

Pantheon Report

Generated at 2018-02-13 21:09:38 (UTC).

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

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).

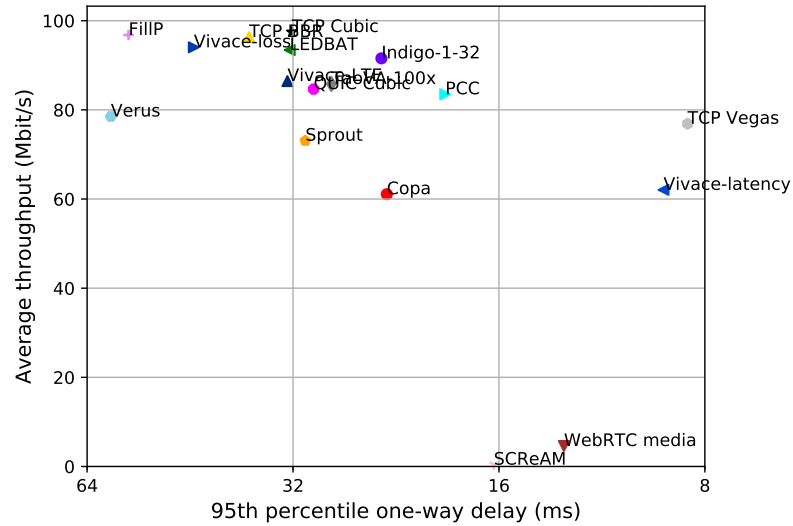
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

