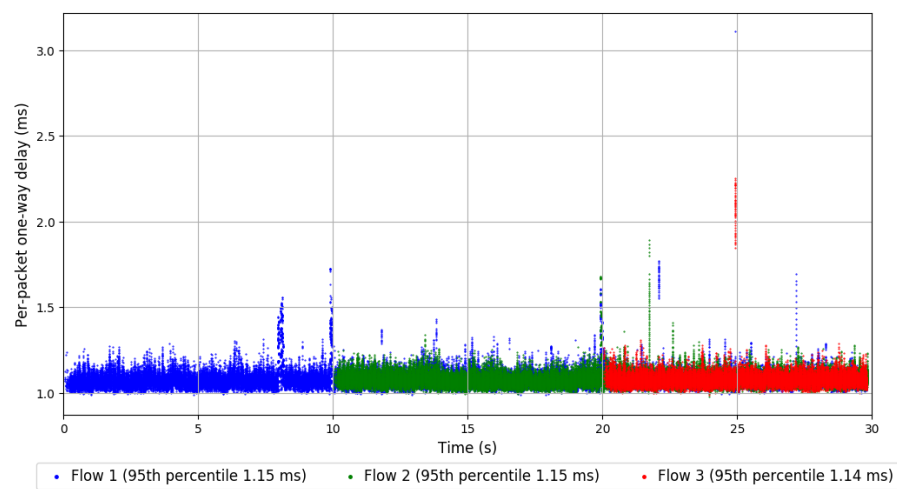
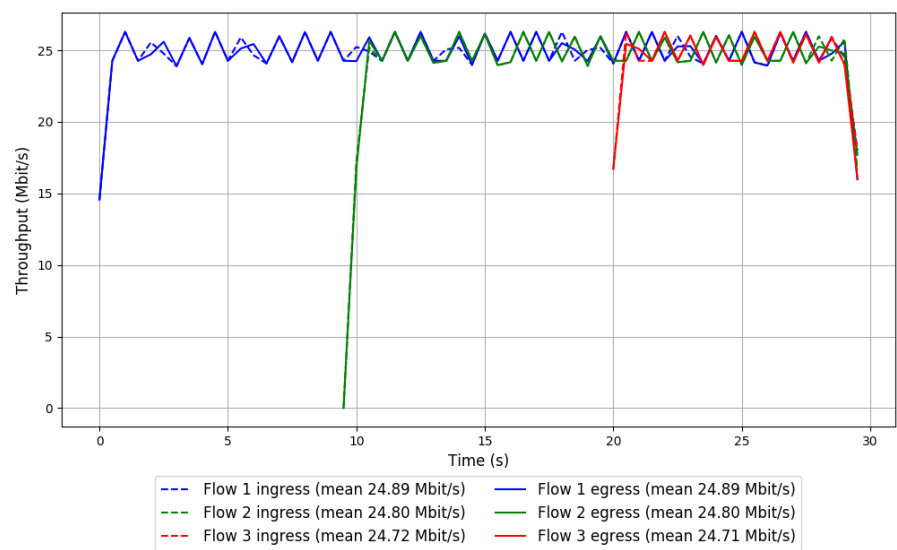


Run 1: Statistics of Sprout

Start at: 2018-01-16 23:12:50
End at: 2018-01-16 23:13:20
Local clock offset: -5.131 ms
Remote clock offset: -4.185 ms

Below is generated by plot.py at 2018-01-17 09:20:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.49 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 1.152 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.42%

Run 1: Report of Sprout — Data Link

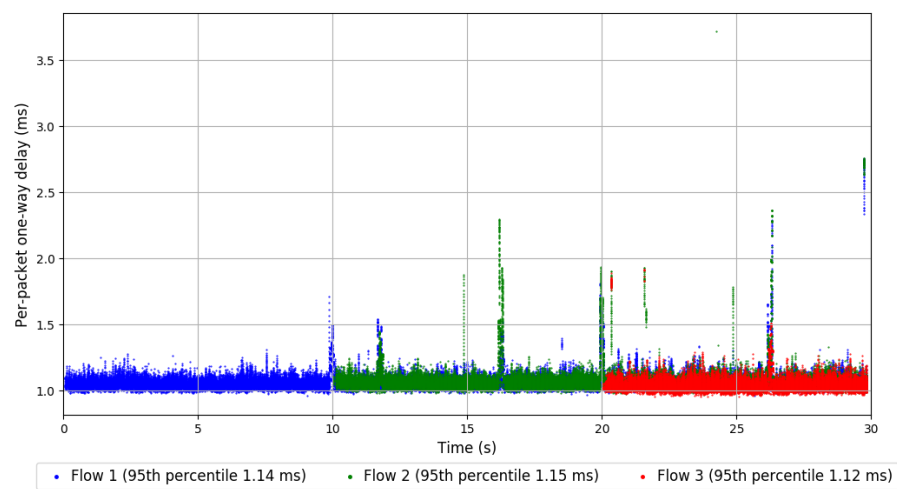
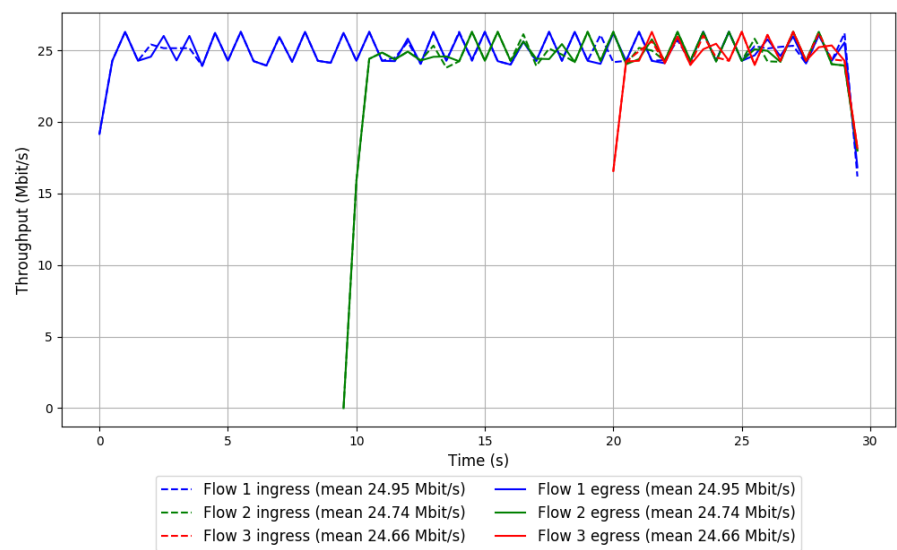


Run 2: Statistics of Sprout

Start at: 2018-01-16 23:40:05
End at: 2018-01-16 23:40:35
Local clock offset: -5.101 ms
Remote clock offset: -3.392 ms

```
# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 1.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.95 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 1.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

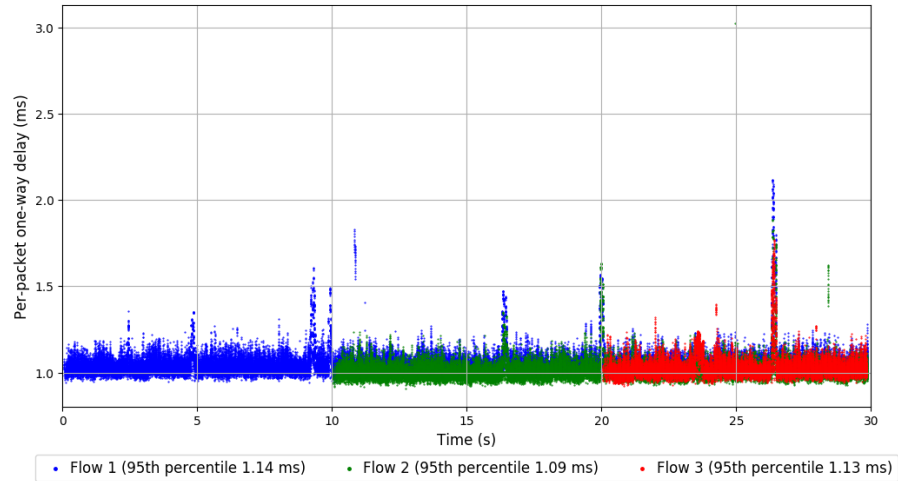
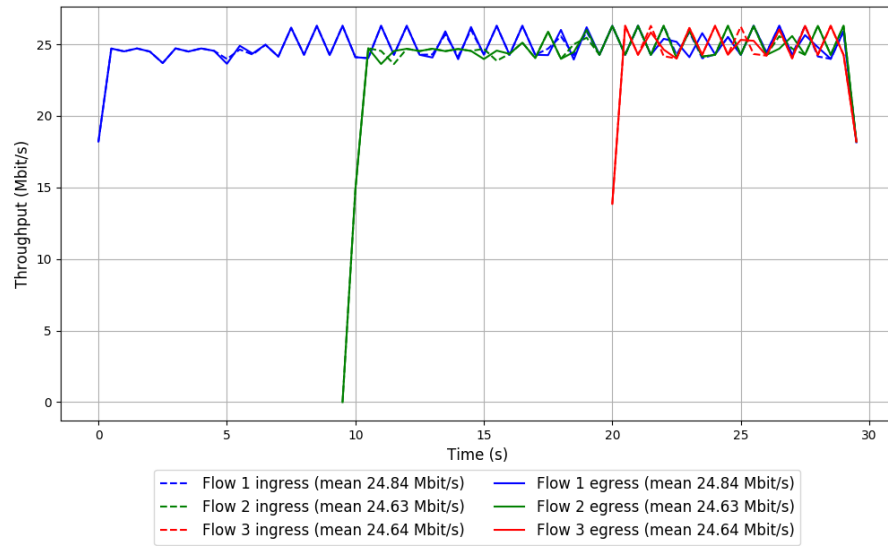


Run 3: Statistics of Sprout

Start at: 2018-01-17 00:07:29
End at: 2018-01-17 00:07:59
Local clock offset: -5.113 ms
Remote clock offset: -3.09 ms

```
# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 1.135 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 1.092 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

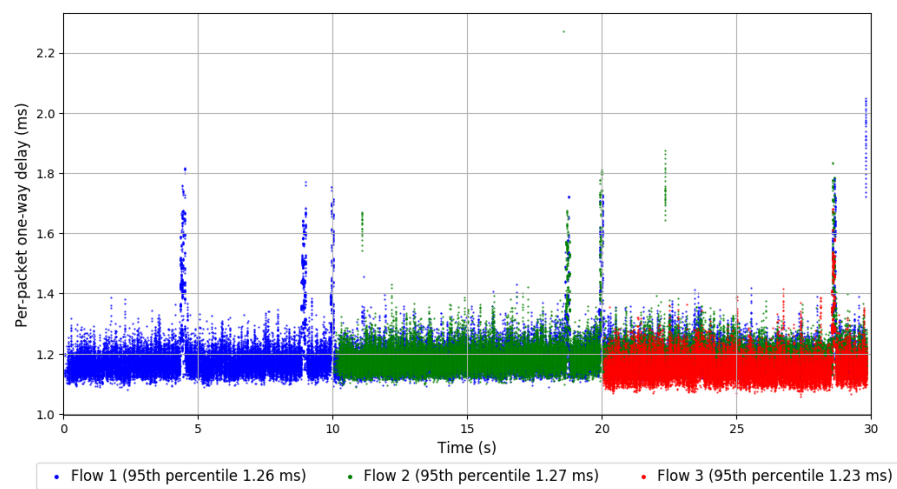
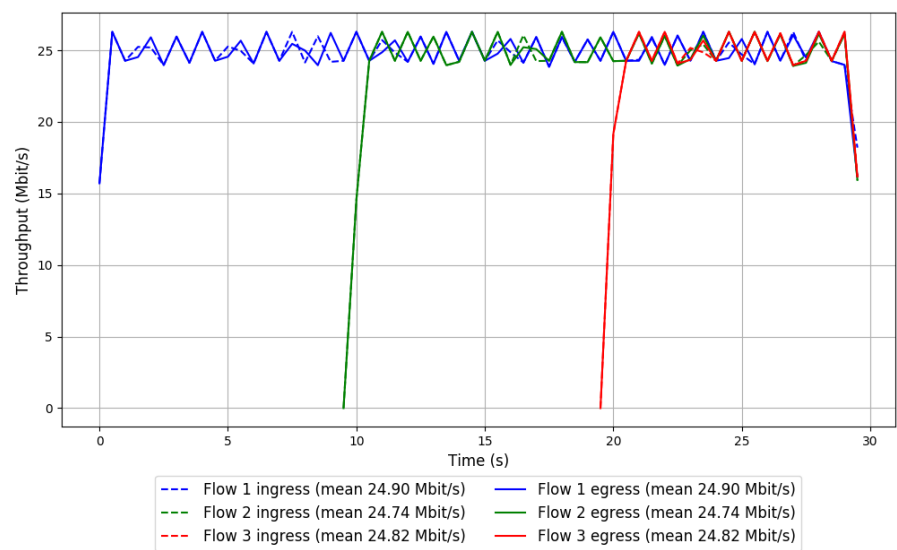


Run 4: Statistics of Sprout

Start at: 2018-01-17 00:34:52
End at: 2018-01-17 00:35:22
Local clock offset: -5.221 ms
Remote clock offset: -2.262 ms

```
# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 1.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

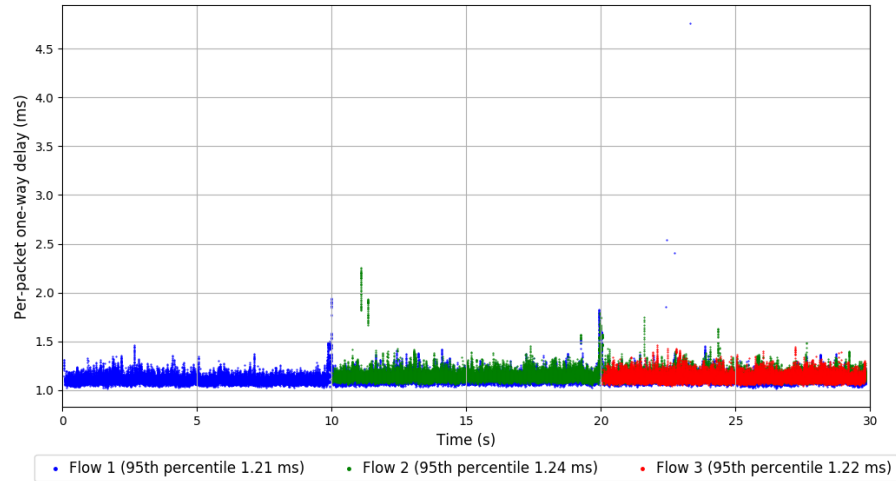
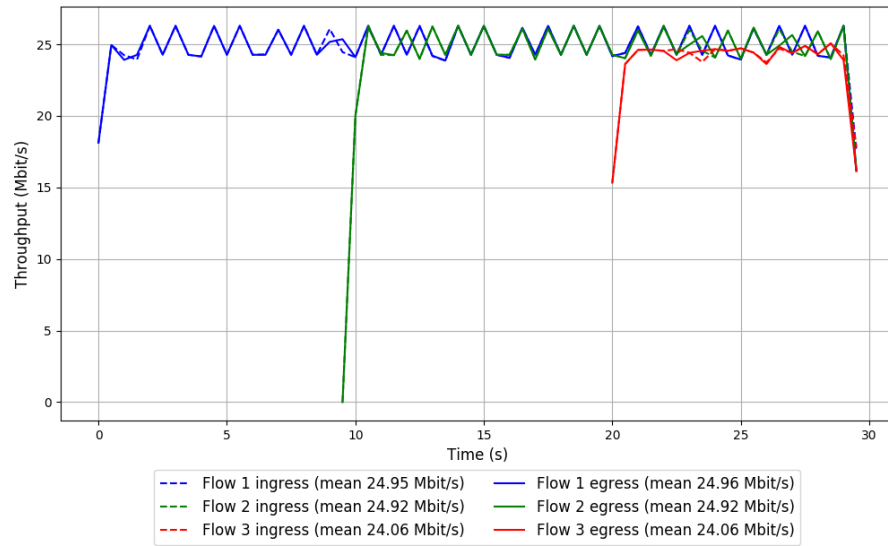


Run 5: Statistics of Sprout

Start at: 2018-01-17 01:02:33
End at: 2018-01-17 01:03:03
Local clock offset: -5.332 ms
Remote clock offset: -1.969 ms

```
# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 1.210 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 24.92 Mbit/s
95th percentile per-packet one-way delay: 1.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.43%
```

Run 5: Report of Sprout — Data Link

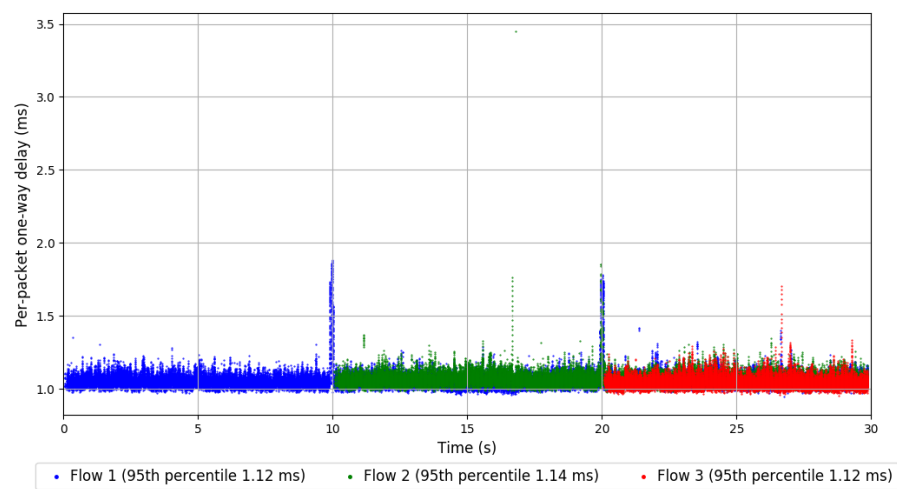
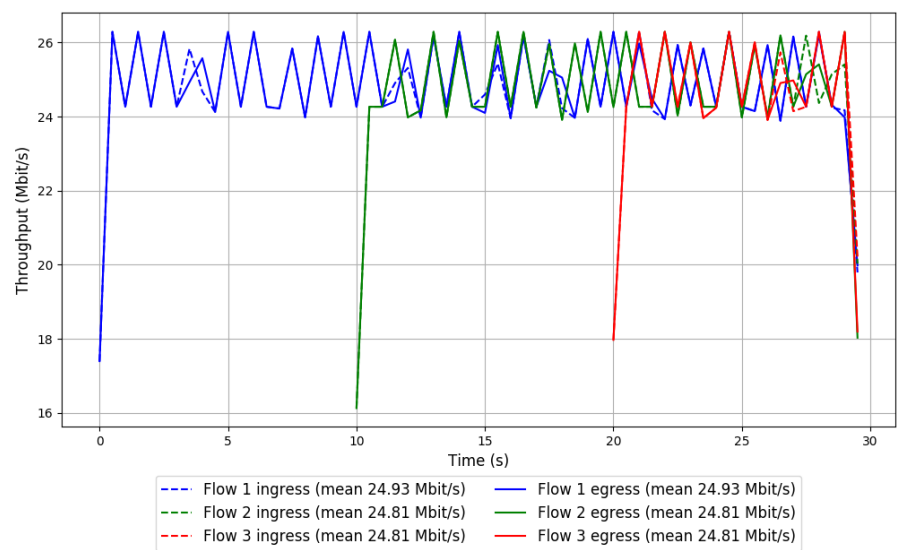


Run 6: Statistics of Sprout

Start at: 2018-01-17 01:29:40
End at: 2018-01-17 01:30:10
Local clock offset: -5.149 ms
Remote clock offset: -1.66 ms

```
# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.93 Mbit/s
95th percentile per-packet one-way delay: 1.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 1.118 ms
Loss rate: 0.41%
```

Run 6: Report of Sprout — Data Link

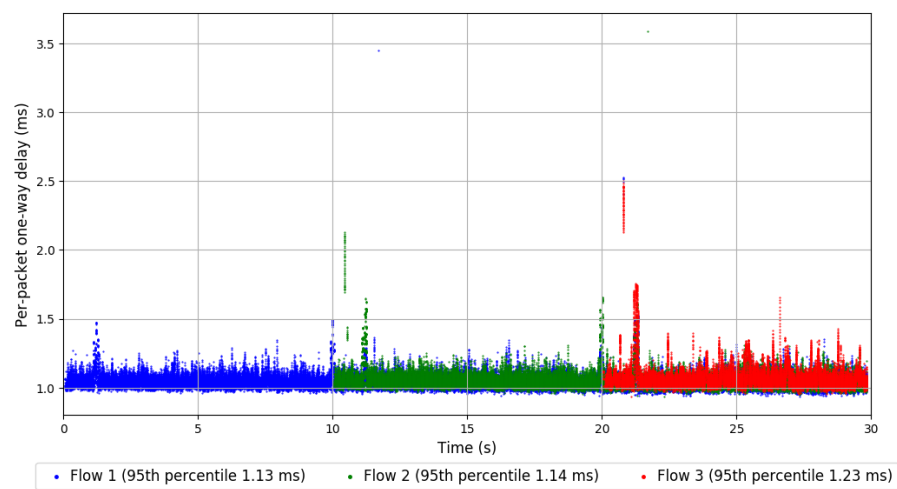
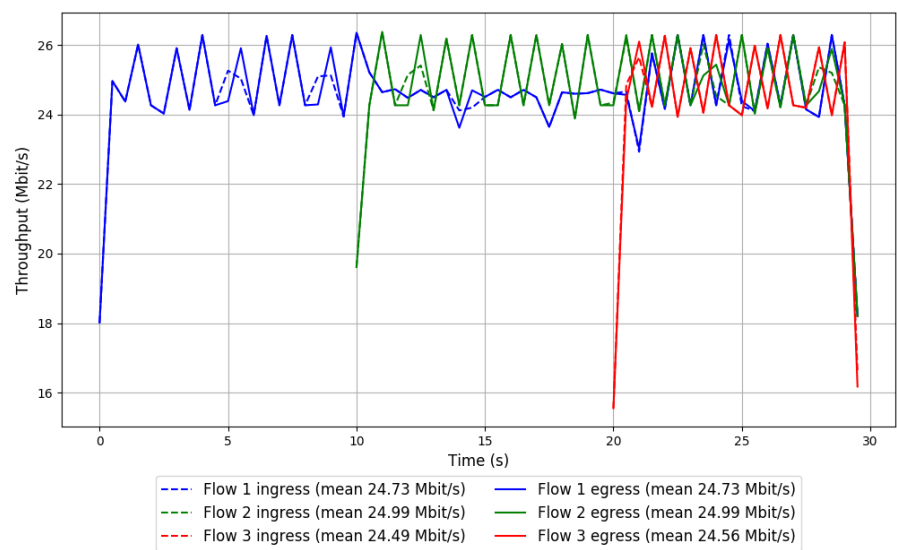


Run 7: Statistics of Sprout

Start at: 2018-01-17 01:57:10
End at: 2018-01-17 01:57:40
Local clock offset: -4.358 ms
Remote clock offset: -1.69 ms

```
# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 1.139 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.09%
```


Run 7: Report of Sprout — Data Link

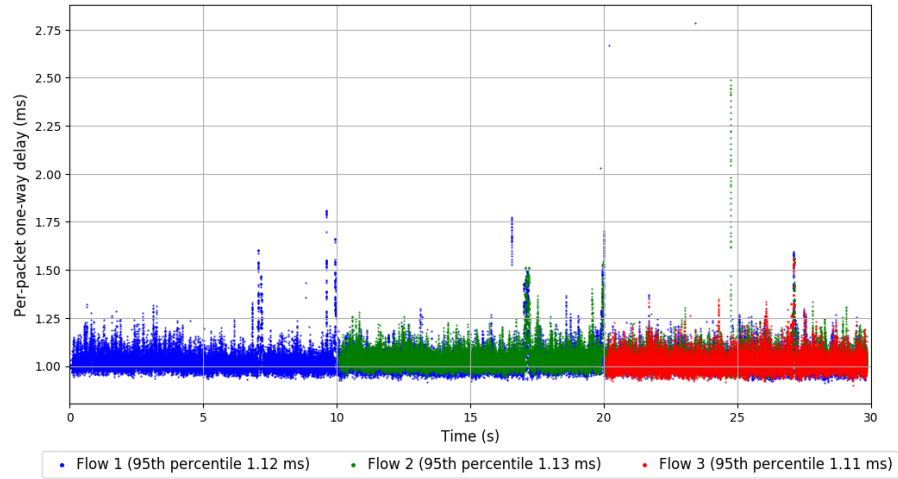
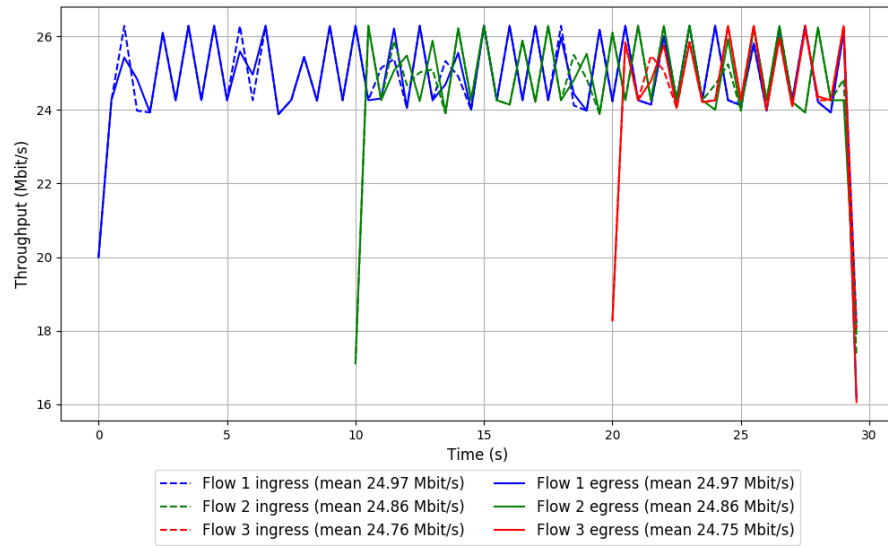


Run 8: Statistics of Sprout

Start at: 2018-01-17 02:24:22
End at: 2018-01-17 02:24:52
Local clock offset: -2.938 ms
Remote clock offset: -1.746 ms

```
# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.62 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.97 Mbit/s
95th percentile per-packet one-way delay: 1.122 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 1.113 ms
Loss rate: 0.41%
```

Run 8: Report of Sprout — Data Link

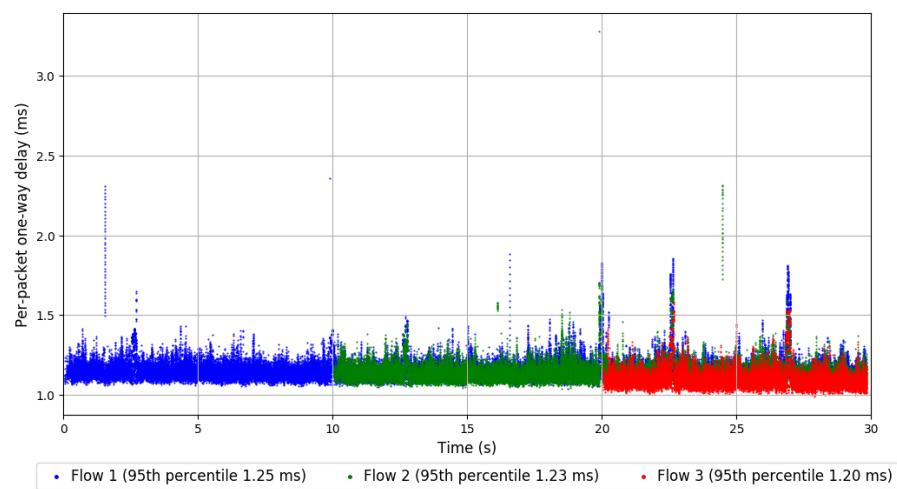
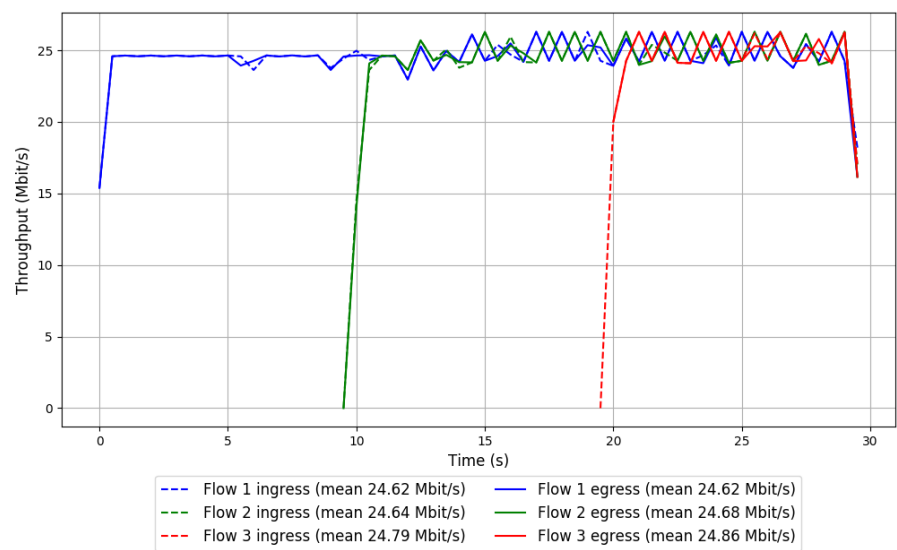


Run 9: Statistics of Sprout

Start at: 2018-01-17 02:52:03
End at: 2018-01-17 02:52:33
Local clock offset: -1.81 ms
Remote clock offset: -2.168 ms

```
# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 1.231 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.17%
```

Run 9: Report of Sprout — Data Link

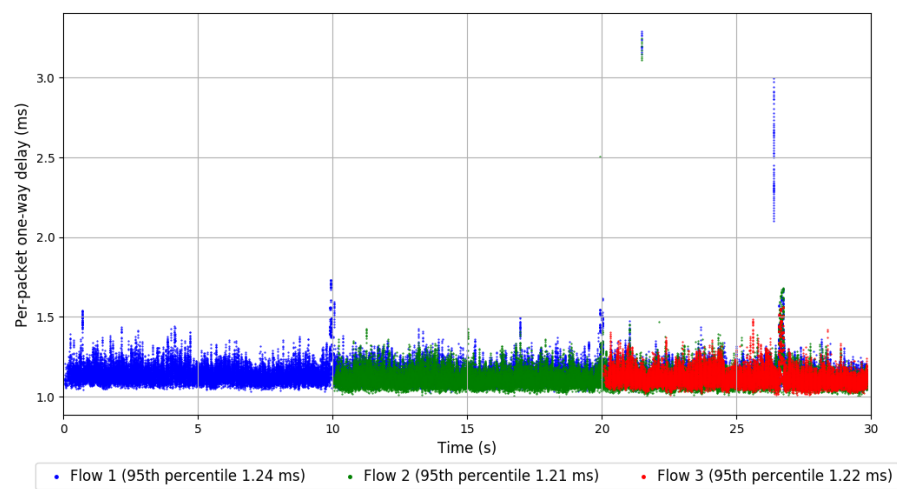
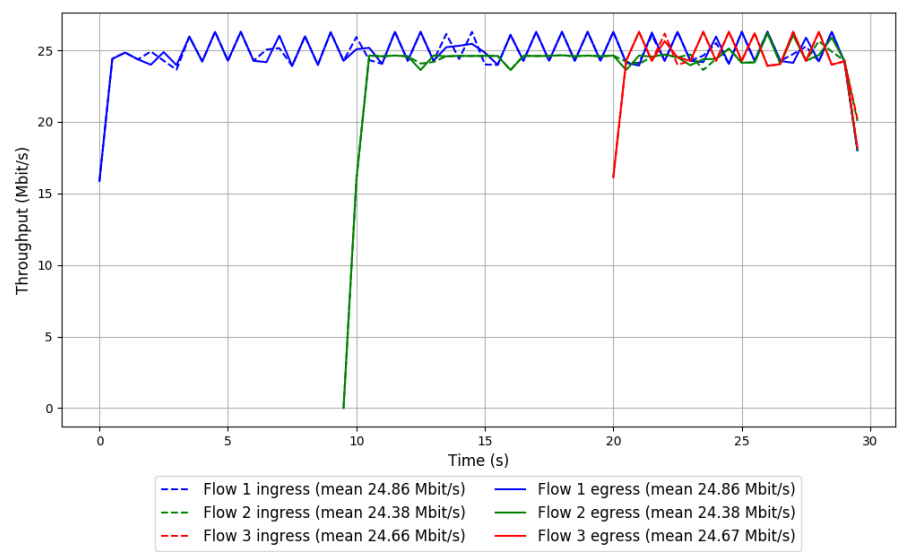


Run 10: Statistics of Sprout

Start at: 2018-01-17 03:19:22
End at: 2018-01-17 03:19:52
Local clock offset: -1.015 ms
Remote clock offset: -2.468 ms

```
# Below is generated by plot.py at 2018-01-17 09:20:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 1.229 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.42%
```

Run 10: Report of Sprout — Data Link

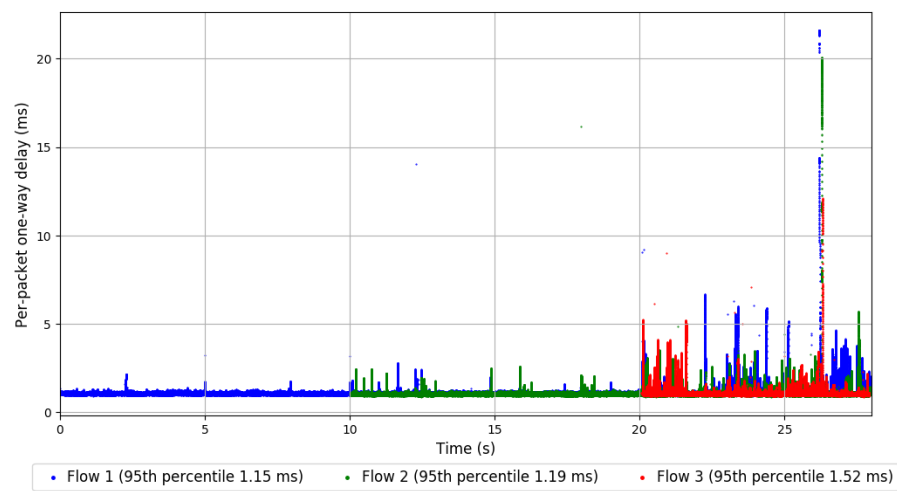
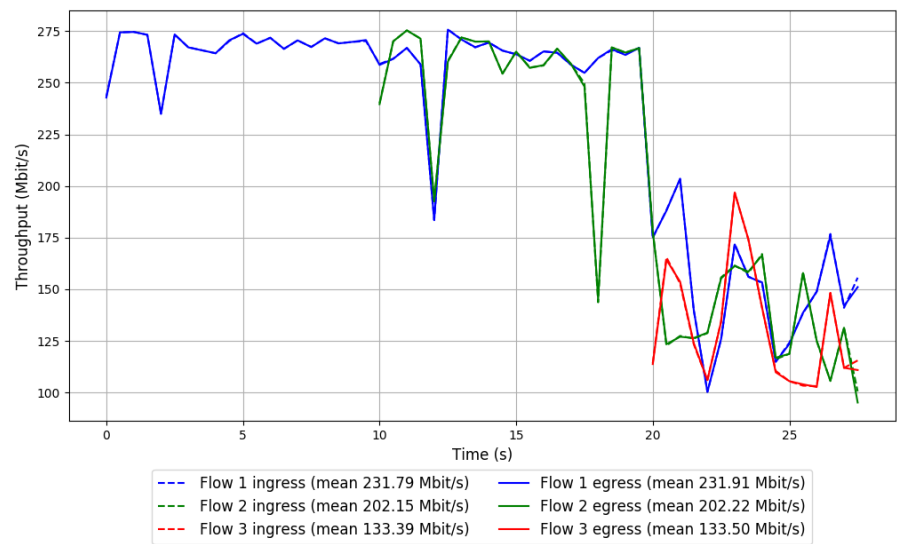


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-16 23:00:37
End at: 2018-01-16 23:01:07
Local clock offset: -5.034 ms
Remote clock offset: -4.203 ms

# Below is generated by plot.py at 2018-01-17 09:26:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 399.32 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 231.91 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 202.22 Mbit/s
95th percentile per-packet one-way delay: 1.187 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 133.50 Mbit/s
95th percentile per-packet one-way delay: 1.524 ms
Loss rate: 0.23%
```


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

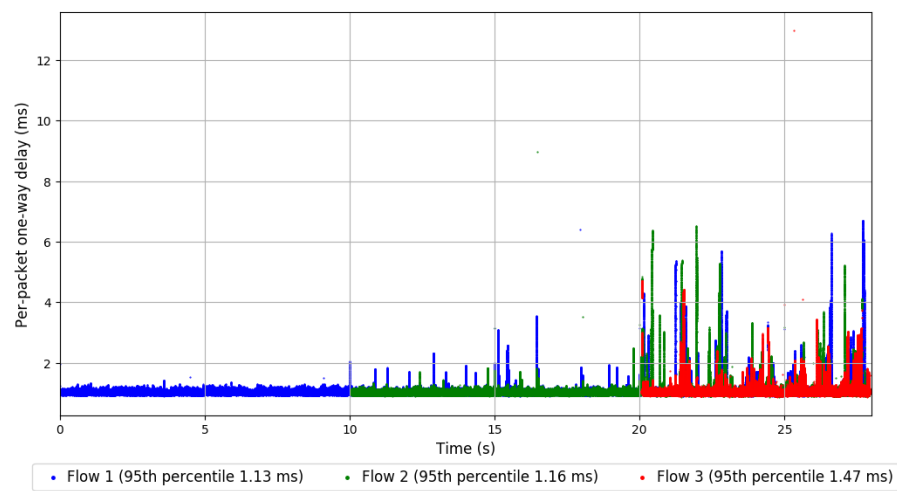
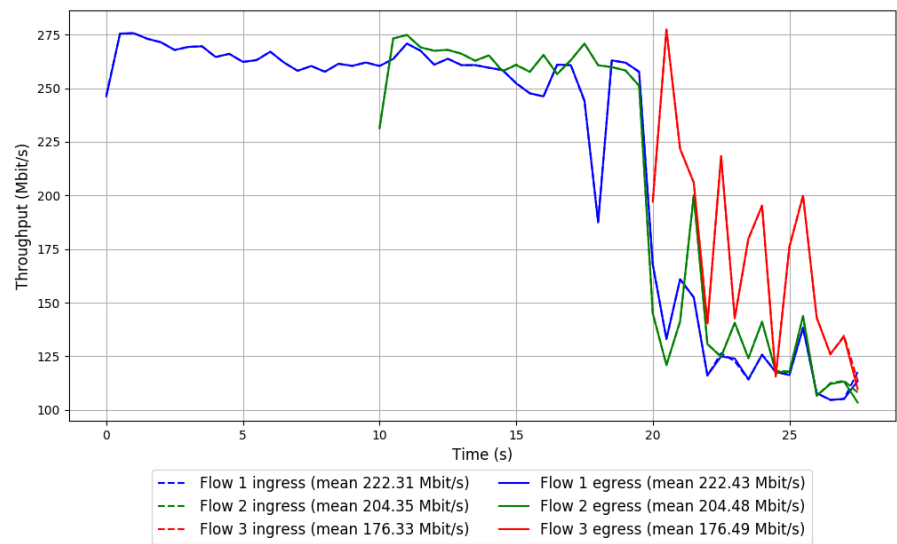


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-16 23:27:44
End at: 2018-01-16 23:28:14
Local clock offset: -5.081 ms
Remote clock offset: -3.422 ms

Below is generated by plot.py at 2018-01-17 09:26:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.35 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 222.43 Mbit/s
95th percentile per-packet one-way delay: 1.128 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 204.48 Mbit/s
95th percentile per-packet one-way delay: 1.163 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 176.49 Mbit/s
95th percentile per-packet one-way delay: 1.471 ms
Loss rate: 0.17%

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

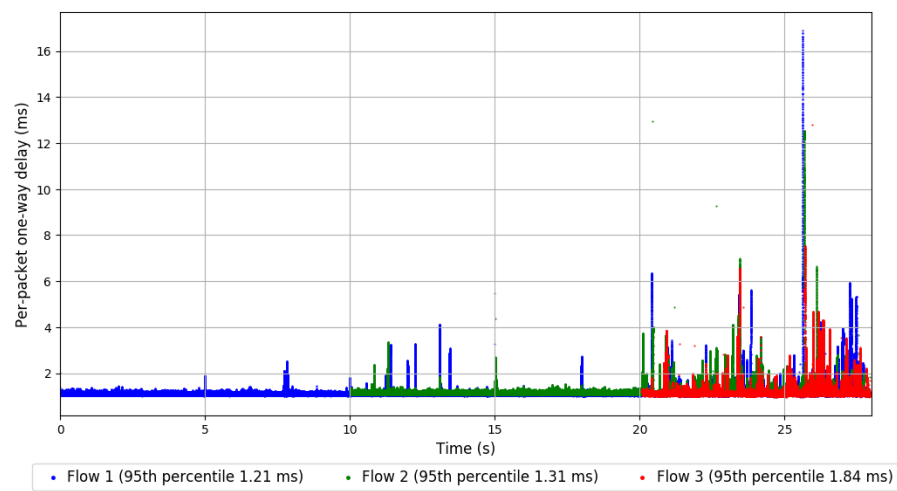
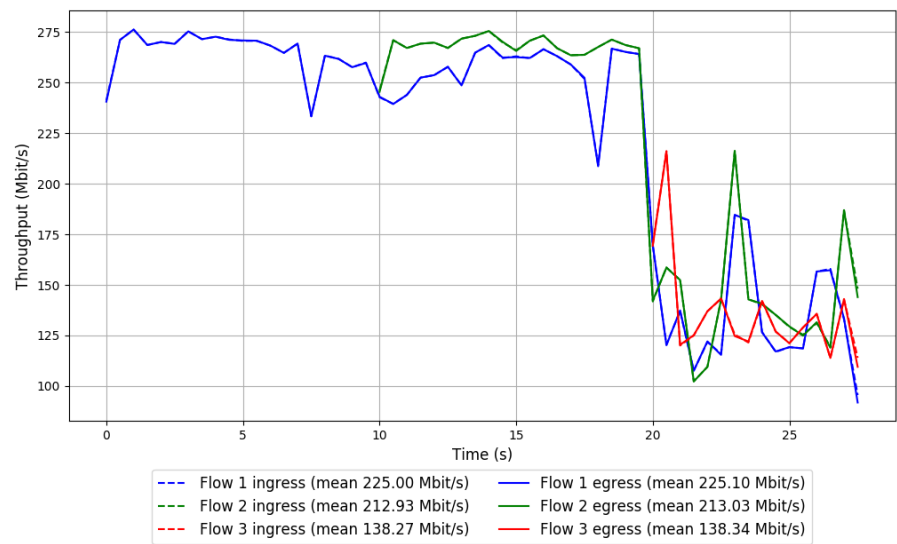


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-16 23:54:49
End at: 2018-01-16 23:55:19
Local clock offset: -5.097 ms
Remote clock offset: -3.256 ms

Below is generated by plot.py at 2018-01-17 09:26:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.86 Mbit/s
95th percentile per-packet one-way delay: 1.286 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 225.10 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 213.03 Mbit/s
95th percentile per-packet one-way delay: 1.307 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 138.34 Mbit/s
95th percentile per-packet one-way delay: 1.842 ms
Loss rate: 0.21%