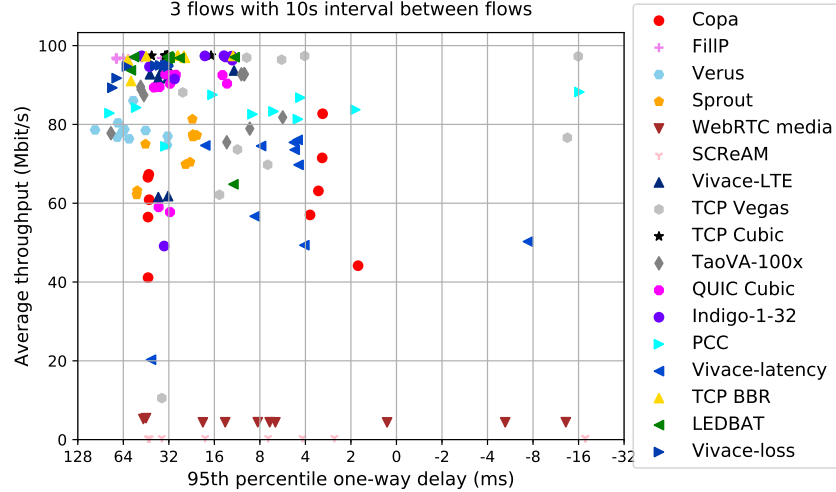
Git summary:

```
branch: master @ 2efdad57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



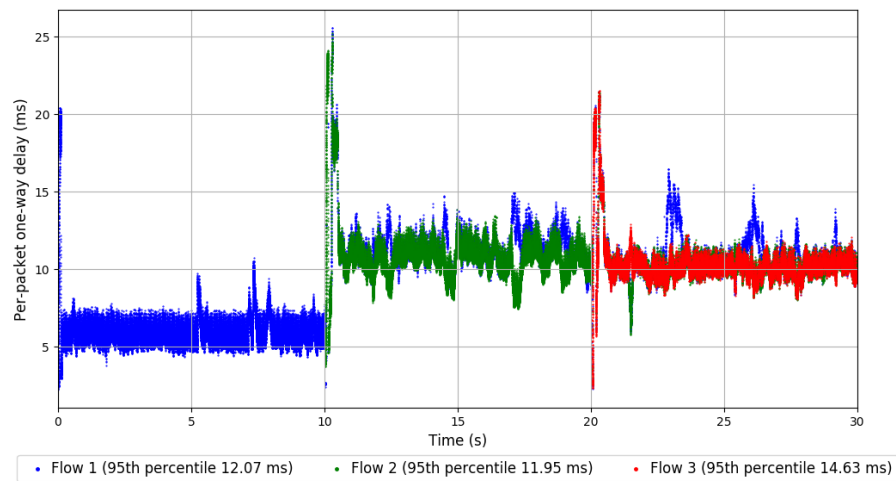
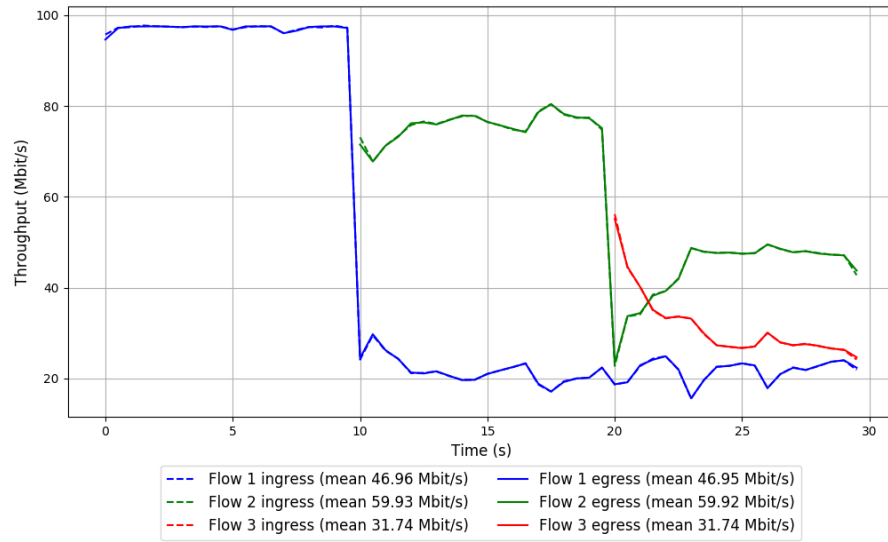
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	56.99	41.51	35.26	29.52	29.98	34.62	1.27	0.45	2.08
TCP Cubic	10	66.66	36.49	19.70	32.16	31.68	44.04	0.03	0.06	2.66
LEDBAT	10	62.85	31.52	28.90	33.16	42.24	37.83	0.86	1.90	2.53
PCC	10	66.58	17.75	15.49	18.20	22.32	15.82	0.41	1.53	1.15
QUIC Cubic	10	47.64	42.06	27.72	36.45	28.58	33.56	2.15	0.22	0.31
SCReAM	10	0.22	0.18	0.22	2.44	17.01	7.68	0.00	3.27	0.03
WebRTC media	10	2.34	1.67	0.58	5.79	10.80	9.10	0.00	1.72	1.01
Sprout	10	42.21	33.73	25.52	19.86	27.85	33.88	0.00	1.88	2.18
TaoVA-100x	10	51.71	34.55	32.89	20.21	20.88	26.08	1.99	2.03	2.18
TCP Vegas	10	43.28	32.53	35.96	7.62	9.54	12.03	0.01	0.02	1.03
Verus	10	49.58	30.74	26.42	42.71	43.66	47.67	25.65	30.07	28.68
Copa	10	29.54	35.05	24.71	11.55	7.11	15.52	1.63	0.81	2.80
FillP	10	59.79	38.46	34.60	41.63	45.37	43.43	17.26	25.94	33.19
Indigo-1-32	10	43.08	45.32	56.65	18.75	13.18	17.68	1.00	0.01	0.99
Vivace-latency	10	33.31	36.24	14.07	15.51	7.97	19.22	1.73	0.07	2.78
Vivace-loss	10	70.64	26.73	17.25	42.05	40.78	37.00	3.27	2.82	2.72
Vivace-LTE	10	50.88	41.36	24.45	35.59	35.03	35.27	1.85	1.51	1.69

Run 1: Statistics of TCP BBR

Start at: 2018-02-13 17:02:59
End at: 2018-02-13 17:03:29
Local clock offset: -5.165 ms
Remote clock offset: -5.367 ms

Below is generated by plot.py at 2018-02-13 20:44:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 12.067 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 11.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 14.630 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

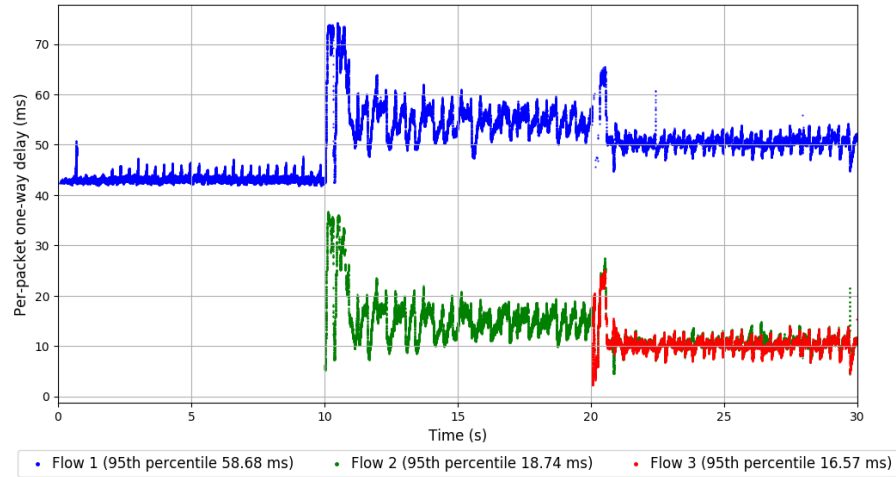
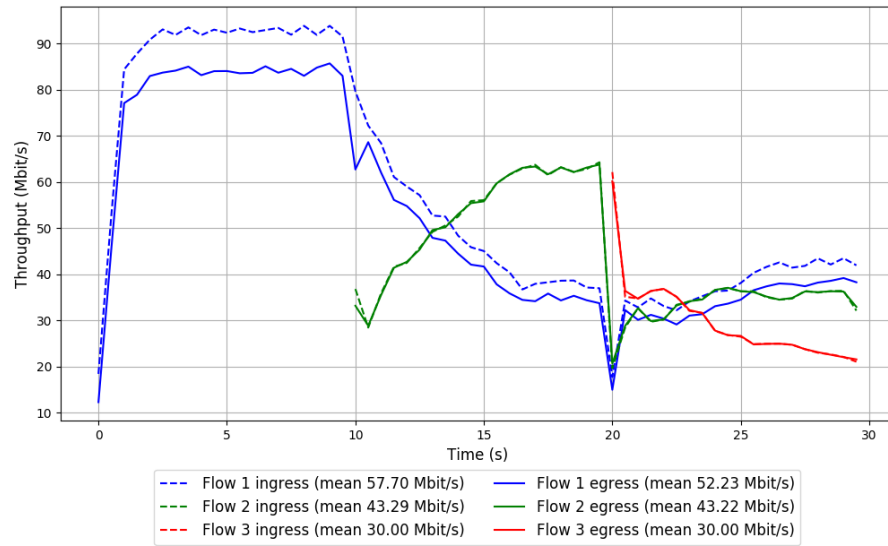


Run 2: Statistics of TCP BBR

Start at: 2018-02-13 17:23:29
End at: 2018-02-13 17:23:59
Local clock offset: -4.353 ms
Remote clock offset: -4.682 ms

Below is generated by plot.py at 2018-02-13 20:44:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.02 Mbit/s
95th percentile per-packet one-way delay: 56.927 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 58.676 ms
Loss rate: 9.58%
-- Flow 2:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 18.744 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 16.566 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

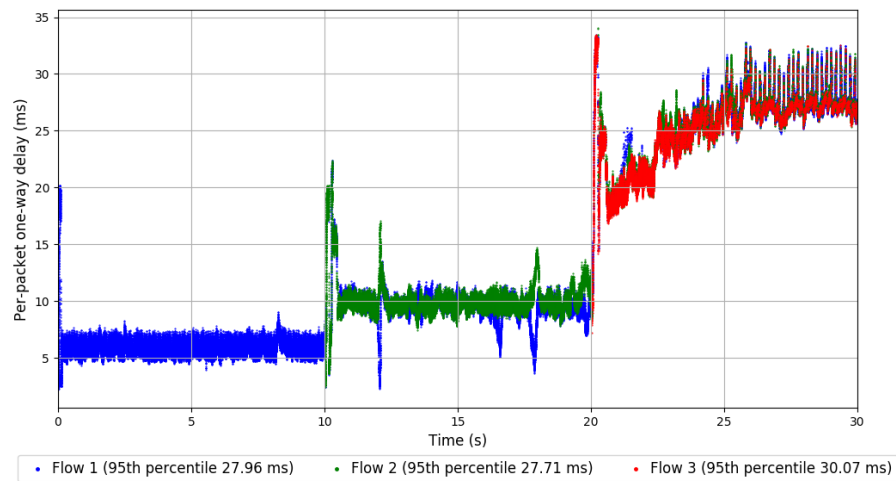
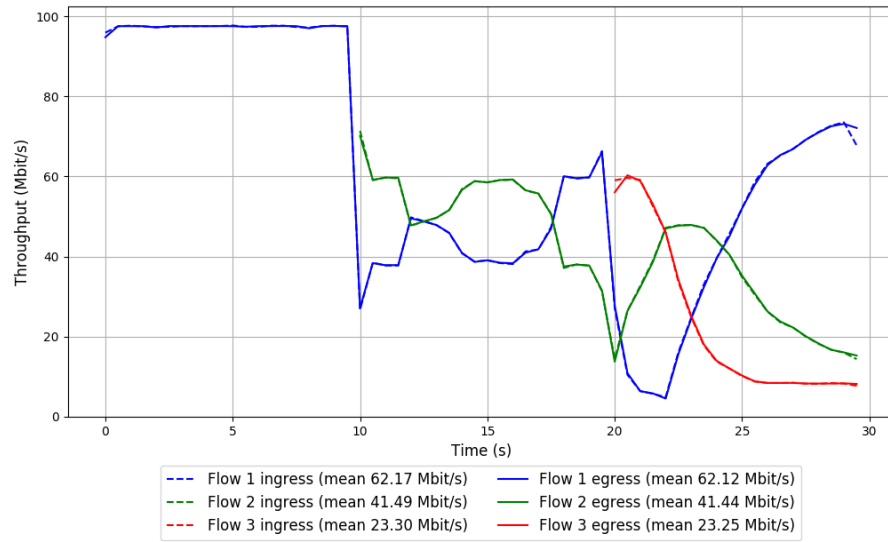


Run 3: Statistics of TCP BBR

Start at: 2018-02-13 17:43:55
End at: 2018-02-13 17:44:25
Local clock offset: -3.471 ms
Remote clock offset: -4.425 ms

Below is generated by plot.py at 2018-02-13 20:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 27.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 27.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 27.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 30.067 ms
Loss rate: 0.03%

Run 3: Report of TCP BBR — Data Link

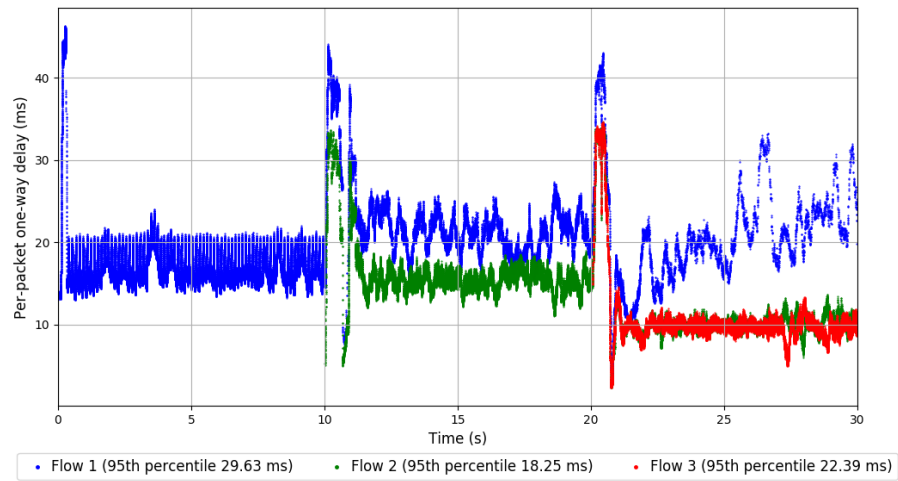
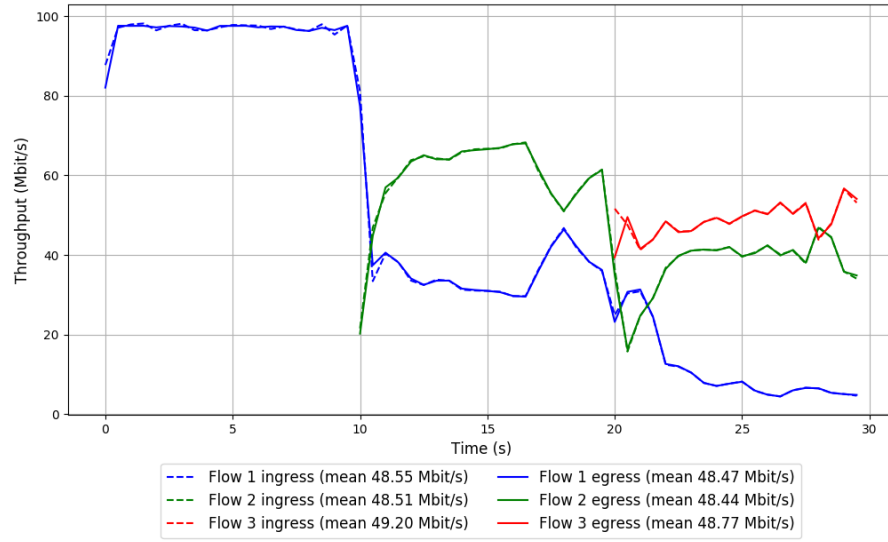


Run 4: Statistics of TCP BBR

Start at: 2018-02-13 18:04:23
End at: 2018-02-13 18:04:53
Local clock offset: -4.0 ms
Remote clock offset: -4.314 ms

Below is generated by plot.py at 2018-02-13 20:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 25.079 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 29.632 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 18.255 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 48.77 Mbit/s
95th percentile per-packet one-way delay: 22.386 ms
Loss rate: 0.94%

Run 4: Report of TCP BBR — Data Link

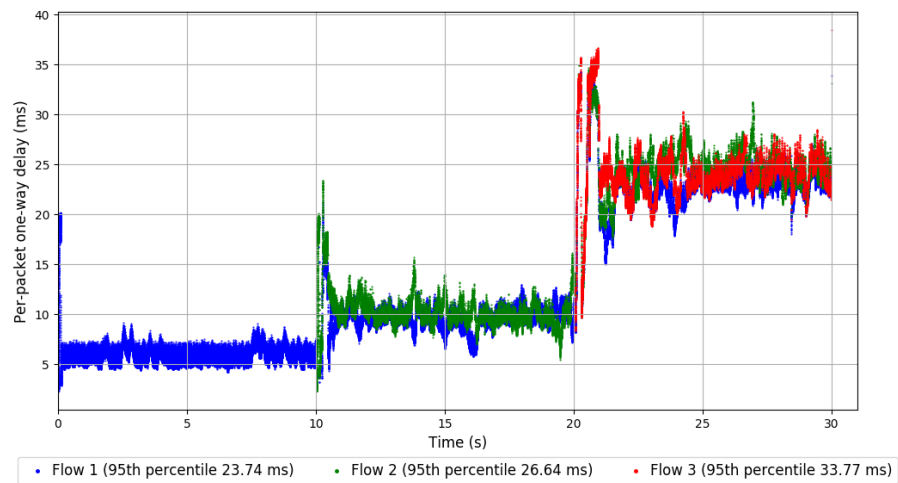
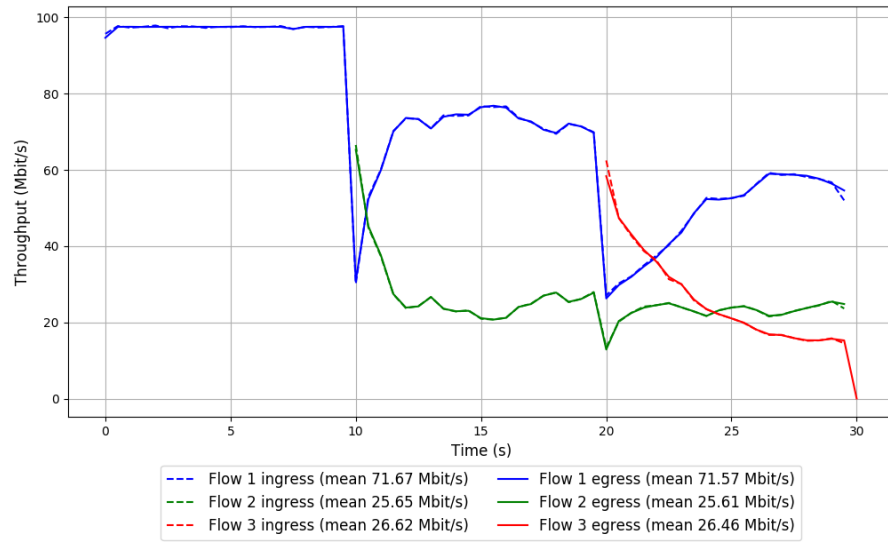


Run 5: Statistics of TCP BBR

Start at: 2018-02-13 18:24:49
End at: 2018-02-13 18:25:19
Local clock offset: -3.979 ms
Remote clock offset: -4.144 ms

Below is generated by plot.py at 2018-02-13 20:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 25.429 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 71.57 Mbit/s
95th percentile per-packet one-way delay: 23.737 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 26.638 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 33.771 ms
Loss rate: 0.35%

Run 5: Report of TCP BBR — Data Link

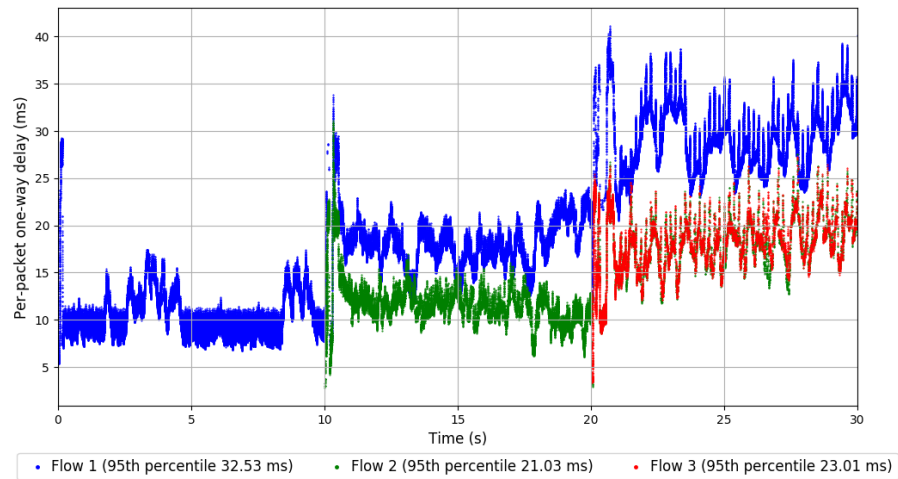
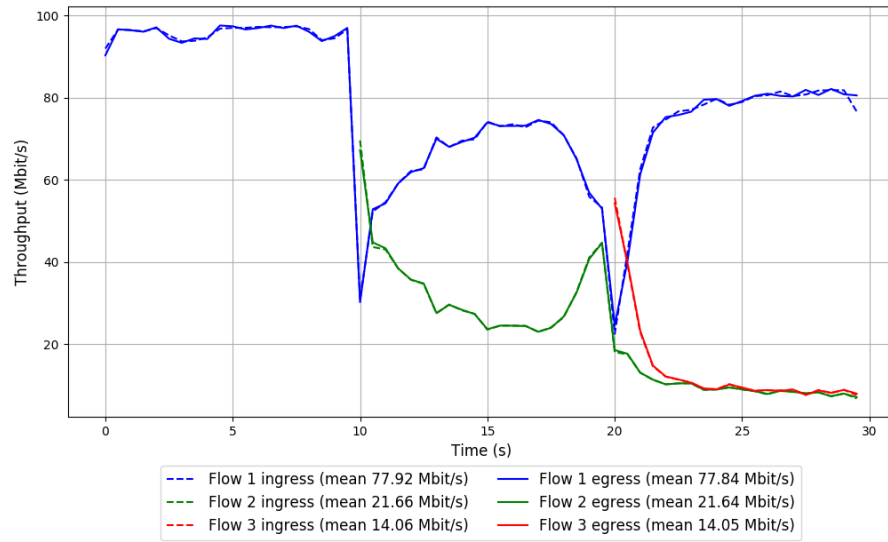


Run 6: Statistics of TCP BBR

Start at: 2018-02-13 18:45:15
End at: 2018-02-13 18:45:45
Local clock offset: -4.691 ms
Remote clock offset: -4.028 ms

Below is generated by plot.py at 2018-02-13 20:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 32.134 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 32.533 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 21.029 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.05 Mbit/s
95th percentile per-packet one-way delay: 23.009 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

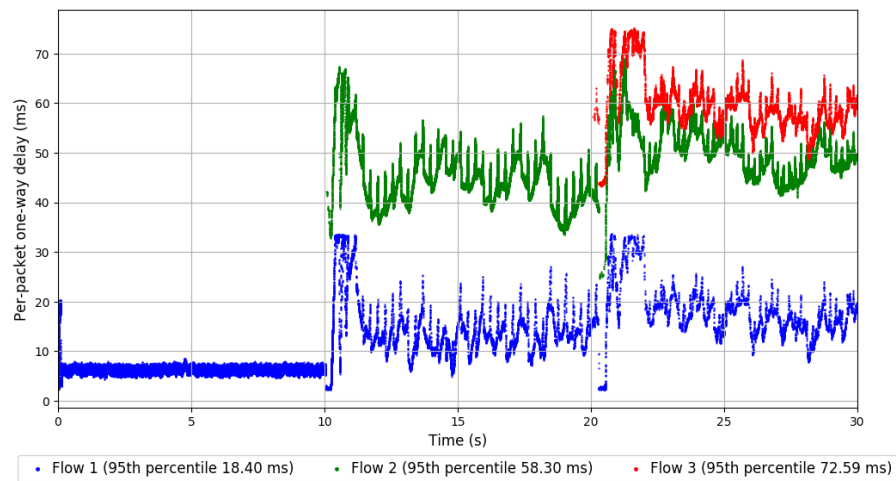
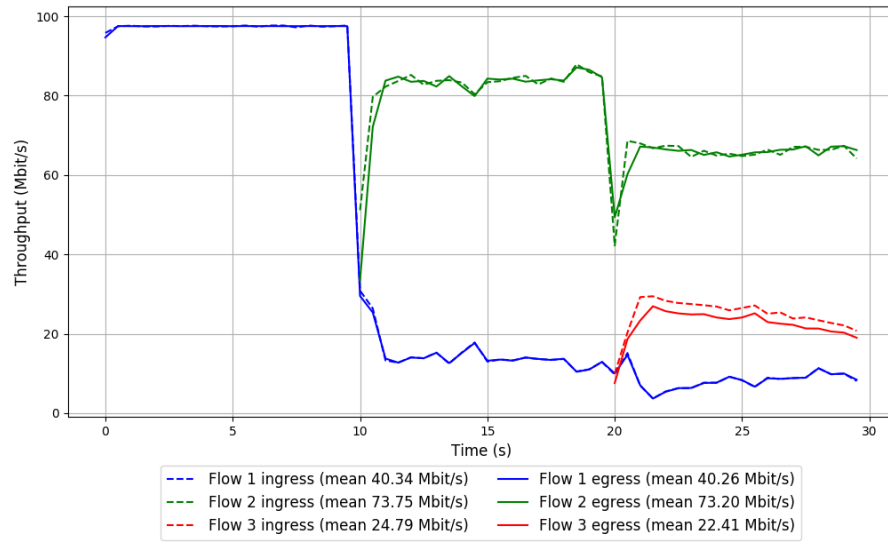


Run 7: Statistics of TCP BBR

Start at: 2018-02-13 19:05:48
End at: 2018-02-13 19:06:18
Local clock offset: -4.502 ms
Remote clock offset: -4.214 ms

Below is generated by plot.py at 2018-02-13 20:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 59.924 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 40.26 Mbit/s
95th percentile per-packet one-way delay: 18.403 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 73.20 Mbit/s
95th percentile per-packet one-way delay: 58.301 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: 72.590 ms
Loss rate: 9.92%

Run 7: Report of TCP BBR — Data Link

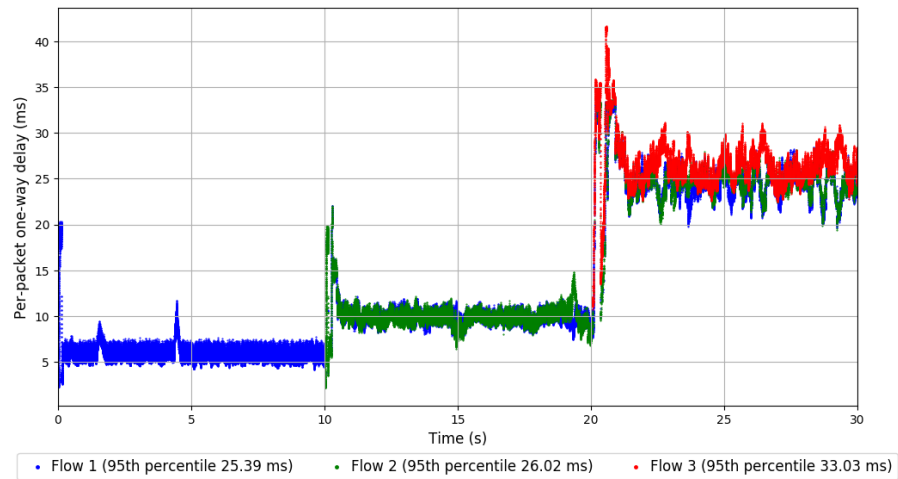
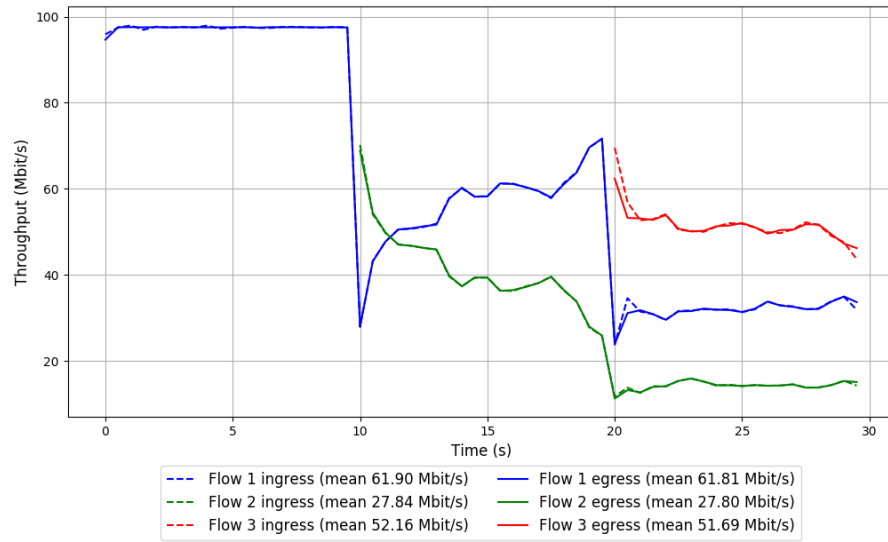


Run 8: Statistics of TCP BBR

Start at: 2018-02-13 19:26:17
End at: 2018-02-13 19:26:47
Local clock offset: -4.237 ms
Remote clock offset: -4.181 ms

Below is generated by plot.py at 2018-02-13 20:44:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 27.881 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 25.389 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 26.019 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 51.69 Mbit/s
95th percentile per-packet one-way delay: 33.028 ms
Loss rate: 0.77%

Run 8: Report of TCP BBR — Data Link

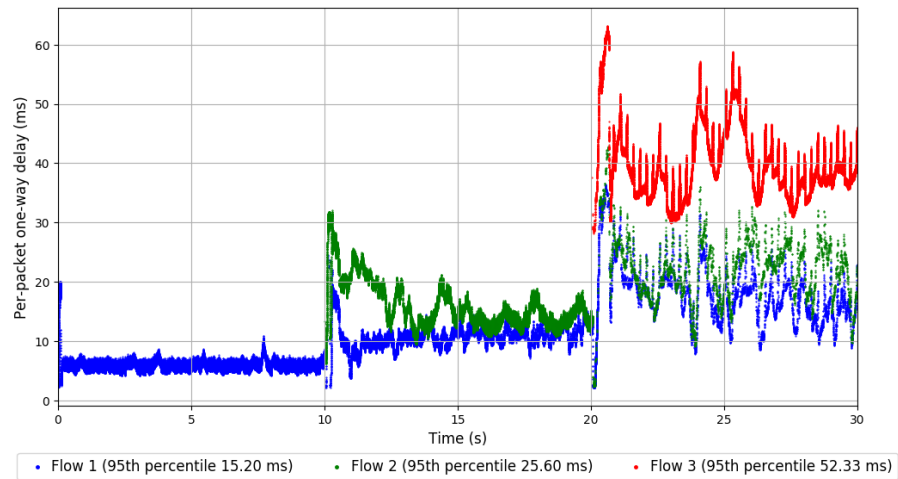
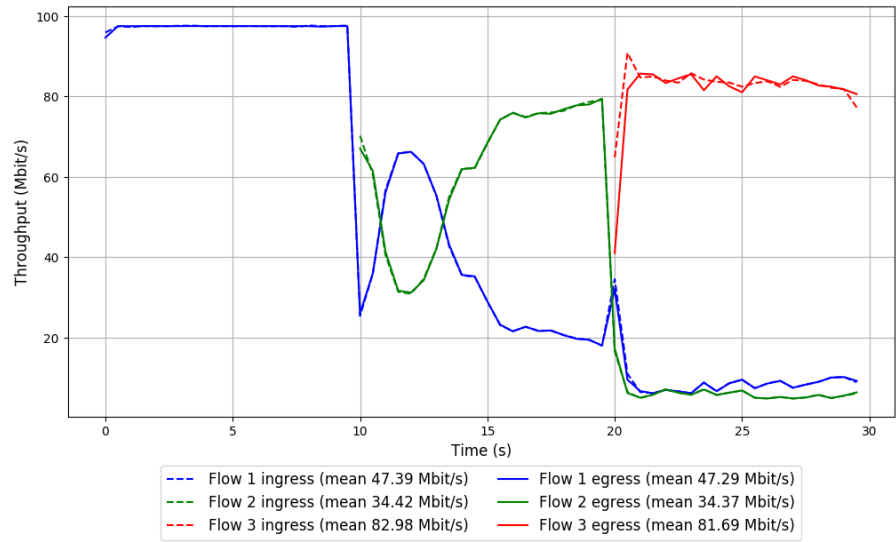


Run 9: Statistics of TCP BBR

Start at: 2018-02-13 19:46:45
End at: 2018-02-13 19:47:15
Local clock offset: -5.258 ms
Remote clock offset: -3.568 ms

Below is generated by plot.py at 2018-02-13 20:45:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 45.195 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 15.195 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 34.37 Mbit/s
95th percentile per-packet one-way delay: 25.600 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 81.69 Mbit/s
95th percentile per-packet one-way delay: 52.328 ms
Loss rate: 1.70%

Run 9: Report of TCP BBR — Data Link

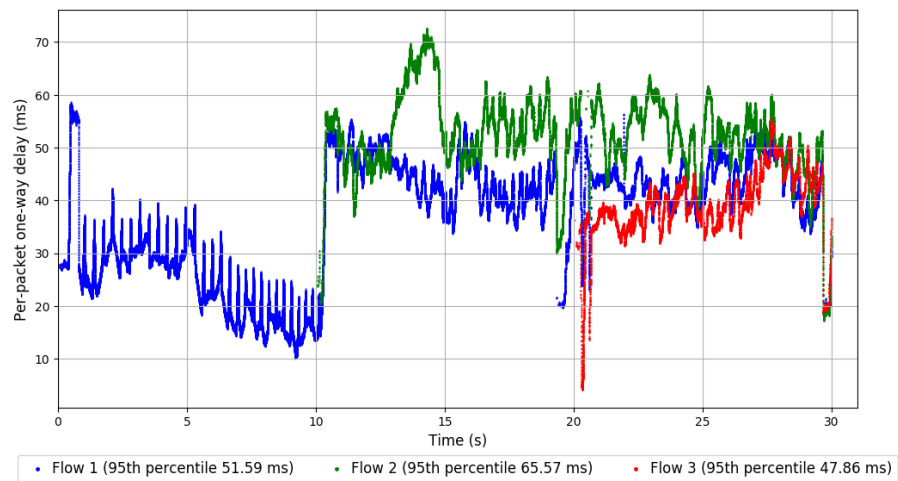
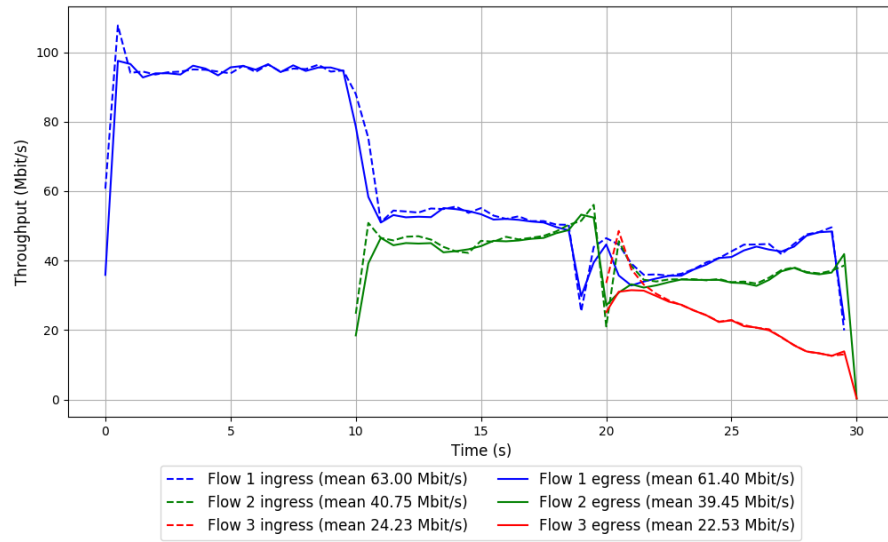


Run 10: Statistics of TCP BBR

Start at: 2018-02-13 20:07:18
End at: 2018-02-13 20:07:48
Local clock offset: 14.546 ms
Remote clock offset: -4.683 ms

Below is generated by plot.py at 2018-02-13 20:45:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 58.393 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 61.40 Mbit/s
95th percentile per-packet one-way delay: 51.592 ms
Loss rate: 2.57%
-- Flow 2:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 65.572 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 22.53 Mbit/s
95th percentile per-packet one-way delay: 47.861 ms
Loss rate: 7.06%

Run 10: Report of TCP BBR — Data Link

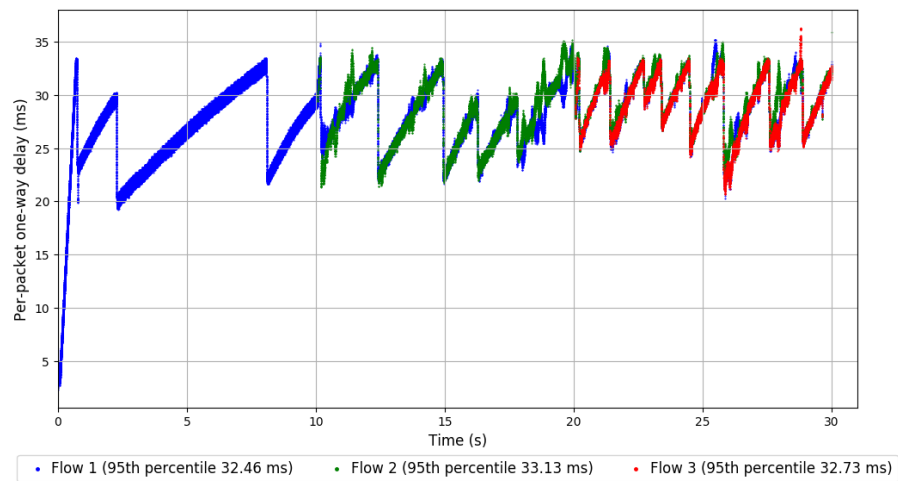
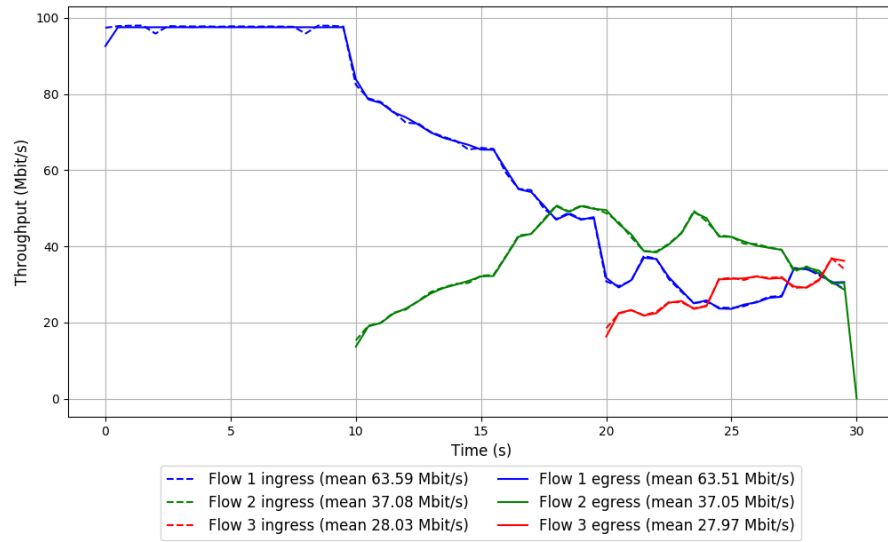


Run 1: Statistics of TCP Cubic

Start at: 2018-02-13 16:55:06
End at: 2018-02-13 16:55:36
Local clock offset: -5.187 ms
Remote clock offset: -5.217 ms

Below is generated by plot.py at 2018-02-13 20:45:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.712 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.51 Mbit/s
95th percentile per-packet one-way delay: 32.457 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 33.128 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 27.97 Mbit/s
95th percentile per-packet one-way delay: 32.729 ms
Loss rate: 0.17%

Run 1: Report of TCP Cubic — Data Link

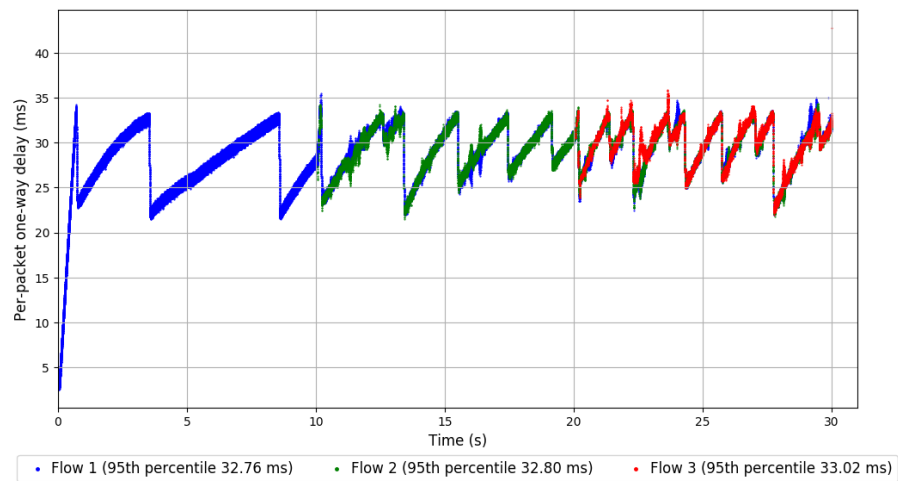
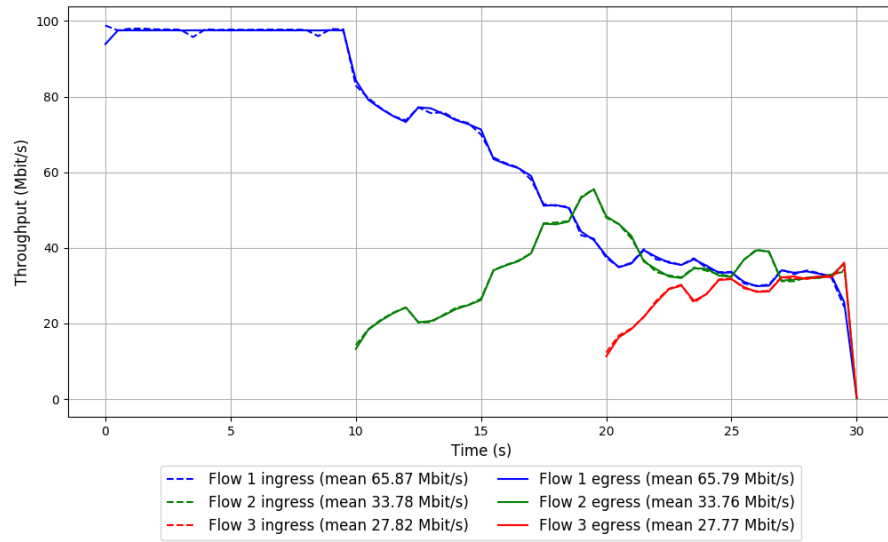


Run 2: Statistics of TCP Cubic

Start at: 2018-02-13 17:15:36
End at: 2018-02-13 17:16:06
Local clock offset: -4.975 ms
Remote clock offset: -4.791 ms

Below is generated by plot.py at 2018-02-13 20:45:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 32.786 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 65.79 Mbit/s
95th percentile per-packet one-way delay: 32.755 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 32.804 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 27.77 Mbit/s
95th percentile per-packet one-way delay: 33.025 ms
Loss rate: 0.07%

Run 2: Report of TCP Cubic — Data Link

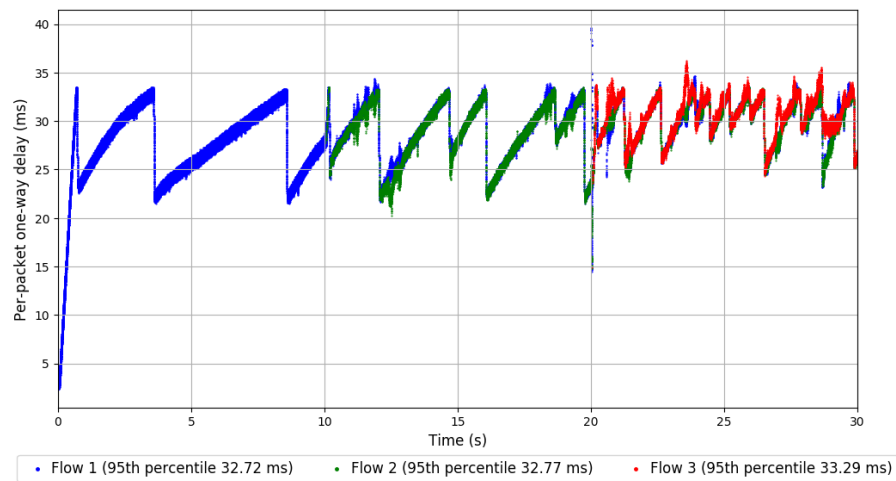
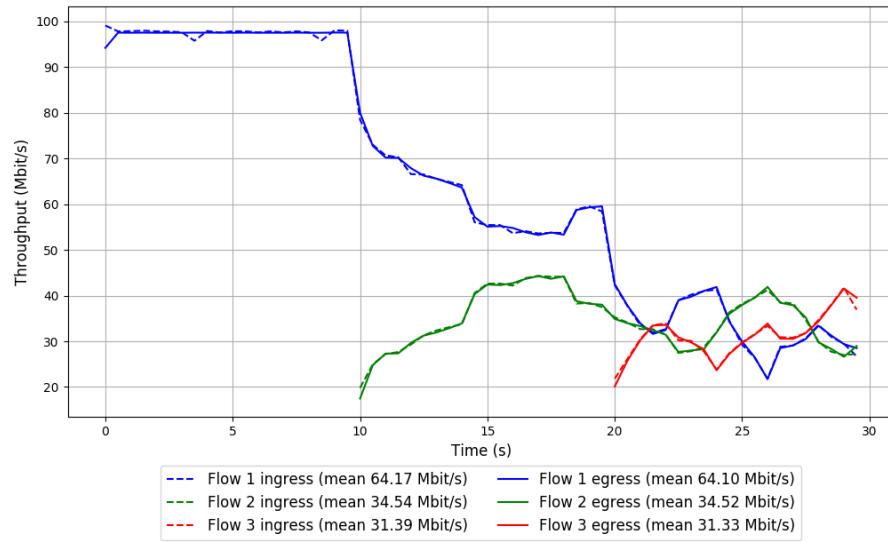


Run 3: Statistics of TCP Cubic

Start at: 2018-02-13 17:36:04
End at: 2018-02-13 17:36:34
Local clock offset: -3.795 ms
Remote clock offset: -4.53 ms

Below is generated by plot.py at 2018-02-13 20:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.776 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.10 Mbit/s
95th percentile per-packet one-way delay: 32.716 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 32.768 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 33.289 ms
Loss rate: 0.09%

Run 3: Report of TCP Cubic — Data Link

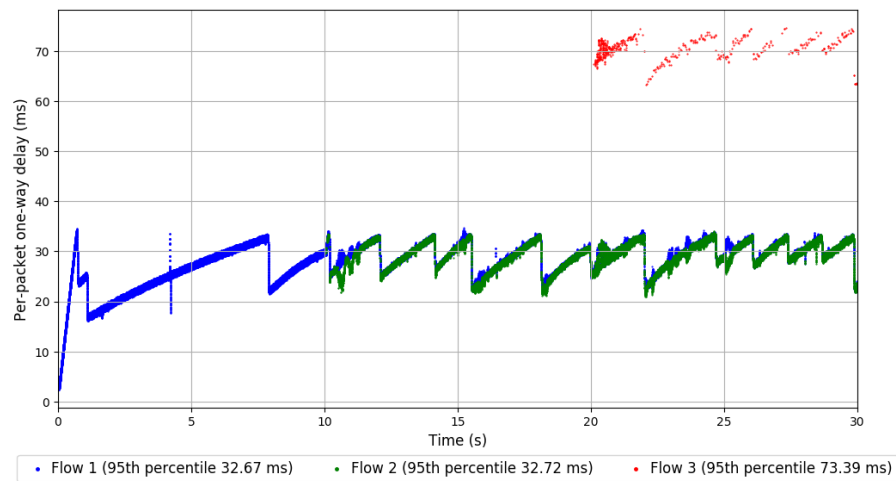
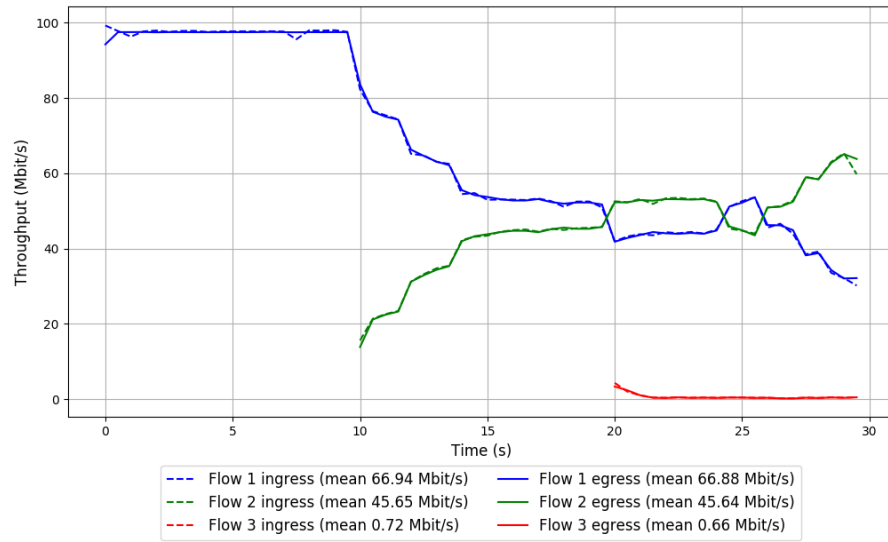


Run 4: Statistics of TCP Cubic

Start at: 2018-02-13 17:56:31
End at: 2018-02-13 17:57:01
Local clock offset: -3.796 ms
Remote clock offset: -4.299 ms

Below is generated by plot.py at 2018-02-13 20:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 32.708 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 32.672 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 32.719 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 73.394 ms
Loss rate: 9.39%

Run 4: Report of TCP Cubic — Data Link

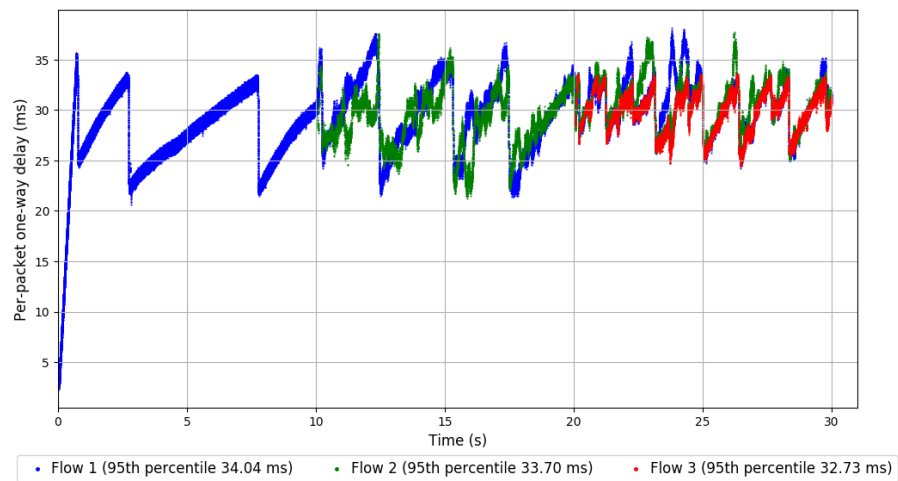
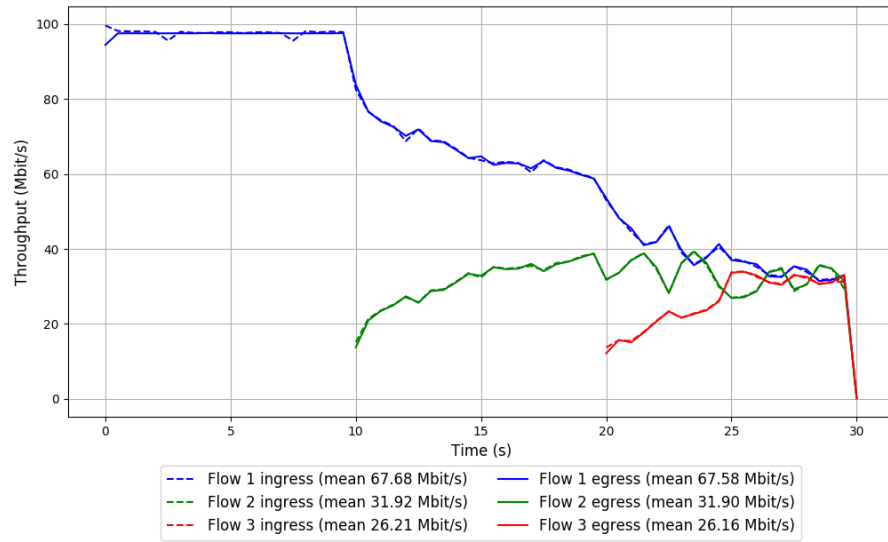


Run 5: Statistics of TCP Cubic

Start at: 2018-02-13 18:16:57
End at: 2018-02-13 18:17:27
Local clock offset: -3.965 ms
Remote clock offset: -4.169 ms

Below is generated by plot.py at 2018-02-13 20:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 33.899 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 67.58 Mbit/s
95th percentile per-packet one-way delay: 34.037 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 33.699 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 32.728 ms
Loss rate: 0.18%

Run 5: Report of TCP Cubic — Data Link

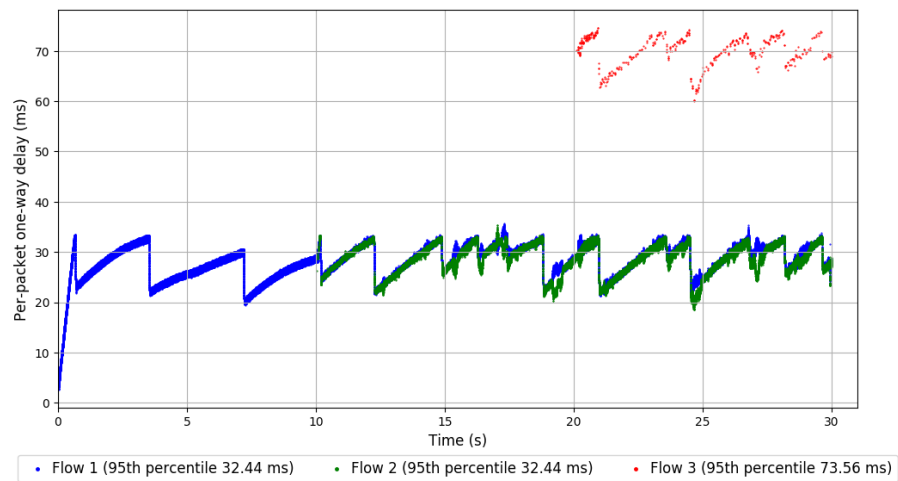
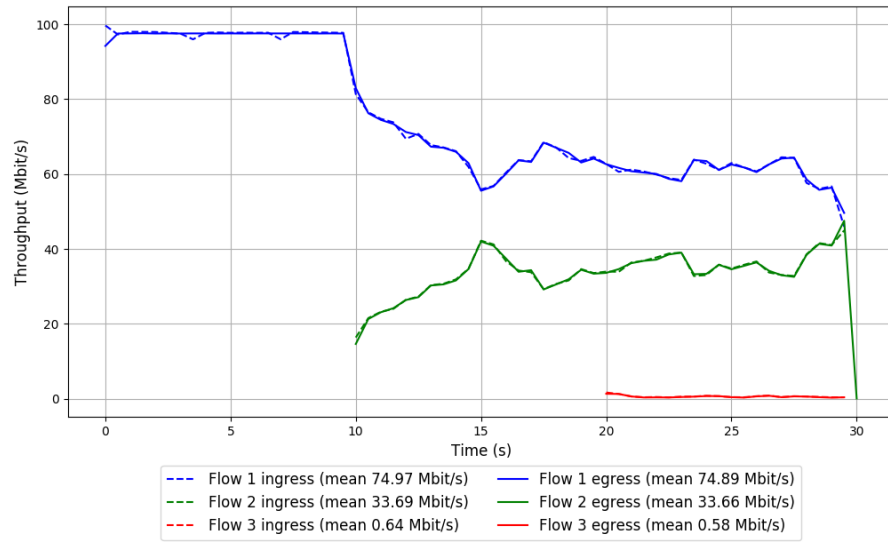


Run 6: Statistics of TCP Cubic

Start at: 2018-02-13 18:37:25
End at: 2018-02-13 18:37:55
Local clock offset: -4.408 ms
Remote clock offset: -4.073 ms

Below is generated by plot.py at 2018-02-13 20:45:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.458 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 74.89 Mbit/s
95th percentile per-packet one-way delay: 32.438 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 32.438 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 73.555 ms
Loss rate: 8.96%

Run 6: Report of TCP Cubic — Data Link

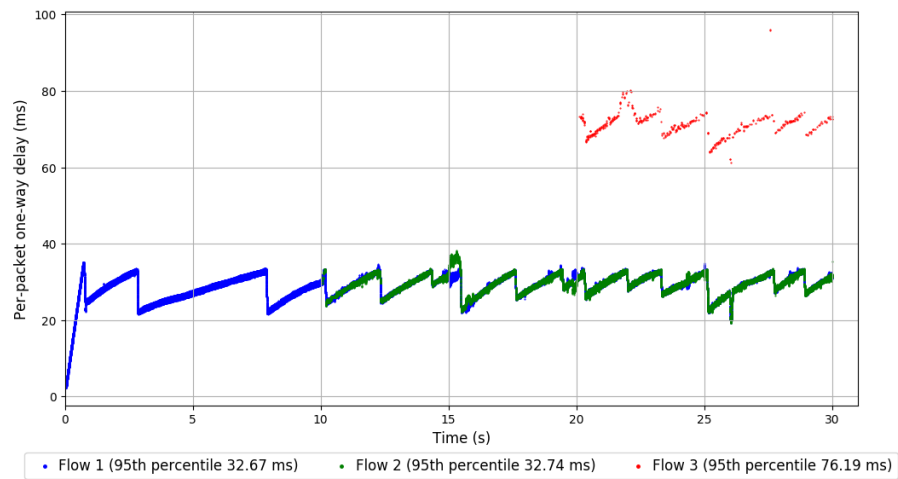
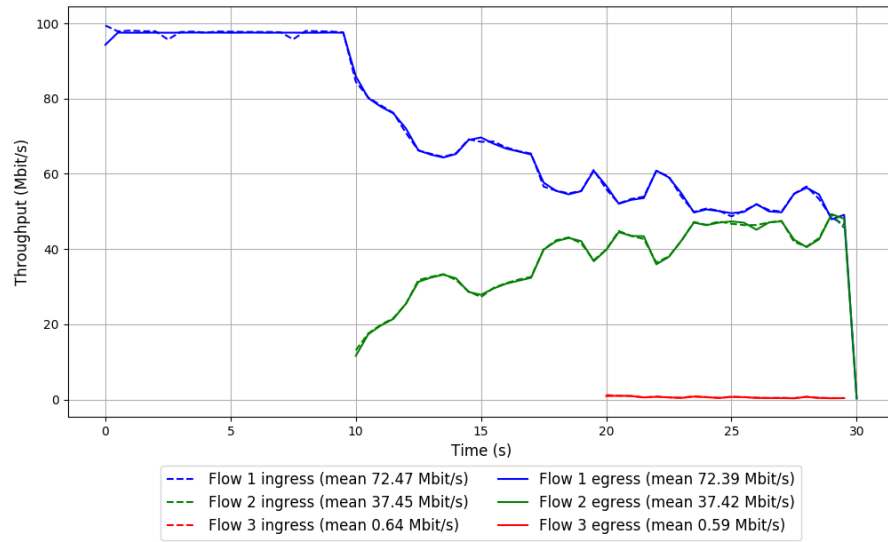


Run 7: Statistics of TCP Cubic

Start at: 2018-02-13 18:57:53
End at: 2018-02-13 18:58:23
Local clock offset: -4.78 ms
Remote clock offset: -4.132 ms

Below is generated by plot.py at 2018-02-13 20:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.702 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 72.39 Mbit/s
95th percentile per-packet one-way delay: 32.667 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 37.42 Mbit/s
95th percentile per-packet one-way delay: 32.740 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 76.186 ms
Loss rate: 7.44%

Run 7: Report of TCP Cubic — Data Link

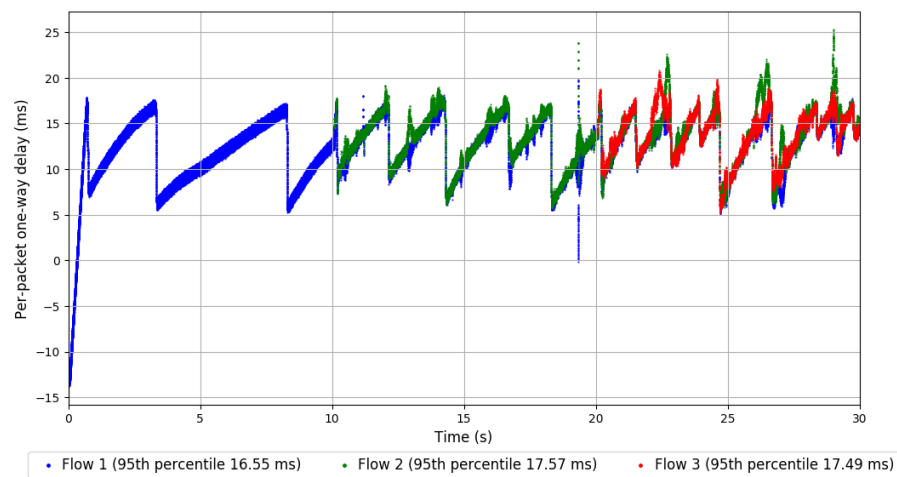
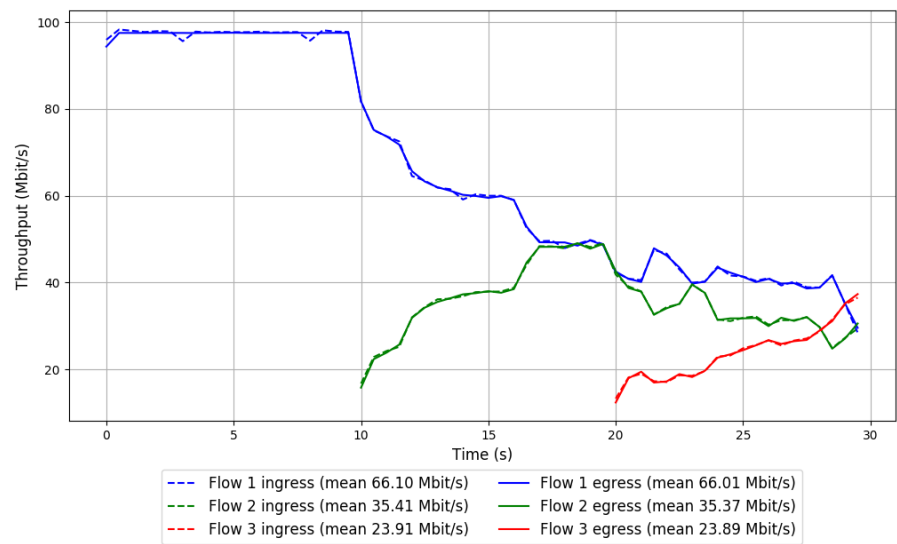


Run 8: Statistics of TCP Cubic

Start at: 2018-02-13 19:18:23
End at: 2018-02-13 19:18:53
Local clock offset: -4.394 ms
Remote clock offset: -20.459 ms

Below is generated by plot.py at 2018-02-13 20:47:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 16.815 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 66.01 Mbit/s
95th percentile per-packet one-way delay: 16.547 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 17.569 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 17.487 ms
Loss rate: 0.07%

Run 8: Report of TCP Cubic — Data Link

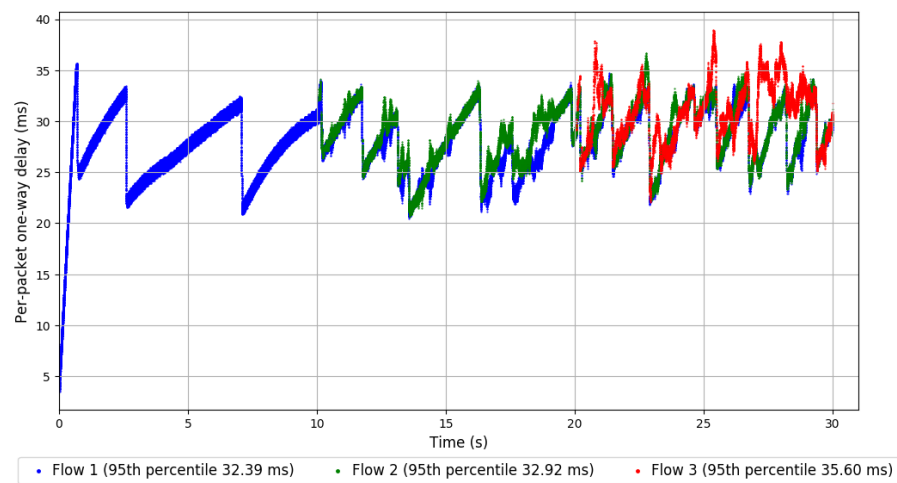
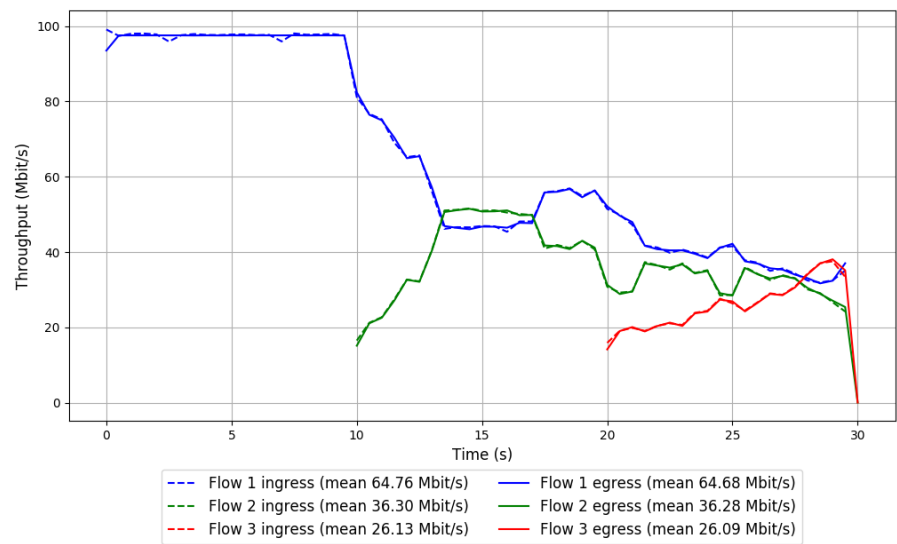


Run 9: Statistics of TCP Cubic

Start at: 2018-02-13 19:38:51
End at: 2018-02-13 19:39:21
Local clock offset: -4.833 ms
Remote clock offset: -3.588 ms

Below is generated by plot.py at 2018-02-13 20:47:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.889 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.68 Mbit/s
95th percentile per-packet one-way delay: 32.386 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 32.916 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 35.605 ms
Loss rate: 0.14%

Run 9: Report of TCP Cubic — Data Link

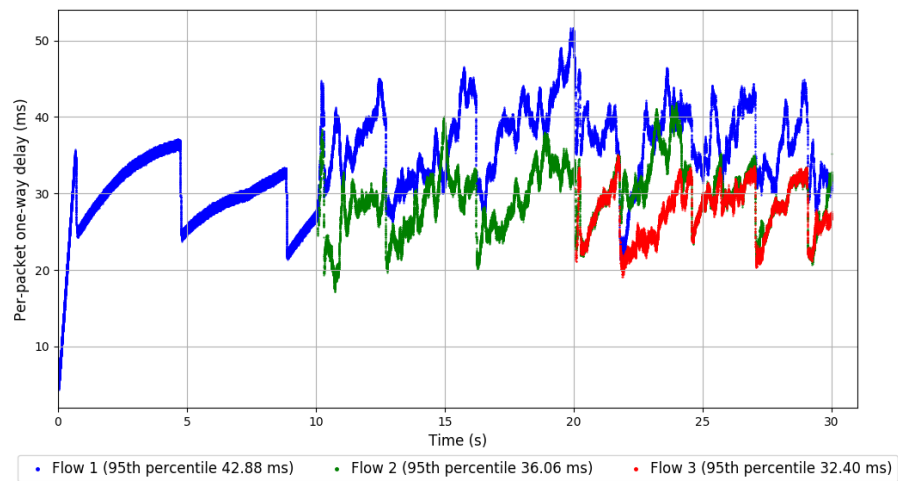
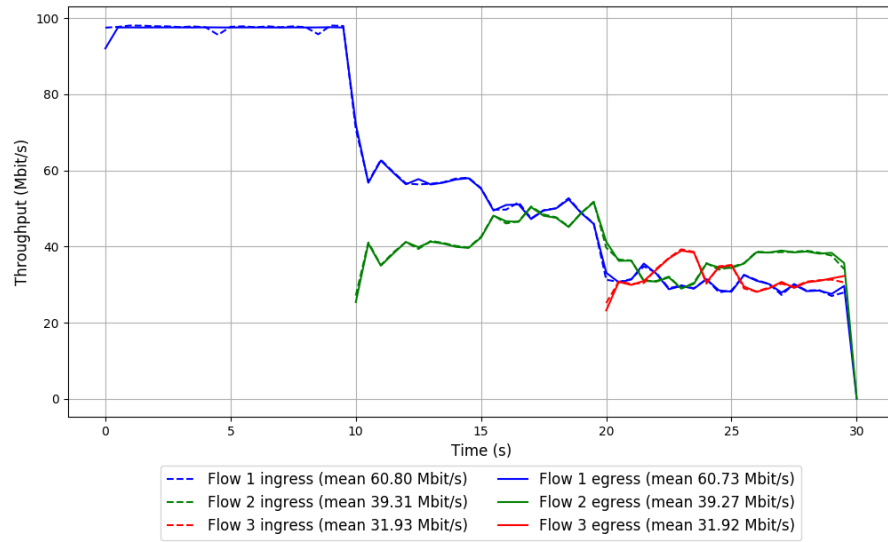


Run 10: Statistics of TCP Cubic

Start at: 2018-02-13 19:59:18
End at: 2018-02-13 19:59:48
Local clock offset: -5.559 ms
Remote clock offset: -3.783 ms

Below is generated by plot.py at 2018-02-13 20:47:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 41.578 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 42.883 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 36.061 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 32.398 ms
Loss rate: 0.07%

Run 10: Report of TCP Cubic — Data Link

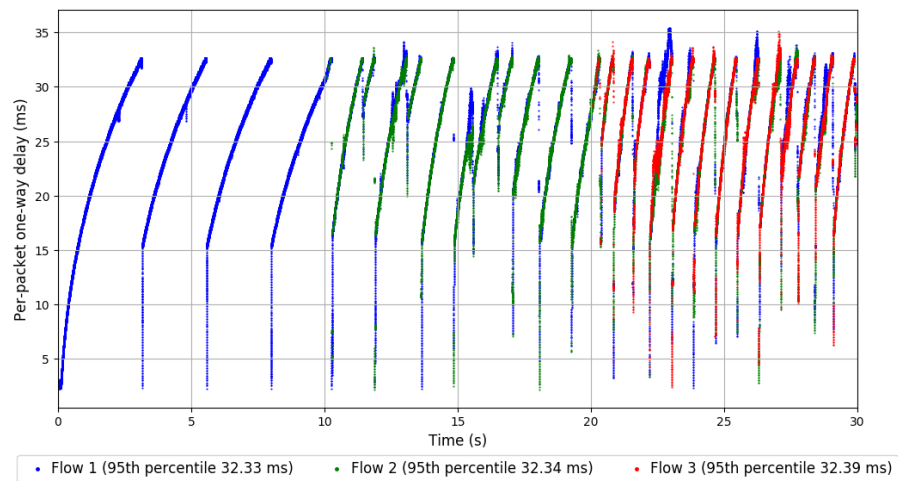
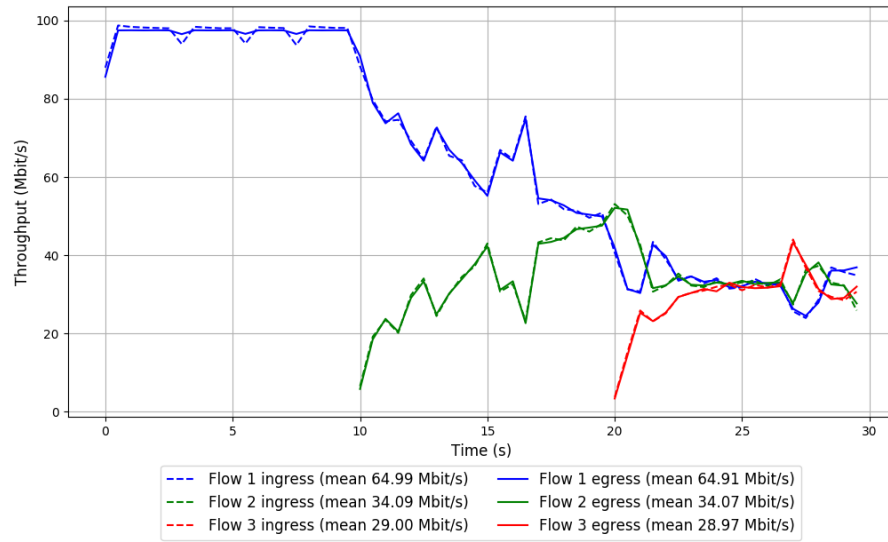


Run 1: Statistics of LEDBAT

Start at: 2018-02-13 16:59:36
End at: 2018-02-13 17:00:06
Local clock offset: -5.118 ms
Remote clock offset: -5.291 ms

Below is generated by plot.py at 2018-02-13 20:47:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.342 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.91 Mbit/s
95th percentile per-packet one-way delay: 32.327 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 32.345 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 32.394 ms
Loss rate: 0.09%

Run 1: Report of LEDBAT — Data Link

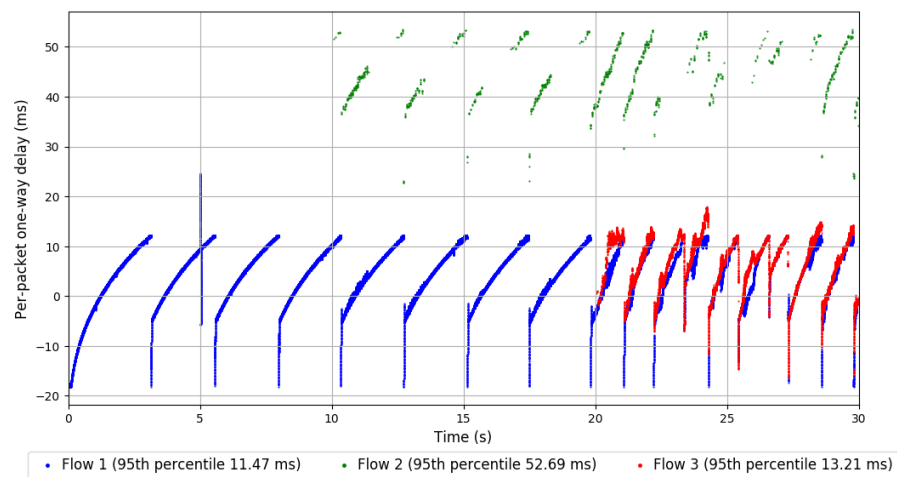
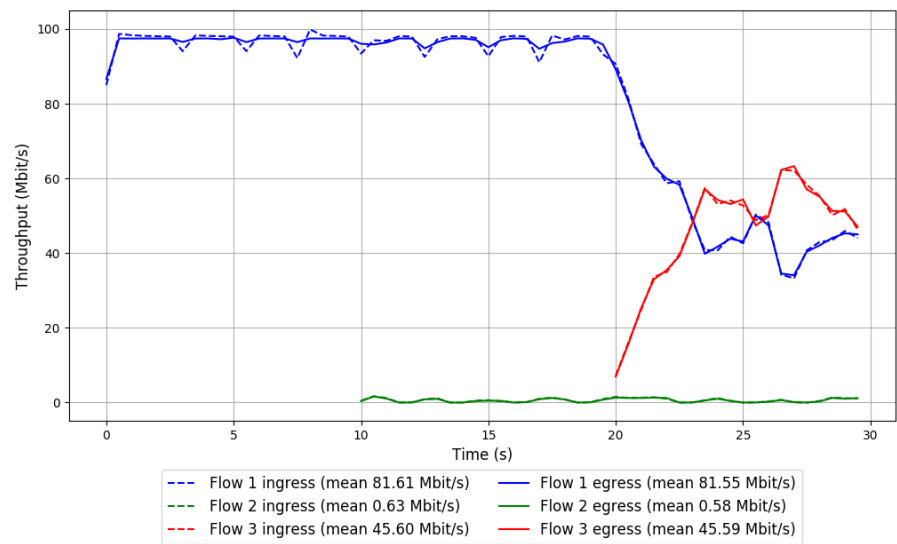


Run 2: Statistics of LEDBAT

Start at: 2018-02-13 17:20:06
End at: 2018-02-13 17:20:36
Local clock offset: -4.535 ms
Remote clock offset: -25.219 ms

Below is generated by plot.py at 2018-02-13 20:47:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 11.740 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 81.55 Mbit/s
95th percentile per-packet one-way delay: 11.473 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 52.685 ms
Loss rate: 7.99%
-- Flow 3:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 13.210 ms
Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link

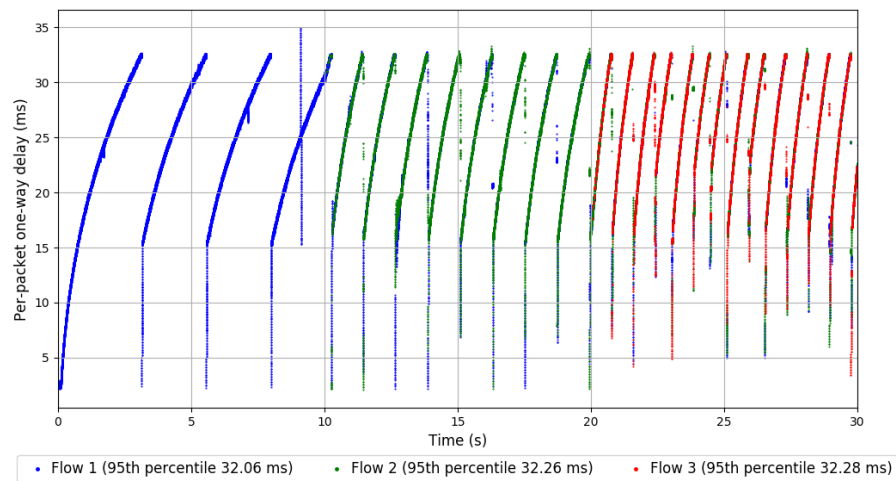
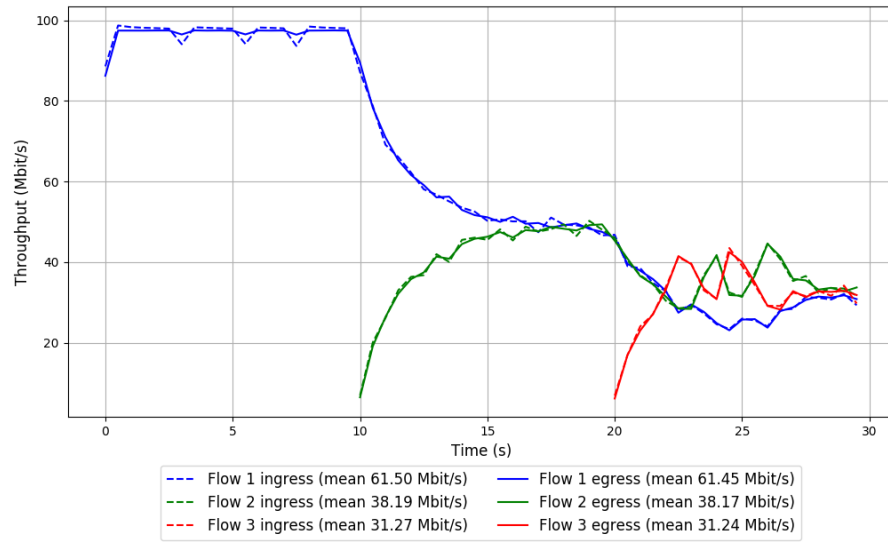


Run 3: Statistics of LEDBAT

Start at: 2018-02-13 17:40:33
End at: 2018-02-13 17:41:03
Local clock offset: -3.667 ms
Remote clock offset: -4.704 ms

Below is generated by plot.py at 2018-02-13 20:47:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 32.159 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 32.262 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 32.285 ms
Loss rate: 0.06%

Run 3: Report of LEDBAT — Data Link

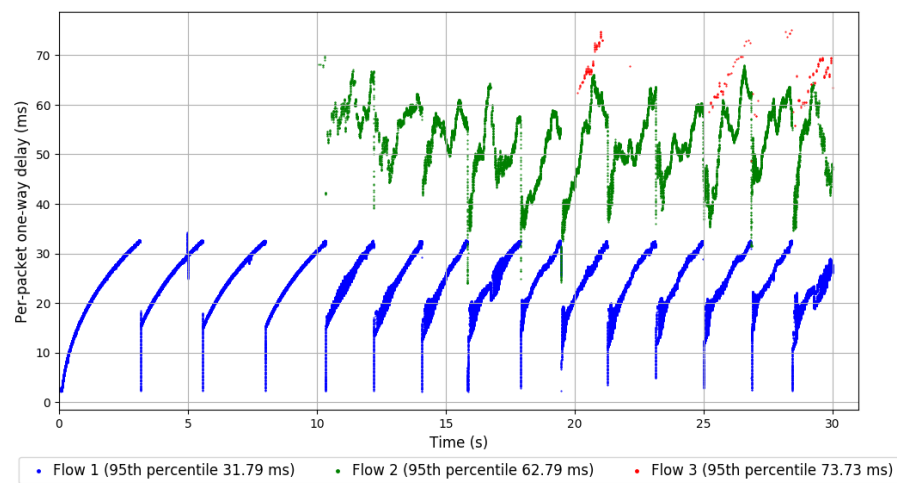
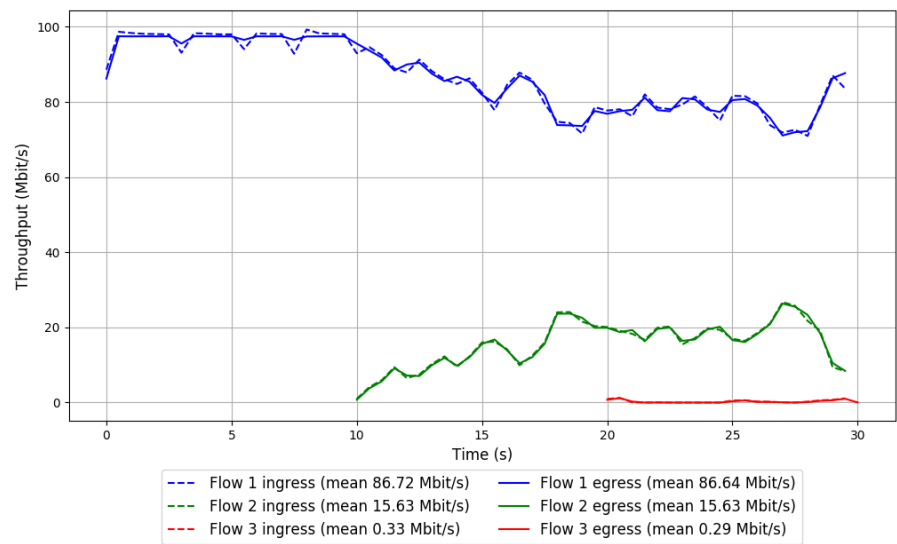


Run 4: Statistics of LEDBAT

Start at: 2018-02-13 18:01:00
End at: 2018-02-13 18:01:30
Local clock offset: -3.873 ms
Remote clock offset: -4.356 ms

Below is generated by plot.py at 2018-02-13 20:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 54.293 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 31.788 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 62.789 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 73.729 ms
Loss rate: 13.44%

Run 4: Report of LEDBAT — Data Link

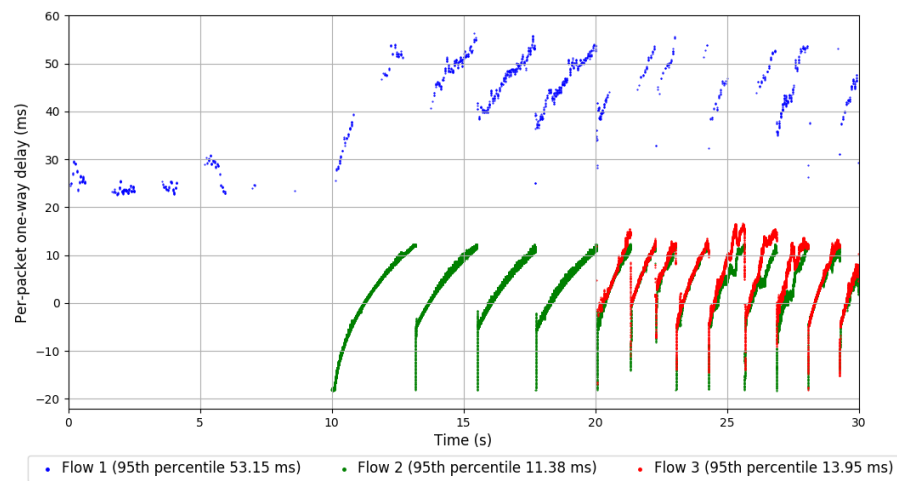
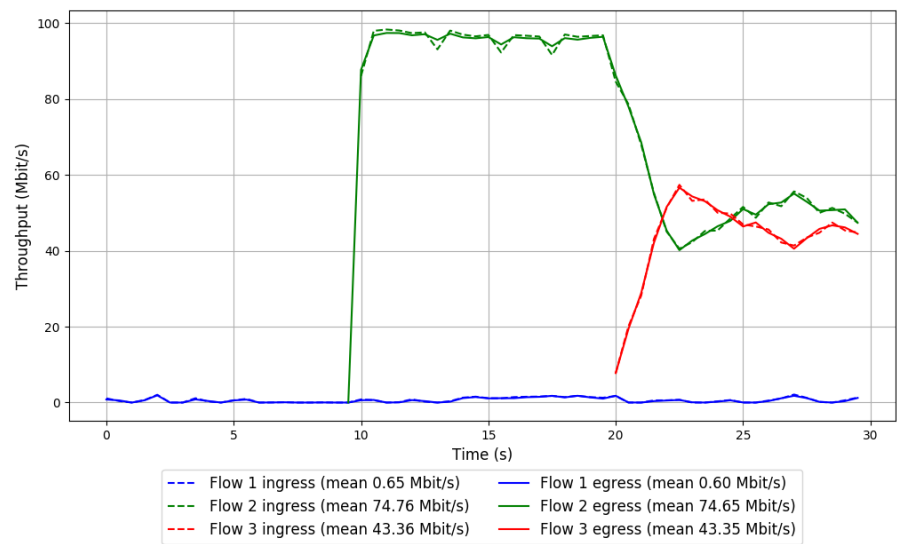


Run 5: Statistics of LEDBAT

Start at: 2018-02-13 18:21:27
End at: 2018-02-13 18:21:57
Local clock offset: -3.926 ms
Remote clock offset: -24.692 ms

Below is generated by plot.py at 2018-02-13 20:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.80 Mbit/s
95th percentile per-packet one-way delay: 11.969 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 53.151 ms
Loss rate: 8.26%
-- Flow 2:
Average throughput: 74.65 Mbit/s
95th percentile per-packet one-way delay: 11.378 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 43.35 Mbit/s
95th percentile per-packet one-way delay: 13.947 ms
Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link

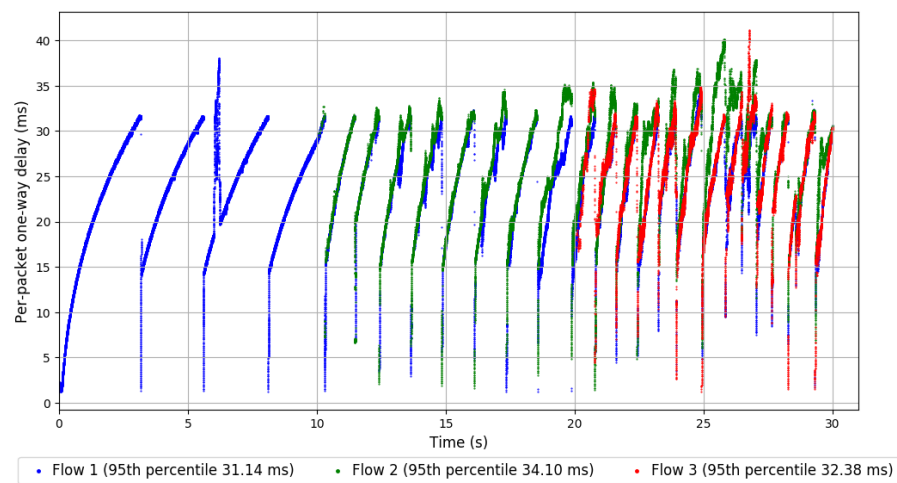
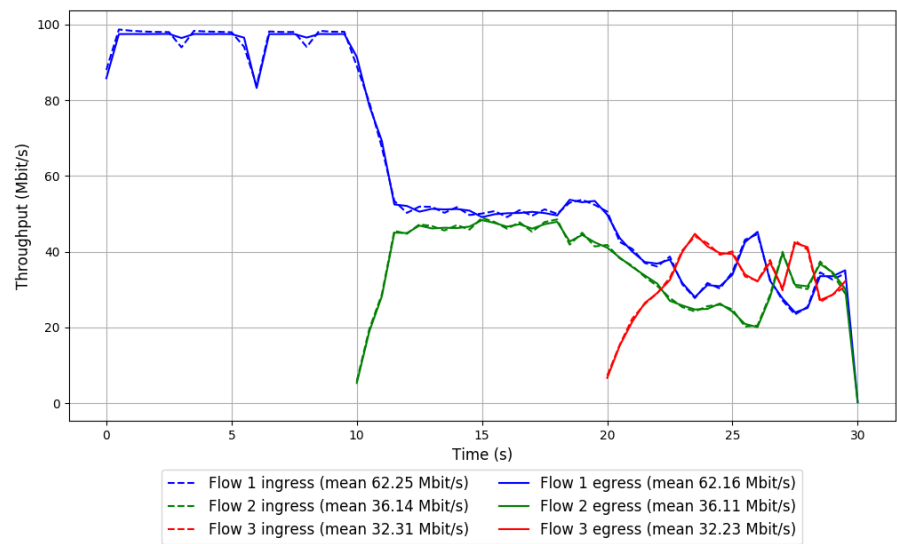


Run 6: Statistics of LEDBAT

Start at: 2018-02-13 18:41:52
End at: 2018-02-13 18:42:22
Local clock offset: -4.661 ms
Remote clock offset: -5.127 ms

Below is generated by plot.py at 2018-02-13 20:48:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 31.646 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 34.100 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 32.379 ms
Loss rate: 0.11%

Run 6: Report of LEDBAT — Data Link

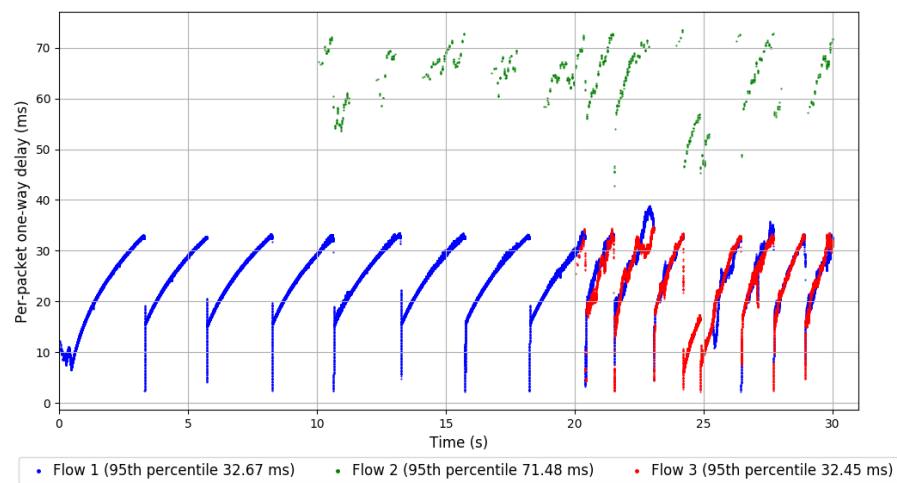
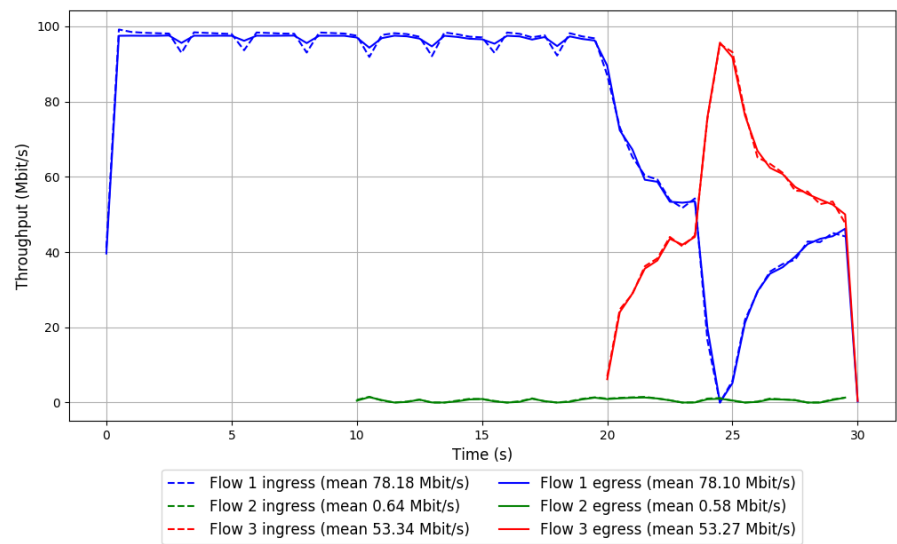


Run 7: Statistics of LEDBAT

Start at: 2018-02-13 19:02:23
End at: 2018-02-13 19:02:53
Local clock offset: -4.62 ms
Remote clock offset: -4.185 ms

Below is generated by plot.py at 2018-02-13 20:48:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 32.676 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: 32.675 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 71.476 ms
Loss rate: 10.29%
-- Flow 3:
Average throughput: 53.27 Mbit/s
95th percentile per-packet one-way delay: 32.453 ms
Loss rate: 0.06%

Run 7: Report of LEDBAT — Data Link

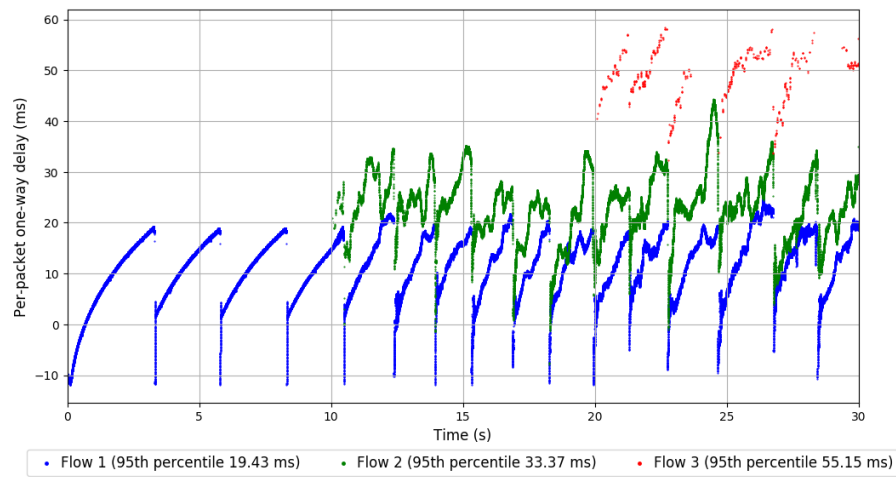
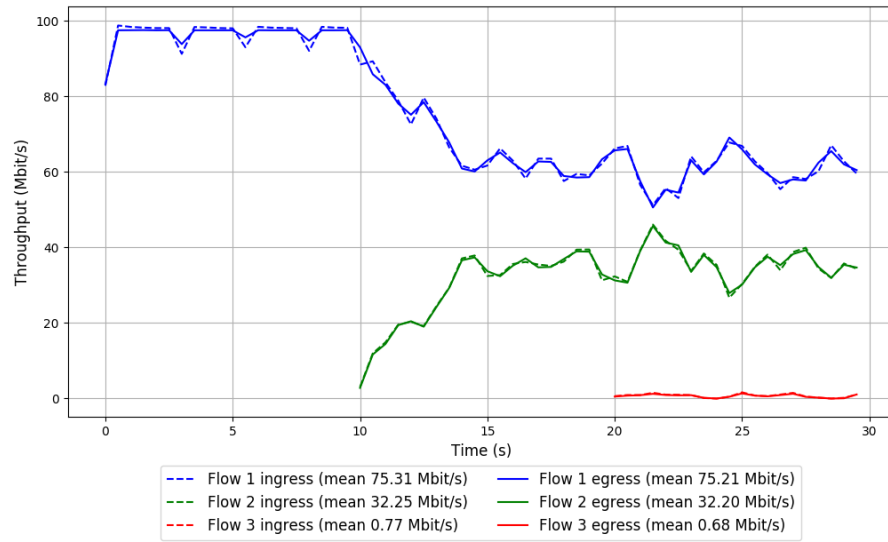


Run 8: Statistics of LEDBAT

Start at: 2018-02-13 19:22:53
End at: 2018-02-13 19:23:23
Local clock offset: -4.322 ms
Remote clock offset: -18.595 ms

Below is generated by plot.py at 2018-02-13 20:48:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 27.181 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 33.366 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 55.146 ms
Loss rate: 11.26%

Run 8: Report of LEDBAT — Data Link

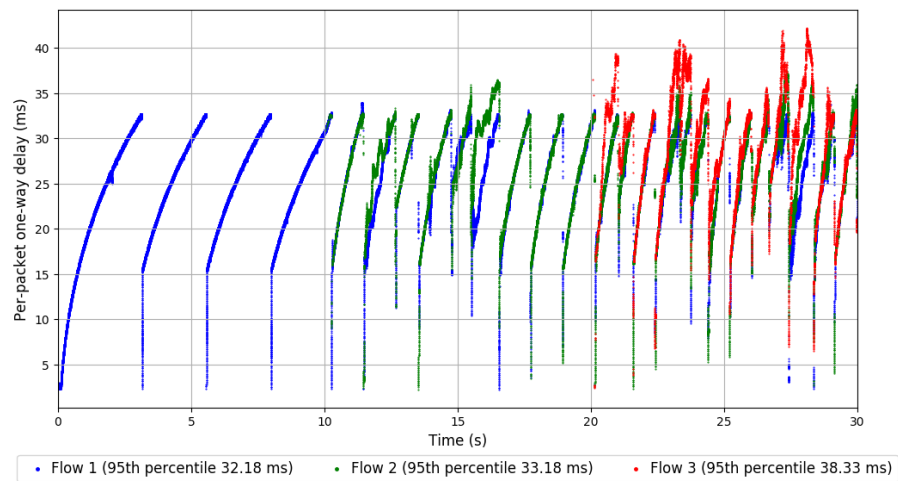
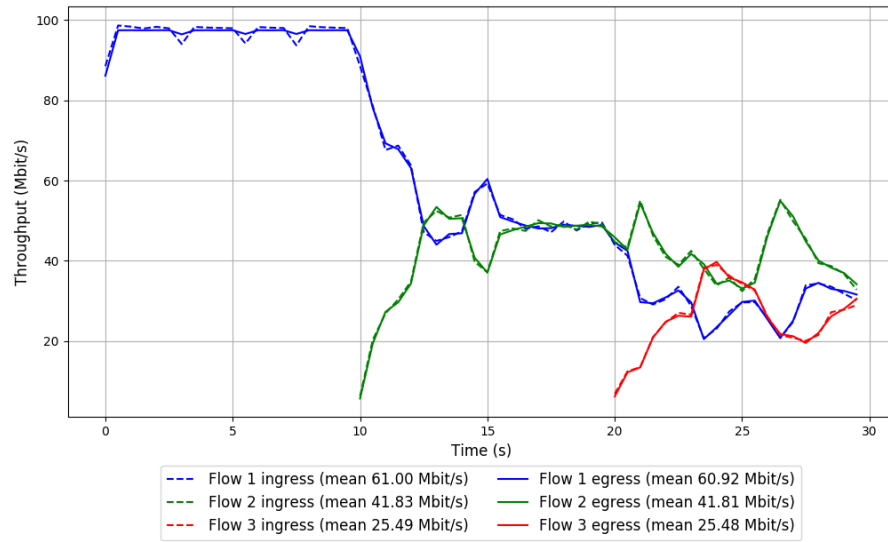


Run 9: Statistics of LEDBAT

Start at: 2018-02-13 19:43:22
End at: 2018-02-13 19:43:52
Local clock offset: -5.105 ms
Remote clock offset: -3.508 ms

Below is generated by plot.py at 2018-02-13 20:48:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 32.626 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.92 Mbit/s
95th percentile per-packet one-way delay: 32.180 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 33.178 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 38.334 ms
Loss rate: 0.10%

Run 9: Report of LEDBAT — Data Link

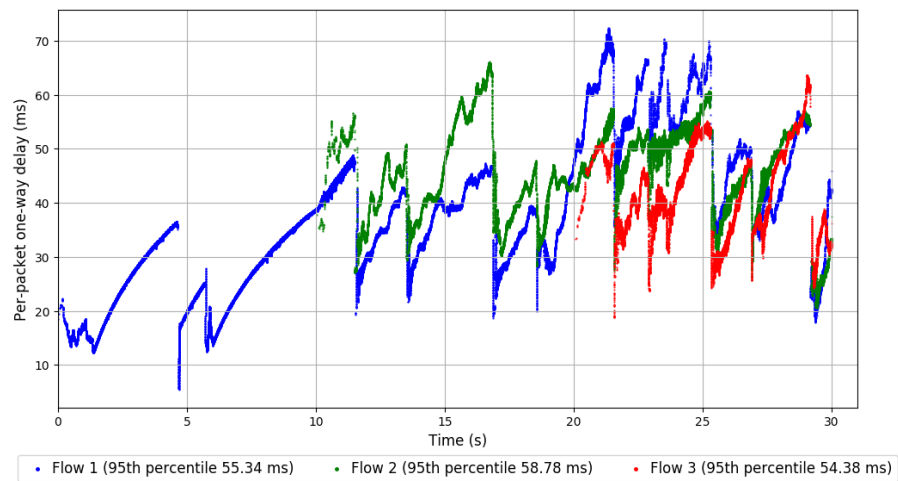
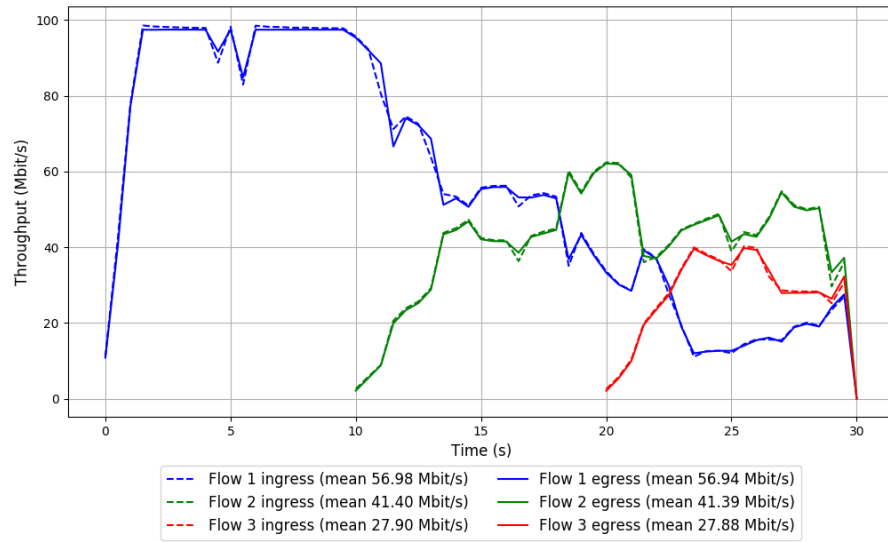


Run 10: Statistics of LEDBAT

Start at: 2018-02-13 20:03:49
End at: 2018-02-13 20:04:19
Local clock offset: -3.956 ms
Remote clock offset: -4.306 ms

Below is generated by plot.py at 2018-02-13 20:48:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 57.071 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 55.345 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 41.39 Mbit/s
95th percentile per-packet one-way delay: 58.785 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 27.88 Mbit/s
95th percentile per-packet one-way delay: 54.378 ms
Loss rate: 0.11%

Run 10: Report of LEDBAT — Data Link

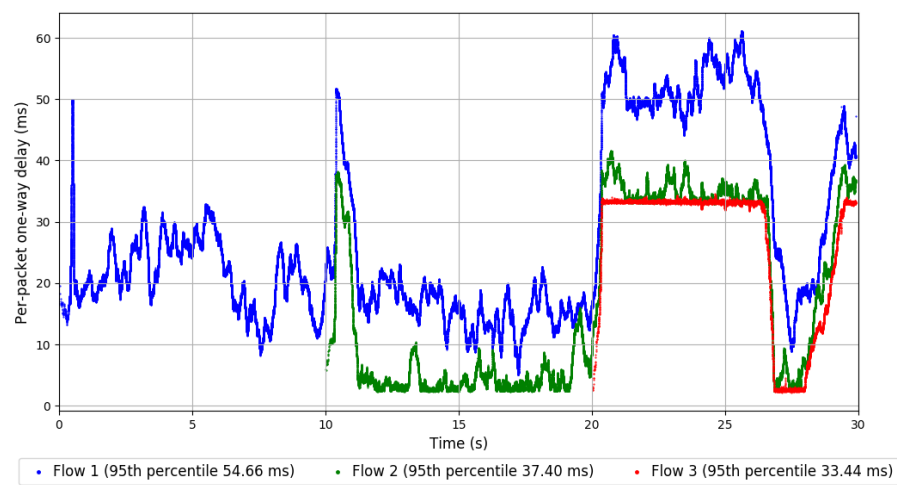
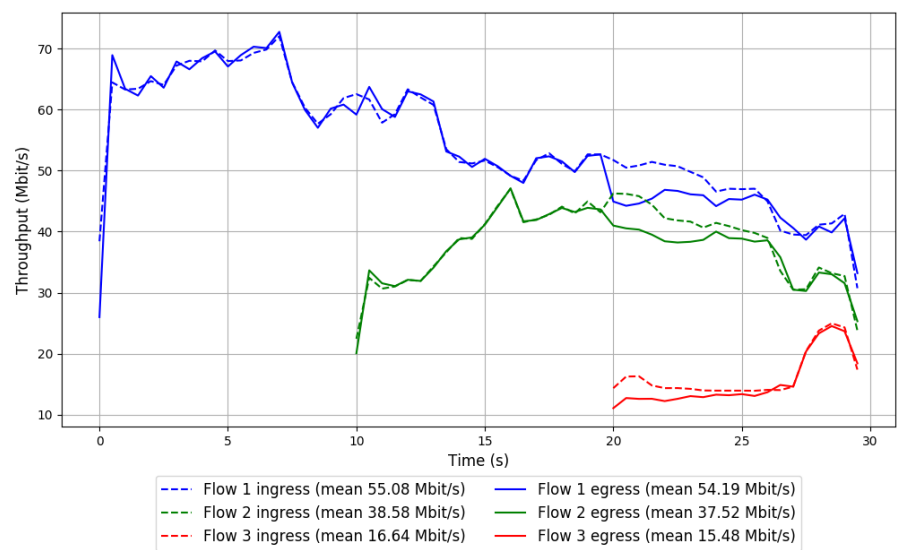


Run 1: Statistics of PCC

Start at: 2018-02-13 17:07:35
End at: 2018-02-13 17:08:05
Local clock offset: -5.036 ms
Remote clock offset: -5.256 ms

Below is generated by plot.py at 2018-02-13 20:48:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 52.640 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 54.19 Mbit/s
95th percentile per-packet one-way delay: 54.658 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 37.400 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 33.439 ms
Loss rate: 6.66%

Run 1: Report of PCC — Data Link

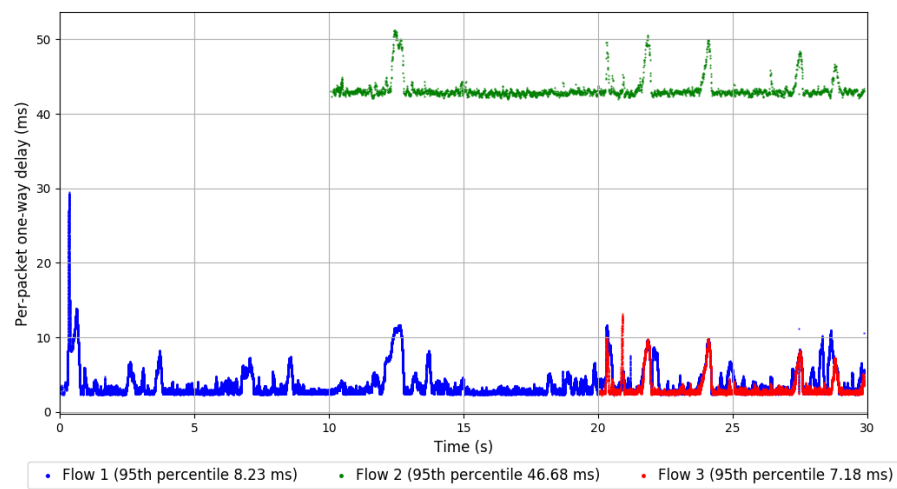
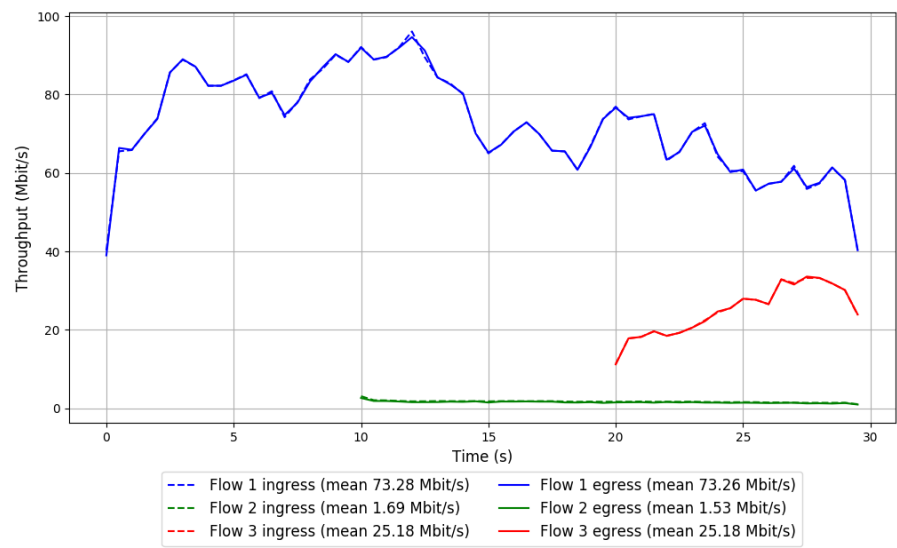


Run 2: Statistics of PCC

Start at: 2018-02-13 17:28:06
End at: 2018-02-13 17:28:36
Local clock offset: -4.045 ms
Remote clock offset: -4.543 ms

Below is generated by plot.py at 2018-02-13 20:48:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 8.958 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 73.26 Mbit/s
95th percentile per-packet one-way delay: 8.233 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 46.682 ms
Loss rate: 9.67%
-- Flow 3:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 7.180 ms
Loss rate: 0.01%

Run 2: Report of PCC — Data Link

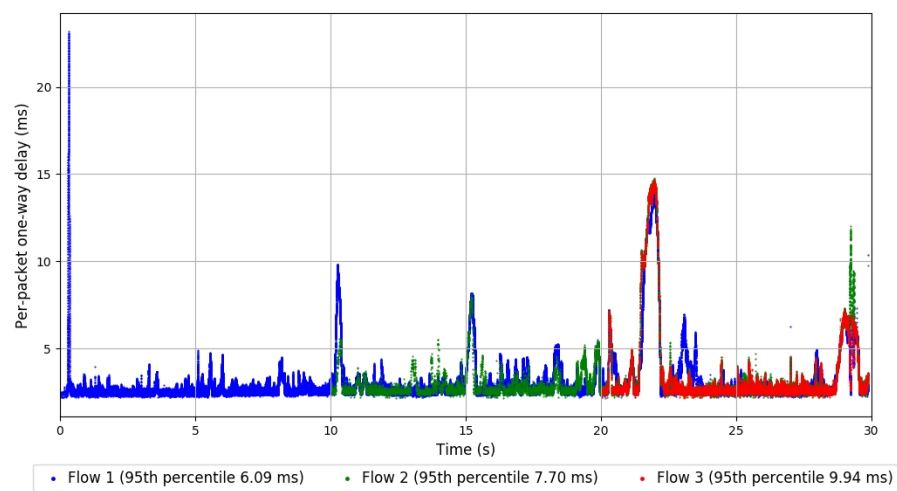
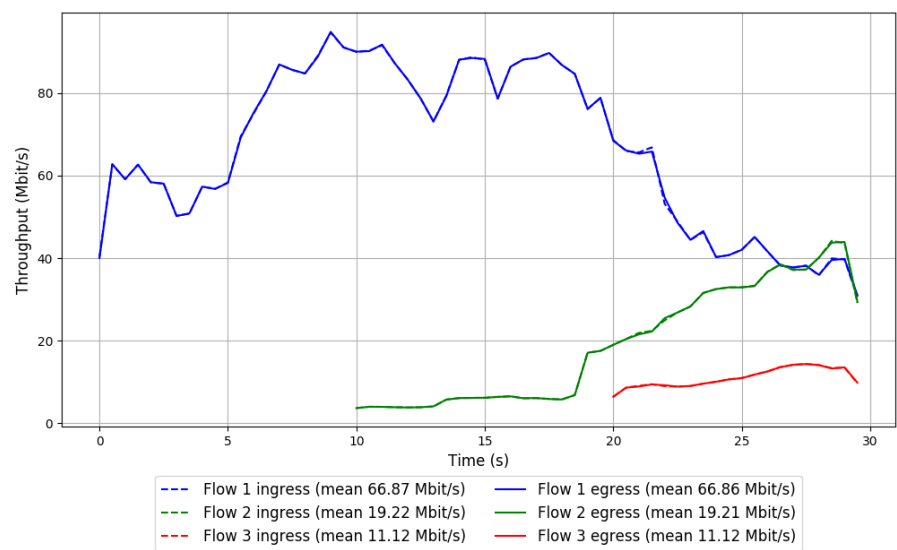


Run 3: Statistics of PCC

Start at: 2018-02-13 17:48:31
End at: 2018-02-13 17:49:01
Local clock offset: -3.368 ms
Remote clock offset: -4.357 ms

Below is generated by plot.py at 2018-02-13 20:49:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 6.500 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.86 Mbit/s
95th percentile per-packet one-way delay: 6.088 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.21 Mbit/s
95th percentile per-packet one-way delay: 7.704 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 9.938 ms
Loss rate: 0.00%

Run 3: Report of PCC — Data Link

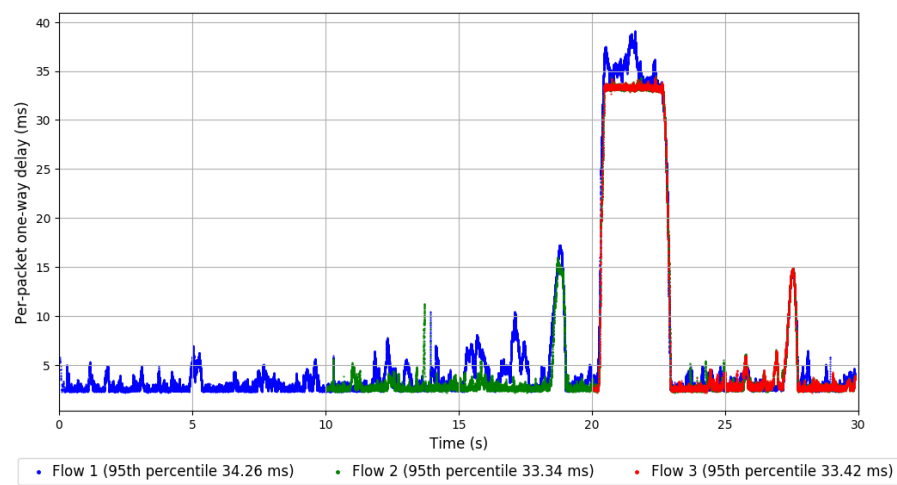
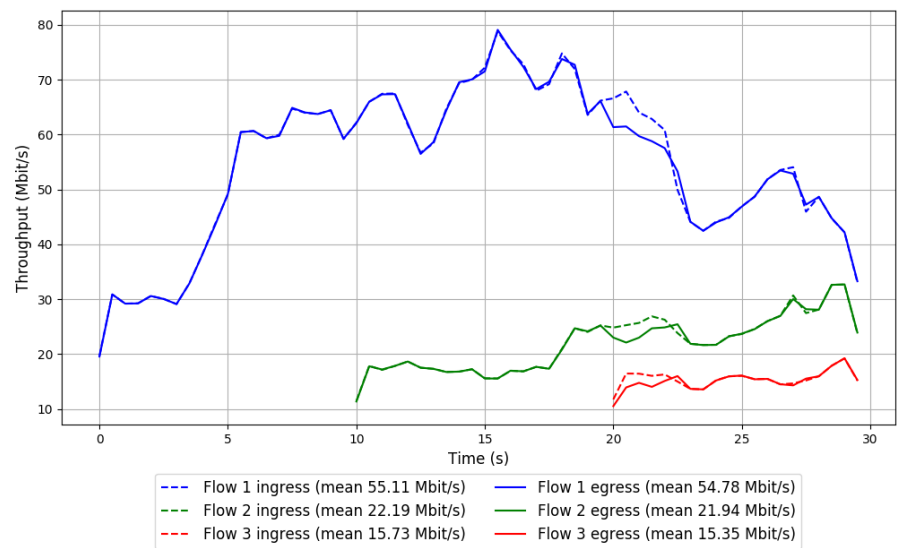


Run 4: Statistics of PCC

Start at: 2018-02-13 18:08:58
End at: 2018-02-13 18:09:28
Local clock offset: -3.987 ms
Remote clock offset: -4.232 ms

Below is generated by plot.py at 2018-02-13 20:49:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.42 Mbit/s
95th percentile per-packet one-way delay: 33.716 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 34.258 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 21.94 Mbit/s
95th percentile per-packet one-way delay: 33.339 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 33.422 ms
Loss rate: 2.44%

Run 4: Report of PCC — Data Link

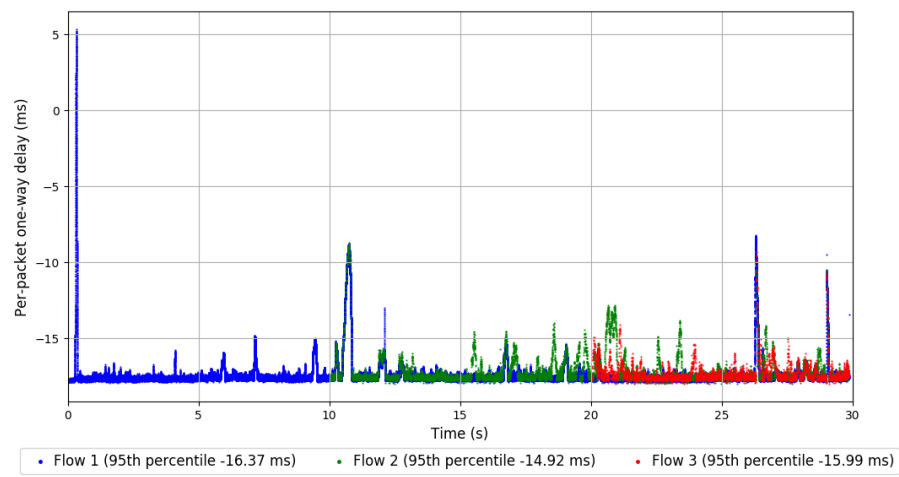
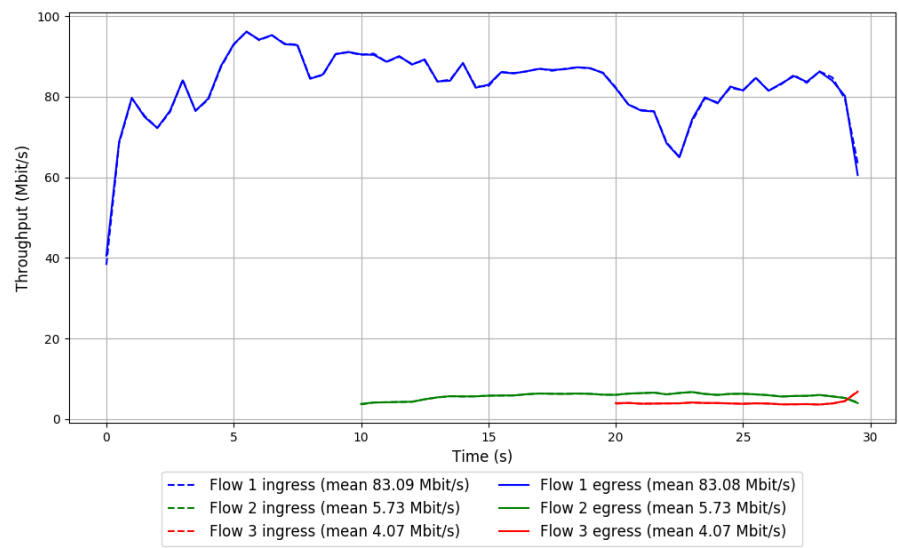


Run 5: Statistics of PCC

Start at: 2018-02-13 18:29:25
End at: 2018-02-13 18:29:55
Local clock offset: -4.322 ms
Remote clock offset: -24.23 ms

Below is generated by plot.py at 2018-02-13 20:49:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: -16.202 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: -16.369 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.73 Mbit/s
95th percentile per-packet one-way delay: -14.918 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.07 Mbit/s
95th percentile per-packet one-way delay: -15.987 ms
Loss rate: 0.00%

Run 5: Report of PCC — Data Link

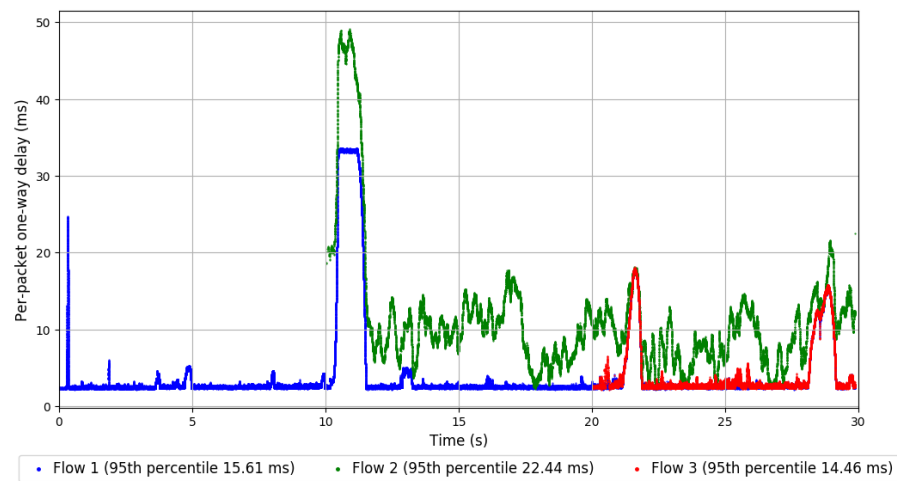
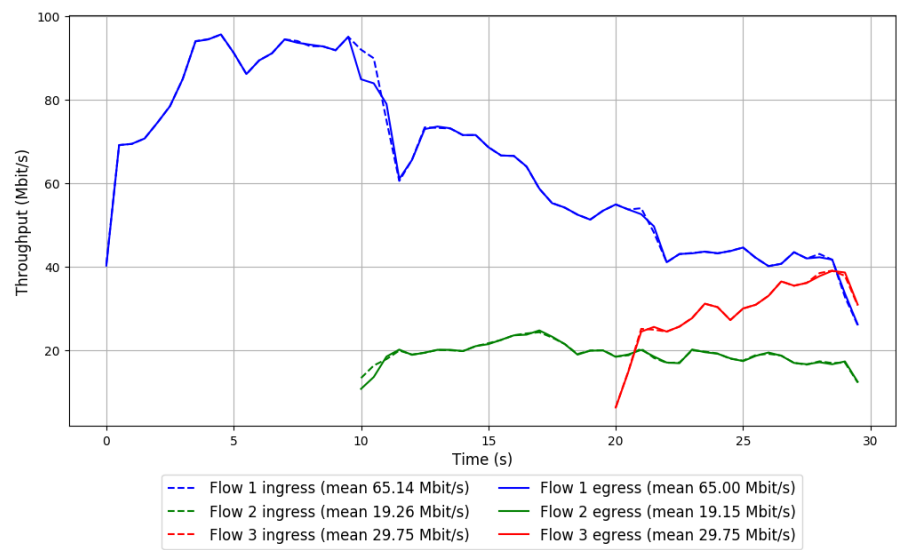


Run 6: Statistics of PCC

Start at: 2018-02-13 18:49:54
End at: 2018-02-13 18:50:24
Local clock offset: -4.76 ms
Remote clock offset: -4.014 ms

Below is generated by plot.py at 2018-02-13 20:49:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 16.460 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 15.606 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 22.436 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 14.457 ms
Loss rate: 0.00%

Run 6: Report of PCC — Data Link

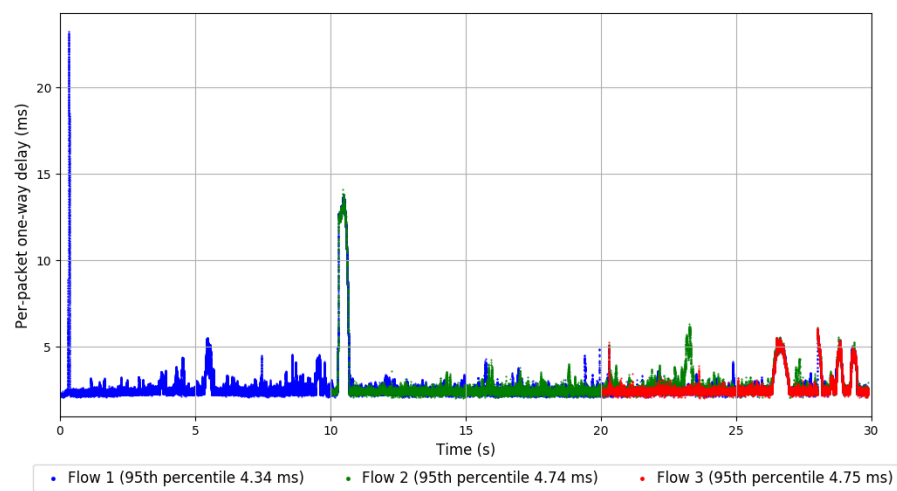
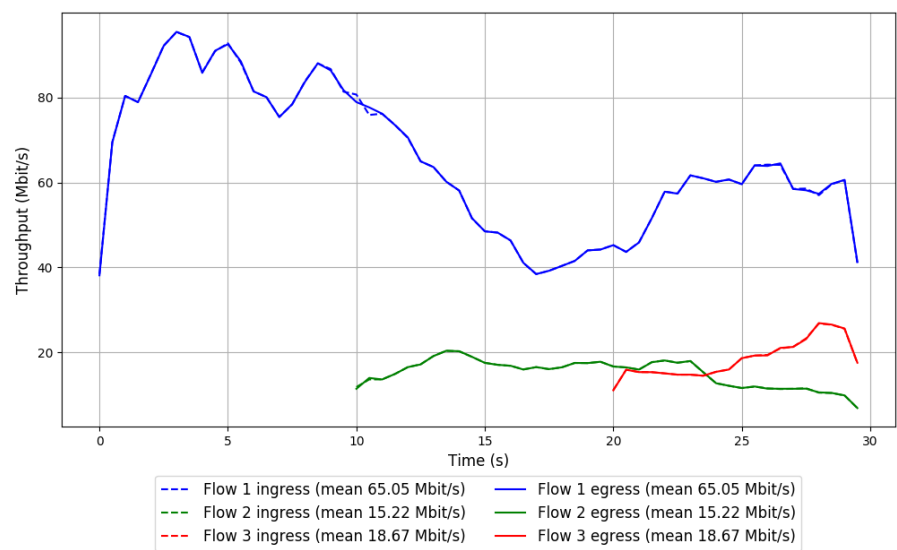


Run 7: Statistics of PCC

Start at: 2018-02-13 19:10:24
End at: 2018-02-13 19:10:54
Local clock offset: -4.416 ms
Remote clock offset: -4.313 ms

Below is generated by plot.py at 2018-02-13 20:49:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.32 Mbit/s
95th percentile per-packet one-way delay: 4.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.05 Mbit/s
95th percentile per-packet one-way delay: 4.341 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.22 Mbit/s
95th percentile per-packet one-way delay: 4.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 4.754 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

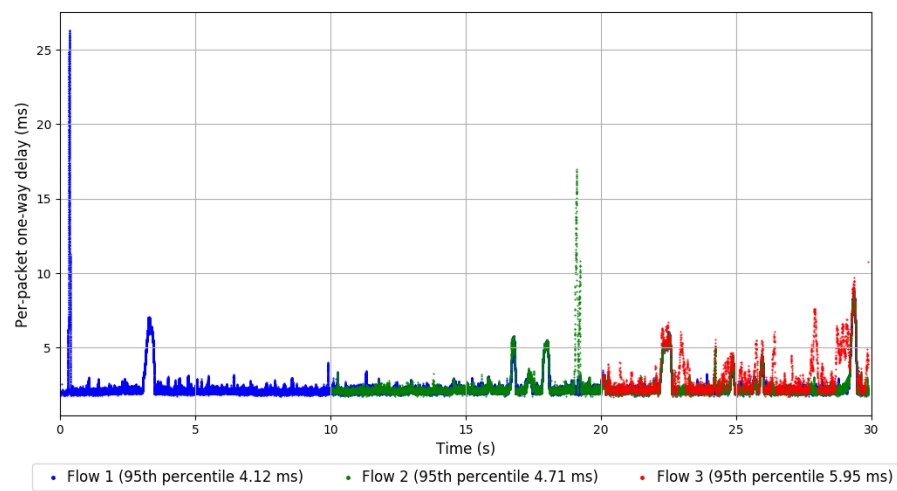
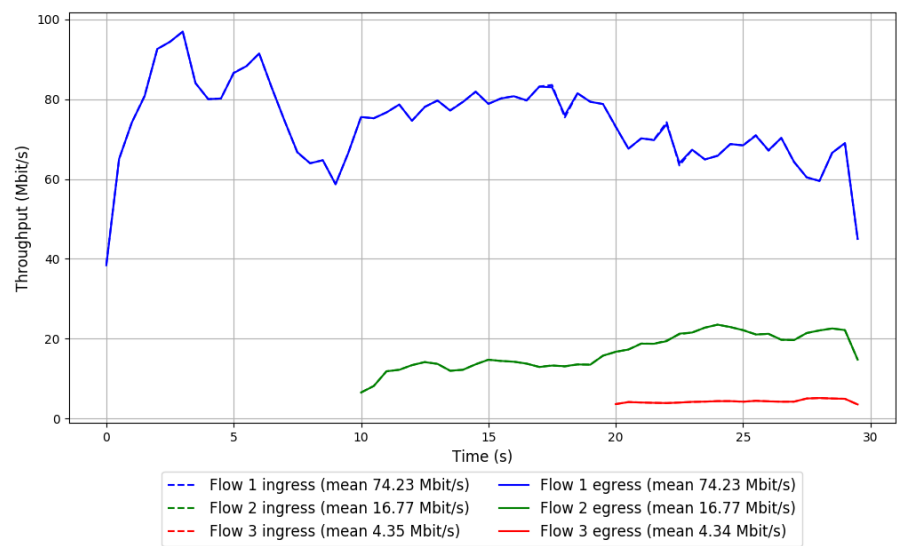


Run 8: Statistics of PCC

Start at: 2018-02-13 19:30:52
End at: 2018-02-13 19:31:22
Local clock offset: -4.227 ms
Remote clock offset: -4.282 ms

Below is generated by plot.py at 2018-02-13 20:49:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 4.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 4.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 4.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 5.946 ms
Loss rate: 0.06%

Run 8: Report of PCC — Data Link

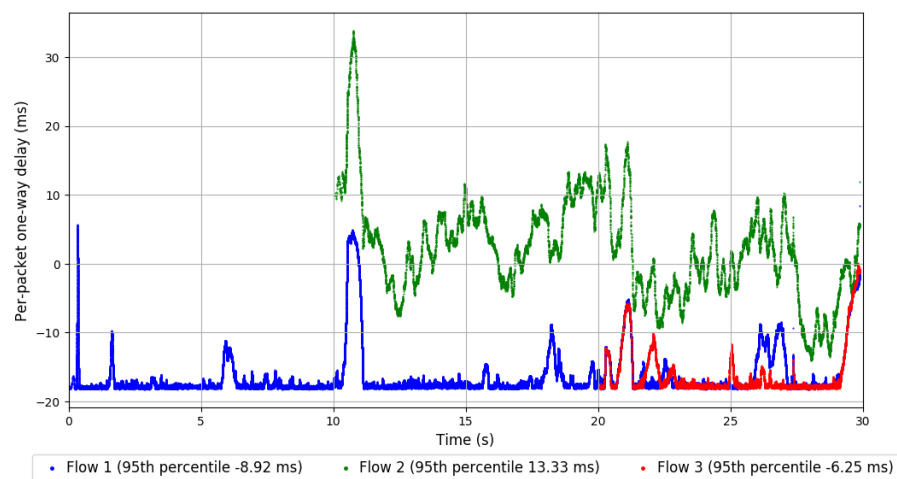
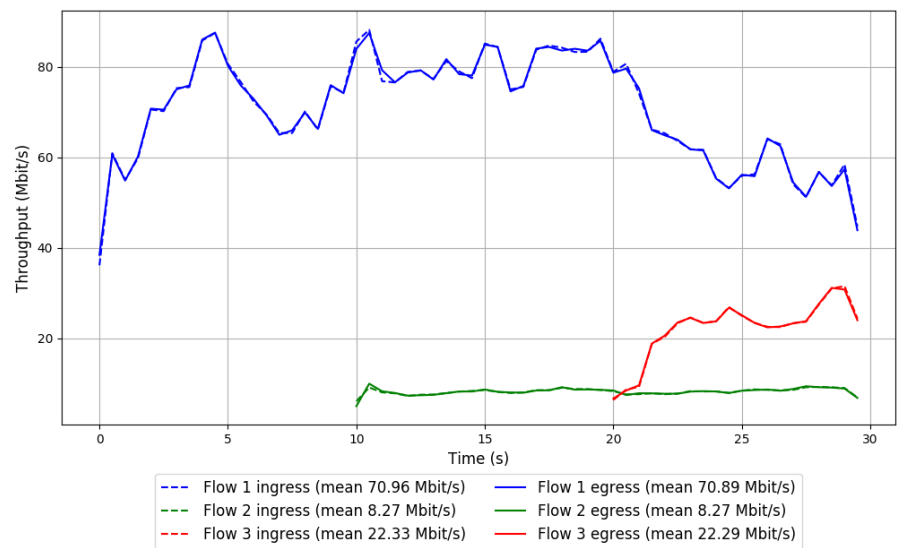


Run 9: Statistics of PCC

Start at: 2018-02-13 19:51:20
End at: 2018-02-13 19:51:50
Local clock offset: -5.331 ms
Remote clock offset: -23.79 ms

Below is generated by plot.py at 2018-02-13 20:49:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.74 Mbit/s
95th percentile per-packet one-way delay: 1.807 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.89 Mbit/s
95th percentile per-packet one-way delay: -8.923 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 13.326 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: -6.250 ms
Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-13 20:12:01

End at: 2018-02-13 20:12:31

Local clock offset: 14.68 ms

Remote clock offset: -5.08 ms

Below is generated by plot.py at 2018-02-13 20:49:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.86 Mbit/s

95th percentile per-packet one-way delay: 78.999 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 58.44 Mbit/s

95th percentile per-packet one-way delay: 80.020 ms

Loss rate: 1.69%

-- Flow 2:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 67.763 ms

Loss rate: 1.33%

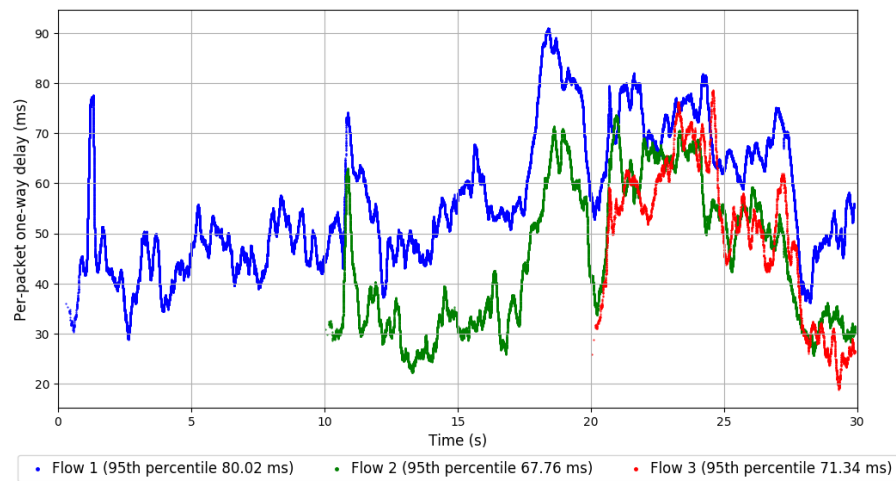
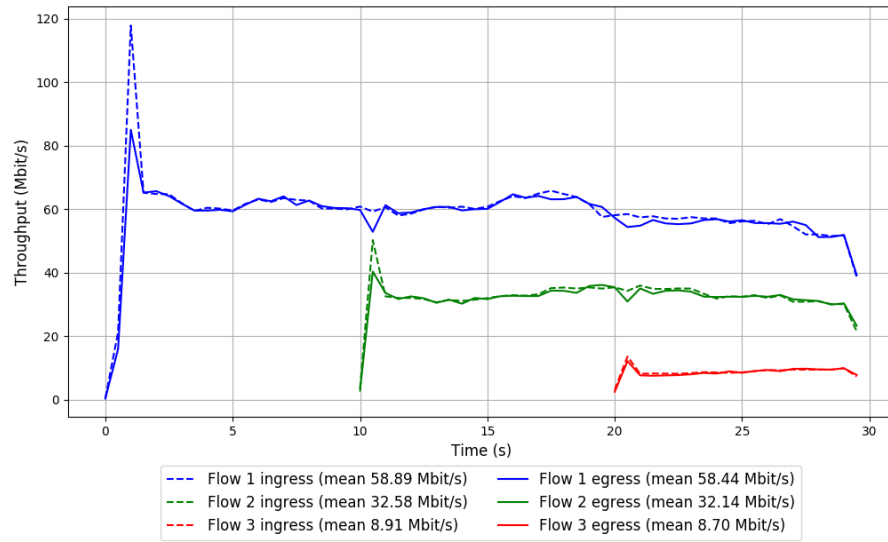
-- Flow 3:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 71.338 ms

Loss rate: 2.29%

Run 10: Report of PCC — Data Link

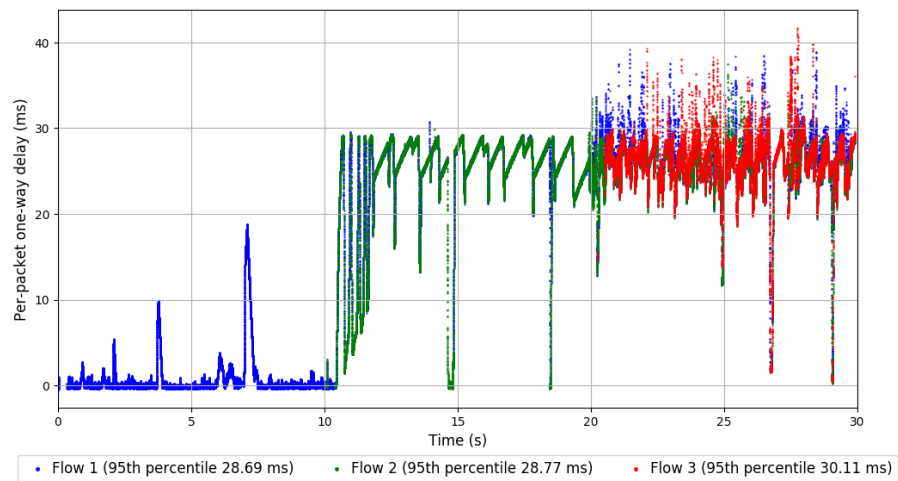
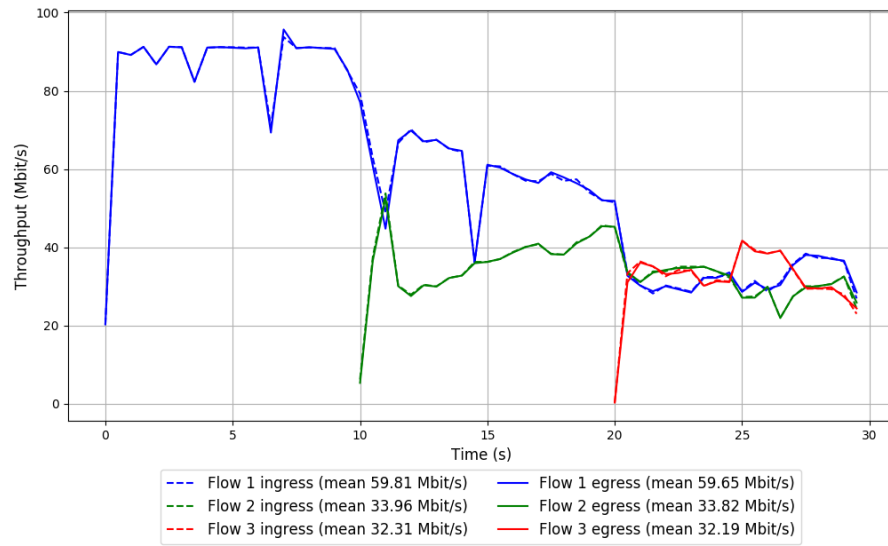


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-13 16:57:24
End at: 2018-02-13 16:57:54
Local clock offset: -5.196 ms
Remote clock offset: -7.938 ms

Below is generated by plot.py at 2018-02-13 20:50:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 28.789 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 28.689 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 28.771 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 30.109 ms
Loss rate: 0.25%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-02-13 17:17:54

End at: 2018-02-13 17:18:24

Local clock offset: -4.812 ms

Remote clock offset: -4.82 ms

Below is generated by plot.py at 2018-02-13 20:51:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 36.884 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 58.48 Mbit/s

95th percentile per-packet one-way delay: 32.043 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 37.10 Mbit/s

95th percentile per-packet one-way delay: 31.663 ms

Loss rate: 0.29%

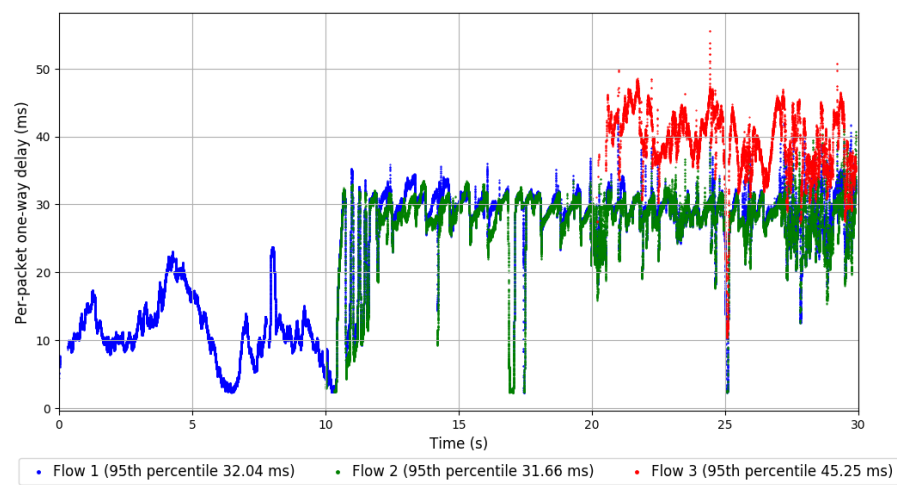
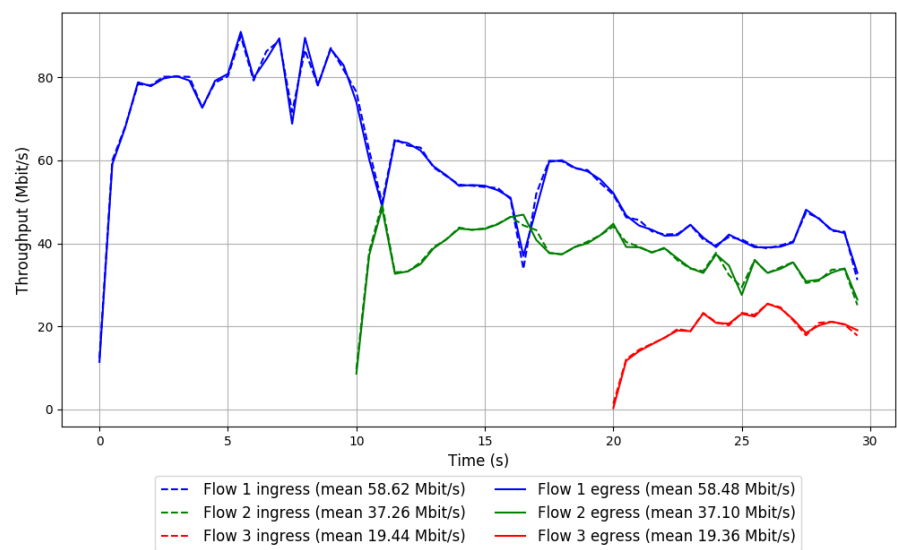
-- Flow 3:

Average throughput: 19.36 Mbit/s

95th percentile per-packet one-way delay: 45.254 ms

Loss rate: 0.34%

Run 2: Report of QUIC Cubic — Data Link

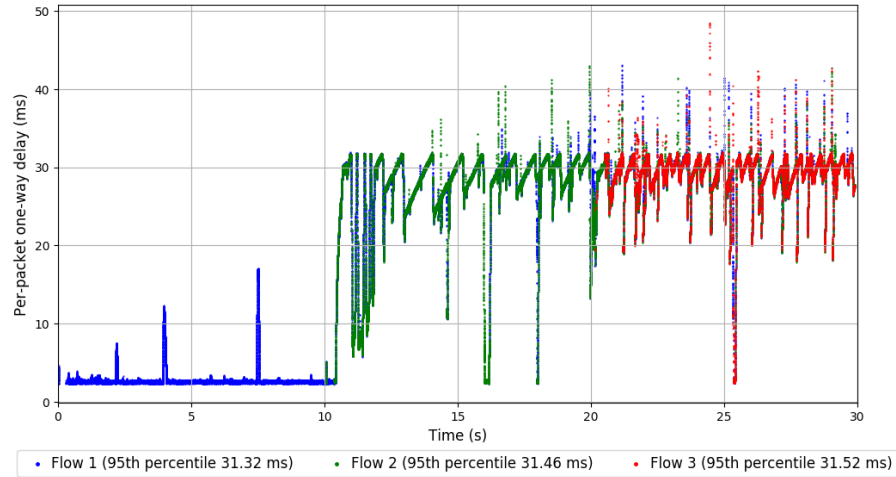
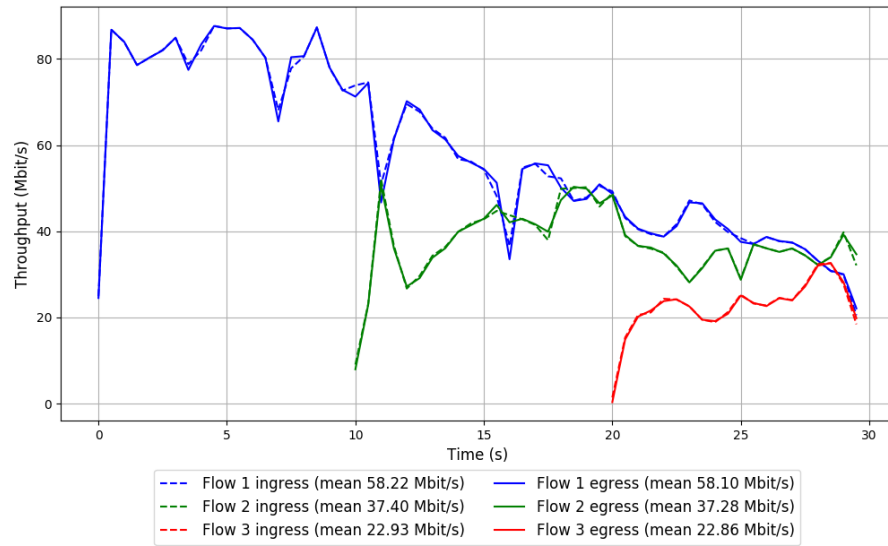


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-13 17:38:21
End at: 2018-02-13 17:38:51
Local clock offset: -3.65 ms
Remote clock offset: -4.435 ms

Below is generated by plot.py at 2018-02-13 20:51:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 31.404 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 31.321 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 31.457 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 31.522 ms
Loss rate: 0.28%

Run 3: Report of QUIC Cubic — Data Link

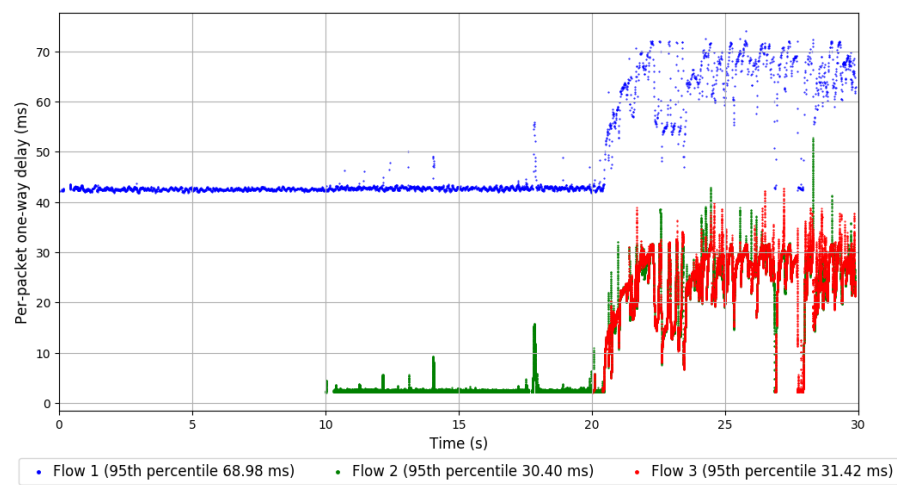
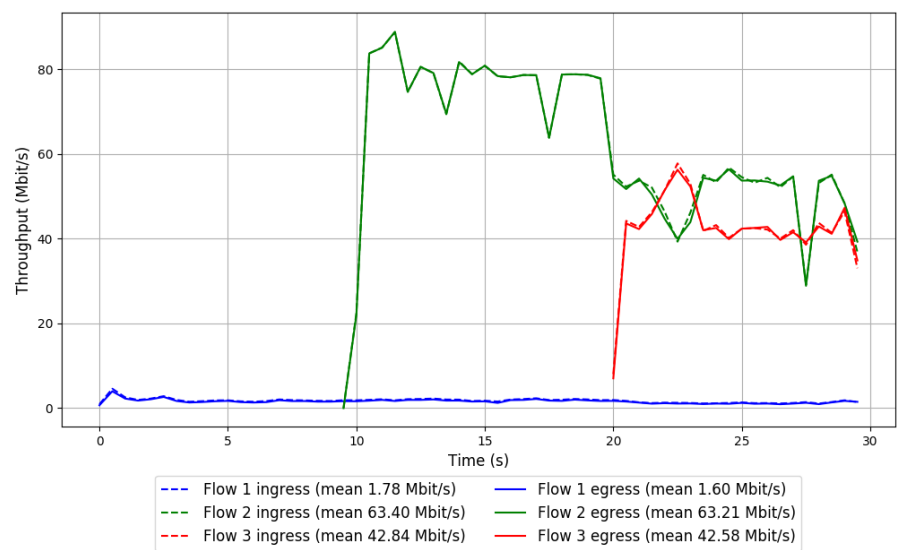


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-13 17:58:49
End at: 2018-02-13 17:59:19
Local clock offset: -3.812 ms
Remote clock offset: -4.289 ms

Below is generated by plot.py at 2018-02-13 20:51:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 31.445 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 68.977 ms
Loss rate: 10.16%
-- Flow 2:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 30.404 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 31.424 ms
Loss rate: 0.41%

Run 4: Report of QUIC Cubic — Data Link

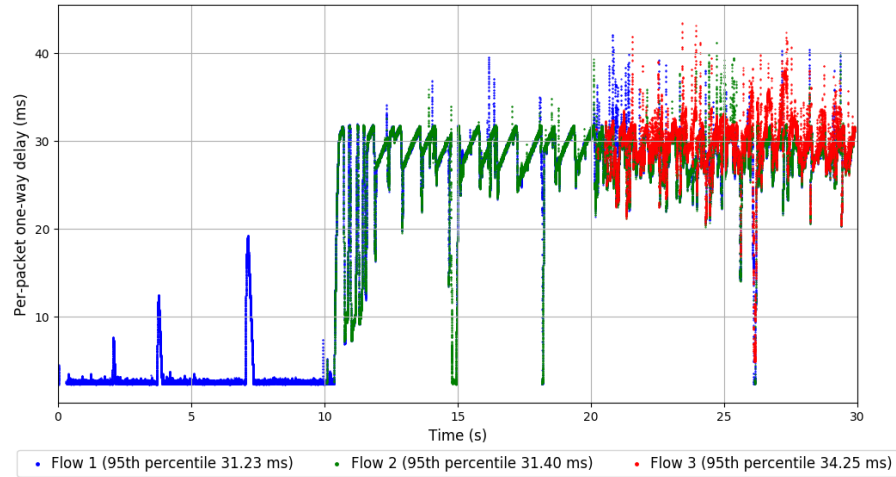
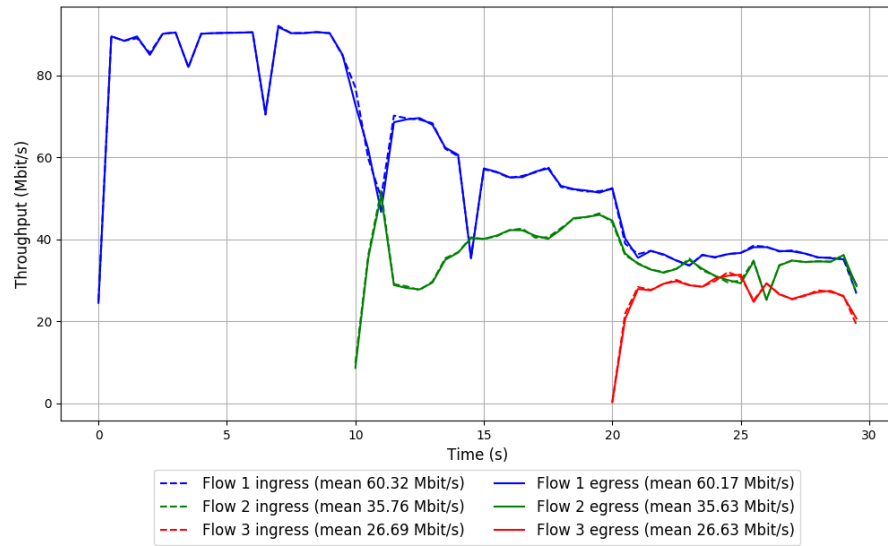


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-13 18:19:15
End at: 2018-02-13 18:19:45
Local clock offset: -3.955 ms
Remote clock offset: -4.167 ms

Below is generated by plot.py at 2018-02-13 20:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 31.426 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 60.17 Mbit/s
95th percentile per-packet one-way delay: 31.229 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 31.402 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 34.246 ms
Loss rate: 0.20%

Run 5: Report of QUIC Cubic — Data Link

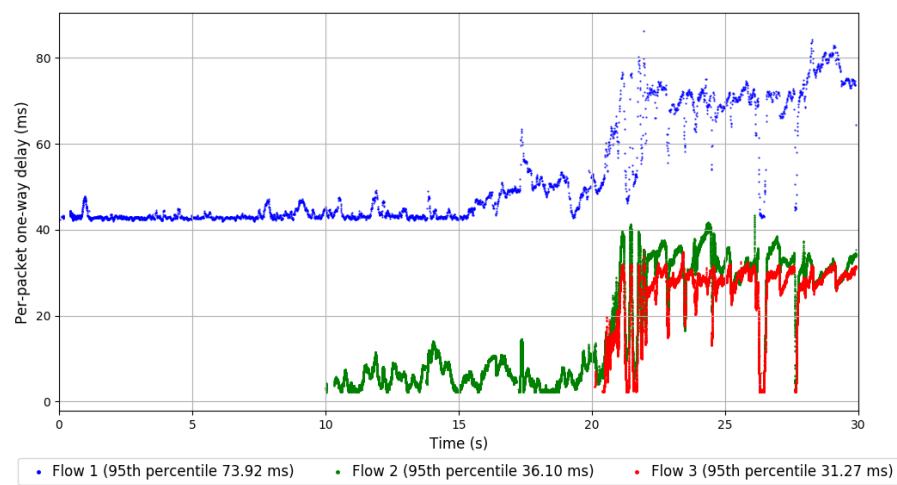
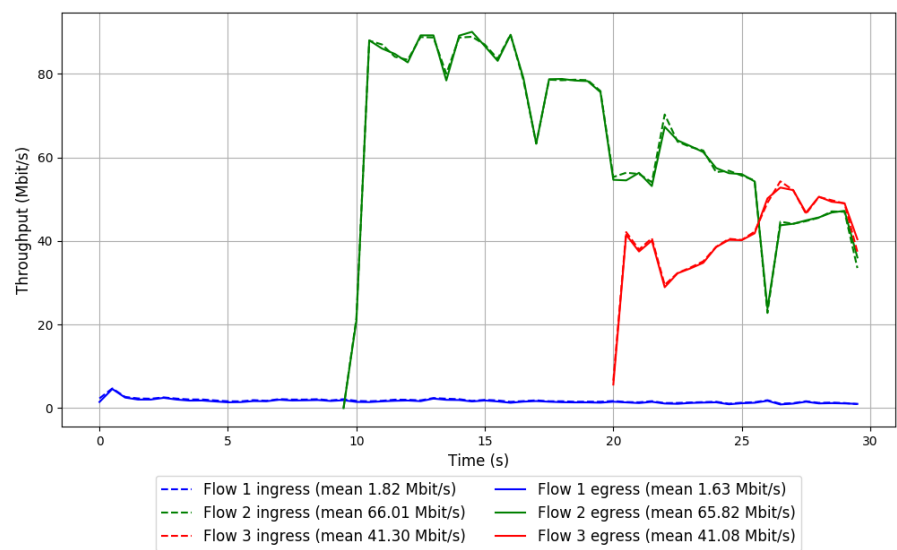


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-13 18:39:41
End at: 2018-02-13 18:40:11
Local clock offset: -4.609 ms
Remote clock offset: -4.083 ms

Below is generated by plot.py at 2018-02-13 20:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 37.382 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 73.921 ms
Loss rate: 10.18%
-- Flow 2:
Average throughput: 65.82 Mbit/s
95th percentile per-packet one-way delay: 36.105 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 31.273 ms
Loss rate: 0.25%

Run 6: Report of QUIC Cubic — Data Link

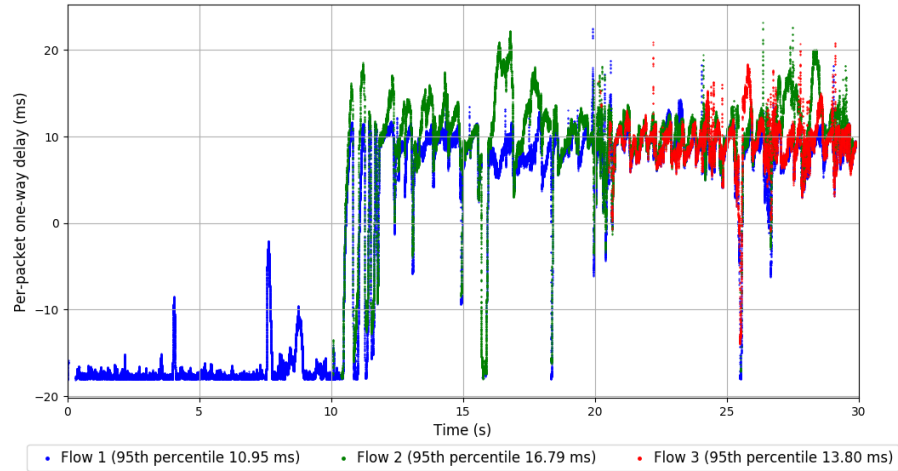
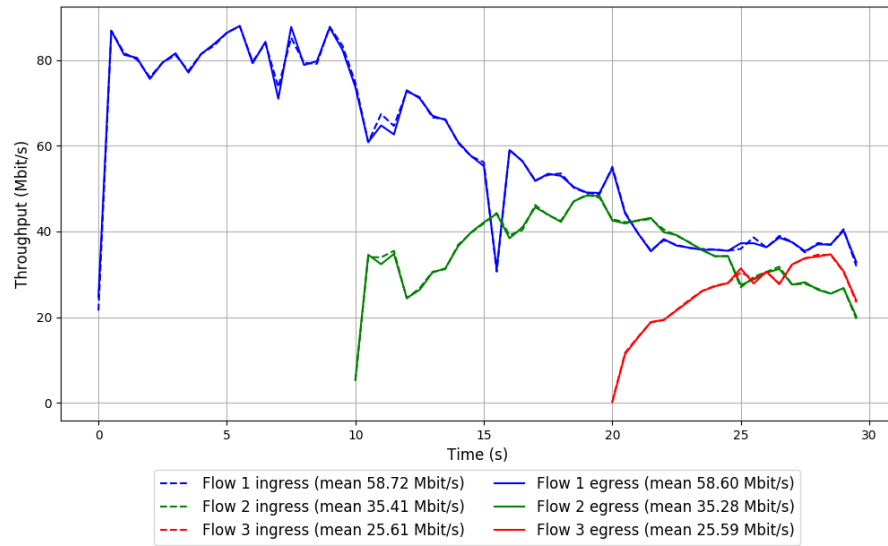


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-13 19:00:11
End at: 2018-02-13 19:00:41
Local clock offset: -4.678 ms
Remote clock offset: -24.501 ms

Below is generated by plot.py at 2018-02-13 20:51:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 13.192 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 10.945 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 16.793 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 13.797 ms
Loss rate: 0.18%

Run 7: Report of QUIC Cubic — Data Link

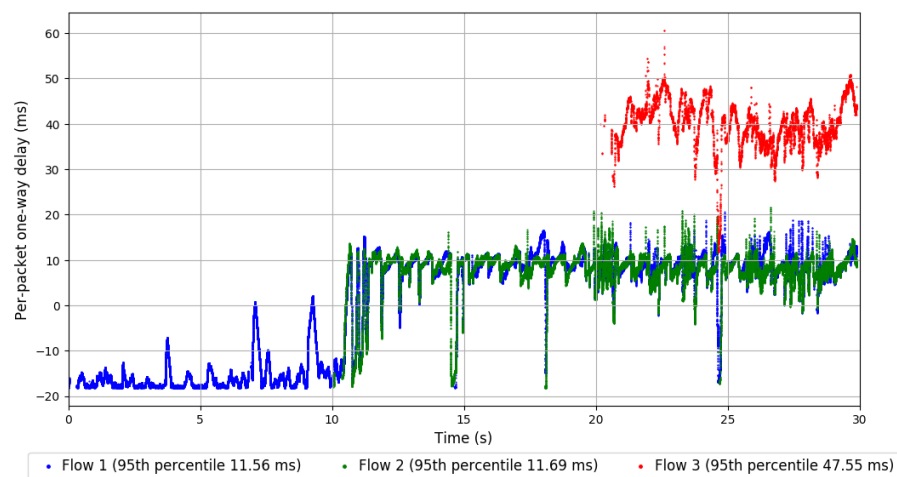
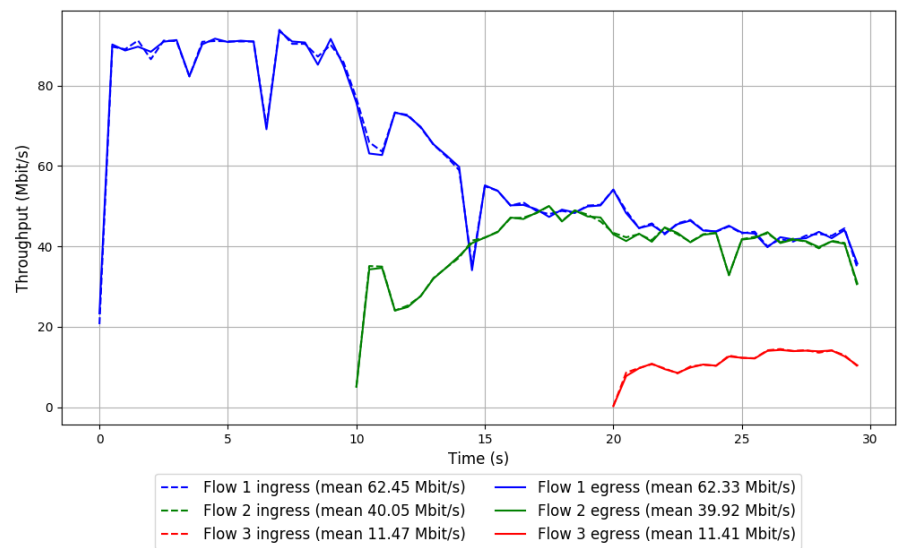


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-13 19:20:41
End at: 2018-02-13 19:21:11
Local clock offset: -4.3 ms
Remote clock offset: -24.745 ms

Below is generated by plot.py at 2018-02-13 20:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 14.140 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 62.33 Mbit/s
95th percentile per-packet one-way delay: 11.562 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 11.693 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 47.550 ms
Loss rate: 0.70%

Run 8: Report of QUIC Cubic — Data Link

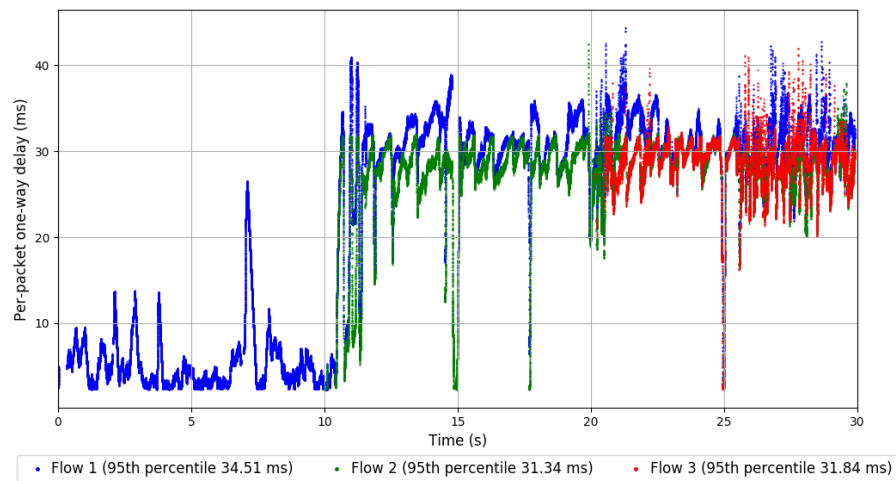
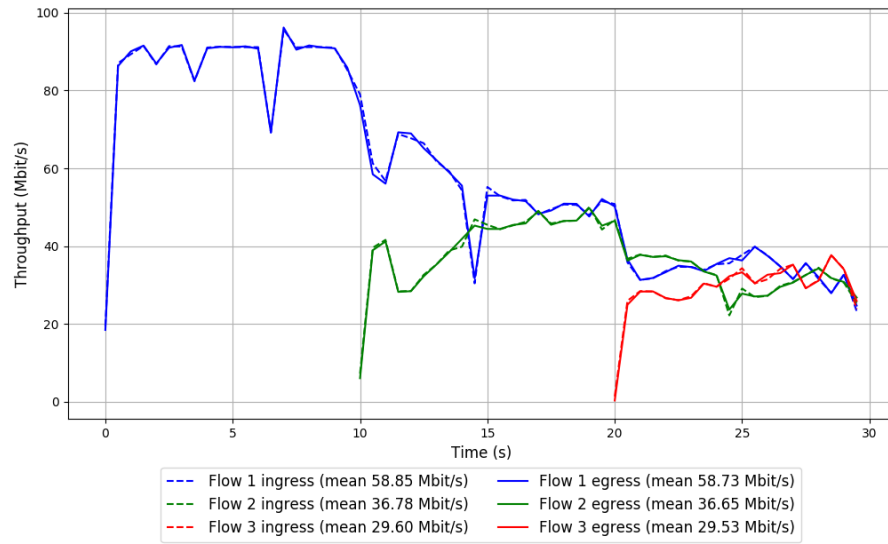


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-13 19:41:10
End at: 2018-02-13 19:41:40
Local clock offset: -5.001 ms
Remote clock offset: -3.554 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 33.751 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 34.513 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 31.344 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 29.53 Mbit/s
95th percentile per-packet one-way delay: 31.837 ms
Loss rate: 0.21%

Run 9: Report of QUIC Cubic — Data Link

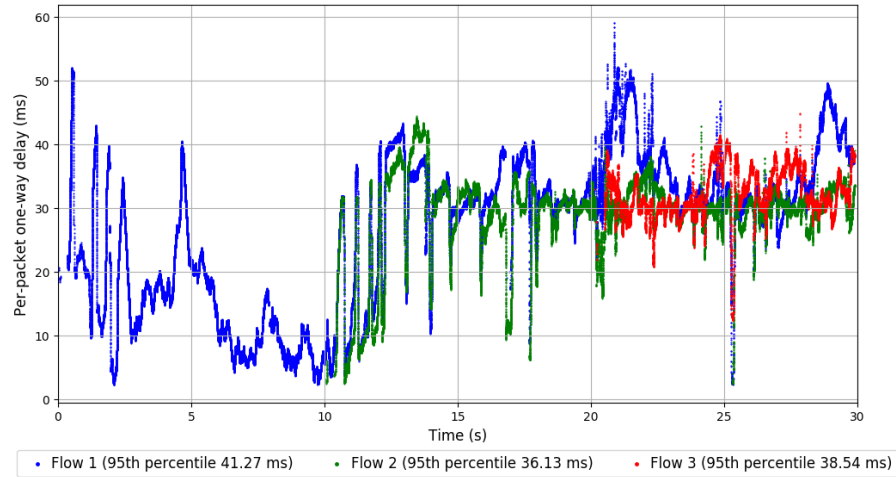
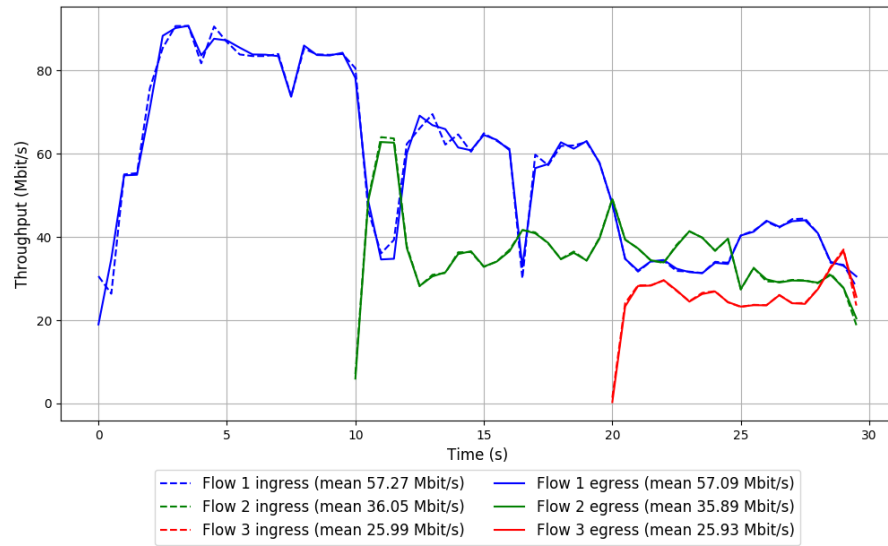


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-13 20:01:36
End at: 2018-02-13 20:02:06
Local clock offset: -5.499 ms
Remote clock offset: -3.977 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 40.151 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 41.268 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 36.131 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 25.93 Mbit/s
95th percentile per-packet one-way delay: 38.541 ms
Loss rate: 0.25%

Run 10: Report of QUIC Cubic — Data Link

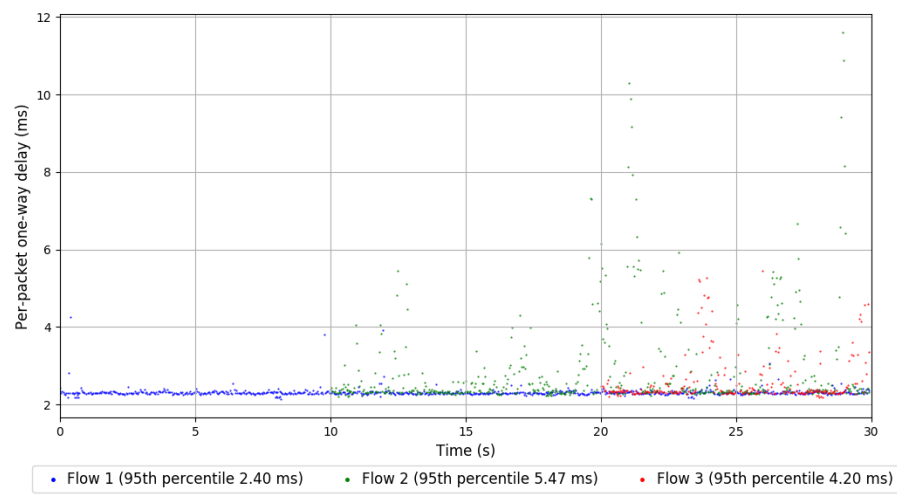
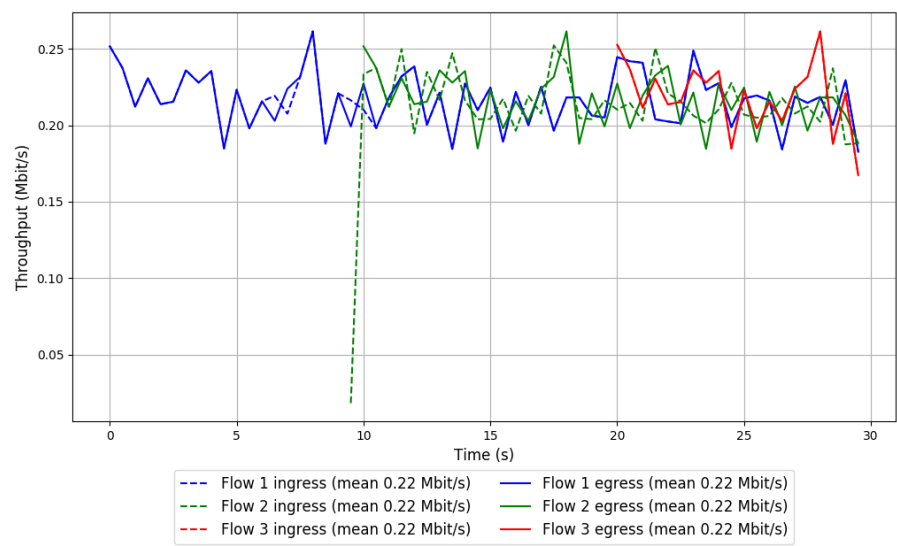


Run 1: Statistics of SReAM

Start at: 2018-02-13 17:01:55
End at: 2018-02-13 17:02:25
Local clock offset: -5.097 ms
Remote clock offset: -5.285 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 4.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.472 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.204 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

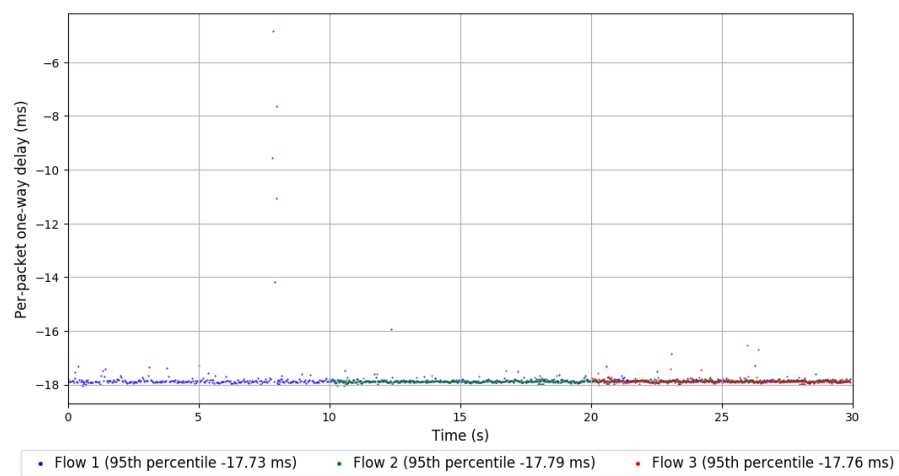
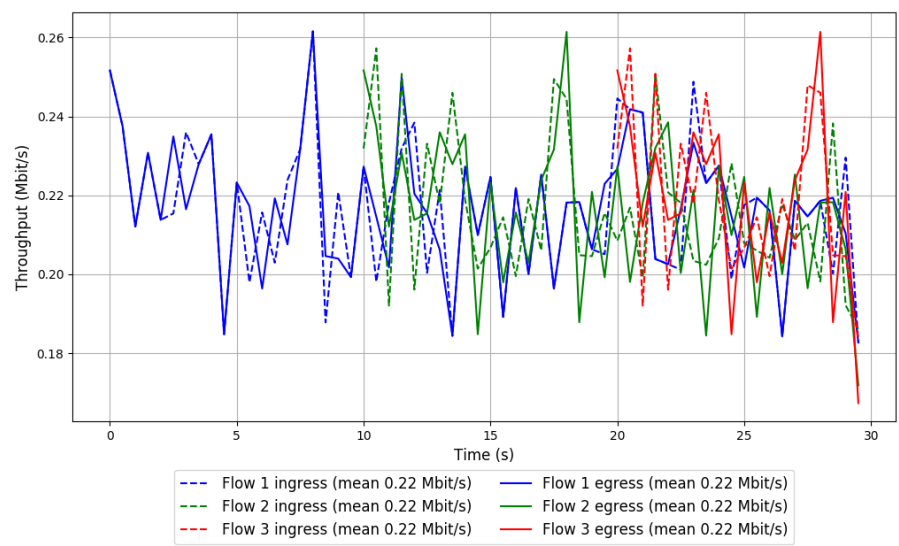


Run 2: Statistics of SReAM

Start at: 2018-02-13 17:22:25
End at: 2018-02-13 17:22:55
Local clock offset: -4.44 ms
Remote clock offset: -24.999 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -17.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.725 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.792 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.759 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

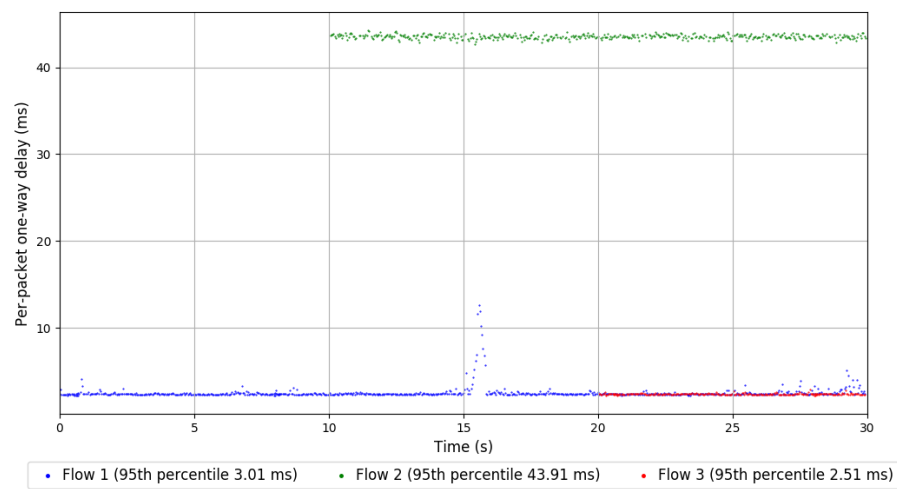
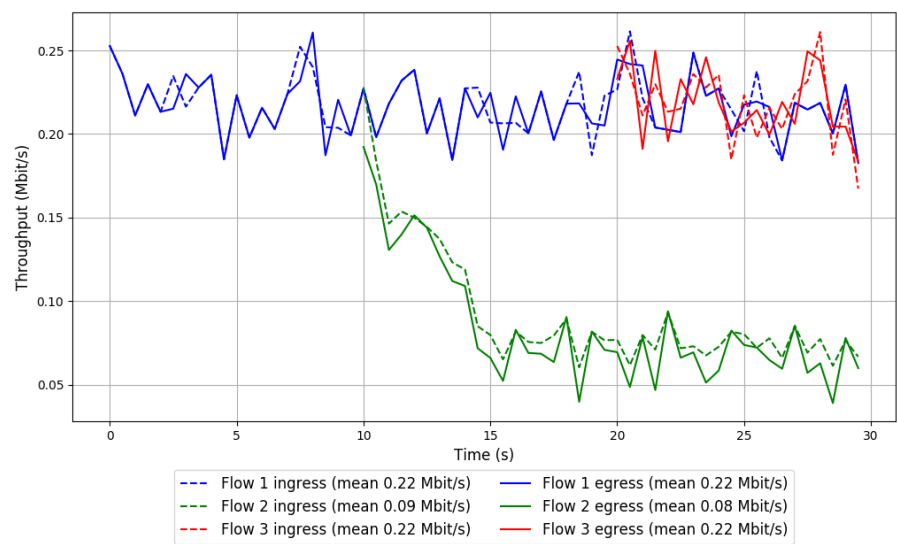


Run 3: Statistics of SCReAM

Start at: 2018-02-13 17:42:51
End at: 2018-02-13 17:43:21
Local clock offset: -3.531 ms
Remote clock offset: -4.435 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 43.777 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 43.913 ms
Loss rate: 9.87%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.513 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

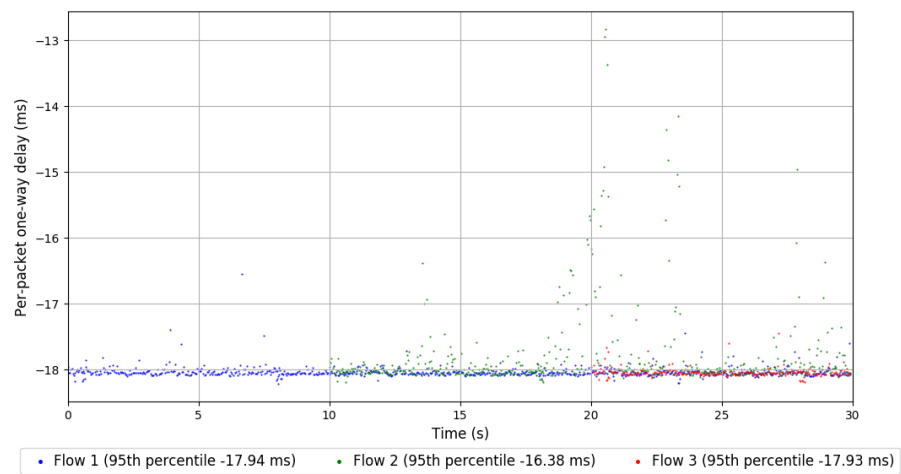
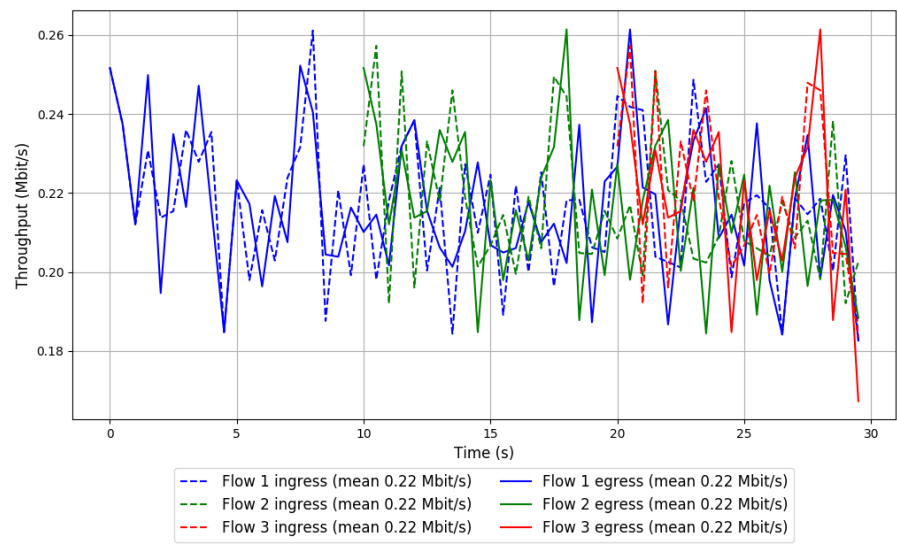


Run 4: Statistics of SReAM

Start at: 2018-02-13 18:03:19
End at: 2018-02-13 18:03:49
Local clock offset: -3.915 ms
Remote clock offset: -24.654 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -17.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -16.384 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -17.932 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-13 18:23:45

End at: 2018-02-13 18:24:15

Local clock offset: -3.895 ms

Remote clock offset: -4.14 ms

Below is generated by plot.py at 2018-02-13 20:52:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 7.049 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.461 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 9.376 ms

Loss rate: 0.00%

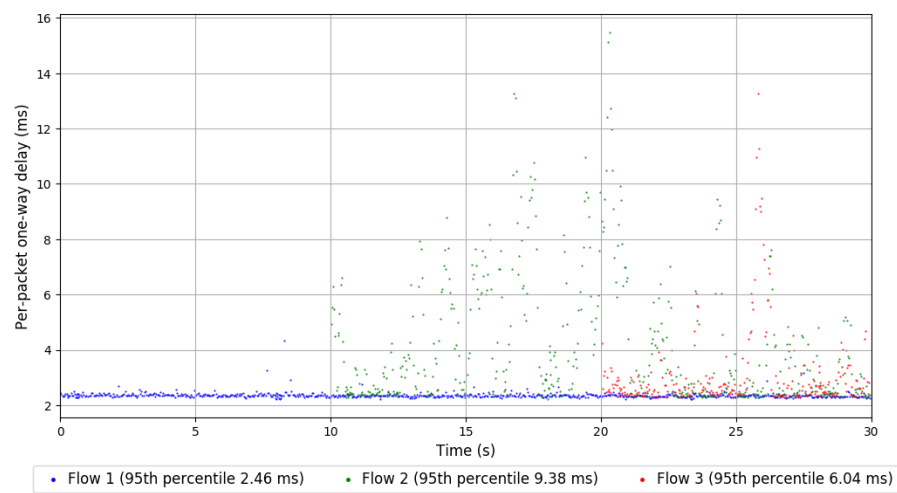
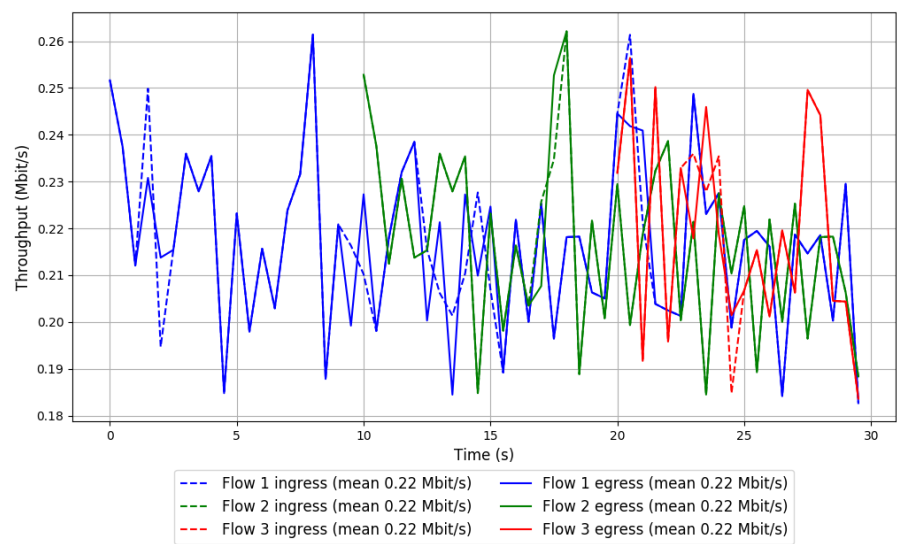
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 6.040 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

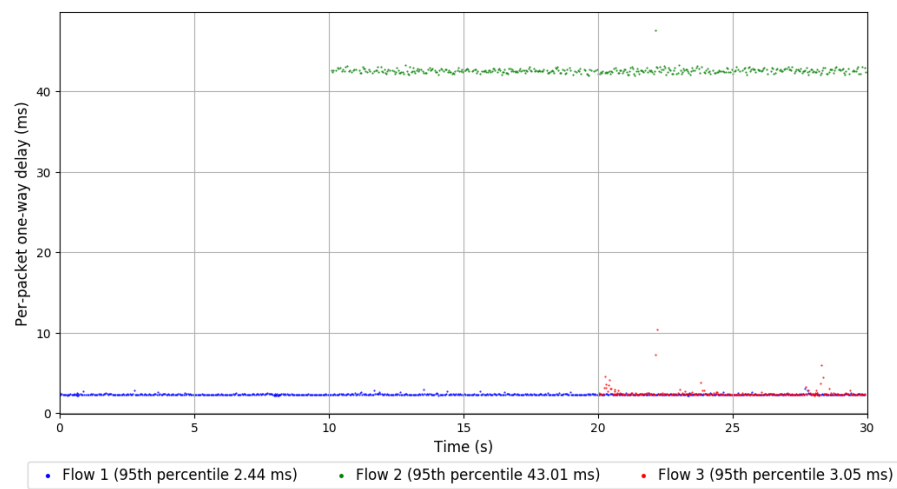
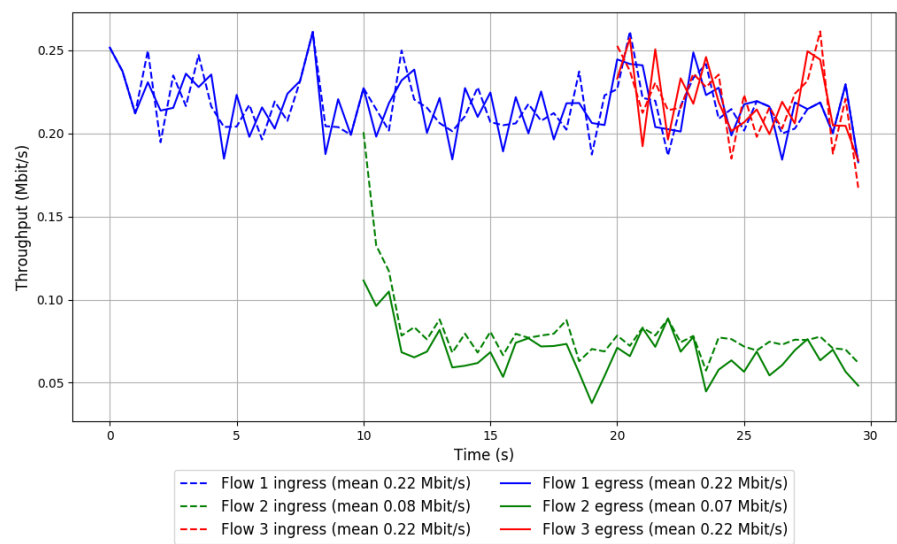


Run 6: Statistics of SReAM

Start at: 2018-02-13 18:44:11
End at: 2018-02-13 18:44:41
Local clock offset: -4.658 ms
Remote clock offset: -4.038 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 42.826 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.437 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 43.005 ms
Loss rate: 15.36%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.046 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

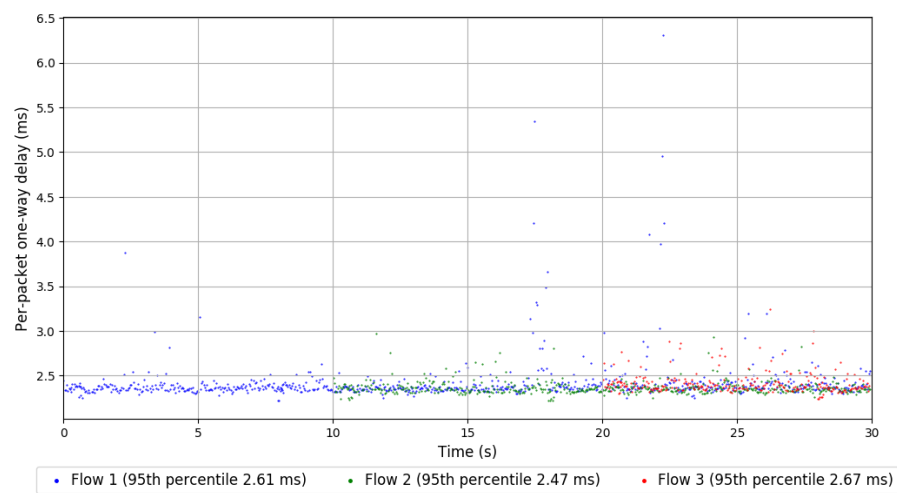
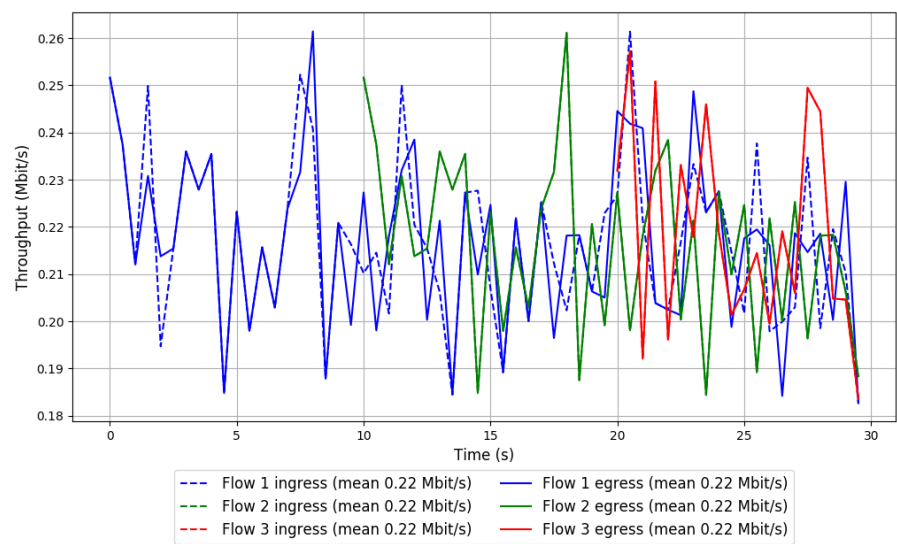


Run 7: Statistics of SReAM

Start at: 2018-02-13 19:04:44
End at: 2018-02-13 19:05:14
Local clock offset: -4.539 ms
Remote clock offset: -4.205 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.673 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

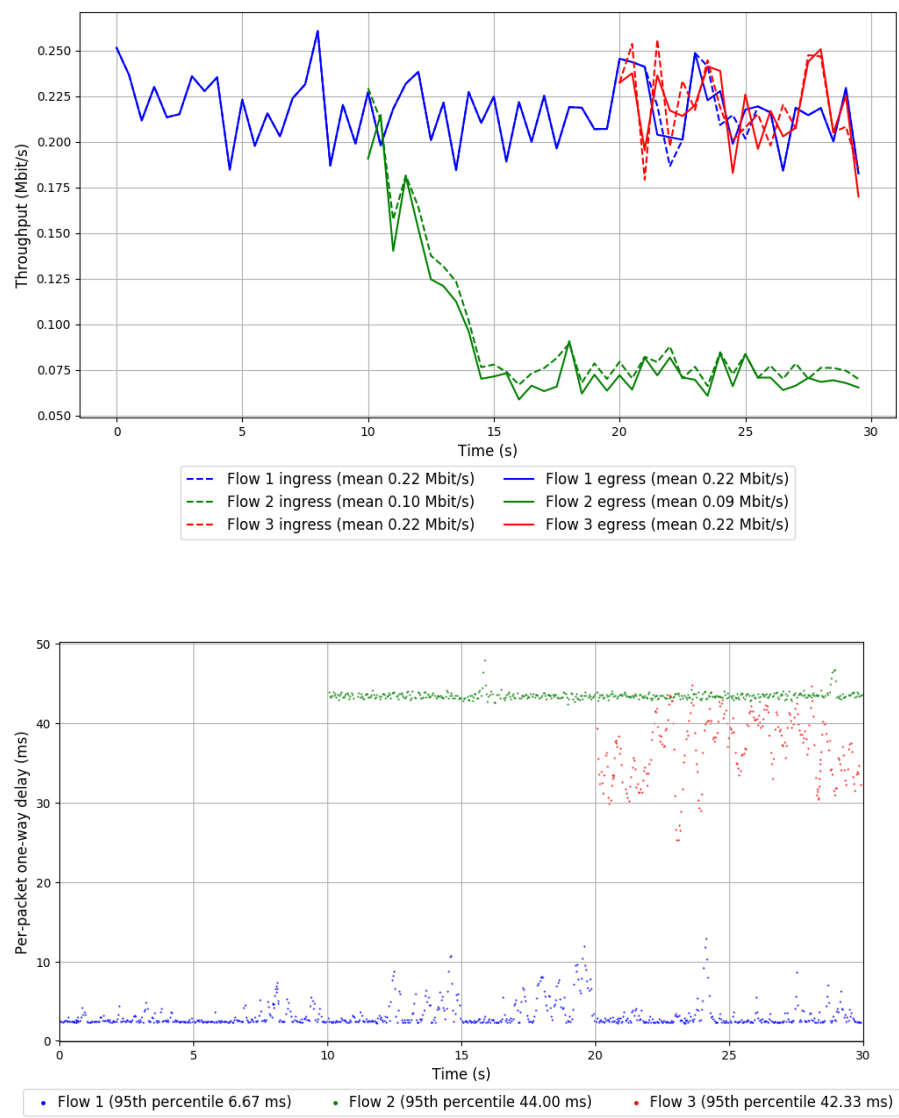


Run 8: Statistics of SReAM

Start at: 2018-02-13 19:25:13
End at: 2018-02-13 19:25:43
Local clock offset: -4.298 ms
Remote clock offset: -4.193 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 43.778 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.673 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 44.004 ms
Loss rate: 7.31%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.334 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

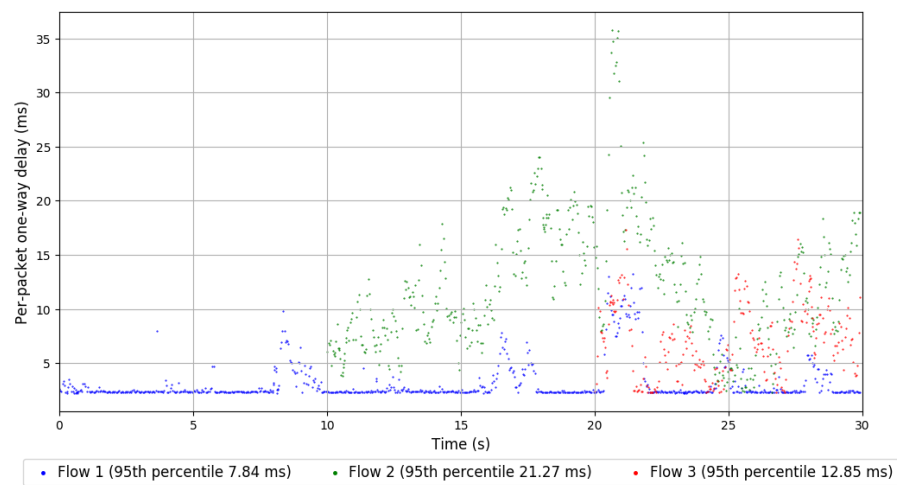
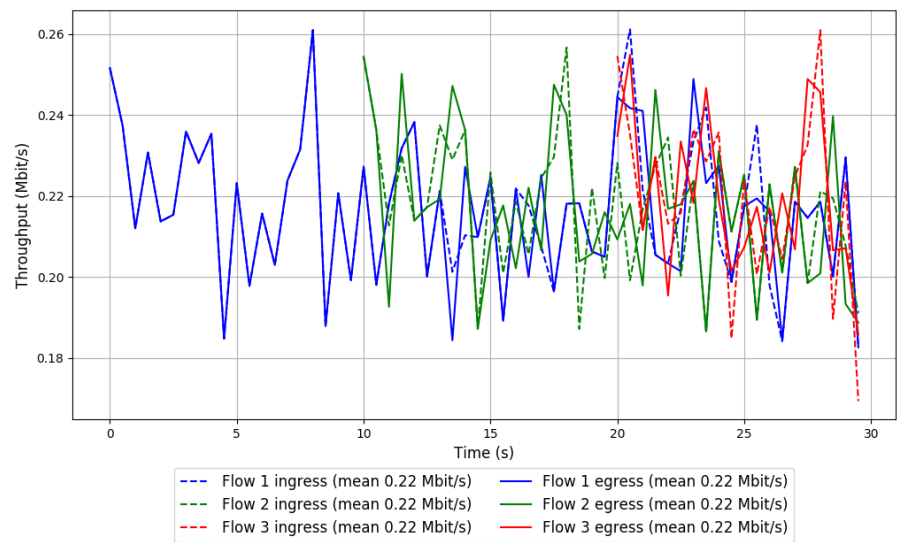


Run 9: Statistics of SReAM

Start at: 2018-02-13 19:45:41
End at: 2018-02-13 19:46:11
Local clock offset: -5.143 ms
Remote clock offset: -3.432 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 18.418 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 7.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.275 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.848 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

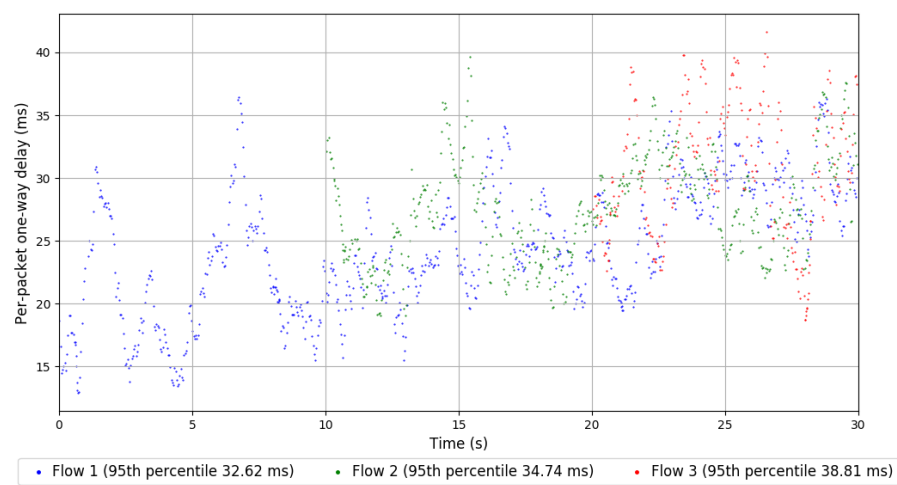
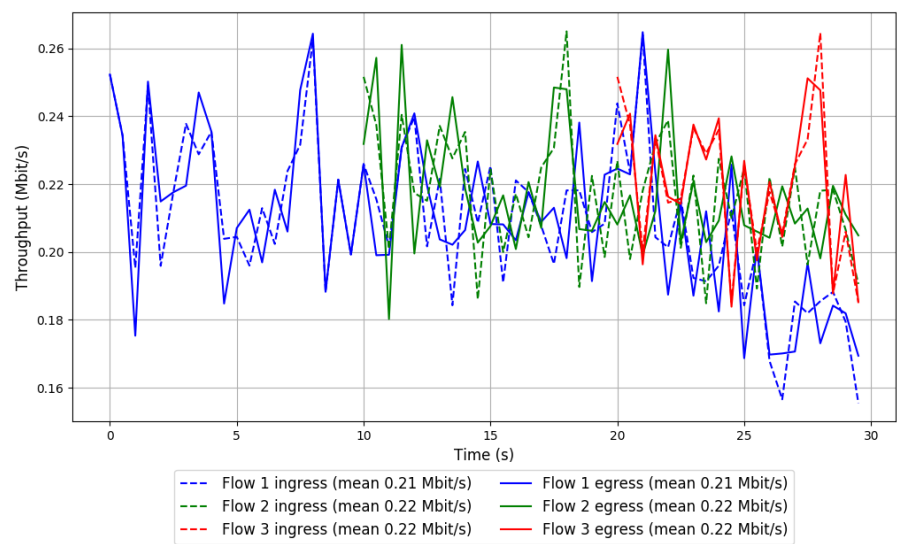


Run 10: Statistics of SCReAM

Start at: 2018-02-13 20:06:12
End at: 2018-02-13 20:06:42
Local clock offset: 9.396 ms
Remote clock offset: -4.634 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 35.629 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 38.814 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

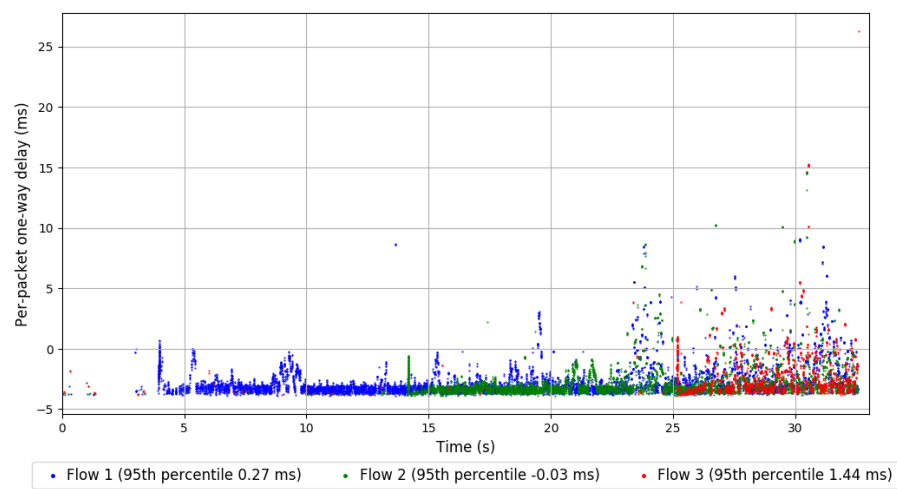
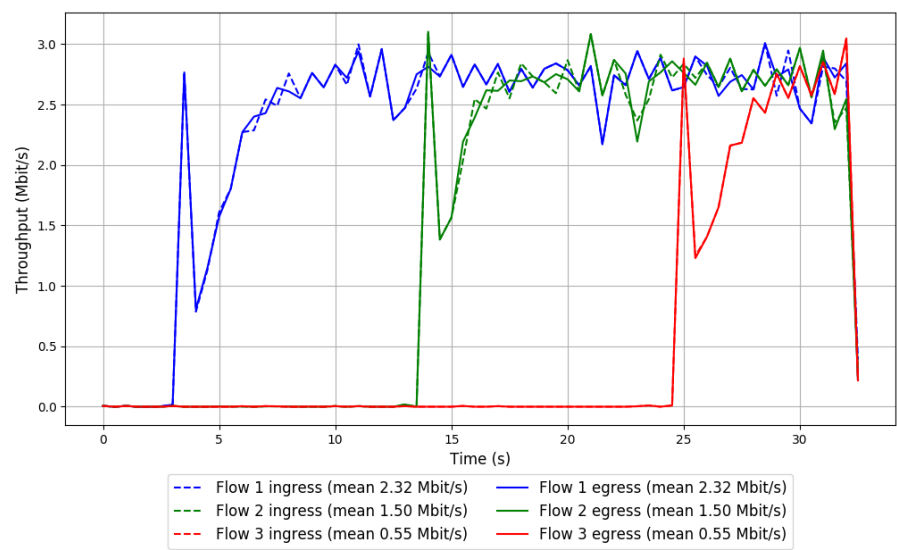


Run 1: Statistics of WebRTC media

Start at: 2018-02-13 16:58:32
End at: 2018-02-13 16:59:02
Local clock offset: -5.134 ms
Remote clock offset: -11.264 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 0.411 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 0.273 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -0.026 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

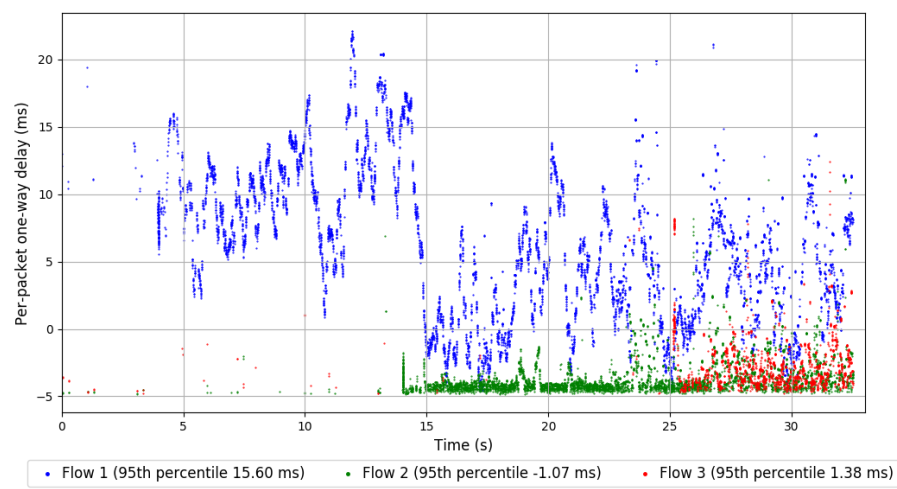
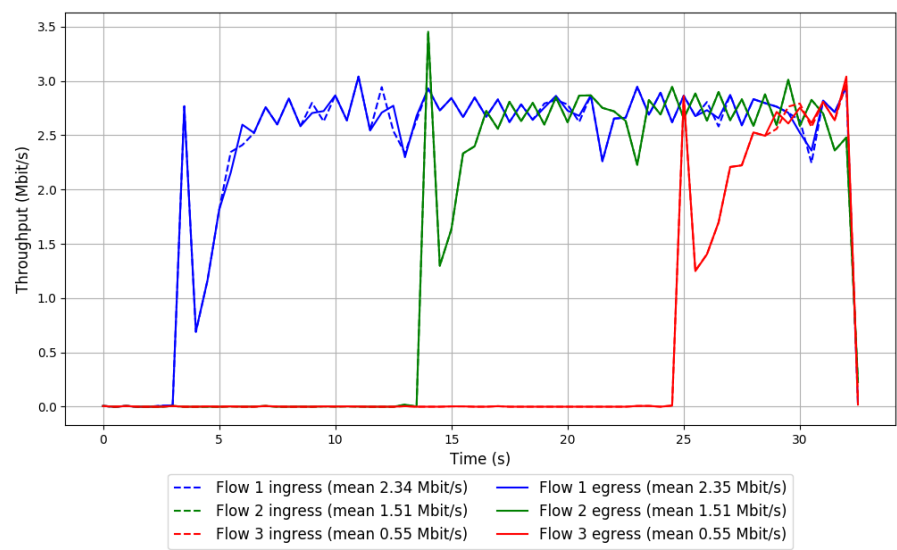


Run 2: Statistics of WebRTC media

Start at: 2018-02-13 17:19:02
End at: 2018-02-13 17:19:32
Local clock offset: -4.644 ms
Remote clock offset: -11.767 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 13.563 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 15.603 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -1.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 1.377 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

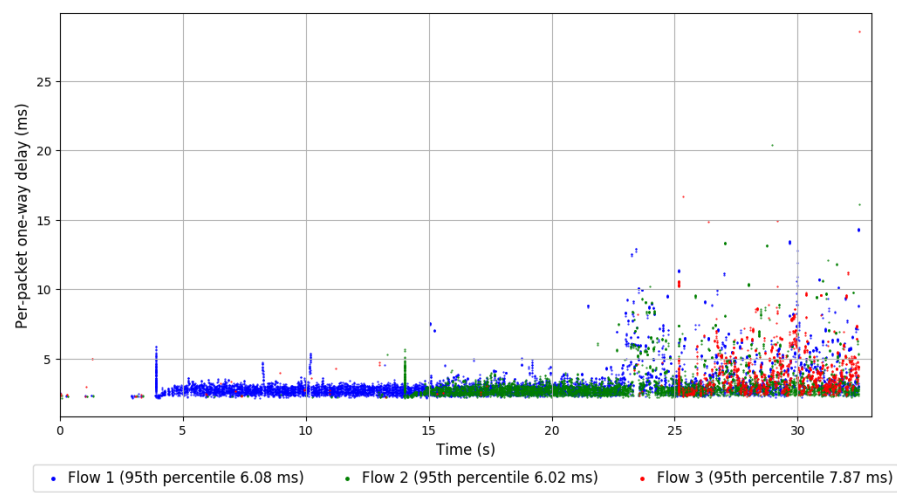
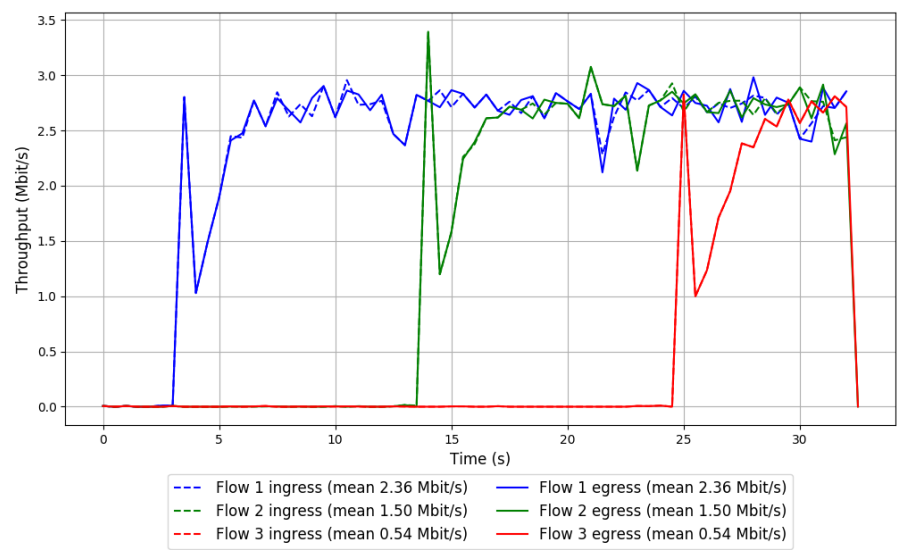


Run 3: Statistics of WebRTC media

Start at: 2018-02-13 17:39:29
End at: 2018-02-13 17:39:59
Local clock offset: -3.63 ms
Remote clock offset: -4.452 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 6.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 6.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 6.019 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 7.869 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

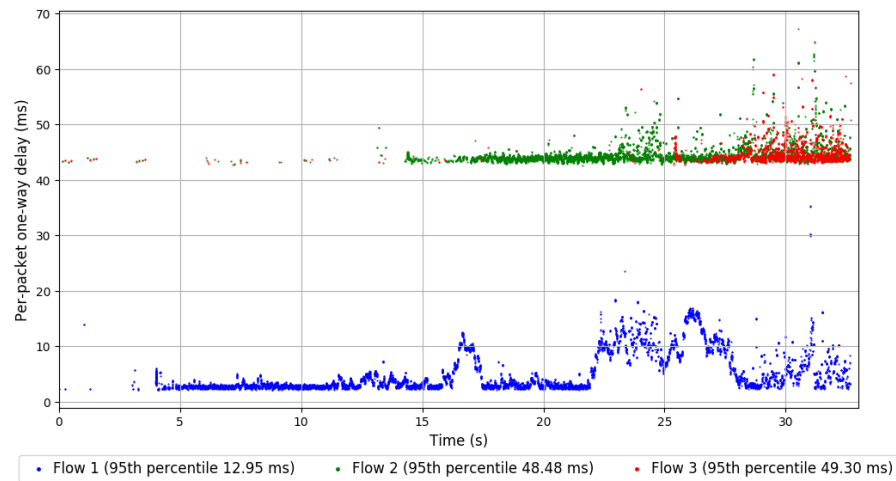
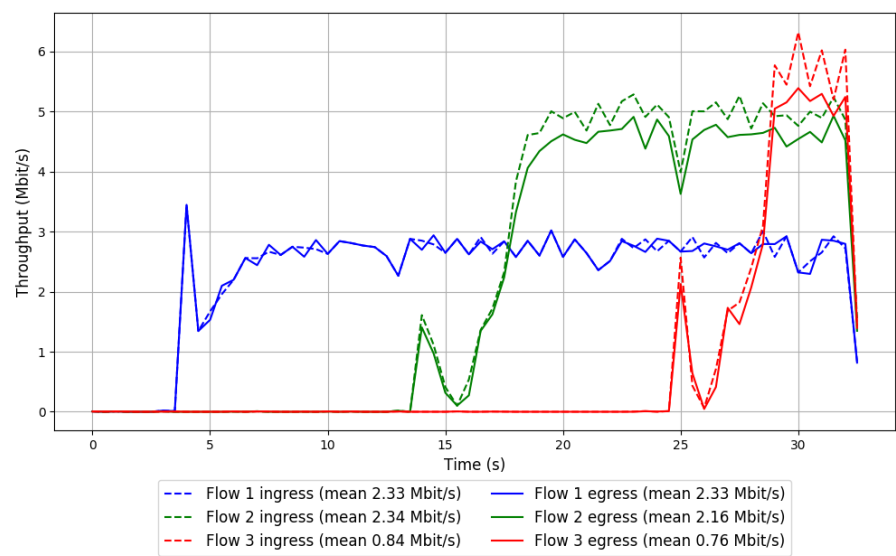


Run 4: Statistics of WebRTC media

Start at: 2018-02-13 17:59:56
End at: 2018-02-13 18:00:26
Local clock offset: -3.871 ms
Remote clock offset: -4.283 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 47.171 ms
Loss rate: 4.79%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 12.951 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 48.485 ms
Loss rate: 7.73%
-- Flow 3:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 49.298 ms
Loss rate: 9.93%

Run 4: Report of WebRTC media — Data Link

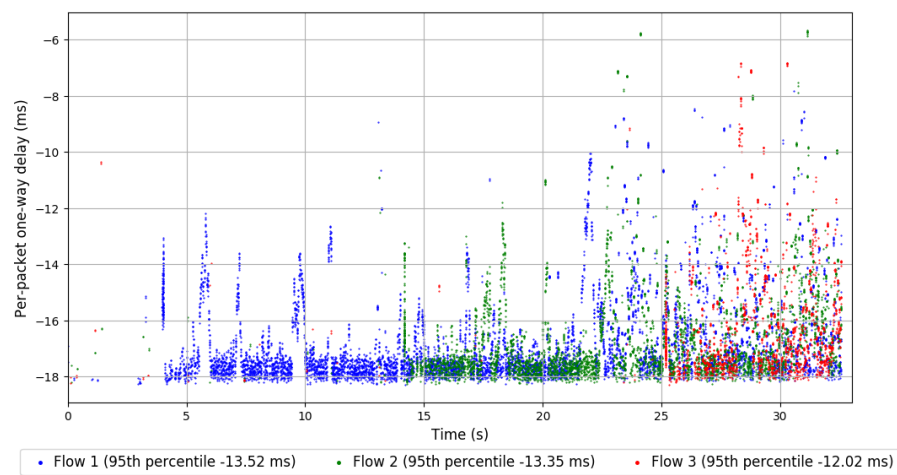
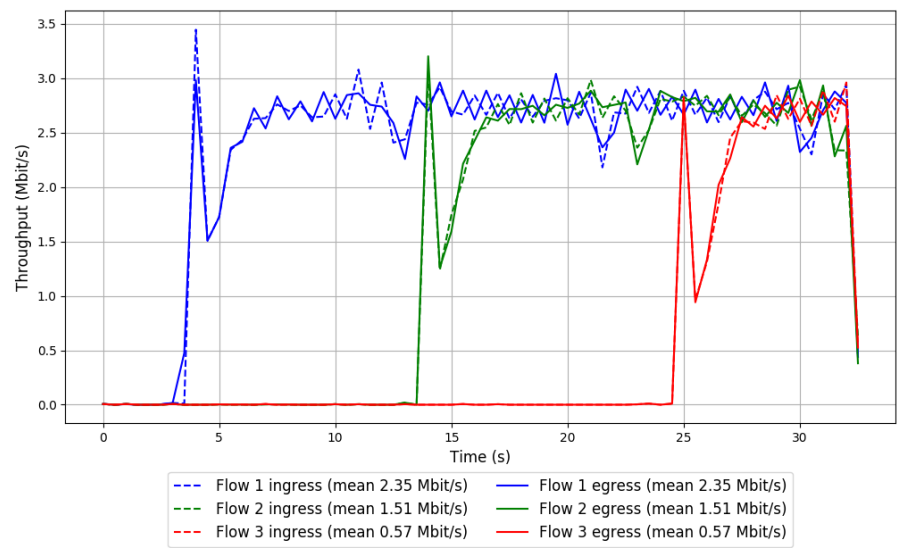


Run 5: Statistics of WebRTC media

Start at: 2018-02-13 18:20:23
End at: 2018-02-13 18:20:53
Local clock offset: -3.931 ms
Remote clock offset: -24.602 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: -13.177 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -13.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -13.353 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: -12.020 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

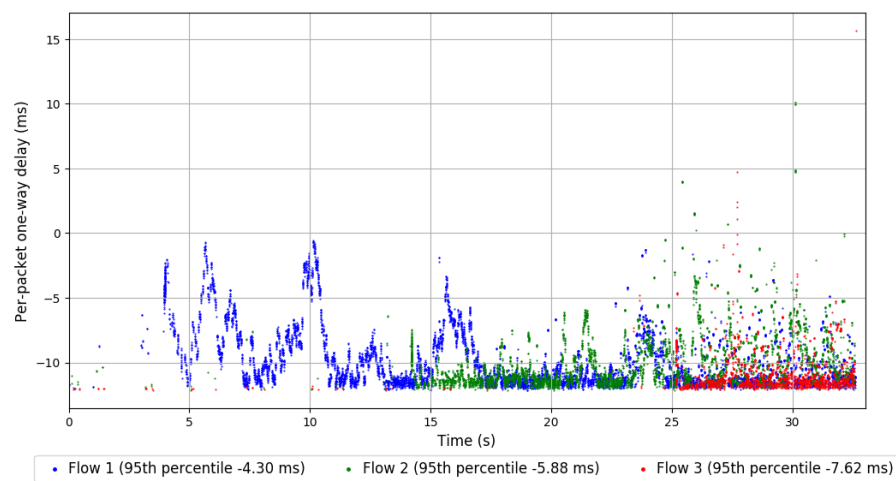
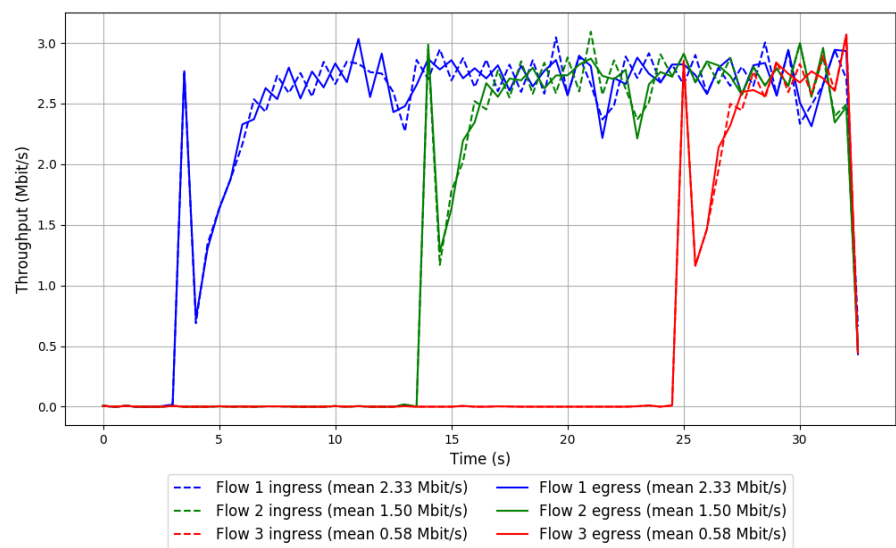


Run 6: Statistics of WebRTC media

Start at: 2018-02-13 18:40:48
End at: 2018-02-13 18:41:18
Local clock offset: -4.618 ms
Remote clock offset: -18.32 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: -5.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -4.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -5.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: -7.616 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

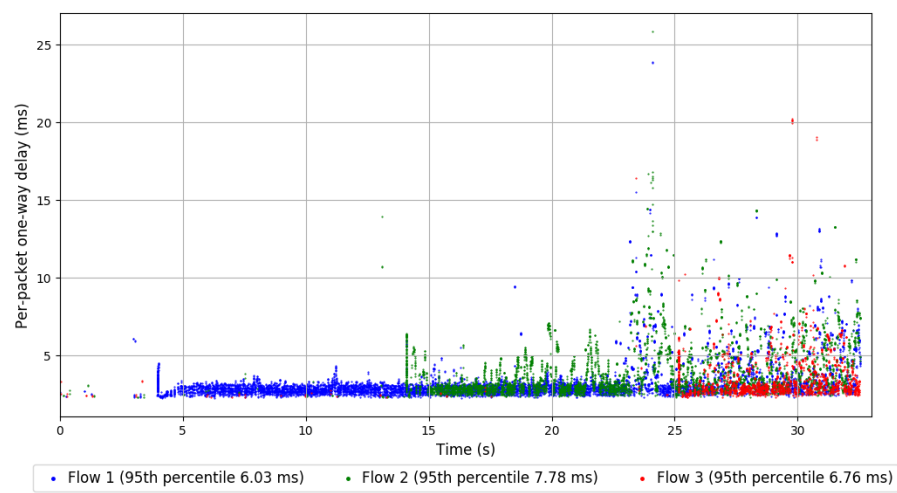
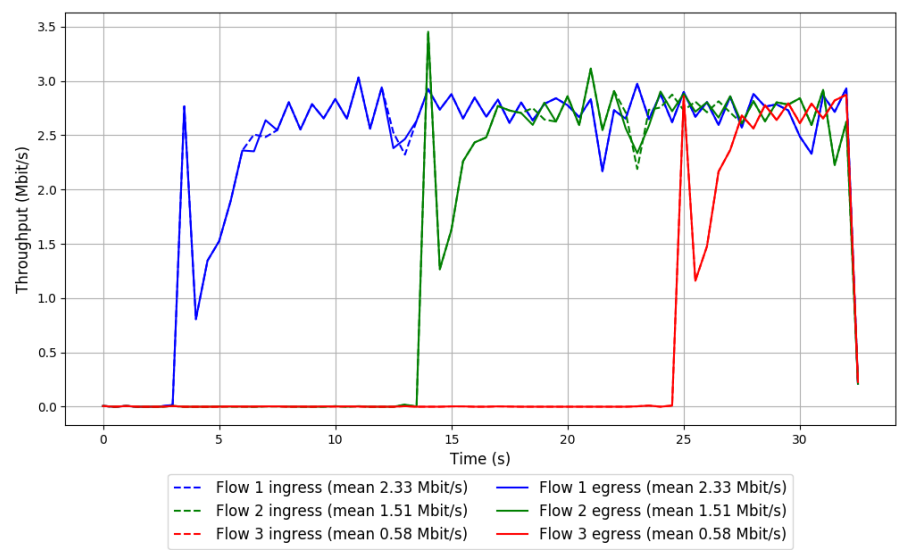


Run 7: Statistics of WebRTC media

Start at: 2018-02-13 19:01:19
End at: 2018-02-13 19:01:49
Local clock offset: -4.748 ms
Remote clock offset: -4.186 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 6.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 6.026 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 7.775 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 6.761 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

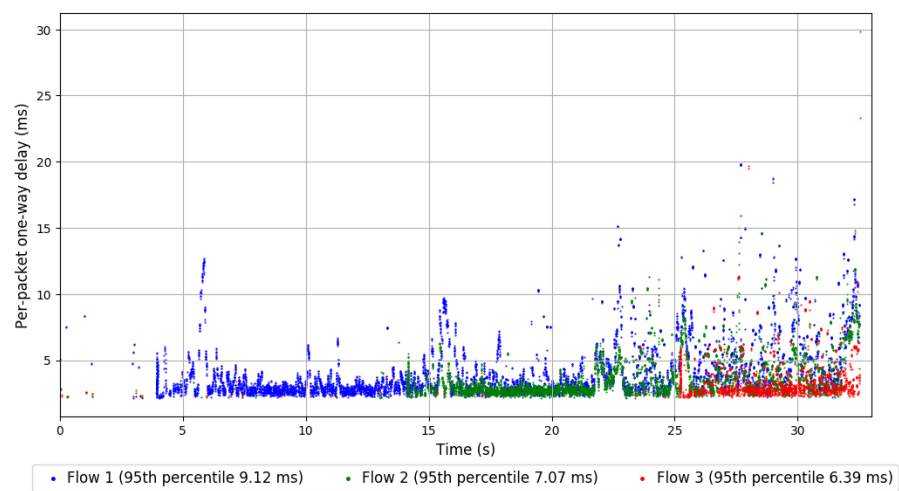
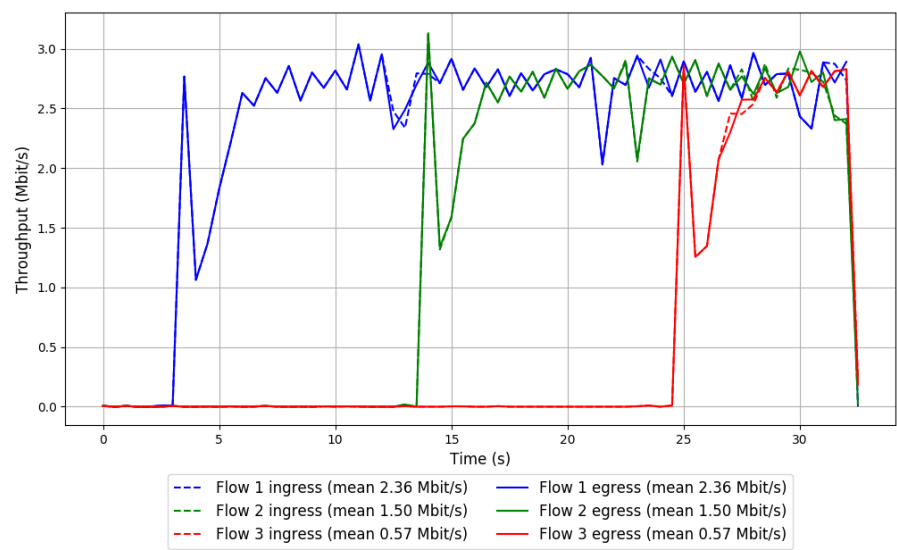


Run 8: Statistics of WebRTC media

Start at: 2018-02-13 19:21:49
End at: 2018-02-13 19:22:19
Local clock offset: -4.245 ms
Remote clock offset: -4.249 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 8.267 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 9.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 7.067 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 6.388 ms
Loss rate: 0.15%

Run 8: Report of WebRTC media — Data Link

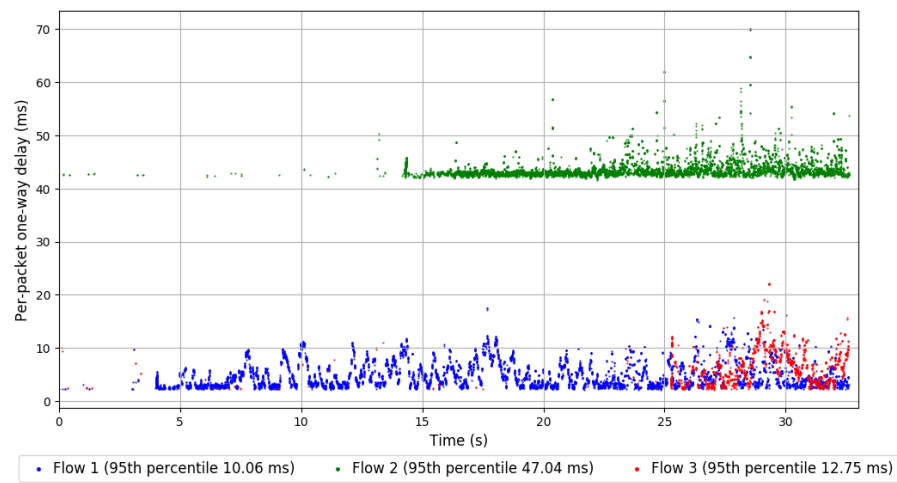
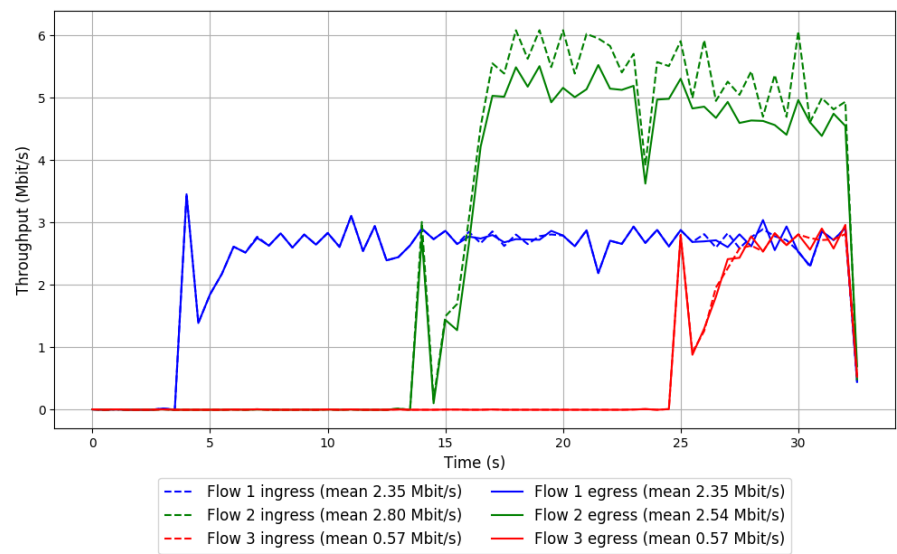


Run 9: Statistics of WebRTC media

Start at: 2018-02-13 19:42:18
End at: 2018-02-13 19:42:48
Local clock offset: -5.023 ms
Remote clock offset: -3.519 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 45.325 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 10.058 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 47.042 ms
Loss rate: 9.25%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 12.749 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

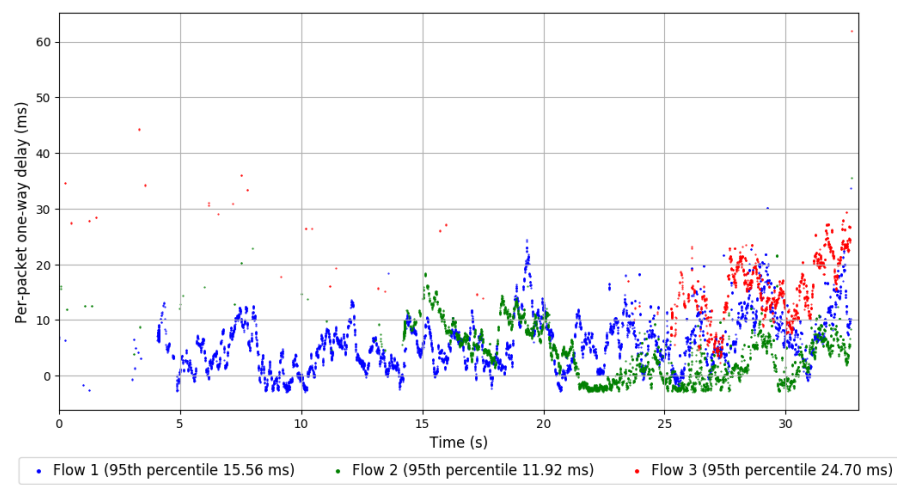
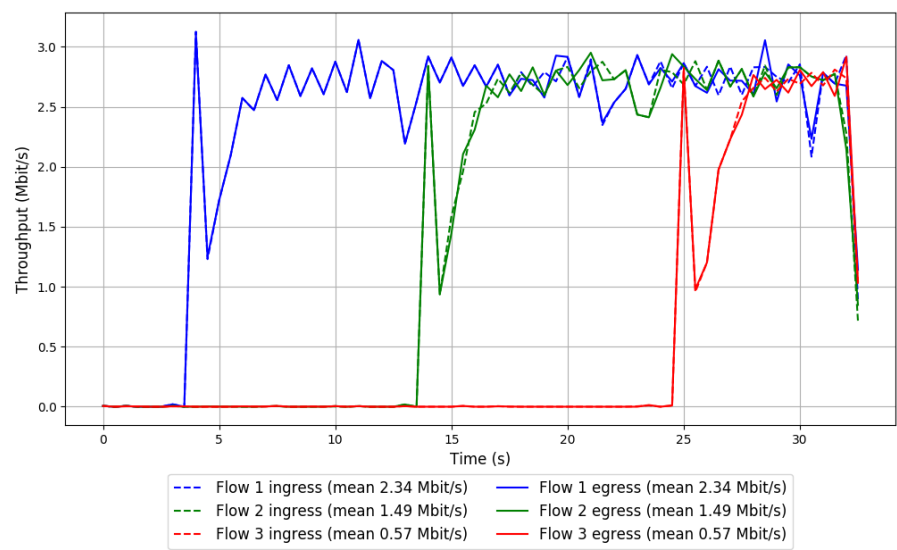


Run 10: Statistics of WebRTC media

Start at: 2018-02-13 20:02:45
End at: 2018-02-13 20:03:15
Local clock offset: -0.324 ms
Remote clock offset: -4.101 ms

Below is generated by plot.py at 2018-02-13 20:52:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 19.060 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 15.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 11.918 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 24.703 ms
Loss rate: 0.05%

Run 10: Report of WebRTC media — Data Link

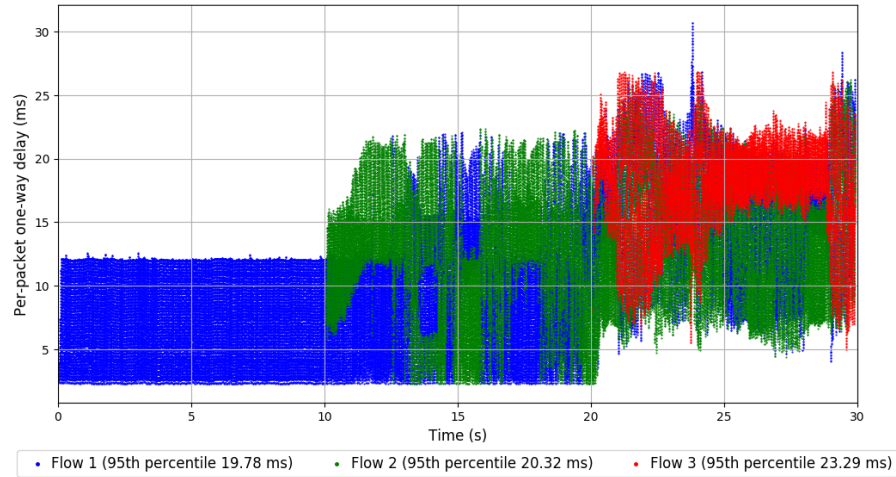
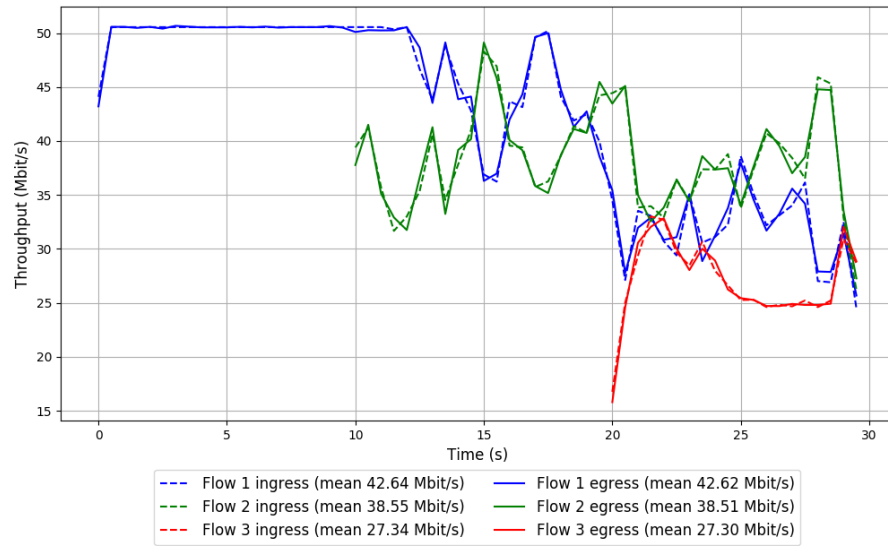


Run 1: Statistics of Sprout

Start at: 2018-02-13 16:53:59
End at: 2018-02-13 16:54:30
Local clock offset: -5.304 ms
Remote clock offset: -5.332 ms

Below is generated by plot.py at 2018-02-13 20:52:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 20.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 19.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.51 Mbit/s
95th percentile per-packet one-way delay: 20.317 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.30 Mbit/s
95th percentile per-packet one-way delay: 23.289 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

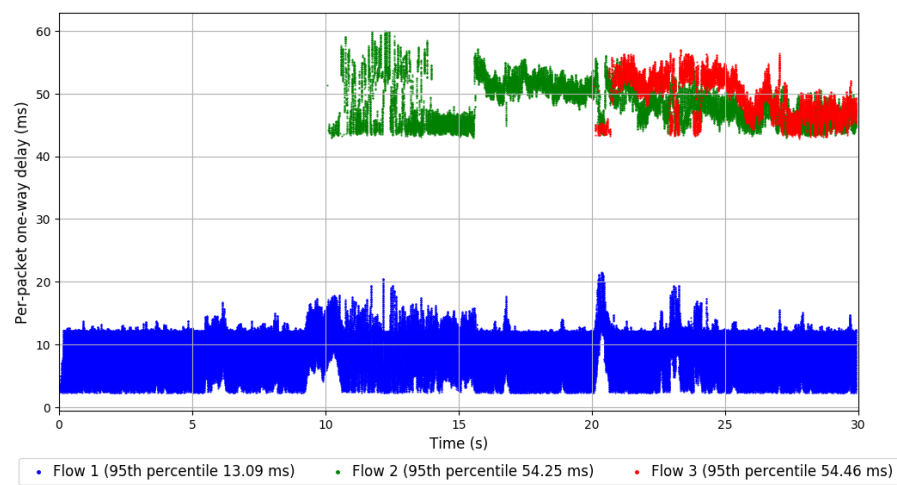
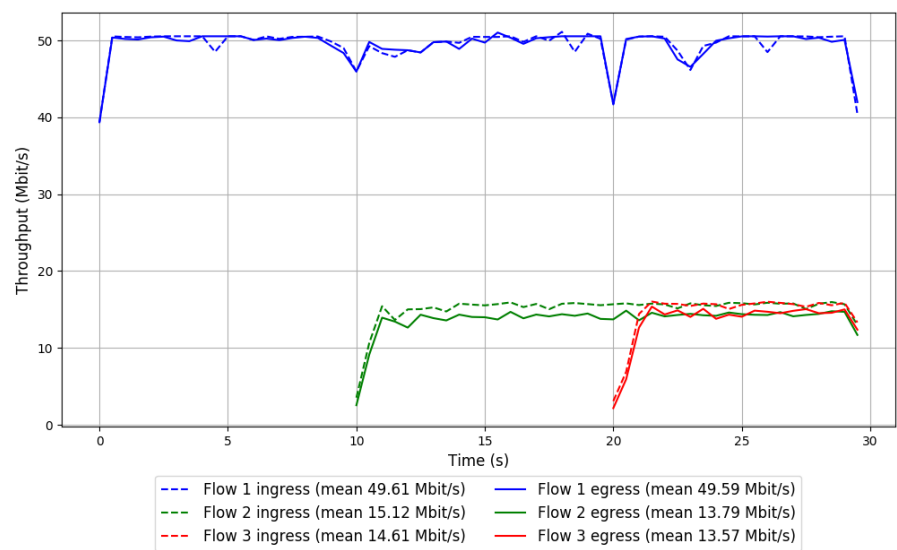


Run 2: Statistics of Sprout

Start at: 2018-02-13 17:14:30
End at: 2018-02-13 17:15:00
Local clock offset: -4.985 ms
Remote clock offset: -4.851 ms