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

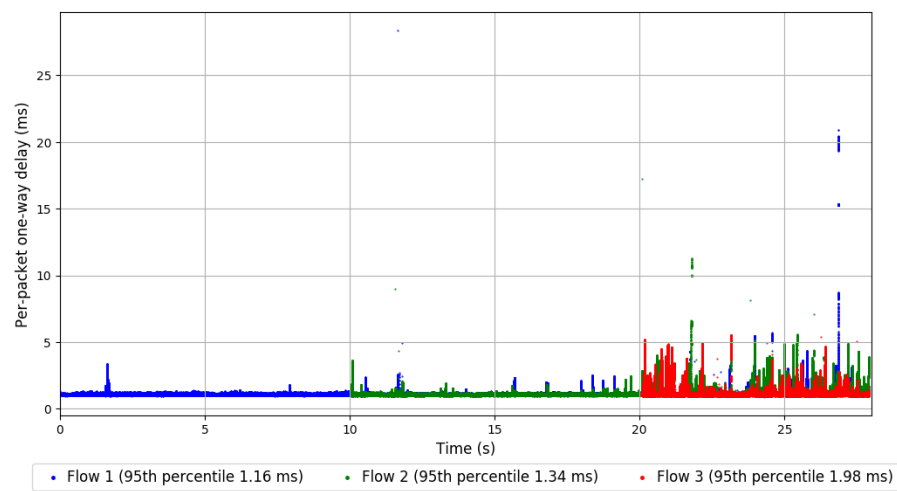
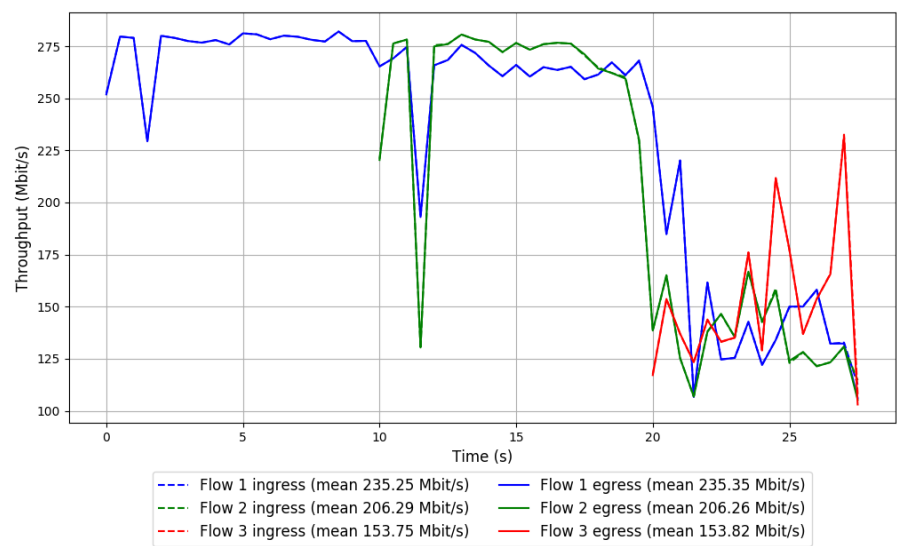


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-17 00:22:17
End at: 2018-01-17 00:22:47
Local clock offset: -5.279 ms
Remote clock offset: -2.685 ms

Below is generated by plot.py at 2018-01-17 09:27:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 411.04 Mbit/s
95th percentile per-packet one-way delay: 1.248 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 235.35 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 206.26 Mbit/s
95th percentile per-packet one-way delay: 1.344 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 153.82 Mbit/s
95th percentile per-packet one-way delay: 1.979 ms
Loss rate: 0.27%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-01-17 00:49:49

End at: 2018-01-17 00:50:19

Local clock offset: -5.374 ms

Remote clock offset: -1.95 ms

Below is generated by plot.py at 2018-01-17 09:27:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.51 Mbit/s

95th percentile per-packet one-way delay: 1.303 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 235.81 Mbit/s

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

Loss rate: 0.02%

-- Flow 2:

Average throughput: 215.66 Mbit/s

95th percentile per-packet one-way delay: 1.461 ms

Loss rate: 0.03%

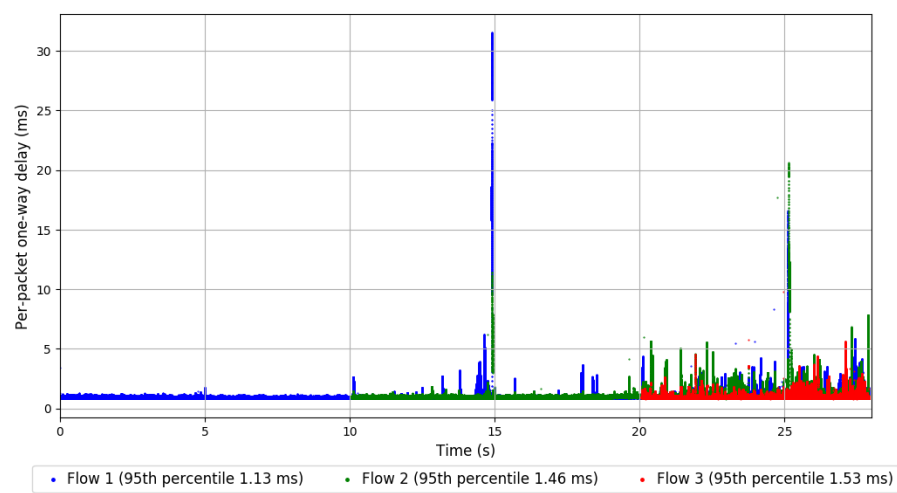
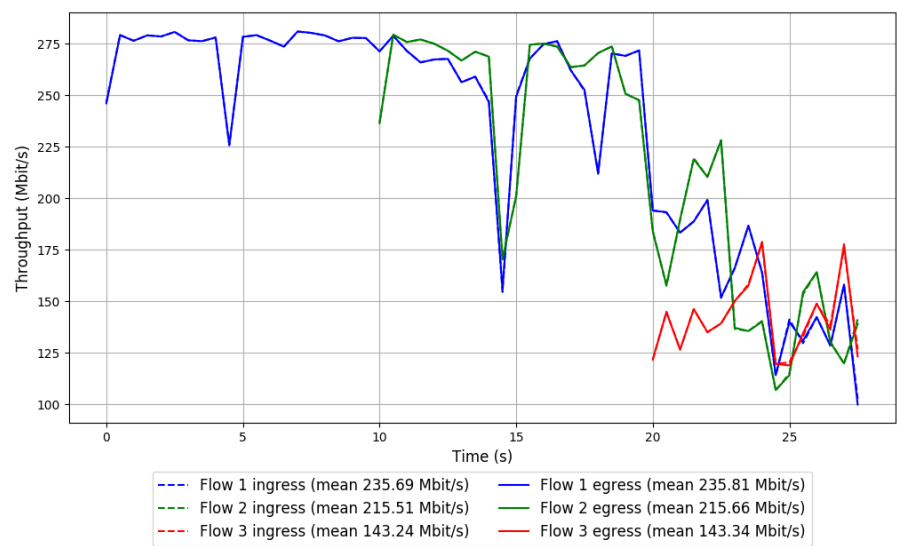
-- Flow 3:

Average throughput: 143.34 Mbit/s

95th percentile per-packet one-way delay: 1.534 ms

Loss rate: 0.17%

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

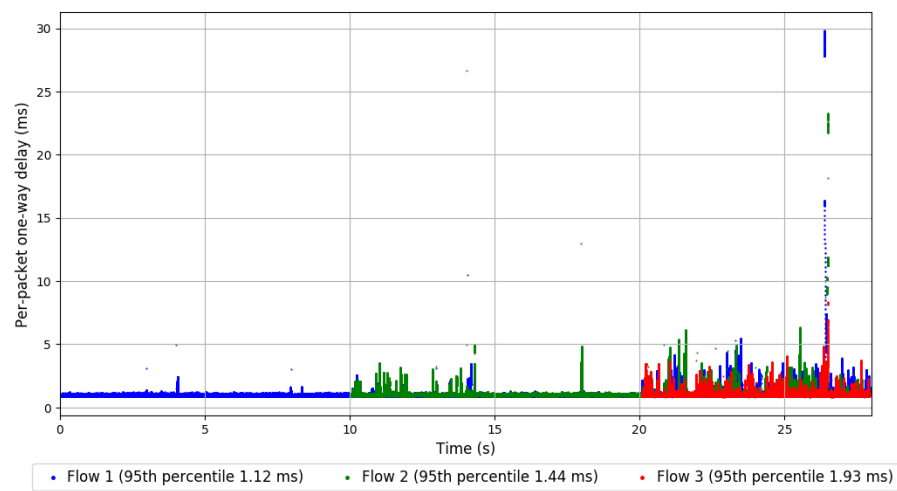
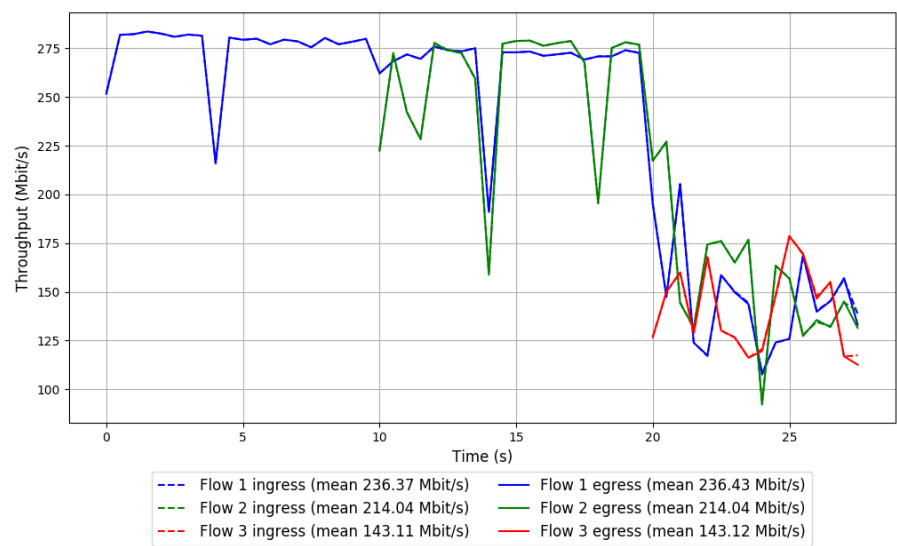


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-17 01:17:25
End at: 2018-01-17 01:17:55
Local clock offset: -5.307 ms
Remote clock offset: -1.675 ms

Below is generated by plot.py at 2018-01-17 09:27:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 414.00 Mbit/s
95th percentile per-packet one-way delay: 1.344 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 236.43 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 214.04 Mbit/s
95th percentile per-packet one-way delay: 1.442 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 143.12 Mbit/s
95th percentile per-packet one-way delay: 1.928 ms
Loss rate: 0.23%

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

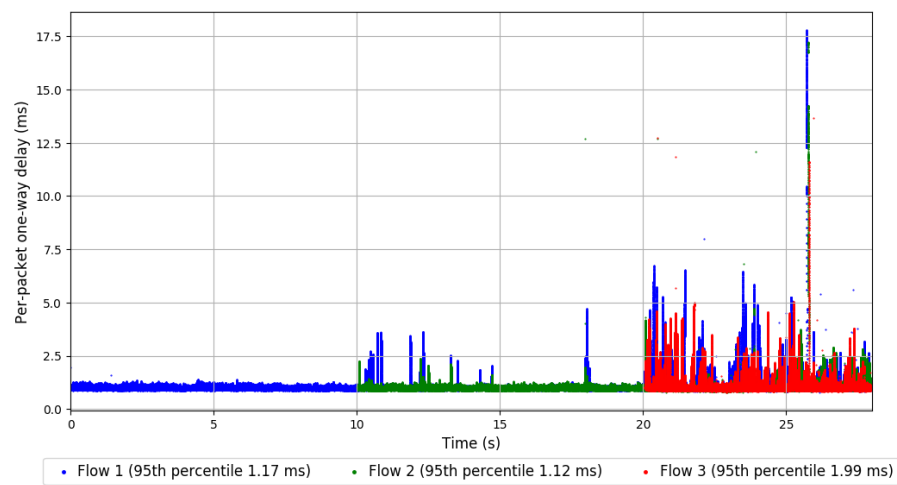
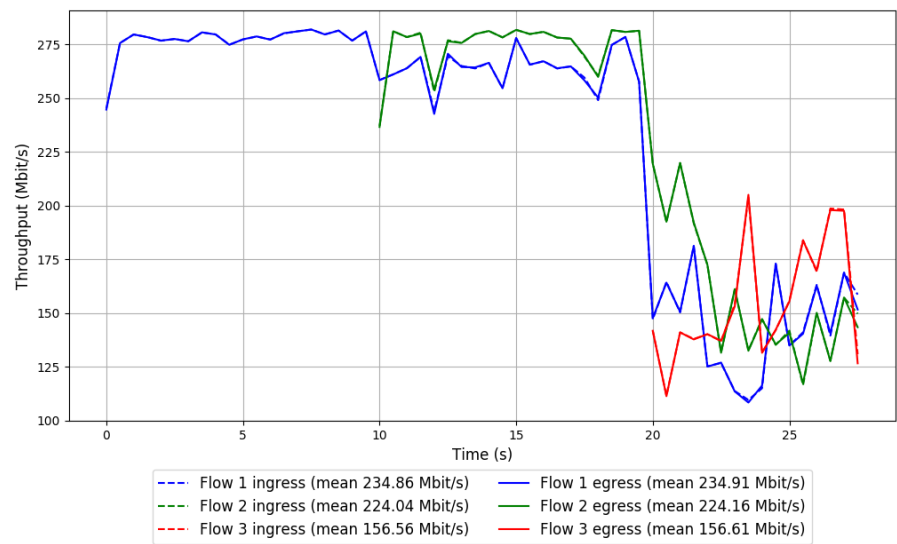


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-17 01:44:32
End at: 2018-01-17 01:45:02
Local clock offset: -4.895 ms
Remote clock offset: -1.575 ms

Below is generated by plot.py at 2018-01-17 09:30:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.99 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 234.91 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 224.16 Mbit/s
95th percentile per-packet one-way delay: 1.117 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 156.61 Mbit/s
95th percentile per-packet one-way delay: 1.993 ms
Loss rate: 0.22%

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

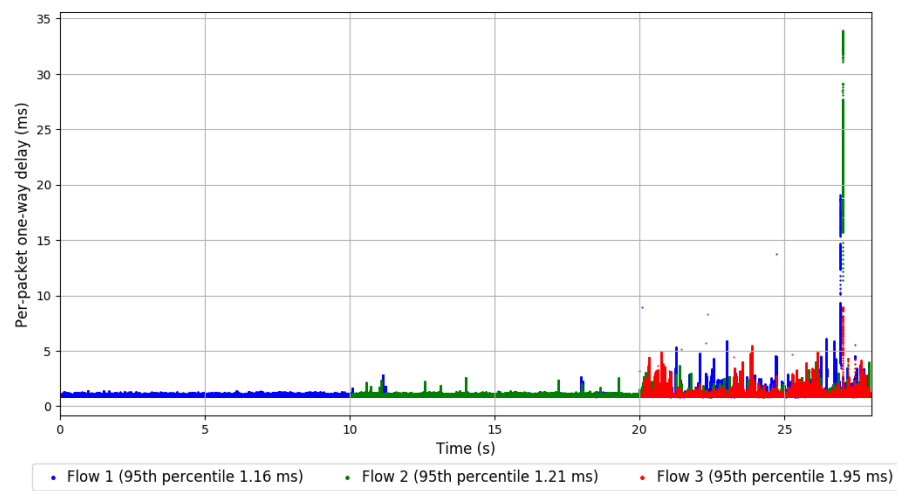
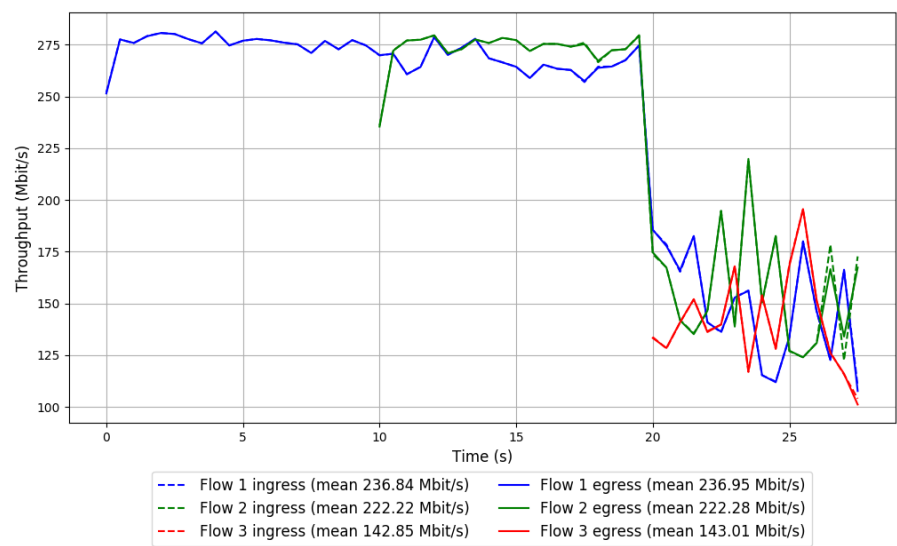


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-17 02:11:59
End at: 2018-01-17 02:12:29
Local clock offset: -3.43 ms
Remote clock offset: -2.017 ms

Below is generated by plot.py at 2018-01-17 09:30:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 419.86 Mbit/s
95th percentile per-packet one-way delay: 1.261 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 236.95 Mbit/s
95th percentile per-packet one-way delay: 1.155 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 222.28 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 143.01 Mbit/s
95th percentile per-packet one-way delay: 1.947 ms
Loss rate: 0.14%

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

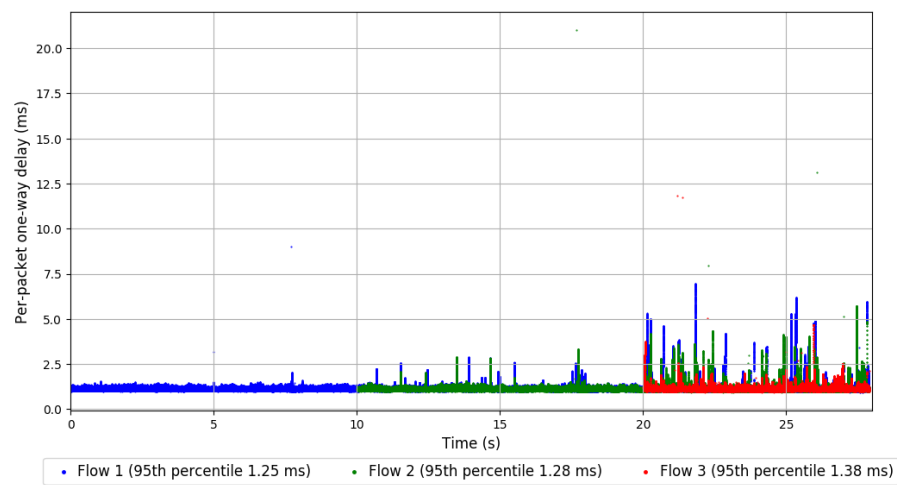
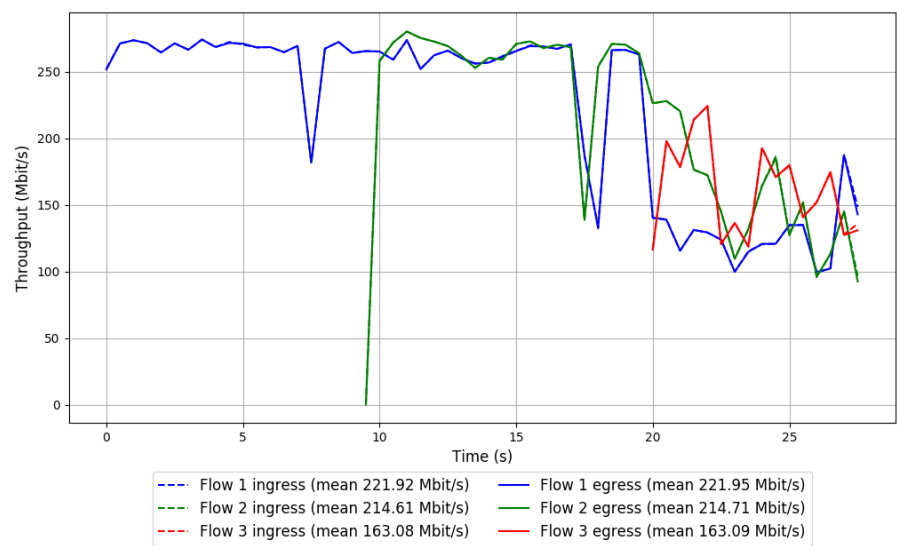


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-17 02:39:24
End at: 2018-01-17 02:39:54
Local clock offset: -2.586 ms
Remote clock offset: -2.112 ms

Below is generated by plot.py at 2018-01-17 09:36:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.99 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 221.95 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 214.71 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 163.09 Mbit/s
95th percentile per-packet one-way delay: 1.375 ms
Loss rate: 0.21%

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

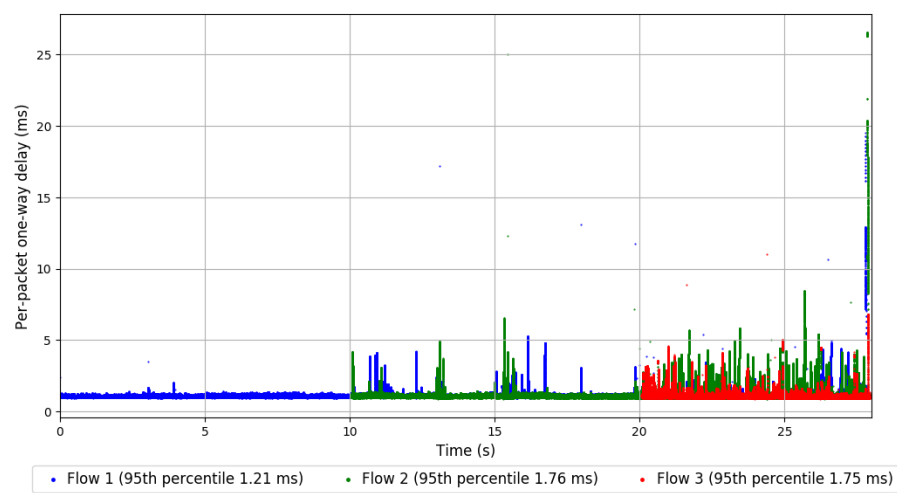
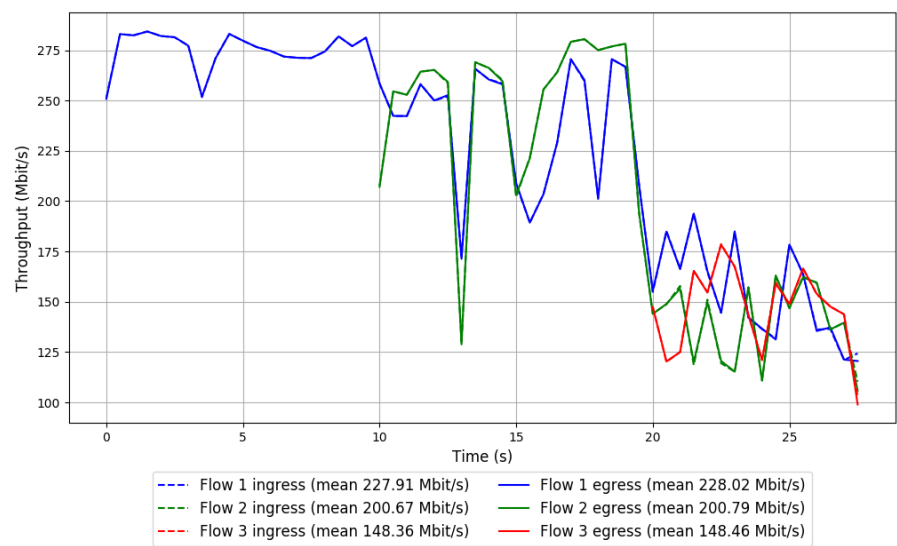


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-17 03:06:55
End at: 2018-01-17 03:07:25
Local clock offset: -0.956 ms
Remote clock offset: -2.165 ms

Below is generated by plot.py at 2018-01-17 09:36:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.70 Mbit/s
95th percentile per-packet one-way delay: 1.370 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 228.02 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 200.79 Mbit/s
95th percentile per-packet one-way delay: 1.759 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 148.46 Mbit/s
95th percentile per-packet one-way delay: 1.753 ms
Loss rate: 0.16%

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

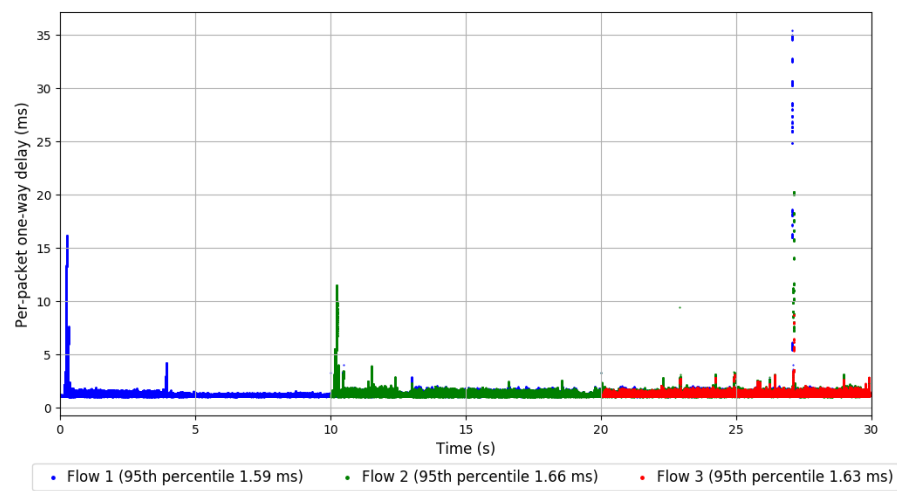
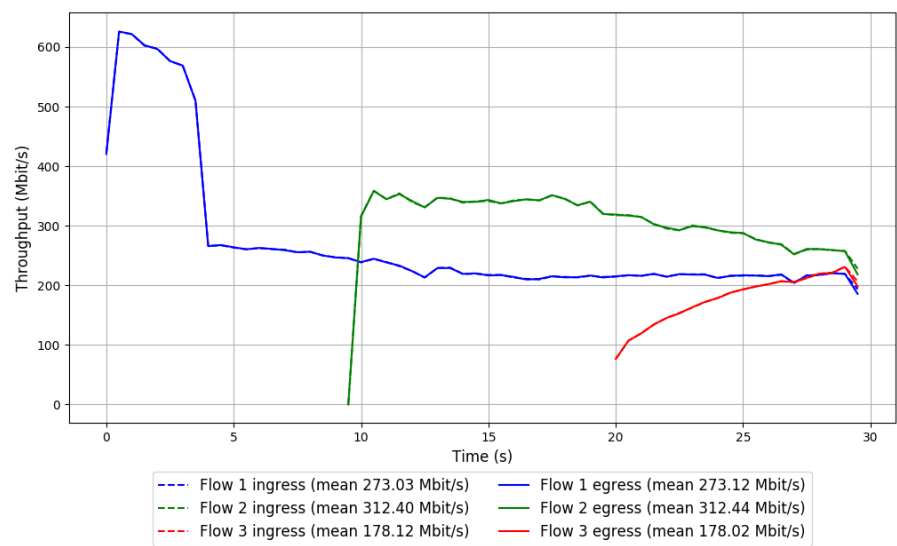


Run 1: Statistics of TCP Vegas

Start at: 2018-01-16 23:11:18
End at: 2018-01-16 23:11:48
Local clock offset: -5.047 ms
Remote clock offset: -4.238 ms

Below is generated by plot.py at 2018-01-17 09:36:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 540.06 Mbit/s
95th percentile per-packet one-way delay: 1.621 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 273.12 Mbit/s
95th percentile per-packet one-way delay: 1.587 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 312.44 Mbit/s
95th percentile per-packet one-way delay: 1.655 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 178.02 Mbit/s
95th percentile per-packet one-way delay: 1.634 ms
Loss rate: 0.26%

Run 1: Report of TCP Vegas — Data Link

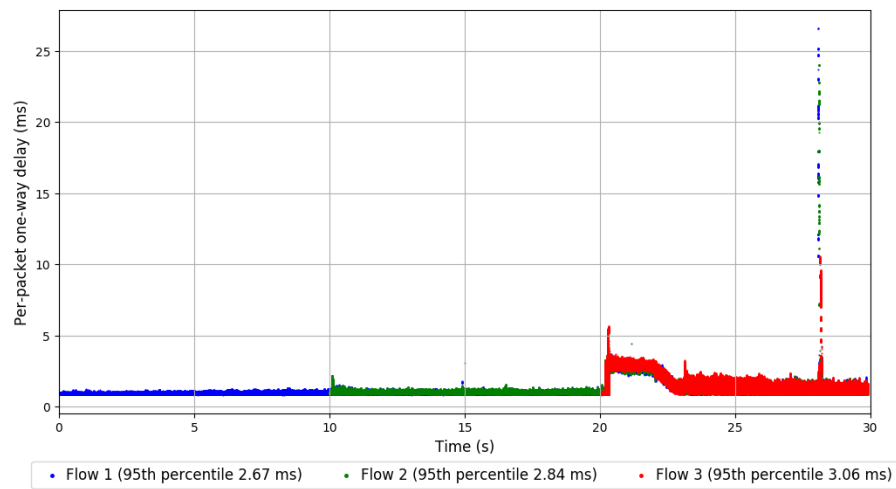
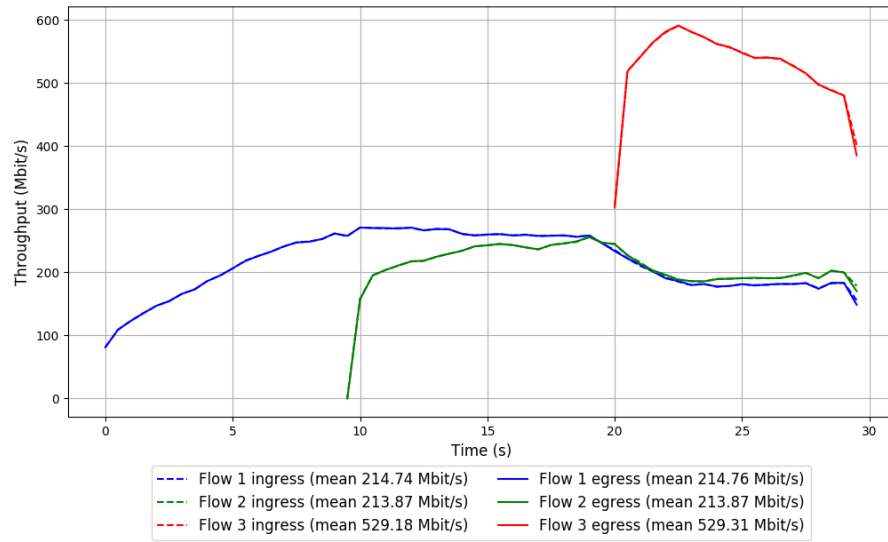


Run 2: Statistics of TCP Vegas

Start at: 2018-01-16 23:38:32
End at: 2018-01-16 23:39:02
Local clock offset: -5.176 ms
Remote clock offset: -3.386 ms

Below is generated by plot.py at 2018-01-17 09:36:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 531.64 Mbit/s
95th percentile per-packet one-way delay: 2.923 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 214.76 Mbit/s
95th percentile per-packet one-way delay: 2.670 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 213.87 Mbit/s
95th percentile per-packet one-way delay: 2.844 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 529.31 Mbit/s
95th percentile per-packet one-way delay: 3.055 ms
Loss rate: 0.18%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-01-17 00:05:48

End at: 2018-01-17 00:06:18

Local clock offset: -5.11 ms

Remote clock offset: -3.24 ms

Below is generated by plot.py at 2018-01-17 09:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 763.63 Mbit/s

95th percentile per-packet one-way delay: 3.675 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 332.40 Mbit/s

95th percentile per-packet one-way delay: 2.541 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 498.64 Mbit/s

95th percentile per-packet one-way delay: 8.397 ms

Loss rate: 0.07%

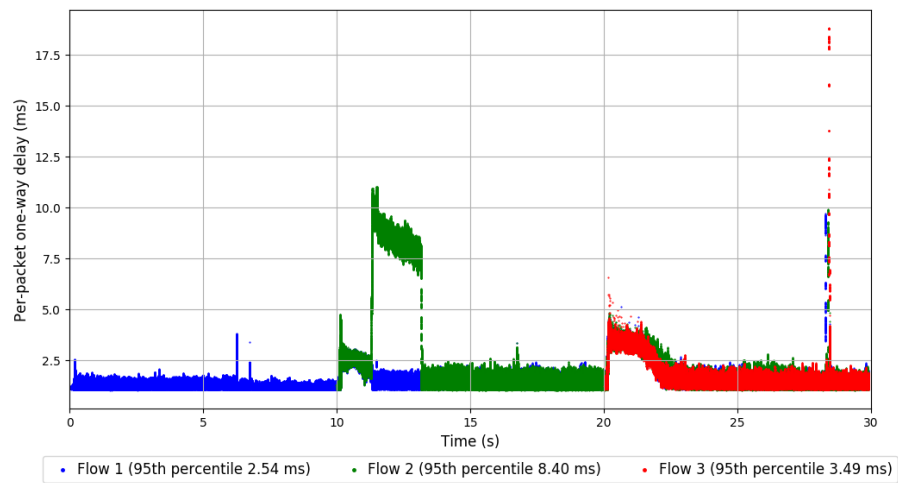
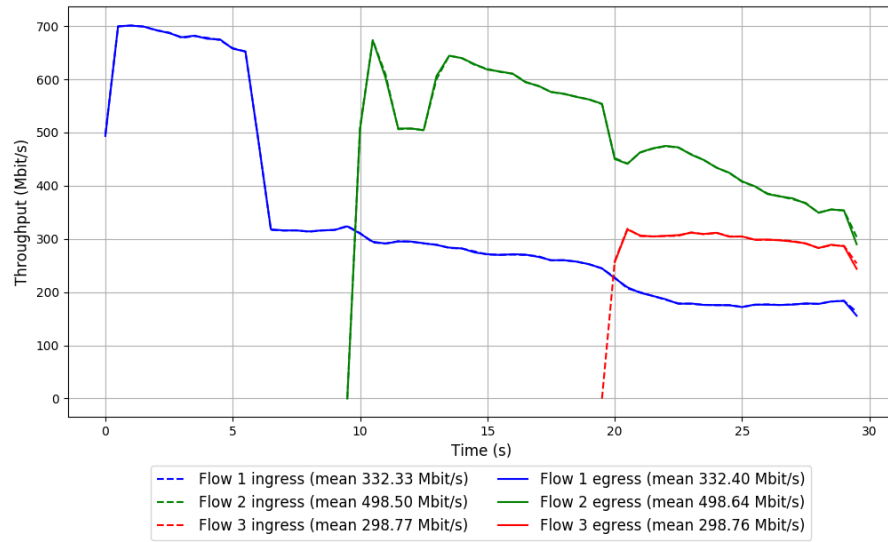
-- Flow 3:

Average throughput: 298.76 Mbit/s

95th percentile per-packet one-way delay: 3.490 ms

Loss rate: 0.20%

Run 3: Report of TCP Vegas — Data Link

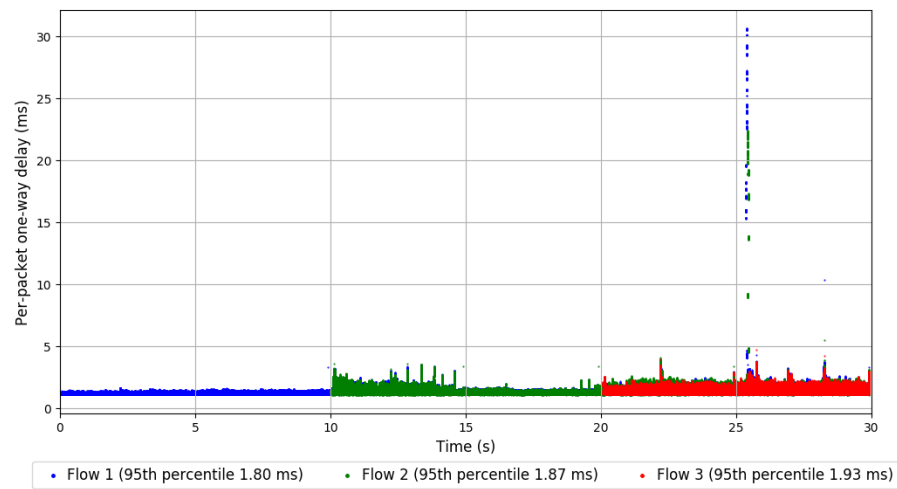
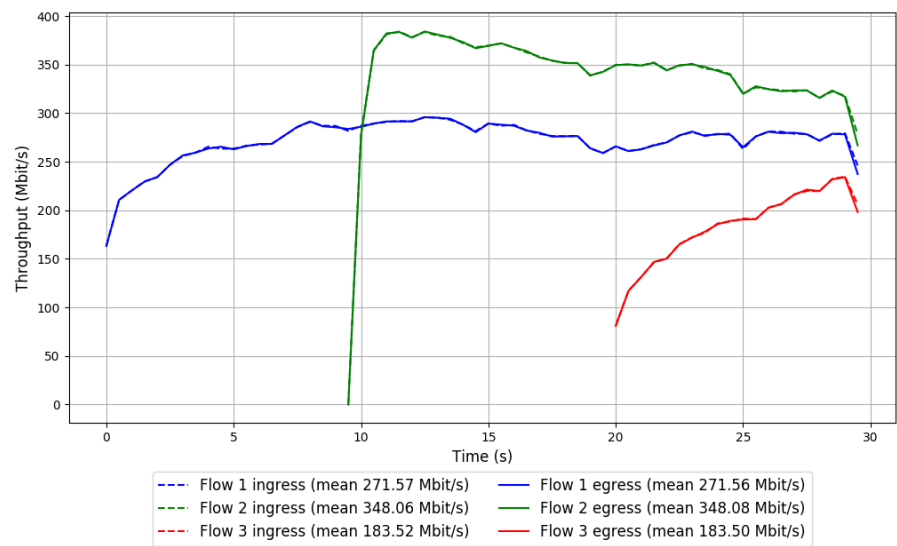


Run 4: Statistics of TCP Vegas

Start at: 2018-01-17 00:33:19
End at: 2018-01-17 00:33:49
Local clock offset: -5.228 ms
Remote clock offset: -2.335 ms

Below is generated by plot.py at 2018-01-17 09:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.03 Mbit/s
95th percentile per-packet one-way delay: 1.852 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 271.56 Mbit/s
95th percentile per-packet one-way delay: 1.800 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 348.08 Mbit/s
95th percentile per-packet one-way delay: 1.873 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 183.50 Mbit/s
95th percentile per-packet one-way delay: 1.929 ms
Loss rate: 0.24%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-01-17 01:00:58

End at: 2018-01-17 01:01:28

Local clock offset: -5.381 ms

Remote clock offset: -1.92 ms

Below is generated by plot.py at 2018-01-17 09:38:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 582.14 Mbit/s

95th percentile per-packet one-way delay: 1.784 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 259.16 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 306.39 Mbit/s

95th percentile per-packet one-way delay: 1.752 ms

Loss rate: 0.09%

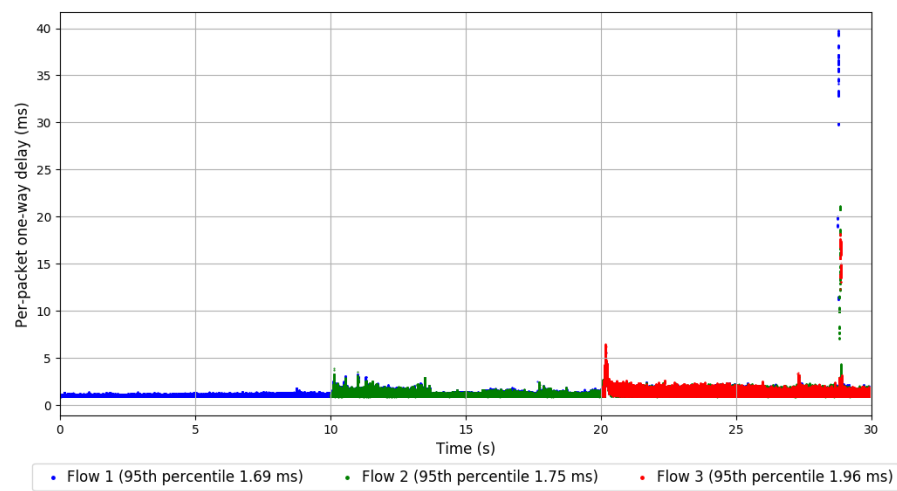
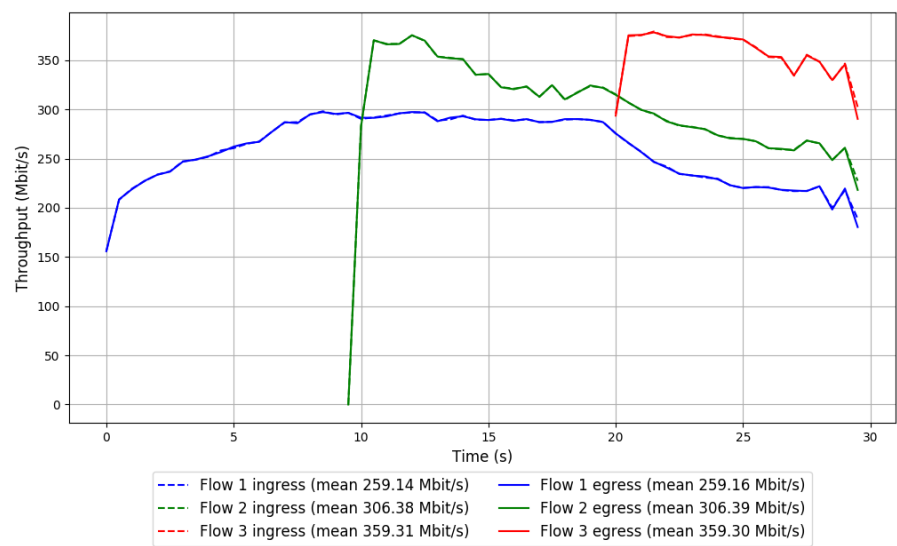
-- Flow 3:

Average throughput: 359.30 Mbit/s

95th percentile per-packet one-way delay: 1.956 ms

Loss rate: 0.19%

Run 5: Report of TCP Vegas — Data Link

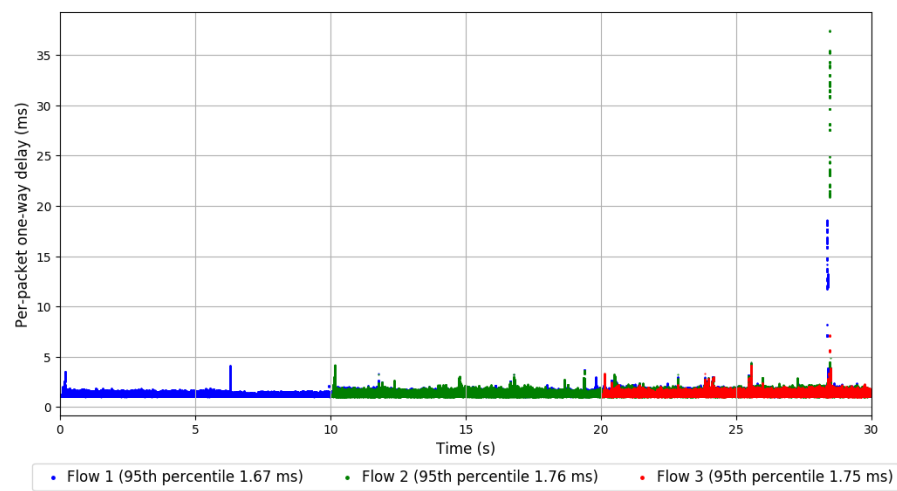
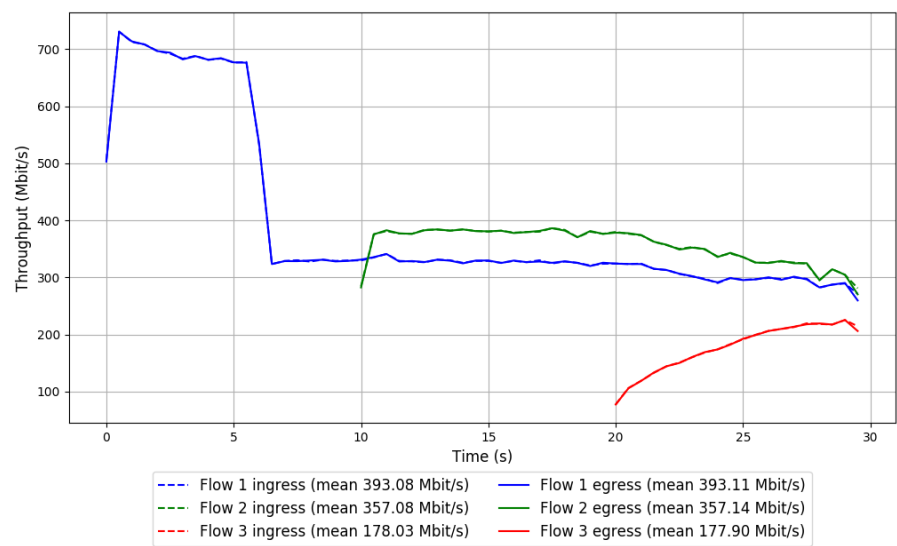


Run 6: Statistics of TCP Vegas

Start at: 2018-01-17 01:28:01
End at: 2018-01-17 01:28:31
Local clock offset: -5.147 ms
Remote clock offset: -1.718 ms

Below is generated by plot.py at 2018-01-17 09:40:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 689.76 Mbit/s
95th percentile per-packet one-way delay: 1.712 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 393.11 Mbit/s
95th percentile per-packet one-way delay: 1.670 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 357.14 Mbit/s
95th percentile per-packet one-way delay: 1.757 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 177.90 Mbit/s
95th percentile per-packet one-way delay: 1.754 ms
Loss rate: 0.25%

Run 6: Report of TCP Vegas — Data Link

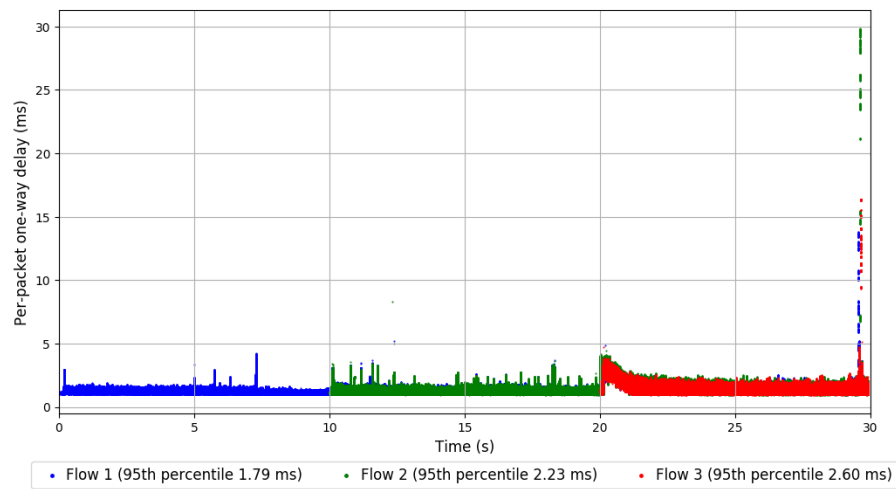
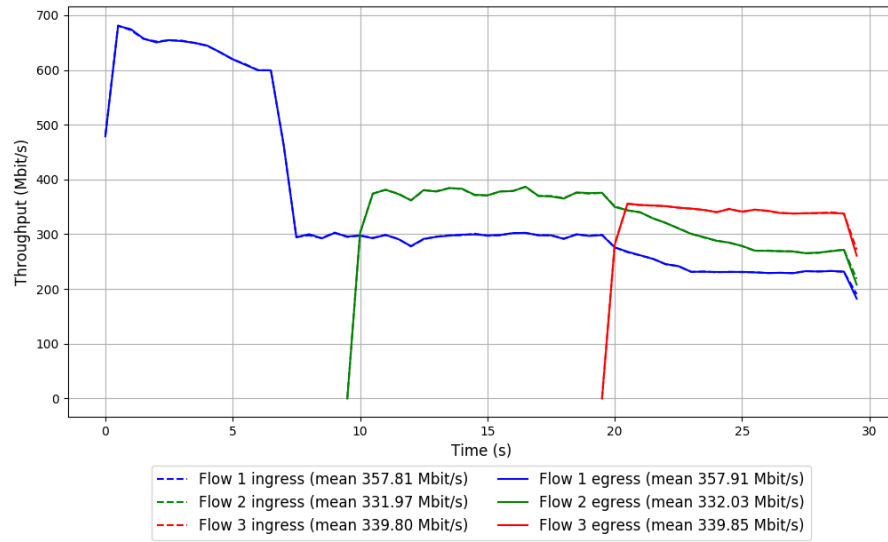


Run 7: Statistics of TCP Vegas

Start at: 2018-01-17 01:55:31
End at: 2018-01-17 01:56:01
Local clock offset: -4.422 ms
Remote clock offset: -1.704 ms

Below is generated by plot.py at 2018-01-17 09:43:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 691.79 Mbit/s
95th percentile per-packet one-way delay: 2.074 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 357.91 Mbit/s
95th percentile per-packet one-way delay: 1.788 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 332.03 Mbit/s
95th percentile per-packet one-way delay: 2.226 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 339.85 Mbit/s
95th percentile per-packet one-way delay: 2.598 ms
Loss rate: 0.18%

Run 7: Report of TCP Vegas — Data Link

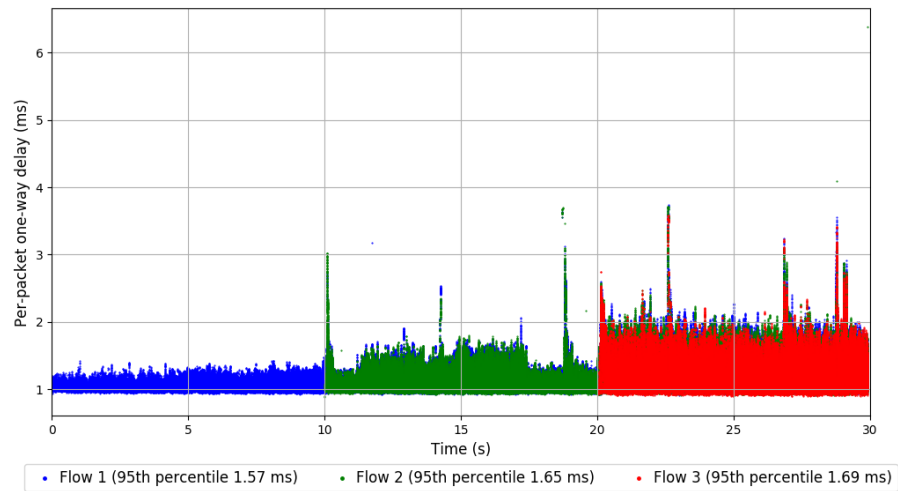
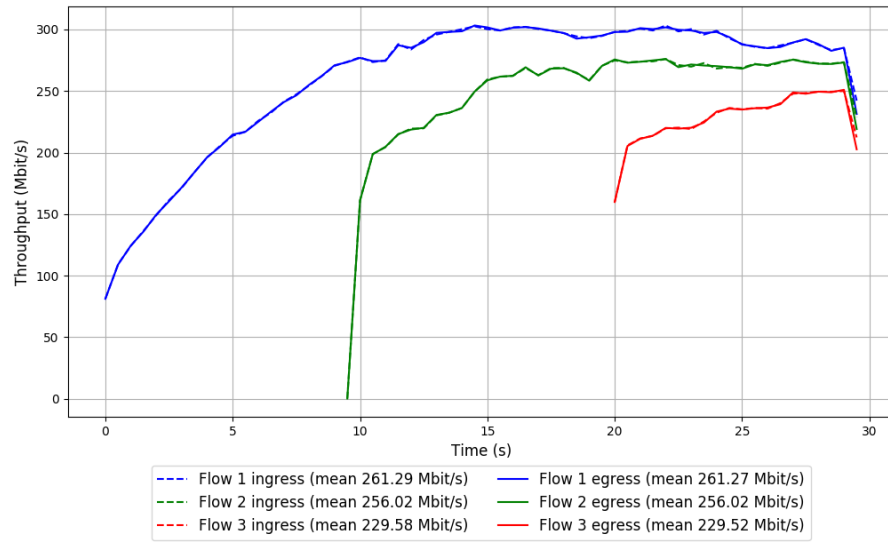


Run 8: Statistics of TCP Vegas

Start at: 2018-01-17 02:22:50
End at: 2018-01-17 02:23:20
Local clock offset: -3.061 ms
Remote clock offset: -1.809 ms

Below is generated by plot.py at 2018-01-17 09:43:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 507.74 Mbit/s
95th percentile per-packet one-way delay: 1.620 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 261.27 Mbit/s
95th percentile per-packet one-way delay: 1.570 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 256.02 Mbit/s
95th percentile per-packet one-way delay: 1.645 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 229.52 Mbit/s
95th percentile per-packet one-way delay: 1.689 ms
Loss rate: 0.22%

Run 8: Report of TCP Vegas — Data Link

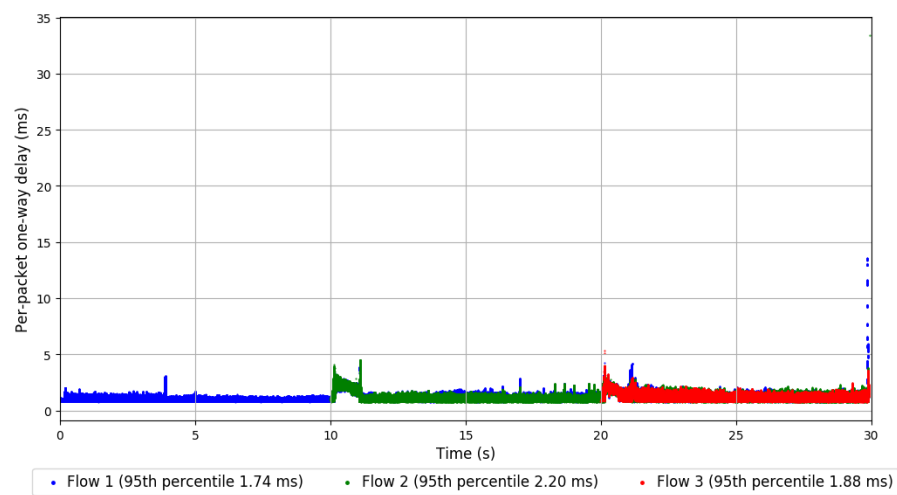
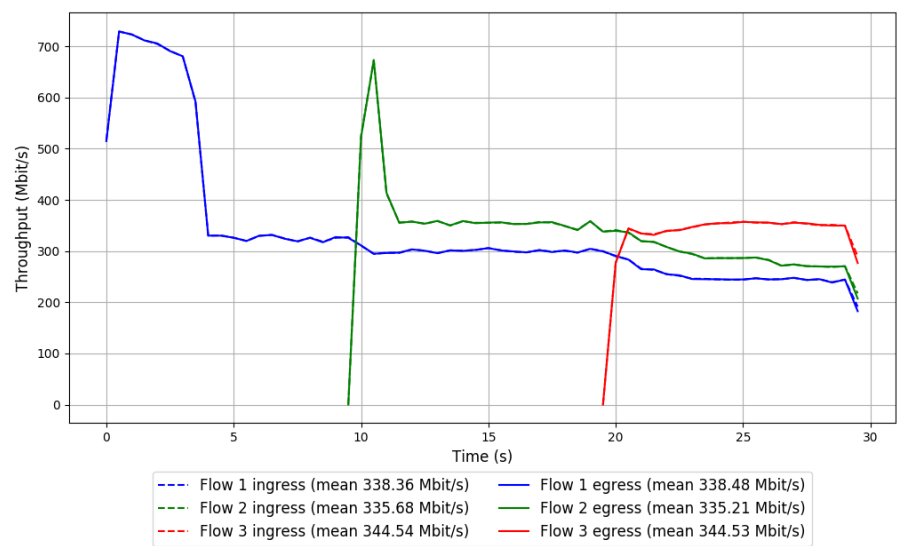


Run 9: Statistics of TCP Vegas

Start at: 2018-01-17 02:50:25
End at: 2018-01-17 02:50:55
Local clock offset: -2.027 ms
Remote clock offset: -2.062 ms

Below is generated by plot.py at 2018-01-17 09:44:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 675.85 Mbit/s
95th percentile per-packet one-way delay: 1.999 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 338.48 Mbit/s
95th percentile per-packet one-way delay: 1.735 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 335.21 Mbit/s
95th percentile per-packet one-way delay: 2.201 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 344.53 Mbit/s
95th percentile per-packet one-way delay: 1.878 ms
Loss rate: 0.20%

Run 9: Report of TCP Vegas — Data Link

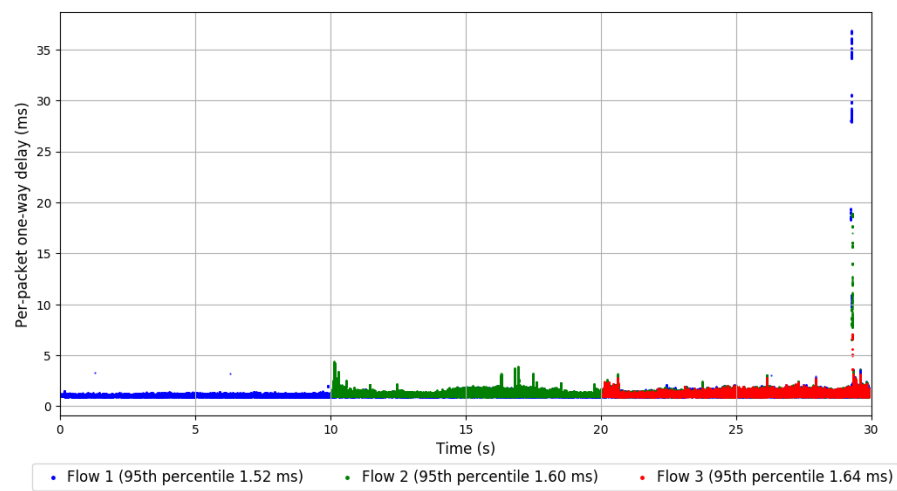
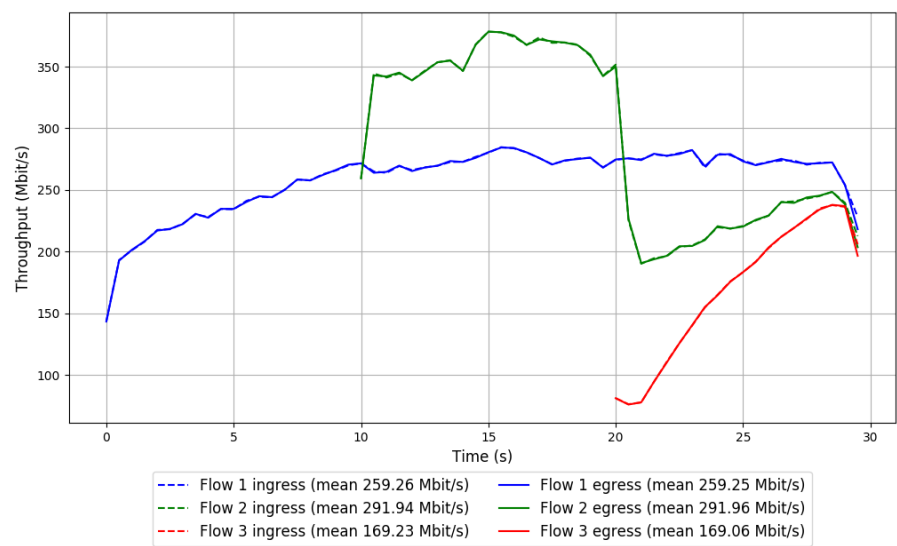


Run 10: Statistics of TCP Vegas

Start at: 2018-01-17 03:17:50
End at: 2018-01-17 03:18:20
Local clock offset: -0.996 ms
Remote clock offset: -2.336 ms

Below is generated by plot.py at 2018-01-17 09:44:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 509.45 Mbit/s
95th percentile per-packet one-way delay: 1.567 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 259.25 Mbit/s
95th percentile per-packet one-way delay: 1.521 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 291.96 Mbit/s
95th percentile per-packet one-way delay: 1.598 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 169.06 Mbit/s
95th percentile per-packet one-way delay: 1.637 ms
Loss rate: 0.29%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-01-16 23:02:16

End at: 2018-01-16 23:02:46

Local clock offset: -5.134 ms

Remote clock offset: -4.3 ms

Below is generated by plot.py at 2018-01-17 09:44:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 461.56 Mbit/s

95th percentile per-packet one-way delay: 6.686 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 277.66 Mbit/s

95th percentile per-packet one-way delay: 6.973 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 197.44 Mbit/s

95th percentile per-packet one-way delay: 5.946 ms

Loss rate: 0.20%

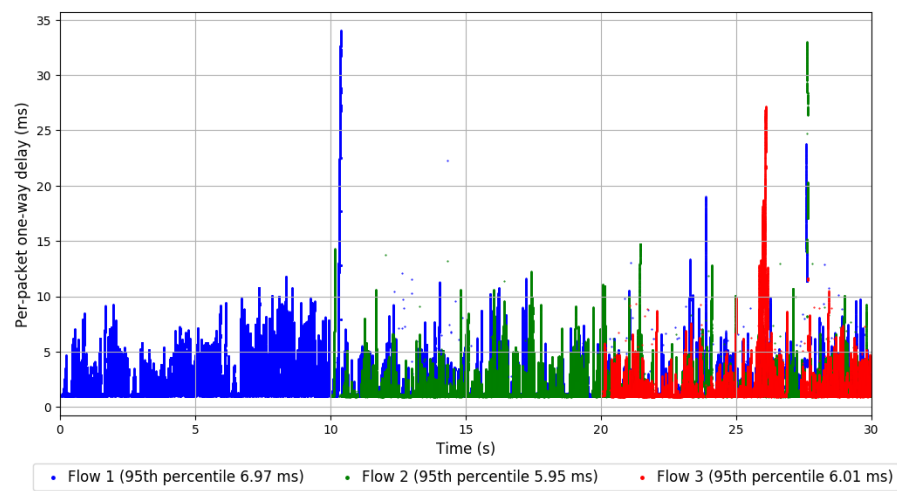
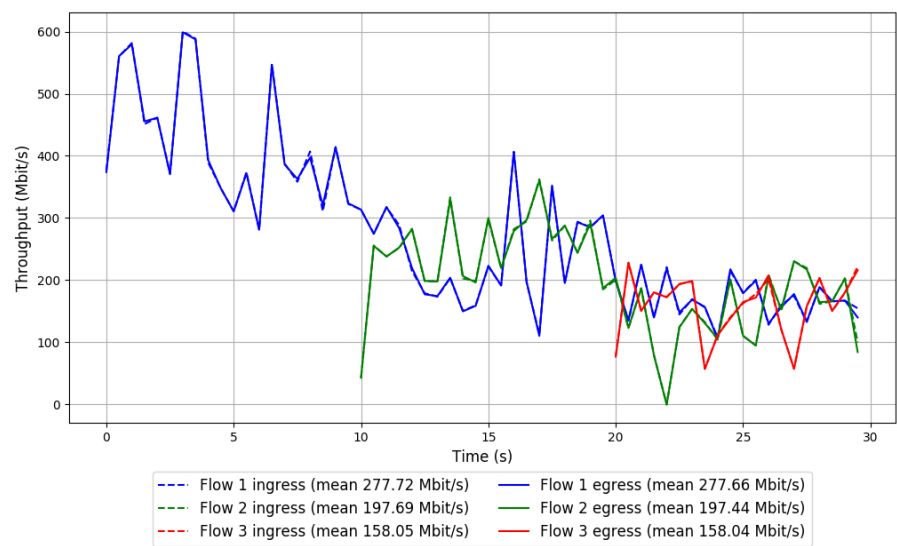
-- Flow 3:

Average throughput: 158.04 Mbit/s

95th percentile per-packet one-way delay: 6.007 ms

Loss rate: 0.18%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-01-16 23:29:23

End at: 2018-01-16 23:29:53

Local clock offset: -5.075 ms

Remote clock offset: -3.52 ms

Below is generated by plot.py at 2018-01-17 09:44:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 360.43 Mbit/s

95th percentile per-packet one-way delay: 19.904 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 211.67 Mbit/s

95th percentile per-packet one-way delay: 26.761 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 149.94 Mbit/s

95th percentile per-packet one-way delay: 6.999 ms

Loss rate: 0.17%

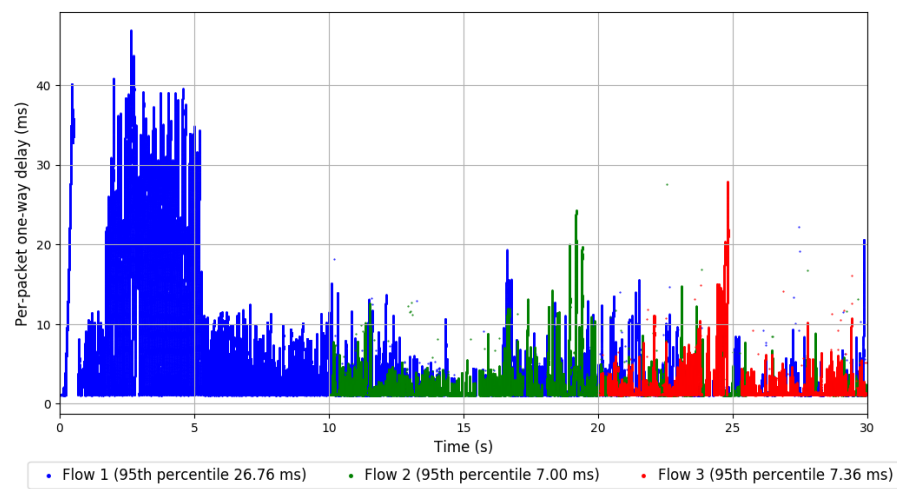
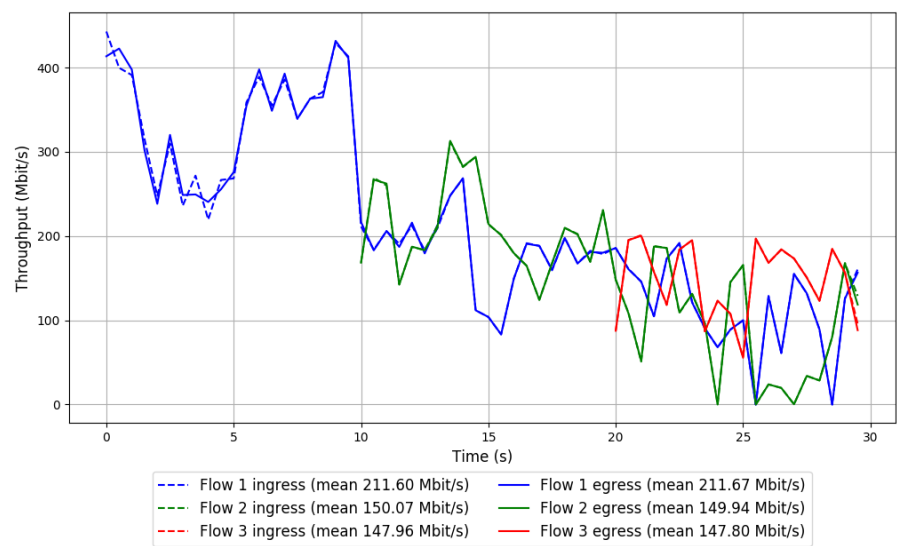
-- Flow 3:

Average throughput: 147.80 Mbit/s

95th percentile per-packet one-way delay: 7.363 ms

Loss rate: 0.26%

Run 2: Report of Verus — Data Link

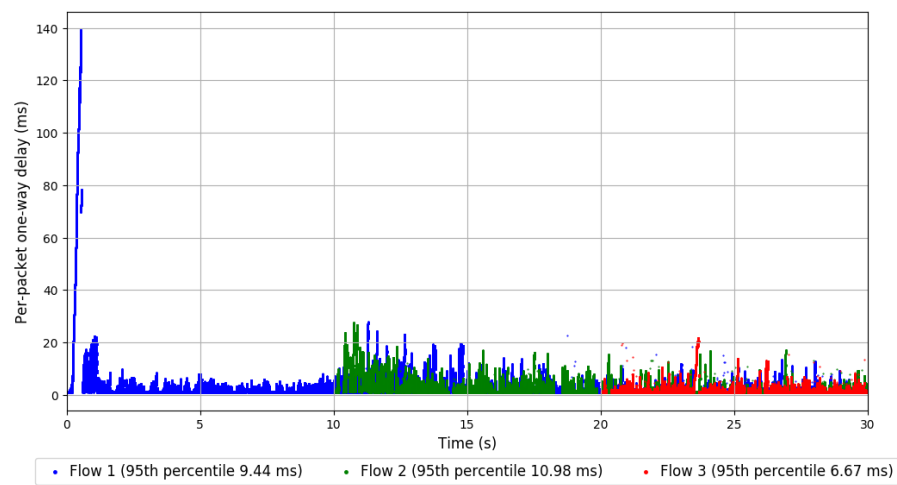
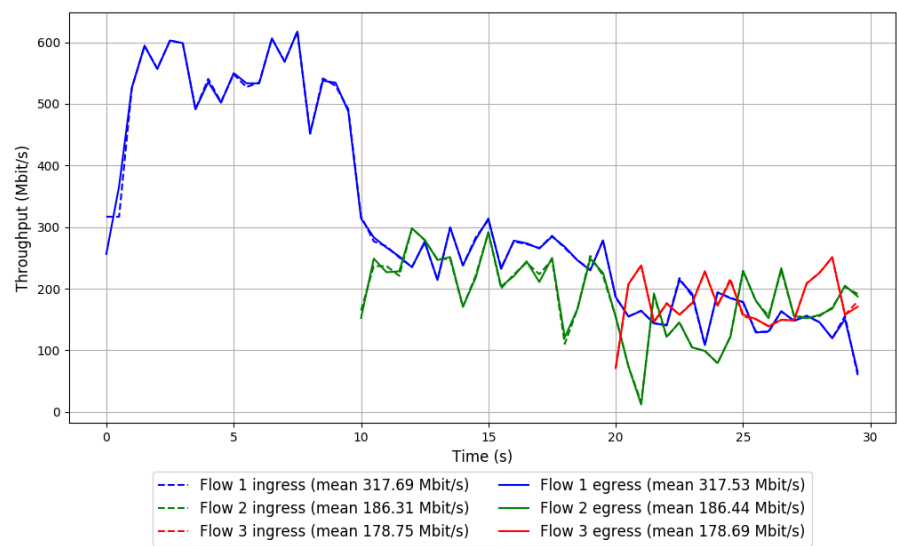


Run 3: Statistics of Verus

Start at: 2018-01-16 23:56:28
End at: 2018-01-16 23:56:58
Local clock offset: -5.094 ms
Remote clock offset: -3.248 ms

Below is generated by plot.py at 2018-01-17 09:45:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 497.94 Mbit/s
95th percentile per-packet one-way delay: 9.793 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 317.53 Mbit/s
95th percentile per-packet one-way delay: 9.438 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 186.44 Mbit/s
95th percentile per-packet one-way delay: 10.979 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 178.69 Mbit/s
95th percentile per-packet one-way delay: 6.668 ms
Loss rate: 0.23%

Run 3: Report of Verus — Data Link

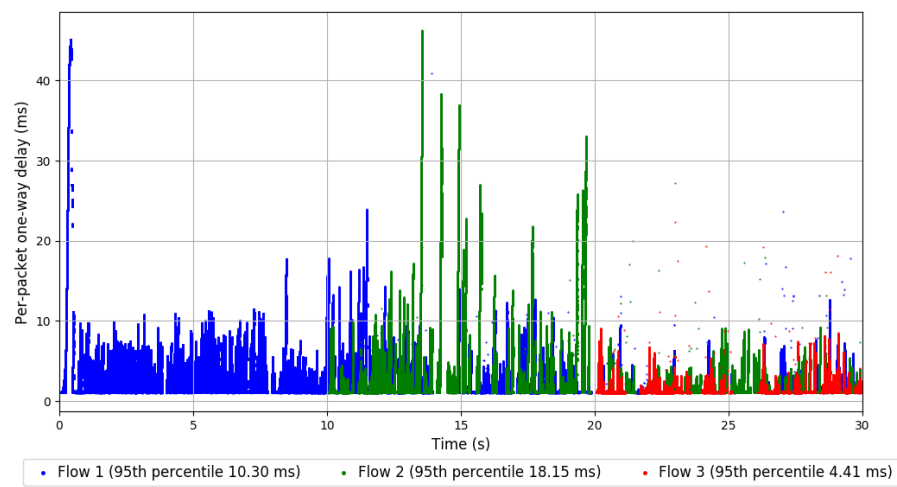
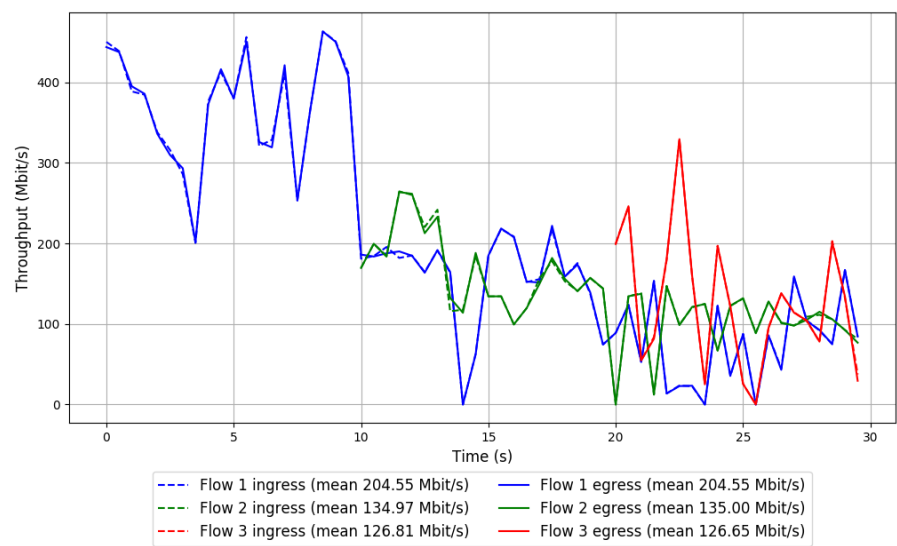


Run 4: Statistics of Verus

Start at: 2018-01-17 00:23:57
End at: 2018-01-17 00:24:27
Local clock offset: -5.215 ms
Remote clock offset: -2.638 ms

Below is generated by plot.py at 2018-01-17 09:45:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.79 Mbit/s
95th percentile per-packet one-way delay: 10.864 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 204.55 Mbit/s
95th percentile per-packet one-way delay: 10.303 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 135.00 Mbit/s
95th percentile per-packet one-way delay: 18.153 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 126.65 Mbit/s
95th percentile per-packet one-way delay: 4.408 ms
Loss rate: 0.31%

Run 4: Report of Verus — Data Link

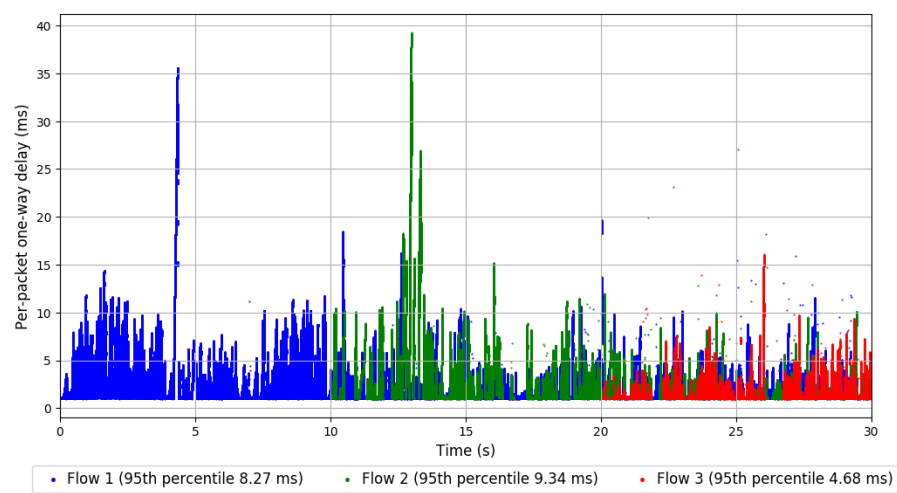
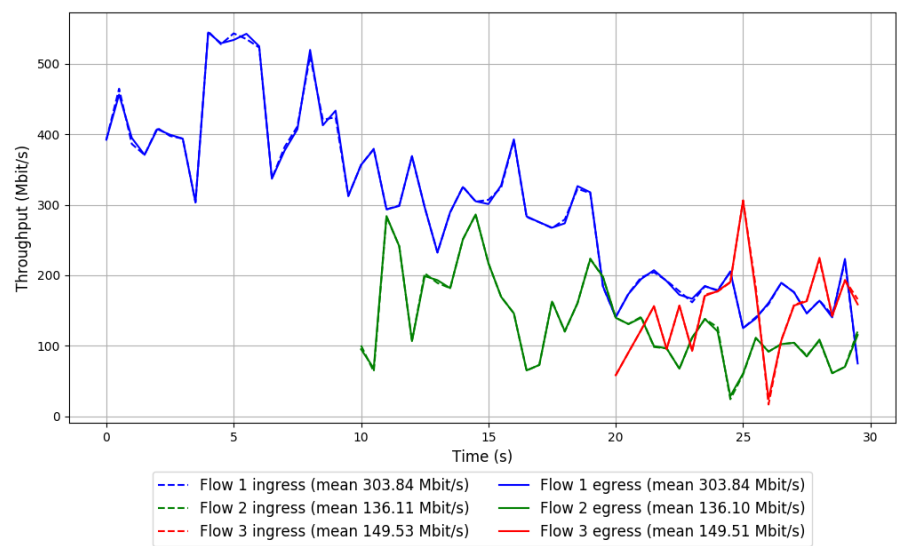


Run 5: Statistics of Verus

Start at: 2018-01-17 00:51:29
End at: 2018-01-17 00:51:59
Local clock offset: -5.267 ms
Remote clock offset: -1.934 ms

Below is generated by plot.py at 2018-01-17 09:47:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 441.39 Mbit/s
95th percentile per-packet one-way delay: 8.171 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 303.84 Mbit/s
95th percentile per-packet one-way delay: 8.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 136.10 Mbit/s
95th percentile per-packet one-way delay: 9.337 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 149.51 Mbit/s
95th percentile per-packet one-way delay: 4.684 ms
Loss rate: 0.27%

Run 5: Report of Verus — Data Link

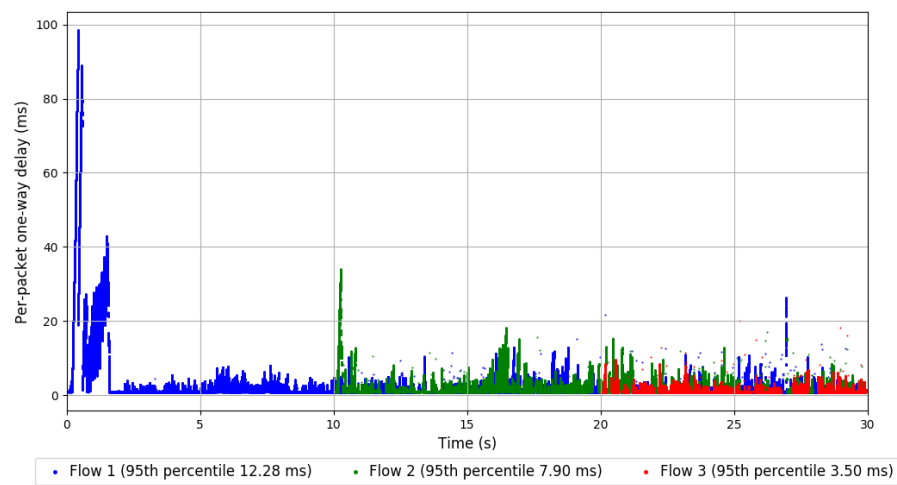
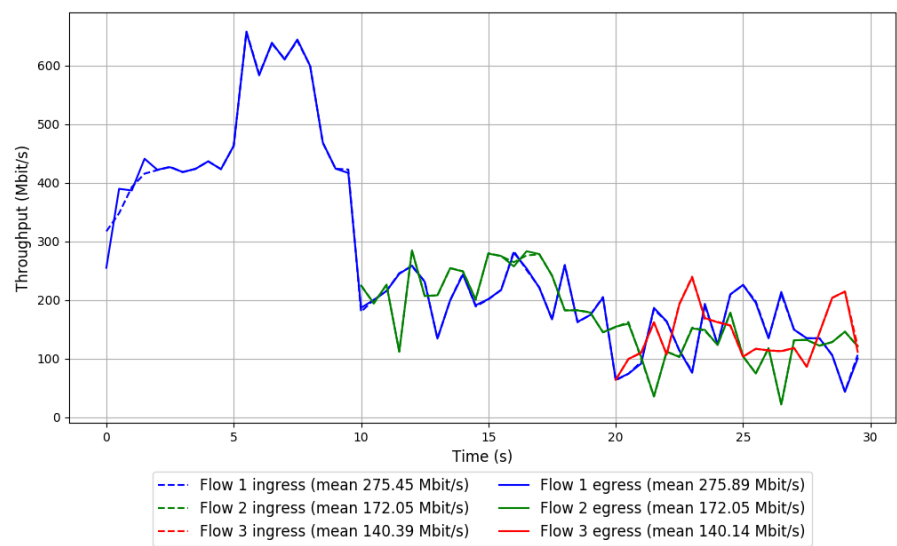


Run 6: Statistics of Verus

Start at: 2018-01-17 01:19:05
End at: 2018-01-17 01:19:35
Local clock offset: -5.311 ms
Remote clock offset: -1.644 ms

Below is generated by plot.py at 2018-01-17 09:49:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.78 Mbit/s
95th percentile per-packet one-way delay: 8.449 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 275.89 Mbit/s
95th percentile per-packet one-way delay: 12.281 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 172.05 Mbit/s
95th percentile per-packet one-way delay: 7.896 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 140.14 Mbit/s
95th percentile per-packet one-way delay: 3.501 ms
Loss rate: 0.35%

Run 6: Report of Verus — Data Link

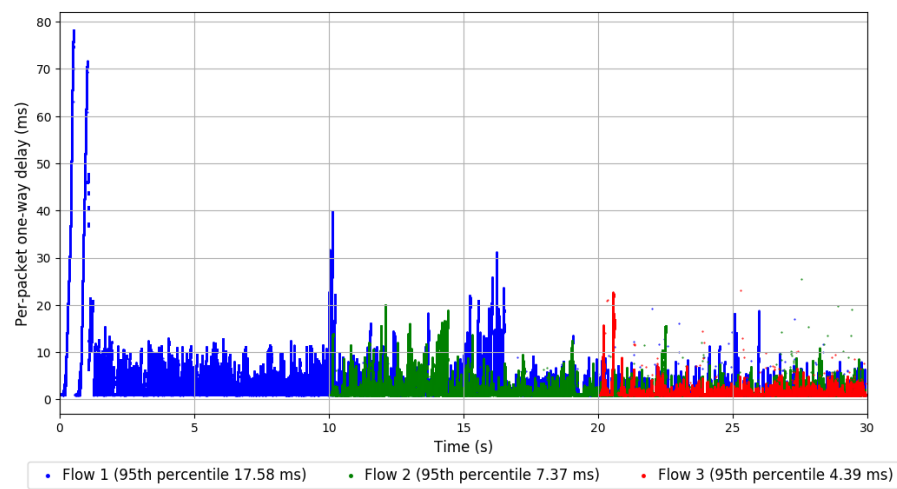
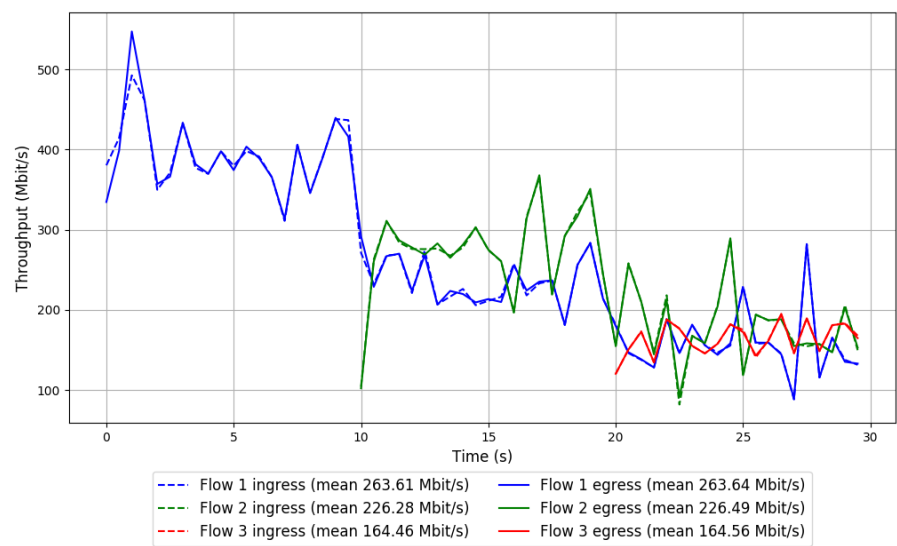


Run 7: Statistics of Verus

Start at: 2018-01-17 01:46:12
End at: 2018-01-17 01:46:42
Local clock offset: -4.846 ms
Remote clock offset: -1.586 ms

Below is generated by plot.py at 2018-01-17 09:49:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 468.85 Mbit/s
95th percentile per-packet one-way delay: 12.039 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 263.64 Mbit/s
95th percentile per-packet one-way delay: 17.584 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 226.49 Mbit/s
95th percentile per-packet one-way delay: 7.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 164.56 Mbit/s
95th percentile per-packet one-way delay: 4.388 ms
Loss rate: 0.13%