```
# Below is generated by plot.py at 2018-02-13 20:52:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 51.796 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 13.087 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.79 Mbit/s
95th percentile per-packet one-way delay: 54.246 ms
Loss rate: 8.96%
-- Flow 3:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 54.456 ms
Loss rate: 7.52%
```

Run 2: Report of Sprout — Data Link

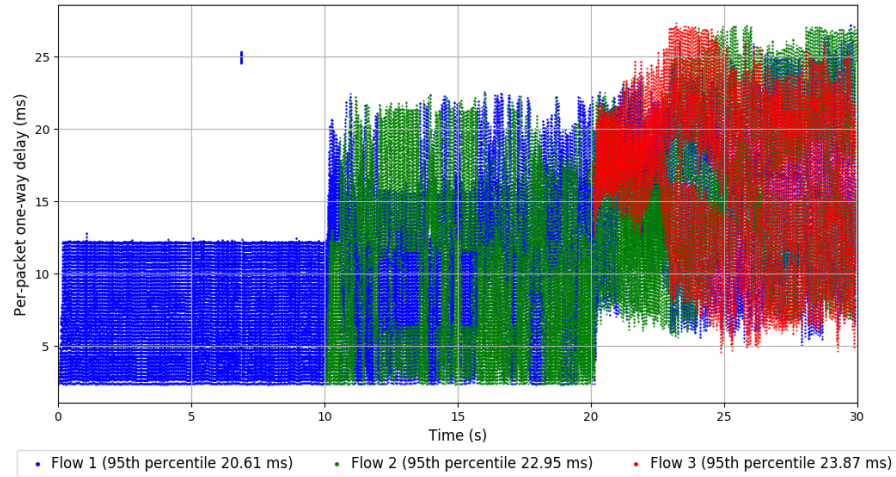
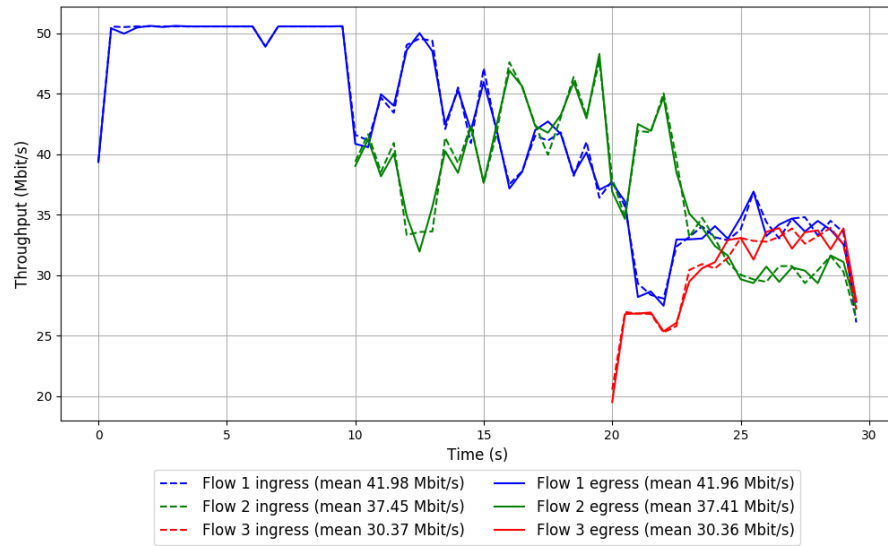


Run 3: Statistics of Sprout

Start at: 2018-02-13 17:34:58
End at: 2018-02-13 17:35:28
Local clock offset: -3.748 ms
Remote clock offset: -4.442 ms