Run 7: Report of Verus — Data Link

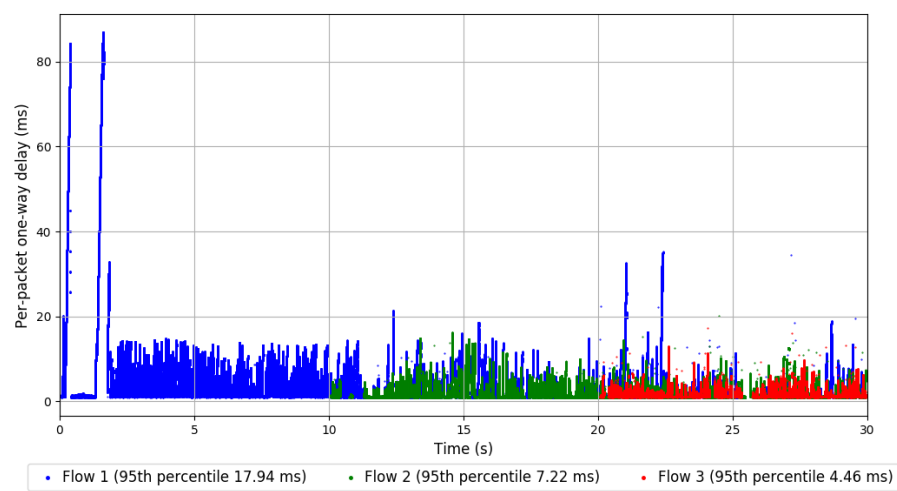
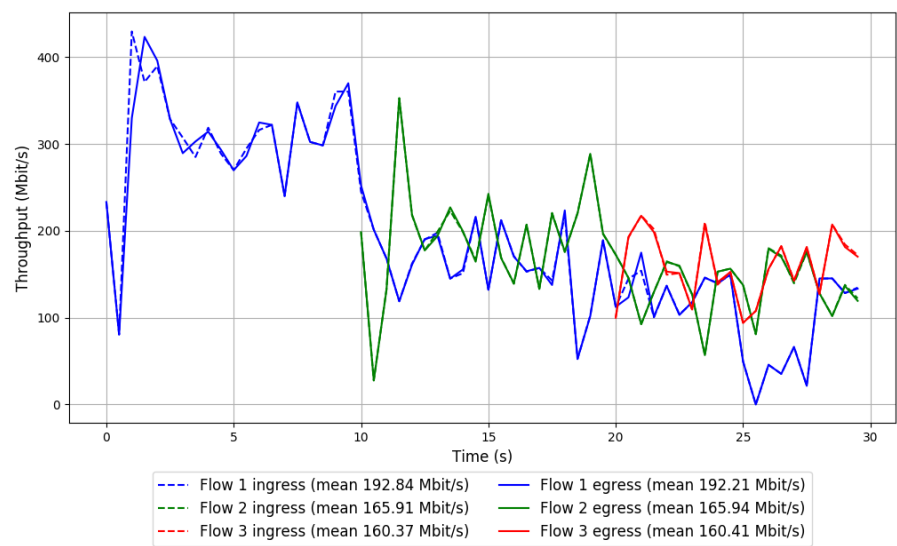


Run 8: Statistics of Verus

Start at: 2018-01-17 02:13:39
End at: 2018-01-17 02:14:09
Local clock offset: -3.195 ms
Remote clock offset: -1.921 ms

Below is generated by plot.py at 2018-01-17 09:49:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.62 Mbit/s
95th percentile per-packet one-way delay: 12.804 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 192.21 Mbit/s
95th percentile per-packet one-way delay: 17.939 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 165.94 Mbit/s
95th percentile per-packet one-way delay: 7.224 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 160.41 Mbit/s
95th percentile per-packet one-way delay: 4.461 ms
Loss rate: 0.15%

Run 8: Report of Verus — Data Link

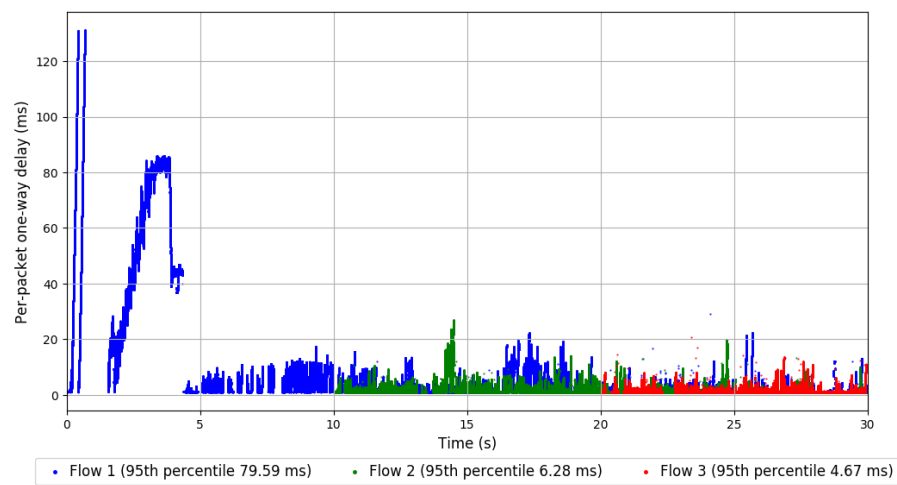
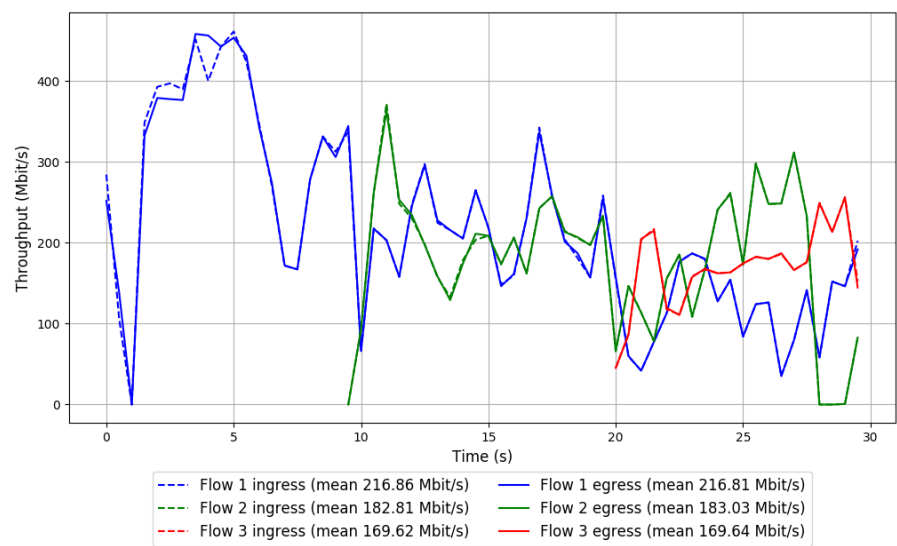


Run 9: Statistics of Verus

Start at: 2018-01-17 02:41:04
End at: 2018-01-17 02:41:34
Local clock offset: -2.548 ms
Remote clock offset: -2.054 ms

Below is generated by plot.py at 2018-01-17 09:49:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.83 Mbit/s
95th percentile per-packet one-way delay: 52.781 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 216.81 Mbit/s
95th percentile per-packet one-way delay: 79.595 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 183.03 Mbit/s
95th percentile per-packet one-way delay: 6.280 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.64 Mbit/s
95th percentile per-packet one-way delay: 4.670 ms
Loss rate: 0.25%

Run 9: Report of Verus — Data Link

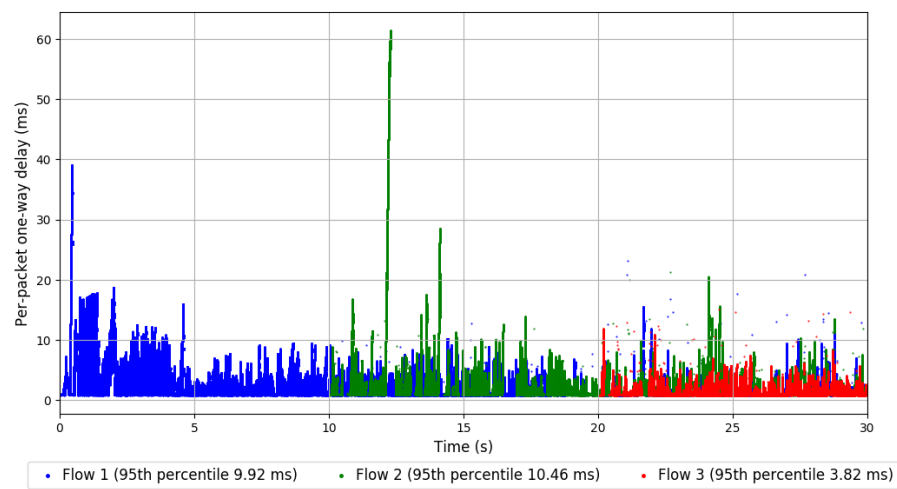
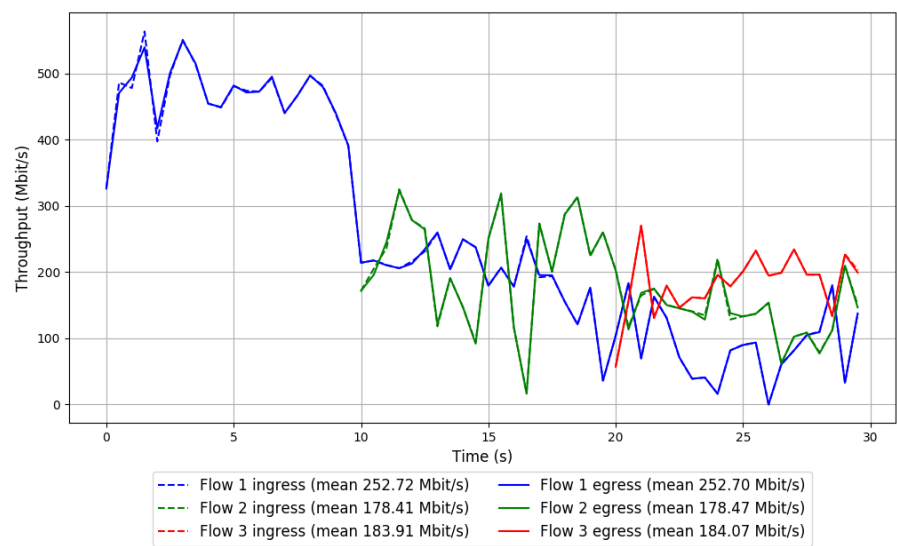


Run 10: Statistics of Verus

Start at: 2018-01-17 03:08:34
End at: 2018-01-17 03:09:04
Local clock offset: -1.06 ms
Remote clock offset: -2.135 ms

Below is generated by plot.py at 2018-01-17 09:51:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 431.39 Mbit/s
95th percentile per-packet one-way delay: 9.354 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 252.70 Mbit/s
95th percentile per-packet one-way delay: 9.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.47 Mbit/s
95th percentile per-packet one-way delay: 10.455 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 184.07 Mbit/s
95th percentile per-packet one-way delay: 3.822 ms
Loss rate: 0.12%

Run 10: Report of Verus — Data Link

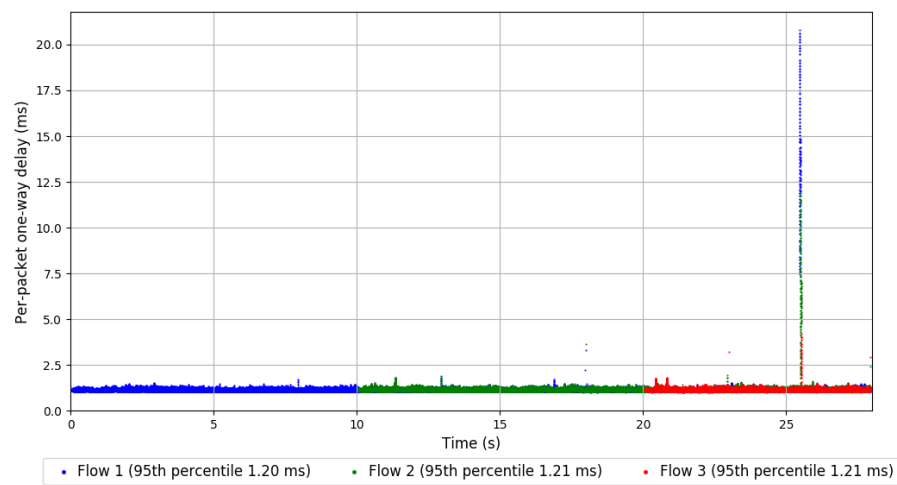
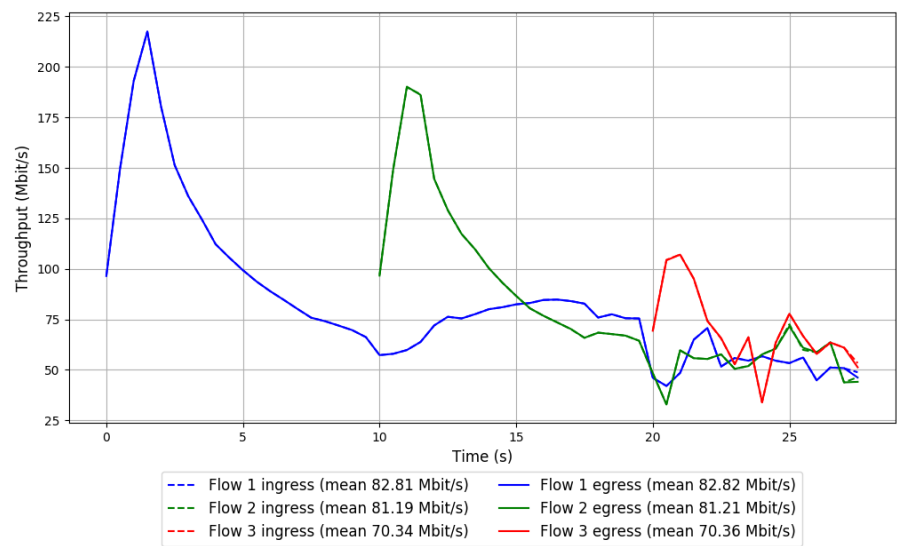


Run 1: Statistics of Copa

Start at: 2018-01-16 22:57:26
End at: 2018-01-16 22:57:56
Local clock offset: -5.04 ms
Remote clock offset: -4.323 ms

Below is generated by plot.py at 2018-01-17 09:51:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.79 Mbit/s
95th percentile per-packet one-way delay: 1.200 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 1.195 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 81.21 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 70.36 Mbit/s
95th percentile per-packet one-way delay: 1.206 ms
Loss rate: 0.20%

Run 1: Report of Copa — Data Link

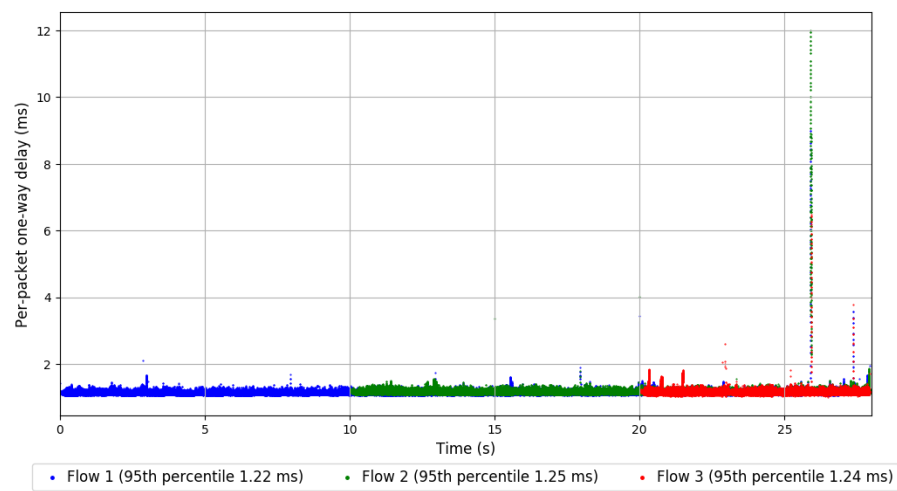
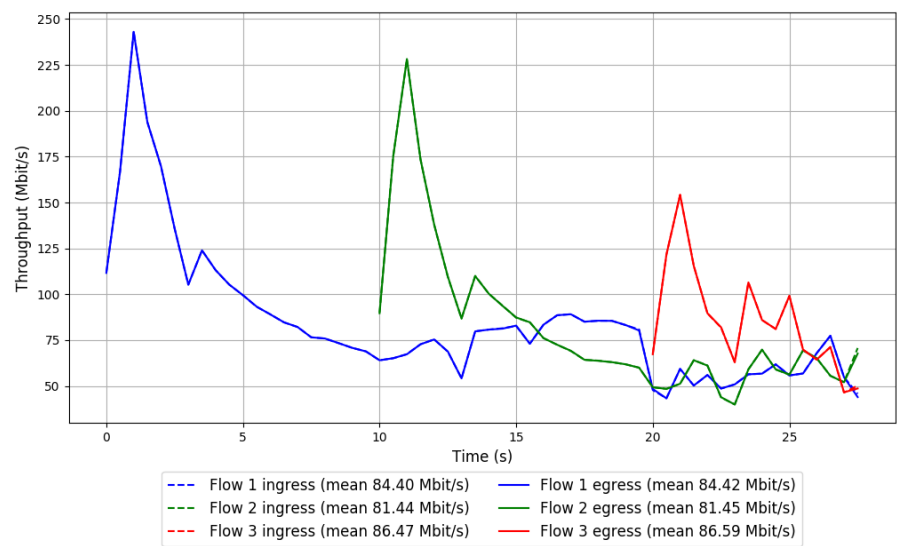


Run 2: Statistics of Copa

Start at: 2018-01-16 23:24:31
End at: 2018-01-16 23:25:01
Local clock offset: -5.068 ms
Remote clock offset: -3.679 ms

Below is generated by plot.py at 2018-01-17 09:51:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 161.12 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.42 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 86.59 Mbit/s
95th percentile per-packet one-way delay: 1.238 ms
Loss rate: 0.12%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

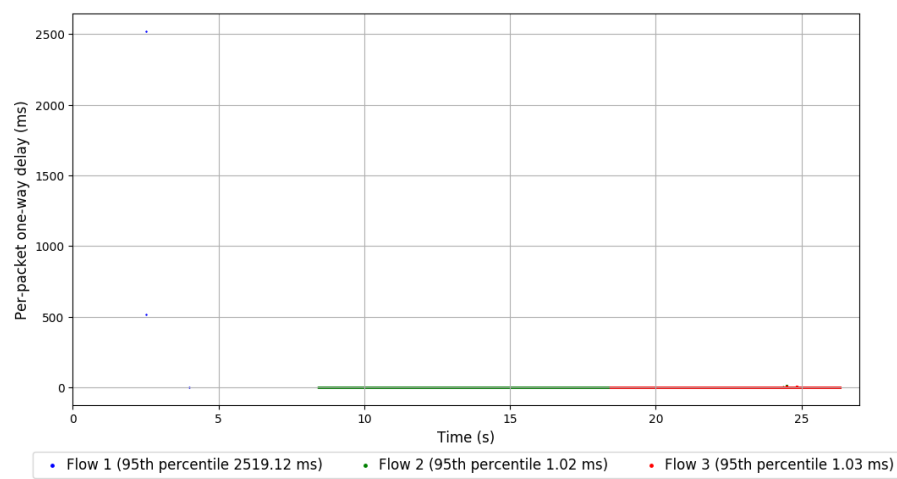
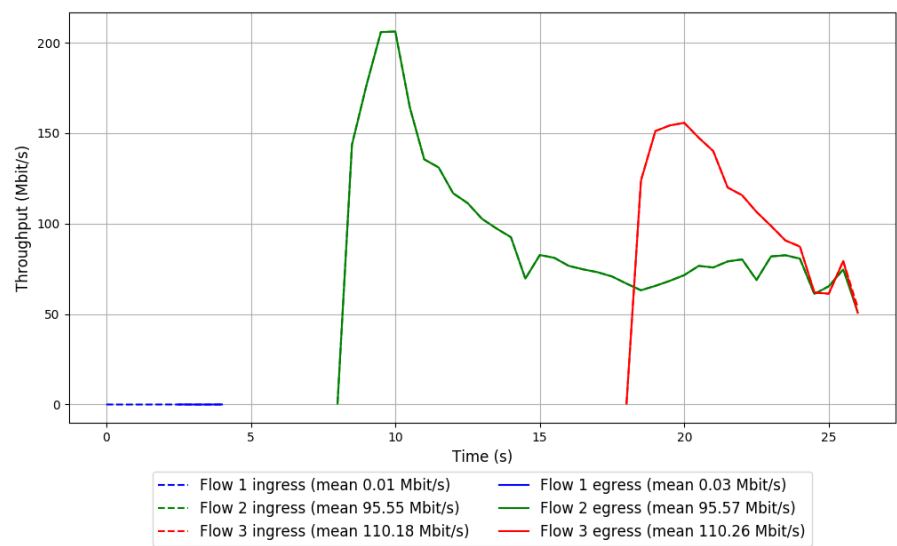
Start at: 2018-01-16 23:51:42

End at: 2018-01-16 23:52:12

Local clock offset: -5.17 ms

Remote clock offset: -3.168 ms

Run 3: Report of Copa — Data Link

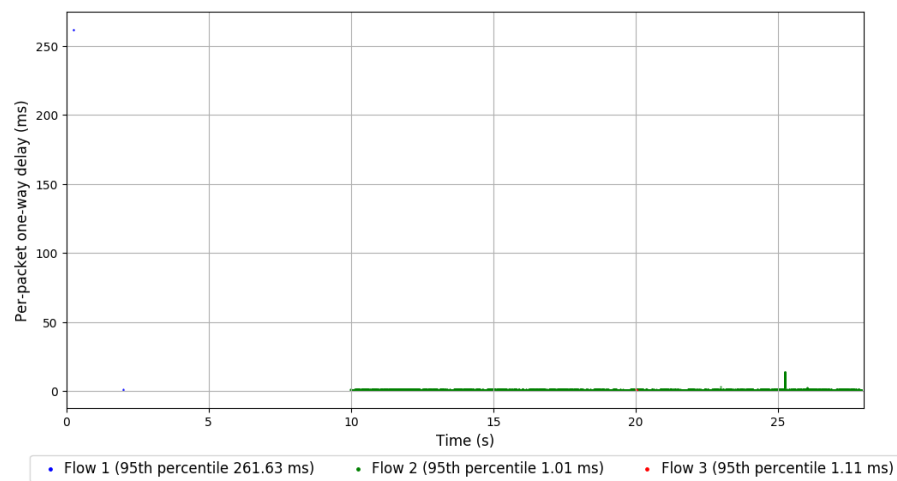
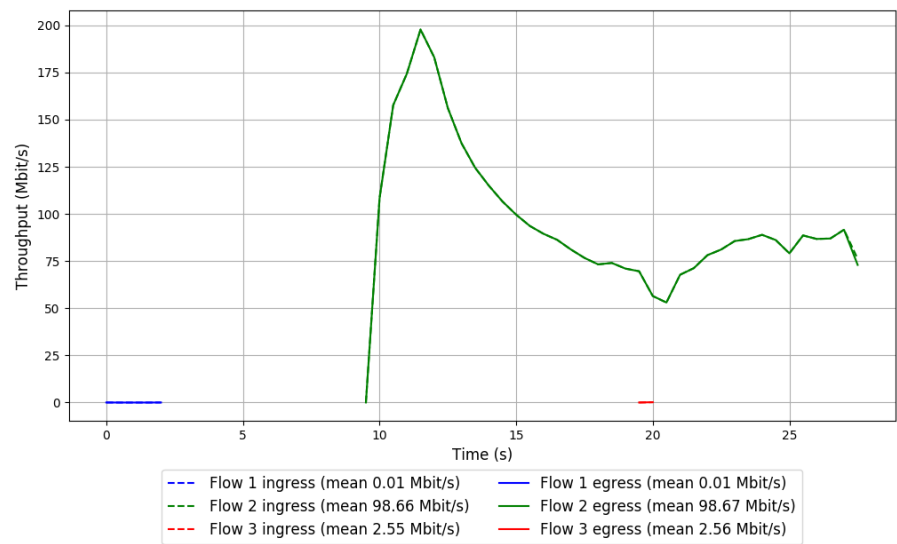


Run 4: Statistics of Copa

Start at: 2018-01-17 00:19:13
End at: 2018-01-17 00:19:43
Local clock offset: -5.257 ms
Remote clock offset: -2.698 ms

Below is generated by plot.py at 2018-01-17 09:51:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.96 Mbit/s
95th percentile per-packet one-way delay: 1.011 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 261.632 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 98.67 Mbit/s
95th percentile per-packet one-way delay: 1.011 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 1.109 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

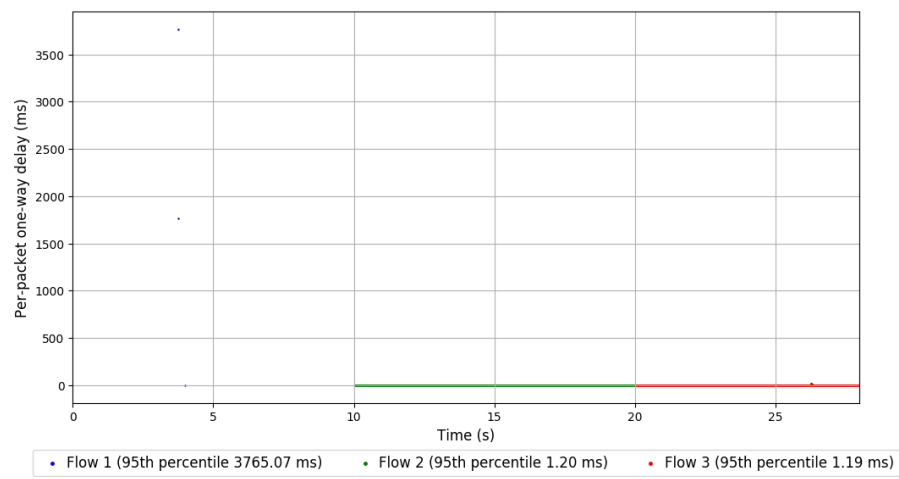
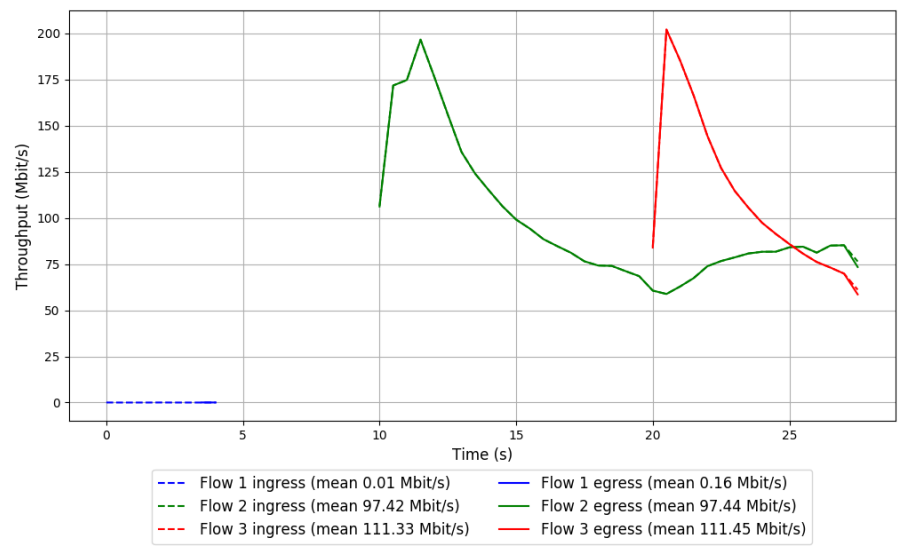


Run 5: Statistics of Copa

Start at: 2018-01-17 00:46:42
End at: 2018-01-17 00:47:12
Local clock offset: -5.287 ms
Remote clock offset: -2.081 ms

Below is generated by plot.py at 2018-01-17 09:51:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 108.74 Mbit/s
95th percentile per-packet one-way delay: 1.194 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 3765.065 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 1.197 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 111.45 Mbit/s
95th percentile per-packet one-way delay: 1.186 ms
Loss rate: 0.15%

Run 5: Report of Copa — Data Link

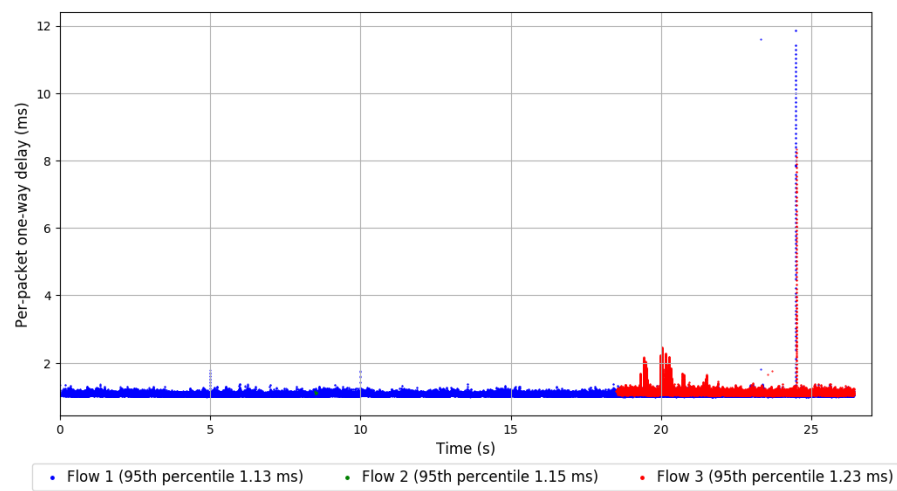
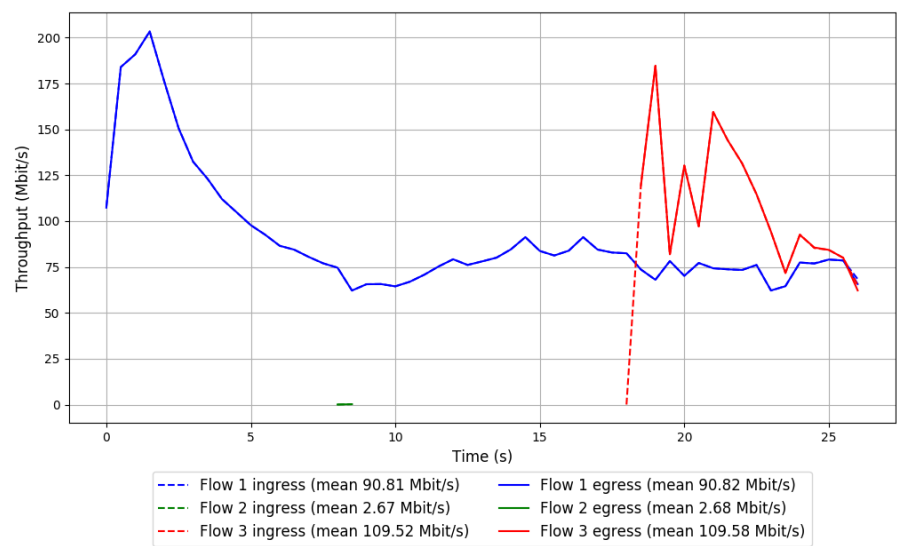


Run 6: Statistics of Copa

Start at: 2018-01-17 01:14:20
End at: 2018-01-17 01:14:50
Local clock offset: -5.246 ms
Remote clock offset: -1.758 ms

```
# Below is generated by plot.py at 2018-01-17 09:52:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 123.65 Mbit/s
95th percentile per-packet one-way delay: 1.165 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 1.129 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 1.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.58 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.17%
```

Run 6: Report of Copa — Data Link

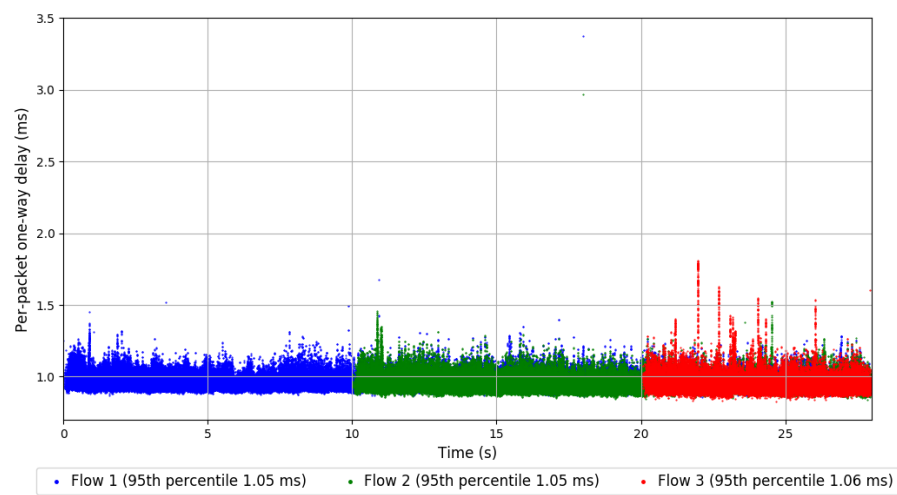
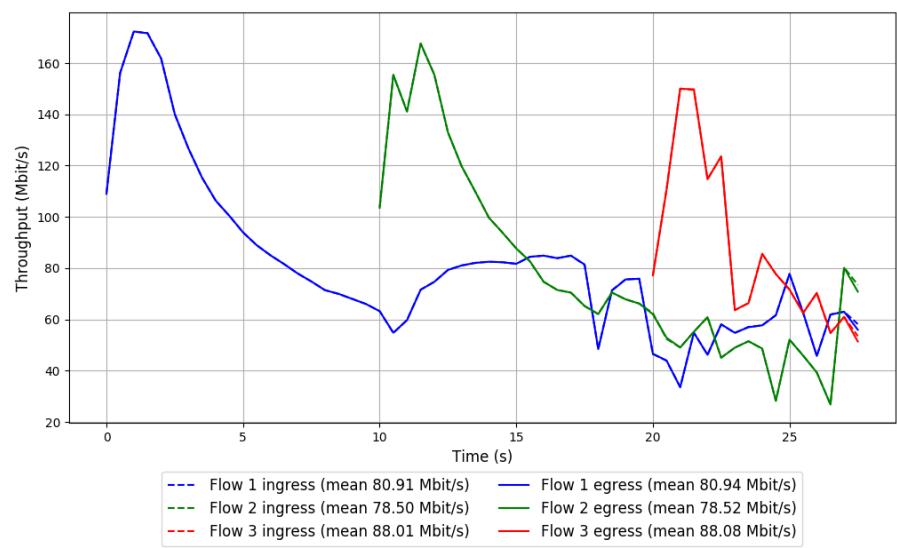


Run 7: Statistics of Copa

Start at: 2018-01-17 01:41:23
End at: 2018-01-17 01:41:53
Local clock offset: -5.032 ms
Remote clock offset: -1.678 ms

Below is generated by plot.py at 2018-01-17 09:53:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.22 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 1.052 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 78.52 Mbit/s
95th percentile per-packet one-way delay: 1.047 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.16%

Run 7: Report of Copa — Data Link

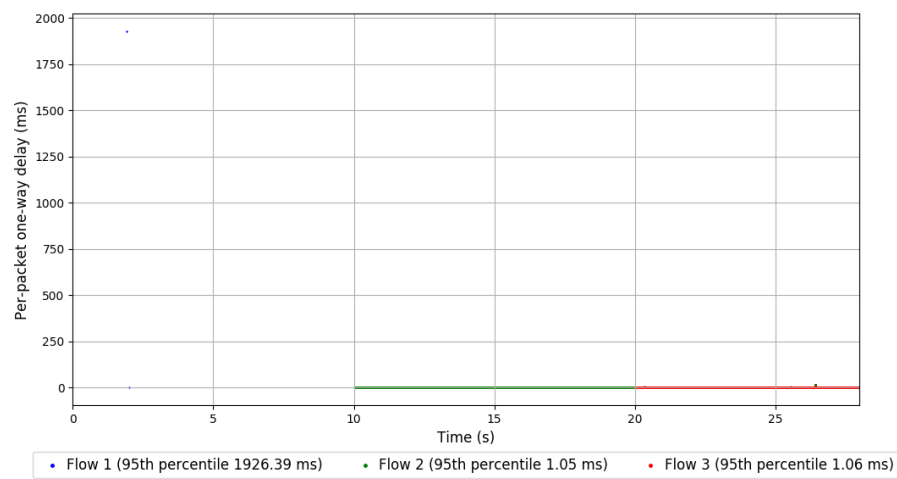
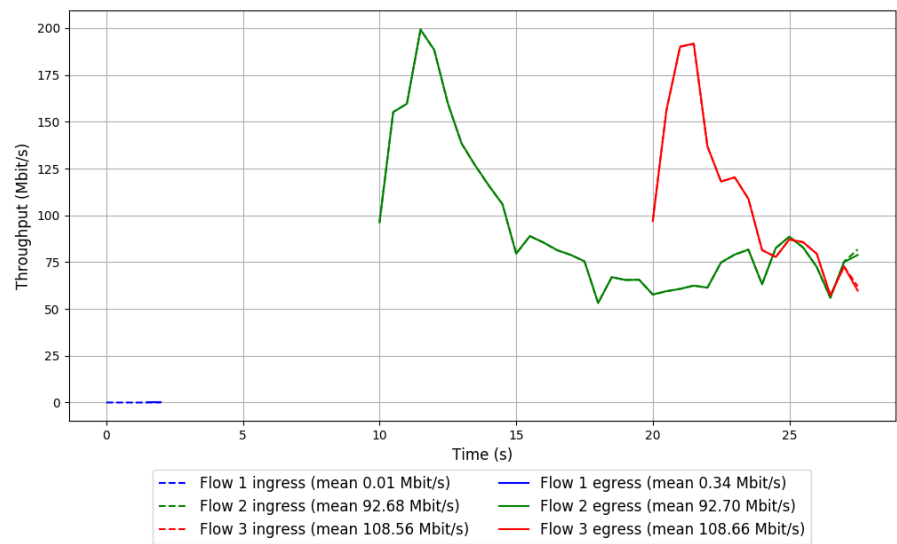


Run 8: Statistics of Copa

Start at: 2018-01-17 02:08:54
End at: 2018-01-17 02:09:24
Local clock offset: -3.633 ms
Remote clock offset: -1.914 ms

```
# Below is generated by plot.py at 2018-01-17 09:53:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.96 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 1926.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 108.66 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.14%
```

Run 8: Report of Copa — Data Link

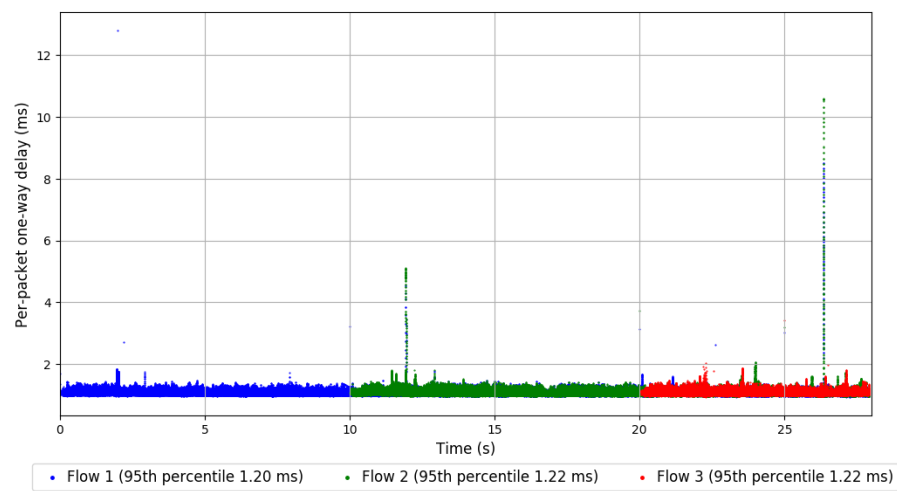
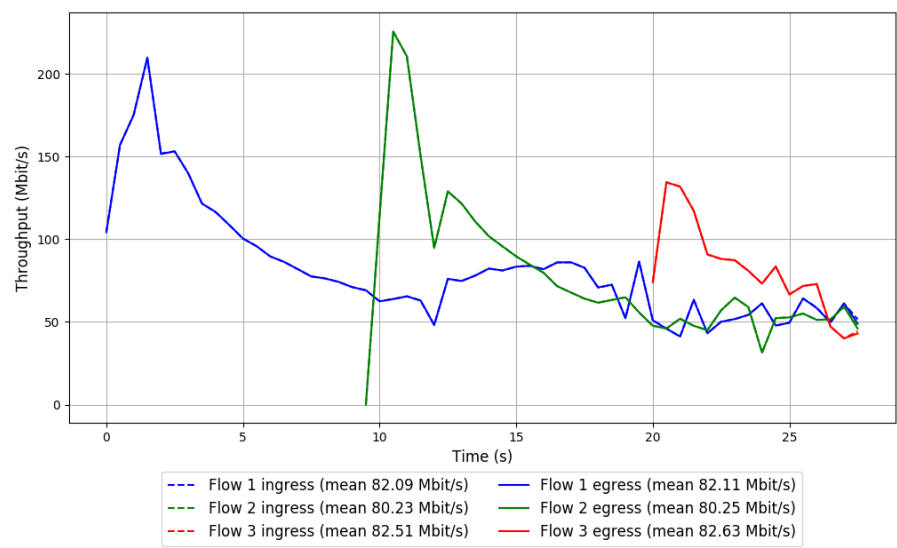


Run 9: Statistics of Copa

Start at: 2018-01-17 02:36:15
End at: 2018-01-17 02:36:45
Local clock offset: -2.651 ms
Remote clock offset: -2.062 ms

```
# Below is generated by plot.py at 2018-01-17 09:53:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 156.97 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 80.25 Mbit/s
95th percentile per-packet one-way delay: 1.222 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 82.63 Mbit/s
95th percentile per-packet one-way delay: 1.220 ms
Loss rate: 0.11%
```

Run 9: Report of Copa — Data Link

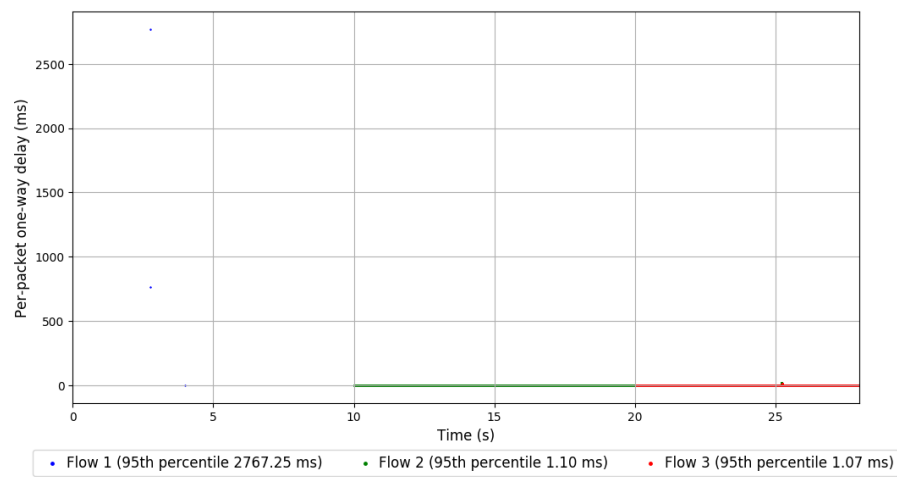
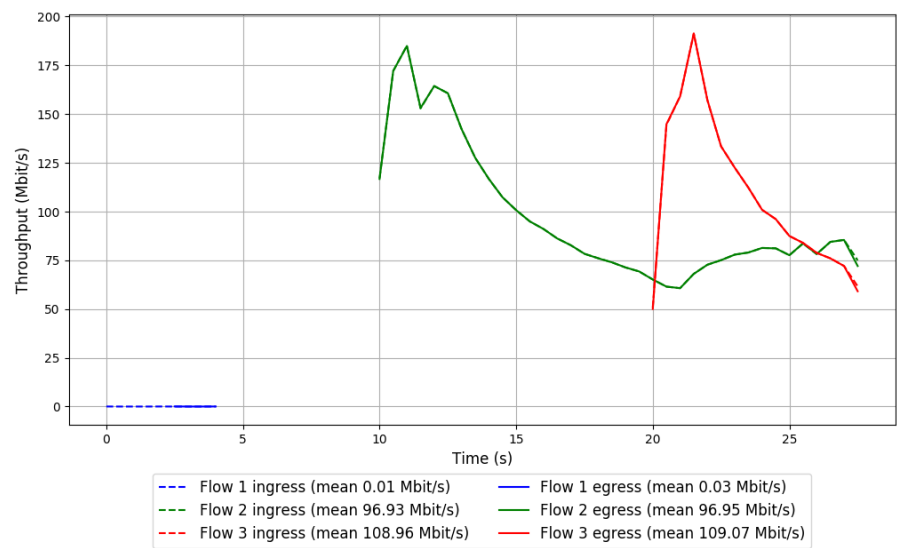


Run 10: Statistics of Copa

Start at: 2018-01-17 03:03:52
End at: 2018-01-17 03:04:22
Local clock offset: -1.088 ms
Remote clock offset: -2.121 ms

Below is generated by plot.py at 2018-01-17 09:53:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.34 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 2767.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 1.096 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 109.07 Mbit/s
95th percentile per-packet one-way delay: 1.068 ms
Loss rate: 0.16%

Run 10: Report of Copa — Data Link

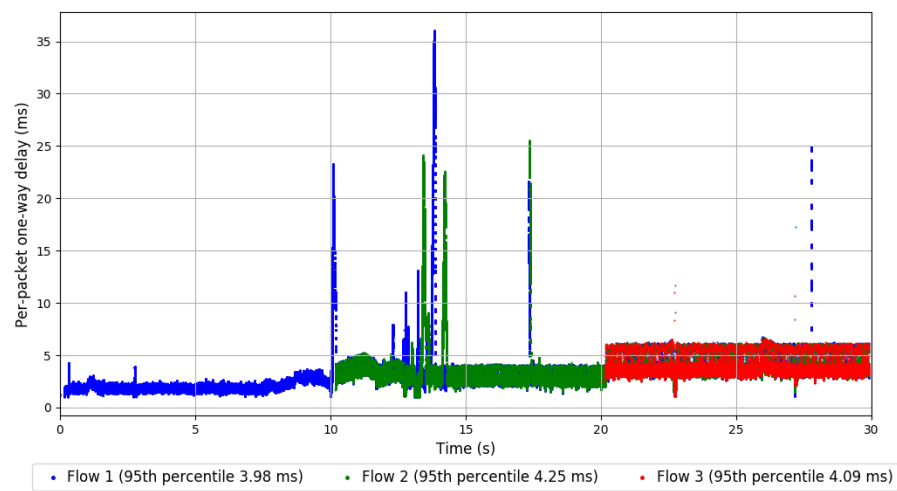
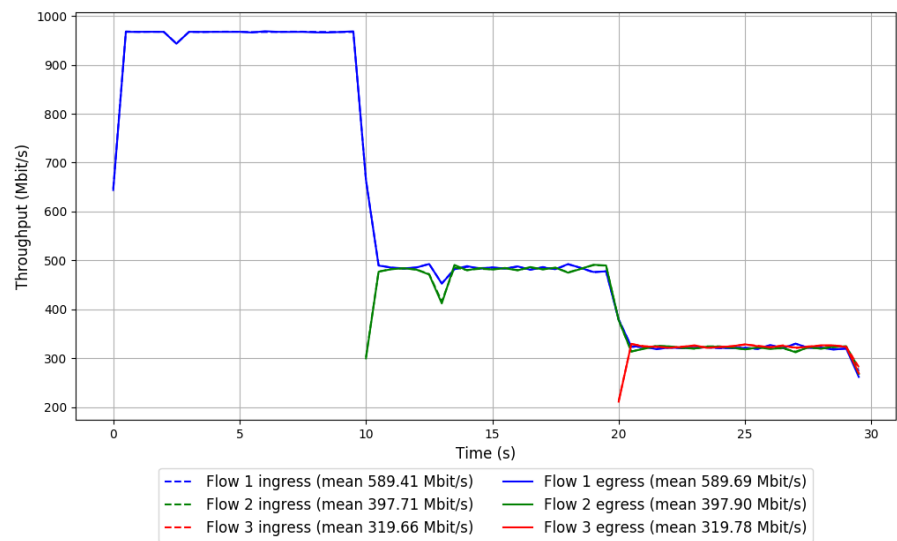


Run 1: Statistics of FillP

Start at: 2018-01-16 22:55:43
End at: 2018-01-16 22:56:13
Local clock offset: -5.024 ms
Remote clock offset: -4.254 ms

Below is generated by plot.py at 2018-01-17 10:03:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.74 Mbit/s
95th percentile per-packet one-way delay: 4.070 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.69 Mbit/s
95th percentile per-packet one-way delay: 3.976 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 397.90 Mbit/s
95th percentile per-packet one-way delay: 4.253 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 319.78 Mbit/s
95th percentile per-packet one-way delay: 4.092 ms
Loss rate: 0.24%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-01-16 23:22:48

End at: 2018-01-16 23:23:18

Local clock offset: -5.071 ms

Remote clock offset: -3.74 ms

Below is generated by plot.py at 2018-01-17 10:05:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 961.75 Mbit/s

95th percentile per-packet one-way delay: 4.001 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 589.94 Mbit/s

95th percentile per-packet one-way delay: 3.920 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 401.19 Mbit/s

95th percentile per-packet one-way delay: 4.040 ms

Loss rate: 0.09%

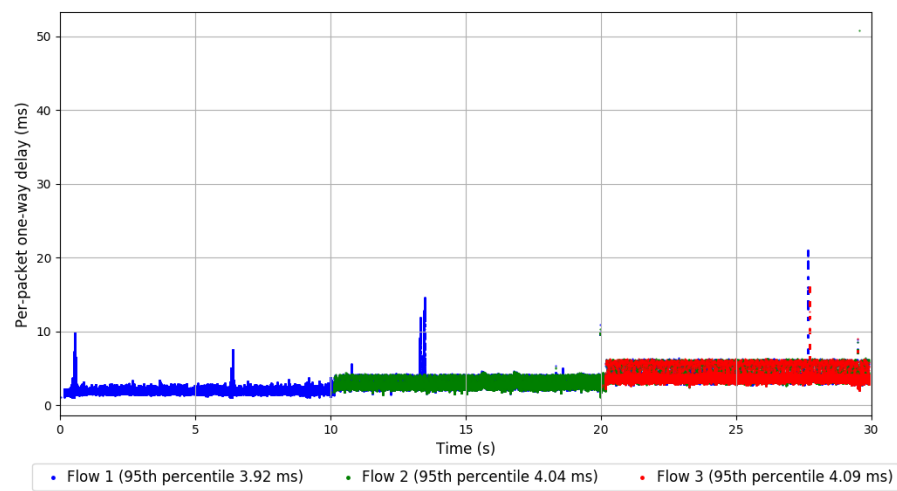
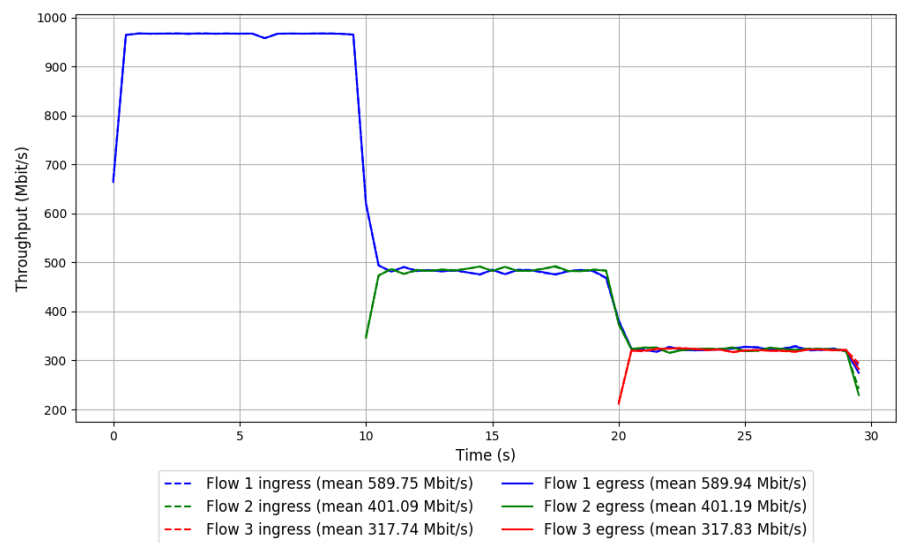
-- Flow 3:

Average throughput: 317.83 Mbit/s

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

Loss rate: 0.21%

Run 2: Report of FillP — Data Link

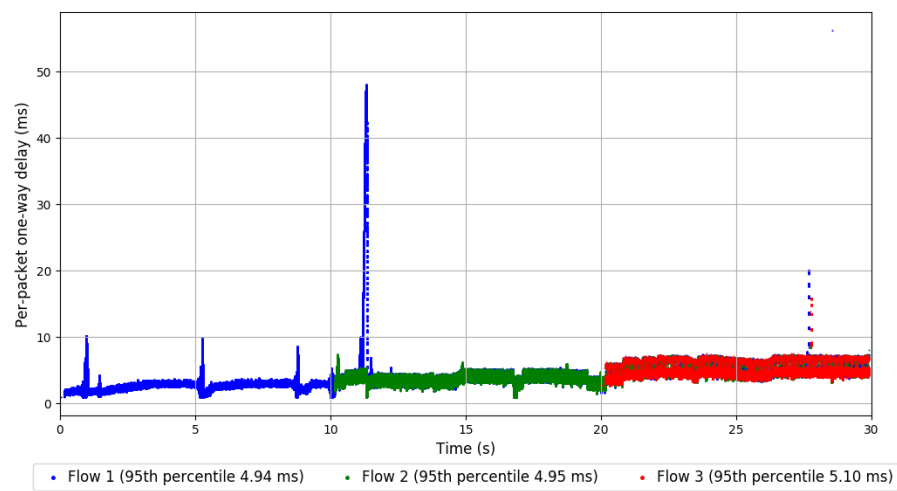
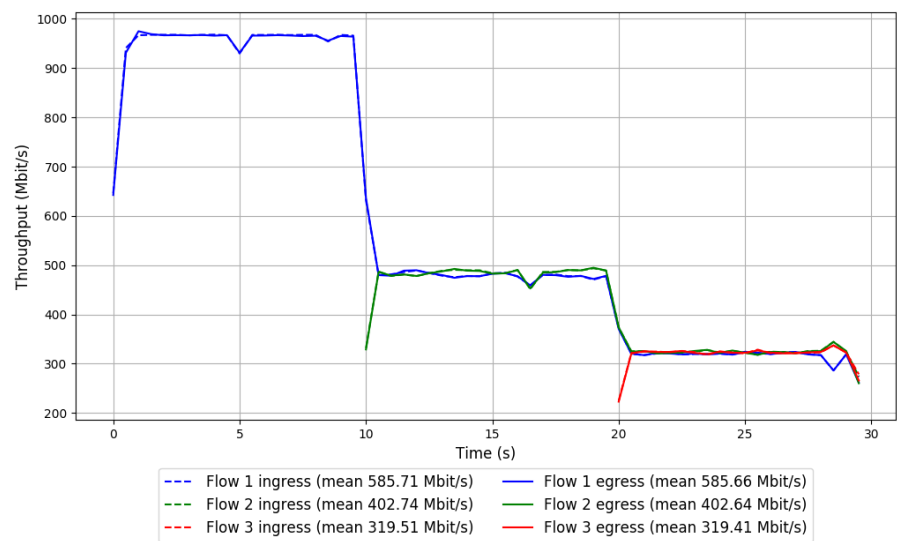


Run 3: Statistics of FillP

Start at: 2018-01-16 23:50:00
End at: 2018-01-16 23:50:30
Local clock offset: -5.17 ms
Remote clock offset: -3.276 ms

Below is generated by plot.py at 2018-01-17 10:05:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.06 Mbit/s
95th percentile per-packet one-way delay: 4.984 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 585.66 Mbit/s
95th percentile per-packet one-way delay: 4.943 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 402.64 Mbit/s
95th percentile per-packet one-way delay: 4.951 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 319.41 Mbit/s
95th percentile per-packet one-way delay: 5.104 ms
Loss rate: 0.25%

Run 3: Report of FillP — Data Link

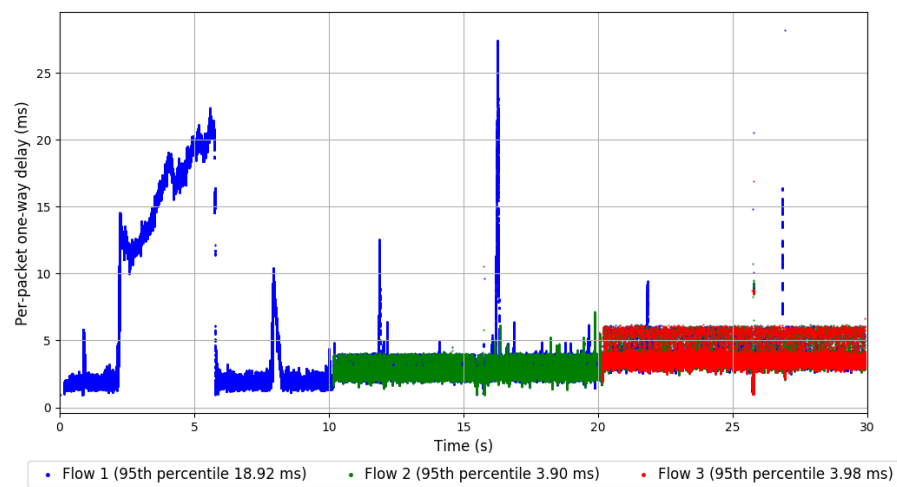
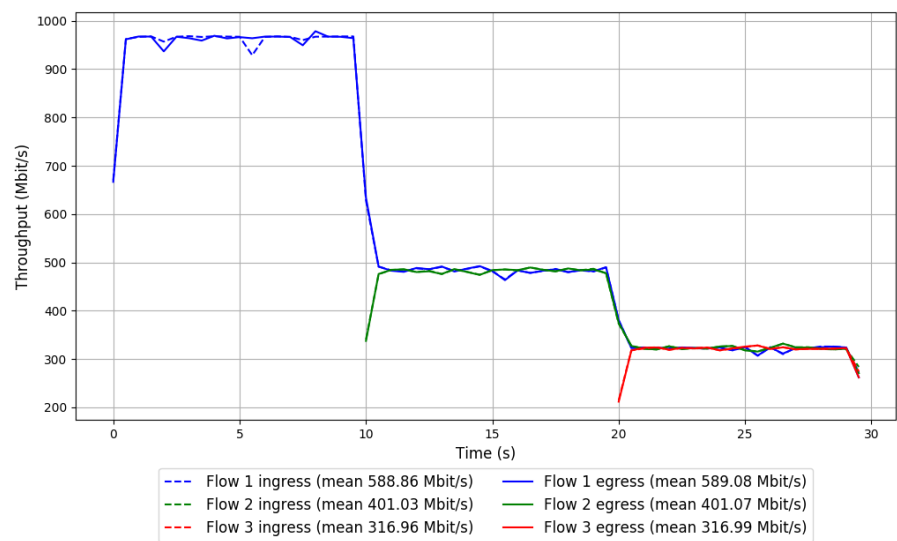


Run 4: Statistics of FillP

Start at: 2018-01-17 00:17:30
End at: 2018-01-17 00:18:00
Local clock offset: -5.236 ms
Remote clock offset: -2.832 ms

Below is generated by plot.py at 2018-01-17 10:06:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.73 Mbit/s
95th percentile per-packet one-way delay: 17.380 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 589.08 Mbit/s
95th percentile per-packet one-way delay: 18.922 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.07 Mbit/s
95th percentile per-packet one-way delay: 3.905 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 316.99 Mbit/s
95th percentile per-packet one-way delay: 3.978 ms
Loss rate: 0.23%

Run 4: Report of FillP — Data Link

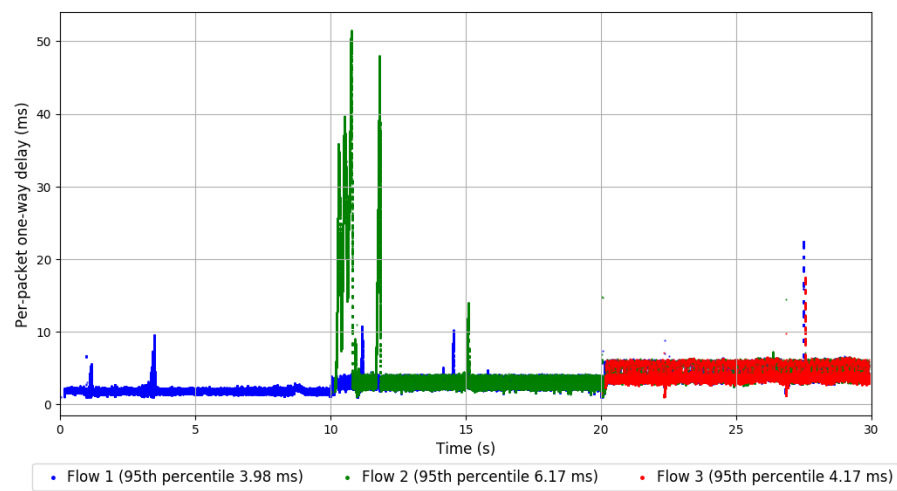
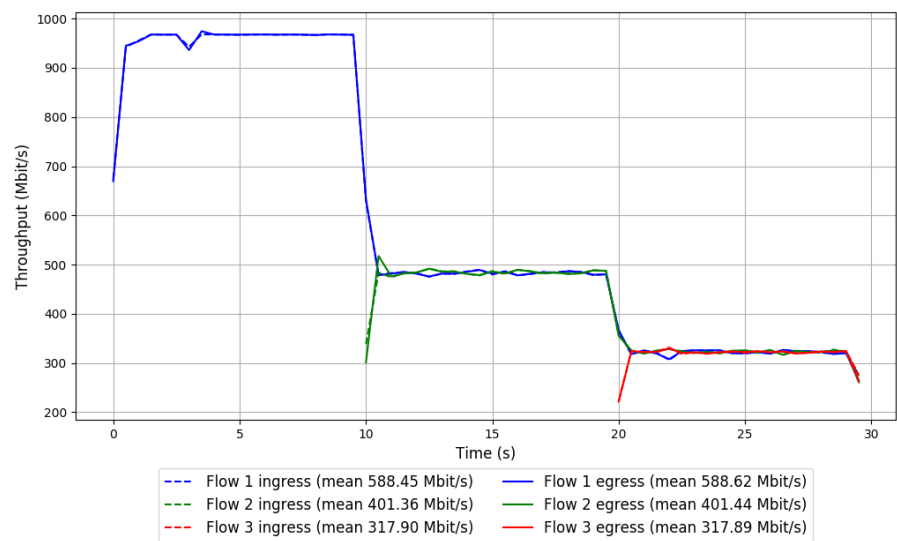


Run 5: Statistics of FillP

Start at: 2018-01-17 00:45:00
End at: 2018-01-17 00:45:30
Local clock offset: -5.269 ms
Remote clock offset: -2.085 ms

Below is generated by plot.py at 2018-01-17 10:06:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 960.74 Mbit/s
95th percentile per-packet one-way delay: 4.164 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 588.62 Mbit/s
95th percentile per-packet one-way delay: 3.980 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.44 Mbit/s
95th percentile per-packet one-way delay: 6.169 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.89 Mbit/s
95th percentile per-packet one-way delay: 4.172 ms
Loss rate: 0.23%

Run 5: Report of FillP — Data Link

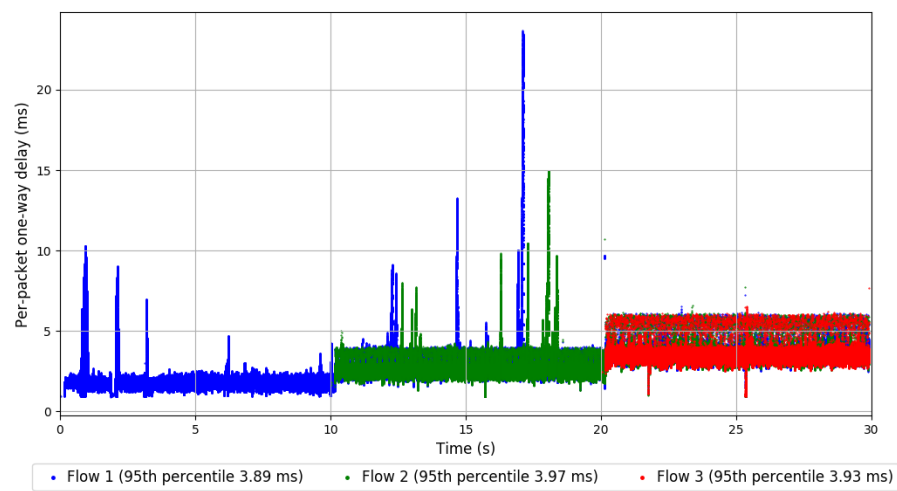
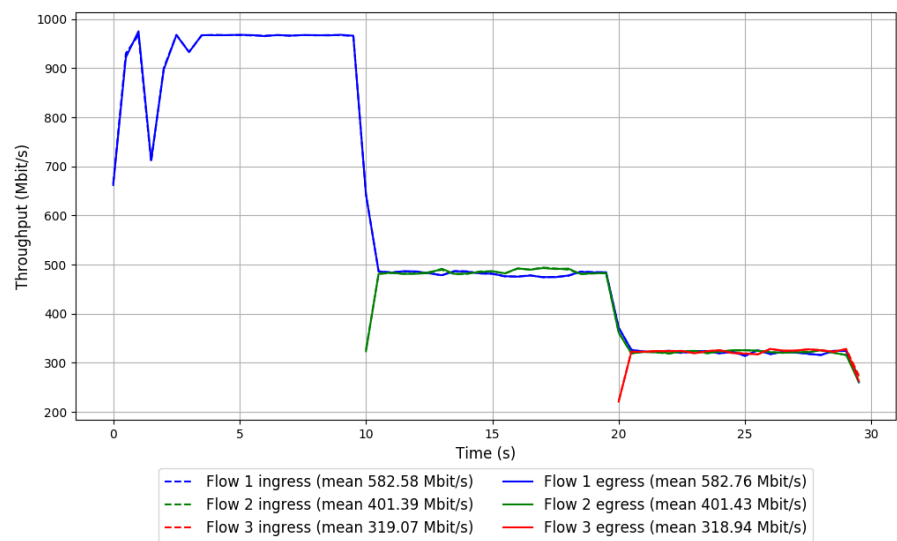


Run 6: Statistics of FillP

Start at: 2018-01-17 01:12:37
End at: 2018-01-17 01:13:07
Local clock offset: -5.338 ms
Remote clock offset: -1.732 ms

Below is generated by plot.py at 2018-01-17 10:06:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 954.98 Mbit/s
95th percentile per-packet one-way delay: 3.921 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 582.76 Mbit/s
95th percentile per-packet one-way delay: 3.888 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.43 Mbit/s
95th percentile per-packet one-way delay: 3.968 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 318.94 Mbit/s
95th percentile per-packet one-way delay: 3.927 ms
Loss rate: 0.22%

Run 6: Report of FillP — Data Link

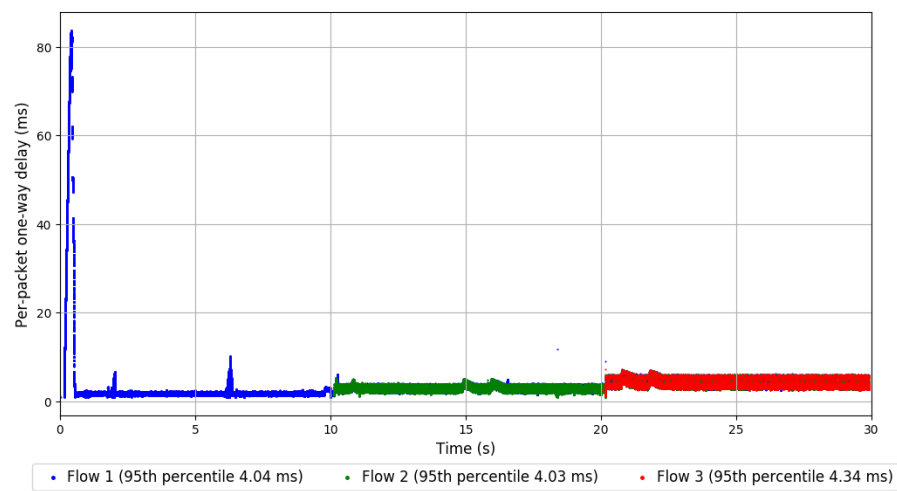
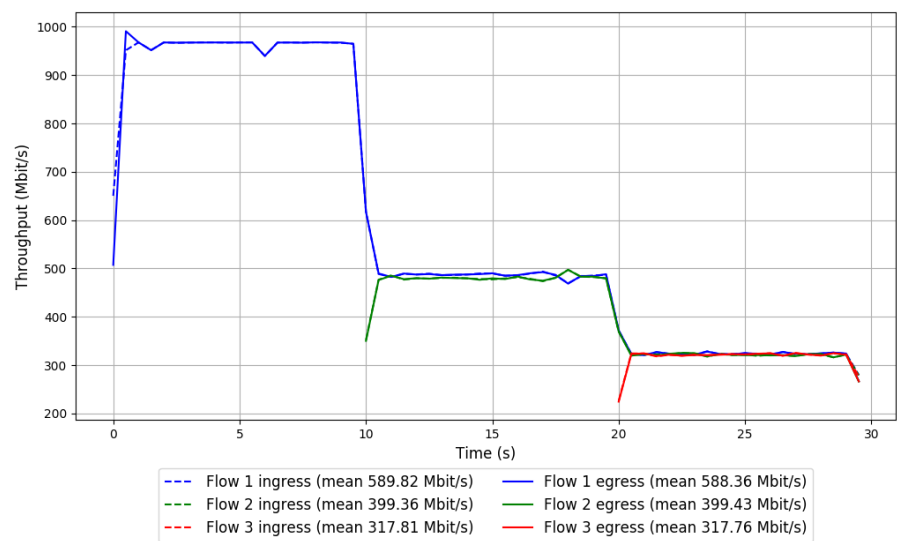


Run 7: Statistics of FillP

Start at: 2018-01-17 01:39:40
End at: 2018-01-17 01:40:10
Local clock offset: -4.988 ms
Remote clock offset: -1.62 ms

Below is generated by plot.py at 2018-01-17 10:07:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.26 Mbit/s
95th percentile per-packet one-way delay: 4.079 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 588.36 Mbit/s
95th percentile per-packet one-way delay: 4.037 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 399.43 Mbit/s
95th percentile per-packet one-way delay: 4.030 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.76 Mbit/s
95th percentile per-packet one-way delay: 4.338 ms
Loss rate: 0.22%

Run 7: Report of FillP — Data Link

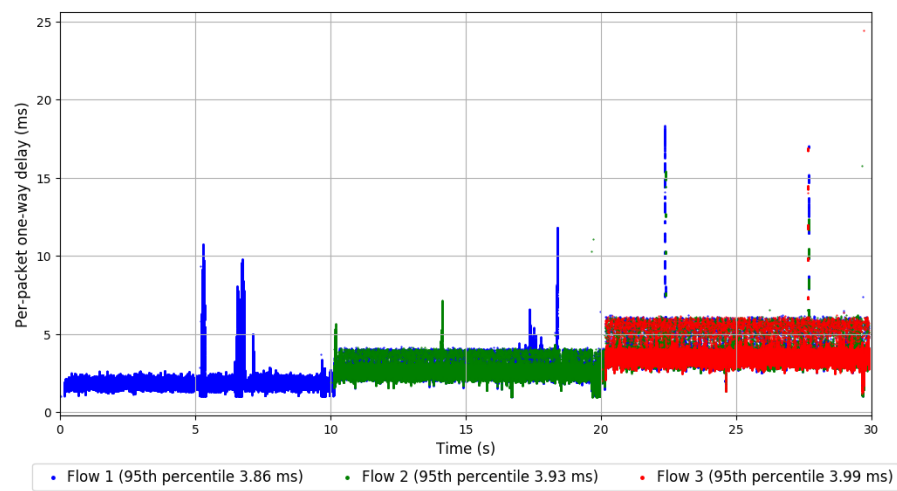
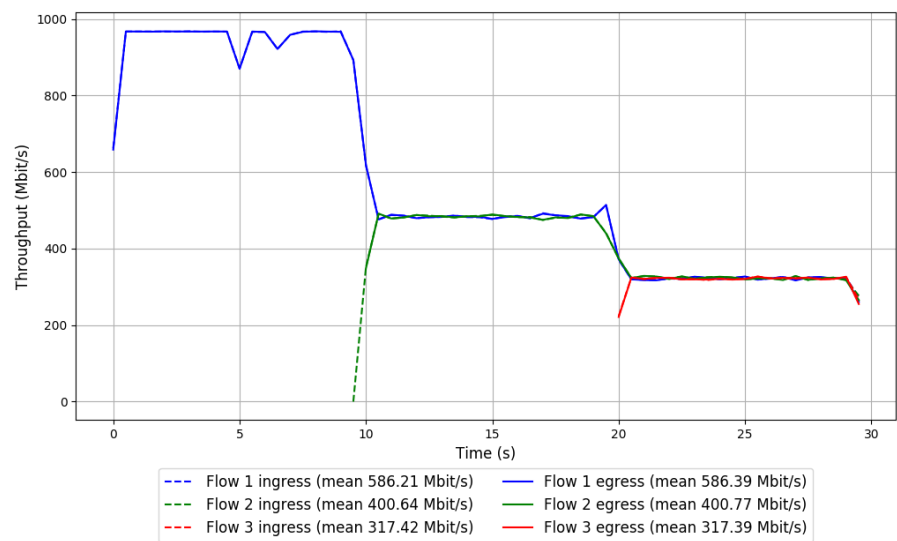


Run 8: Statistics of FillP

Start at: 2018-01-17 02:07:11
End at: 2018-01-17 02:07:41
Local clock offset: -3.781 ms
Remote clock offset: -1.966 ms

Below is generated by plot.py at 2018-01-17 10:08:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 958.03 Mbit/s
95th percentile per-packet one-way delay: 3.912 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 586.39 Mbit/s
95th percentile per-packet one-way delay: 3.860 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 400.77 Mbit/s
95th percentile per-packet one-way delay: 3.931 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 317.39 Mbit/s
95th percentile per-packet one-way delay: 3.988 ms
Loss rate: 0.22%

Run 8: Report of FillP — Data Link

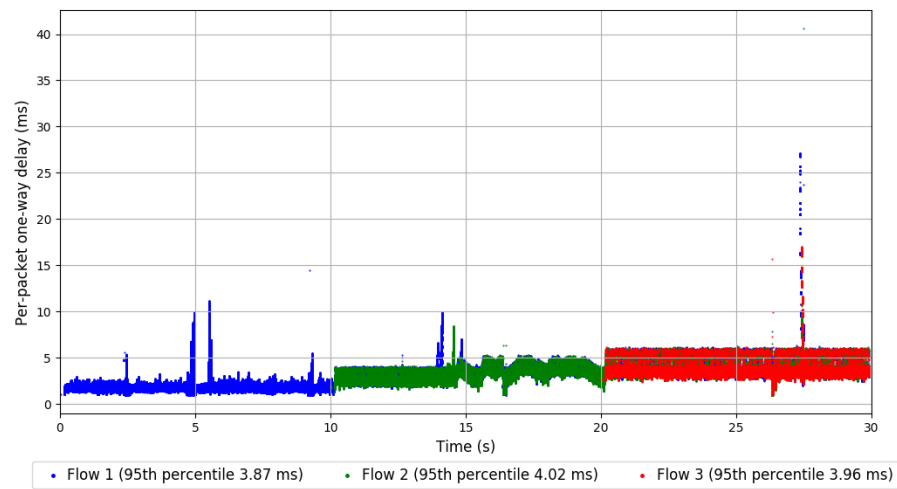
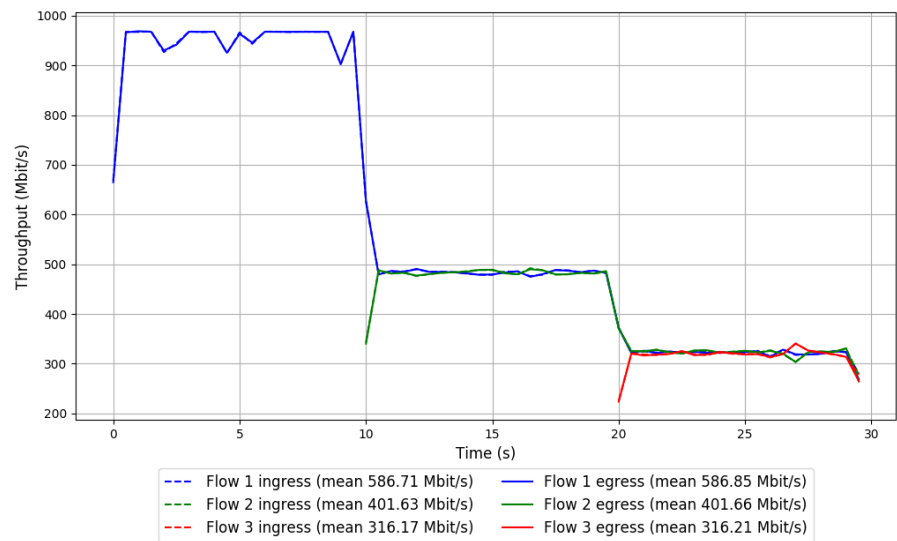


Run 9: Statistics of FillP

Start at: 2018-01-17 02:34:32
End at: 2018-01-17 02:35:02
Local clock offset: -2.693 ms
Remote clock offset: -1.928 ms

Below is generated by plot.py at 2018-01-17 10:18:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 958.67 Mbit/s
95th percentile per-packet one-way delay: 3.934 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 586.85 Mbit/s
95th percentile per-packet one-way delay: 3.871 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 401.66 Mbit/s
95th percentile per-packet one-way delay: 4.020 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 316.21 Mbit/s
95th percentile per-packet one-way delay: 3.961 ms
Loss rate: 0.23%

Run 9: Report of FillP — Data Link

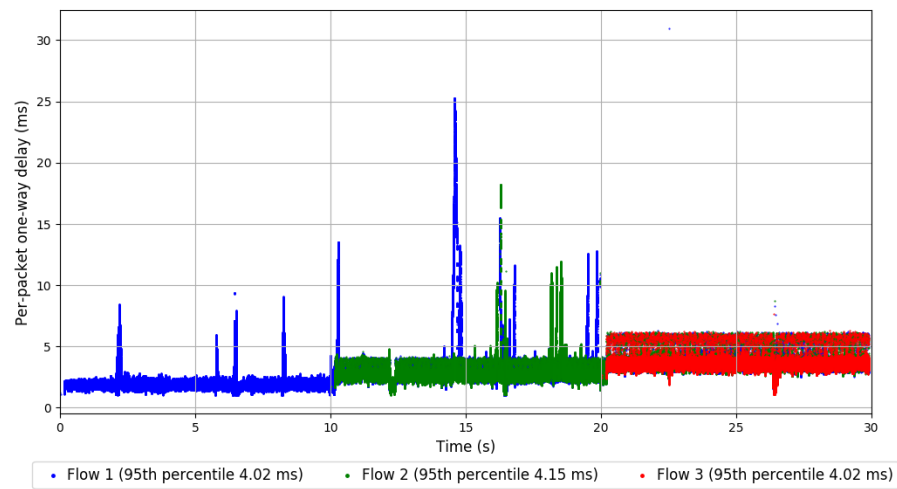
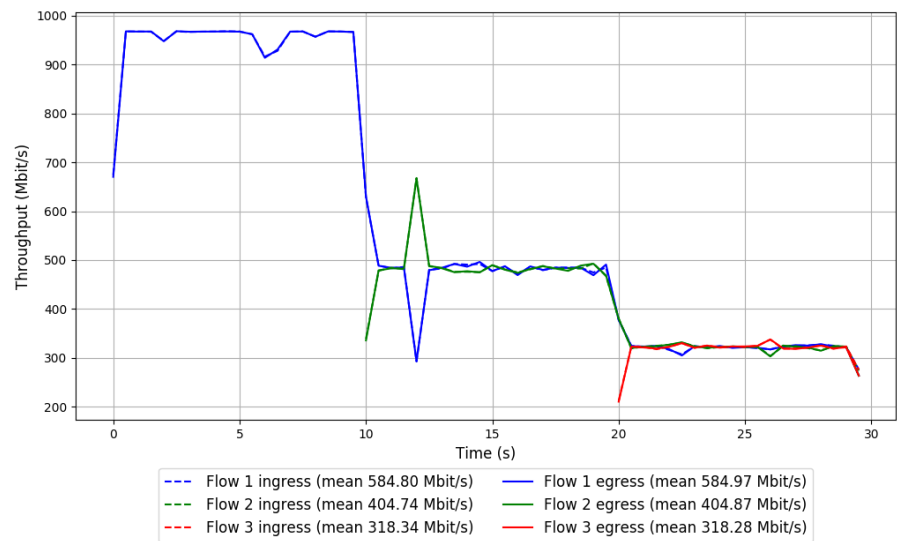


Run 10: Statistics of FillP

Start at: 2018-01-17 03:02:09
End at: 2018-01-17 03:02:39
Local clock offset: -1.175 ms
Remote clock offset: -2.135 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 959.41 Mbit/s
95th percentile per-packet one-way delay: 4.059 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 584.97 Mbit/s
95th percentile per-packet one-way delay: 4.020 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 404.87 Mbit/s
95th percentile per-packet one-way delay: 4.153 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 318.28 Mbit/s
95th percentile per-packet one-way delay: 4.019 ms
Loss rate: 0.24%

Run 10: Report of FillP — Data Link

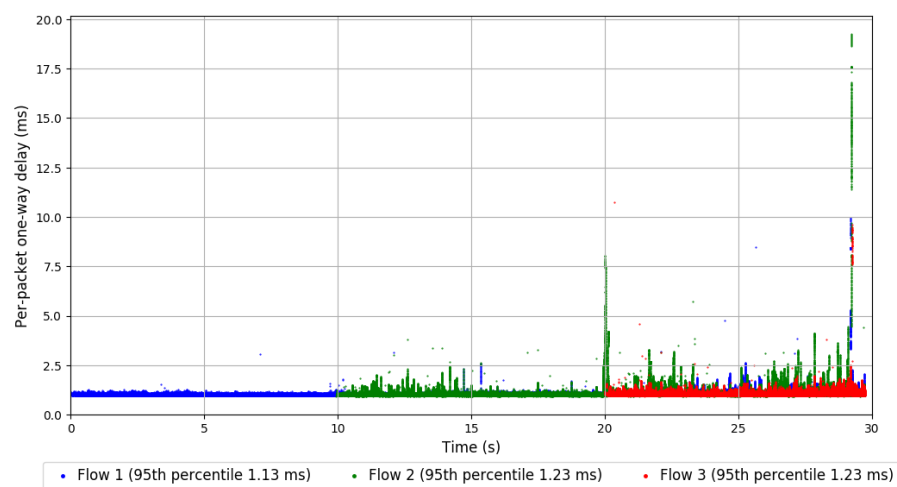
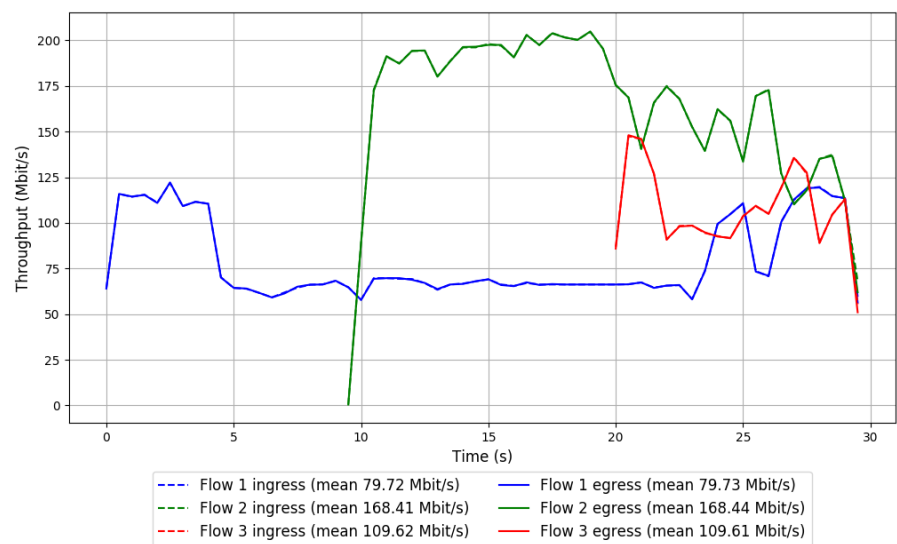


Run 1: Statistics of Indigo

Start at: 2018-01-16 23:03:52
End at: 2018-01-16 23:04:22
Local clock offset: -5.125 ms
Remote clock offset: -4.295 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 227.63 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 168.44 Mbit/s
95th percentile per-packet one-way delay: 1.232 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 109.61 Mbit/s
95th percentile per-packet one-way delay: 1.227 ms
Loss rate: 0.23%

Run 1: Report of Indigo — Data Link

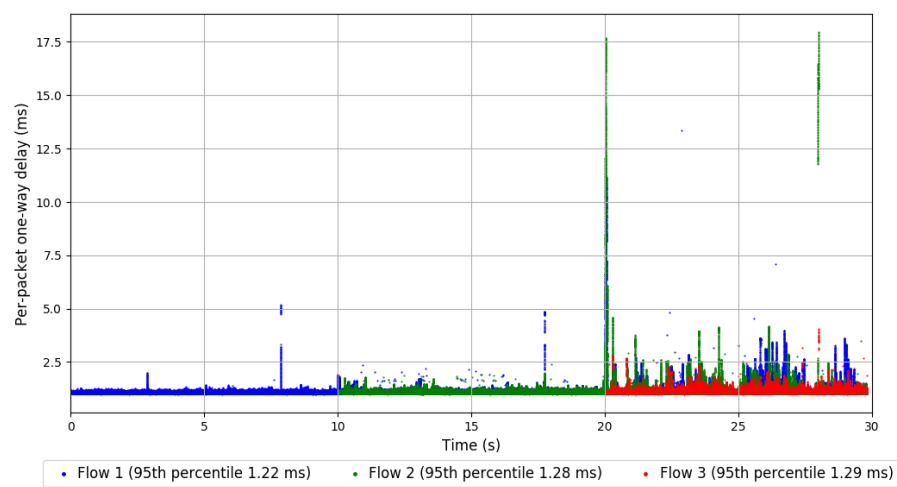
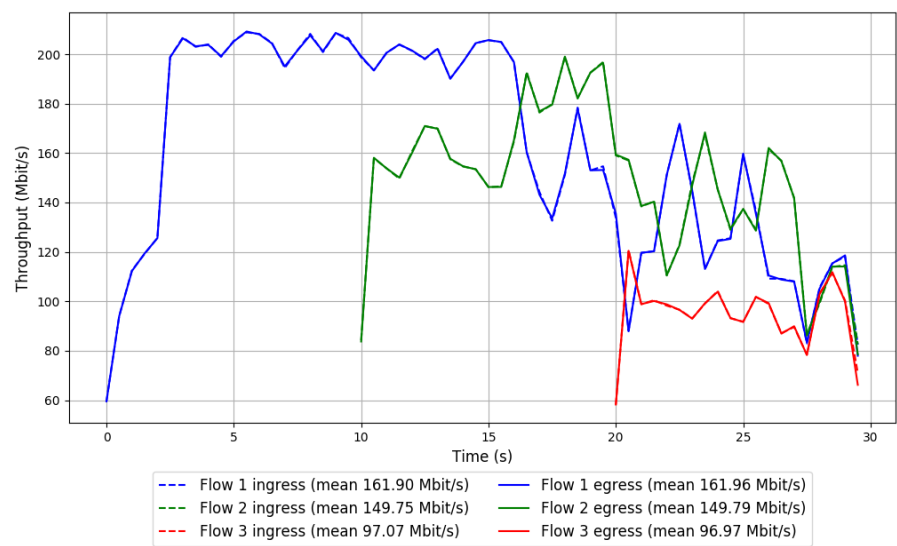