```
# Below is generated by plot.py at 2018-02-13 20:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.87 Mbit/s
95th percentile per-packet one-way delay: 22.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 20.605 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 22.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.36 Mbit/s
95th percentile per-packet one-way delay: 23.871 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

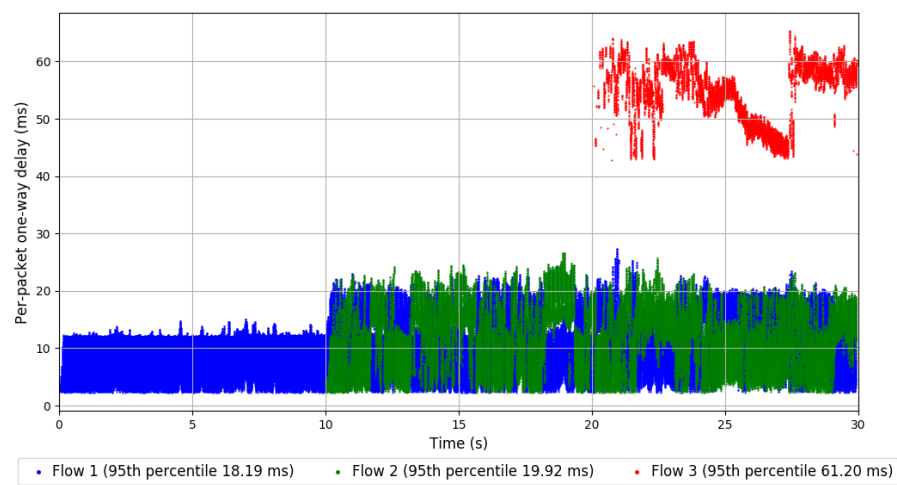
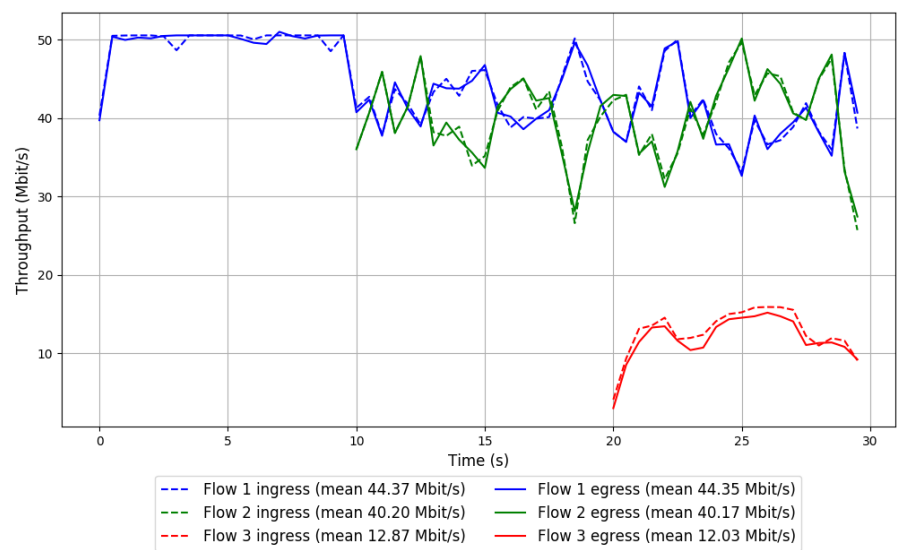


Run 4: Statistics of Sprout

Start at: 2018-02-13 17:55:25
End at: 2018-02-13 17:55:55
Local clock offset: -3.756 ms
Remote clock offset: -4.384 ms

```
# Below is generated by plot.py at 2018-02-13 20:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.01 Mbit/s
95th percentile per-packet one-way delay: 45.684 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 44.35 Mbit/s
95th percentile per-packet one-way delay: 18.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 19.916 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 61.200 ms
Loss rate: 6.66%
```

Run 4: Report of Sprout — Data Link

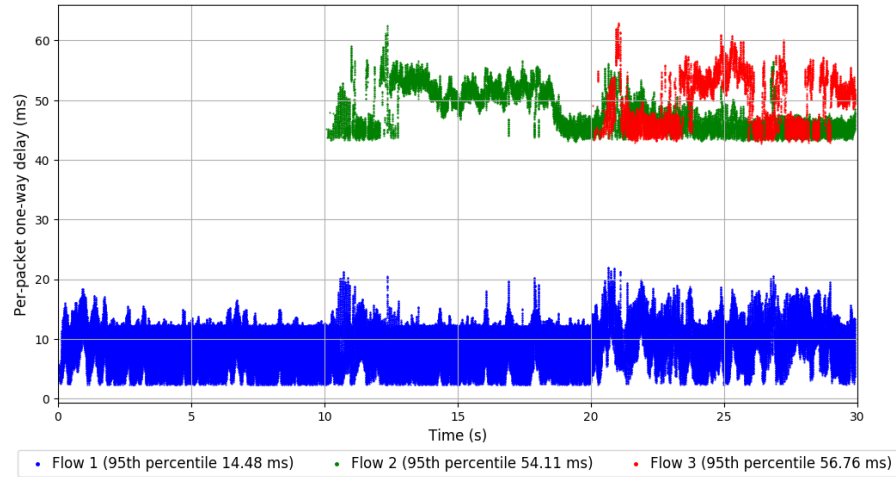
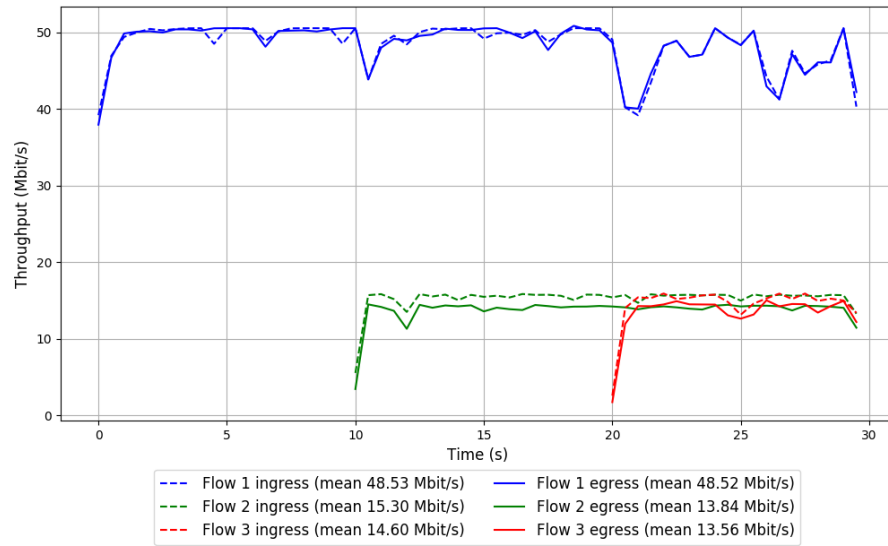


Run 5: Statistics of Sprout

Start at: 2018-02-13 18:15:51
End at: 2018-02-13 18:16:21
Local clock offset: -3.974 ms
Remote clock offset: -4.176 ms

Below is generated by plot.py at 2018-02-13 20:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 52.225 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 14.478 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 54.106 ms
Loss rate: 9.80%
-- Flow 3:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 56.763 ms
Loss rate: 7.48%

Run 5: Report of Sprout — Data Link

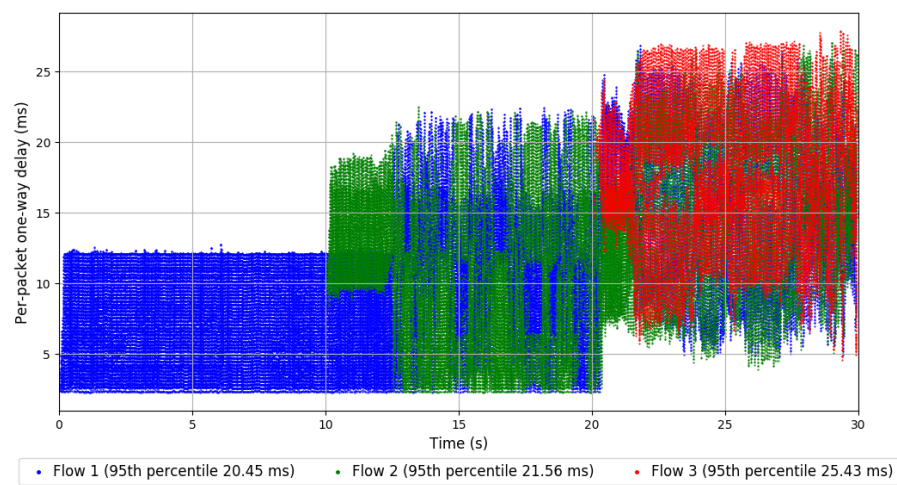
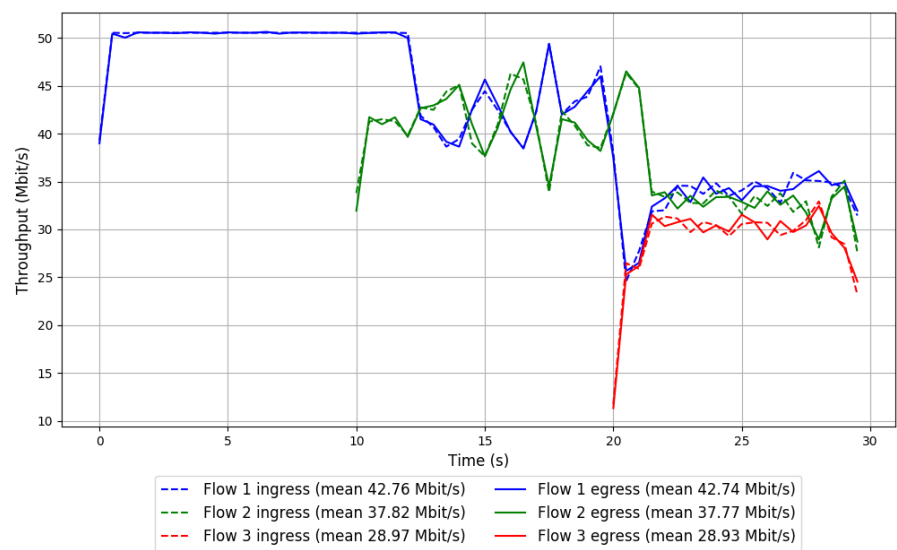


Run 6: Statistics of Sprout

Start at: 2018-02-13 18:36:19
End at: 2018-02-13 18:36:49
Local clock offset: -4.554 ms
Remote clock offset: -4.091 ms

```
# Below is generated by plot.py at 2018-02-13 20:52:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 22.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 20.454 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 21.561 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 25.430 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

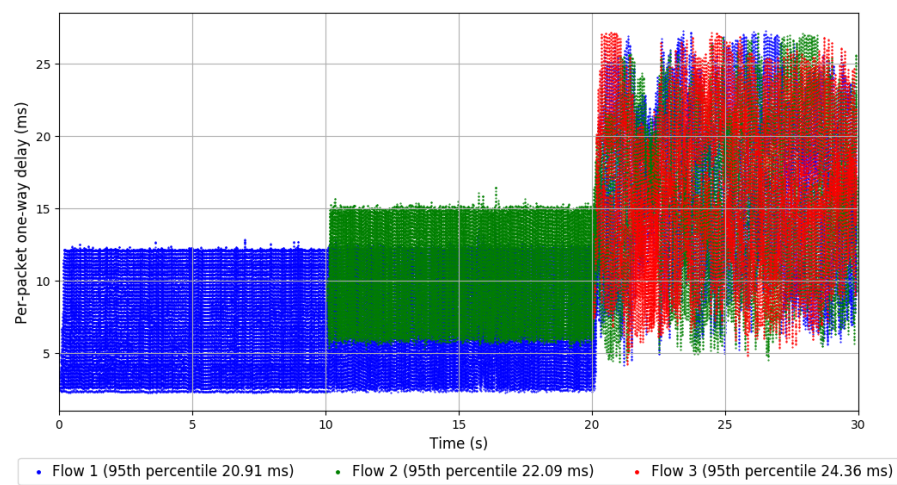
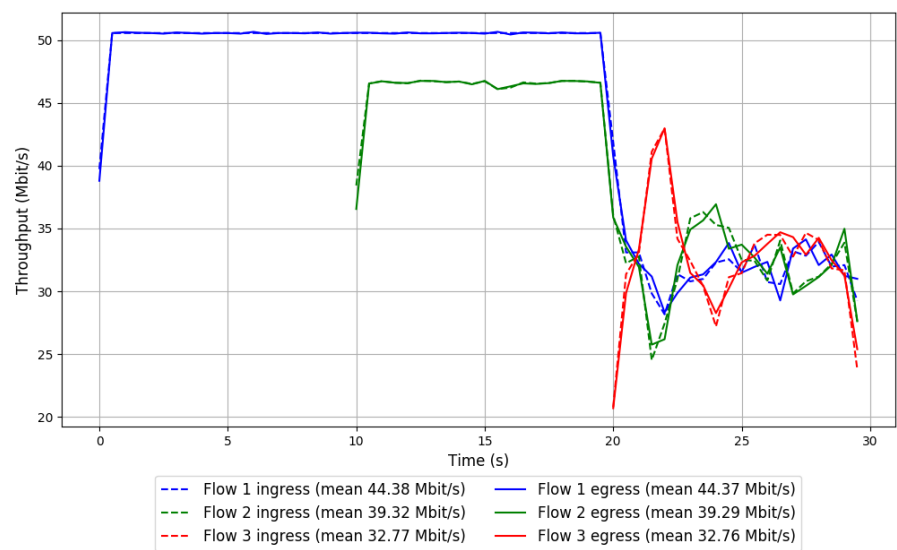


Run 7: Statistics of Sprout

Start at: 2018-02-13 18:56:46
End at: 2018-02-13 18:57:16
Local clock offset: -4.797 ms
Remote clock offset: -4.123 ms

Below is generated by plot.py at 2018-02-13 20:53:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.33 Mbit/s
95th percentile per-packet one-way delay: 22.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 20.908 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 22.095 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 24.355 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

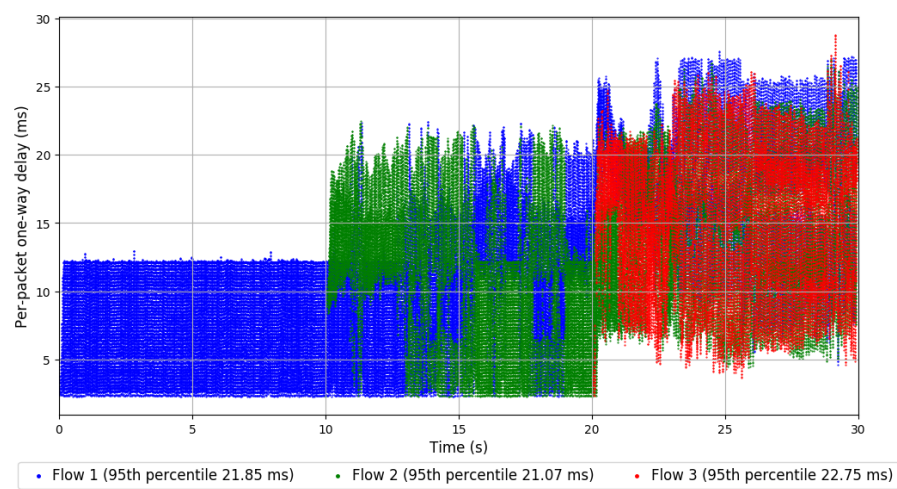
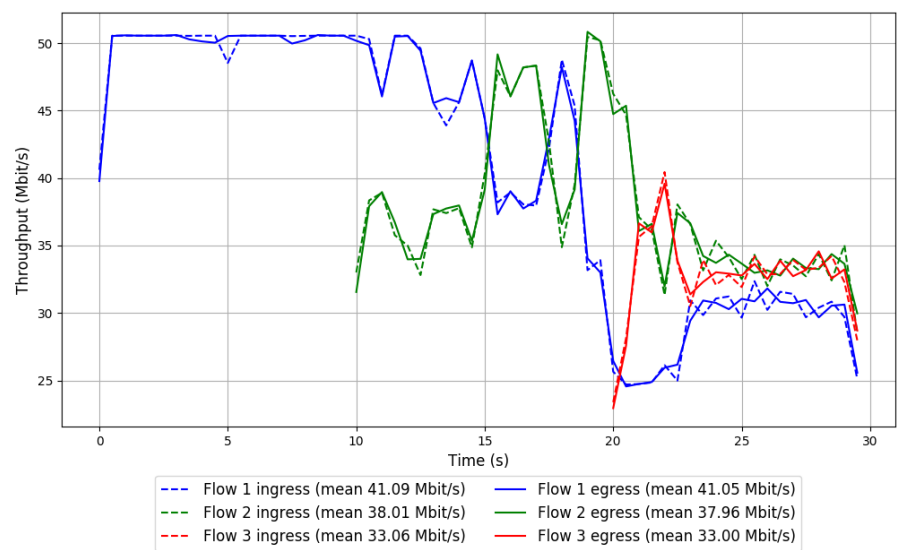


Run 8: Statistics of Sprout

Start at: 2018-02-13 19:17:16
End at: 2018-02-13 19:17:46
Local clock offset: -4.356 ms
Remote clock offset: -4.26 ms

```
# Below is generated by plot.py at 2018-02-13 20:53:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 21.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.05 Mbit/s
95th percentile per-packet one-way delay: 21.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 21.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 22.745 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

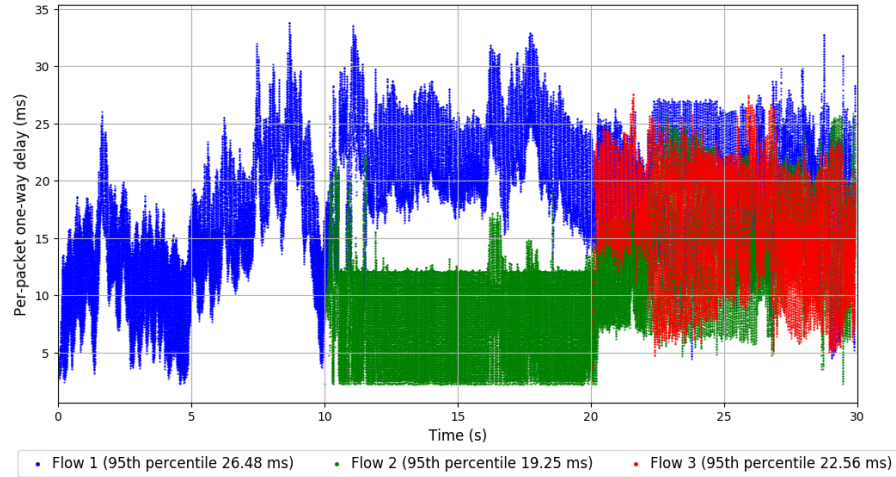
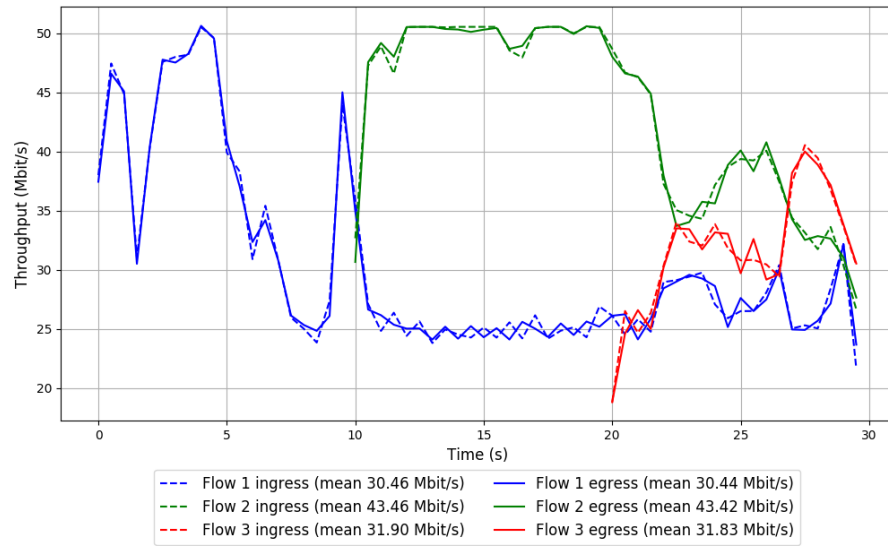


Run 9: Statistics of Sprout

Start at: 2018-02-13 19:37:45
End at: 2018-02-13 19:38:15
Local clock offset: -4.759 ms
Remote clock offset: -3.61 ms

```
# Below is generated by plot.py at 2018-02-13 20:53:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 24.787 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 26.481 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.42 Mbit/s
95th percentile per-packet one-way delay: 19.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 22.564 ms
Loss rate: 0.12%
```