Run 2: Statistics of Indigo

Start at: 2018-01-16 23:30:53
End at: 2018-01-16 23:31:23
Local clock offset: -5.098 ms
Remote clock offset: -3.515 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.04 Mbit/s
95th percentile per-packet one-way delay: 1.249 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 161.96 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 149.79 Mbit/s
95th percentile per-packet one-way delay: 1.280 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.28%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-01-16 23:58:05

End at: 2018-01-16 23:58:36

Local clock offset: -5.109 ms

Remote clock offset: -3.21 ms

Below is generated by plot.py at 2018-01-17 10:19:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 297.78 Mbit/s

95th percentile per-packet one-way delay: 1.214 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 172.61 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 144.99 Mbit/s

95th percentile per-packet one-way delay: 1.313 ms

Loss rate: 0.08%

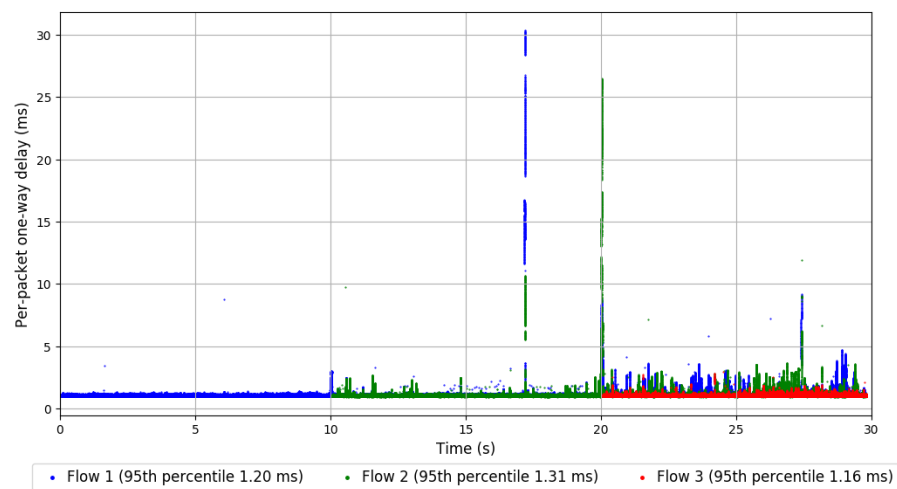
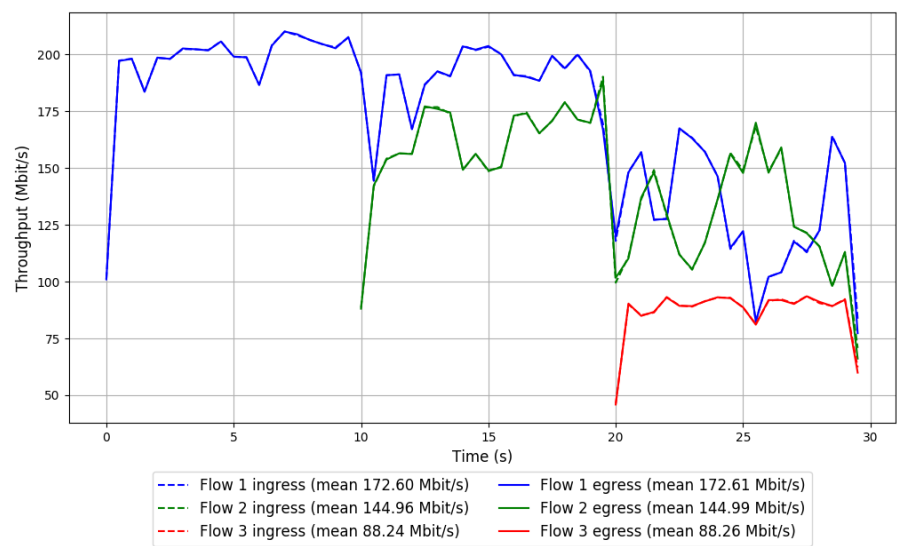
-- Flow 3:

Average throughput: 88.26 Mbit/s

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

Loss rate: 0.16%

Run 3: Report of Indigo — Data Link

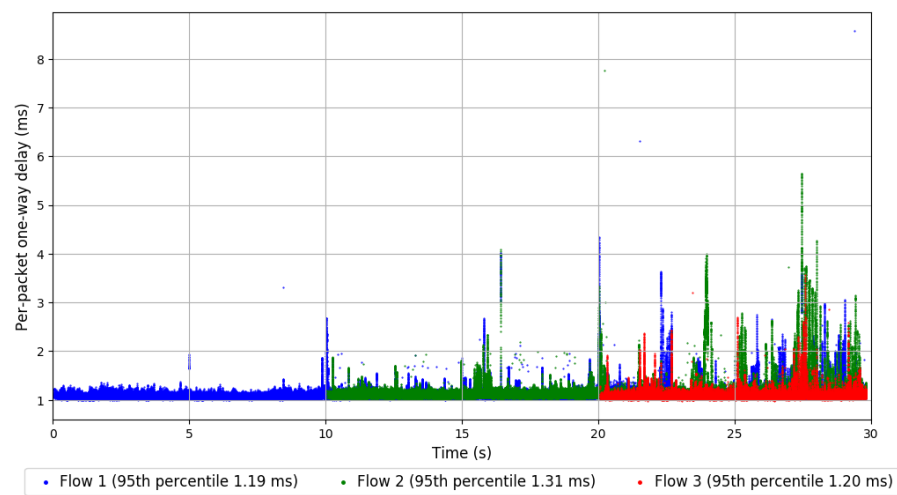
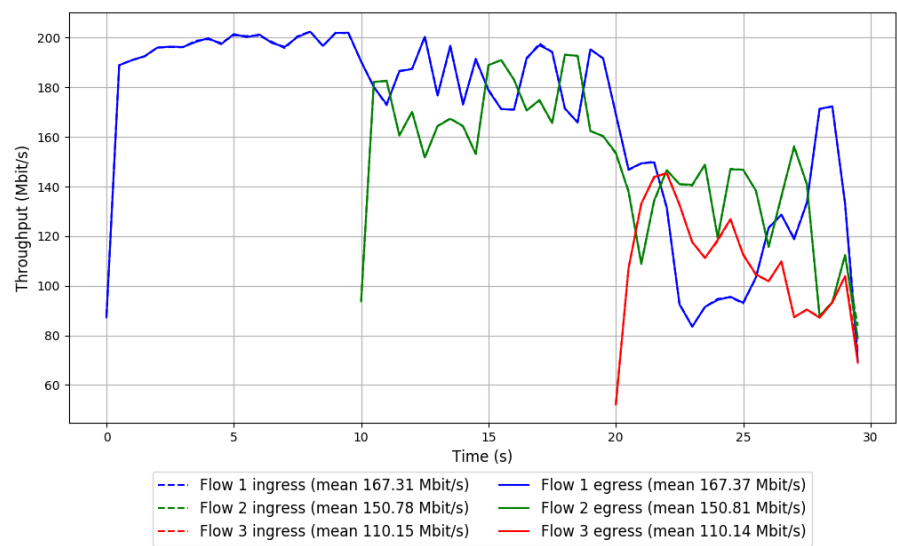


Run 4: Statistics of Indigo

Start at: 2018-01-17 00:25:26
End at: 2018-01-17 00:25:56
Local clock offset: -5.224 ms
Remote clock offset: -2.547 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.29 Mbit/s
95th percentile per-packet one-way delay: 1.219 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 167.37 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 150.81 Mbit/s
95th percentile per-packet one-way delay: 1.308 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 110.14 Mbit/s
95th percentile per-packet one-way delay: 1.199 ms
Loss rate: 0.21%

Run 4: Report of Indigo — Data Link

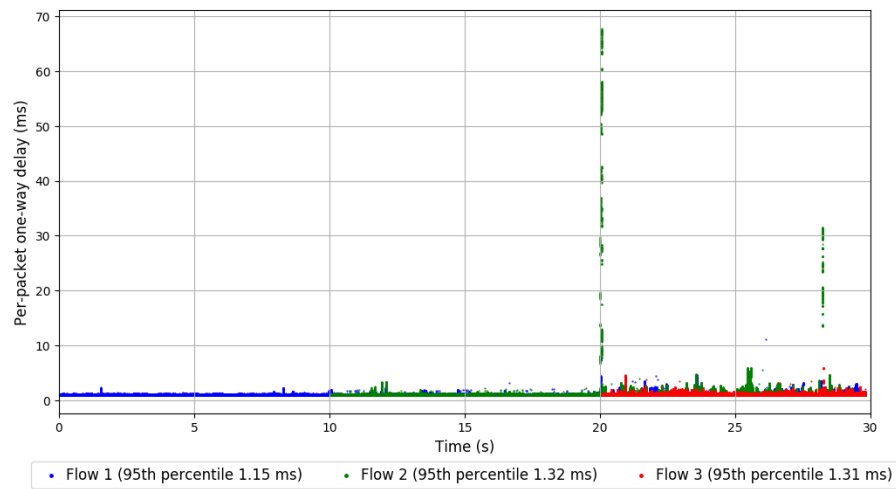
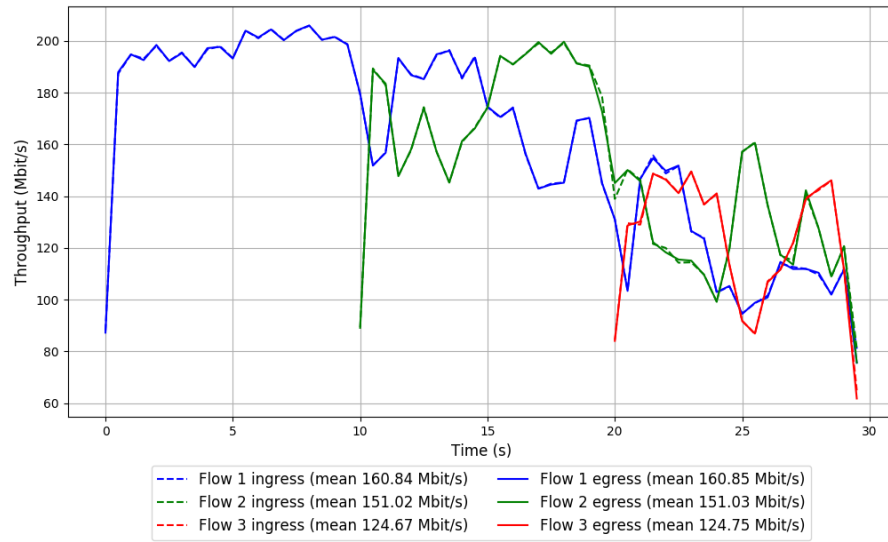


Run 5: Statistics of Indigo

Start at: 2018-01-17 00:53:04
End at: 2018-01-17 00:53:34
Local clock offset: -5.383 ms
Remote clock offset: -1.996 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.94 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 160.85 Mbit/s
95th percentile per-packet one-way delay: 1.145 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 151.03 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 124.75 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.14%

Run 5: Report of Indigo — Data Link

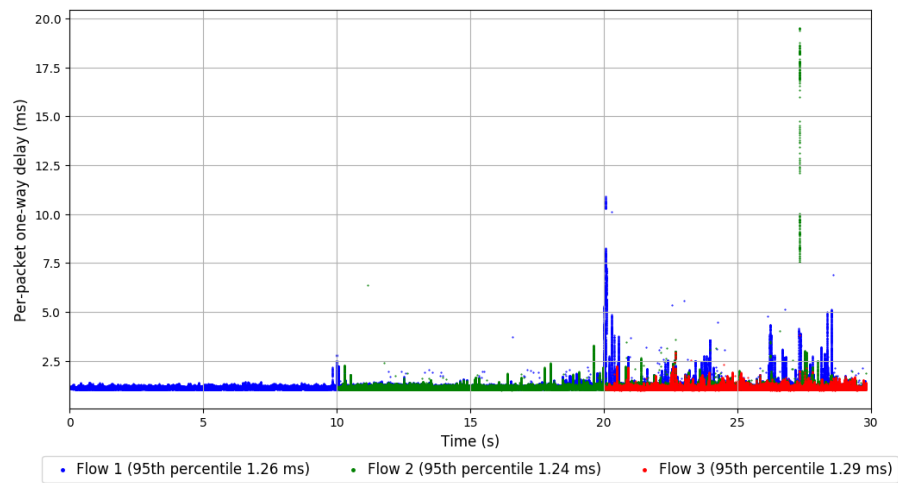
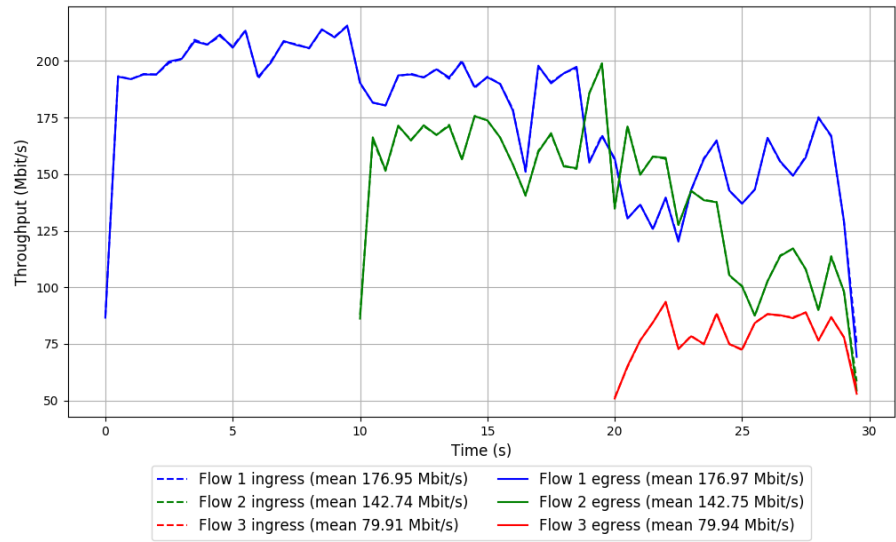


Run 6: Statistics of Indigo

Start at: 2018-01-17 01:20:39
End at: 2018-01-17 01:21:09
Local clock offset: -5.215 ms
Remote clock offset: -1.746 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.80 Mbit/s
95th percentile per-packet one-way delay: 1.253 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 176.97 Mbit/s
95th percentile per-packet one-way delay: 1.260 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 142.75 Mbit/s
95th percentile per-packet one-way delay: 1.235 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 79.94 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.17%

Run 6: Report of Indigo — Data Link

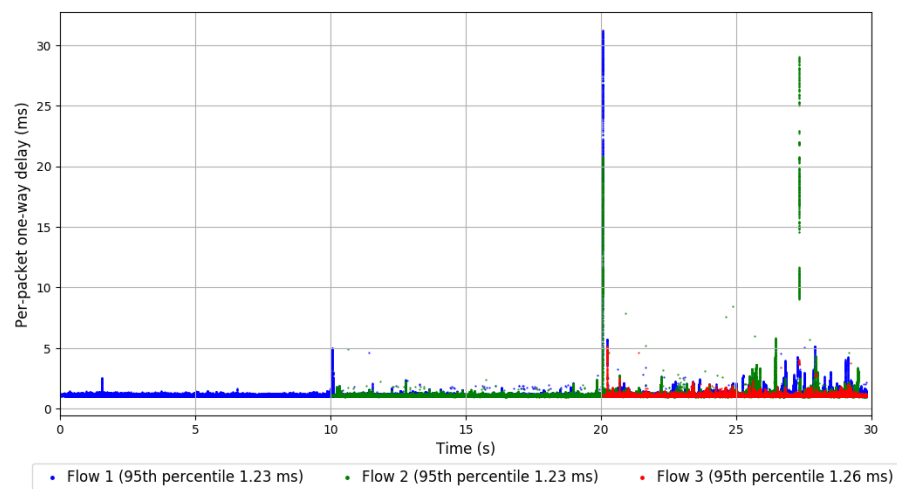
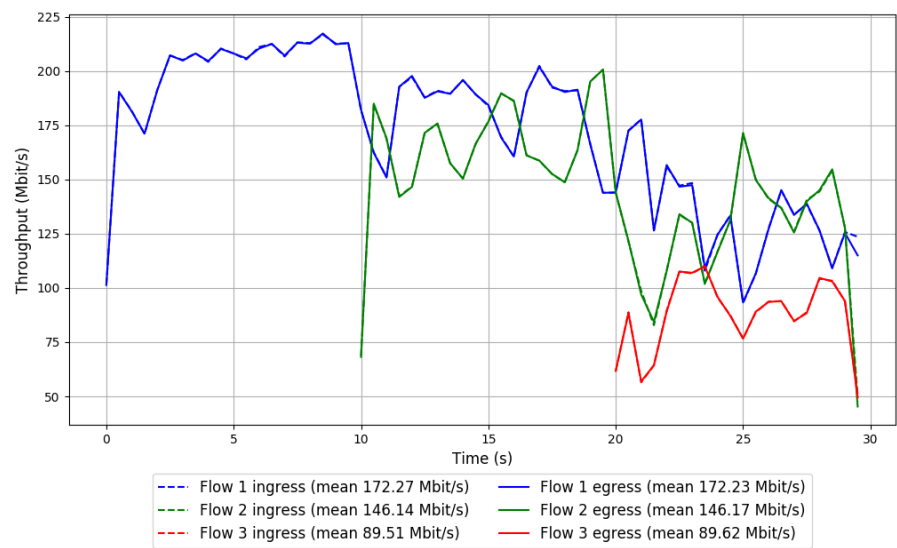


Run 7: Statistics of Indigo

Start at: 2018-01-17 01:47:49
End at: 2018-01-17 01:48:19
Local clock offset: -4.677 ms
Remote clock offset: -1.633 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 298.27 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 172.23 Mbit/s
95th percentile per-packet one-way delay: 1.228 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 146.17 Mbit/s
95th percentile per-packet one-way delay: 1.233 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.10%

Run 7: Report of Indigo — Data Link

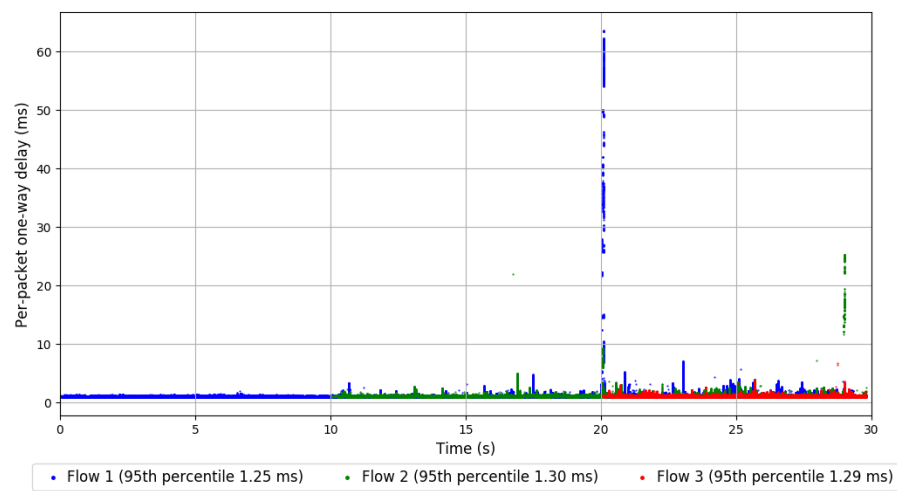
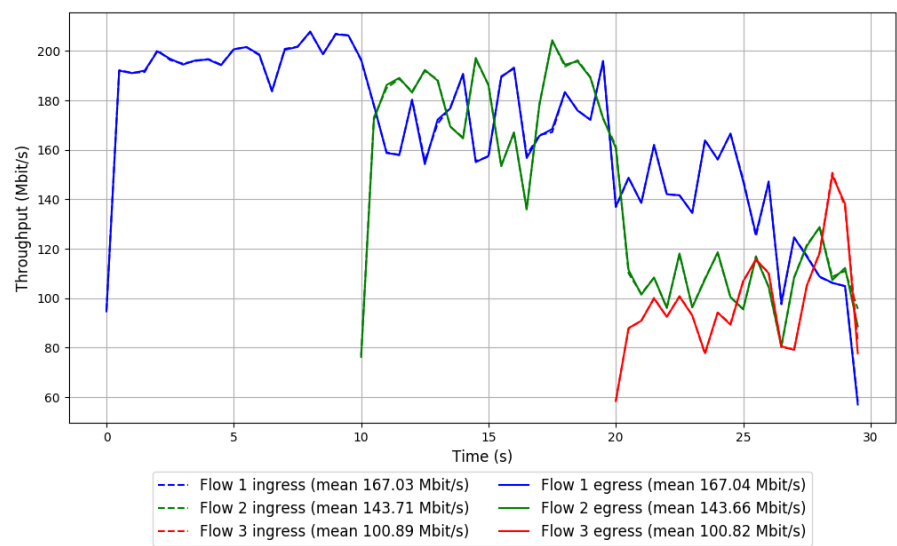


Run 8: Statistics of Indigo

Start at: 2018-01-17 02:15:09
End at: 2018-01-17 02:15:39
Local clock offset: -3.141 ms
Remote clock offset: -1.938 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.24 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 167.04 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 143.66 Mbit/s
95th percentile per-packet one-way delay: 1.300 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 100.82 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.25%

Run 8: Report of Indigo — Data Link

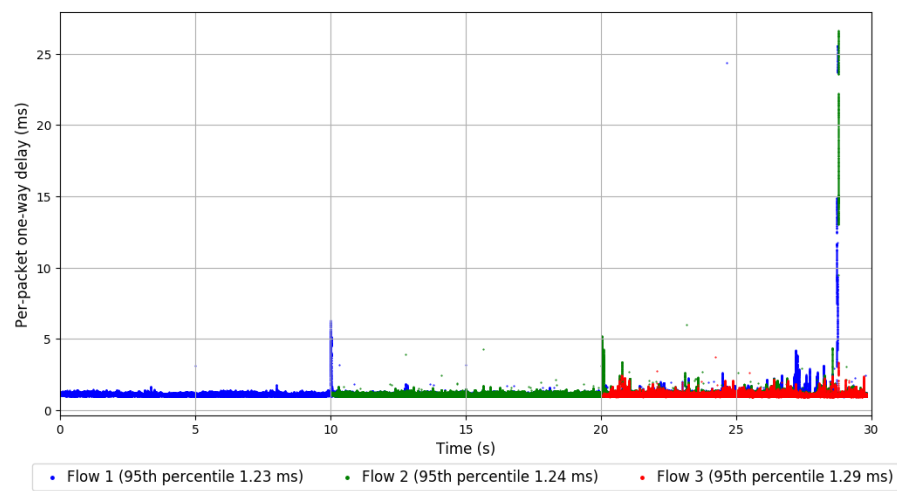
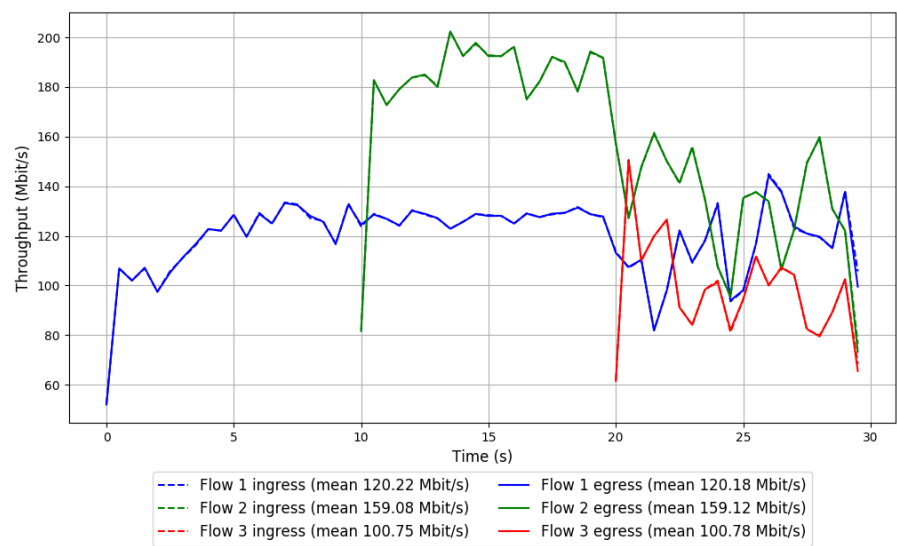


Run 9: Statistics of Indigo

Start at: 2018-01-17 02:42:37
End at: 2018-01-17 02:43:07
Local clock offset: -2.472 ms
Remote clock offset: -2.152 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.61 Mbit/s
95th percentile per-packet one-way delay: 1.237 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 120.18 Mbit/s
95th percentile per-packet one-way delay: 1.226 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 159.12 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 100.78 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.15%

Run 9: Report of Indigo — Data Link

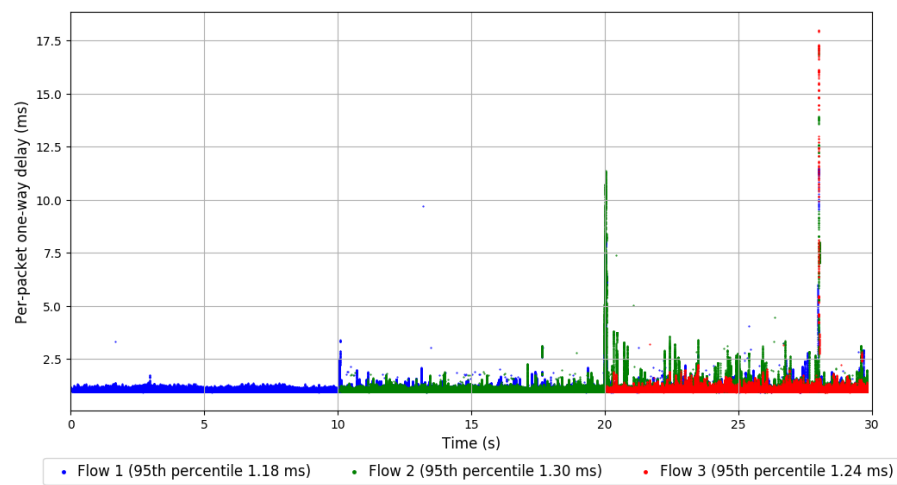
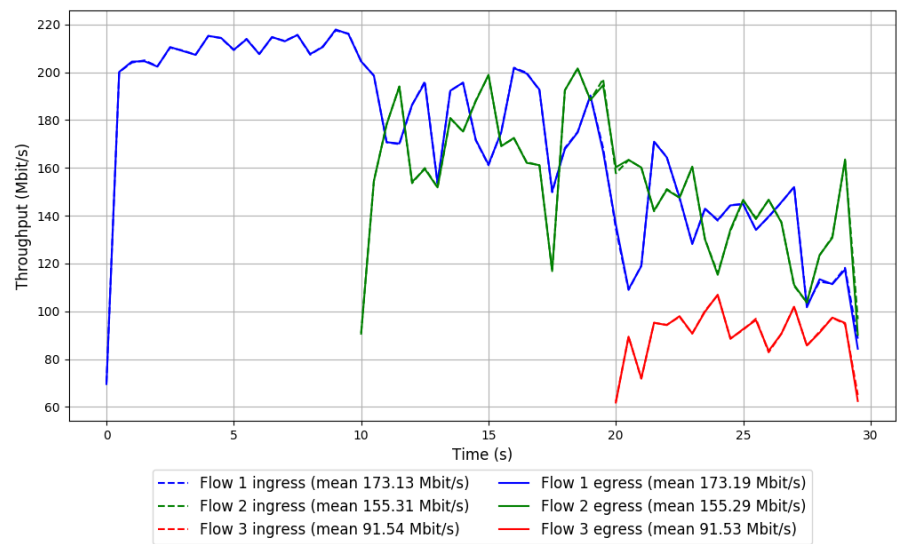


Run 10: Statistics of Indigo

Start at: 2018-01-17 03:10:08
End at: 2018-01-17 03:10:38
Local clock offset: -1.055 ms
Remote clock offset: -2.301 ms

Below is generated by plot.py at 2018-01-17 10:19:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.22 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 173.19 Mbit/s
95th percentile per-packet one-way delay: 1.178 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 155.29 Mbit/s
95th percentile per-packet one-way delay: 1.296 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 91.53 Mbit/s
95th percentile per-packet one-way delay: 1.240 ms
Loss rate: 0.14%

Run 10: Report of Indigo — Data Link

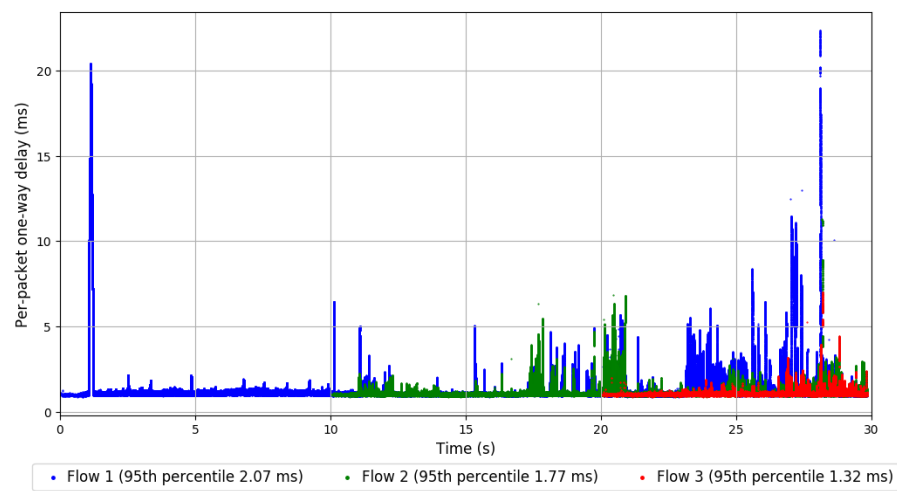
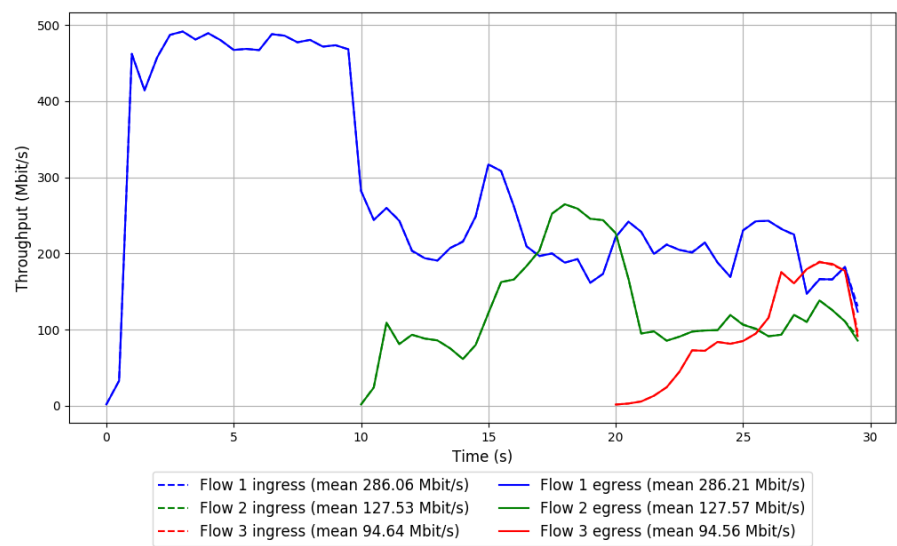


Run 1: Statistics of Vivace-latency

Start at: 2018-01-16 23:08:16
End at: 2018-01-16 23:08:46
Local clock offset: -5.058 ms
Remote clock offset: -4.188 ms

Below is generated by plot.py at 2018-01-17 10:21:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 402.02 Mbit/s
95th percentile per-packet one-way delay: 1.898 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 286.21 Mbit/s
95th percentile per-packet one-way delay: 2.070 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 127.57 Mbit/s
95th percentile per-packet one-way delay: 1.772 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 94.56 Mbit/s
95th percentile per-packet one-way delay: 1.318 ms
Loss rate: 0.32%

Run 1: Report of Vivace-latency — Data Link

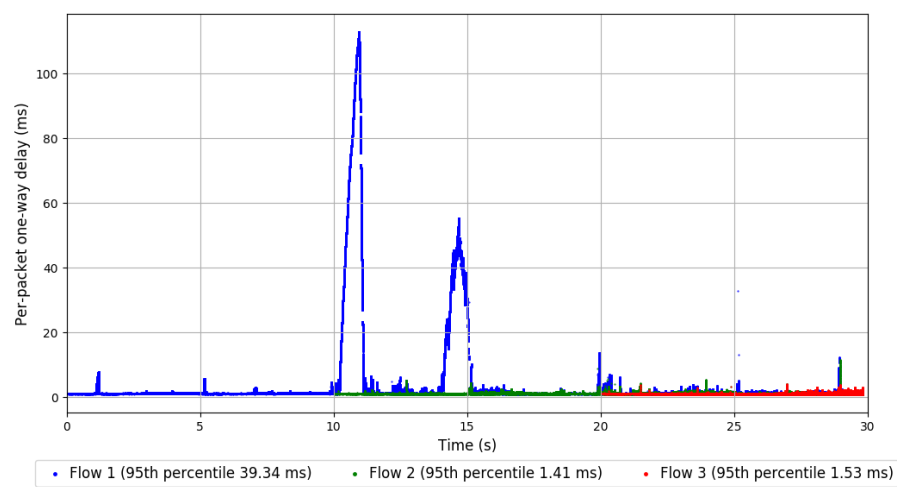
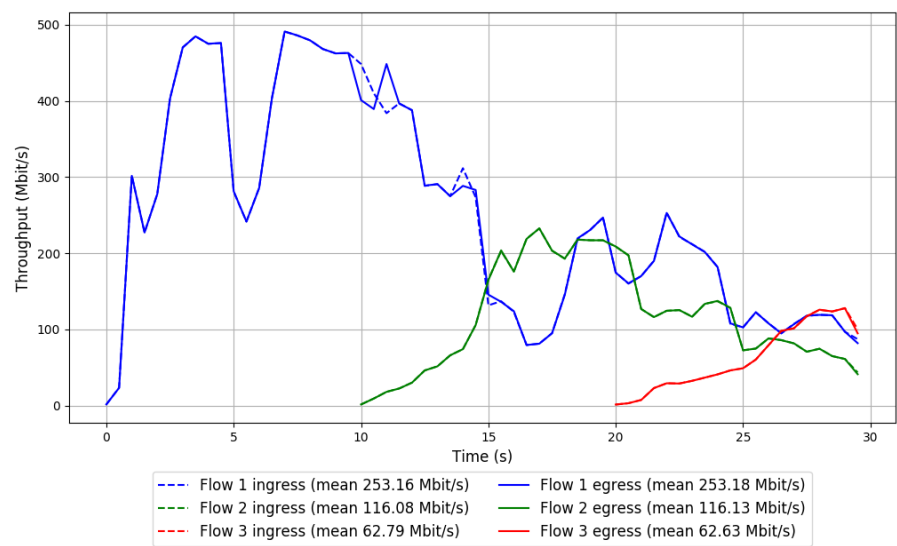


Run 2: Statistics of Vivace-latency

Start at: 2018-01-16 23:35:21
End at: 2018-01-16 23:35:51
Local clock offset: -5.178 ms
Remote clock offset: -3.492 ms

Below is generated by plot.py at 2018-01-17 10:21:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.93 Mbit/s
95th percentile per-packet one-way delay: 23.002 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 253.18 Mbit/s
95th percentile per-packet one-way delay: 39.345 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 116.13 Mbit/s
95th percentile per-packet one-way delay: 1.413 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.63 Mbit/s
95th percentile per-packet one-way delay: 1.531 ms
Loss rate: 0.45%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-01-17 00:02:34

End at: 2018-01-17 00:03:04

Local clock offset: -5.173 ms

Remote clock offset: -3.26 ms

Below is generated by plot.py at 2018-01-17 10:21:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 387.31 Mbit/s

95th percentile per-packet one-way delay: 2.740 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 218.98 Mbit/s

95th percentile per-packet one-way delay: 3.476 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 167.36 Mbit/s

95th percentile per-packet one-way delay: 2.493 ms

Loss rate: 0.02%

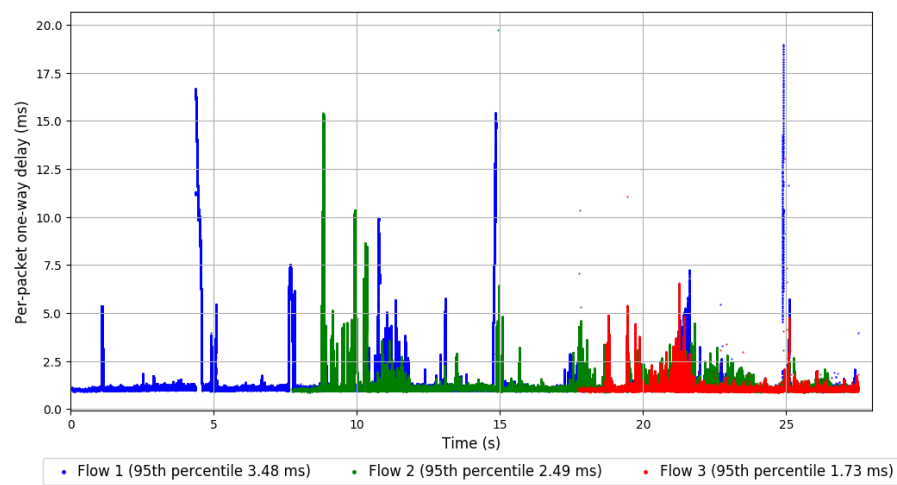
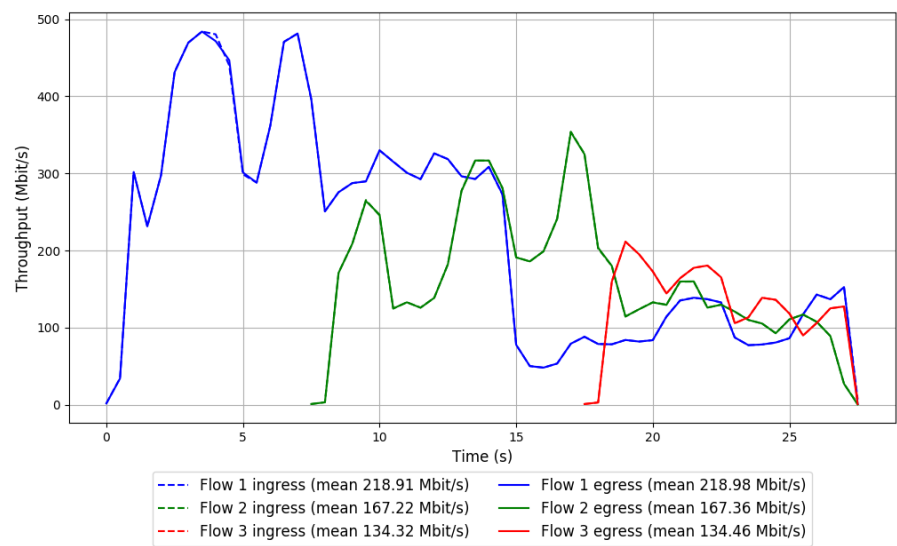
-- Flow 3:

Average throughput: 134.46 Mbit/s

95th percentile per-packet one-way delay: 1.730 ms

Loss rate: 0.18%

Run 3: Report of Vivace-latency — Data Link

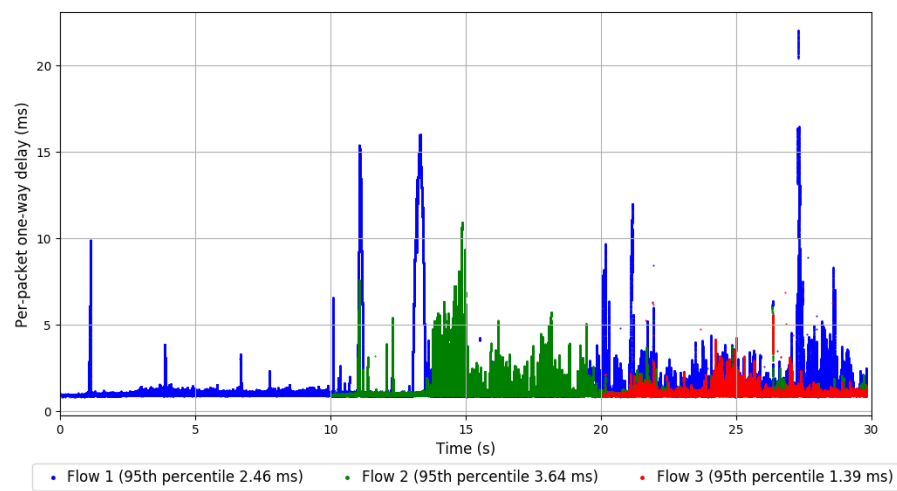
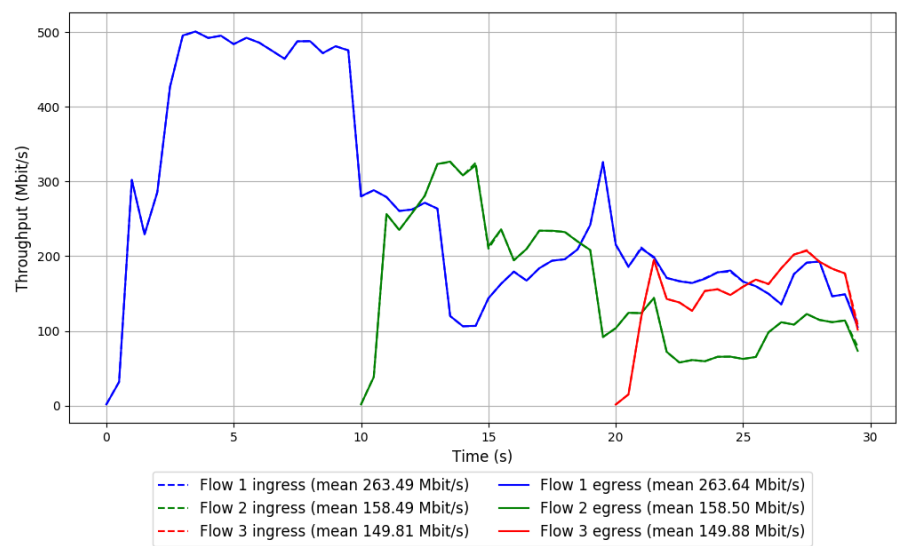


Run 4: Statistics of Vivace-latency

Start at: 2018-01-17 00:29:55
End at: 2018-01-17 00:30:25
Local clock offset: -5.33 ms
Remote clock offset: -2.324 ms

Below is generated by plot.py at 2018-01-17 10:24:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.15 Mbit/s
95th percentile per-packet one-way delay: 2.693 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 263.64 Mbit/s
95th percentile per-packet one-way delay: 2.460 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 158.50 Mbit/s
95th percentile per-packet one-way delay: 3.639 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 149.88 Mbit/s
95th percentile per-packet one-way delay: 1.393 ms
Loss rate: 0.25%