Run 9: Report of Sprout — Data Link

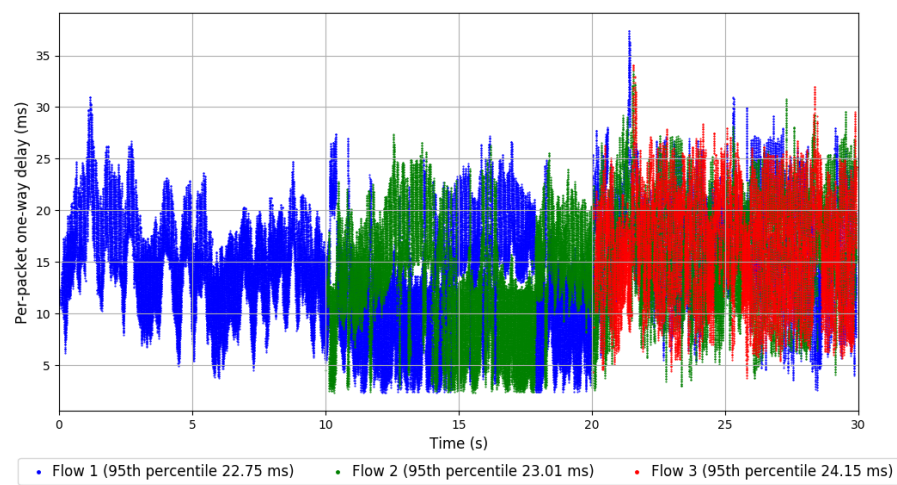
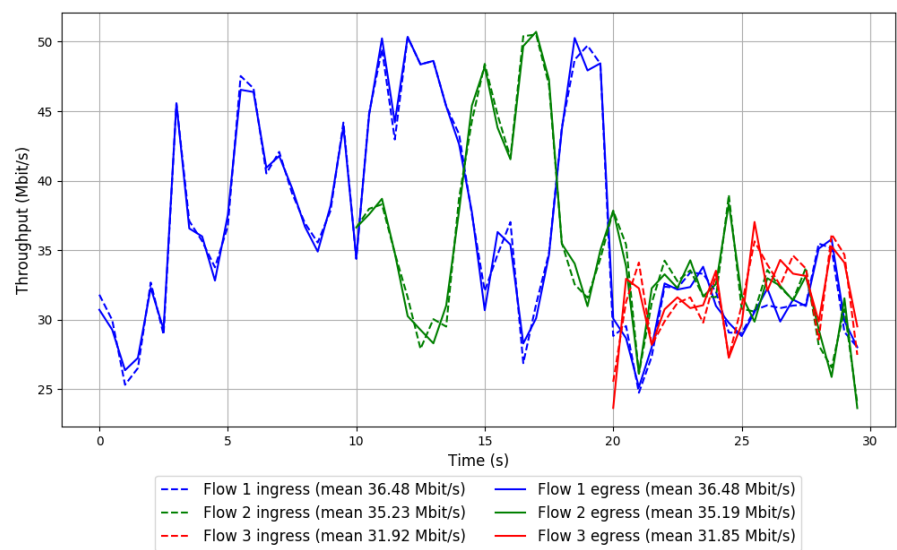


Run 10: Statistics of Sprout

Start at: 2018-02-13 19:58:12
End at: 2018-02-13 19:58:42
Local clock offset: -5.478 ms
Remote clock offset: -3.31 ms

Below is generated by plot.py at 2018-02-13 20:53:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 23.150 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 22.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 23.007 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 24.151 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

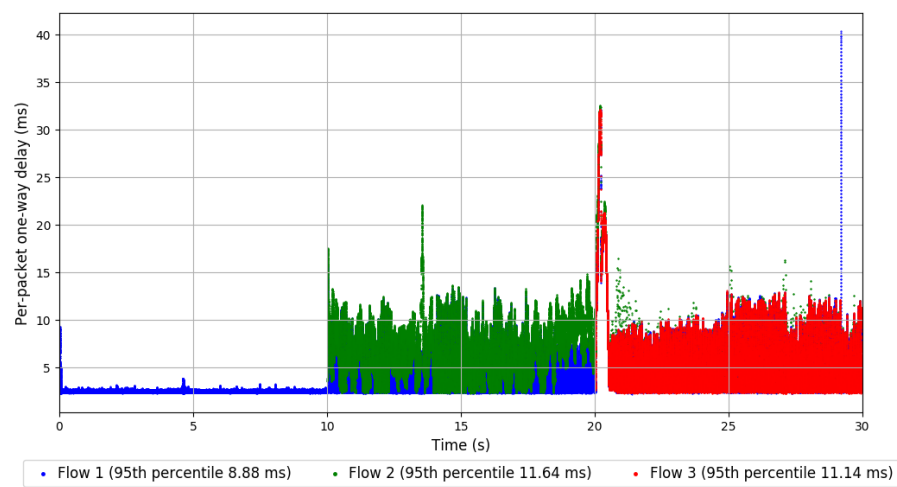
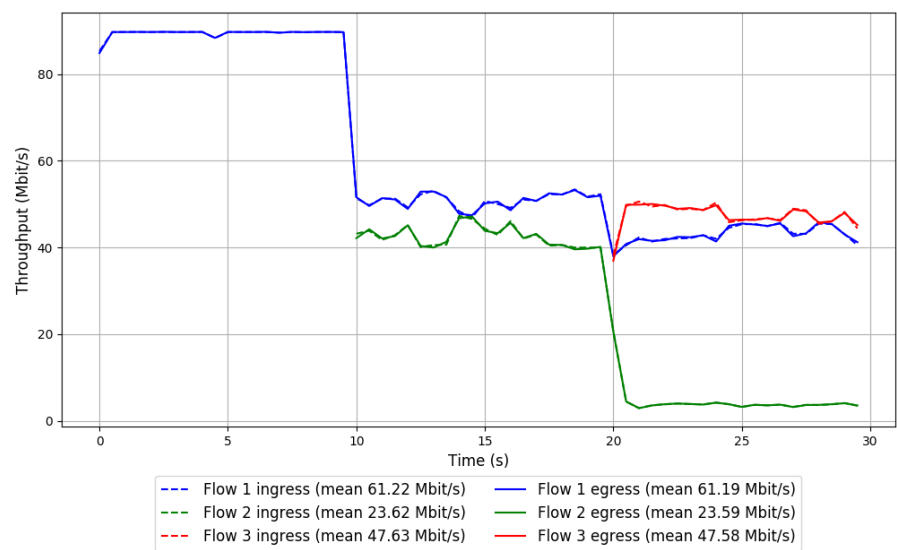


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-13 17:12:09
End at: 2018-02-13 17:12:39
Local clock offset: -5.0 ms
Remote clock offset: -4.955 ms

Below is generated by plot.py at 2018-02-13 20:54:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 10.193 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 8.878 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 11.636 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 11.140 ms
Loss rate: 0.06%

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

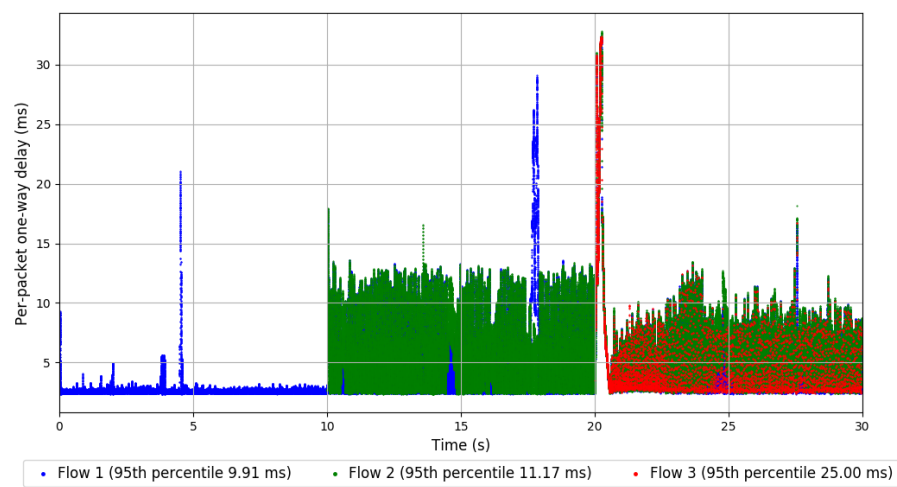
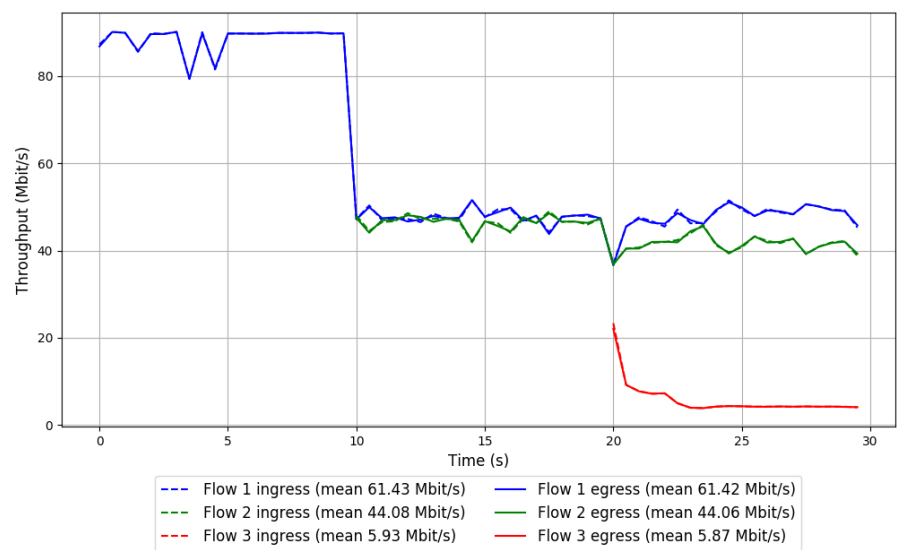


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-13 17:32:38
End at: 2018-02-13 17:33:08
Local clock offset: -3.912 ms
Remote clock offset: -4.496 ms

Below is generated by plot.py at 2018-02-13 20:54:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 10.605 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.42 Mbit/s
95th percentile per-packet one-way delay: 9.906 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 11.171 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 24.996 ms
Loss rate: 0.98%

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

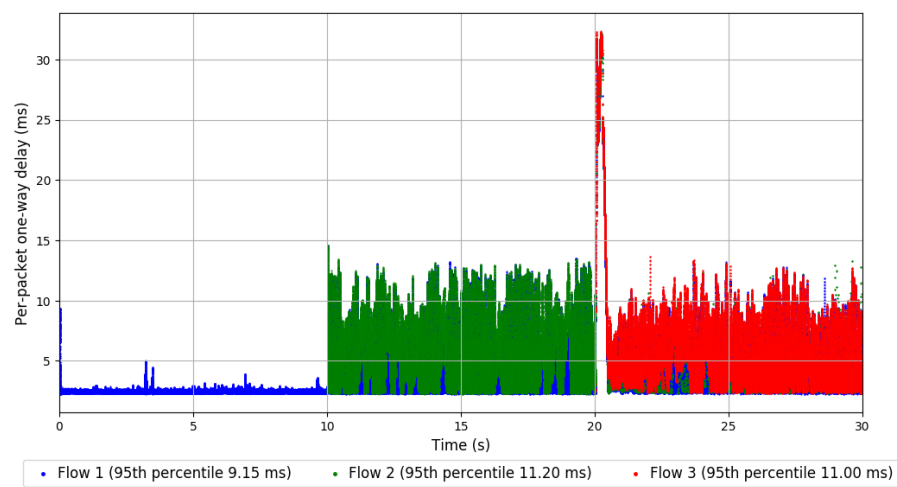
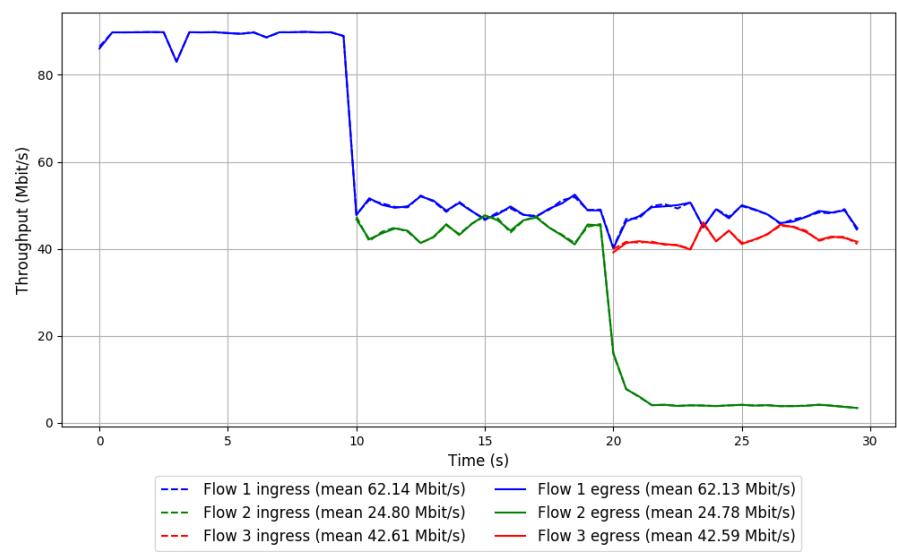


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-13 17:53:05
End at: 2018-02-13 17:53:35
Local clock offset: -3.585 ms
Remote clock offset: -4.327 ms

Below is generated by plot.py at 2018-02-13 20:54:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 10.116 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 9.152 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 11.201 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 11.003 ms
Loss rate: 0.05%

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

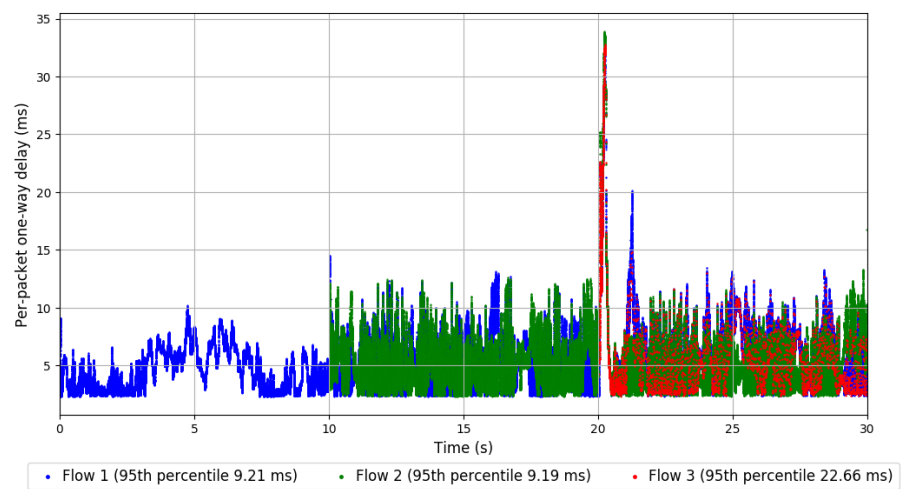
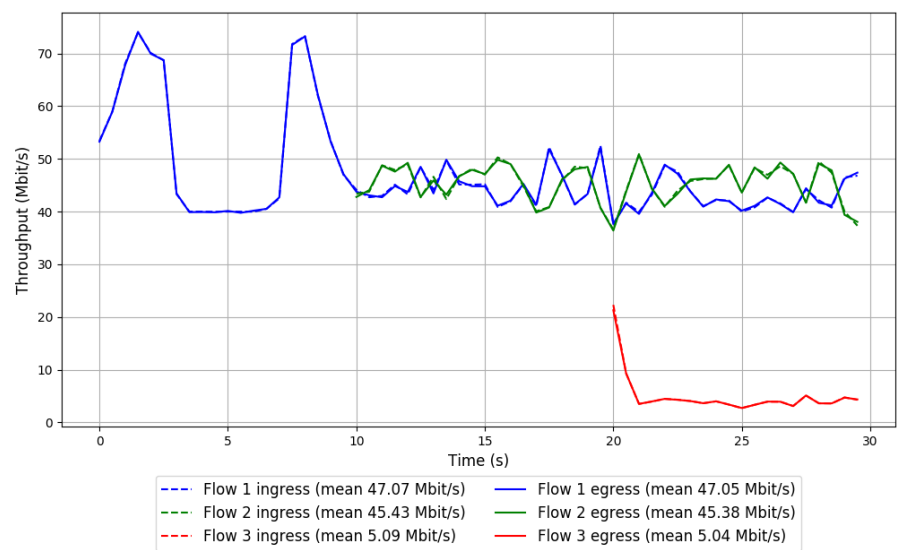


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-13 18:13:31
End at: 2018-02-13 18:14:01
Local clock offset: -4.052 ms
Remote clock offset: -4.265 ms

Below is generated by plot.py at 2018-02-13 20:54:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: 9.332 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 9.212 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 9.185 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 22.657 ms
Loss rate: 0.96%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-02-13 18:33:59

End at: 2018-02-13 18:34:29

Local clock offset: -4.506 ms

Remote clock offset: -4.1 ms

Below is generated by plot.py at 2018-02-13 20:55:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 46.790 ms

Loss rate: 1.73%

-- Flow 1:

Average throughput: 59.60 Mbit/s

95th percentile per-packet one-way delay: 9.404 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 22.00 Mbit/s

95th percentile per-packet one-way delay: 55.288 ms

Loss rate: 10.38%

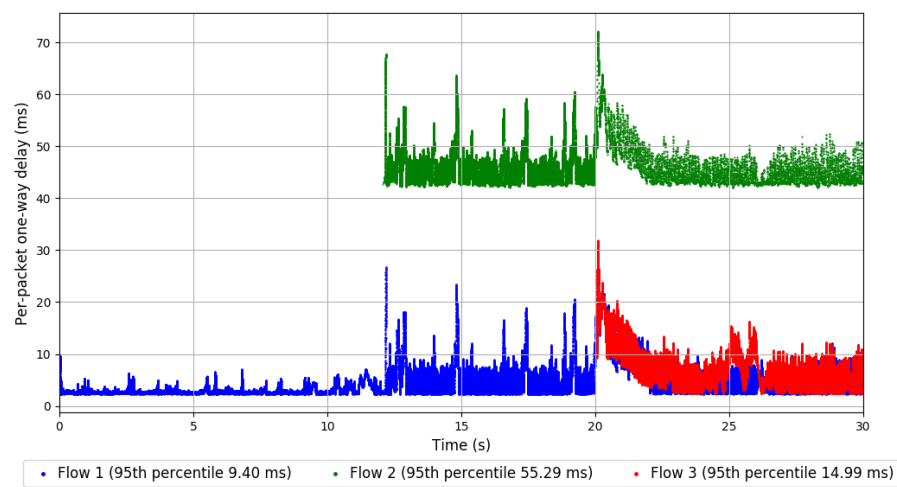
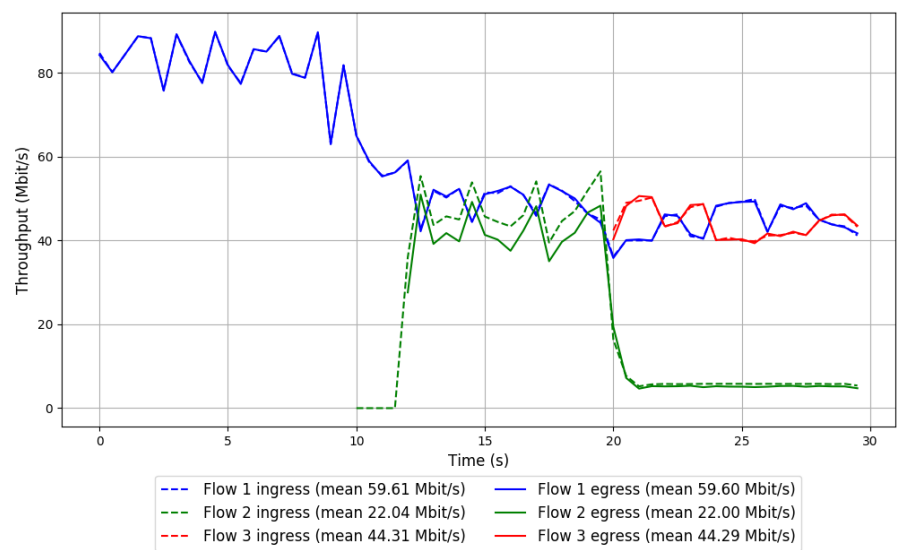
-- Flow 3:

Average throughput: 44.29 Mbit/s

95th percentile per-packet one-way delay: 14.994 ms

Loss rate: 0.11%

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

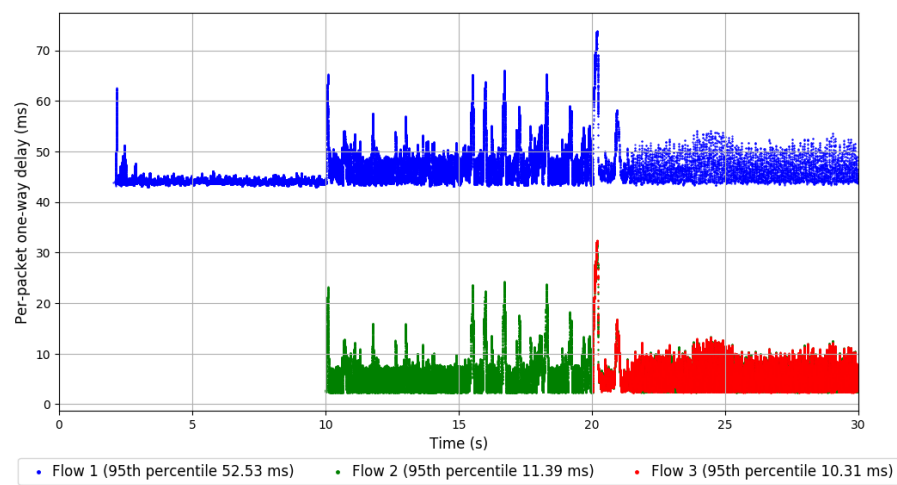
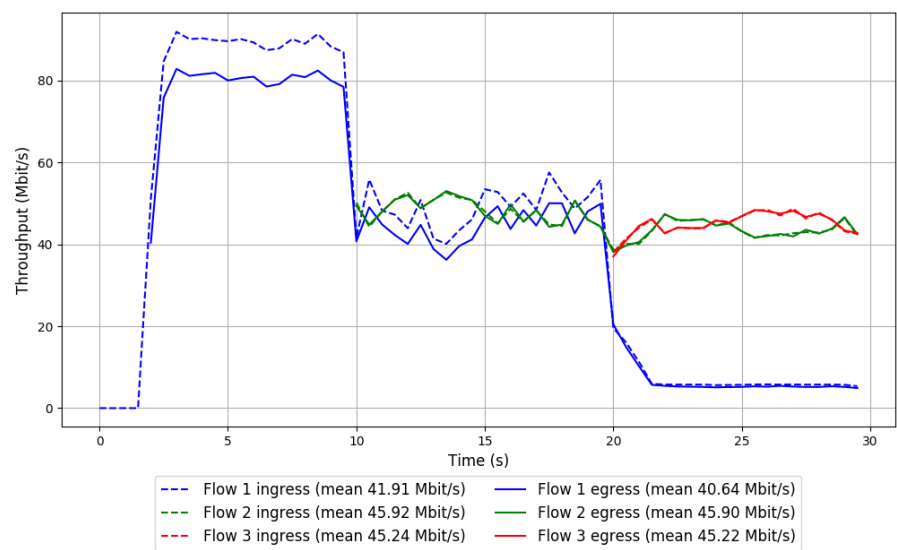


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-13 18:54:28
End at: 2018-02-13 18:54:58
Local clock offset: -4.792 ms
Remote clock offset: -4.089 ms

Below is generated by plot.py at 2018-02-13 20:55:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.55 Mbit/s
95th percentile per-packet one-way delay: 49.171 ms
Loss rate: 4.62%
-- Flow 1:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 52.527 ms
Loss rate: 9.61%
-- Flow 2:
Average throughput: 45.90 Mbit/s
95th percentile per-packet one-way delay: 11.394 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 45.22 Mbit/s
95th percentile per-packet one-way delay: 10.311 ms
Loss rate: 0.06%

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

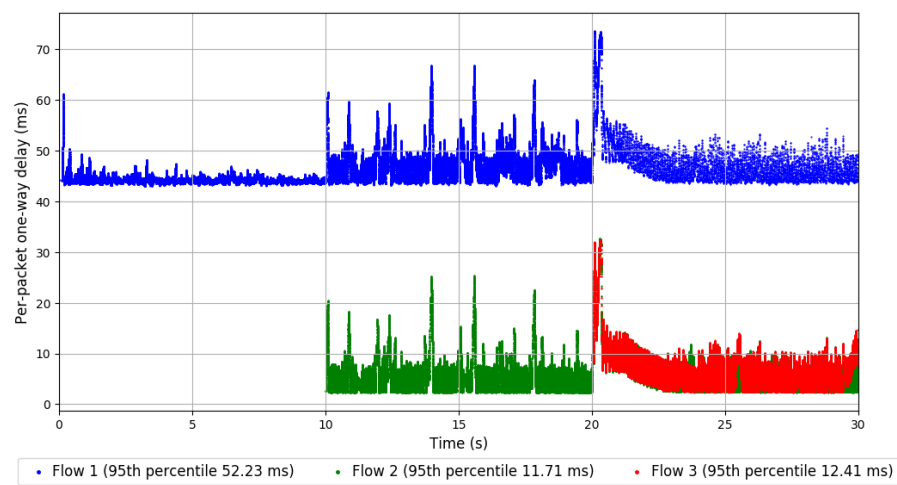
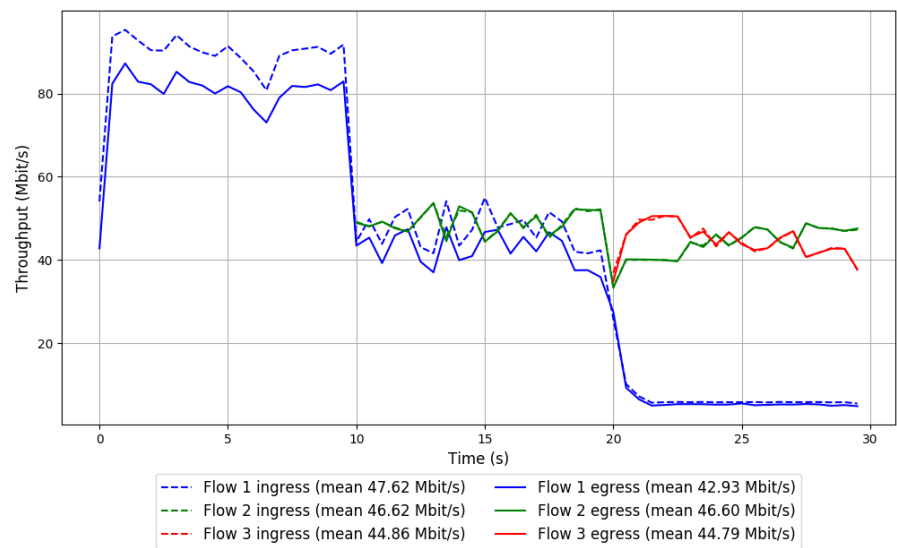


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-13 19:14:56
End at: 2018-02-13 19:15:26
Local clock offset: -4.369 ms
Remote clock offset: -4.225 ms

Below is generated by plot.py at 2018-02-13 20:55:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 48.950 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 42.93 Mbit/s
95th percentile per-packet one-way delay: 52.233 ms
Loss rate: 9.96%
-- Flow 2:
Average throughput: 46.60 Mbit/s
95th percentile per-packet one-way delay: 11.713 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 44.79 Mbit/s
95th percentile per-packet one-way delay: 12.408 ms
Loss rate: 0.18%

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

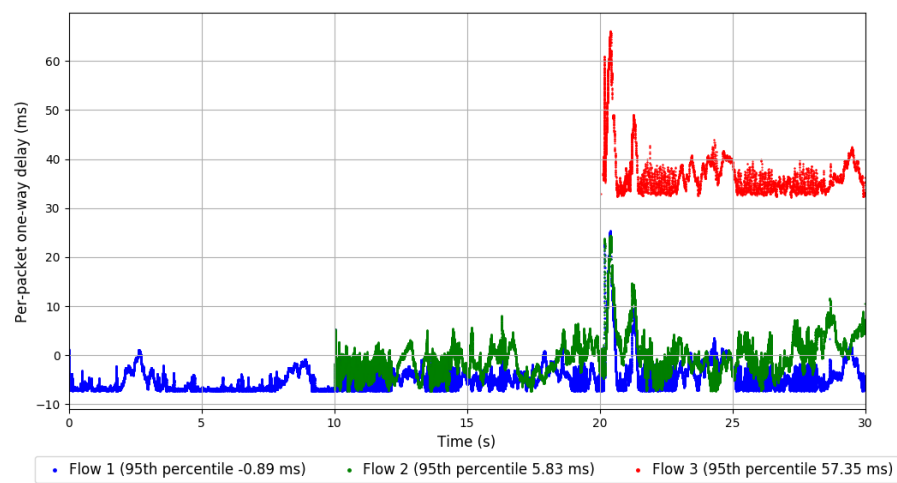
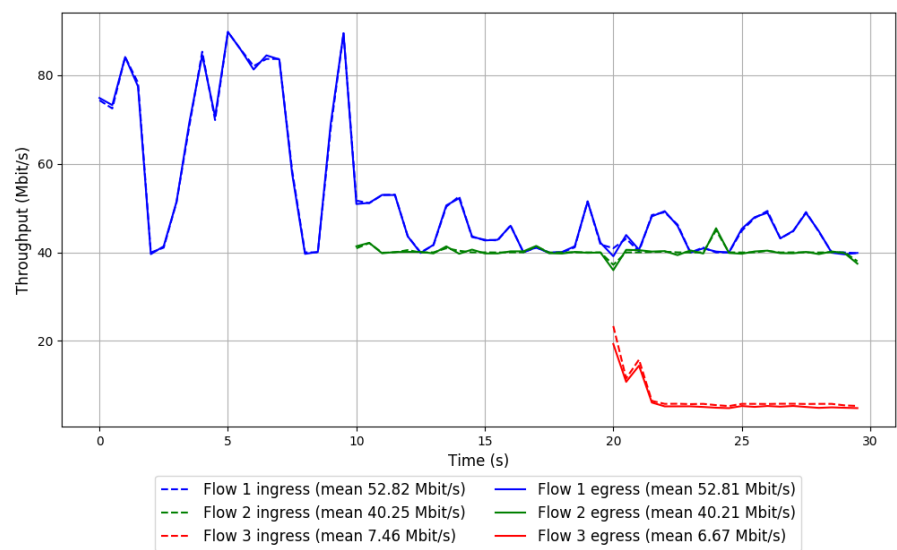


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-13 19:35:25
End at: 2018-02-13 19:35:55
Local clock offset: -4.628 ms
Remote clock offset: -13.391 ms

Below is generated by plot.py at 2018-02-13 20:55:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.79 Mbit/s
95th percentile per-packet one-way delay: 5.653 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 52.81 Mbit/s
95th percentile per-packet one-way delay: -0.890 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 5.832 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 57.349 ms
Loss rate: 10.86%

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

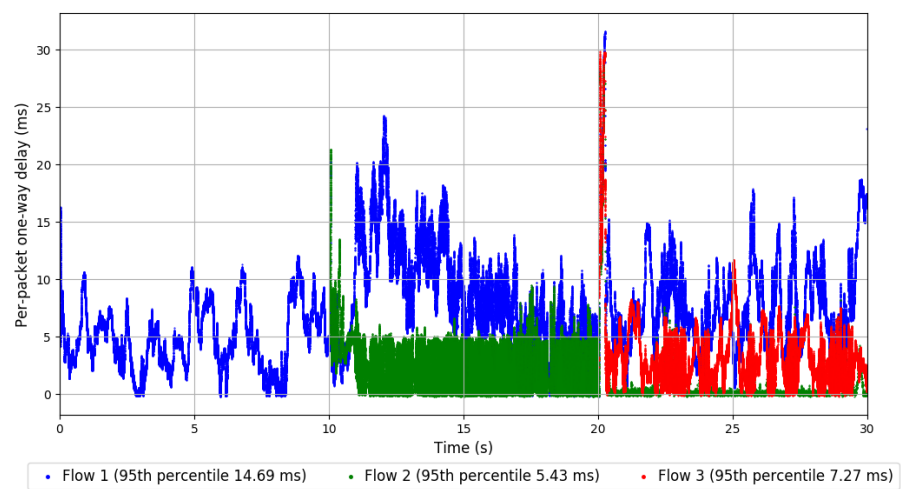
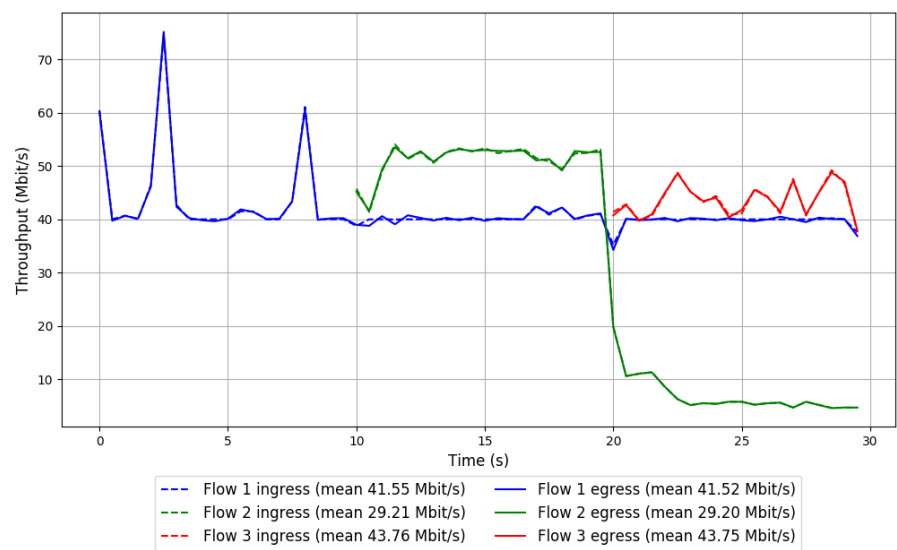


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-13 19:55:54
End at: 2018-02-13 19:56:24
Local clock offset: -5.433 ms
Remote clock offset: -5.829 ms

Below is generated by plot.py at 2018-02-13 20:56:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.48 Mbit/s
95th percentile per-packet one-way delay: 13.246 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 14.689 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 5.434 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 43.75 Mbit/s
95th percentile per-packet one-way delay: 7.272 ms
Loss rate: 0.05%

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

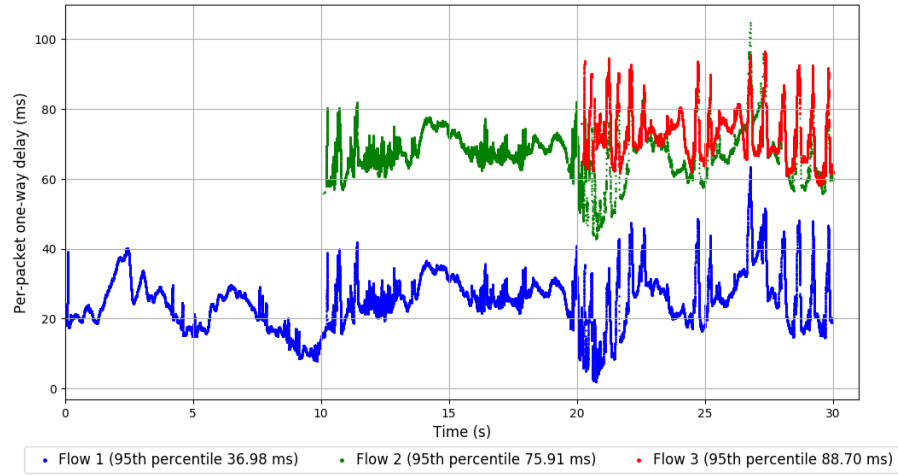
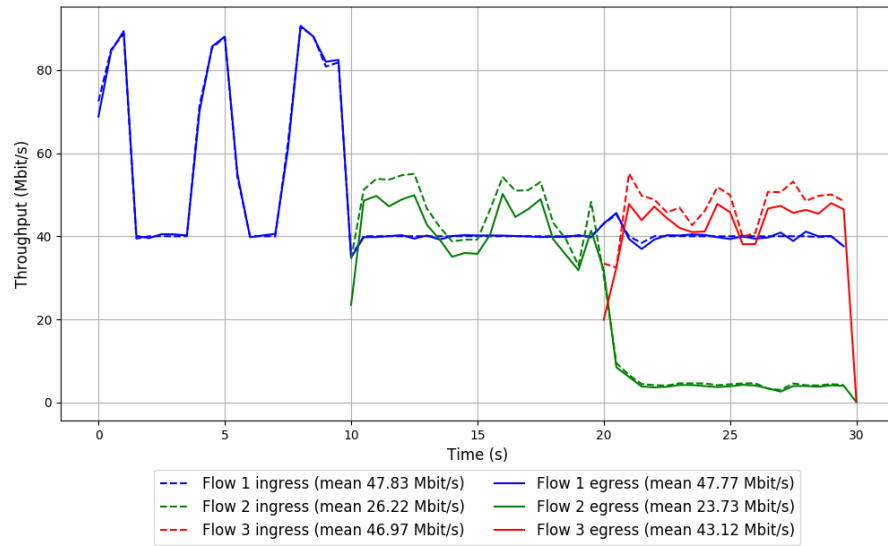


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-13 20:16:39
End at: 2018-02-13 20:17:09
Local clock offset: 5.477 ms
Remote clock offset: -7.471 ms

Below is generated by plot.py at 2018-02-13 20:57:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.76 Mbit/s
95th percentile per-packet one-way delay: 77.277 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 47.77 Mbit/s
95th percentile per-packet one-way delay: 36.977 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 23.73 Mbit/s
95th percentile per-packet one-way delay: 75.906 ms
Loss rate: 9.58%
-- Flow 3:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 88.702 ms
Loss rate: 8.47%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-02-13 17:05:17

End at: 2018-02-13 17:05:47

Local clock offset: -5.041 ms

Remote clock offset: -5.3 ms

Below is generated by plot.py at 2018-02-13 20:57:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 4.047 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 53.87 Mbit/s

95th percentile per-packet one-way delay: 3.931 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 4.090 ms

Loss rate: 0.00%

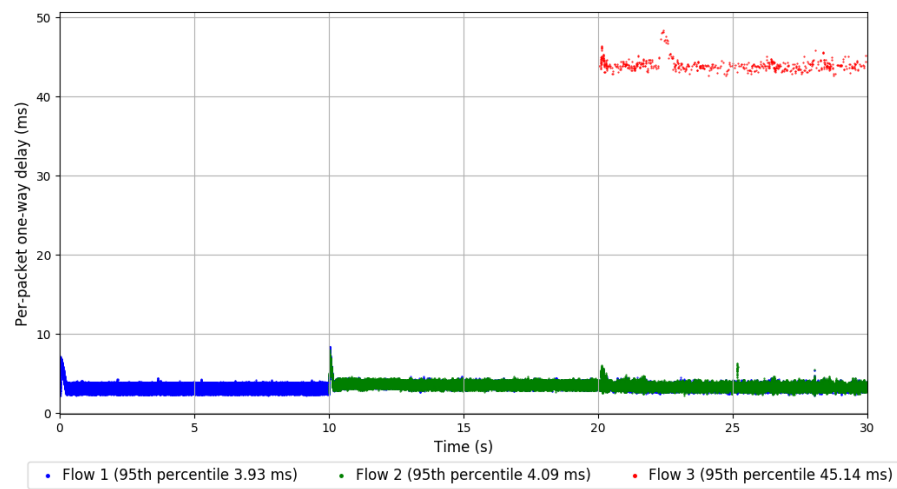
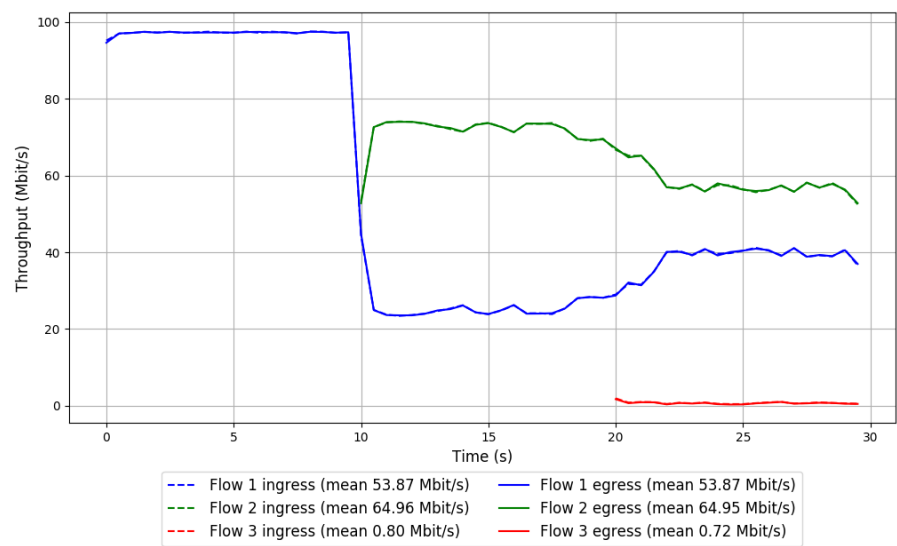
-- Flow 3:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 45.141 ms

Loss rate: 10.03%

Run 1: Report of TCP Vegas — Data Link

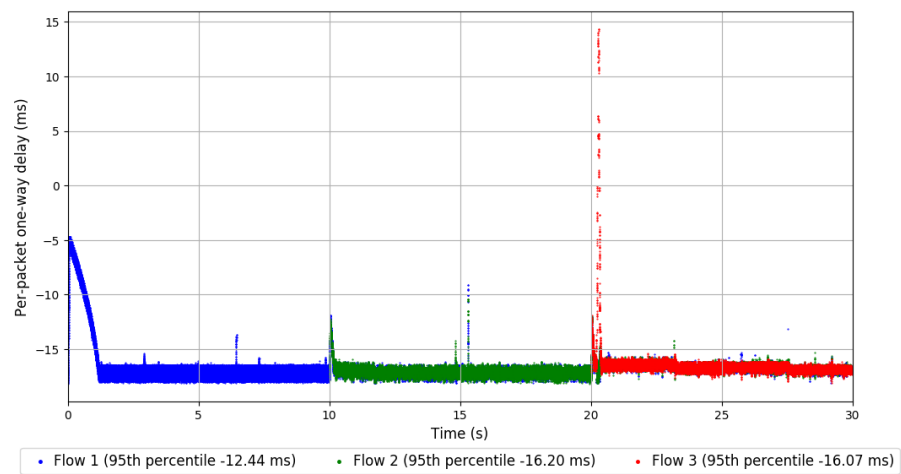
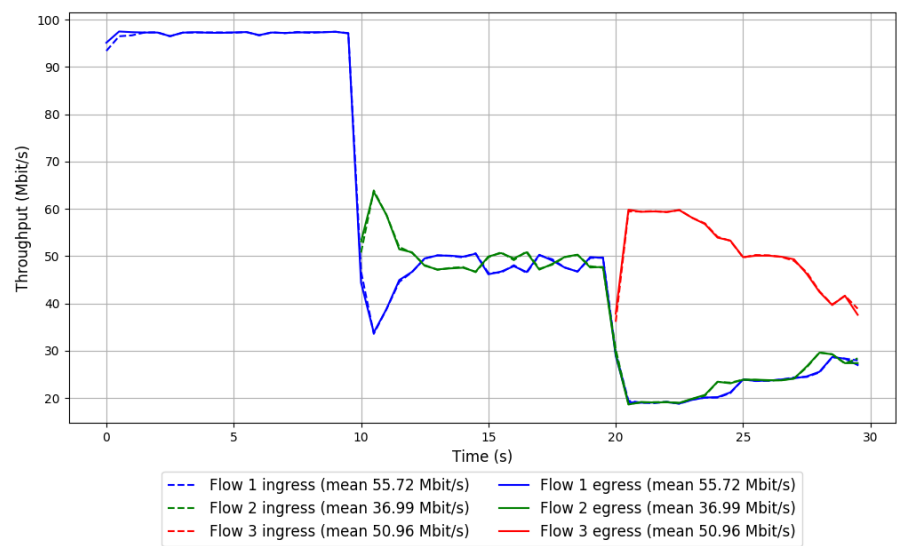


Run 2: Statistics of TCP Vegas

Start at: 2018-02-13 17:25:47
End at: 2018-02-13 17:26:17
Local clock offset: -4.222 ms
Remote clock offset: -25.094 ms

Below is generated by plot.py at 2018-02-13 20:57:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: -15.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: -12.437 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.99 Mbit/s
95th percentile per-packet one-way delay: -16.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.96 Mbit/s
95th percentile per-packet one-way delay: -16.065 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

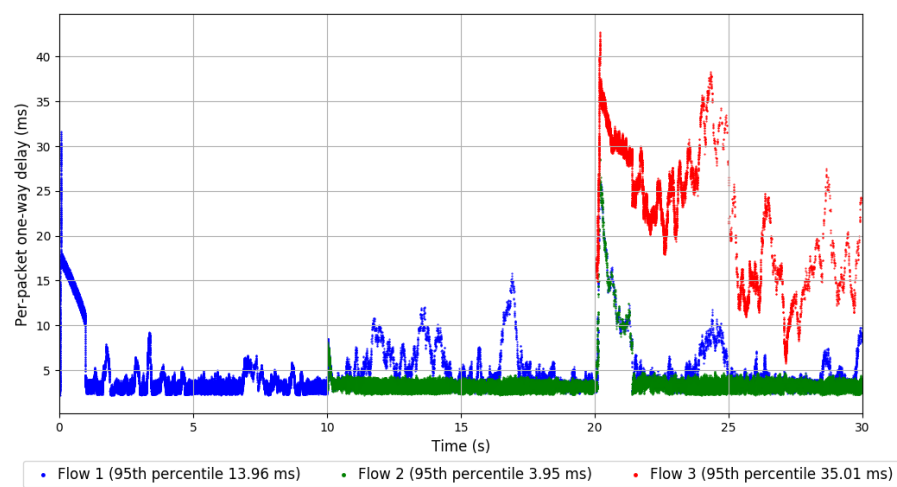
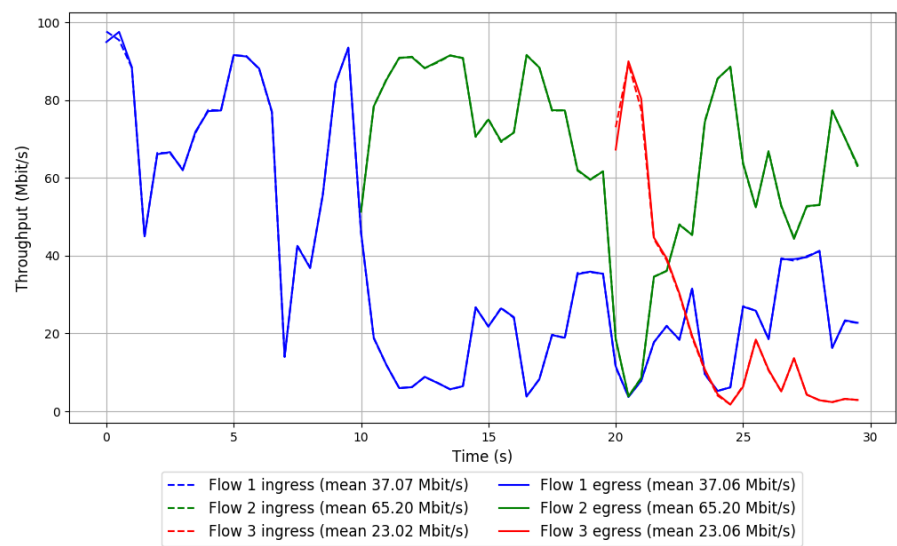


Run 3: Statistics of TCP Vegas

Start at: 2018-02-13 17:46:13
End at: 2018-02-13 17:46:43
Local clock offset: -3.406 ms
Remote clock offset: -4.386 ms

Below is generated by plot.py at 2018-02-13 20:57:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 25.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 13.961 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 65.20 Mbit/s
95th percentile per-packet one-way delay: 3.951 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 35.007 ms
Loss rate: 0.03%

Run 3: Report of TCP Vegas — Data Link

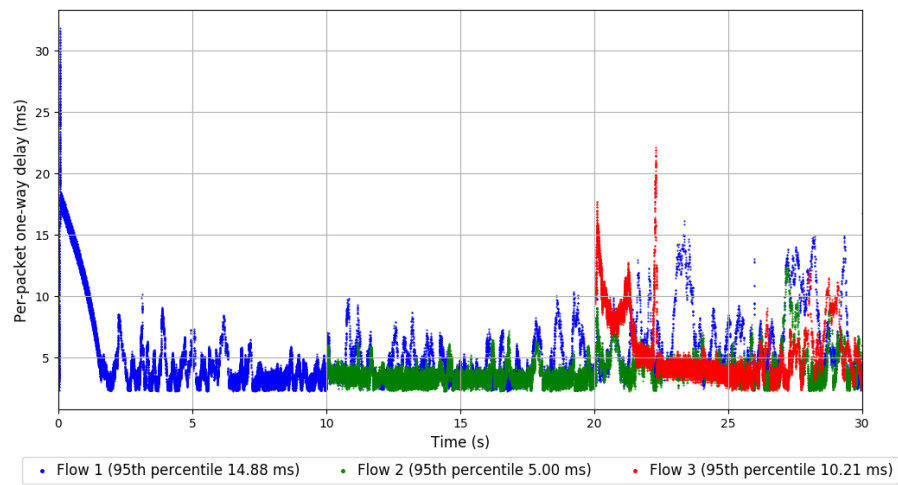
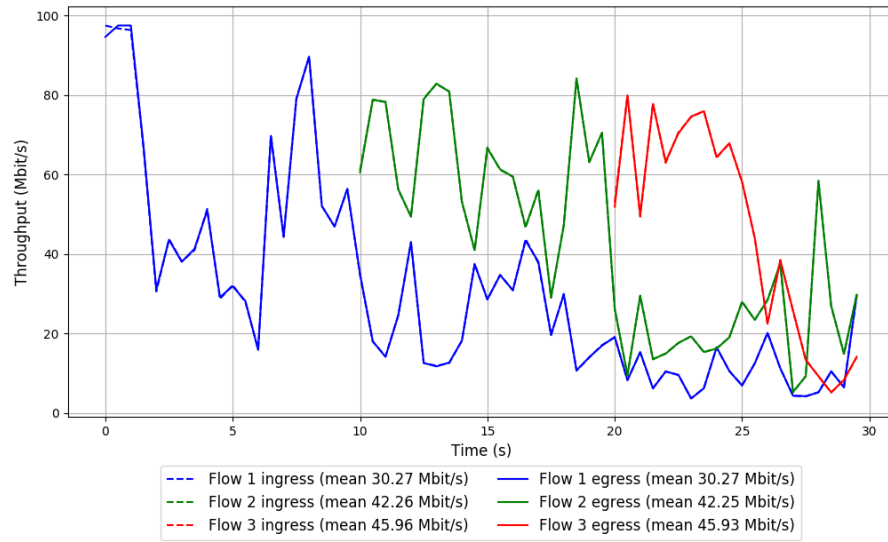


Run 4: Statistics of TCP Vegas

Start at: 2018-02-13 18:06:41
End at: 2018-02-13 18:07:11
Local clock offset: -3.944 ms
Remote clock offset: -4.249 ms

Below is generated by plot.py at 2018-02-13 20:57:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 11.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 14.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 5.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 10.205 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

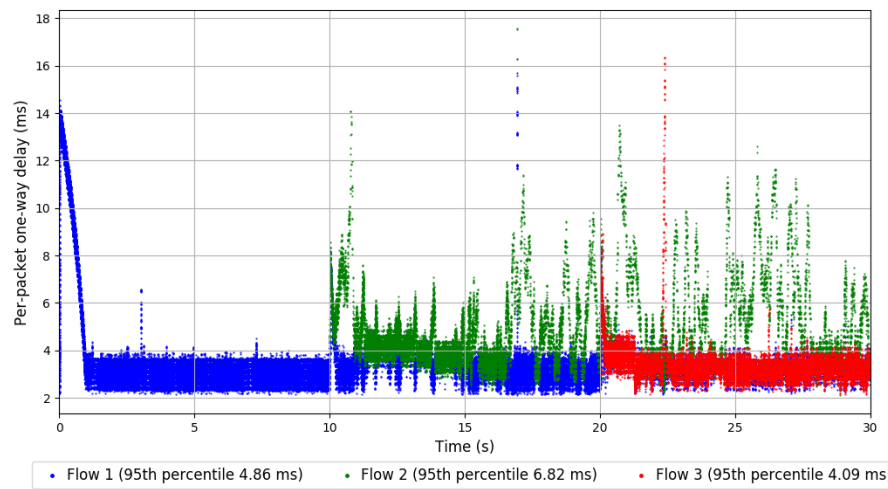
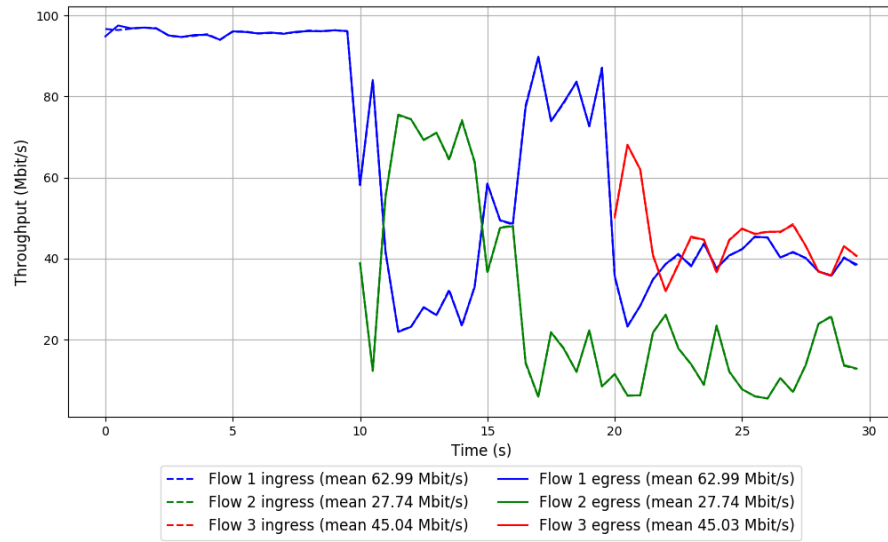


Run 5: Statistics of TCP Vegas

Start at: 2018-02-13 18:27:07
End at: 2018-02-13 18:27:37
Local clock offset: -4.131 ms
Remote clock offset: -4.205 ms

```
# Below is generated by plot.py at 2018-02-13 20:57:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 5.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 4.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.74 Mbit/s
95th percentile per-packet one-way delay: 6.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.03 Mbit/s
95th percentile per-packet one-way delay: 4.091 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link

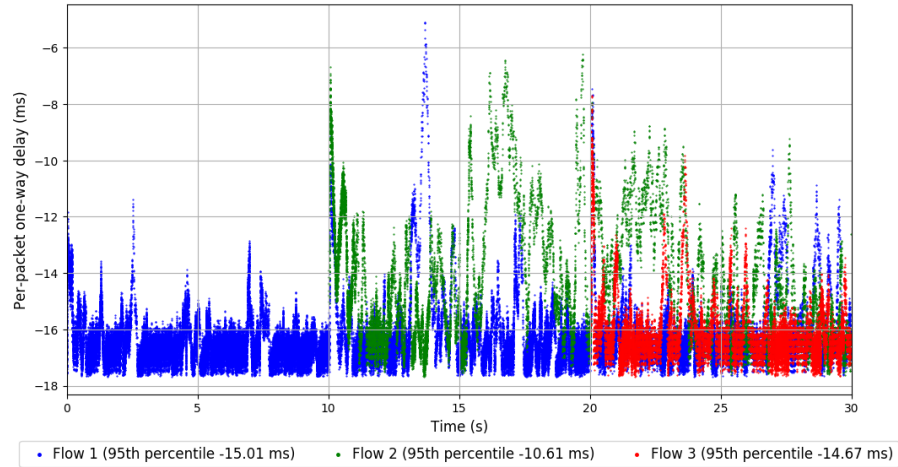
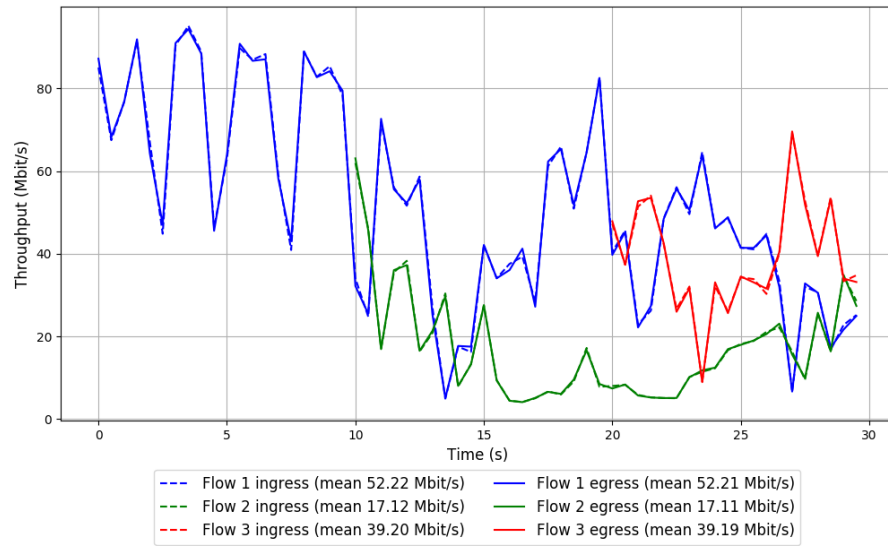


Run 6: Statistics of TCP Vegas

Start at: 2018-02-13 18:47:37
End at: 2018-02-13 18:48:07
Local clock offset: -4.718 ms
Remote clock offset: -23.948 ms

Below is generated by plot.py at 2018-02-13 20:57:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: -13.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.21 Mbit/s
95th percentile per-packet one-way delay: -15.013 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.11 Mbit/s
95th percentile per-packet one-way delay: -10.612 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: -14.672 ms
Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link

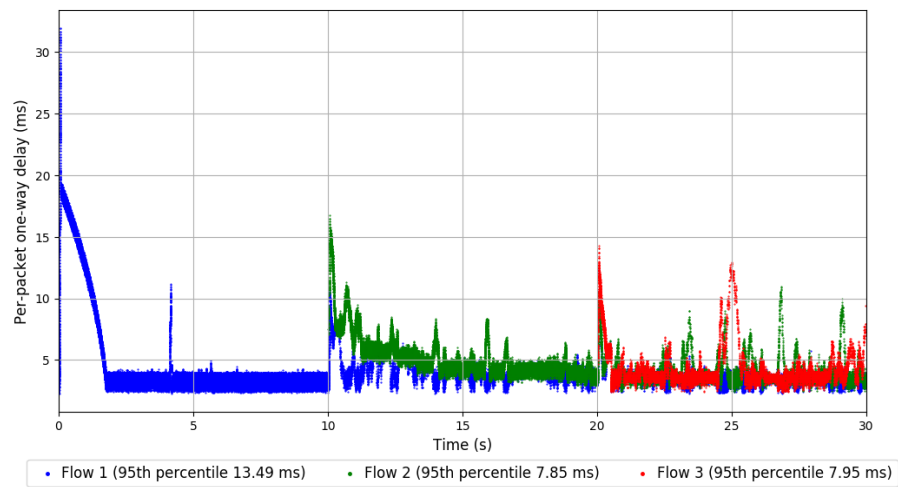
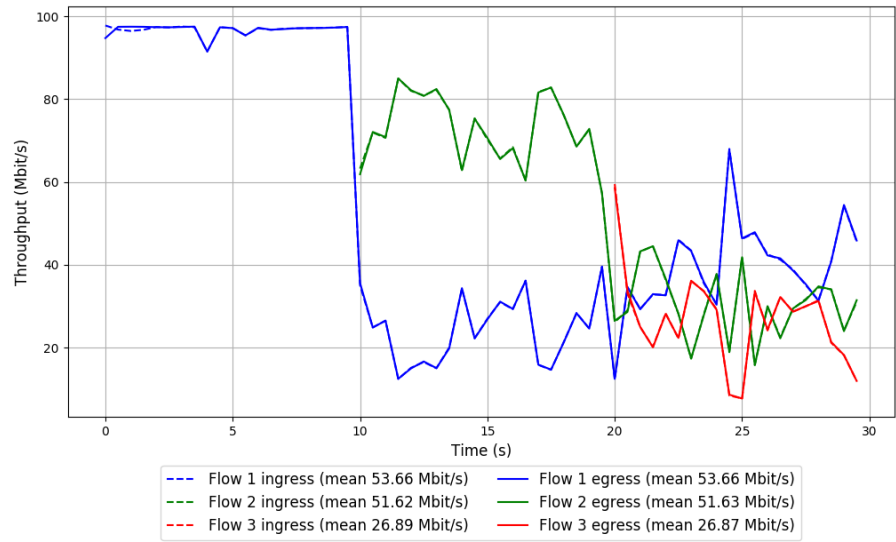


Run 7: Statistics of TCP Vegas

Start at: 2018-02-13 19:08:06
End at: 2018-02-13 19:08:36
Local clock offset: -4.48 ms
Remote clock offset: -4.205 ms

Below is generated by plot.py at 2018-02-13 20:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 9.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: 13.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.63 Mbit/s
95th percentile per-packet one-way delay: 7.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 7.950 ms
Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link

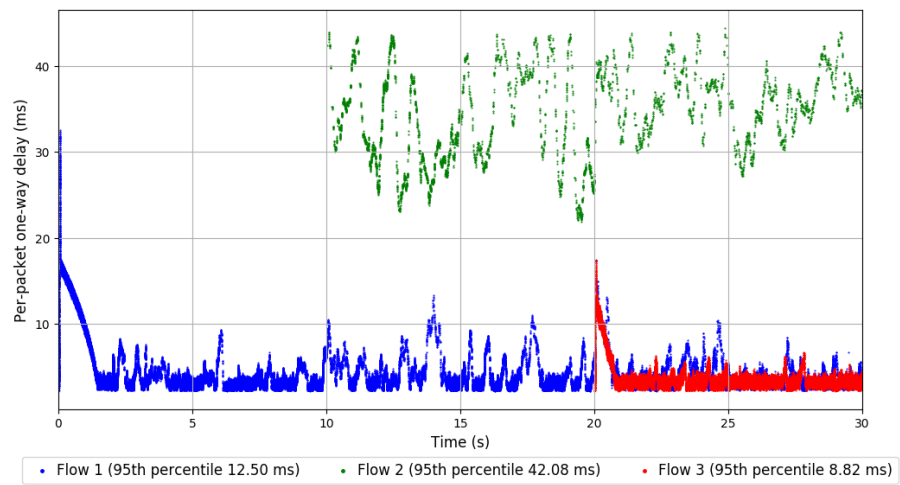
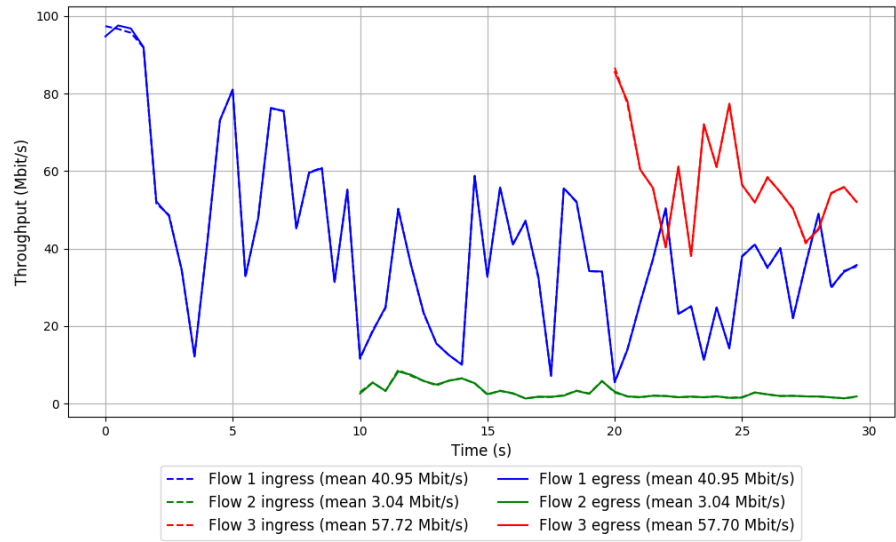


Run 8: Statistics of TCP Vegas

Start at: 2018-02-13 19:28:35
End at: 2018-02-13 19:29:05
Local clock offset: -4.225 ms
Remote clock offset: -3.963 ms

Below is generated by plot.py at 2018-02-13 20:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 14.796 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 12.503 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 42.083 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 8.821 ms
Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

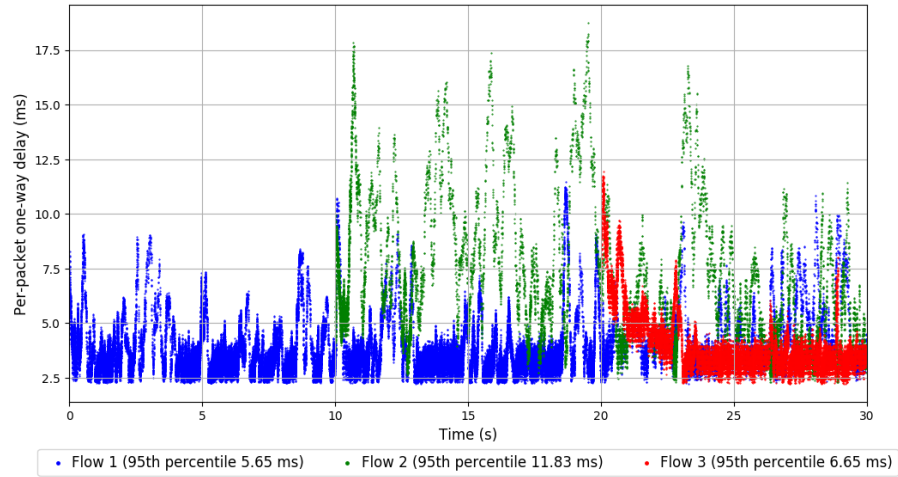
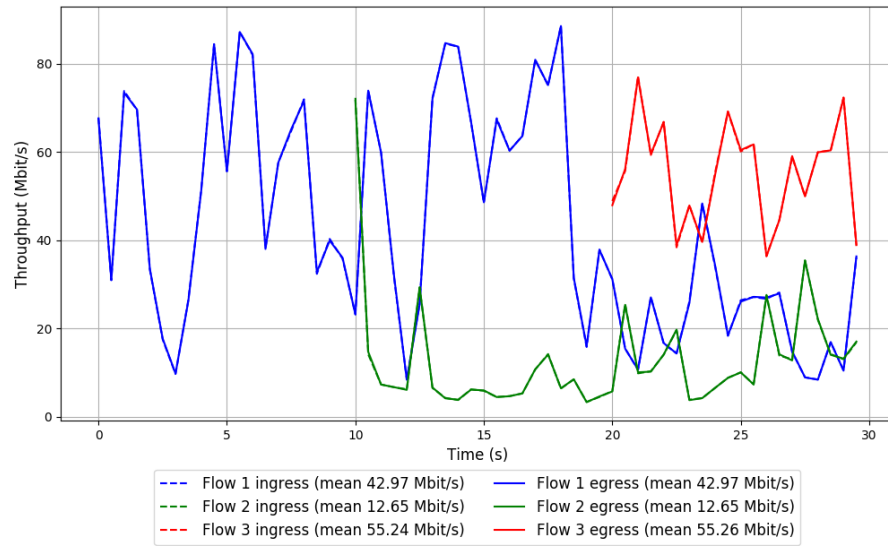


Run 9: Statistics of TCP Vegas

Start at: 2018-02-13 19:49:03
End at: 2018-02-13 19:49:33
Local clock offset: -5.349 ms
Remote clock offset: -3.48 ms

Below is generated by plot.py at 2018-02-13 20:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 7.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 5.647 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 11.826 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 6.648 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

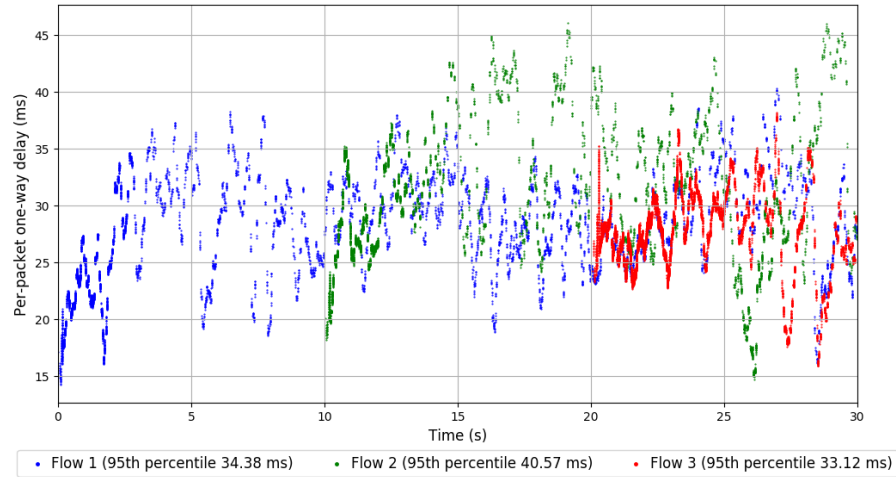
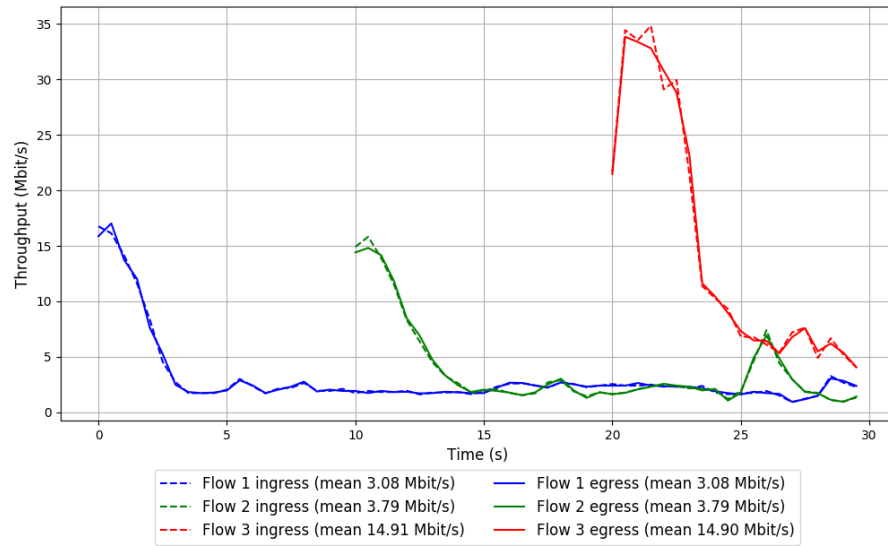


Run 10: Statistics of TCP Vegas

Start at: 2018-02-13 20:09:41
End at: 2018-02-13 20:10:11
Local clock offset: 14.81 ms
Remote clock offset: -4.939 ms

Below is generated by plot.py at 2018-02-13 20:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 35.607 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 3.08 Mbit/s
95th percentile per-packet one-way delay: 34.383 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 40.572 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 33.124 ms
Loss rate: 0.12%

Run 10: Report of TCP Vegas — Data Link

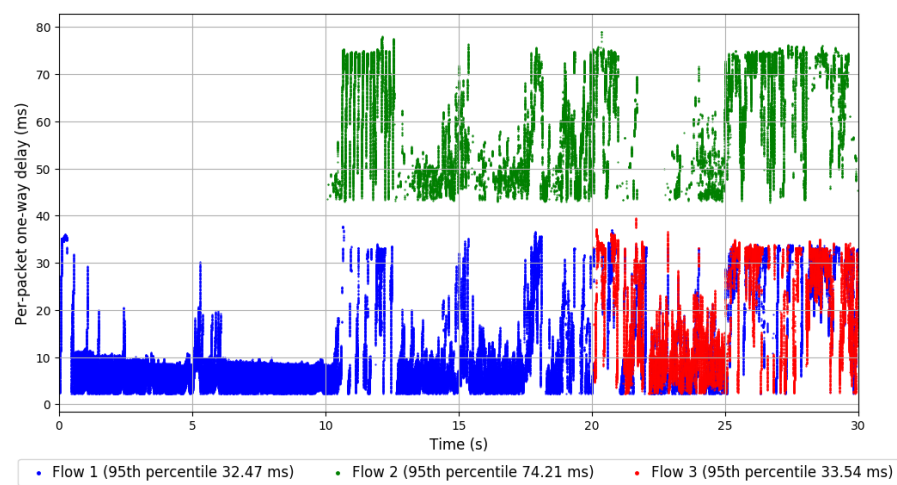
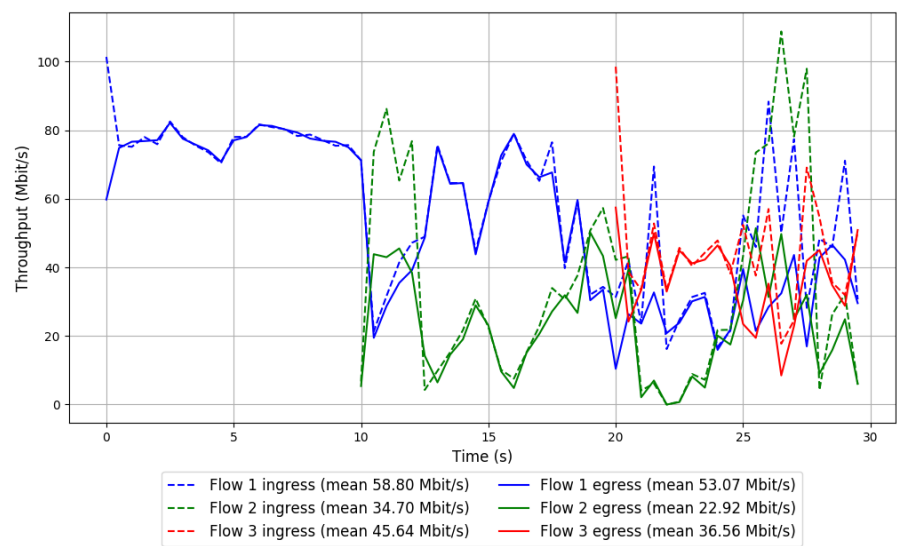


Run 1: Statistics of Verus

Start at: 2018-02-13 17:00:46
End at: 2018-02-13 17:01:16
Local clock offset: -5.109 ms
Remote clock offset: -5.218 ms

Below is generated by plot.py at 2018-02-13 20:58:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.39 Mbit/s
95th percentile per-packet one-way delay: 69.382 ms
Loss rate: 17.03%
-- Flow 1:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 32.474 ms
Loss rate: 9.65%
-- Flow 2:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 74.206 ms
Loss rate: 33.97%
-- Flow 3:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 33.541 ms
Loss rate: 19.89%

Run 1: Report of Verus — Data Link

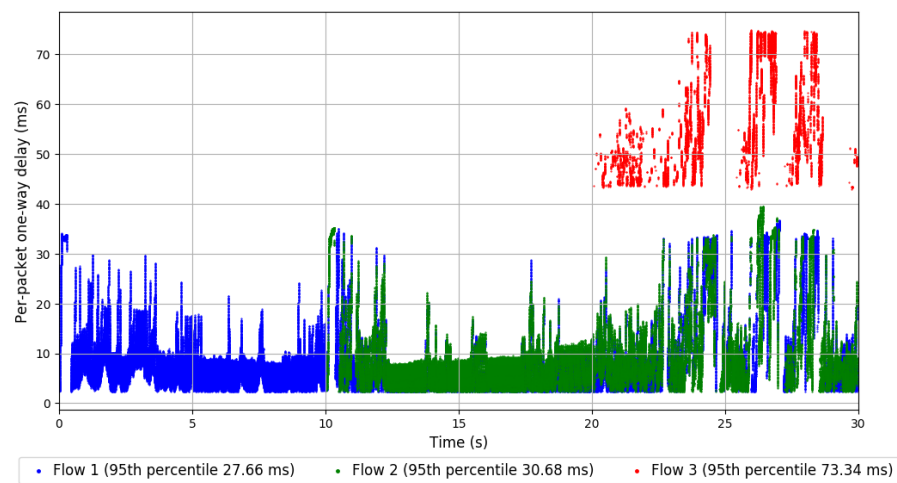
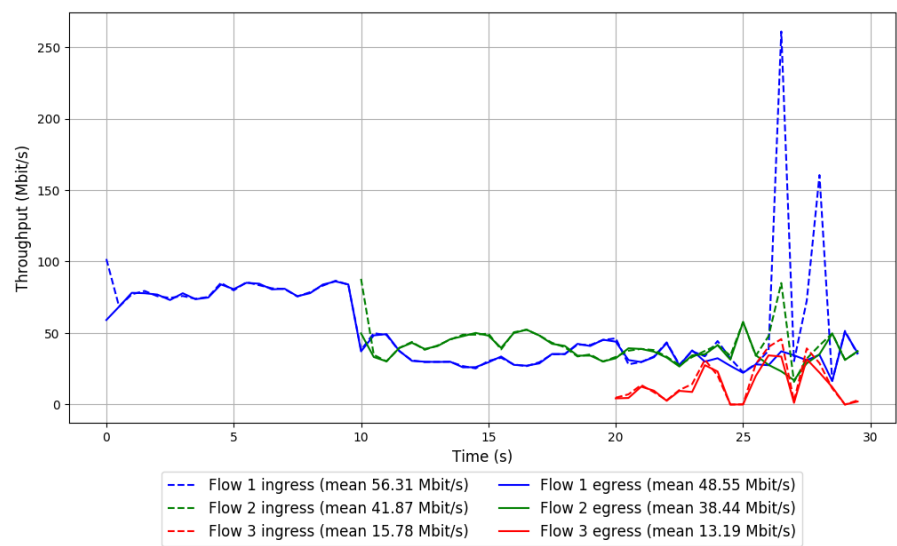


Run 2: Statistics of Verus

Start at: 2018-02-13 17:21:16
End at: 2018-02-13 17:21:46
Local clock offset: -4.478 ms
Remote clock offset: -4.675 ms

Below is generated by plot.py at 2018-02-13 20:58:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.45 Mbit/s
95th percentile per-packet one-way delay: 45.587 ms
Loss rate: 12.20%
-- Flow 1:
Average throughput: 48.55 Mbit/s
95th percentile per-packet one-way delay: 27.658 ms
Loss rate: 13.76%
-- Flow 2:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 30.679 ms
Loss rate: 8.17%
-- Flow 3:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 73.342 ms
Loss rate: 16.77%

Run 2: Report of Verus — Data Link

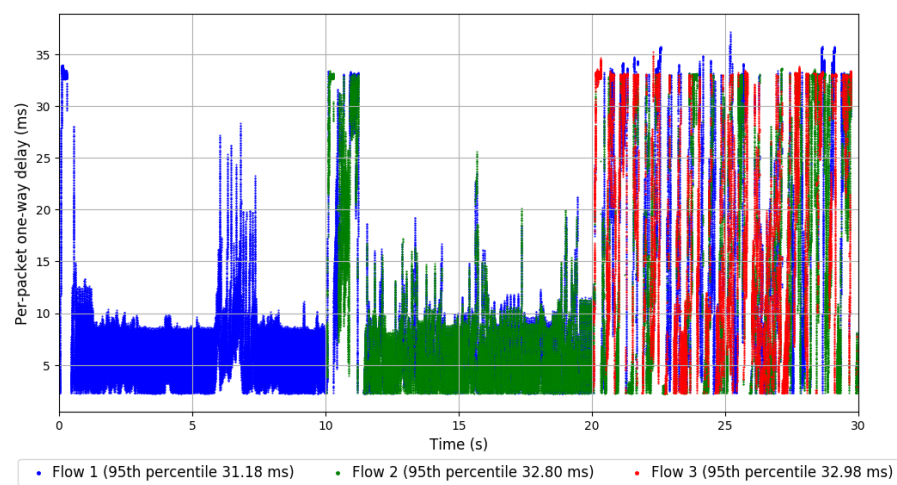
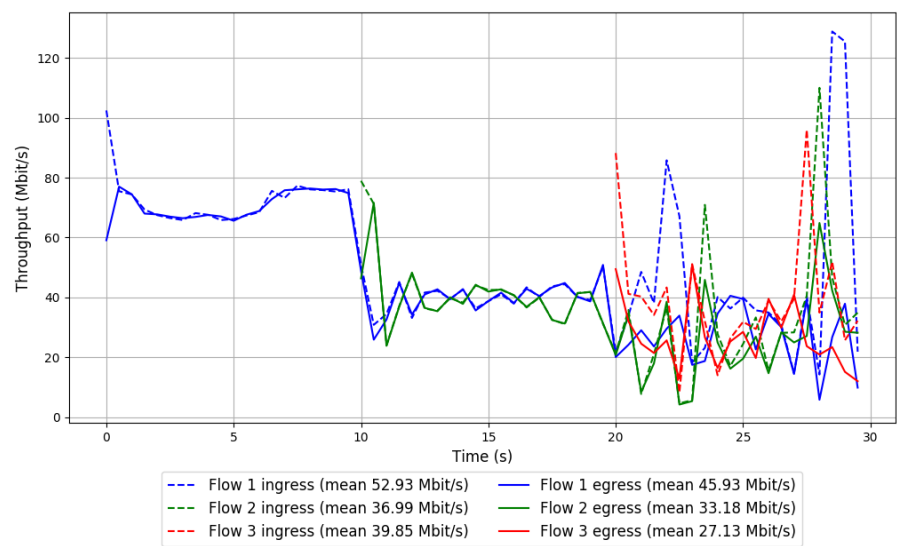


Run 3: Statistics of Verus

Start at: 2018-02-13 17:41:43
End at: 2018-02-13 17:42:13
Local clock offset: -3.572 ms
Remote clock offset: -4.506 ms

Below is generated by plot.py at 2018-02-13 20:58:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.01 Mbit/s
95th percentile per-packet one-way delay: 32.612 ms
Loss rate: 15.14%
-- Flow 1:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 13.22%
-- Flow 2:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 32.798 ms
Loss rate: 10.27%
-- Flow 3:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 32.975 ms
Loss rate: 31.94%

Run 3: Report of Verus — Data Link

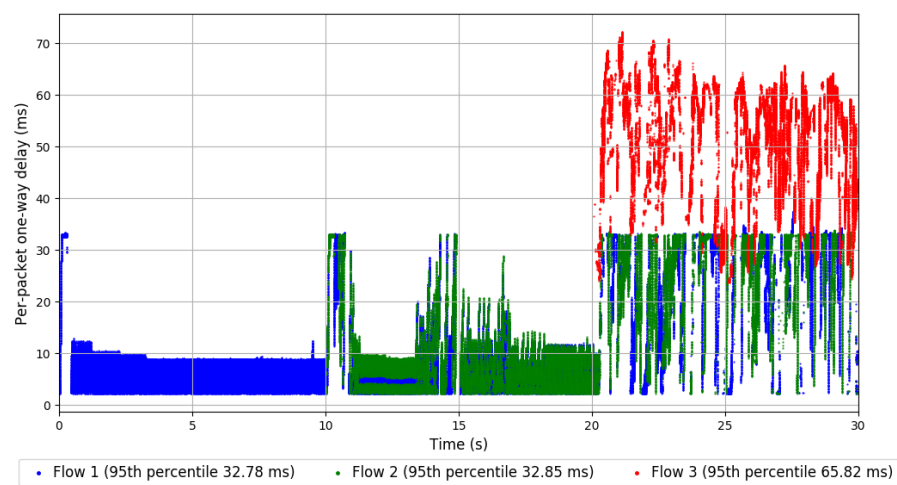
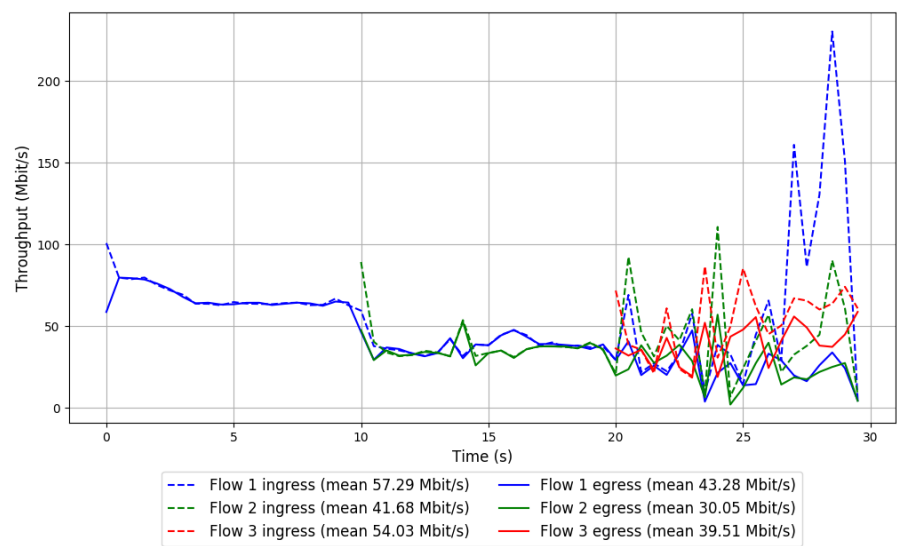


Run 4: Statistics of Verus

Start at: 2018-02-13 18:02:10
End at: 2018-02-13 18:02:40
Local clock offset: -3.902 ms
Remote clock offset: -4.274 ms

Below is generated by plot.py at 2018-02-13 20:58:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.34 Mbit/s
95th percentile per-packet one-way delay: 58.637 ms
Loss rate: 25.83%
-- Flow 1:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: 32.776 ms
Loss rate: 24.44%
-- Flow 2:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 32.854 ms
Loss rate: 27.89%
-- Flow 3:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 65.821 ms
Loss rate: 27.07%

Run 4: Report of Verus — Data Link

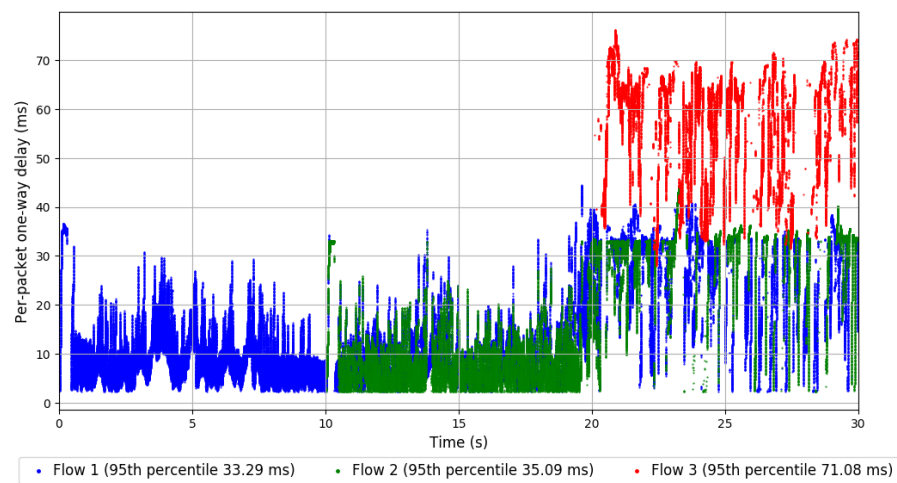
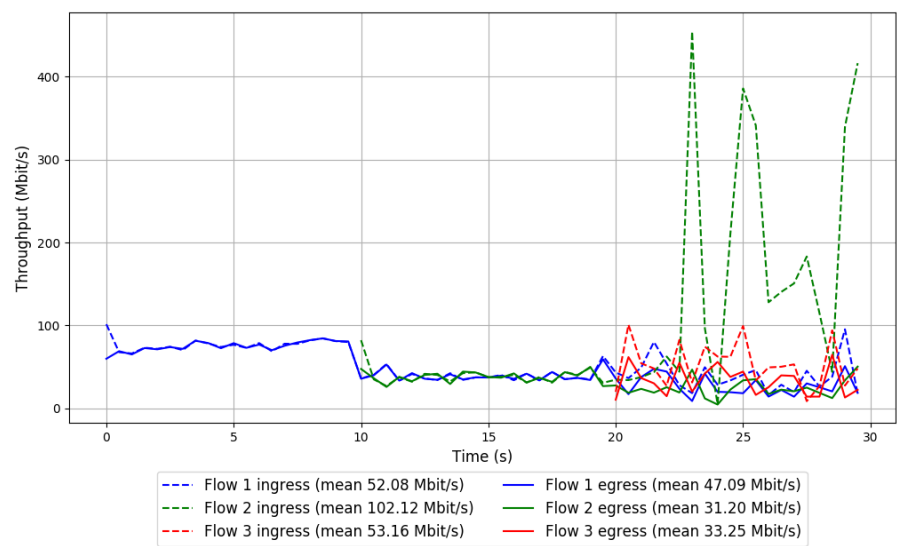


Run 5: Statistics of Verus

Start at: 2018-02-13 18:22:35
End at: 2018-02-13 18:23:05
Local clock offset: -3.927 ms
Remote clock offset: -4.169 ms

Below is generated by plot.py at 2018-02-13 20:58:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 62.953 ms
Loss rate: 42.63%
-- Flow 1:
Average throughput: 47.09 Mbit/s
95th percentile per-packet one-way delay: 33.290 ms
Loss rate: 9.48%
-- Flow 2:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 35.092 ms
Loss rate: 69.41%
-- Flow 3:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 71.081 ms
Loss rate: 37.62%

Run 5: Report of Verus — Data Link

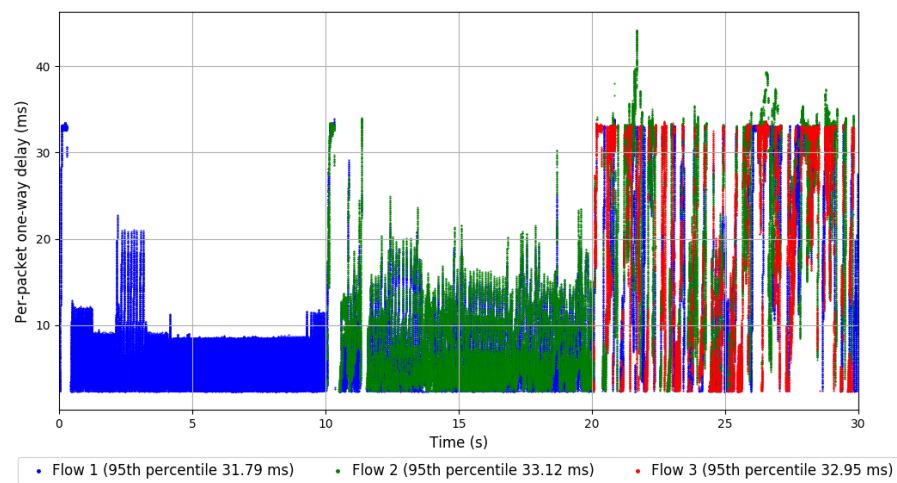
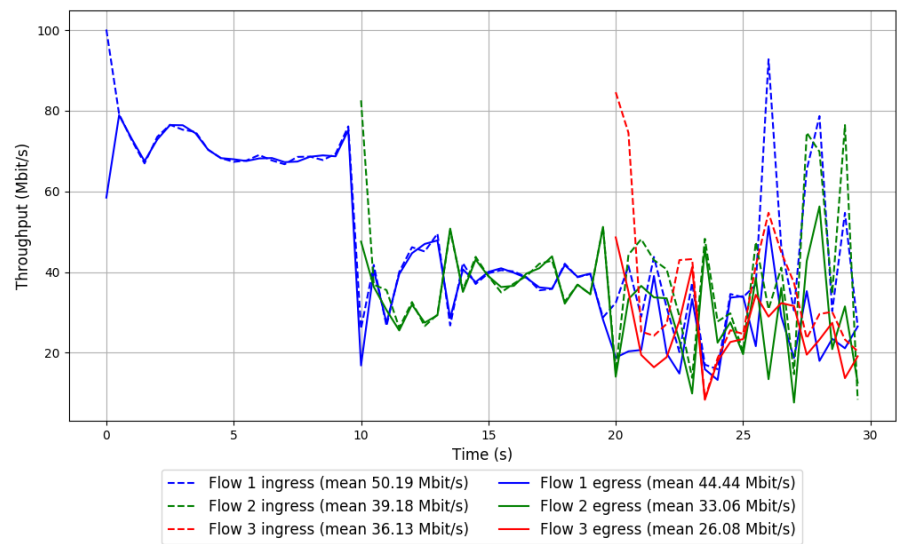


Run 6: Statistics of Verus

Start at: 2018-02-13 18:43:02
End at: 2018-02-13 18:43:32
Local clock offset: -4.695 ms
Remote clock offset: -4.036 ms

Below is generated by plot.py at 2018-02-13 20:58:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.78 Mbit/s
95th percentile per-packet one-way delay: 32.890 ms
Loss rate: 14.77%
-- Flow 1:
Average throughput: 44.44 Mbit/s
95th percentile per-packet one-way delay: 31.787 ms
Loss rate: 11.38%
-- Flow 2:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 33.121 ms
Loss rate: 15.49%
-- Flow 3:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 32.949 ms
Loss rate: 27.64%

Run 6: Report of Verus — Data Link

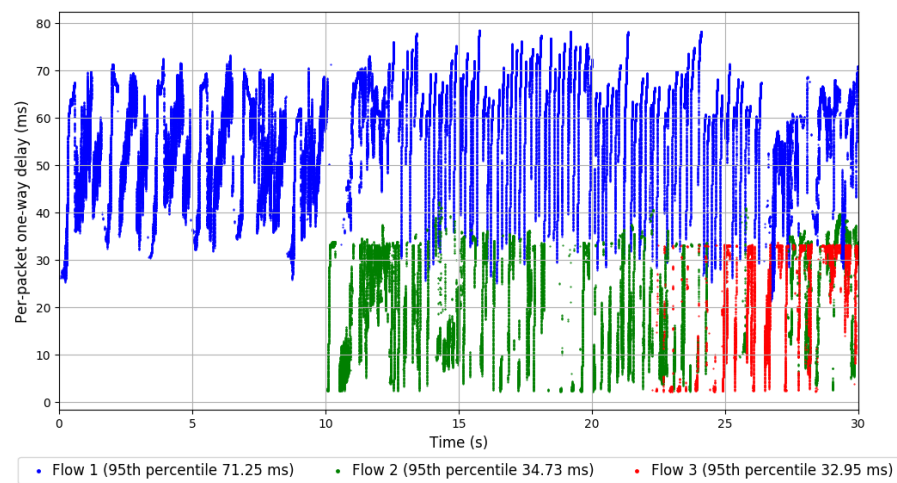
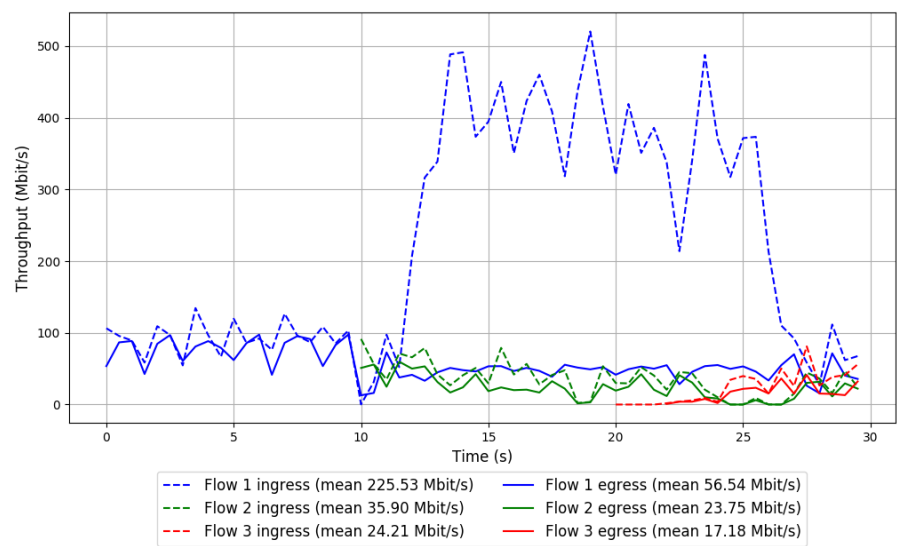


Run 7: Statistics of Verus

Start at: 2018-02-13 19:03:33
End at: 2018-02-13 19:04:03
Local clock offset: -4.61 ms
Remote clock offset: -4.245 ms

Below is generated by plot.py at 2018-02-13 20:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.75 Mbit/s
95th percentile per-packet one-way delay: 70.180 ms
Loss rate: 70.13%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 71.249 ms
Loss rate: 74.91%
-- Flow 2:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 34.725 ms
Loss rate: 33.82%
-- Flow 3:
Average throughput: 17.18 Mbit/s
95th percentile per-packet one-way delay: 32.946 ms
Loss rate: 43.47%

Run 7: Report of Verus — Data Link

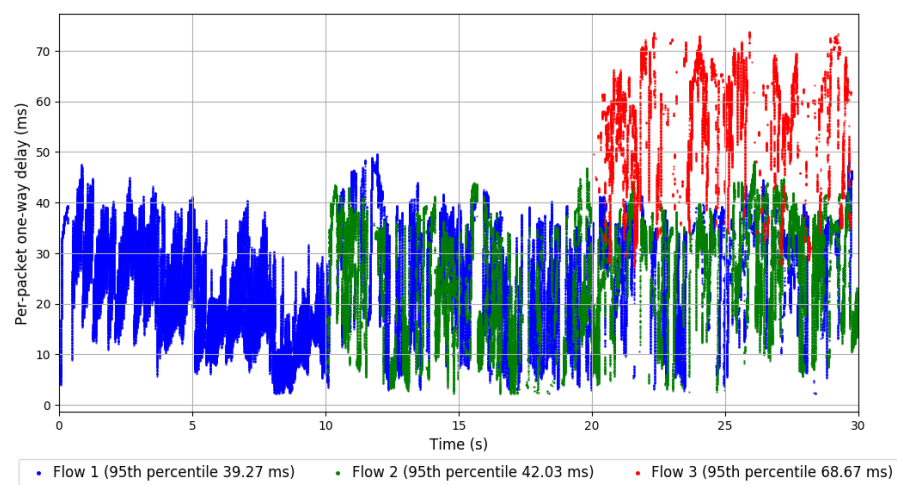
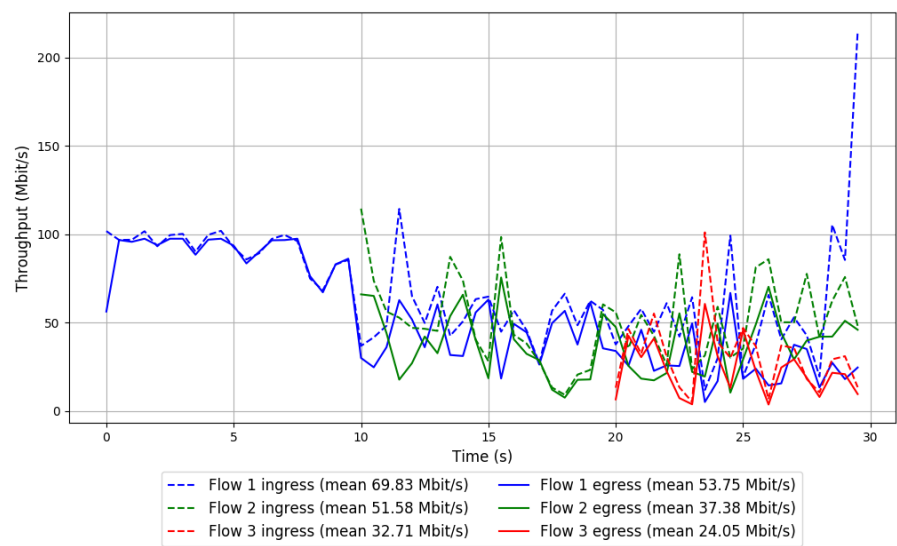


Run 8: Statistics of Verus

Start at: 2018-02-13 19:24:03
End at: 2018-02-13 19:24:33
Local clock offset: -4.26 ms
Remote clock offset: -4.324 ms

Below is generated by plot.py at 2018-02-13 20:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 55.030 ms
Loss rate: 24.64%
-- Flow 1:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: 39.271 ms
Loss rate: 22.93%
-- Flow 2:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 42.027 ms
Loss rate: 27.51%
-- Flow 3:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 68.675 ms
Loss rate: 26.58%

Run 8: Report of Verus — Data Link

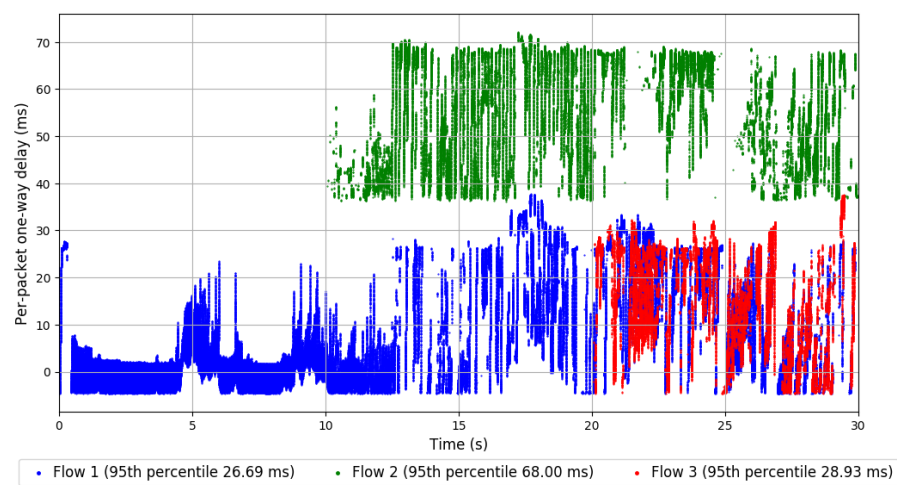
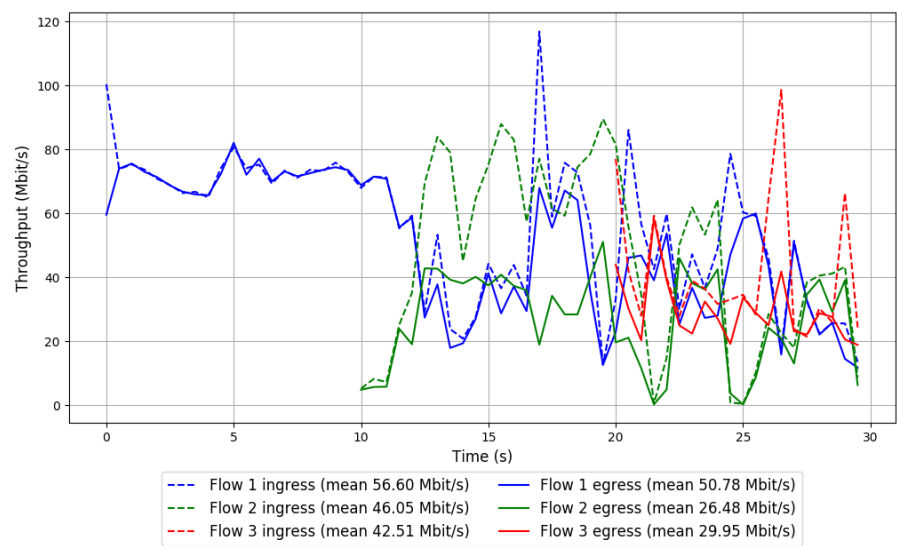


Run 9: Statistics of Verus

Start at: 2018-02-13 19:44:32
End at: 2018-02-13 19:45:02
Local clock offset: -5.109 ms
Remote clock offset: -10.315 ms

Below is generated by plot.py at 2018-02-13 20:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.04 Mbit/s
95th percentile per-packet one-way delay: 65.210 ms
Loss rate: 22.68%
-- Flow 1:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 26.692 ms
Loss rate: 10.20%
-- Flow 2:
Average throughput: 26.48 Mbit/s
95th percentile per-packet one-way delay: 68.005 ms
Loss rate: 42.62%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 28.932 ms
Loss rate: 29.35%

Run 9: Report of Verus — Data Link

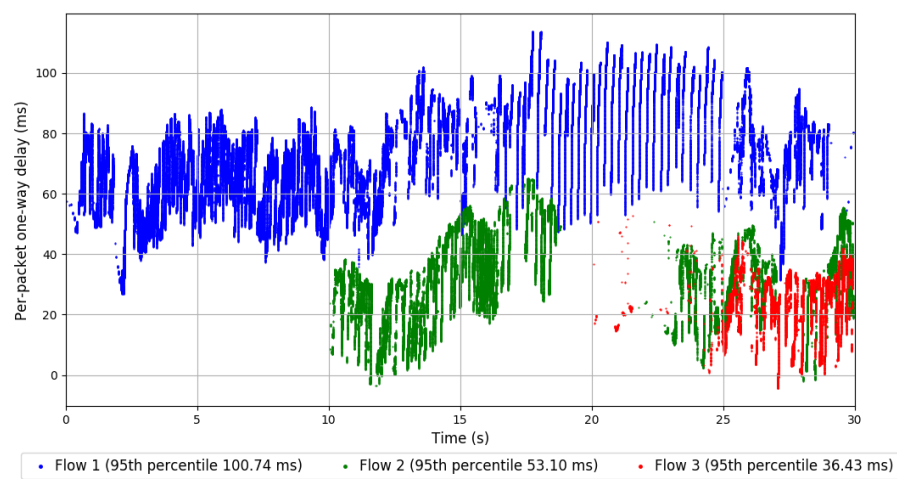
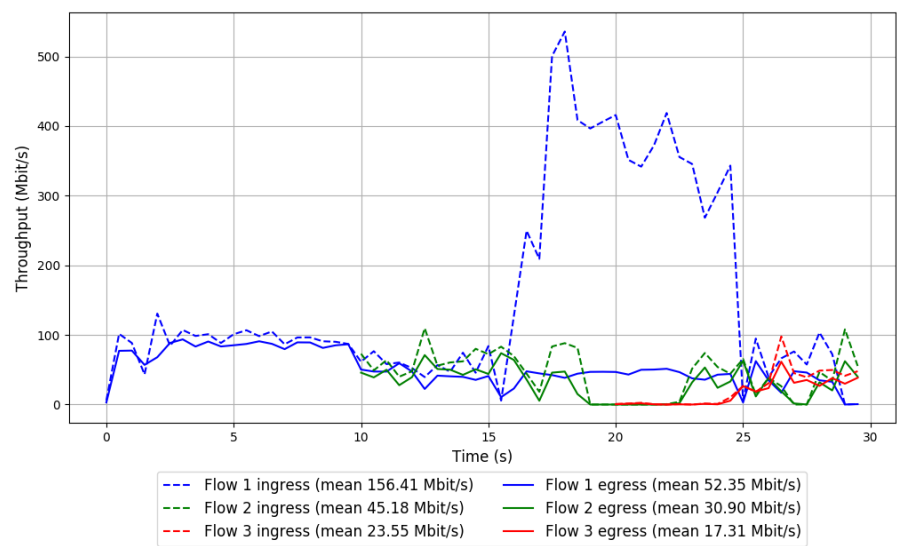


Run 10: Statistics of Verus

Start at: 2018-02-13 20:05:00
End at: 2018-02-13 20:05:30
Local clock offset: -0.095 ms
Remote clock offset: -8.089 ms

Below is generated by plot.py at 2018-02-13 20:59:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 98.429 ms
Loss rate: 59.49%
-- Flow 1:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 100.740 ms
Loss rate: 66.50%
-- Flow 2:
Average throughput: 30.90 Mbit/s
95th percentile per-packet one-way delay: 53.101 ms
Loss rate: 31.60%
-- Flow 3:
Average throughput: 17.31 Mbit/s
95th percentile per-packet one-way delay: 36.427 ms
Loss rate: 26.48%

Run 10: Report of Verus — Data Link

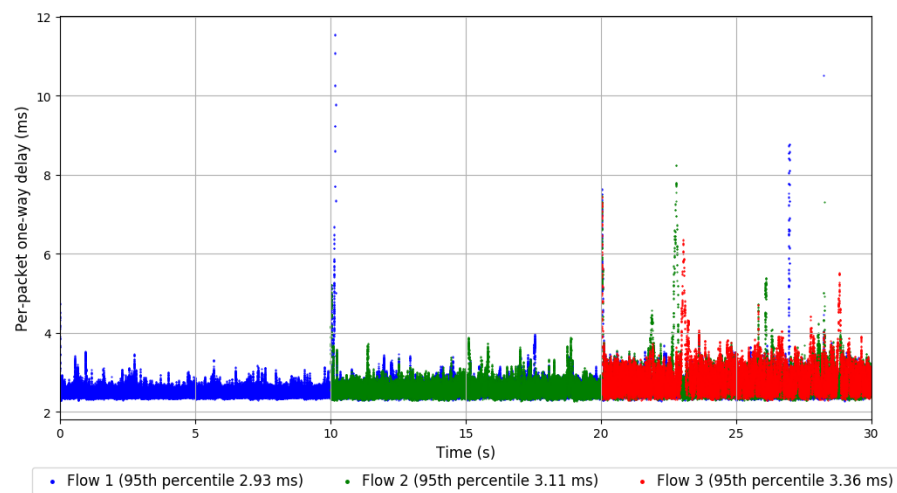
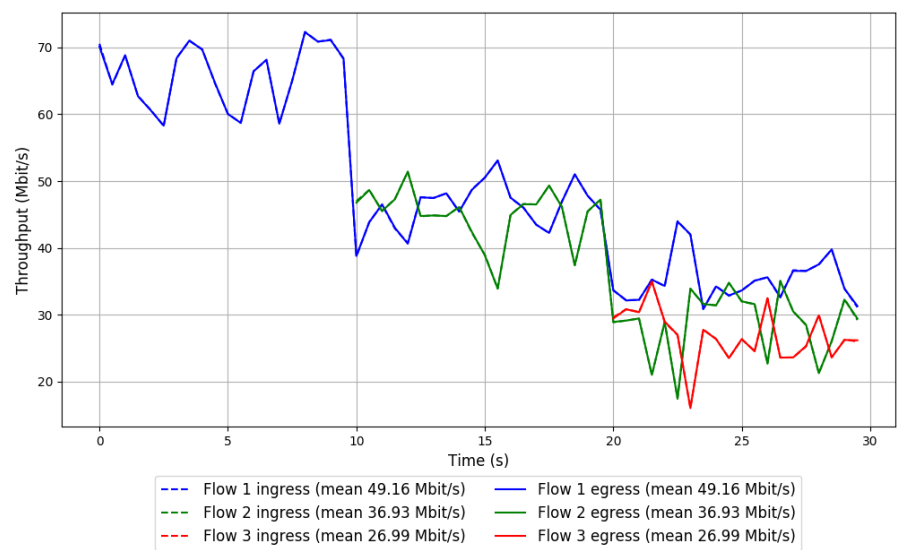


Run 1: Statistics of Copa

Start at: 2018-02-13 16:52:49
End at: 2018-02-13 16:53:19
Local clock offset: -5.266 ms
Remote clock offset: -5.223 ms

Below is generated by plot.py at 2018-02-13 21:00:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 3.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 2.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 3.111 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 3.357 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

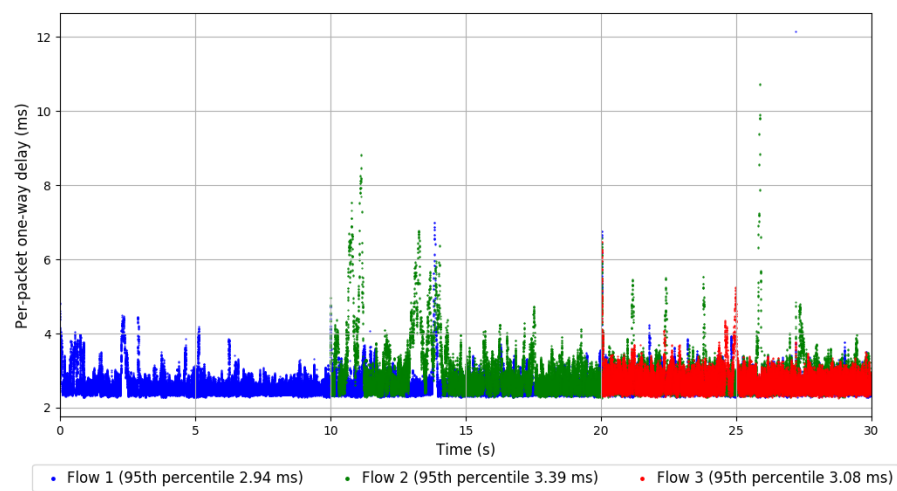
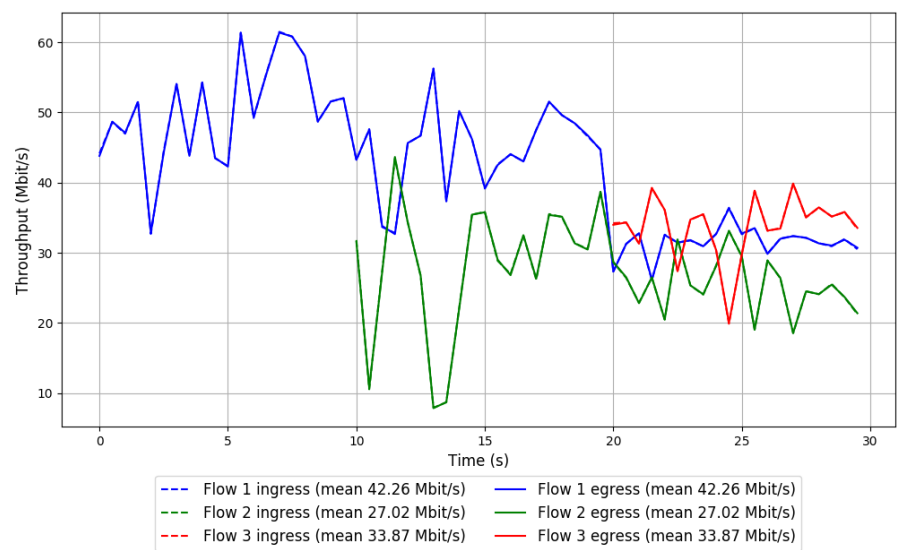


Run 2: Statistics of Copa

Start at: 2018-02-13 17:13:20
End at: 2018-02-13 17:13:50
Local clock offset: -4.982 ms
Remote clock offset: -4.894 ms

```
# Below is generated by plot.py at 2018-02-13 21:00:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.51 Mbit/s
95th percentile per-packet one-way delay: 3.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: 2.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.02 Mbit/s
95th percentile per-packet one-way delay: 3.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 3.084 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-13 17:33:50

End at: 2018-02-13 17:34:20

Local clock offset: -3.813 ms

Remote clock offset: -4.49 ms

Below is generated by plot.py at 2018-02-13 21:00:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.03 Mbit/s

95th percentile per-packet one-way delay: 3.728 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.63 Mbit/s

95th percentile per-packet one-way delay: 5.971 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.39 Mbit/s

95th percentile per-packet one-way delay: 2.960 ms

Loss rate: 0.00%

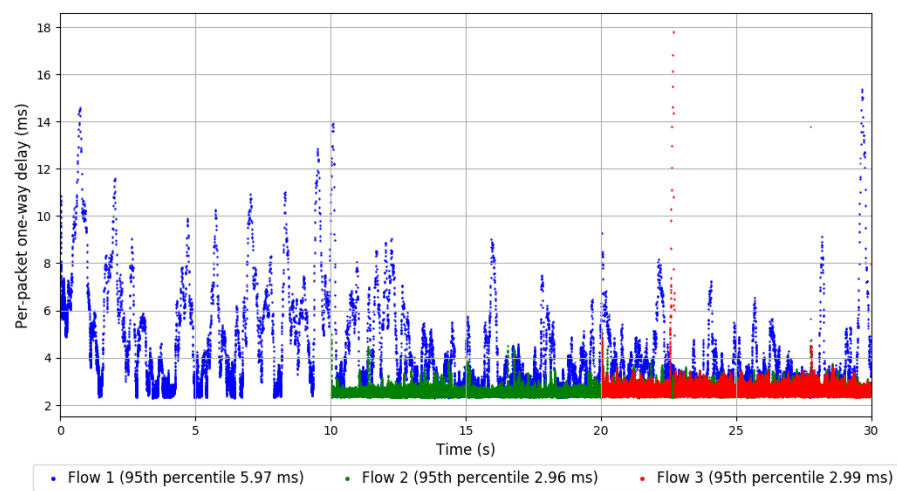
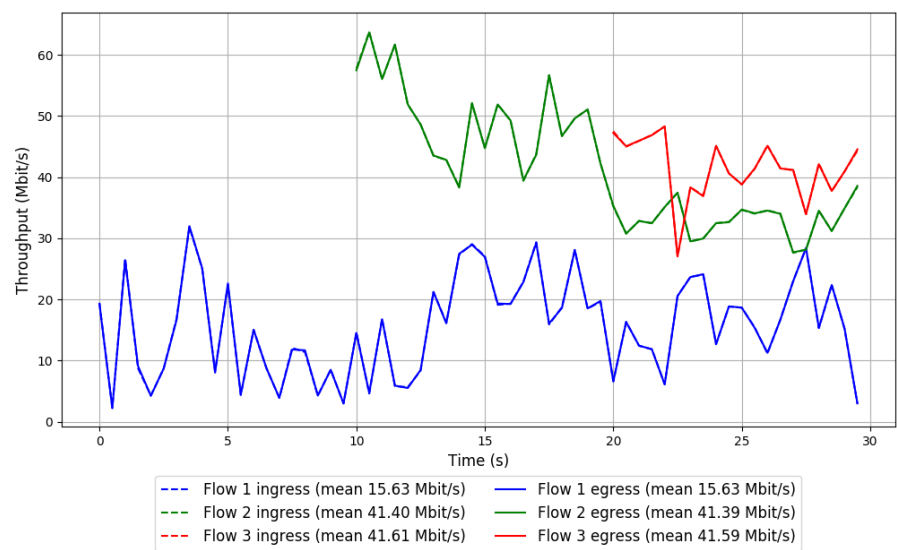
-- Flow 3:

Average throughput: 41.59 Mbit/s

95th percentile per-packet one-way delay: 2.990 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link

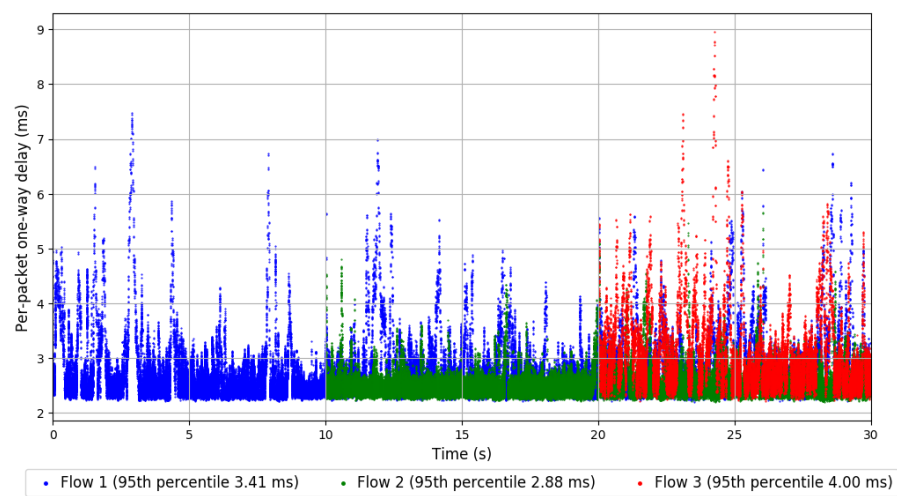
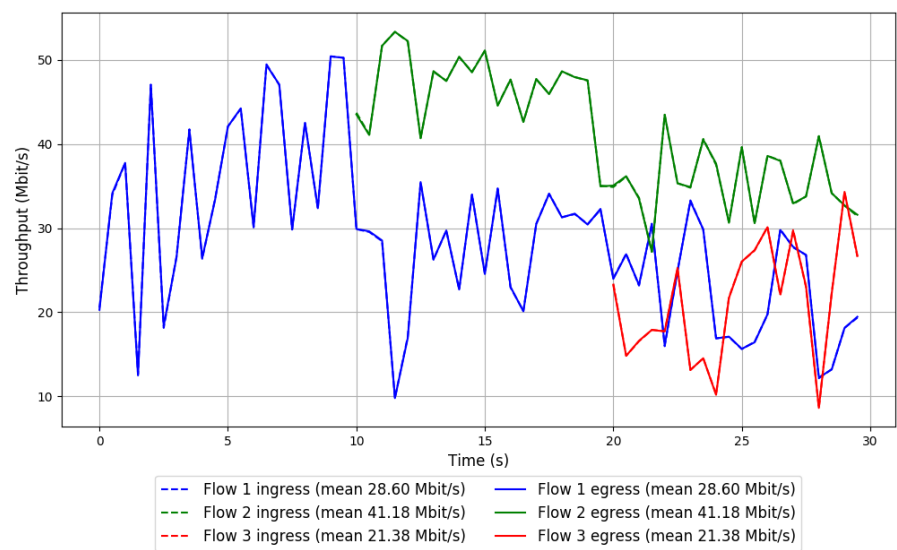


Run 4: Statistics of Copa

Start at: 2018-02-13 17:54:16
End at: 2018-02-13 17:54:46
Local clock offset: -3.64 ms
Remote clock offset: -4.323 ms

```
# Below is generated by plot.py at 2018-02-13 21:00:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.12 Mbit/s
95th percentile per-packet one-way delay: 3.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 3.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 2.877 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 3.997 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

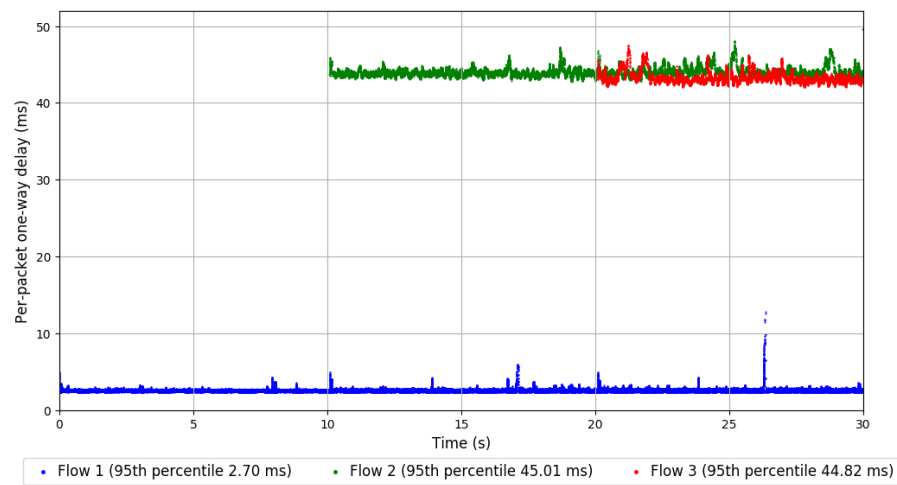
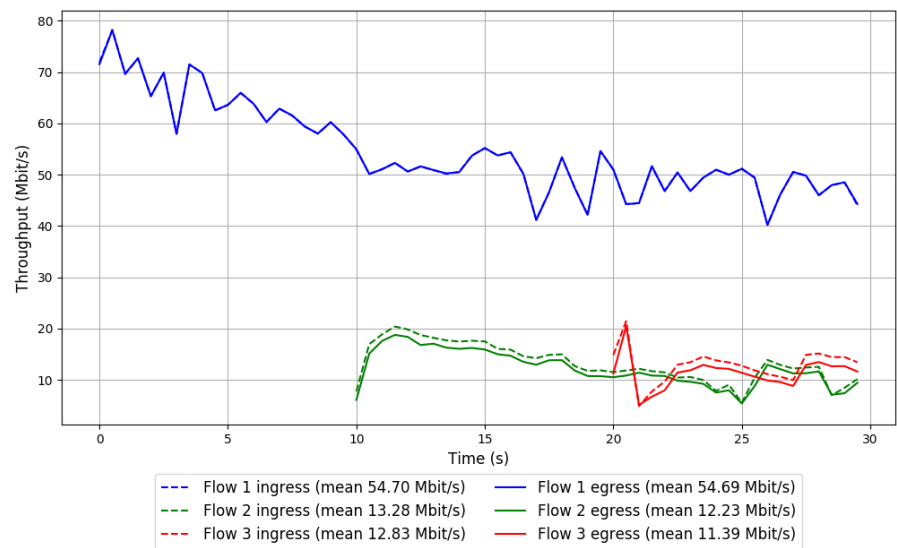


Run 5: Statistics of Copa

Start at: 2018-02-13 18:14:42
End at: 2018-02-13 18:15:12
Local clock offset: -4.028 ms
Remote clock offset: -4.189 ms

```
# Below is generated by plot.py at 2018-02-13 21:00:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 44.019 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 54.69 Mbit/s
95th percentile per-packet one-way delay: 2.701 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 45.011 ms
Loss rate: 8.05%
-- Flow 3:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 44.823 ms
Loss rate: 11.58%
```

Run 5: Report of Copa — Data Link

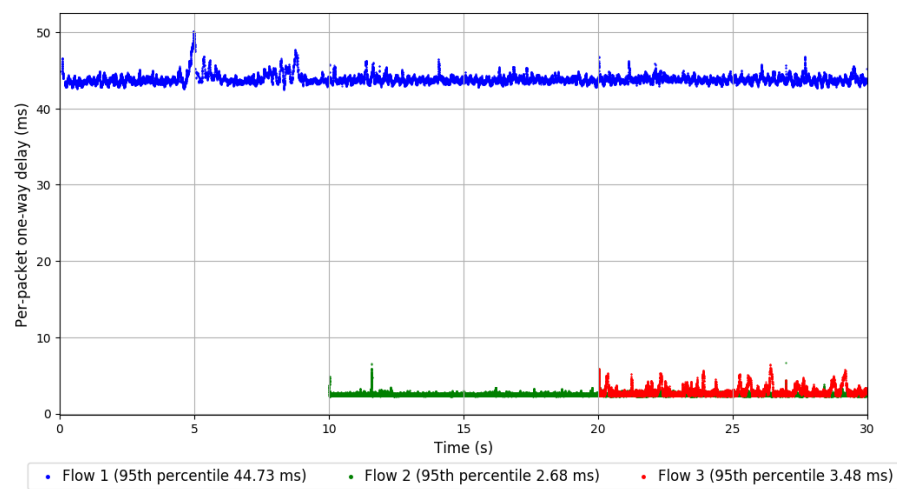
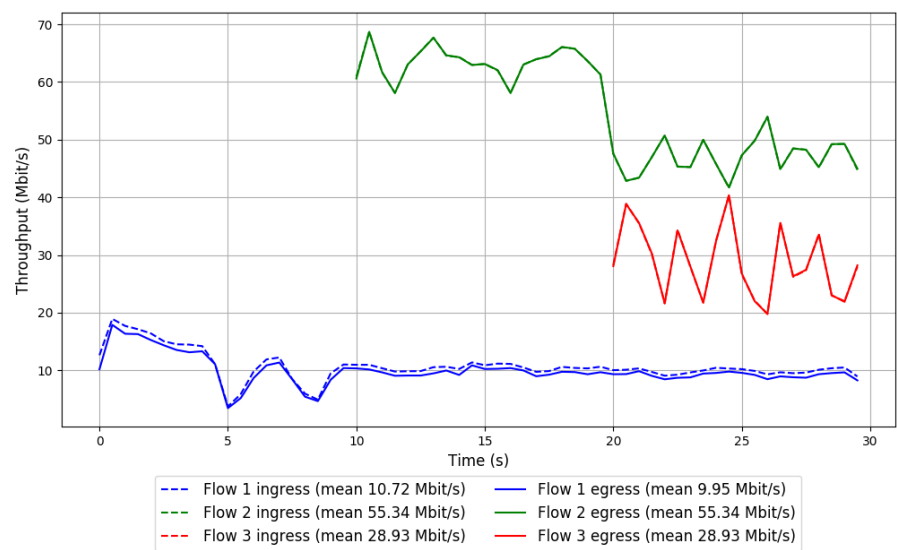


Run 6: Statistics of Copa

Start at: 2018-02-13 18:35:10
End at: 2018-02-13 18:35:40
Local clock offset: -4.527 ms
Remote clock offset: -4.098 ms

```
# Below is generated by plot.py at 2018-02-13 21:00:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 43.944 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 44.726 ms
Loss rate: 7.29%
-- Flow 2:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 2.679 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 3.479 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

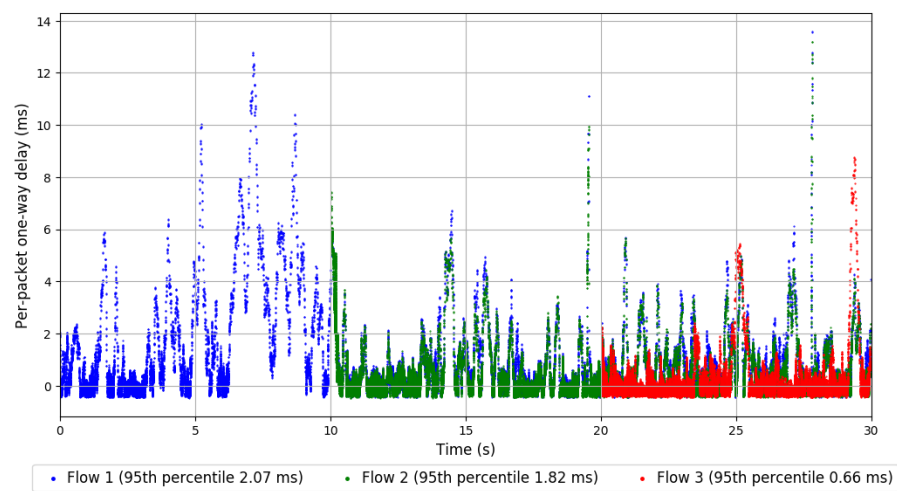
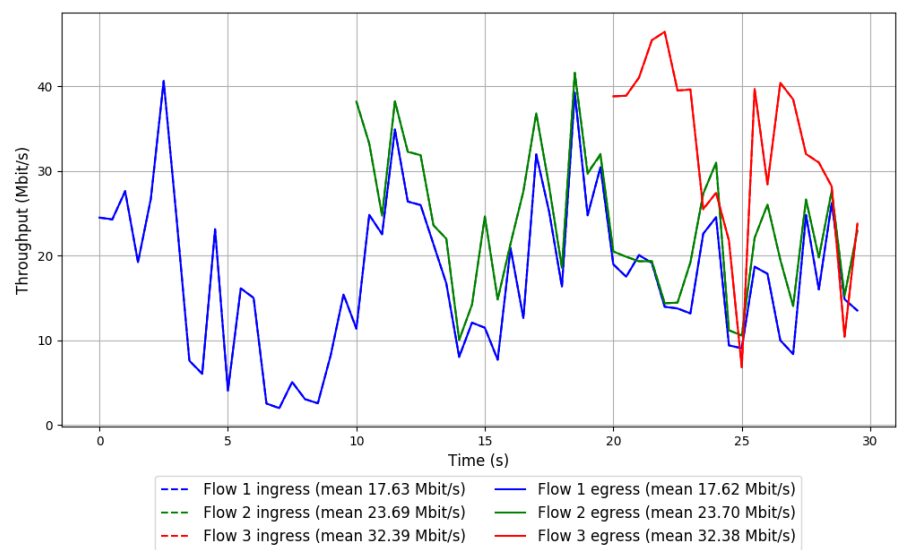


Run 7: Statistics of Copa

Start at: 2018-02-13 18:55:39
End at: 2018-02-13 18:56:09
Local clock offset: -4.754 ms
Remote clock offset: -6.811 ms

```
# Below is generated by plot.py at 2018-02-13 21:00:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 1.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.62 Mbit/s
95th percentile per-packet one-way delay: 2.074 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.70 Mbit/s
95th percentile per-packet one-way delay: 1.821 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.38 Mbit/s
95th percentile per-packet one-way delay: 0.660 ms
Loss rate: 0.00%
```


Run 7: Report of Copa — Data Link

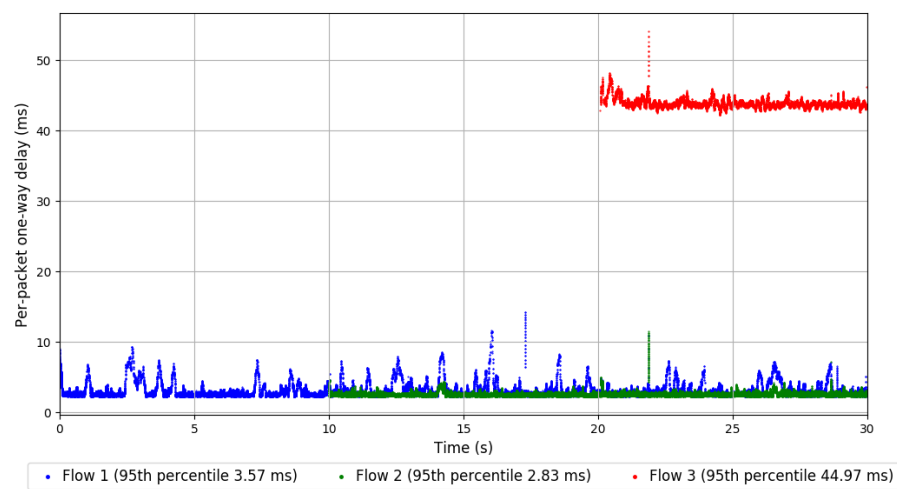
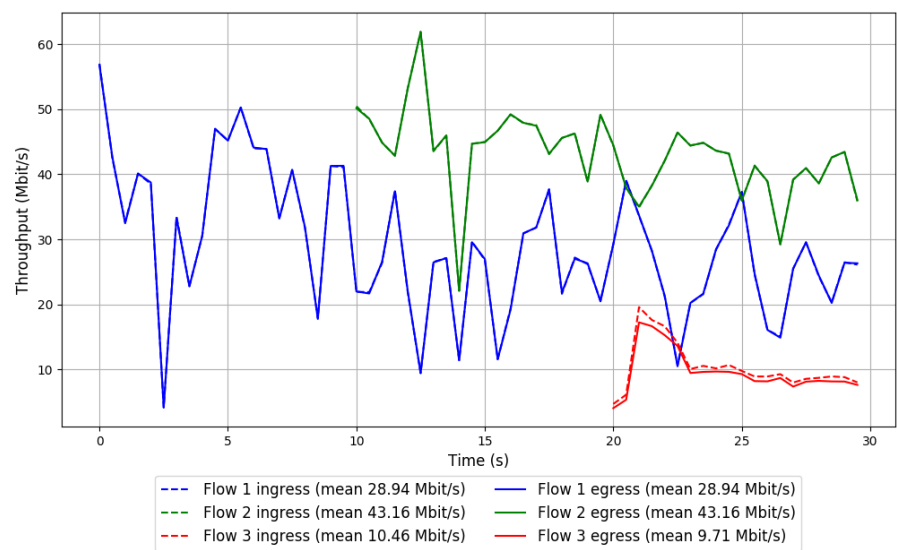


Run 8: Statistics of Copa

Start at: 2018-02-13 19:16:07
End at: 2018-02-13 19:16:37
Local clock offset: -4.391 ms
Remote clock offset: -4.306 ms

Below is generated by plot.py at 2018-02-13 21:01:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 43.193 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 28.94 Mbit/s
95th percentile per-packet one-way delay: 3.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 2.826 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 44.968 ms
Loss rate: 7.46%

Run 8: Report of Copa — Data Link

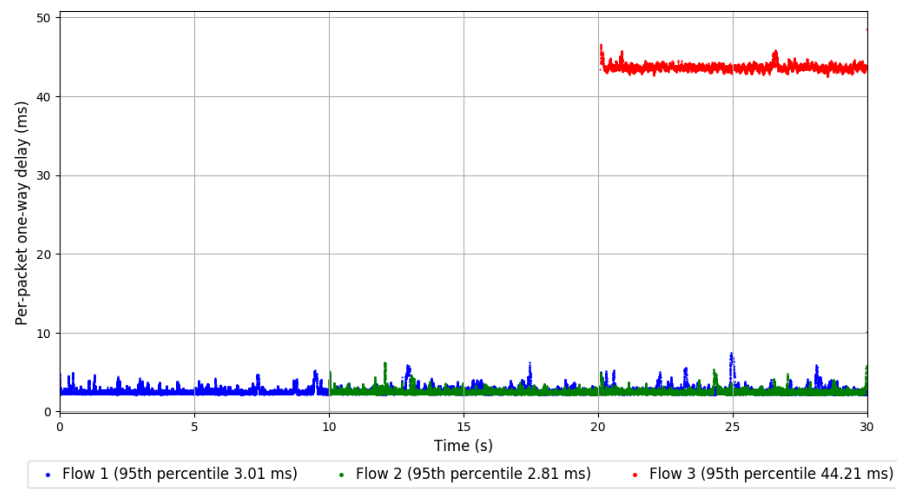
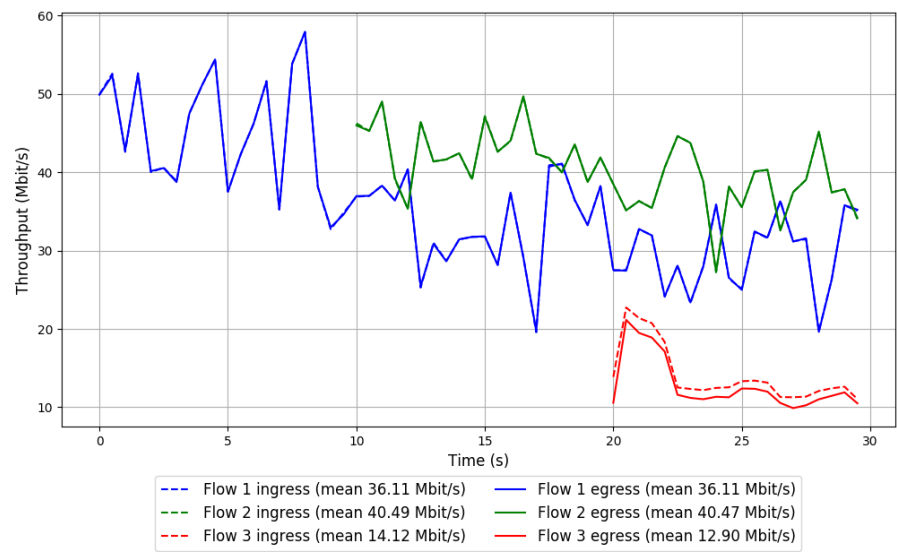