Run 4: Report of Vivace-latency — Data Link

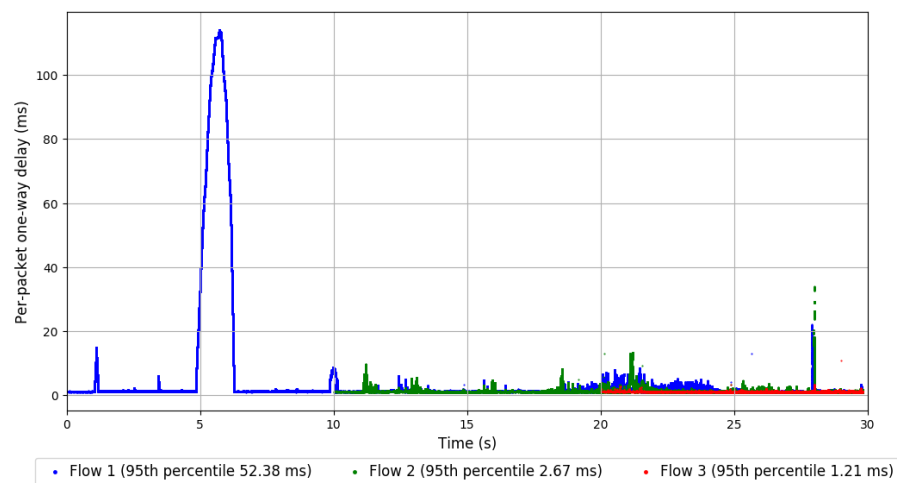
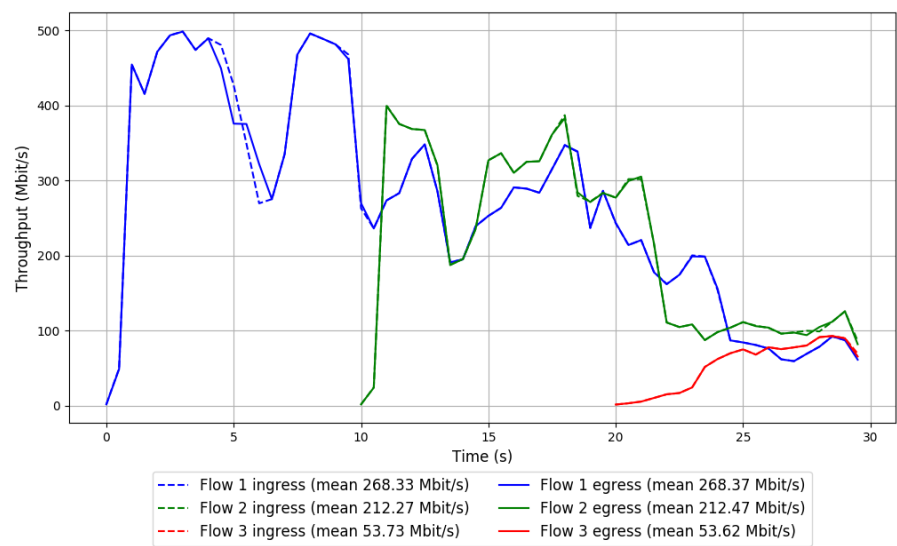


Run 5: Statistics of Vivace-latency

Start at: 2018-01-17 00:57:33
End at: 2018-01-17 00:58:03
Local clock offset: -5.29 ms
Remote clock offset: -1.965 ms

Below is generated by plot.py at 2018-01-17 10:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.20 Mbit/s
95th percentile per-packet one-way delay: 7.587 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 268.37 Mbit/s
95th percentile per-packet one-way delay: 52.377 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 212.47 Mbit/s
95th percentile per-packet one-way delay: 2.672 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 53.62 Mbit/s
95th percentile per-packet one-way delay: 1.213 ms
Loss rate: 0.39%

Run 5: Report of Vivace-latency — Data Link

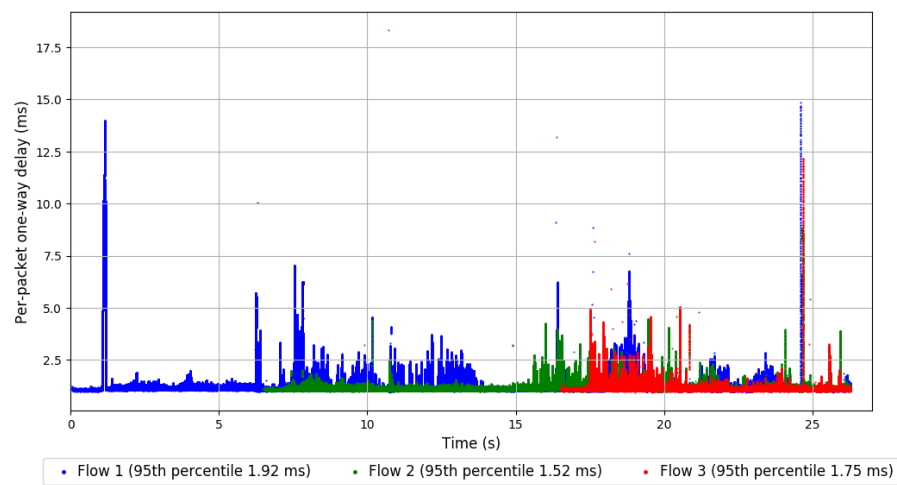
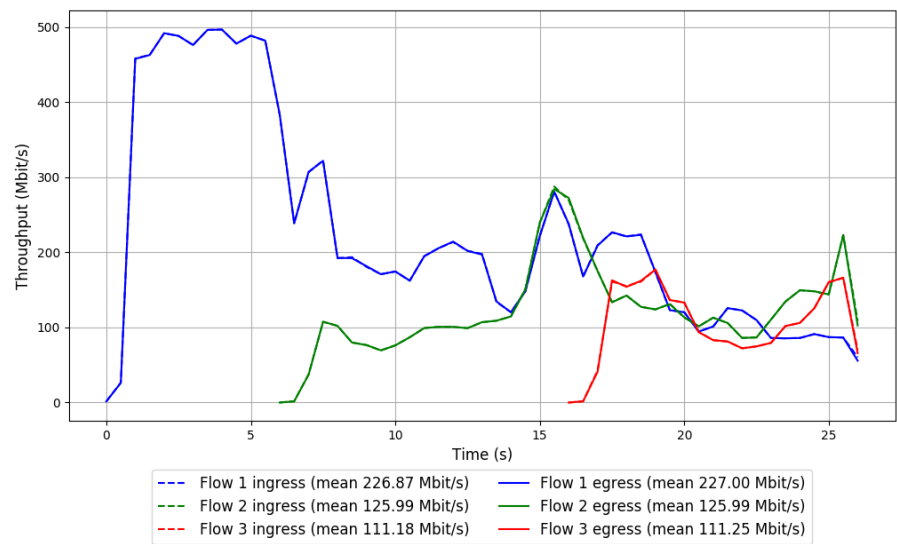


Run 6: Statistics of Vivace-latency

Start at: 2018-01-17 01:25:06
End at: 2018-01-17 01:25:36
Local clock offset: -5.179 ms
Remote clock offset: -1.704 ms

Below is generated by plot.py at 2018-01-17 10:24:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.38 Mbit/s
95th percentile per-packet one-way delay: 1.776 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 227.00 Mbit/s
95th percentile per-packet one-way delay: 1.920 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 125.99 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 111.25 Mbit/s
95th percentile per-packet one-way delay: 1.753 ms
Loss rate: 0.20%

Run 6: Report of Vivace-latency — Data Link

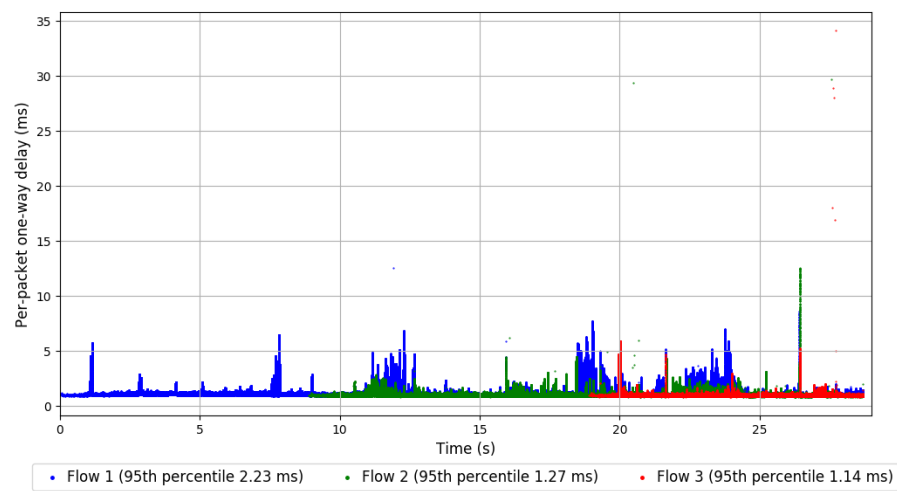
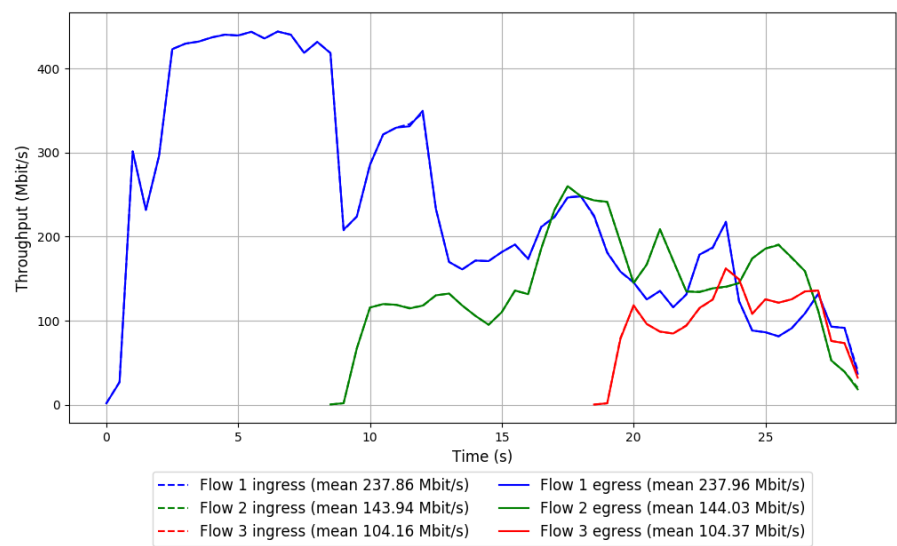


Run 7: Statistics of Vivace-latency

Start at: 2018-01-17 01:52:17
End at: 2018-01-17 01:52:47
Local clock offset: -4.61 ms
Remote clock offset: -1.666 ms

Below is generated by plot.py at 2018-01-17 10:27:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.02 Mbit/s
95th percentile per-packet one-way delay: 1.808 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 237.96 Mbit/s
95th percentile per-packet one-way delay: 2.225 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 144.03 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 104.37 Mbit/s
95th percentile per-packet one-way delay: 1.141 ms
Loss rate: 0.17%

Run 7: Report of Vivace-latency — Data Link

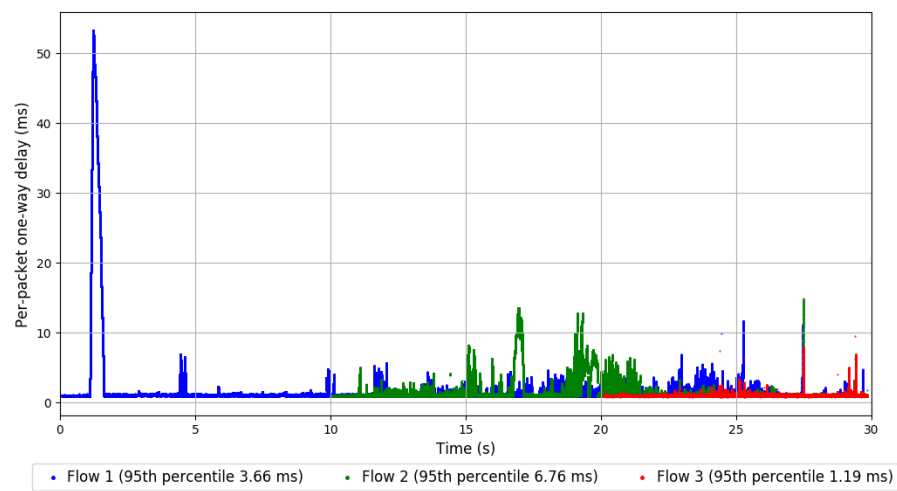
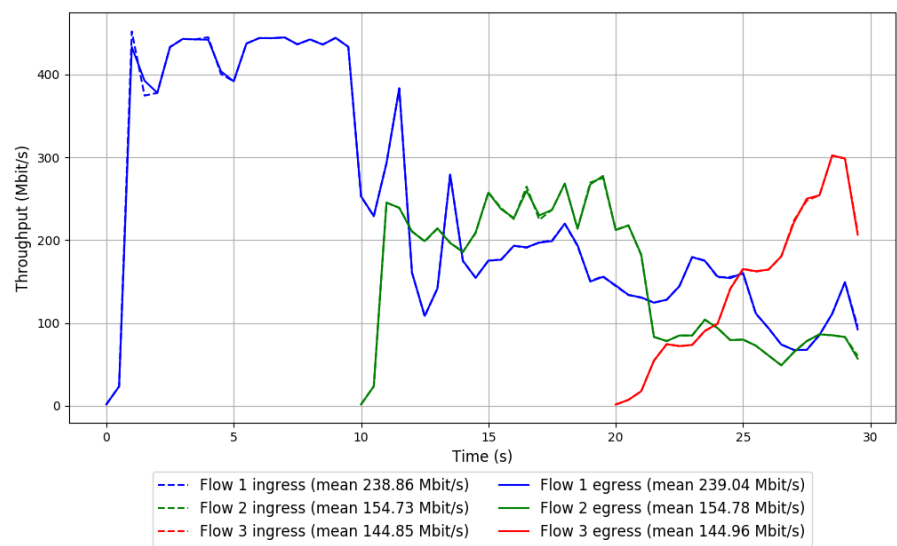


Run 8: Statistics of Vivace-latency

Start at: 2018-01-17 02:19:36
End at: 2018-01-17 02:20:06
Local clock offset: -3.129 ms
Remote clock offset: -1.806 ms

Below is generated by plot.py at 2018-01-17 10:29:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.41 Mbit/s
95th percentile per-packet one-way delay: 4.768 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 239.04 Mbit/s
95th percentile per-packet one-way delay: 3.659 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 154.78 Mbit/s
95th percentile per-packet one-way delay: 6.764 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 144.96 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.12%

Run 8: Report of Vivace-latency — Data Link

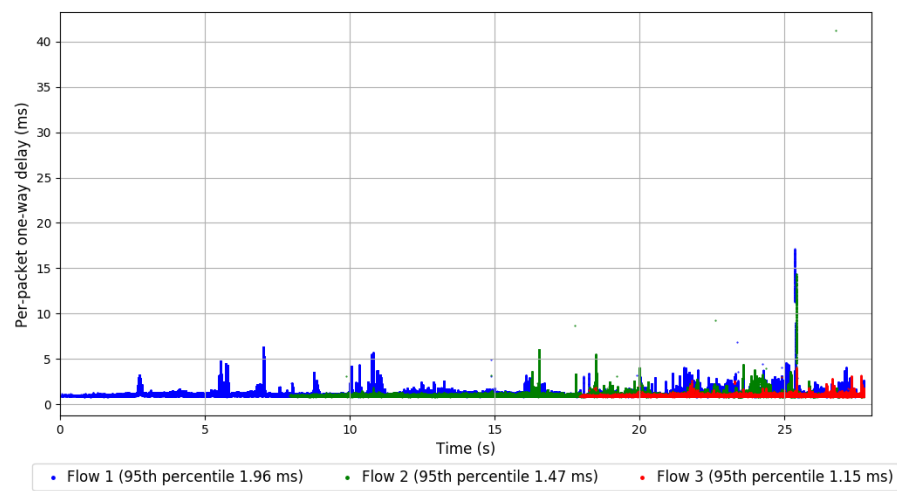
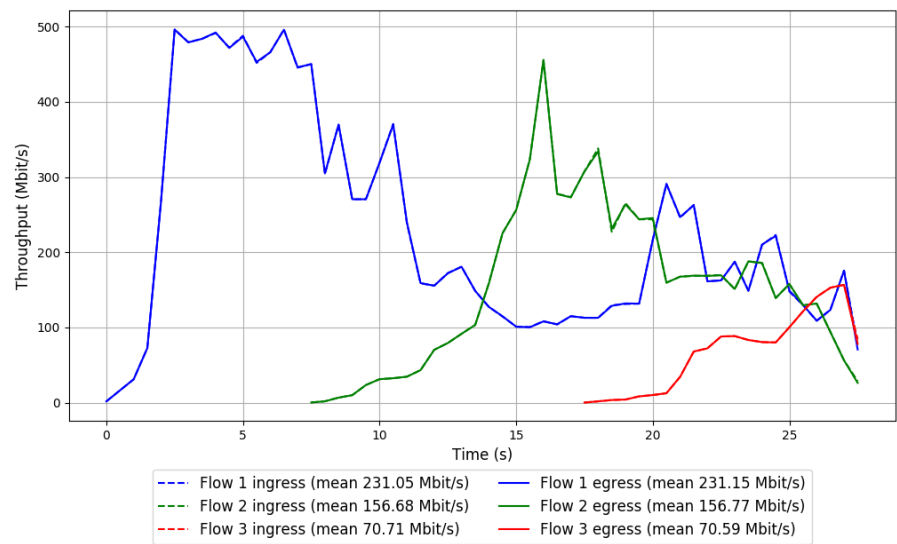


Run 9: Statistics of Vivace-latency

Start at: 2018-01-17 02:47:01
End at: 2018-01-17 02:47:31
Local clock offset: -2.265 ms
Remote clock offset: -2.217 ms

Below is generated by plot.py at 2018-01-17 10:29:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.11 Mbit/s
95th percentile per-packet one-way delay: 1.745 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 231.15 Mbit/s
95th percentile per-packet one-way delay: 1.955 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 156.77 Mbit/s
95th percentile per-packet one-way delay: 1.471 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.46%

Run 9: Report of Vivace-latency — Data Link

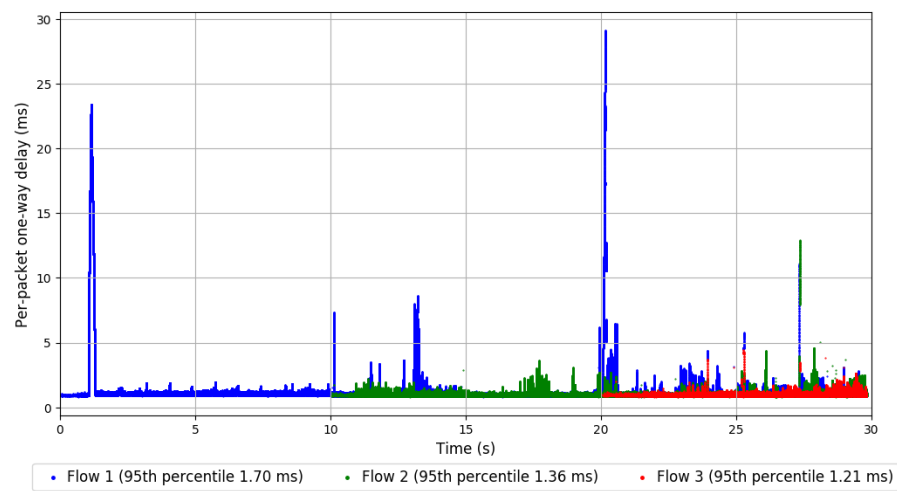
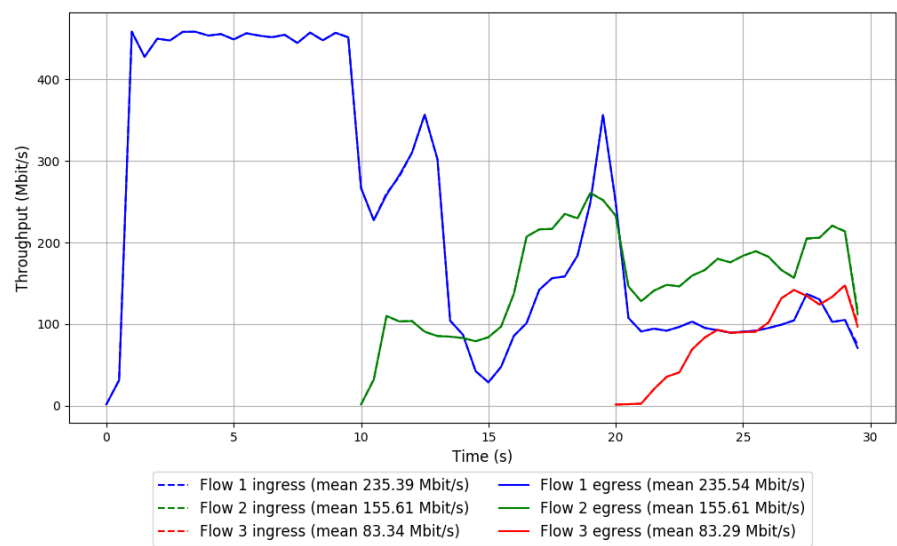


Run 10: Statistics of Vivace-latency

Start at: 2018-01-17 03:14:36
End at: 2018-01-17 03:15:06
Local clock offset: -1.071 ms
Remote clock offset: -2.298 ms

Below is generated by plot.py at 2018-01-17 10:30:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.27 Mbit/s
95th percentile per-packet one-way delay: 1.501 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 235.54 Mbit/s
95th percentile per-packet one-way delay: 1.696 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 155.61 Mbit/s
95th percentile per-packet one-way delay: 1.358 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 83.29 Mbit/s
95th percentile per-packet one-way delay: 1.211 ms
Loss rate: 0.29%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-01-16 22:58:48

End at: 2018-01-16 22:59:18

Local clock offset: -5.029 ms

Remote clock offset: -4.23 ms

Below is generated by plot.py at 2018-01-17 10:34:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 492.94 Mbit/s

95th percentile per-packet one-way delay: 141.819 ms

Loss rate: 1.92%

-- Flow 1:

Average throughput: 292.66 Mbit/s

95th percentile per-packet one-way delay: 150.442 ms

Loss rate: 2.83%

-- Flow 2:

Average throughput: 232.11 Mbit/s

95th percentile per-packet one-way delay: 138.627 ms

Loss rate: 0.61%

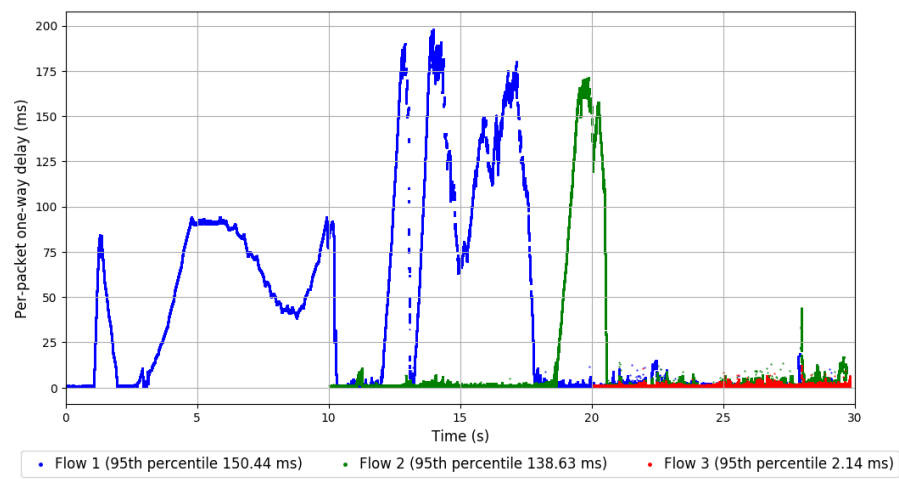
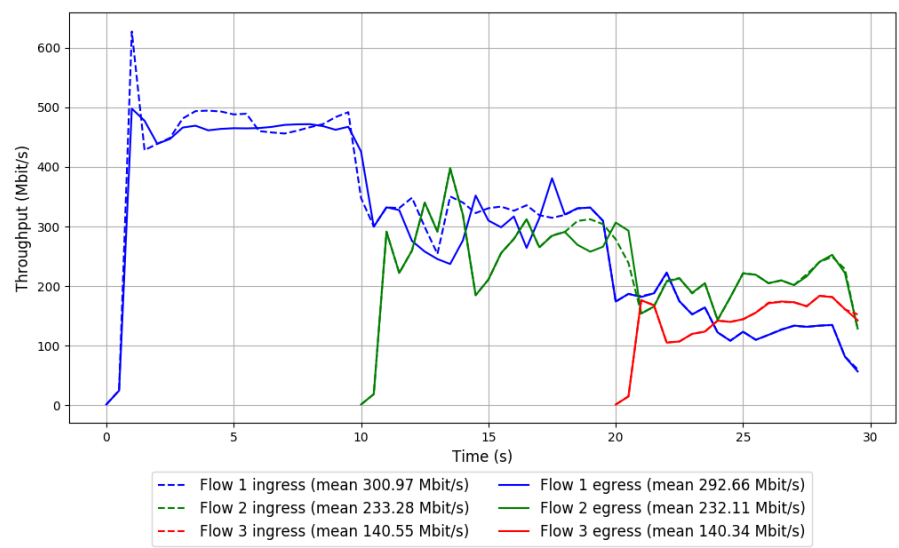
-- Flow 3:

Average throughput: 140.34 Mbit/s

95th percentile per-packet one-way delay: 2.138 ms

Loss rate: 0.36%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-01-16 23:25:53

End at: 2018-01-16 23:26:23

Local clock offset: -5.163 ms

Remote clock offset: -3.57 ms

Below is generated by plot.py at 2018-01-17 10:35:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 490.84 Mbit/s

95th percentile per-packet one-way delay: 153.588 ms

Loss rate: 2.42%

-- Flow 1:

Average throughput: 296.55 Mbit/s

95th percentile per-packet one-way delay: 156.032 ms

Loss rate: 3.53%

-- Flow 2:

Average throughput: 222.98 Mbit/s

95th percentile per-packet one-way delay: 86.593 ms

Loss rate: 0.78%

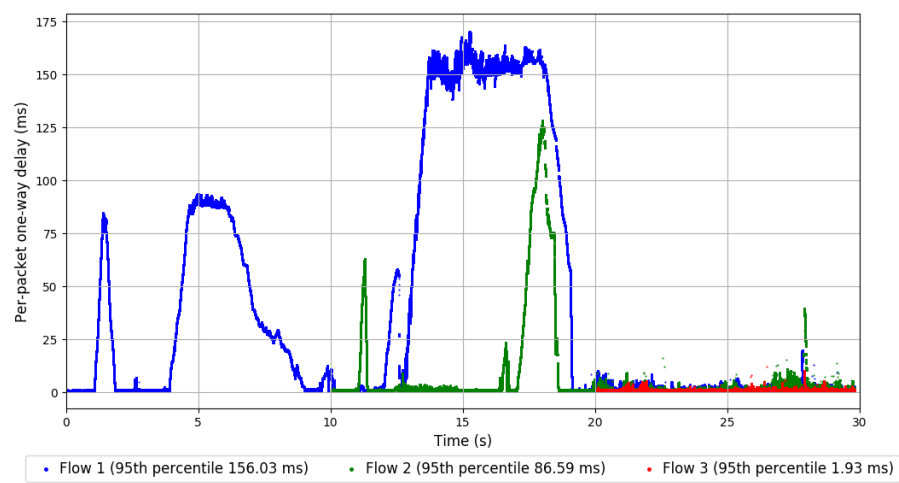
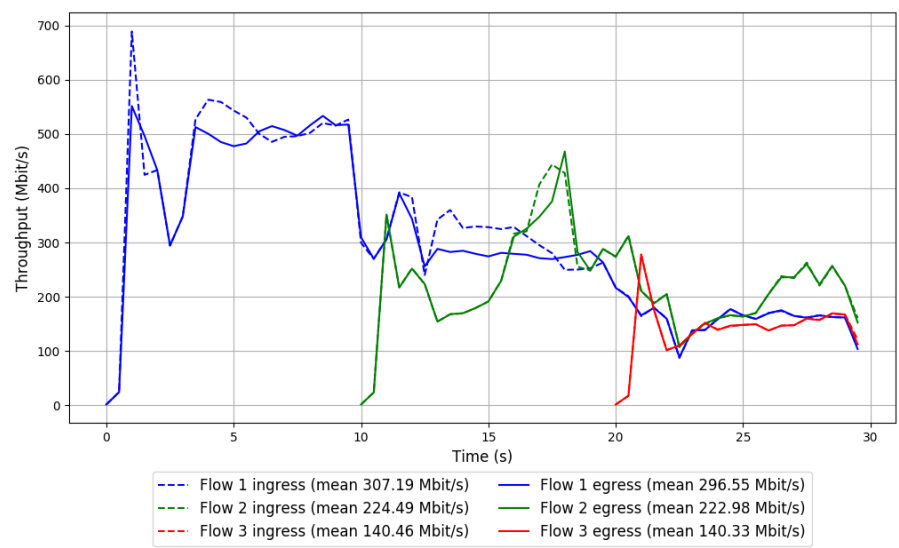
-- Flow 3:

Average throughput: 140.33 Mbit/s

95th percentile per-packet one-way delay: 1.933 ms

Loss rate: 0.29%

Run 2: Report of Vivace-loss — Data Link

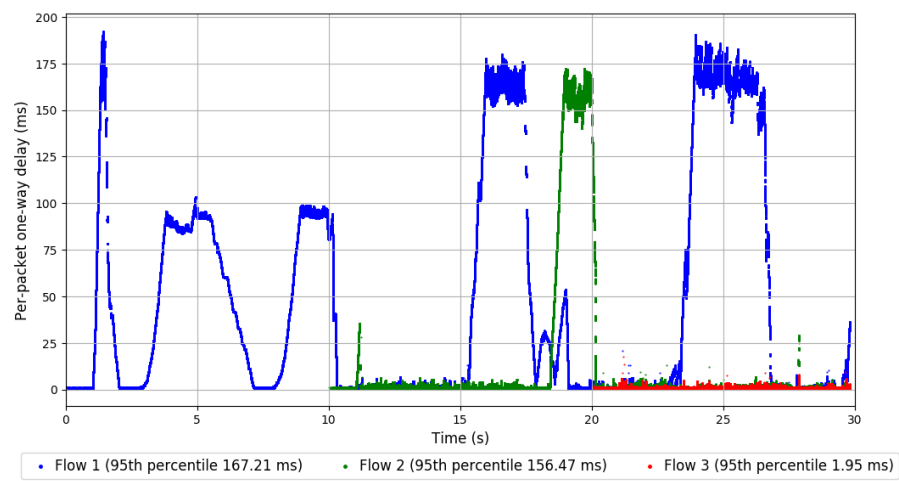
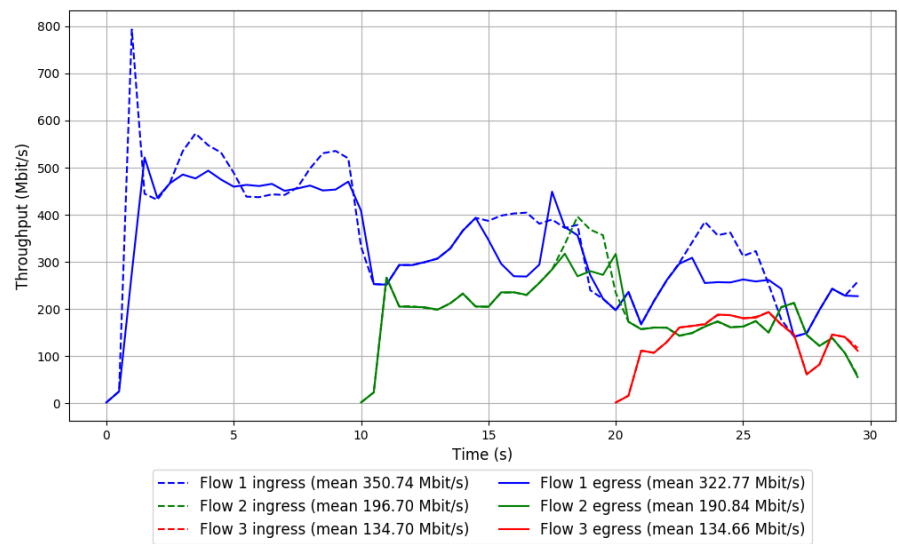


Run 3: Statistics of Vivace-loss

Start at: 2018-01-16 23:53:00
End at: 2018-01-16 23:53:30
Local clock offset: -5.178 ms
Remote clock offset: -3.174 ms

Below is generated by plot.py at 2018-01-17 10:36:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.83 Mbit/s
95th percentile per-packet one-way delay: 164.257 ms
Loss rate: 6.14%
-- Flow 1:
Average throughput: 322.77 Mbit/s
95th percentile per-packet one-way delay: 167.211 ms
Loss rate: 8.04%
-- Flow 2:
Average throughput: 190.84 Mbit/s
95th percentile per-packet one-way delay: 156.465 ms
Loss rate: 3.08%
-- Flow 3:
Average throughput: 134.66 Mbit/s
95th percentile per-packet one-way delay: 1.945 ms
Loss rate: 0.24%

Run 3: Report of Vivace-loss — Data Link

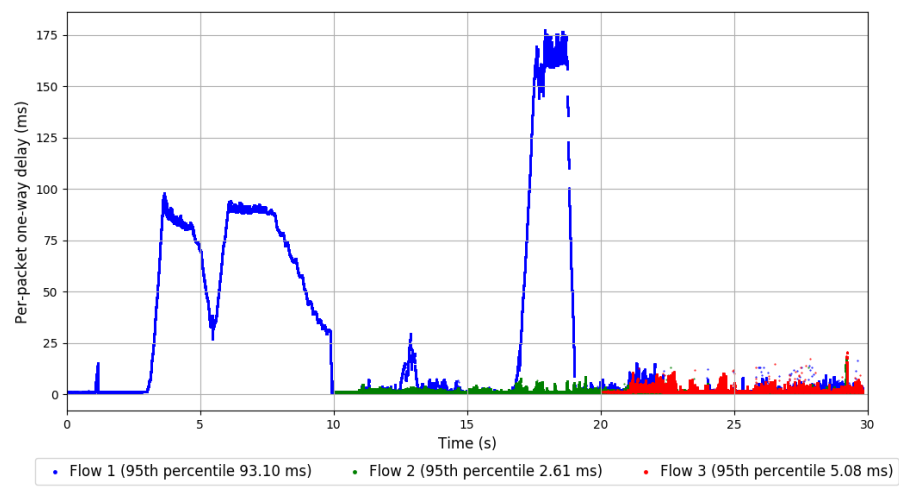
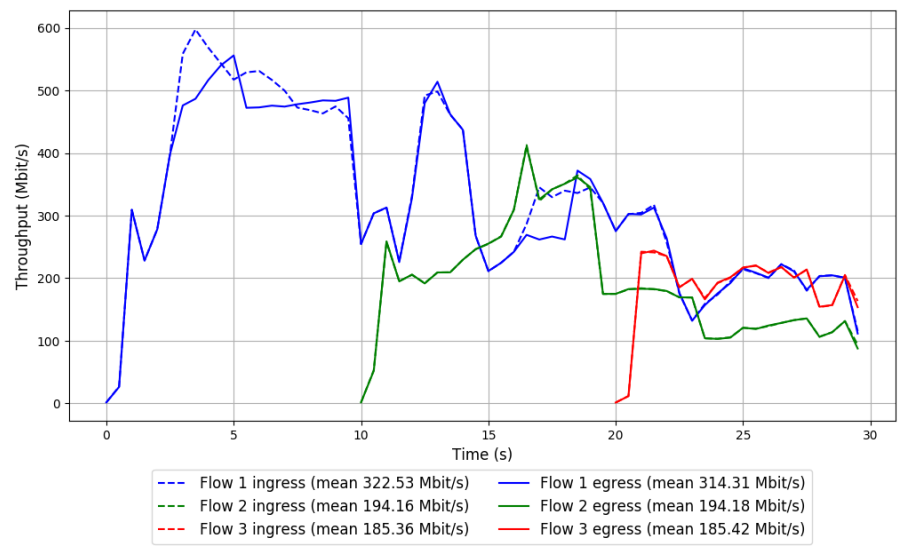


Run 4: Statistics of Vivace-loss

Start at: 2018-01-17 00:20:28
End at: 2018-01-17 00:20:58
Local clock offset: -5.179 ms
Remote clock offset: -2.683 ms

Below is generated by plot.py at 2018-01-17 10:37:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 504.07 Mbit/s
95th percentile per-packet one-way delay: 90.383 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 314.31 Mbit/s
95th percentile per-packet one-way delay: 93.100 ms
Loss rate: 2.63%
-- Flow 2:
Average throughput: 194.18 Mbit/s
95th percentile per-packet one-way delay: 2.607 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 185.42 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.30%

Run 4: Report of Vivace-loss — Data Link

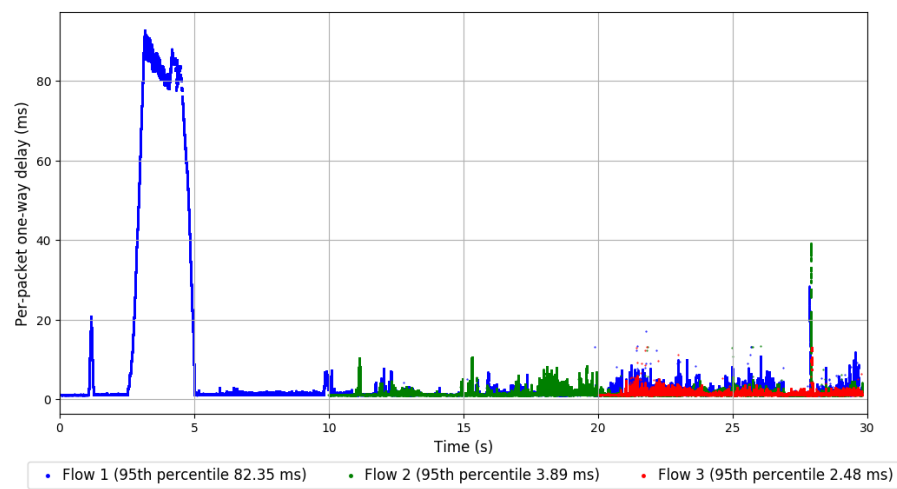
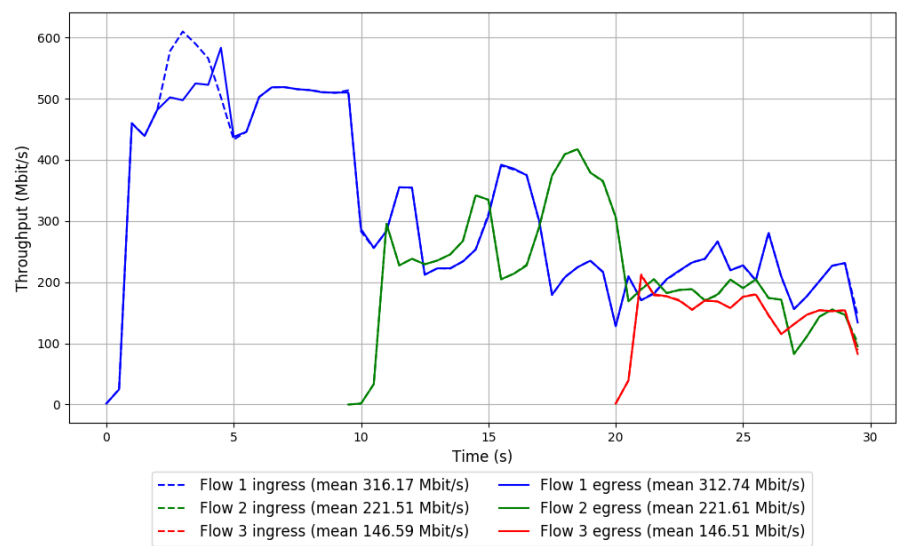


Run 5: Statistics of Vivace-loss

Start at: 2018-01-17 00:48:00
End at: 2018-01-17 00:48:30
Local clock offset: -5.274 ms
Remote clock offset: -2.076 ms

Below is generated by plot.py at 2018-01-17 10:40:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 508.28 Mbit/s
95th percentile per-packet one-way delay: 77.885 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 312.74 Mbit/s
95th percentile per-packet one-way delay: 82.347 ms
Loss rate: 1.17%
-- Flow 2:
Average throughput: 221.61 Mbit/s
95th percentile per-packet one-way delay: 3.890 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 146.51 Mbit/s
95th percentile per-packet one-way delay: 2.483 ms
Loss rate: 0.24%

Run 5: Report of Vivace-loss — Data Link

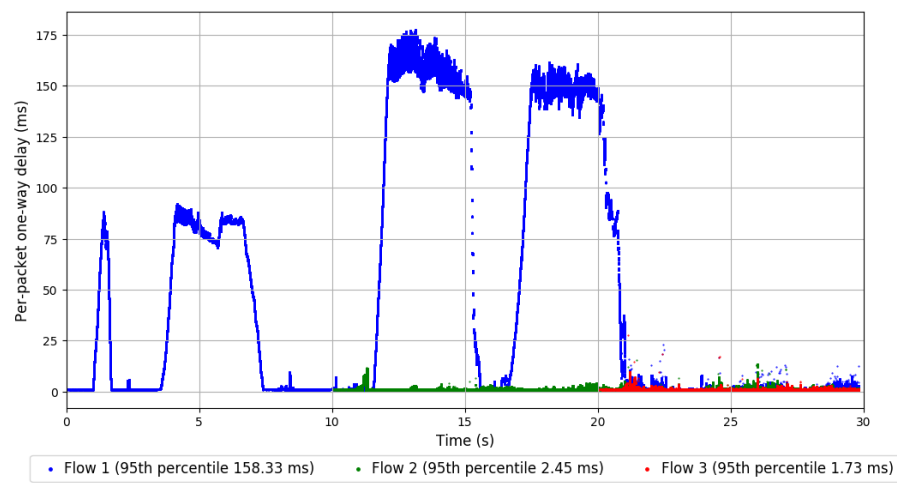
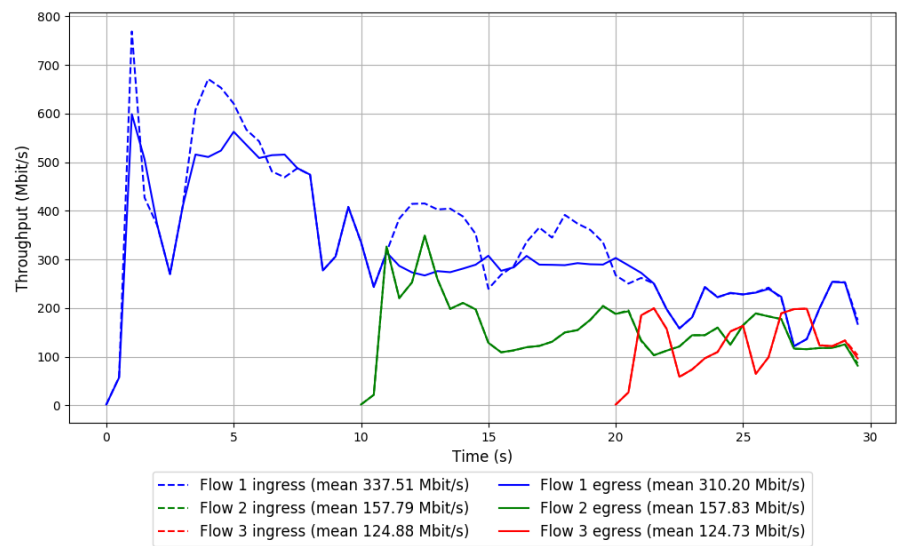


Run 6: Statistics of Vivace-loss

Start at: 2018-01-17 01:15:38
End at: 2018-01-17 01:16:08
Local clock offset: -5.232 ms
Remote clock offset: -1.655 ms

Below is generated by plot.py at 2018-01-17 10:41:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 456.02 Mbit/s
95th percentile per-packet one-way delay: 154.729 ms
Loss rate: 5.74%
-- Flow 1:
Average throughput: 310.20 Mbit/s
95th percentile per-packet one-way delay: 158.332 ms
Loss rate: 8.17%
-- Flow 2:
Average throughput: 157.83 Mbit/s
95th percentile per-packet one-way delay: 2.450 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 124.73 Mbit/s
95th percentile per-packet one-way delay: 1.732 ms
Loss rate: 0.30%

Run 6: Report of Vivace-loss — Data Link

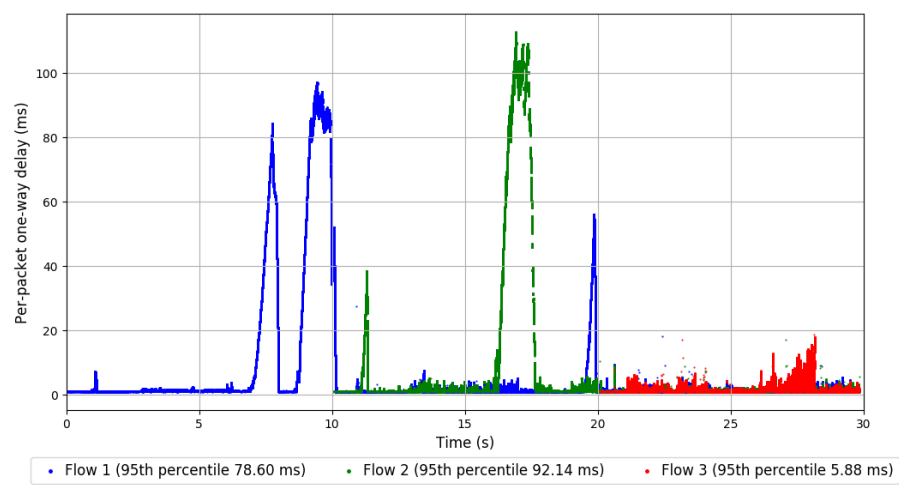
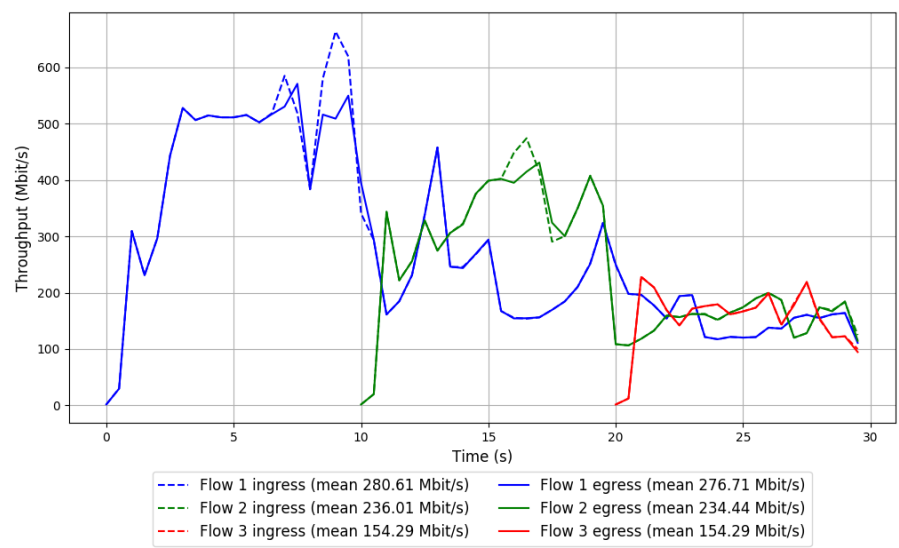


Run 7: Statistics of Vivace-loss

Start at: 2018-01-17 01:42:45
End at: 2018-01-17 01:43:15
Local clock offset: -4.87 ms
Remote clock offset: -1.607 ms

Below is generated by plot.py at 2018-01-17 10:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 482.91 Mbit/s
95th percentile per-packet one-way delay: 80.859 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 276.71 Mbit/s
95th percentile per-packet one-way delay: 78.596 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 234.44 Mbit/s
95th percentile per-packet one-way delay: 92.142 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 154.29 Mbit/s
95th percentile per-packet one-way delay: 5.875 ms
Loss rate: 0.19%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-01-17 02:10:11

End at: 2018-01-17 02:10:41

Local clock offset: -3.528 ms

Remote clock offset: -2.02 ms

Below is generated by plot.py at 2018-01-17 10:43:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 488.15 Mbit/s

95th percentile per-packet one-way delay: 91.030 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 287.84 Mbit/s

95th percentile per-packet one-way delay: 91.529 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 208.20 Mbit/s

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

Loss rate: 0.06%

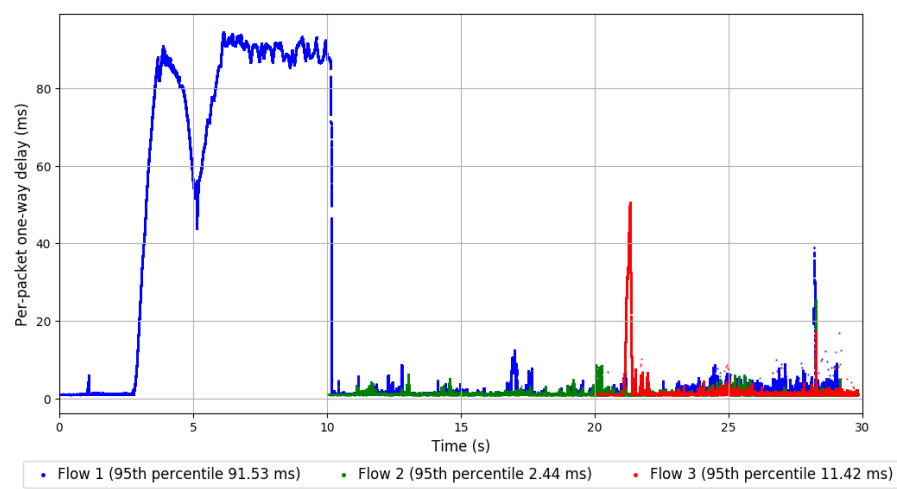
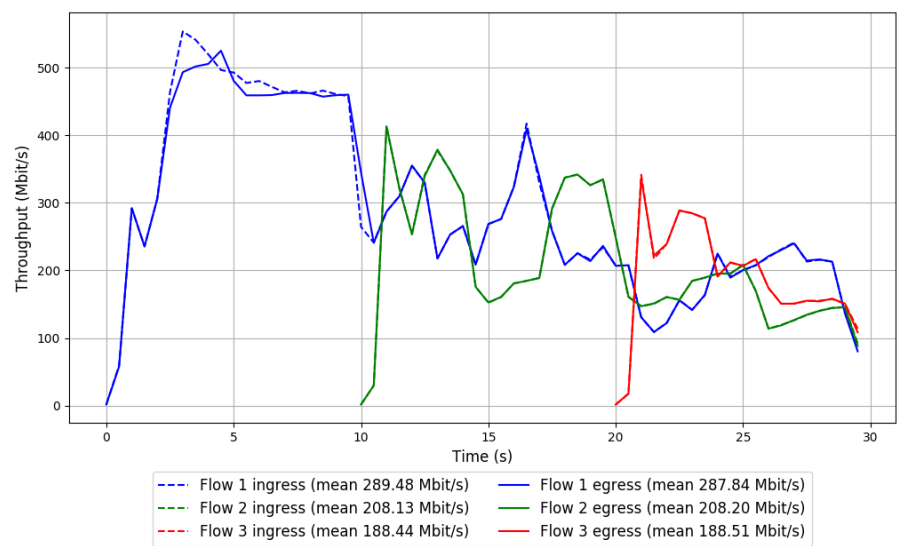
-- Flow 3:

Average throughput: 188.51 Mbit/s

95th percentile per-packet one-way delay: 11.418 ms

Loss rate: 0.15%

Run 8: Report of Vivace-loss — Data Link

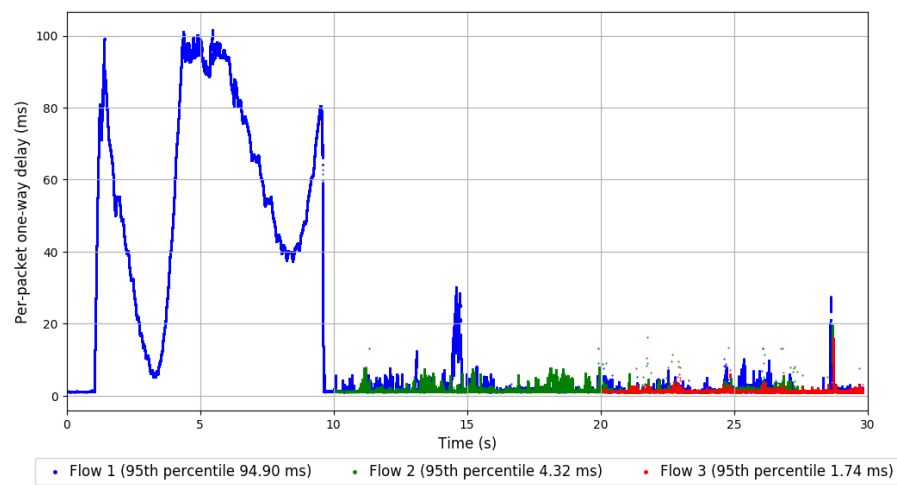
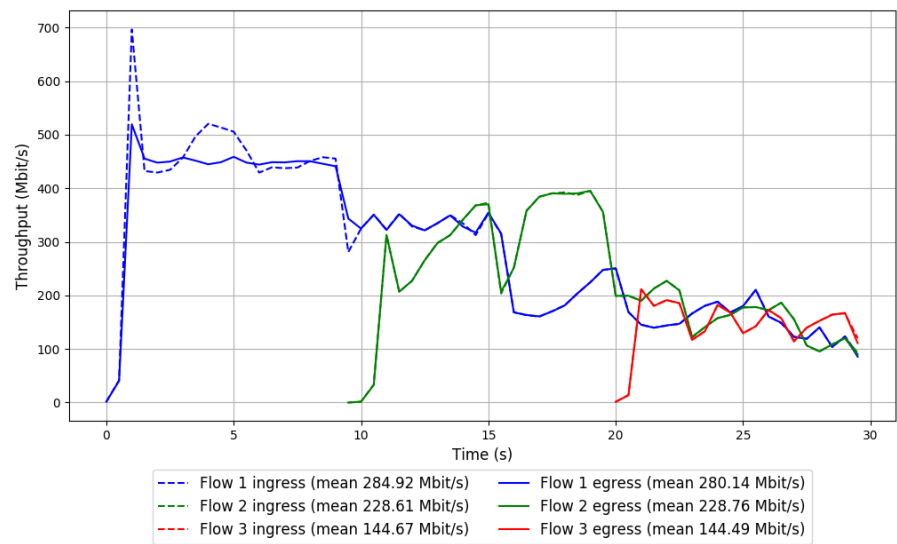


Run 9: Statistics of Vivace-loss

Start at: 2018-01-17 02:37:37
End at: 2018-01-17 02:38:07
Local clock offset: -2.62 ms
Remote clock offset: -2.085 ms

Below is generated by plot.py at 2018-01-17 10:47:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.72 Mbit/s
95th percentile per-packet one-way delay: 92.195 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 280.14 Mbit/s
95th percentile per-packet one-way delay: 94.900 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 228.76 Mbit/s
95th percentile per-packet one-way delay: 4.315 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 144.49 Mbit/s
95th percentile per-packet one-way delay: 1.743 ms
Loss rate: 0.32%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-01-17 03:05:09

End at: 2018-01-17 03:05:39

Local clock offset: -1.074 ms

Remote clock offset: -2.16 ms

Below is generated by plot.py at 2018-01-17 10:47:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 449.02 Mbit/s

95th percentile per-packet one-way delay: 94.456 ms

Loss rate: 2.71%

-- Flow 1:

Average throughput: 257.79 Mbit/s

95th percentile per-packet one-way delay: 93.192 ms

Loss rate: 3.05%

-- Flow 2:

Average throughput: 211.81 Mbit/s

95th percentile per-packet one-way delay: 147.801 ms

Loss rate: 2.93%

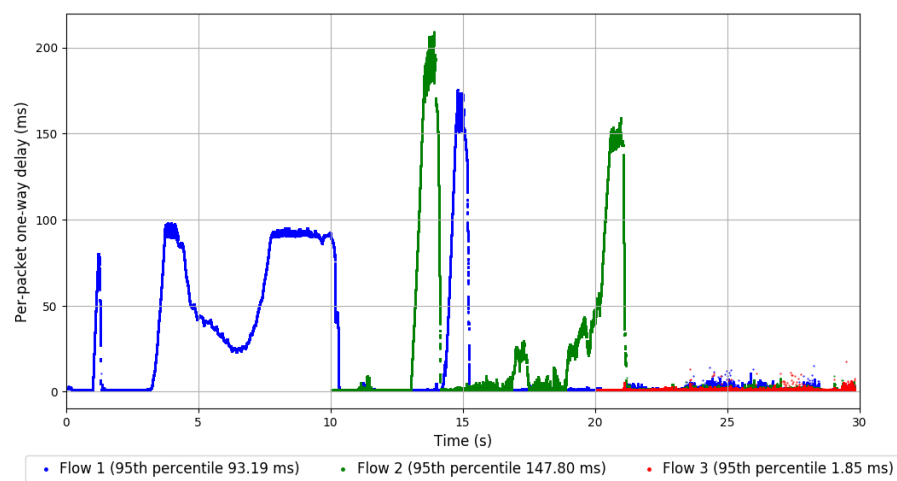
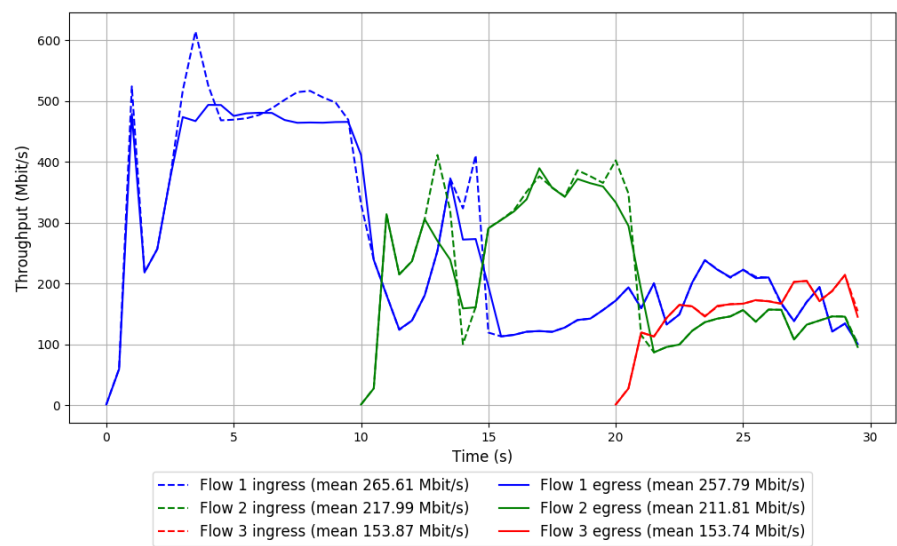
-- Flow 3:

Average throughput: 153.74 Mbit/s

95th percentile per-packet one-way delay: 1.855 ms

Loss rate: 0.31%

Run 10: Report of Vivace-loss — Data Link



Run 1: Statistics of Vivace-LTE

Start at: 2018-01-16 23:09:58

End at: 2018-01-16 23:10:28

Local clock offset: -5.061 ms

Remote clock offset: -4.232 ms

Run 1: Report of Vivace-LTE — Data Link

Figure is missing

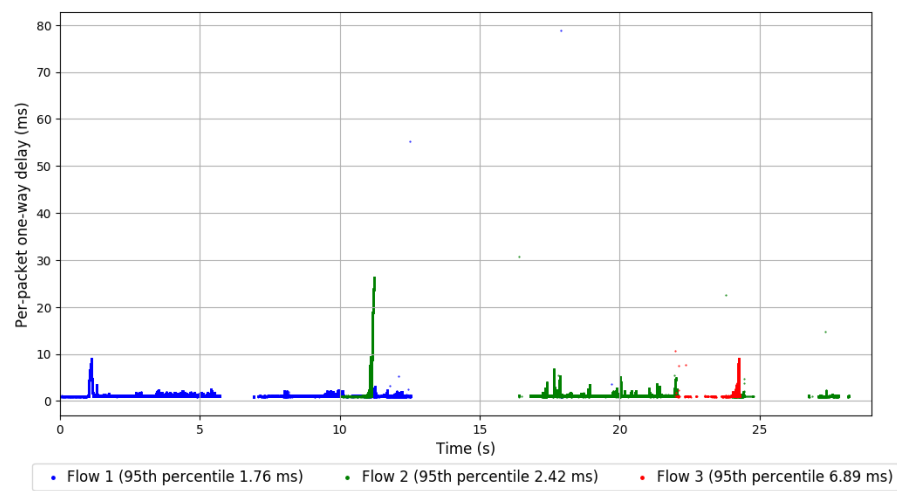
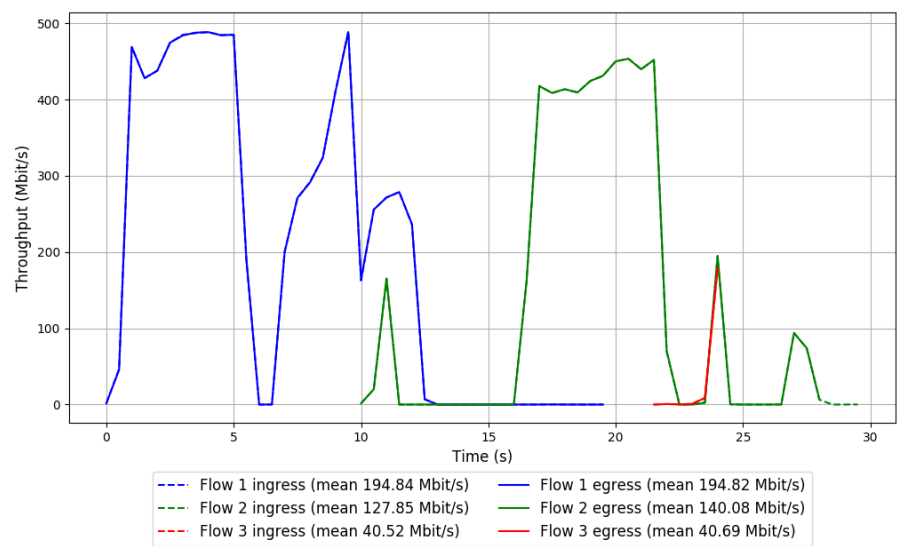
Figure is missing

Run 2: Statistics of Vivace-LTE

Start at: 2018-01-16 23:36:59
End at: 2018-01-16 23:37:29
Local clock offset: -5.09 ms
Remote clock offset: -3.379 ms

Below is generated by plot.py at 2018-01-17 10:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.83 Mbit/s
95th percentile per-packet one-way delay: 1.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.82 Mbit/s
95th percentile per-packet one-way delay: 1.763 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 140.08 Mbit/s
95th percentile per-packet one-way delay: 2.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 6.886 ms
Loss rate: 0.00%

Run 2: Report of Vivace-LTE — Data Link

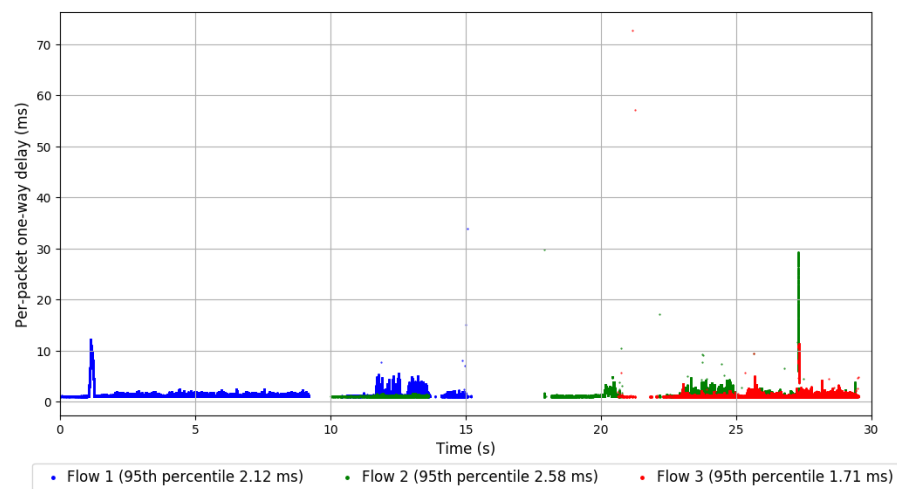
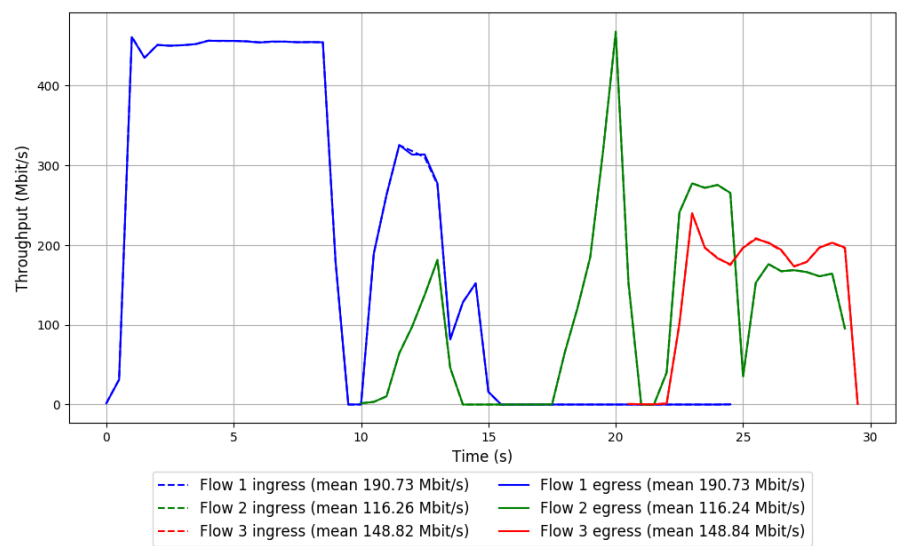


Run 3: Statistics of Vivace-LTE

Start at: 2018-01-17 00:04:12
End at: 2018-01-17 00:04:42
Local clock offset: -5.193 ms
Remote clock offset: -3.267 ms

Below is generated by plot.py at 2018-01-17 10:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.75 Mbit/s
95th percentile per-packet one-way delay: 2.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.73 Mbit/s
95th percentile per-packet one-way delay: 2.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.24 Mbit/s
95th percentile per-packet one-way delay: 2.583 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.84 Mbit/s
95th percentile per-packet one-way delay: 1.711 ms
Loss rate: 0.00%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-01-17 00:31:38

End at: 2018-01-17 00:32:08

Local clock offset: -5.216 ms

Remote clock offset: -2.37 ms

Below is generated by plot.py at 2018-01-17 10:47:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.29 Mbit/s

95th percentile per-packet one-way delay: 5.348 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 230.66 Mbit/s

95th percentile per-packet one-way delay: 6.828 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 165.55 Mbit/s

95th percentile per-packet one-way delay: 3.935 ms

Loss rate: 0.01%

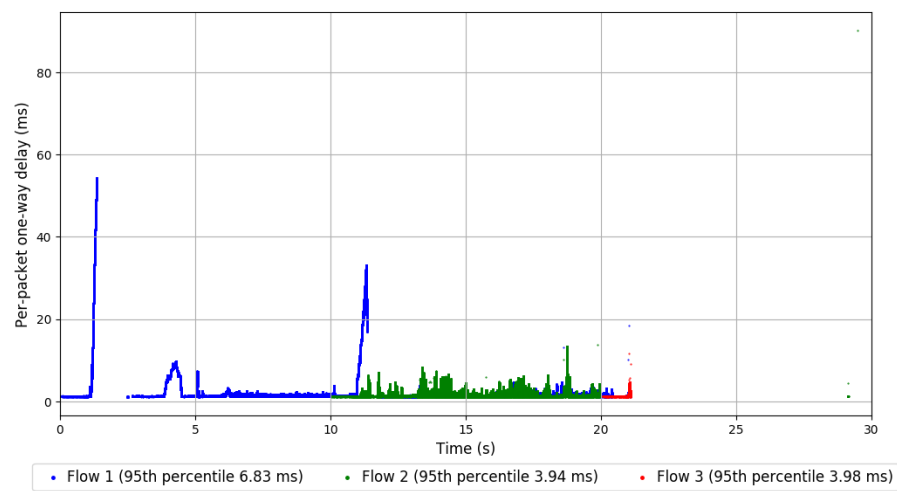
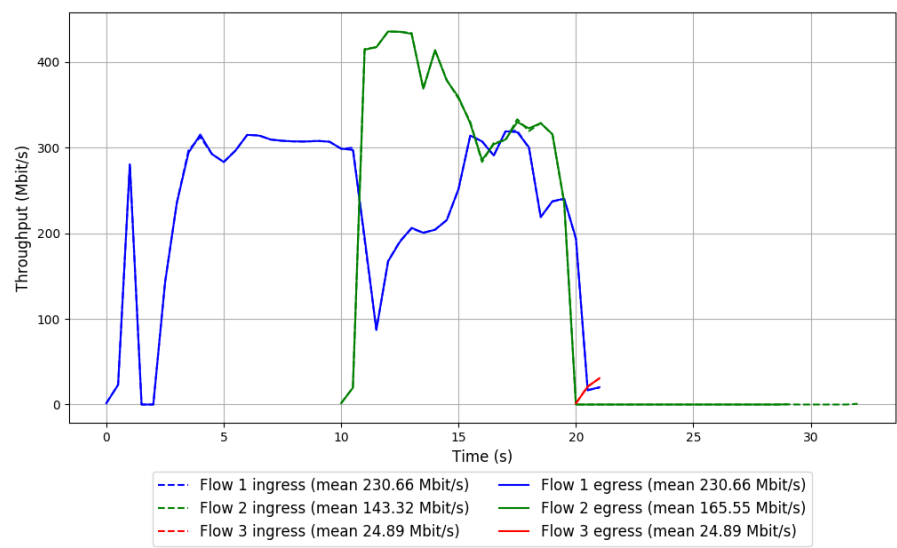
-- Flow 3:

Average throughput: 24.89 Mbit/s

95th percentile per-packet one-way delay: 3.978 ms

Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

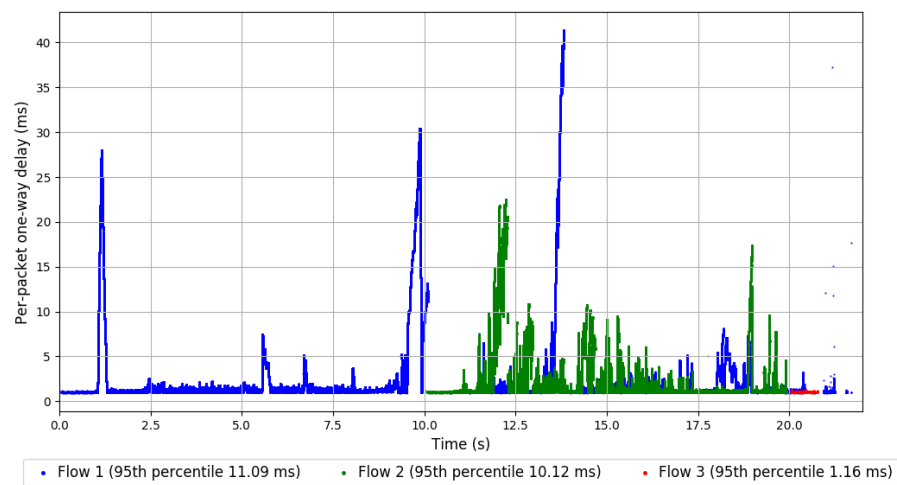
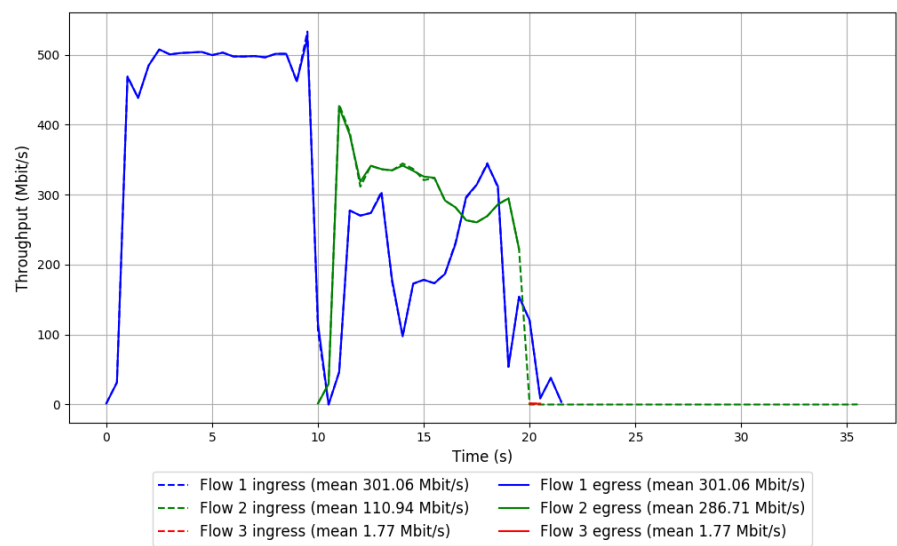
Start at: 2018-01-17 00:59:16

End at: 2018-01-17 00:59:46

Local clock offset: -5.326 ms

Remote clock offset: -1.98 ms

Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

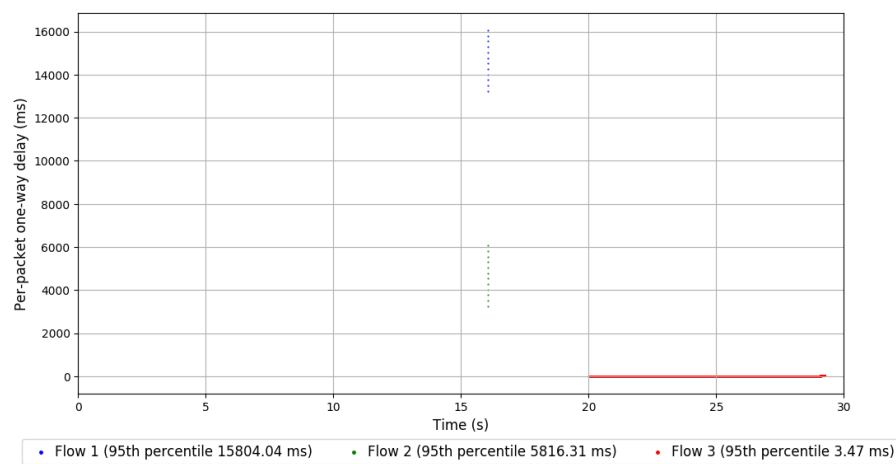
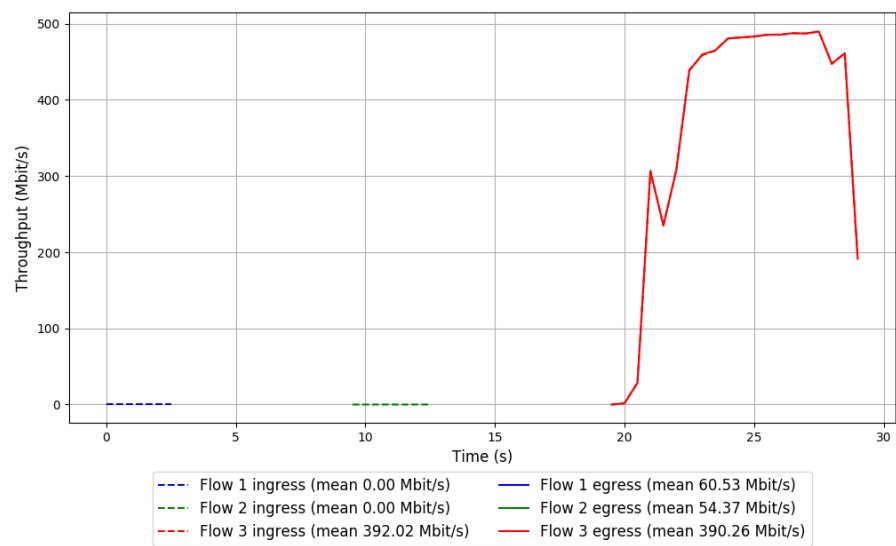
Start at: 2018-01-17 01:26:42

End at: 2018-01-17 01:27:12

Local clock offset: -5.273 ms

Remote clock offset: -1.618 ms

Run 6: Report of Vivace-LTE — Data Link

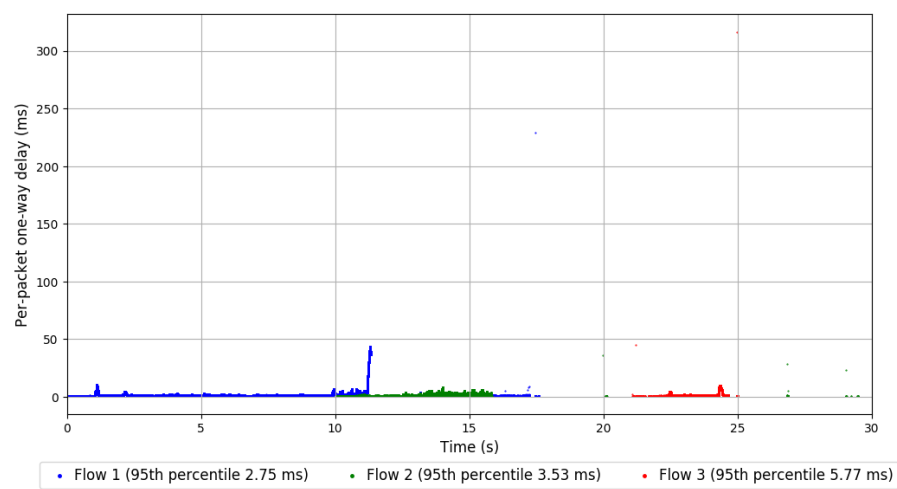
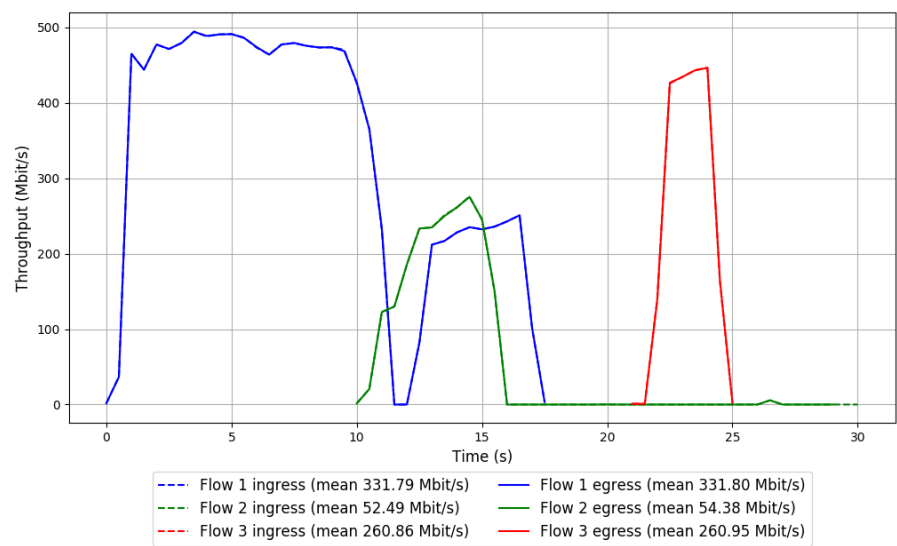


Run 7: Statistics of Vivace-LTE

Start at: 2018-01-17 01:53:55
End at: 2018-01-17 01:54:25
Local clock offset: -4.471 ms
Remote clock offset: -1.653 ms

Below is generated by plot.py at 2018-01-17 10:49:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 268.75 Mbit/s
95th percentile per-packet one-way delay: 3.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 331.80 Mbit/s
95th percentile per-packet one-way delay: 2.753 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.38 Mbit/s
95th percentile per-packet one-way delay: 3.529 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 260.95 Mbit/s
95th percentile per-packet one-way delay: 5.774 ms
Loss rate: 0.00%

Run 7: Report of Vivace-LTE — Data Link

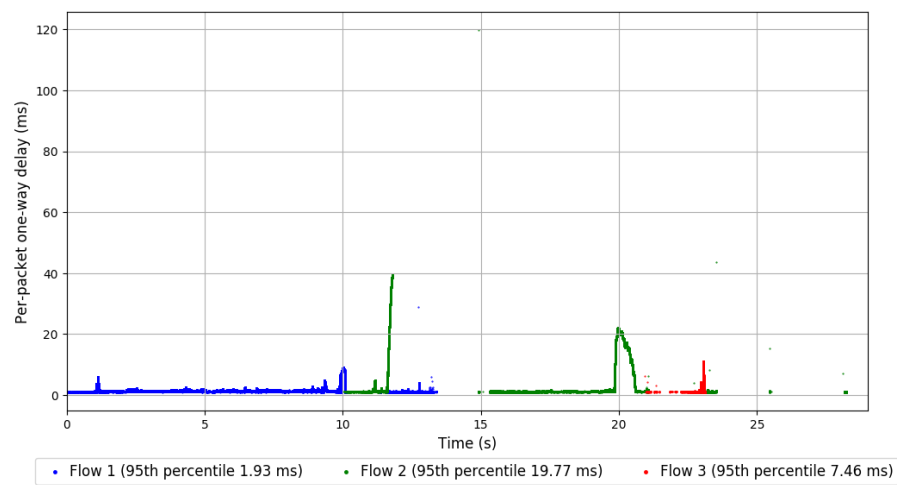
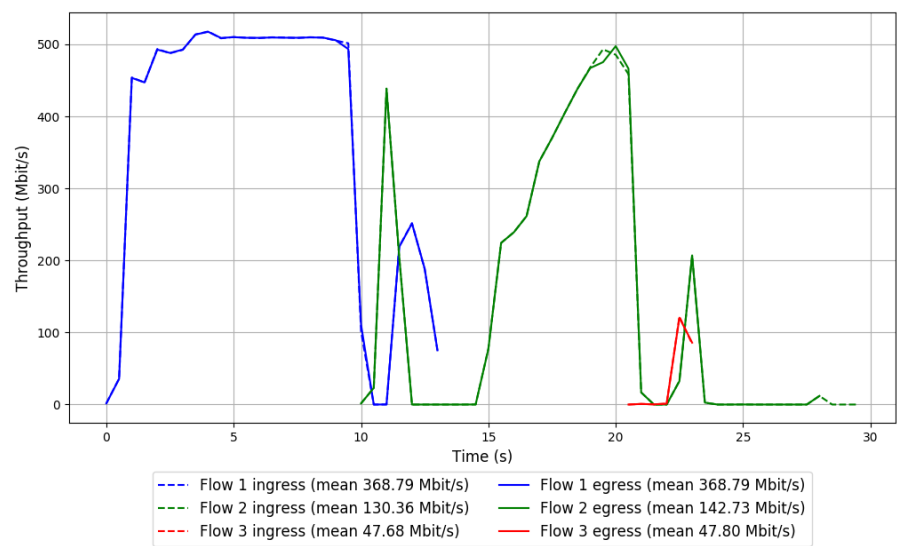


Run 8: Statistics of Vivace-LTE

Start at: 2018-01-17 02:21:17
End at: 2018-01-17 02:21:47
Local clock offset: -2.992 ms
Remote clock offset: -1.718 ms

Below is generated by plot.py at 2018-01-17 10:49:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.60 Mbit/s
95th percentile per-packet one-way delay: 8.634 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 368.79 Mbit/s
95th percentile per-packet one-way delay: 1.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 142.73 Mbit/s
95th percentile per-packet one-way delay: 19.772 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.80 Mbit/s
95th percentile per-packet one-way delay: 7.455 ms
Loss rate: 0.00%

Run 8: Report of Vivace-LTE — Data Link

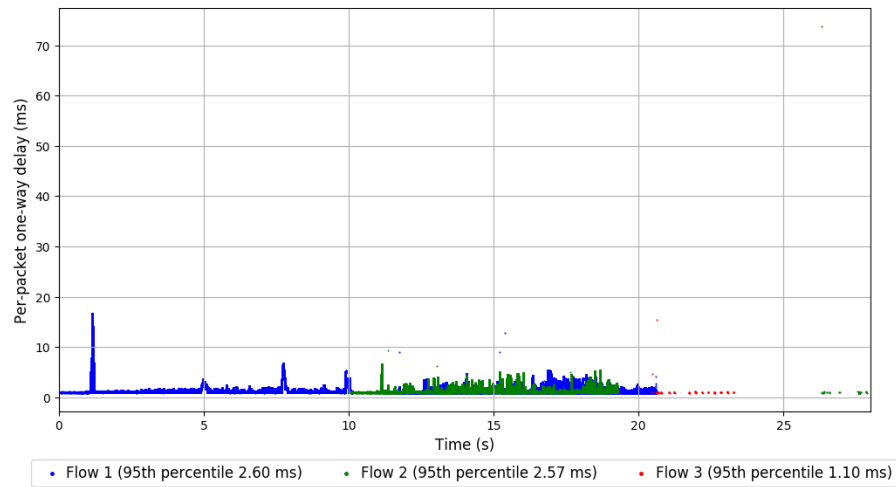
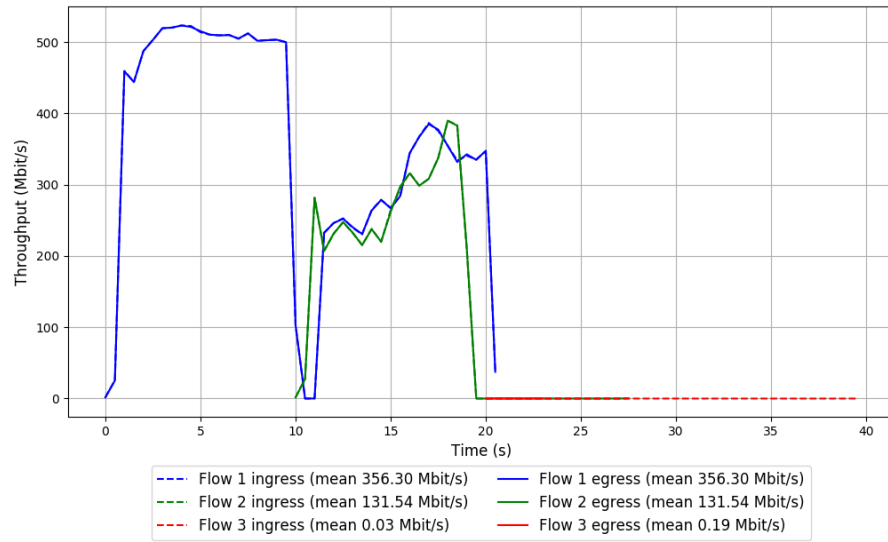


Run 9: Statistics of Vivace-LTE

Start at: 2018-01-17 02:48:38
End at: 2018-01-17 02:49:08
Local clock offset: -2.056 ms
Remote clock offset: -2.104 ms

Below is generated by plot.py at 2018-01-17 10:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.66 Mbit/s
95th percentile per-packet one-way delay: 2.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 356.30 Mbit/s
95th percentile per-packet one-way delay: 2.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 131.54 Mbit/s
95th percentile per-packet one-way delay: 2.572 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 1.100 ms
Loss rate: 0.41%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-01-17 03:16:15
End at: 2018-01-17 03:16:45
Local clock offset: -1.003 ms
Remote clock offset: -2.412 ms

Below is generated by plot.py at 2018-01-17 10:50:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.64 Mbit/s
95th percentile per-packet one-way delay: 4.613 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 286.85 Mbit/s
95th percentile per-packet one-way delay: 11.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 133.32 Mbit/s
95th percentile per-packet one-way delay: 2.241 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 112.01 Mbit/s
95th percentile per-packet one-way delay: 2.435 ms
Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