Run 9: Statistics of Copa

Start at: 2018-02-13 19:36:36
End at: 2018-02-13 19:37:06
Local clock offset: -4.636 ms
Remote clock offset: -3.658 ms

Below is generated by plot.py at 2018-02-13 21:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.32 Mbit/s
95th percentile per-packet one-way delay: 43.412 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 36.11 Mbit/s
95th percentile per-packet one-way delay: 3.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 2.808 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 44.210 ms
Loss rate: 8.95%

Run 9: Report of Copa — Data Link

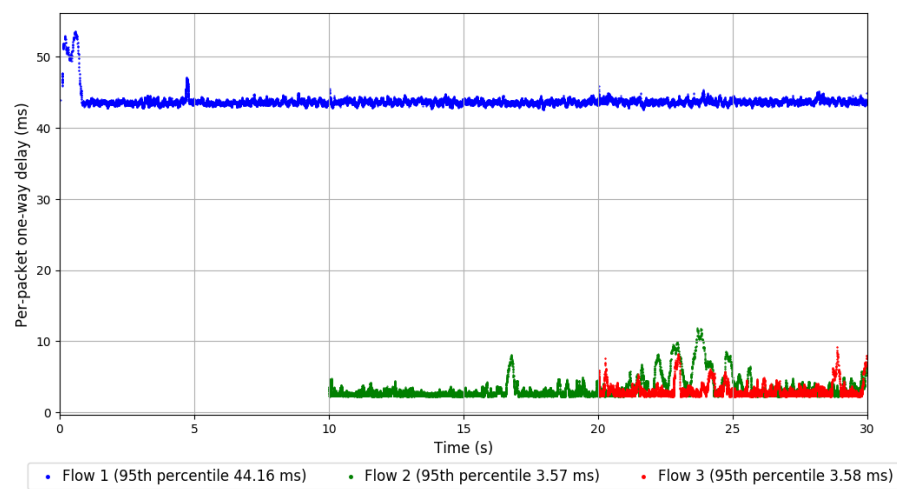
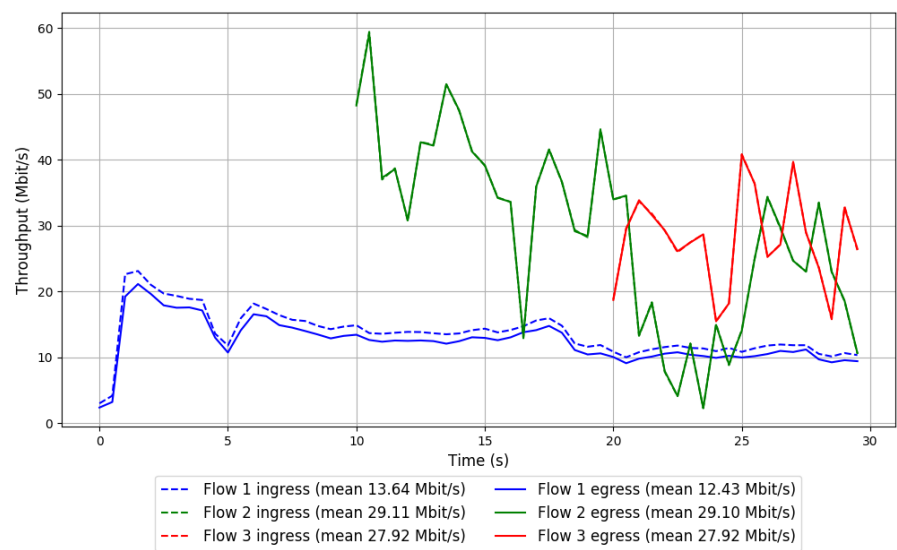


Run 10: Statistics of Copa

Start at: 2018-02-13 19:57:04
End at: 2018-02-13 19:57:34
Local clock offset: -5.451 ms
Remote clock offset: -3.343 ms

```
# Below is generated by plot.py at 2018-02-13 21:01:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 43.924 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 44.158 ms
Loss rate: 8.99%
-- Flow 2:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 3.569 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 3.584 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

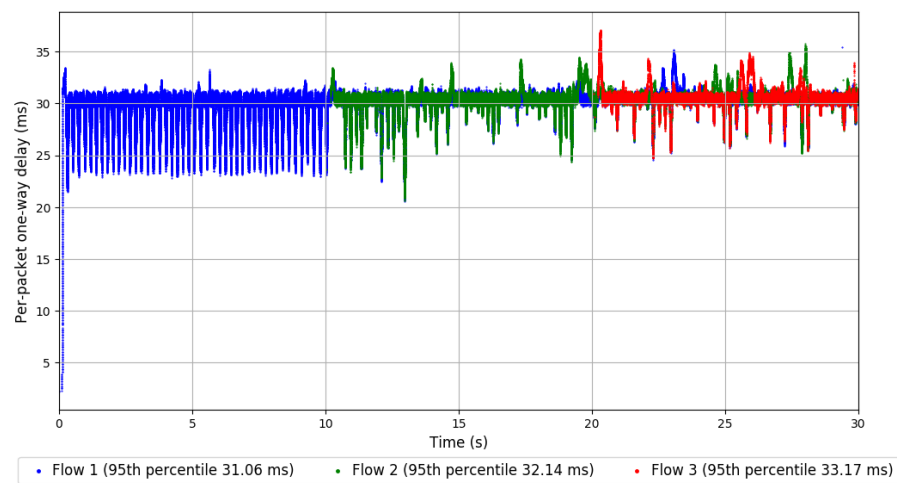
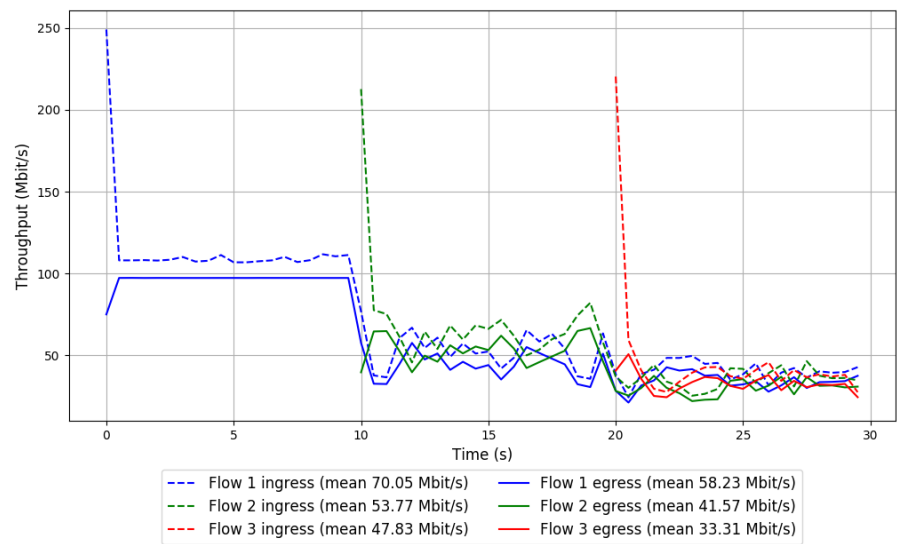


Run 1: Statistics of FillP

Start at: 2018-02-13 17:11:00
End at: 2018-02-13 17:11:30
Local clock offset: -5.017 ms
Remote clock offset: -5.098 ms

Below is generated by plot.py at 2018-02-13 21:01:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 31.443 ms
Loss rate: 20.29%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 31.057 ms
Loss rate: 16.79%
-- Flow 2:
Average throughput: 41.57 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 22.67%
-- Flow 3:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 33.170 ms
Loss rate: 30.36%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-02-13 17:31:29

End at: 2018-02-13 17:31:59

Local clock offset: -3.949 ms

Remote clock offset: -4.58 ms

Below is generated by plot.py at 2018-02-13 21:01:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 71.105 ms

Loss rate: 21.39%

-- Flow 1:

Average throughput: 40.90 Mbit/s

95th percentile per-packet one-way delay: 71.530 ms

Loss rate: 20.30%

-- Flow 2:

Average throughput: 61.95 Mbit/s

95th percentile per-packet one-way delay: 30.972 ms

Loss rate: 20.23%

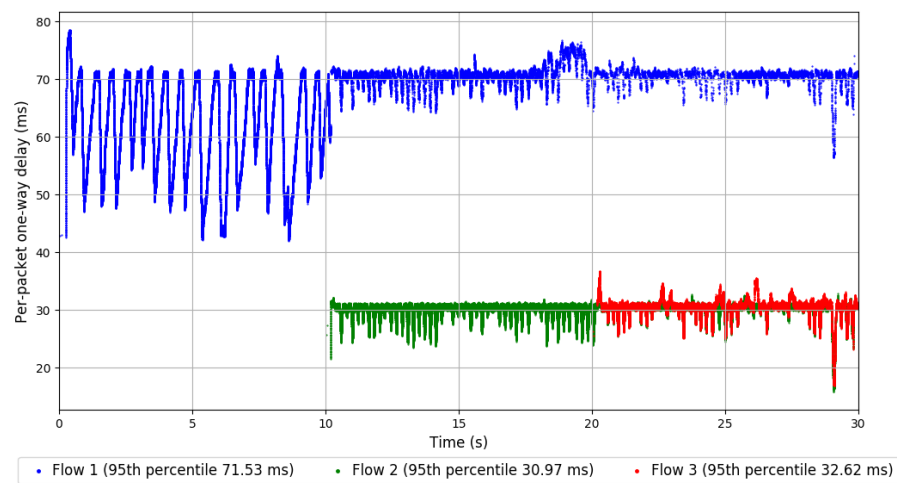
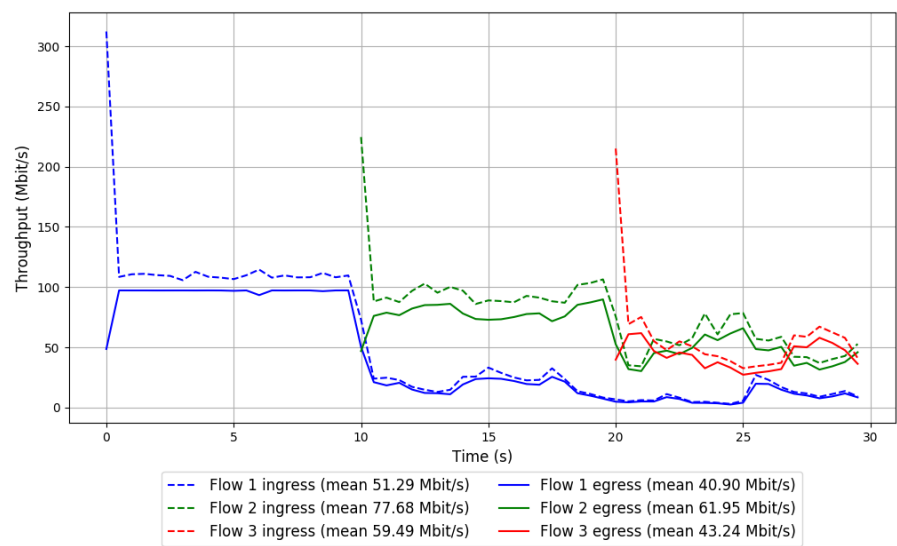
-- Flow 3:

Average throughput: 43.24 Mbit/s

95th percentile per-packet one-way delay: 32.618 ms

Loss rate: 27.29%

Run 2: Report of FillP — Data Link

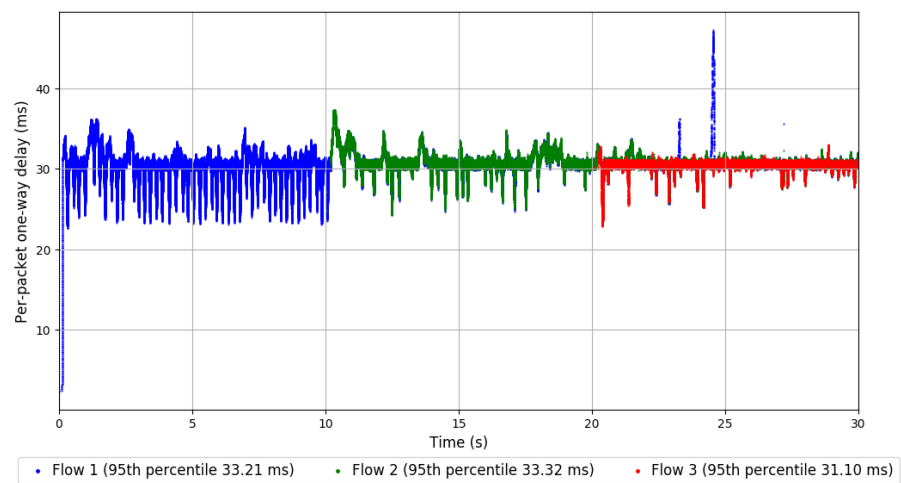
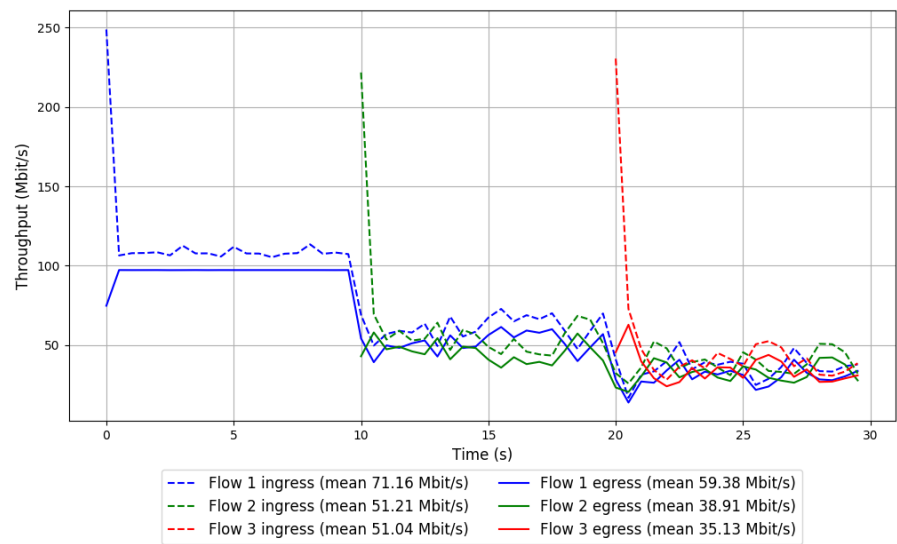


Run 3: Statistics of FillP

Start at: 2018-02-13 17:51:56
End at: 2018-02-13 17:52:26
Local clock offset: -3.57 ms
Remote clock offset: -4.327 ms

Below is generated by plot.py at 2018-02-13 21:02:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 33.110 ms
Loss rate: 20.60%
-- Flow 1:
Average throughput: 59.38 Mbit/s
95th percentile per-packet one-way delay: 33.208 ms
Loss rate: 16.47%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 33.322 ms
Loss rate: 24.00%
-- Flow 3:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 31.103 ms
Loss rate: 31.16%

Run 3: Report of FillP — Data Link

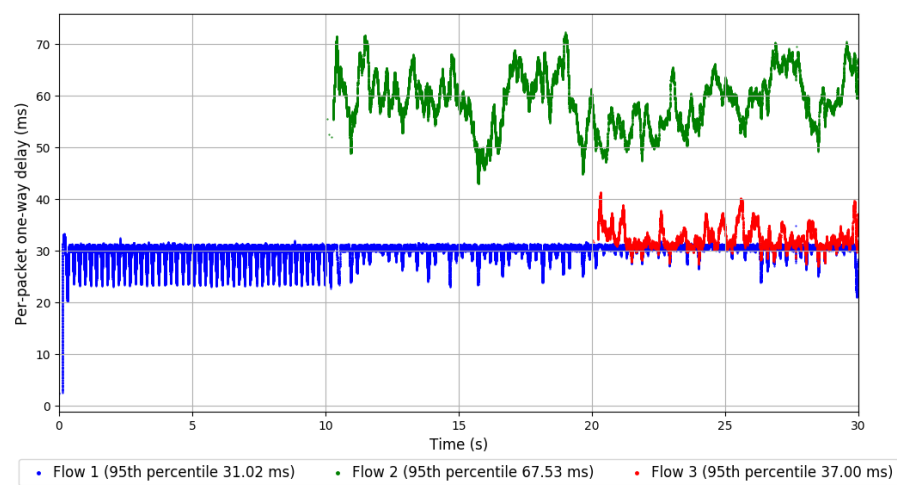
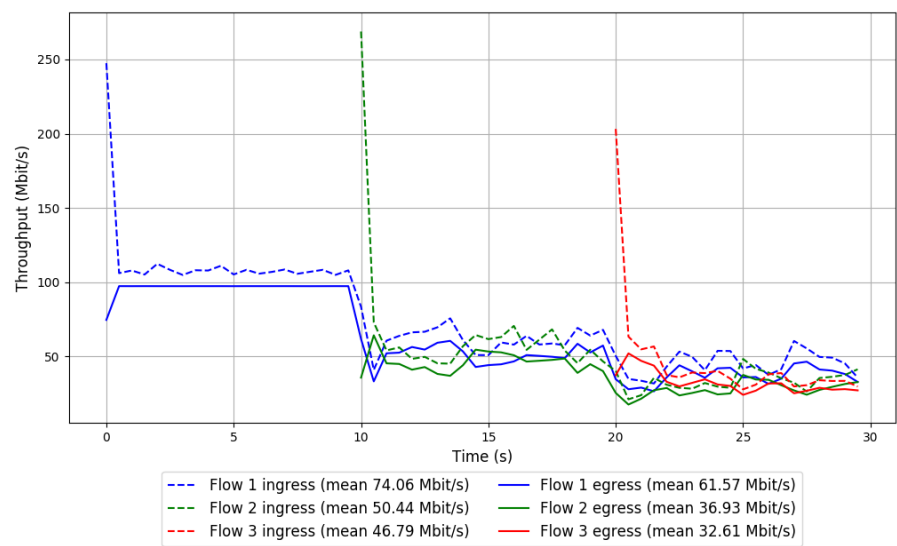


Run 4: Statistics of FillP

Start at: 2018-02-13 18:12:22
End at: 2018-02-13 18:12:52
Local clock offset: -4.043 ms
Remote clock offset: -4.209 ms

Below is generated by plot.py at 2018-02-13 21:02:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 64.156 ms
Loss rate: 21.25%
-- Flow 1:
Average throughput: 61.57 Mbit/s
95th percentile per-packet one-way delay: 31.016 ms
Loss rate: 16.79%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 67.534 ms
Loss rate: 26.88%
-- Flow 3:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 37.003 ms
Loss rate: 30.33%

Run 4: Report of FillP — Data Link

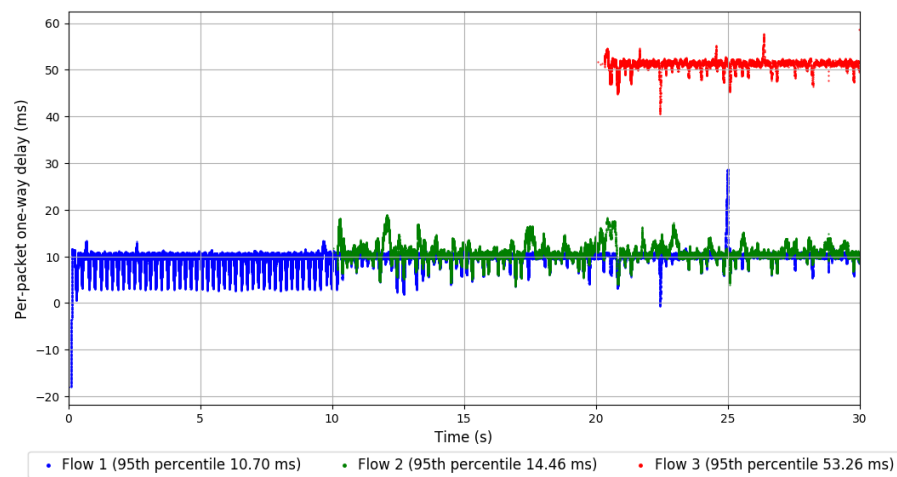
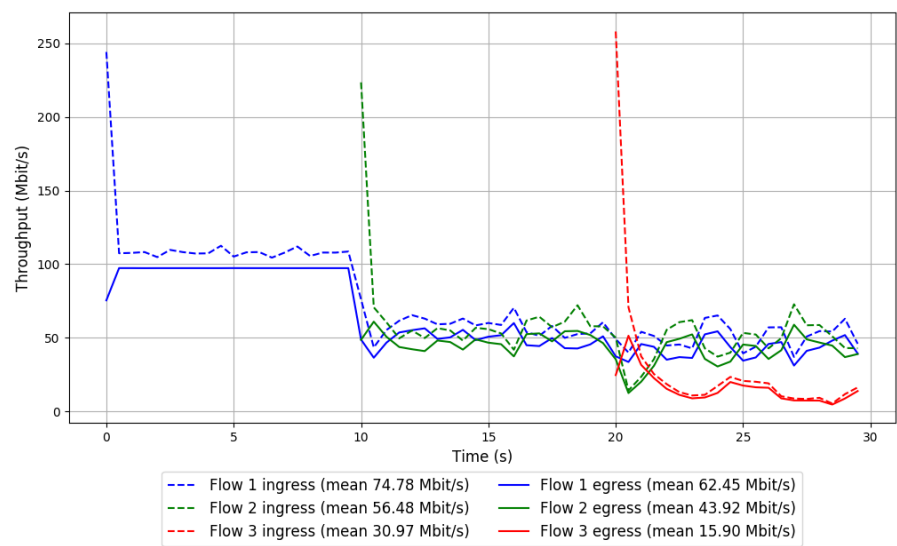


Run 5: Statistics of FillP

Start at: 2018-02-13 18:32:50
End at: 2018-02-13 18:33:20
Local clock offset: -4.455 ms
Remote clock offset: -24.418 ms

Below is generated by plot.py at 2018-02-13 21:02:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 48.456 ms
Loss rate: 20.91%
-- Flow 1:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 10.695 ms
Loss rate: 16.40%
-- Flow 2:
Average throughput: 43.92 Mbit/s
95th percentile per-packet one-way delay: 14.460 ms
Loss rate: 22.25%
-- Flow 3:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 53.256 ms
Loss rate: 48.82%

Run 5: Report of FillP — Data Link

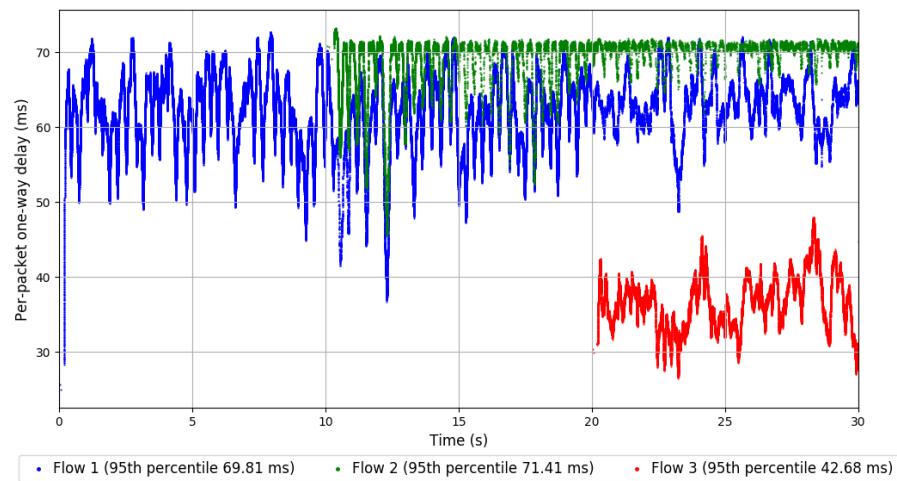
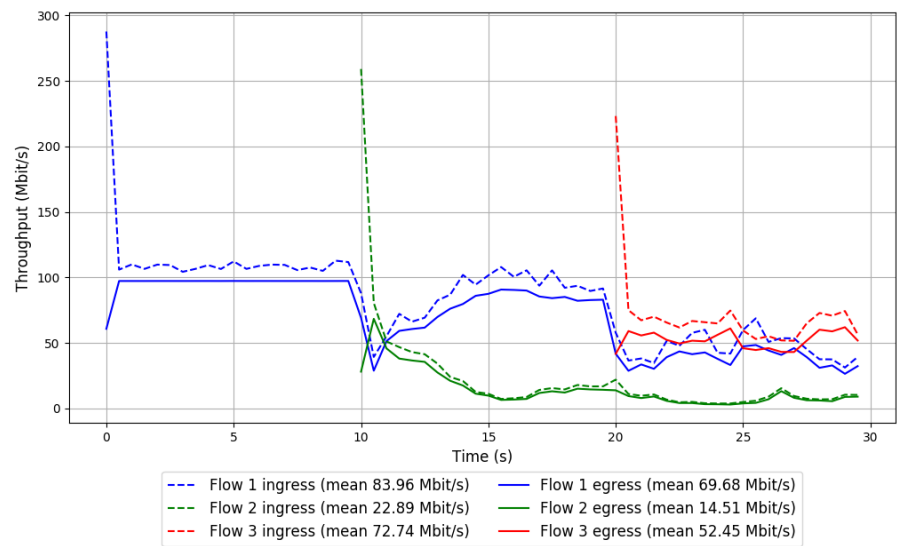


Run 6: Statistics of FillP

Start at: 2018-02-13 18:53:19
End at: 2018-02-13 18:53:49
Local clock offset: -4.852 ms
Remote clock offset: -4.135 ms

Below is generated by plot.py at 2018-02-13 21:02:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 70.708 ms
Loss rate: 21.55%
-- Flow 1:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 69.805 ms
Loss rate: 16.99%
-- Flow 2:
Average throughput: 14.51 Mbit/s
95th percentile per-packet one-way delay: 71.410 ms
Loss rate: 36.74%
-- Flow 3:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 42.679 ms
Loss rate: 27.79%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-13 19:13:47

End at: 2018-02-13 19:14:17

Local clock offset: -4.385 ms

Remote clock offset: -4.31 ms

Below is generated by plot.py at 2018-02-13 21:03:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.89 Mbit/s

95th percentile per-packet one-way delay: 71.686 ms

Loss rate: 20.57%

-- Flow 1:

Average throughput: 71.36 Mbit/s

95th percentile per-packet one-way delay: 36.523 ms

Loss rate: 16.25%

-- Flow 2:

Average throughput: 15.42 Mbit/s

95th percentile per-packet one-way delay: 74.485 ms

Loss rate: 36.97%

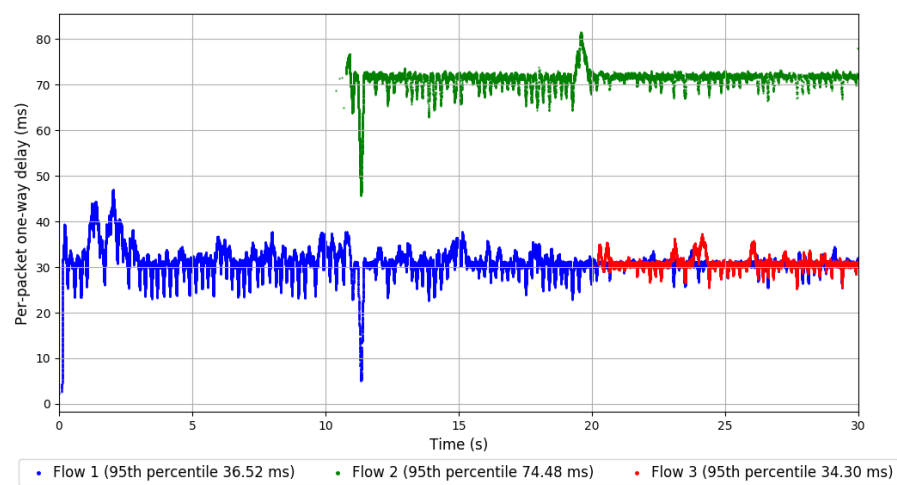
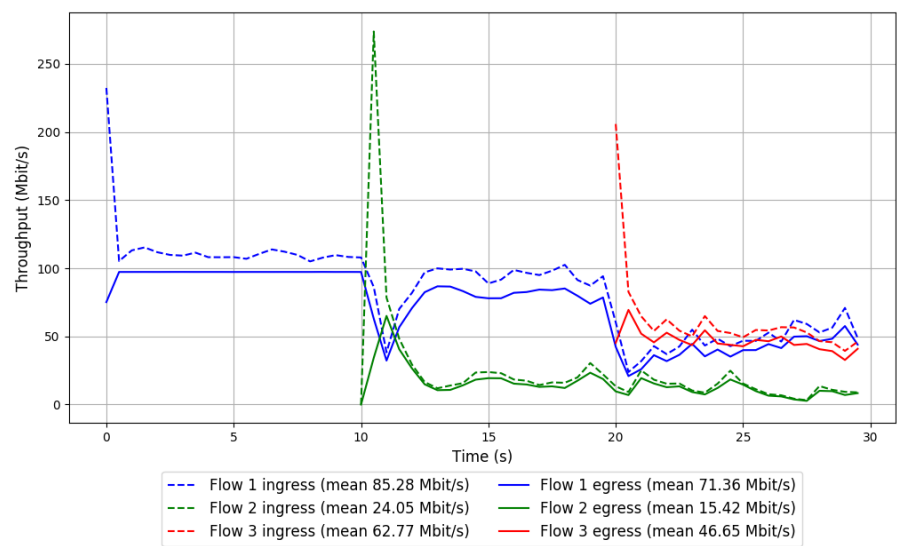
-- Flow 3:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 34.295 ms

Loss rate: 25.68%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-13 19:34:16

End at: 2018-02-13 19:34:46

Local clock offset: -4.501 ms

Remote clock offset: -3.69 ms

Below is generated by plot.py at 2018-02-13 21:03:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 35.870 ms

Loss rate: 20.60%

-- Flow 1:

Average throughput: 57.07 Mbit/s

95th percentile per-packet one-way delay: 36.685 ms

Loss rate: 17.09%

-- Flow 2:

Average throughput: 43.65 Mbit/s

95th percentile per-packet one-way delay: 31.995 ms

Loss rate: 22.73%

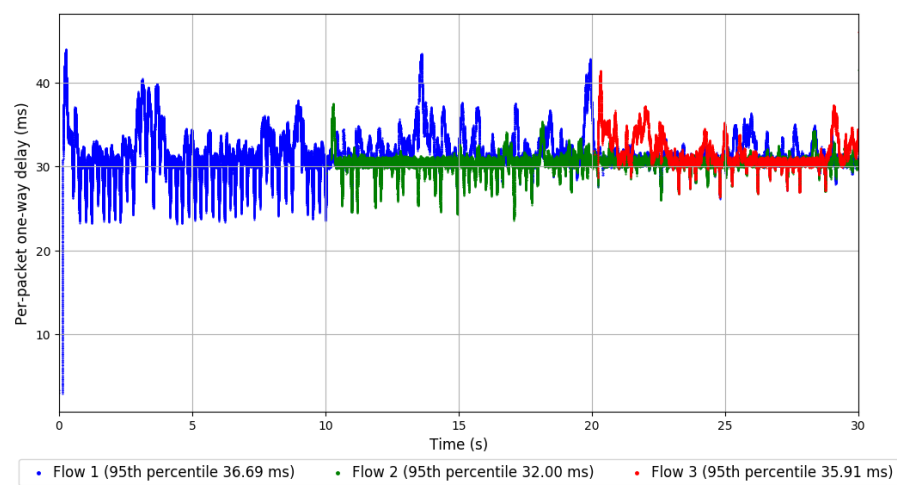
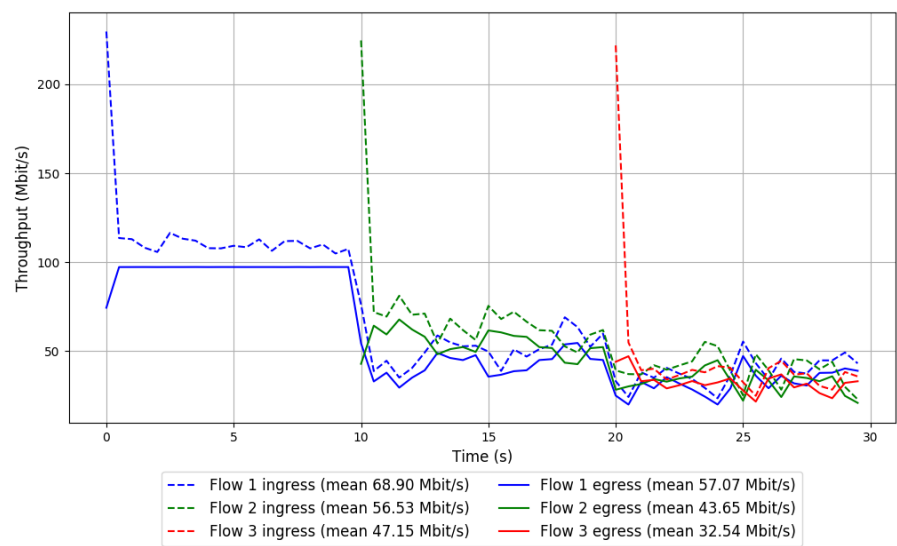
-- Flow 3:

Average throughput: 32.54 Mbit/s

95th percentile per-packet one-way delay: 35.913 ms

Loss rate: 30.92%

Run 8: Report of FillP — Data Link

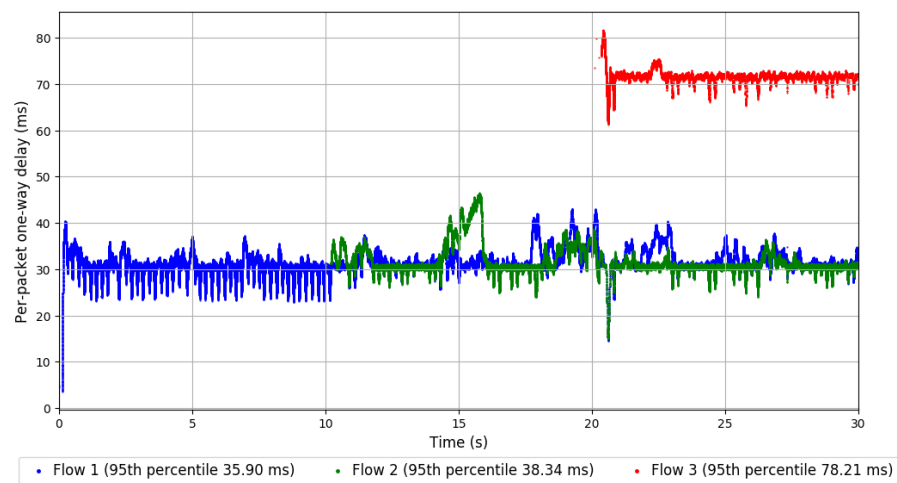
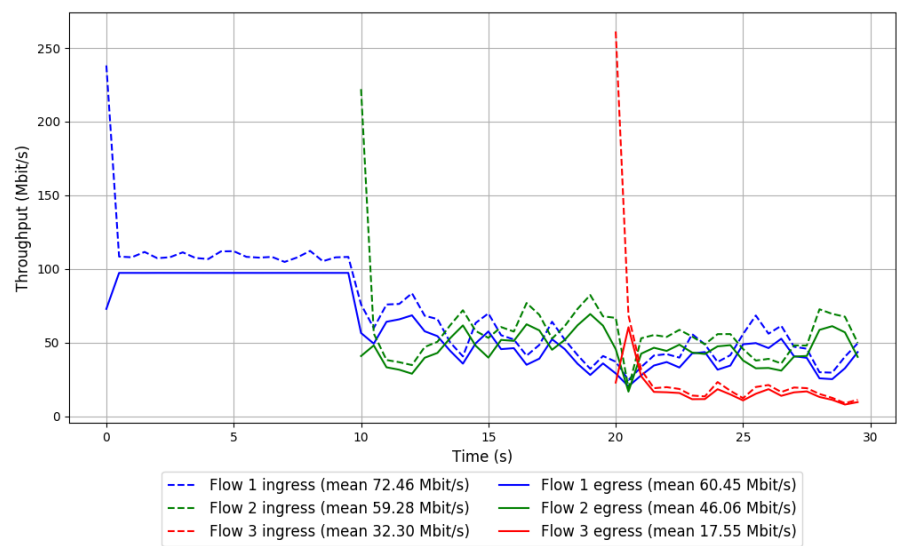


Run 9: Statistics of FillP

Start at: 2018-02-13 19:54:45
End at: 2018-02-13 19:55:15
Local clock offset: -5.412 ms
Remote clock offset: -3.368 ms

Below is generated by plot.py at 2018-02-13 21:03:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 70.788 ms
Loss rate: 20.93%
-- Flow 1:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 35.896 ms
Loss rate: 16.50%
-- Flow 2:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 38.341 ms
Loss rate: 22.29%
-- Flow 3:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 78.211 ms
Loss rate: 45.87%

Run 9: Report of FillP — Data Link

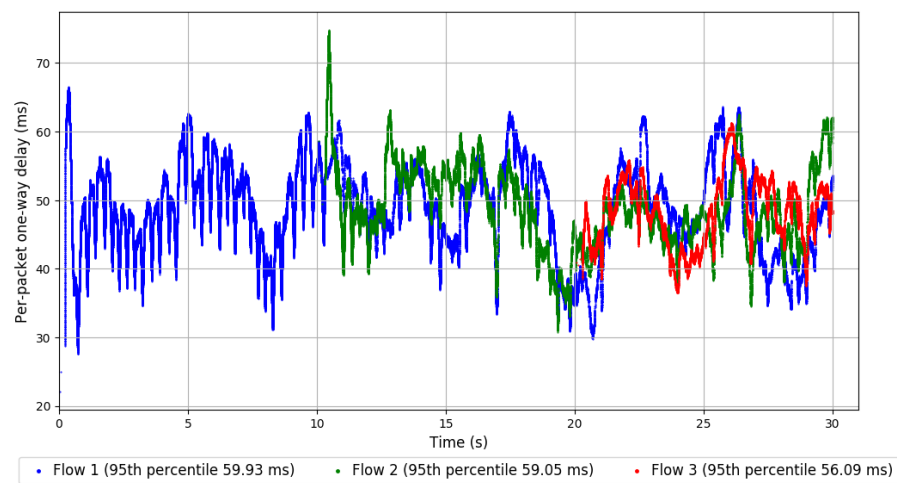
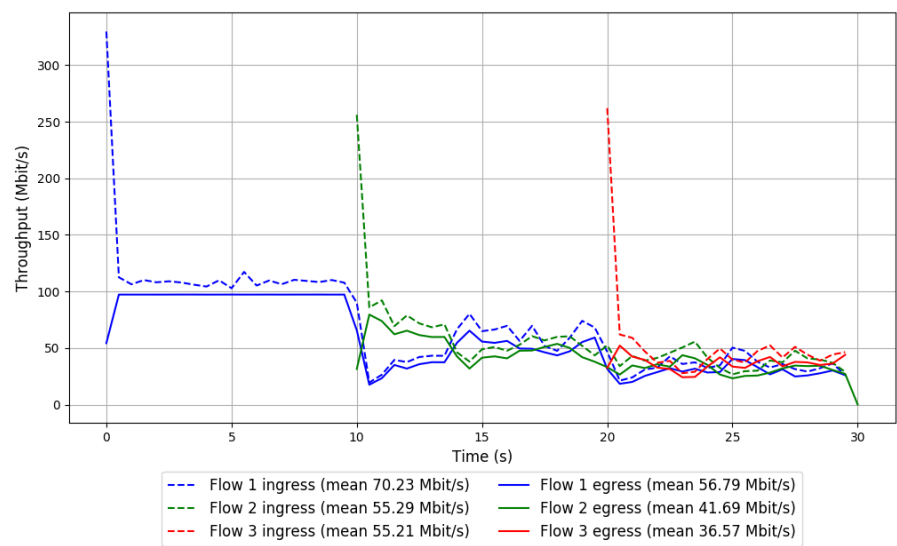


Run 10: Statistics of FillP

Start at: 2018-02-13 20:15:28
End at: 2018-02-13 20:15:58
Local clock offset: 12.38 ms
Remote clock offset: -5.361 ms

Below is generated by plot.py at 2018-02-13 21:03:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 59.341 ms
Loss rate: 22.83%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 59.931 ms
Loss rate: 19.06%
-- Flow 2:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 59.045 ms
Loss rate: 24.61%
-- Flow 3:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 56.087 ms
Loss rate: 33.71%

Run 10: Report of FillP — Data Link

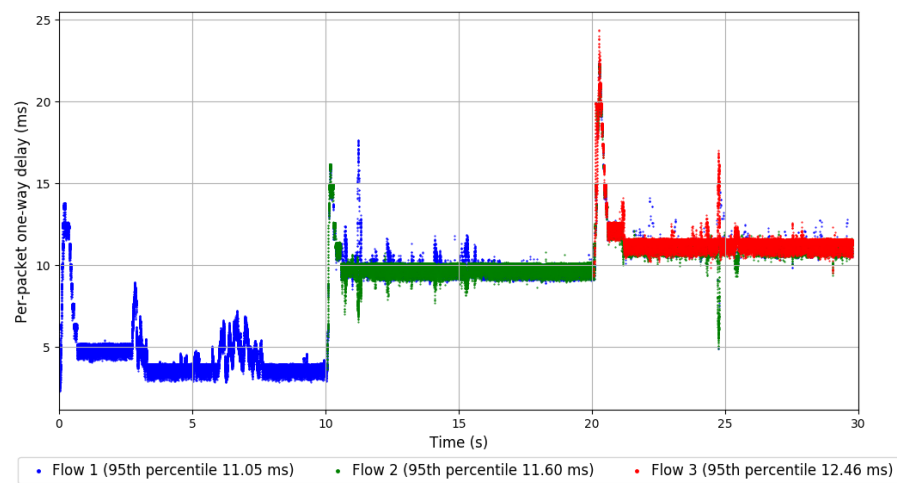
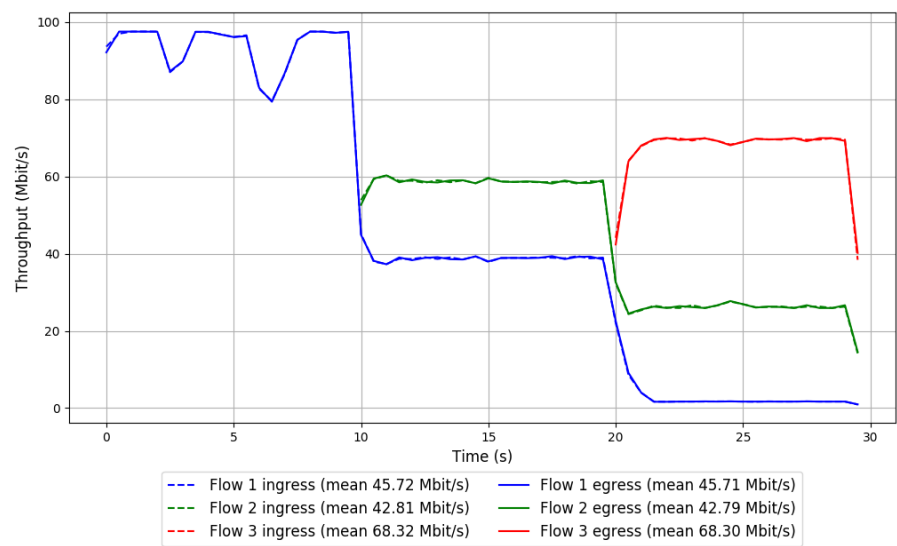


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-13 17:08:42
End at: 2018-02-13 17:09:12
Local clock offset: -5.054 ms
Remote clock offset: -5.183 ms

Below is generated by plot.py at 2018-02-13 21:03:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 12.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 11.054 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.79 Mbit/s
95th percentile per-packet one-way delay: 11.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.30 Mbit/s
95th percentile per-packet one-way delay: 12.458 ms
Loss rate: 0.00%

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

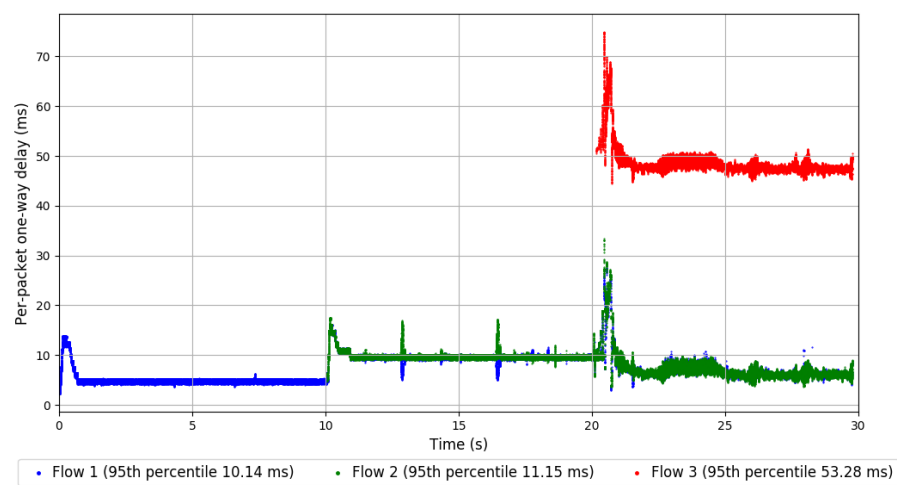
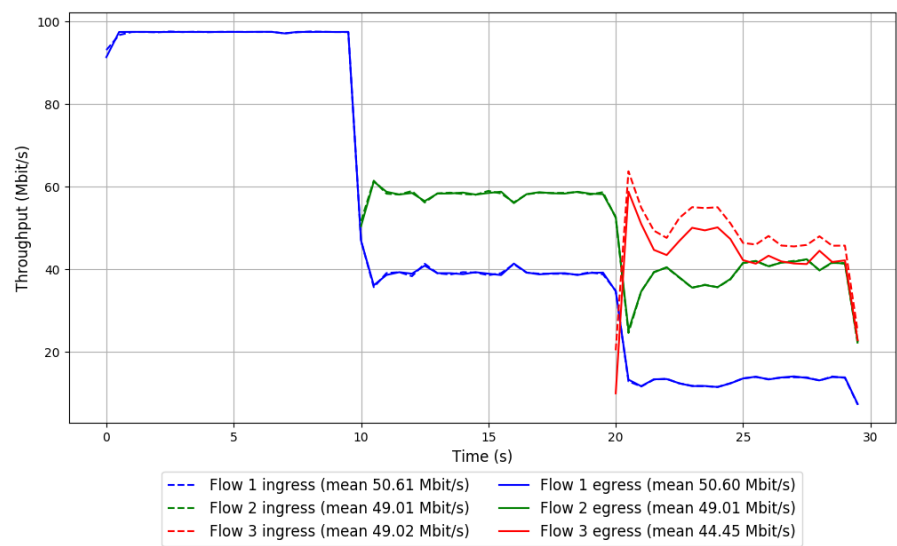


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-13 17:29:12
End at: 2018-02-13 17:29:42
Local clock offset: -3.967 ms
Remote clock offset: -4.538 ms

Below is generated by plot.py at 2018-02-13 21:04:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 48.346 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 50.60 Mbit/s
95th percentile per-packet one-way delay: 10.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 11.149 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 53.279 ms
Loss rate: 9.71%

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

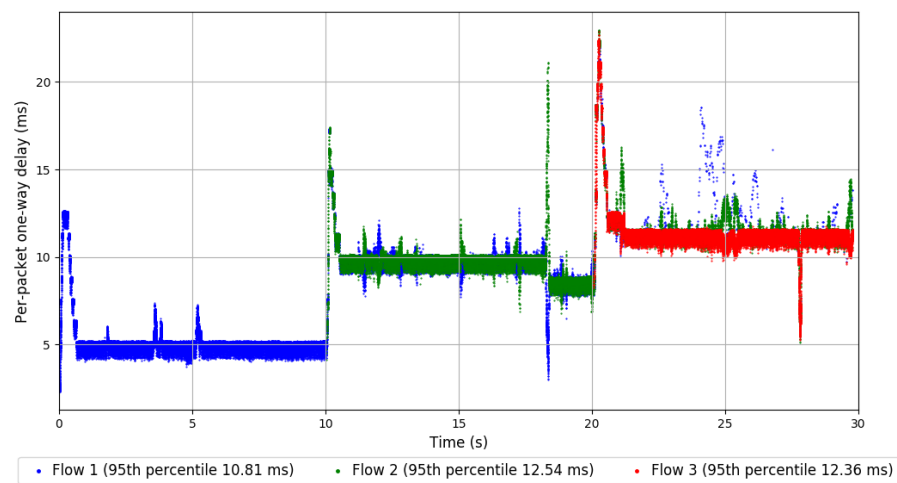
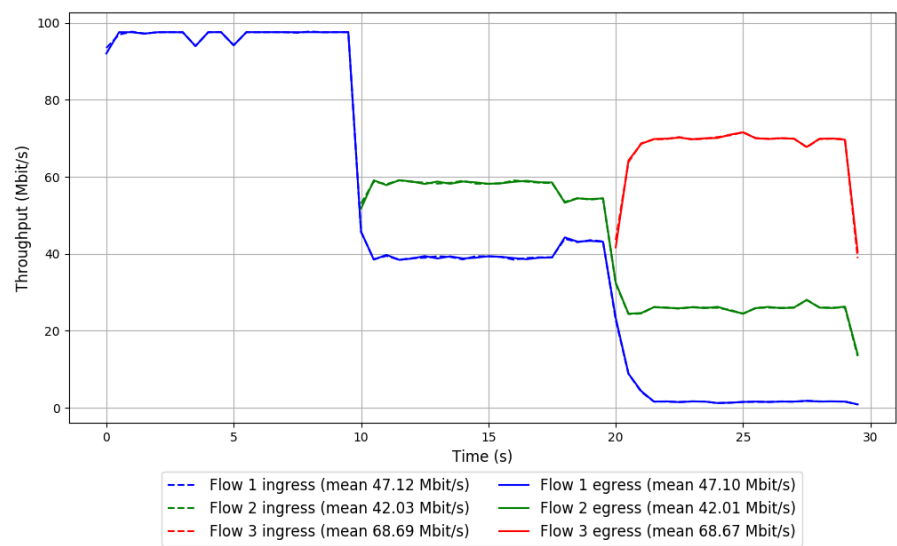


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-13 17:49:38
End at: 2018-02-13 17:50:08
Local clock offset: -3.351 ms
Remote clock offset: -4.357 ms

Below is generated by plot.py at 2018-02-13 21:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 12.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 10.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 12.540 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 12.356 ms
Loss rate: 0.00%

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

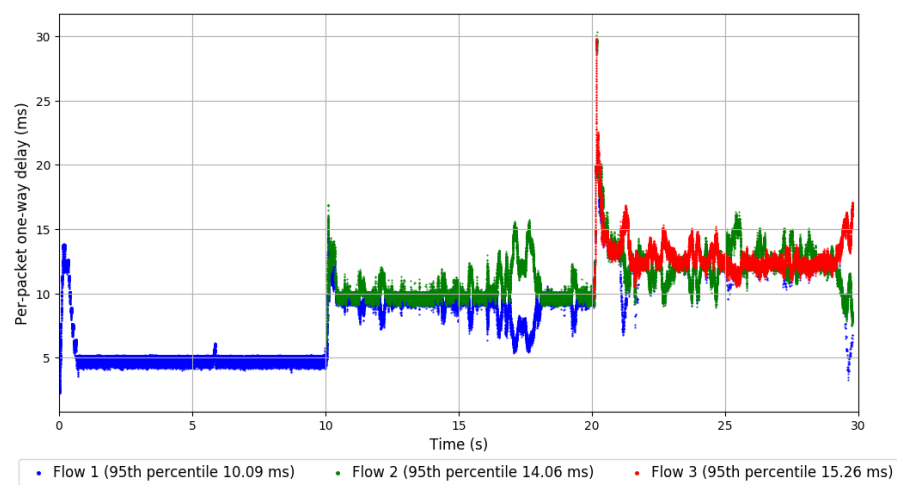
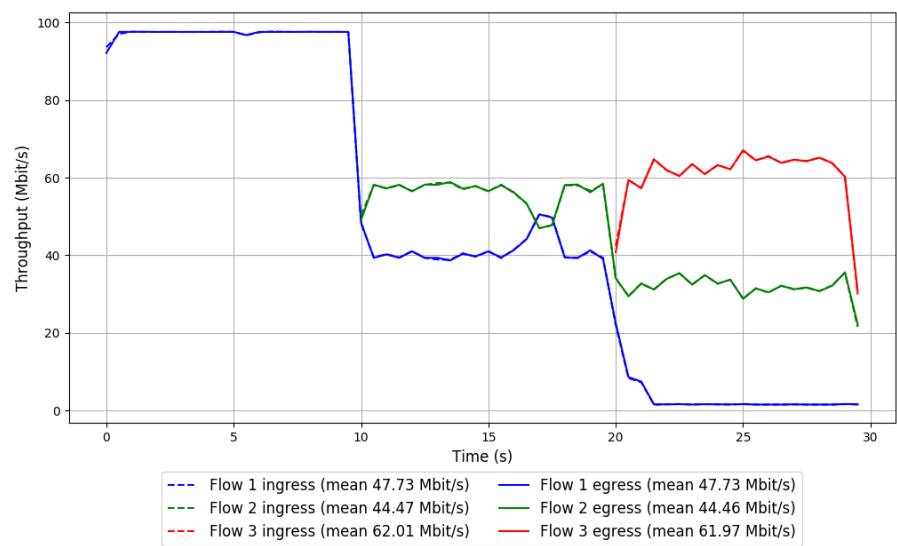


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-13 18:10:05
End at: 2018-02-13 18:10:35
Local clock offset: -3.96 ms
Remote clock offset: -4.226 ms

Below is generated by plot.py at 2018-02-13 21:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 13.827 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.73 Mbit/s
95th percentile per-packet one-way delay: 10.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 14.065 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 15.258 ms
Loss rate: 0.08%

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

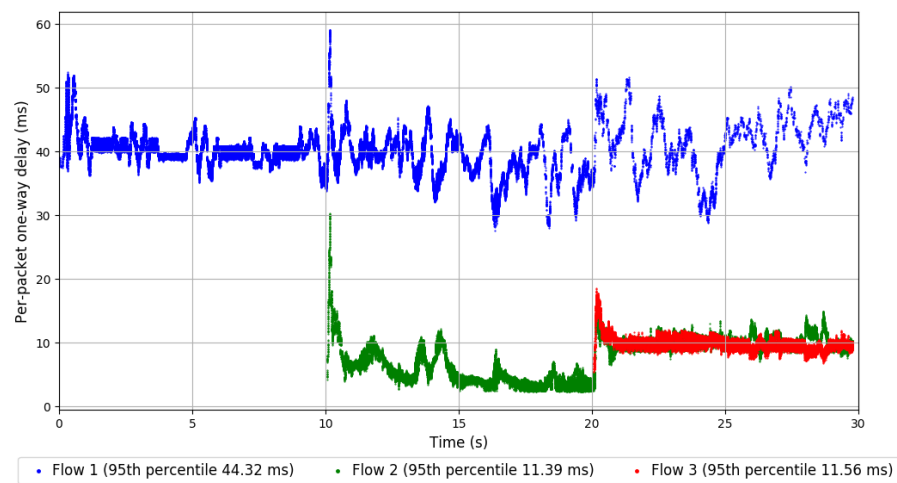
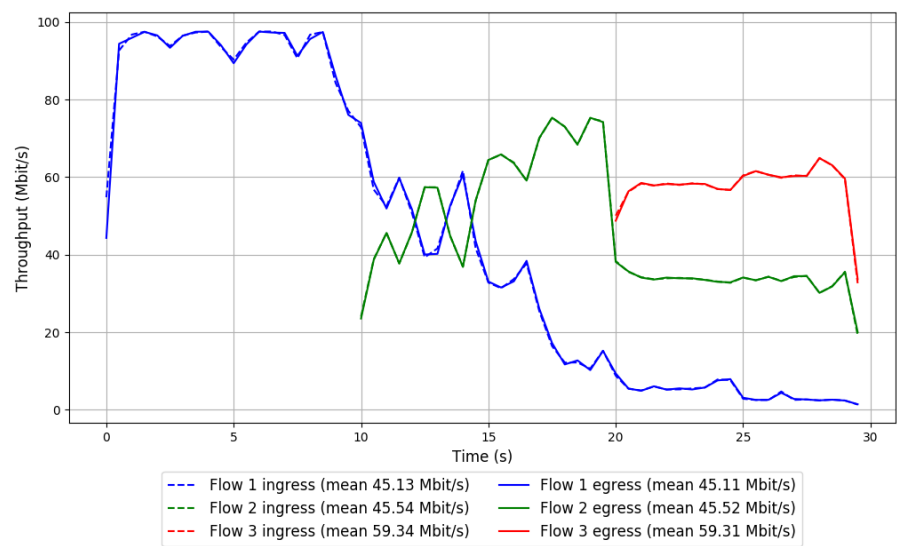


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-13 18:30:32
End at: 2018-02-13 18:31:02
Local clock offset: -4.43 ms
Remote clock offset: -4.121 ms

Below is generated by plot.py at 2018-02-13 21:04:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 42.972 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 44.320 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 45.52 Mbit/s
95th percentile per-packet one-way delay: 11.395 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 11.559 ms
Loss rate: 0.00%

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

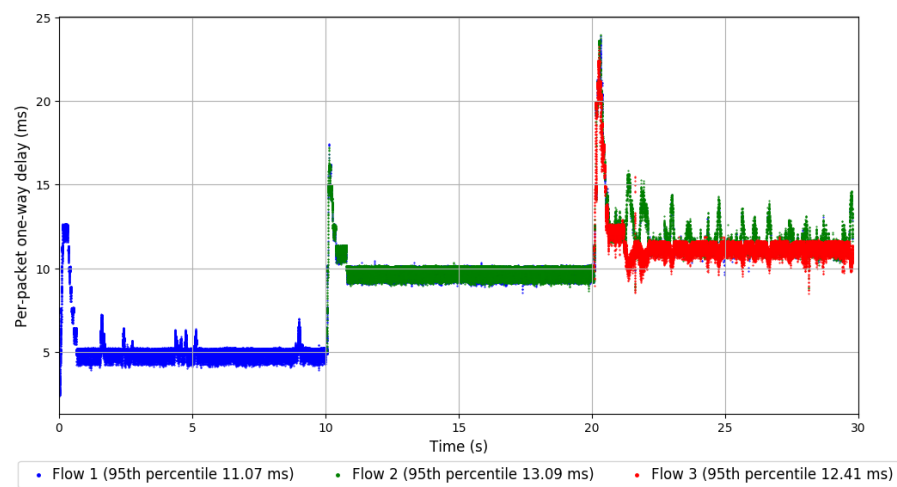
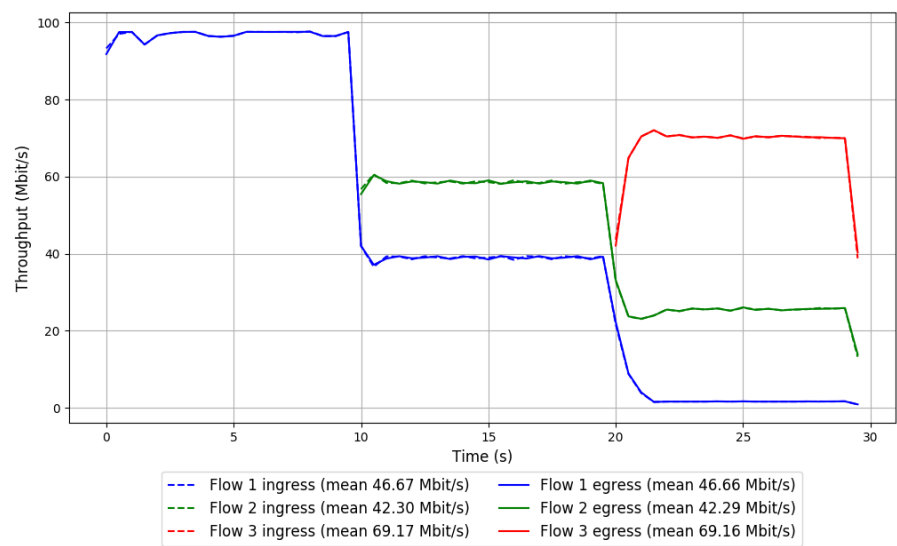


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-13 18:51:01
End at: 2018-02-13 18:51:31
Local clock offset: -4.836 ms
Remote clock offset: -4.077 ms

Below is generated by plot.py at 2018-02-13 21:04:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 12.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 11.071 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 13.091 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.16 Mbit/s
95th percentile per-packet one-way delay: 12.408 ms
Loss rate: 0.00%

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

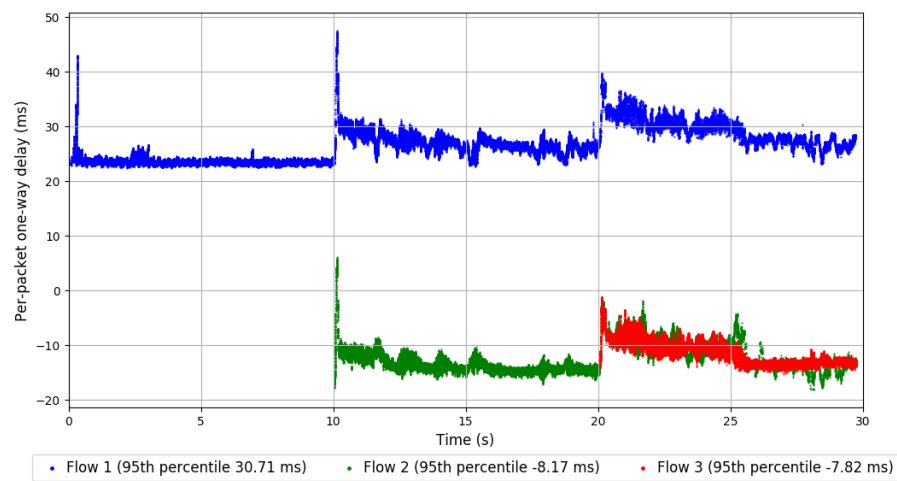
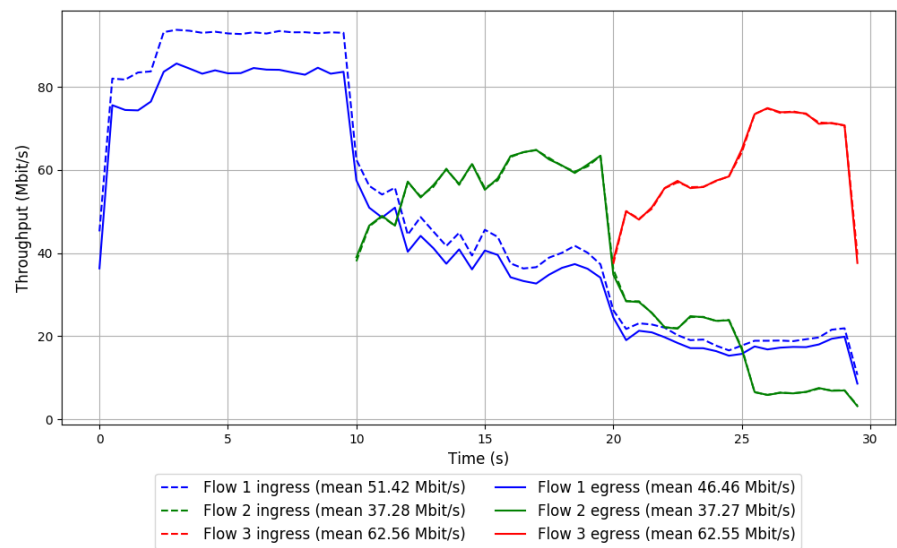


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-13 19:11:31
End at: 2018-02-13 19:12:01
Local clock offset: -4.401 ms
Remote clock offset: -24.861 ms

Below is generated by plot.py at 2018-02-13 21:04:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.53 Mbit/s
95th percentile per-packet one-way delay: 29.341 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 46.46 Mbit/s
95th percentile per-packet one-way delay: 30.710 ms
Loss rate: 9.78%
-- Flow 2:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: -8.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: -7.818 ms
Loss rate: 0.01%

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

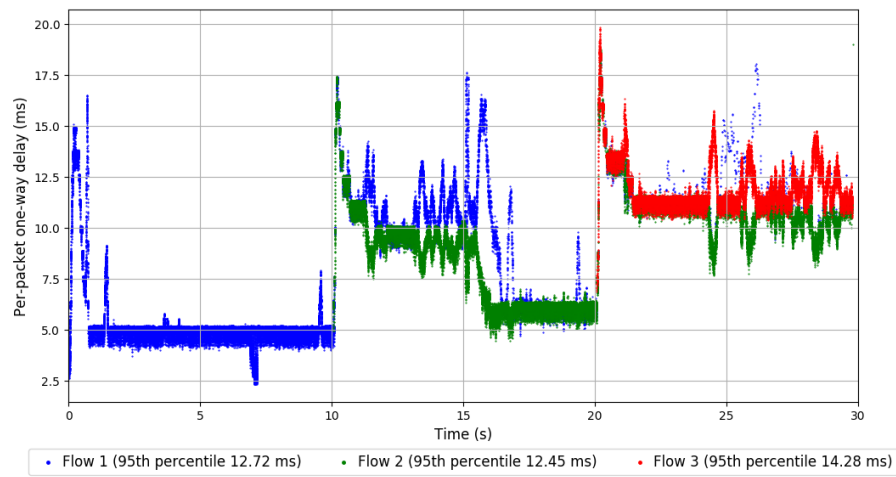
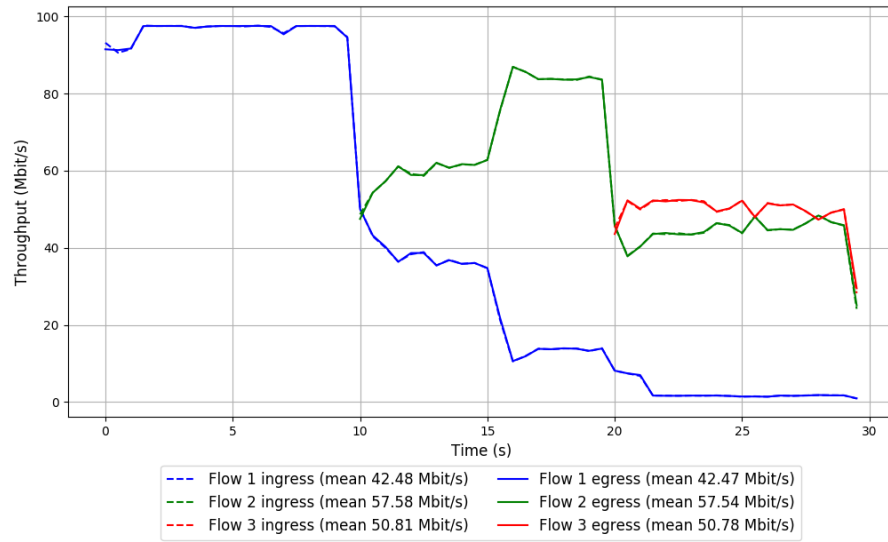


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-13 19:31:58
End at: 2018-02-13 19:32:28
Local clock offset: -4.219 ms
Remote clock offset: -3.789 ms

Below is generated by plot.py at 2018-02-13 21:05:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 13.525 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.47 Mbit/s
95th percentile per-packet one-way delay: 12.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 12.451 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 14.280 ms
Loss rate: 0.00%

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

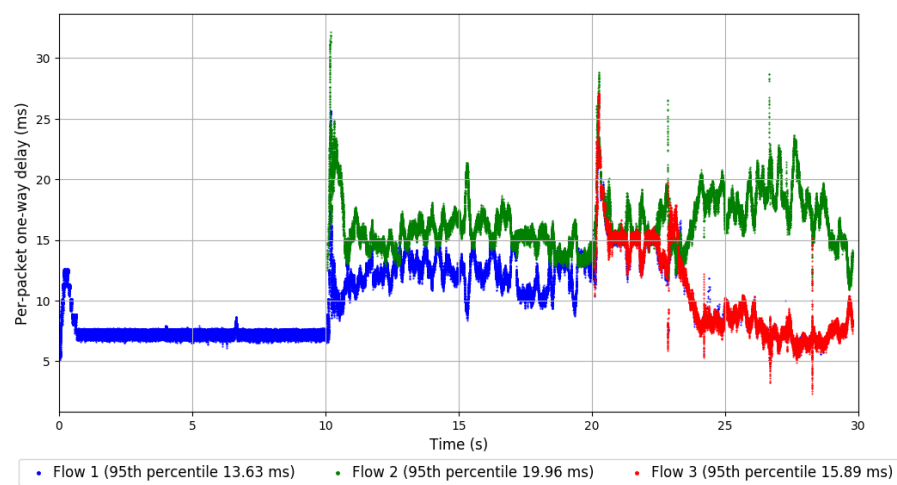
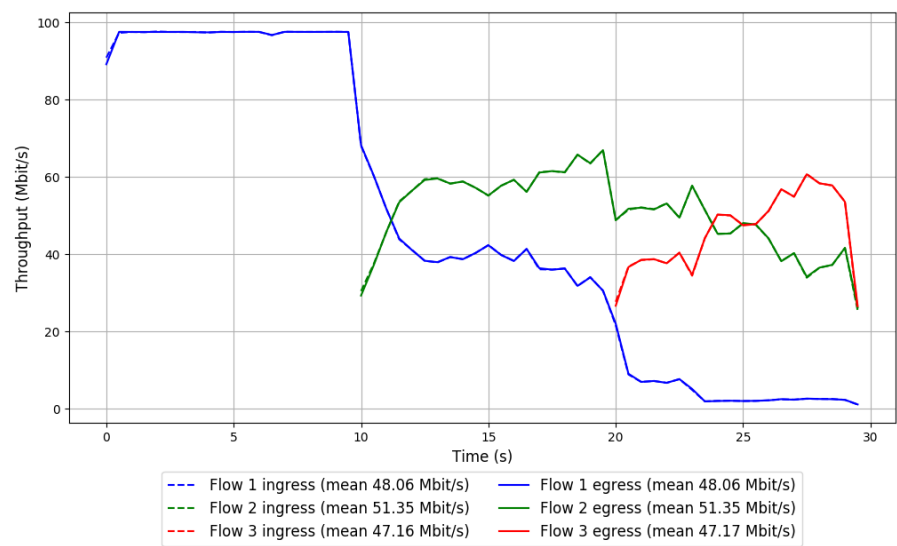


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-13 19:52:27
End at: 2018-02-13 19:52:57
Local clock offset: -5.438 ms
Remote clock offset: -3.385 ms

Below is generated by plot.py at 2018-02-13 21:05:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 18.485 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 13.635 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.35 Mbit/s
95th percentile per-packet one-way delay: 19.958 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 15.888 ms
Loss rate: 0.00%

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

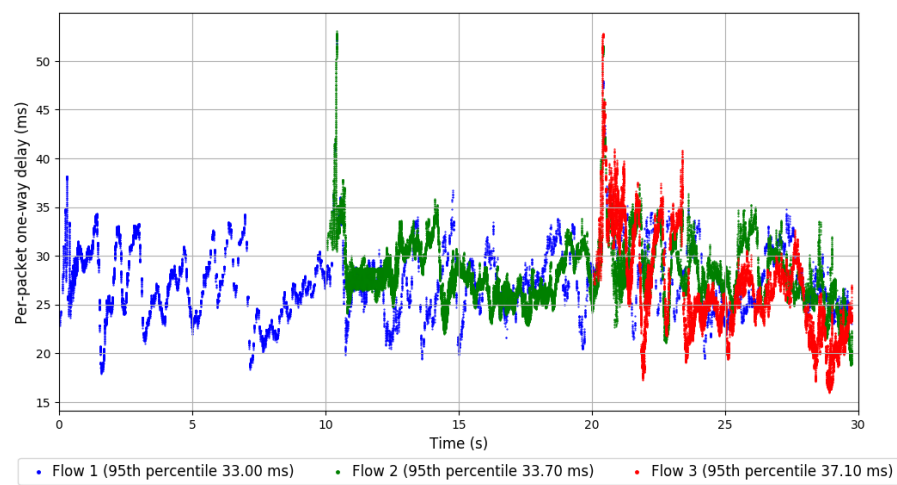
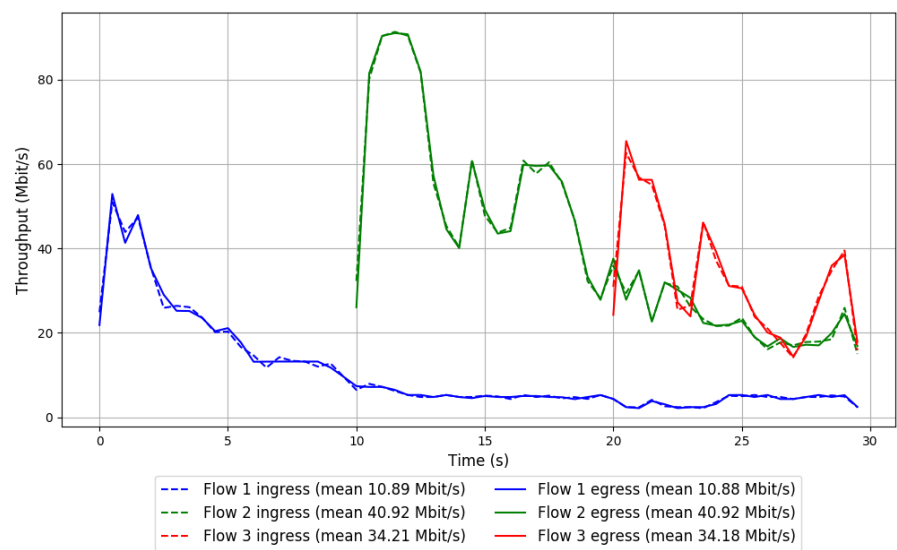


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-13 20:13:10
End at: 2018-02-13 20:13:40
Local clock offset: 13.816 ms
Remote clock offset: -5.176 ms

Below is generated by plot.py at 2018-02-13 21:05:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 34.376 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 33.004 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 33.704 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 37.099 ms
Loss rate: 0.13%

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

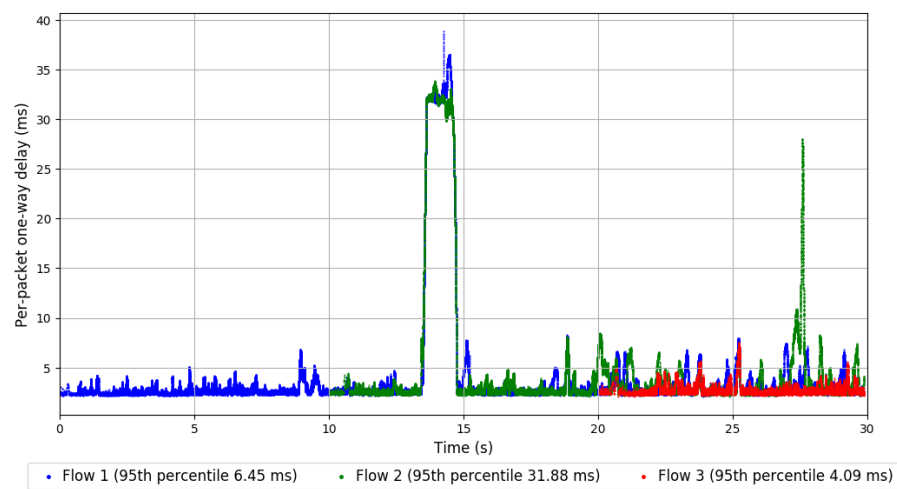
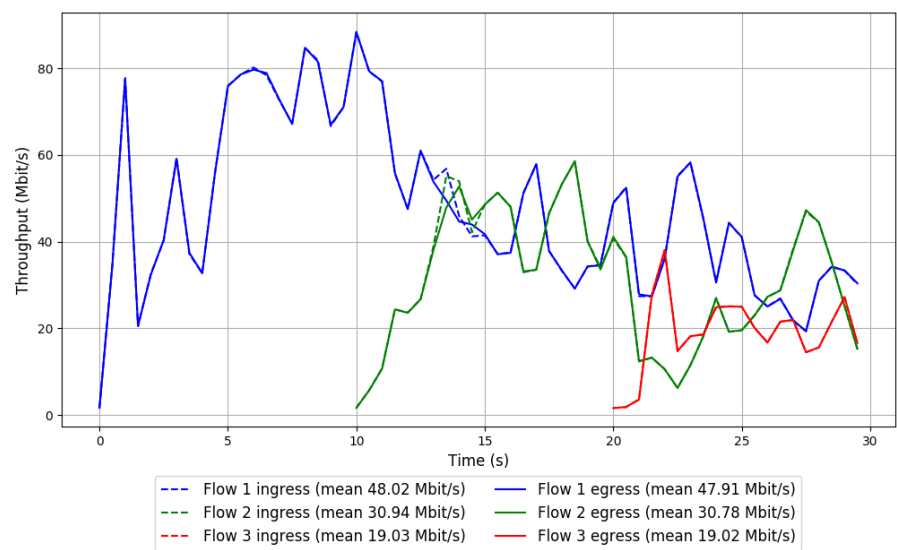


Run 1: Statistics of Vivace-latency

Start at: 2018-02-13 17:09:51
End at: 2018-02-13 17:10:21
Local clock offset: -5.014 ms
Remote clock offset: -5.104 ms

Below is generated by plot.py at 2018-02-13 21:05:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.66 Mbit/s
95th percentile per-packet one-way delay: 18.376 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 47.91 Mbit/s
95th percentile per-packet one-way delay: 6.447 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 31.878 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 19.02 Mbit/s
95th percentile per-packet one-way delay: 4.094 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

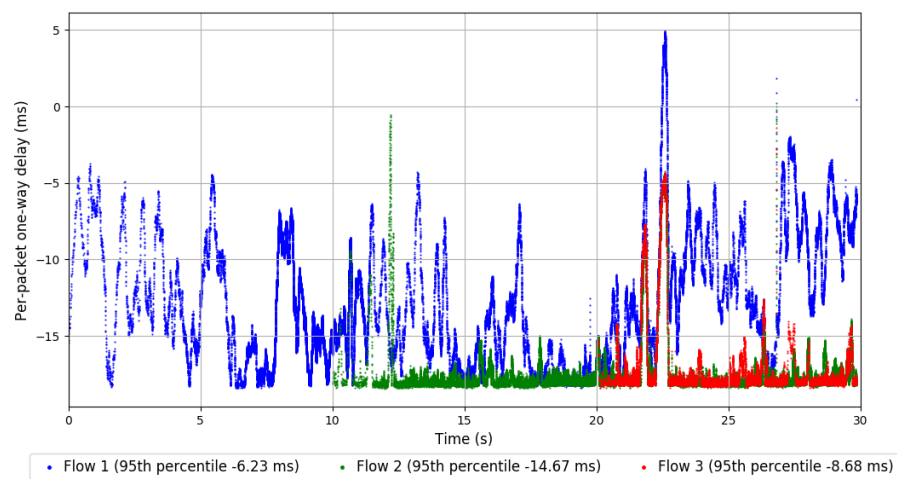
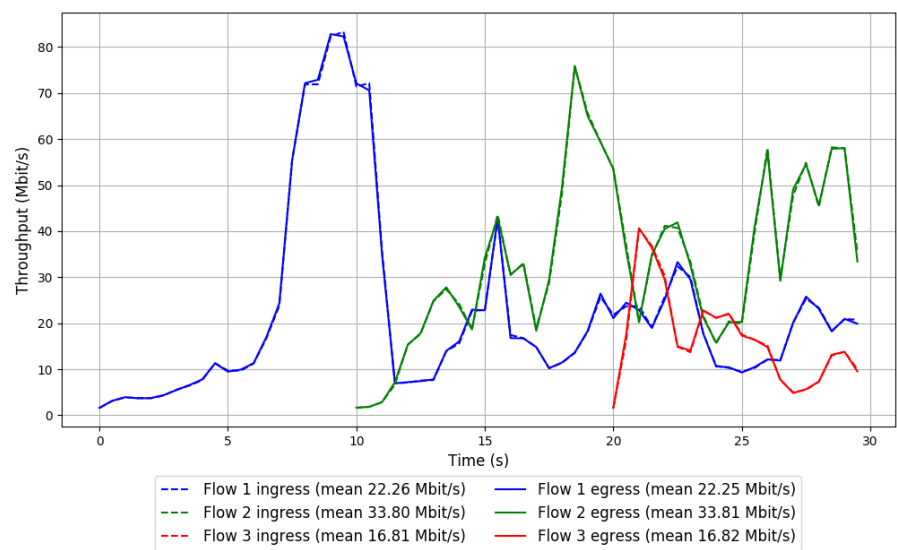


Run 2: Statistics of Vivace-latency

Start at: 2018-02-13 17:30:22
End at: 2018-02-13 17:30:52
Local clock offset: -3.929 ms
Remote clock offset: -25.082 ms

Below is generated by plot.py at 2018-02-13 21:05:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: -7.401 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: -6.227 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 33.81 Mbit/s
95th percentile per-packet one-way delay: -14.666 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.82 Mbit/s
95th percentile per-packet one-way delay: -8.684 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

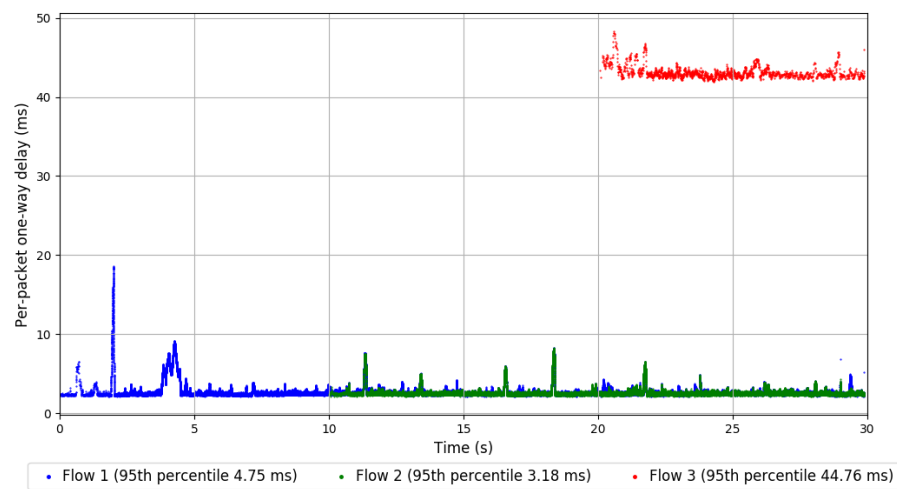
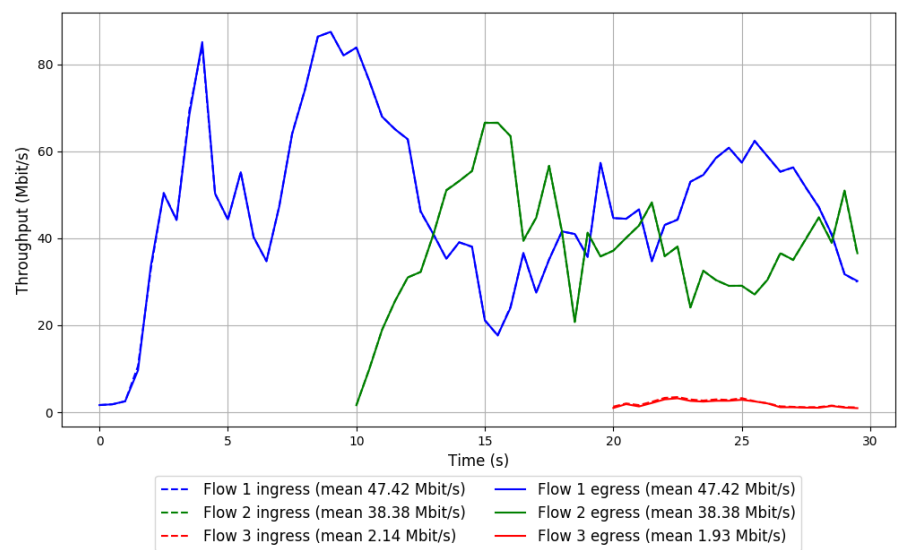


Run 3: Statistics of Vivace-latency

Start at: 2018-02-13 17:50:47
End at: 2018-02-13 17:51:17
Local clock offset: -3.436 ms
Remote clock offset: -4.341 ms

Below is generated by plot.py at 2018-02-13 21:05:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.56 Mbit/s
95th percentile per-packet one-way delay: 4.711 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 4.753 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.38 Mbit/s
95th percentile per-packet one-way delay: 3.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 44.758 ms
Loss rate: 9.85%

Run 3: Report of Vivace-latency — Data Link

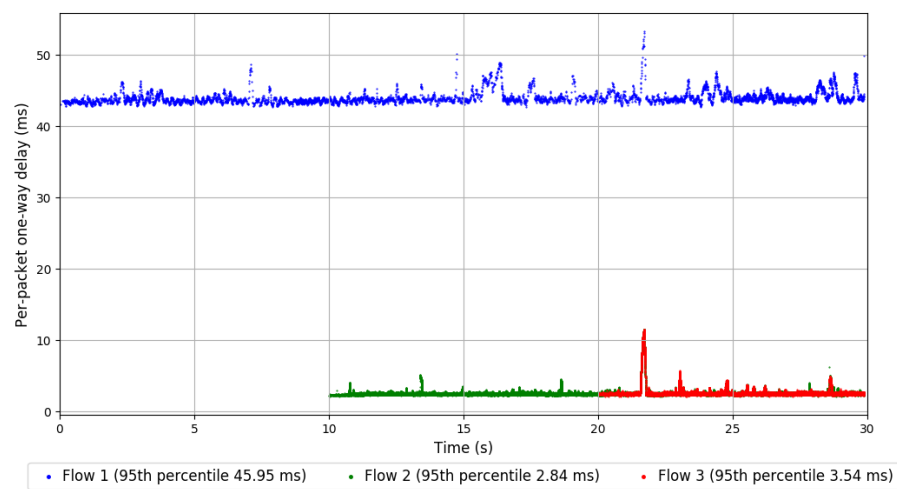
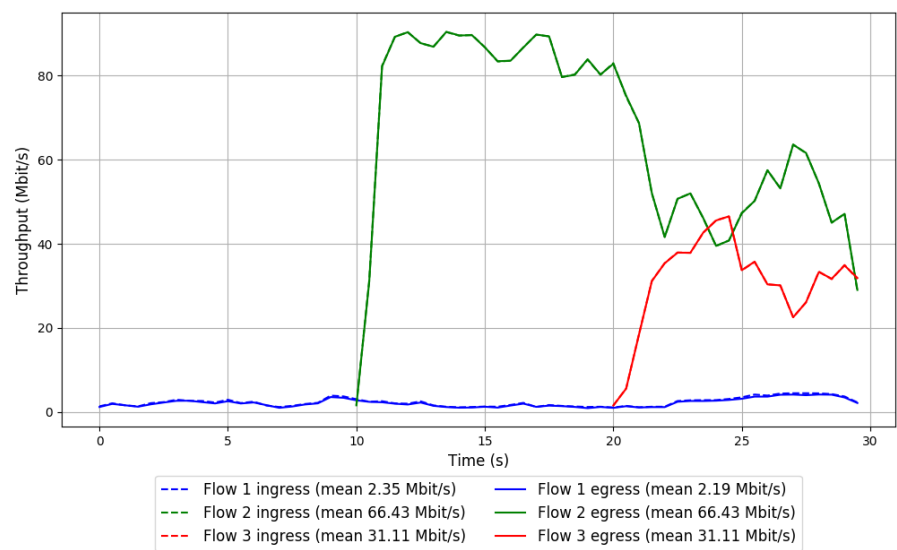


Run 4: Statistics of Vivace-latency

Start at: 2018-02-13 18:11:14
End at: 2018-02-13 18:11:44
Local clock offset: -3.971 ms
Remote clock offset: -4.207 ms

Below is generated by plot.py at 2018-02-13 21:05:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 8.659 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 45.947 ms
Loss rate: 7.24%
-- Flow 2:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 2.842 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 3.542 ms
Loss rate: 0.00%

Run 4: Report of Vivace-latency — Data Link

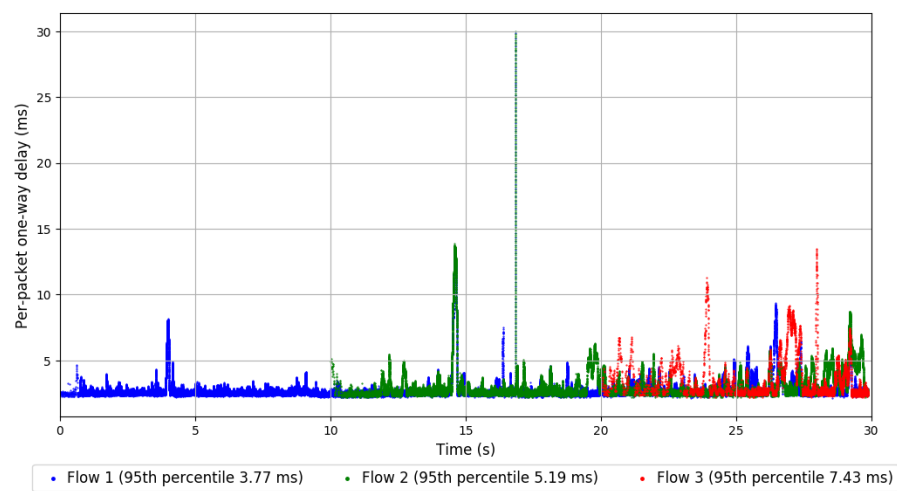
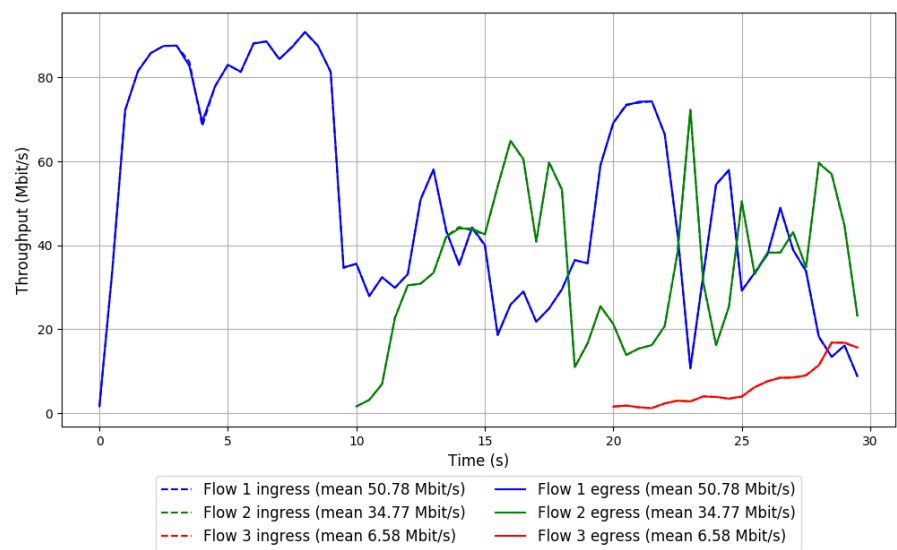


Run 5: Statistics of Vivace-latency

Start at: 2018-02-13 18:31:41
End at: 2018-02-13 18:32:11
Local clock offset: -4.462 ms
Remote clock offset: -4.107 ms

Below is generated by plot.py at 2018-02-13 21:06:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.06 Mbit/s
95th percentile per-packet one-way delay: 4.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 3.771 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 5.191 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.58 Mbit/s
95th percentile per-packet one-way delay: 7.430 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

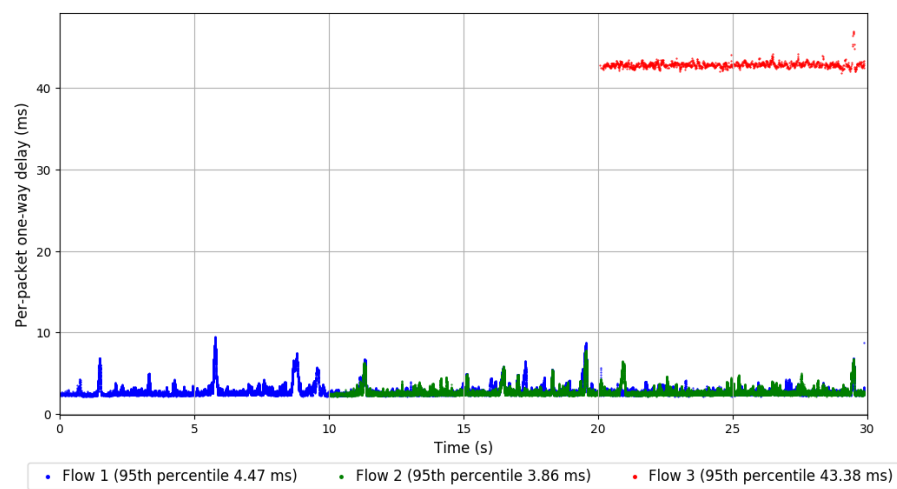
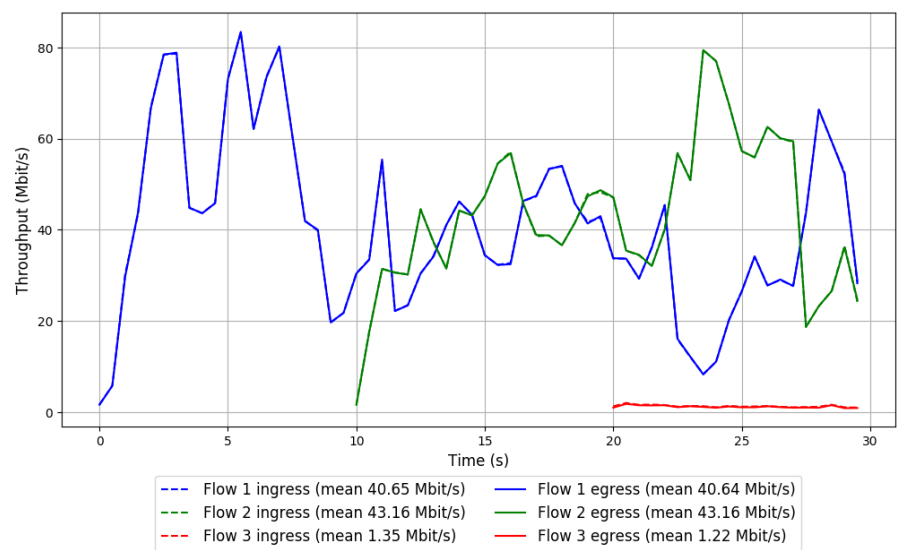


Run 6: Statistics of Vivace-latency

Start at: 2018-02-13 18:52:11
End at: 2018-02-13 18:52:41
Local clock offset: -4.758 ms
Remote clock offset: -4.041 ms

Below is generated by plot.py at 2018-02-13 21:06:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.73 Mbit/s
95th percentile per-packet one-way delay: 4.441 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 4.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 3.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 43.381 ms
Loss rate: 9.95%

Run 6: Report of Vivace-latency — Data Link

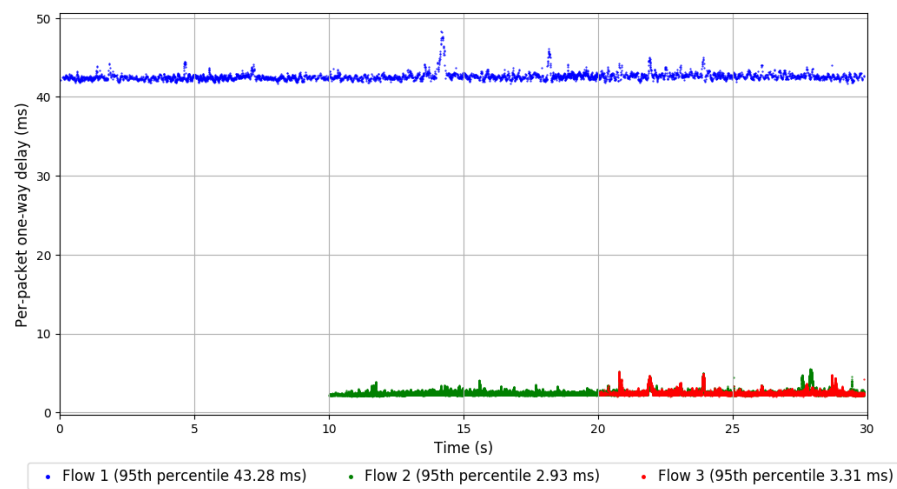
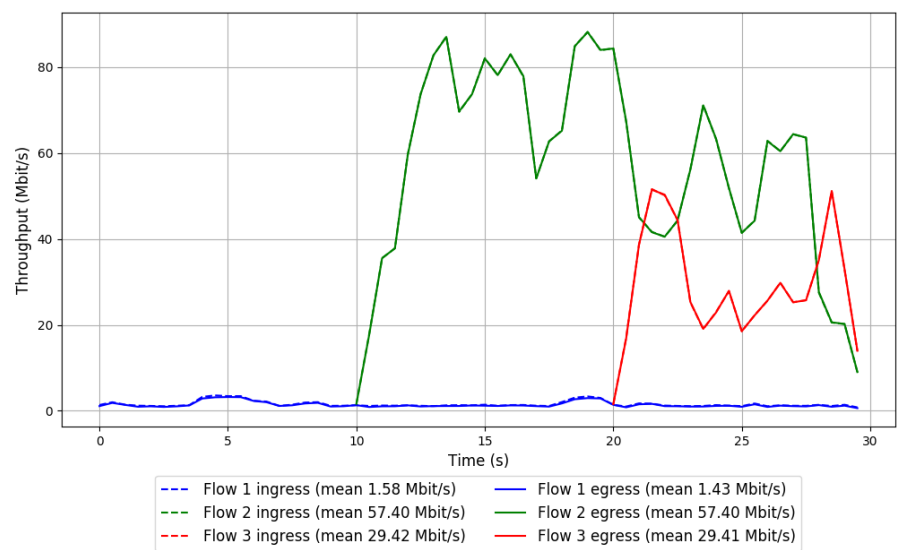


Run 7: Statistics of Vivace-latency

Start at: 2018-02-13 19:12:40
End at: 2018-02-13 19:13:10
Local clock offset: -4.4 ms
Remote clock offset: -4.365 ms

Below is generated by plot.py at 2018-02-13 21:06:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 4.066 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 43.282 ms
Loss rate: 9.67%
-- Flow 2:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 2.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 3.306 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

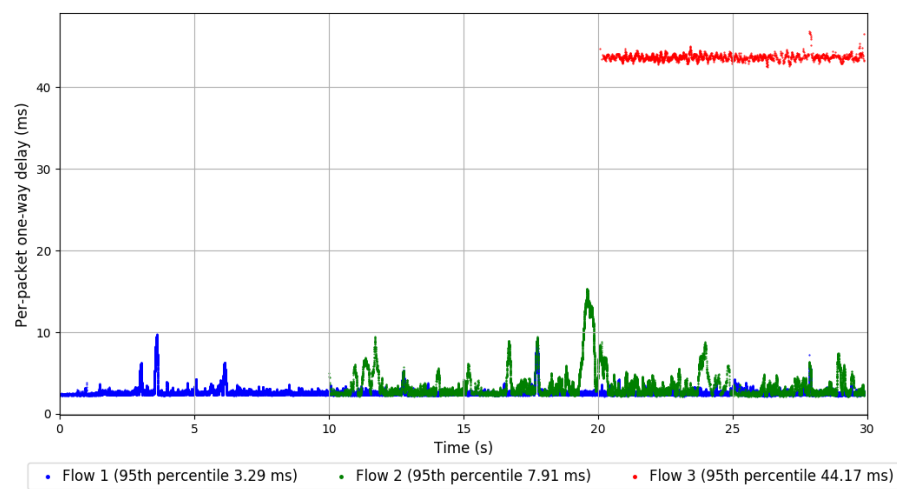
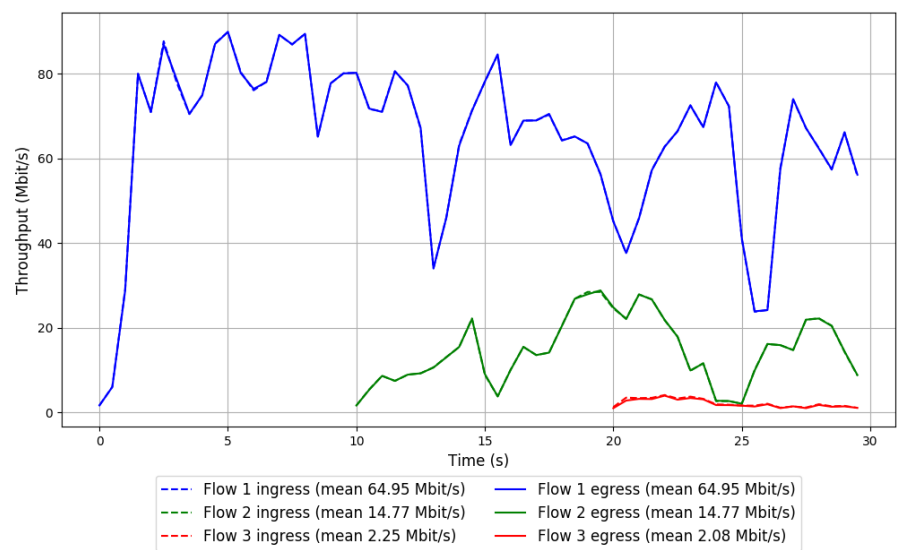


Run 8: Statistics of Vivace-latency

Start at: 2018-02-13 19:33:08
End at: 2018-02-13 19:33:38
Local clock offset: -4.346 ms
Remote clock offset: -3.741 ms

Below is generated by plot.py at 2018-02-13 21:06:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 4.771 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 3.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.77 Mbit/s
95th percentile per-packet one-way delay: 7.905 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 44.169 ms
Loss rate: 7.89%

Run 8: Report of Vivace-latency — Data Link

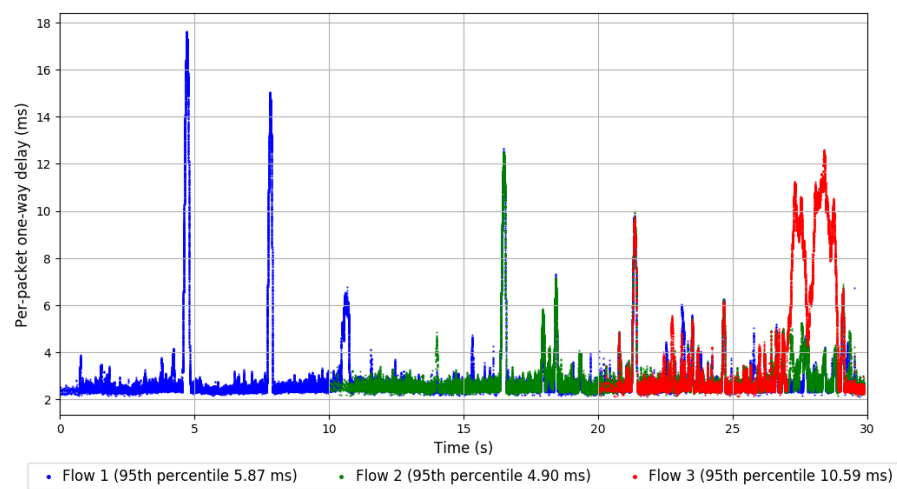
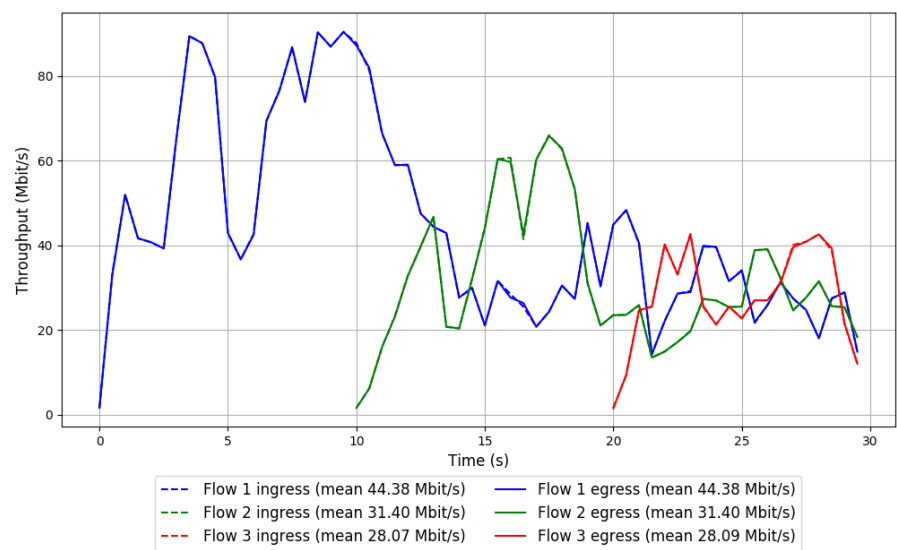


Run 9: Statistics of Vivace-latency

Start at: 2018-02-13 19:53:36
End at: 2018-02-13 19:54:06
Local clock offset: -5.408 ms
Remote clock offset: -3.349 ms

Below is generated by plot.py at 2018-02-13 21:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.52 Mbit/s
95th percentile per-packet one-way delay: 7.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 5.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 4.899 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.09 Mbit/s
95th percentile per-packet one-way delay: 10.589 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link

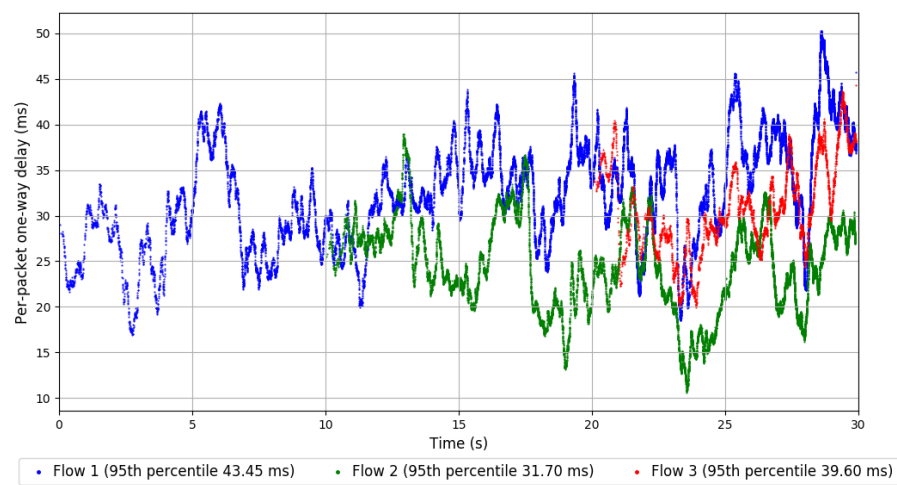
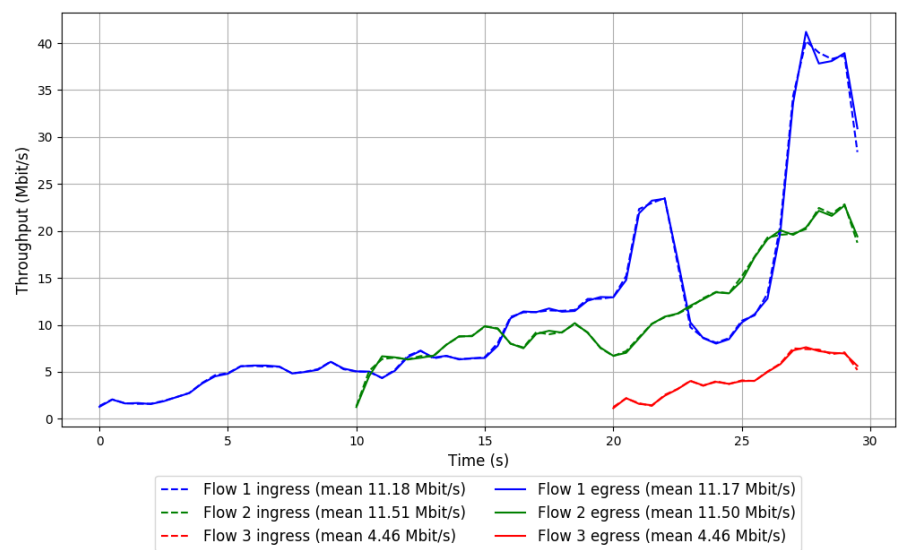


Run 10: Statistics of Vivace-latency

Start at: 2018-02-13 20:14:20
End at: 2018-02-13 20:14:50
Local clock offset: 10.176 ms
Remote clock offset: -5.226 ms

Below is generated by plot.py at 2018-02-13 21:06:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.28 Mbit/s
95th percentile per-packet one-way delay: 41.984 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 11.17 Mbit/s
95th percentile per-packet one-way delay: 43.454 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 31.696 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 39.605 ms
Loss rate: 0.13%

Run 10: Report of Vivace-latency — Data Link

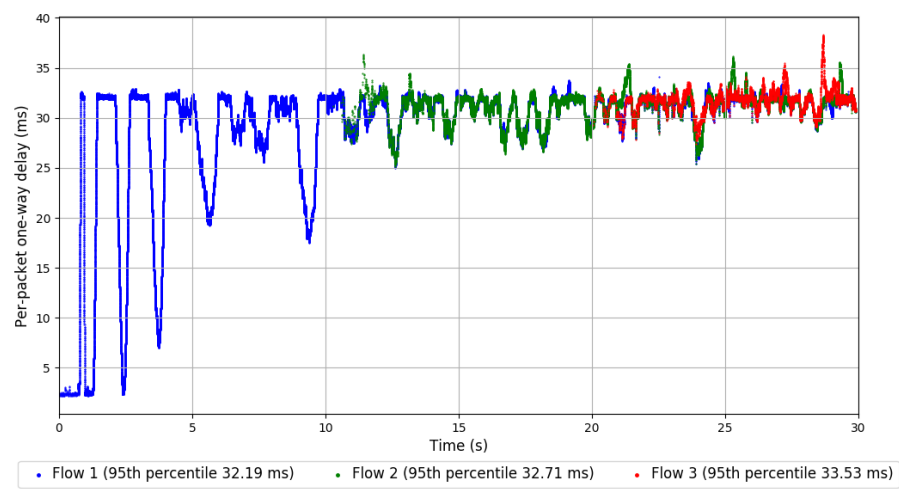
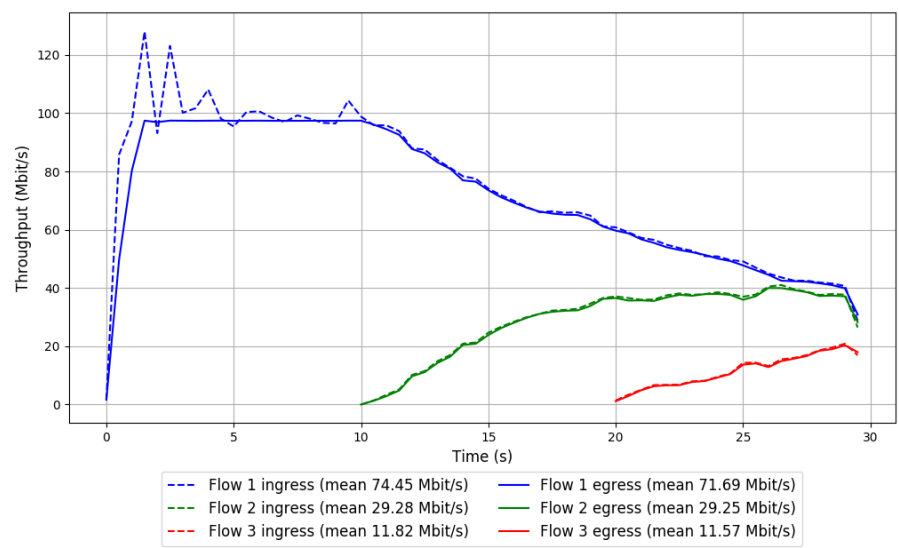


Run 1: Statistics of Vivace-loss

Start at: 2018-02-13 17:06:25
End at: 2018-02-13 17:06:55
Local clock offset: -5.028 ms
Remote clock offset: -5.238 ms

Below is generated by plot.py at 2018-02-13 21:07:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 32.296 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 71.69 Mbit/s
95th percentile per-packet one-way delay: 32.186 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 32.709 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 33.527 ms
Loss rate: 2.15%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-13 17:26:56

End at: 2018-02-13 17:27:26

Local clock offset: -4.113 ms

Remote clock offset: -4.64 ms

Below is generated by plot.py at 2018-02-13 21:07:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.89 Mbit/s

95th percentile per-packet one-way delay: 39.320 ms

Loss rate: 3.52%

-- Flow 1:

Average throughput: 69.41 Mbit/s

95th percentile per-packet one-way delay: 40.104 ms

Loss rate: 3.87%

-- Flow 2:

Average throughput: 30.11 Mbit/s

95th percentile per-packet one-way delay: 32.103 ms

Loss rate: 2.60%

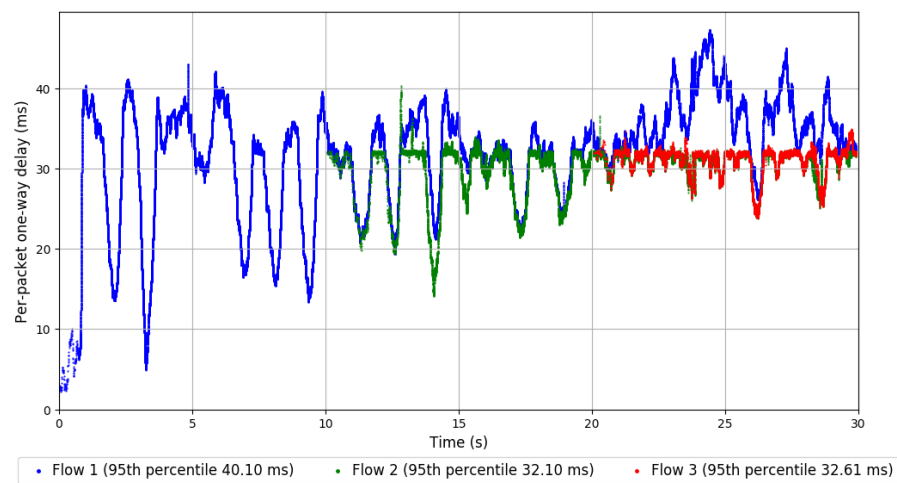
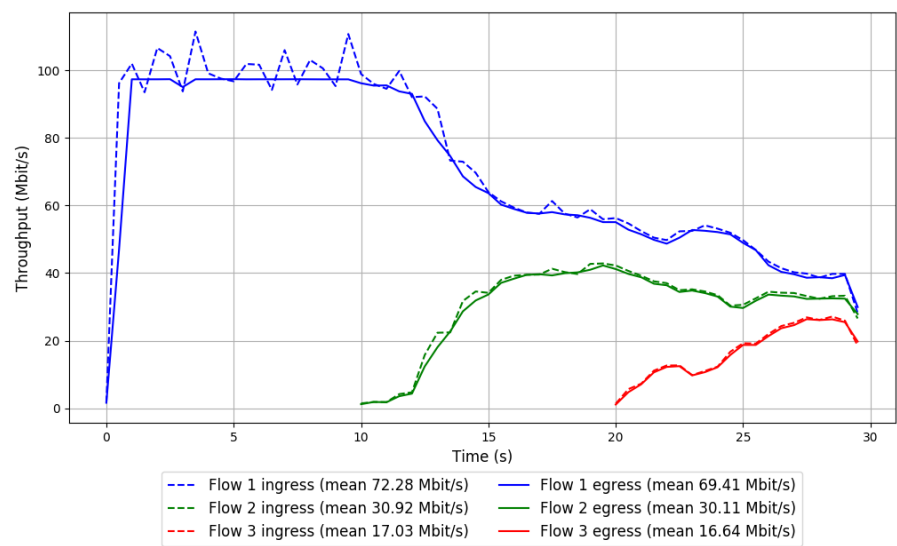
-- Flow 3:

Average throughput: 16.64 Mbit/s

95th percentile per-packet one-way delay: 32.611 ms

Loss rate: 2.25%

Run 2: Report of Vivace-loss — Data Link

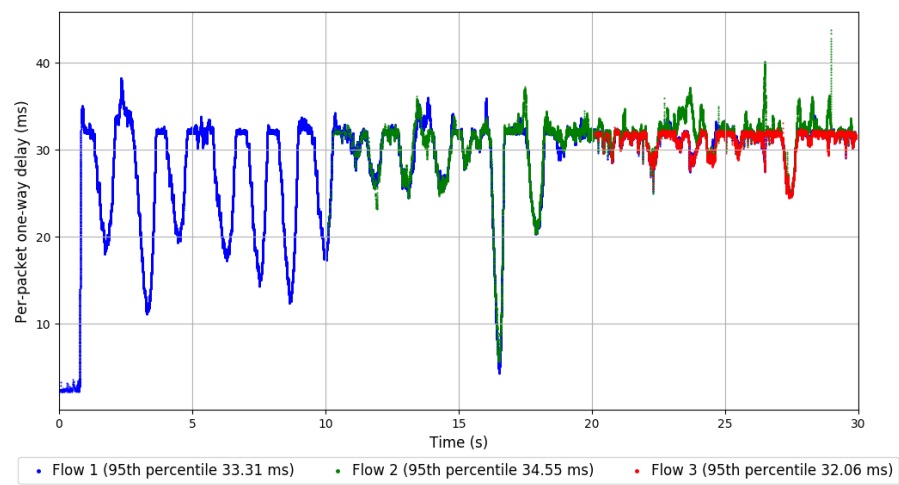
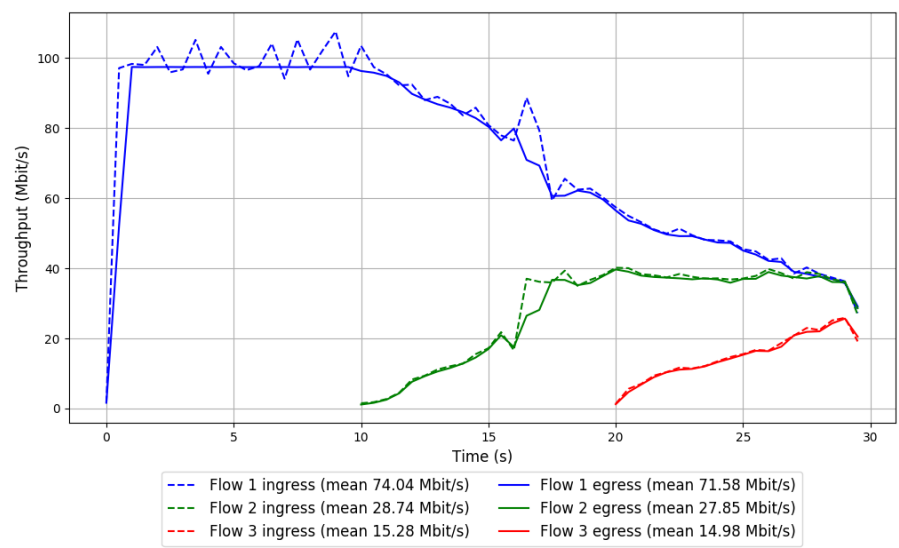


Run 3: Statistics of Vivace-loss

Start at: 2018-02-13 17:47:21
End at: 2018-02-13 17:47:51
Local clock offset: -3.383 ms
Remote clock offset: -4.381 ms

Below is generated by plot.py at 2018-02-13 21:07:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 33.580 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 71.58 Mbit/s
95th percentile per-packet one-way delay: 33.310 ms
Loss rate: 3.23%
-- Flow 2:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 34.555 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 32.062 ms
Loss rate: 1.97%

Run 3: Report of Vivace-loss — Data Link

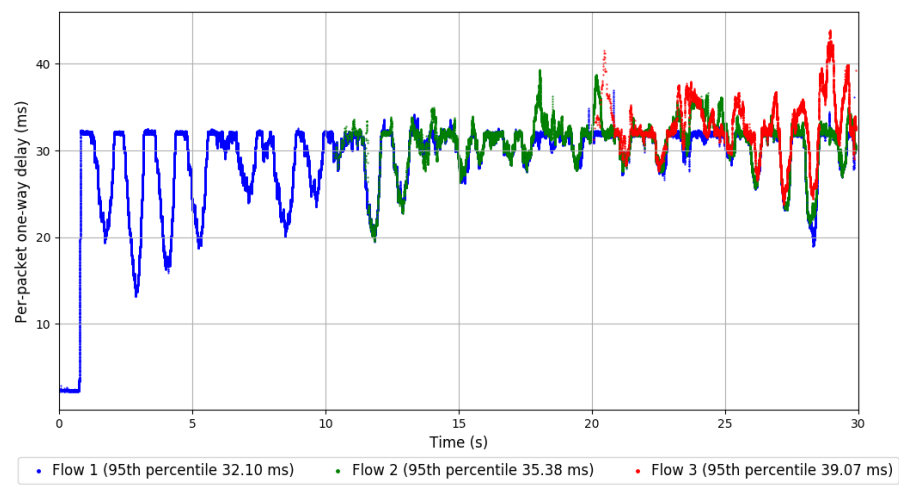
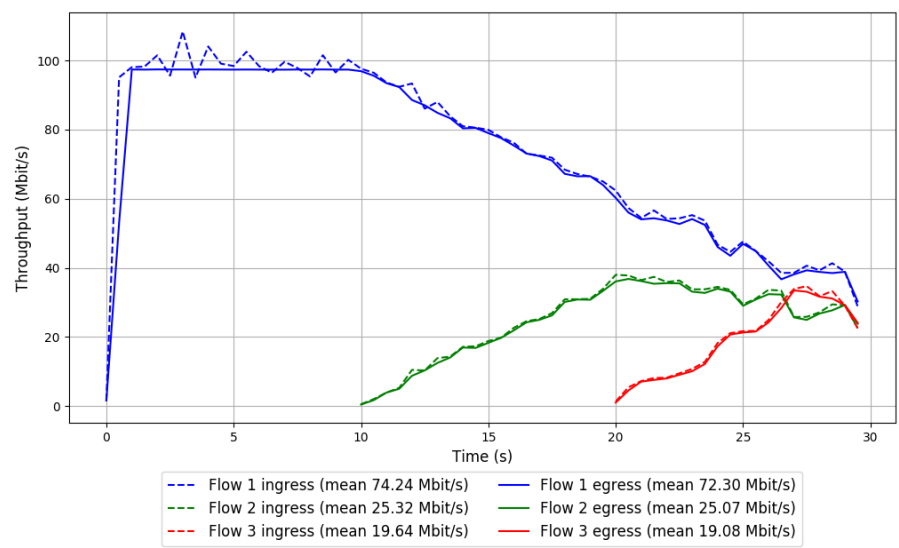


Run 4: Statistics of Vivace-loss

Start at: 2018-02-13 18:07:48
End at: 2018-02-13 18:08:18
Local clock offset: -3.958 ms
Remote clock offset: -4.243 ms

Below is generated by plot.py at 2018-02-13 21:07:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 33.555 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 72.30 Mbit/s
95th percentile per-packet one-way delay: 32.102 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 25.07 Mbit/s
95th percentile per-packet one-way delay: 35.385 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 19.08 Mbit/s
95th percentile per-packet one-way delay: 39.074 ms
Loss rate: 2.80%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-02-13 18:28:15

End at: 2018-02-13 18:28:45

Local clock offset: -4.198 ms

Remote clock offset: -4.19 ms

Below is generated by plot.py at 2018-02-13 21:07:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 36.481 ms

Loss rate: 2.56%

-- Flow 1:

Average throughput: 70.87 Mbit/s

95th percentile per-packet one-way delay: 36.361 ms

Loss rate: 2.73%

-- Flow 2:

Average throughput: 31.56 Mbit/s

95th percentile per-packet one-way delay: 37.133 ms

Loss rate: 1.99%

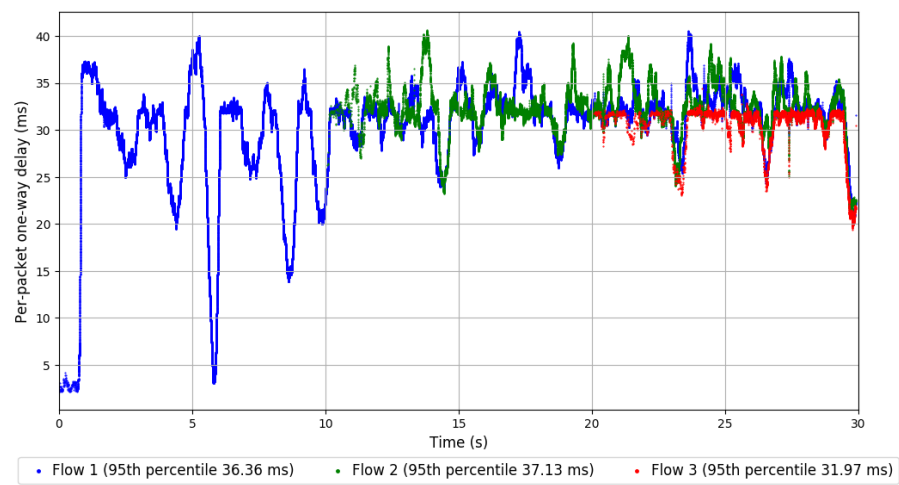
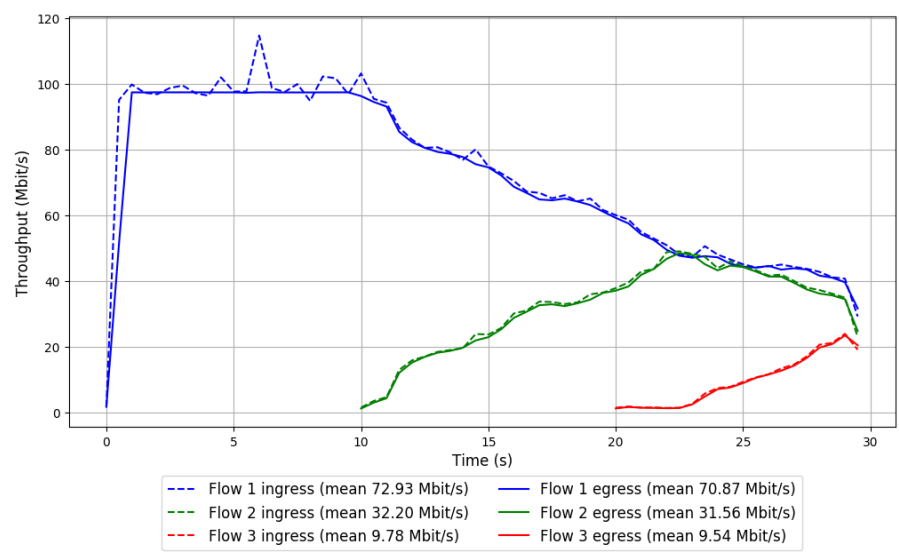
-- Flow 3:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: 31.967 ms

Loss rate: 2.47%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-13 18:48:44

End at: 2018-02-13 18:49:14

Local clock offset: -4.801 ms

Remote clock offset: -4.01 ms

Below is generated by plot.py at 2018-02-13 21:07:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.74 Mbit/s

95th percentile per-packet one-way delay: 70.840 ms

Loss rate: 3.50%

-- Flow 1:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 71.619 ms

Loss rate: 3.61%

-- Flow 2:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 33.018 ms

Loss rate: 3.09%

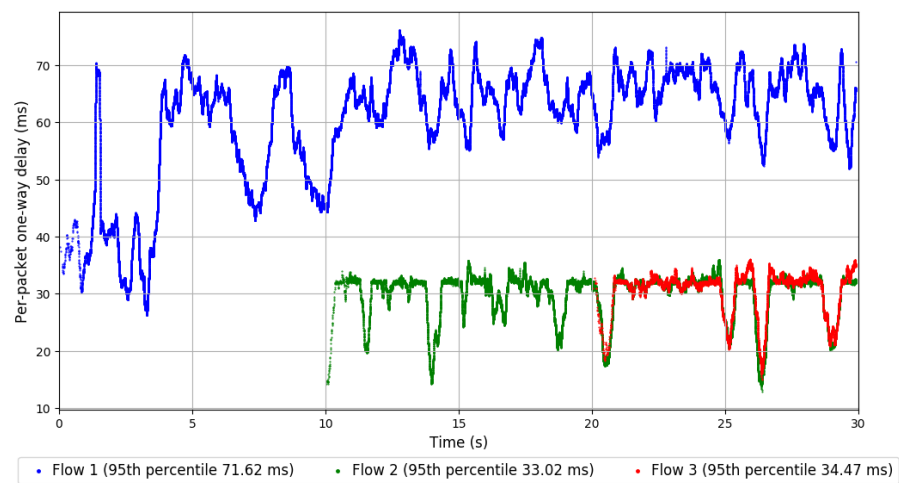
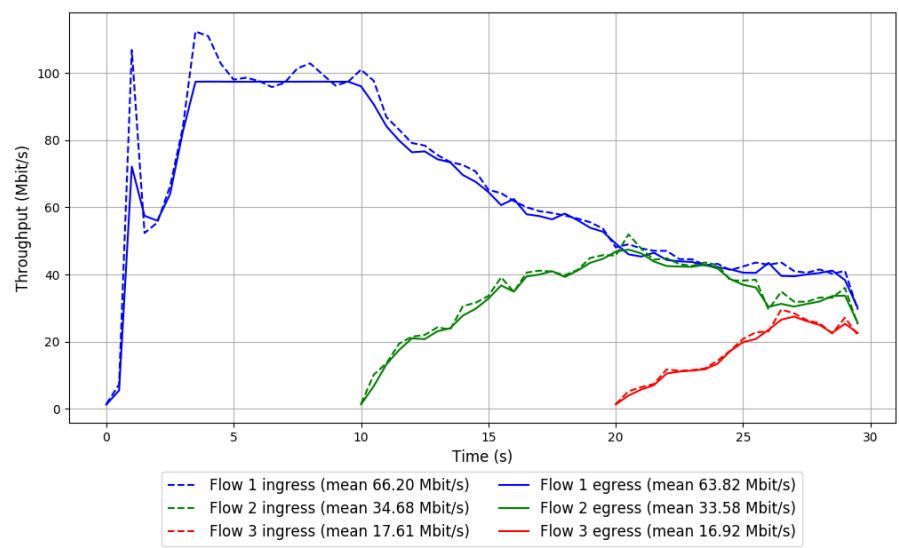
-- Flow 3:

Average throughput: 16.92 Mbit/s

95th percentile per-packet one-way delay: 34.473 ms

Loss rate: 3.93%

Run 6: Report of Vivace-loss — Data Link

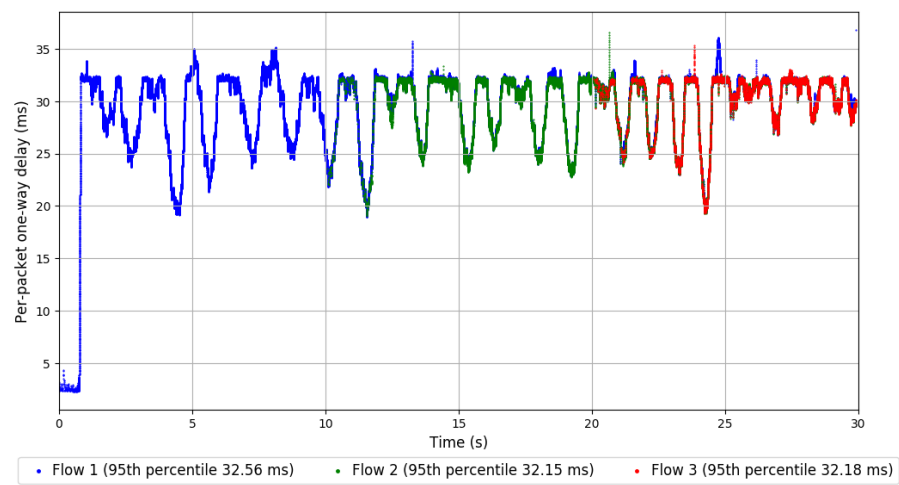
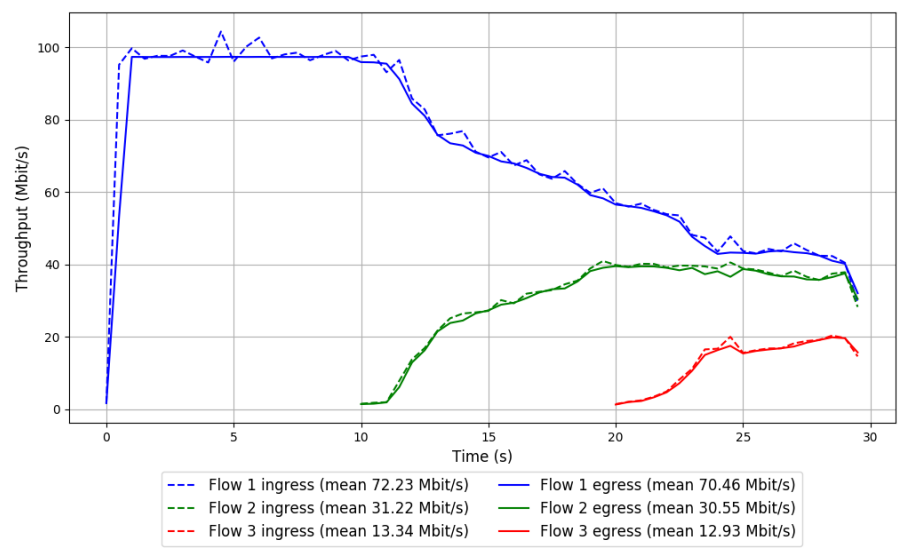


Run 7: Statistics of Vivace-loss

Start at: 2018-02-13 19:09:14
End at: 2018-02-13 19:09:44
Local clock offset: -4.52 ms
Remote clock offset: -4.223 ms

Below is generated by plot.py at 2018-02-13 21:07:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 32.337 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 70.46 Mbit/s
95th percentile per-packet one-way delay: 32.557 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 32.147 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 32.181 ms
Loss rate: 3.14%

Run 7: Report of Vivace-loss — Data Link

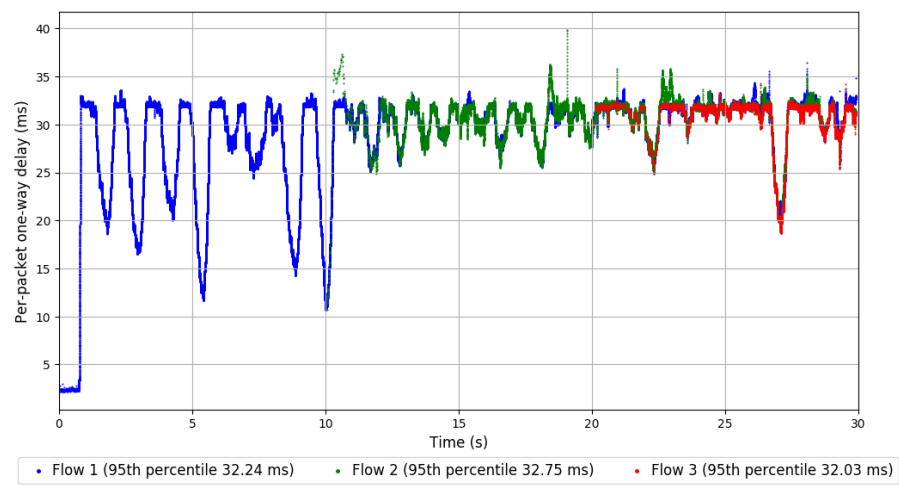
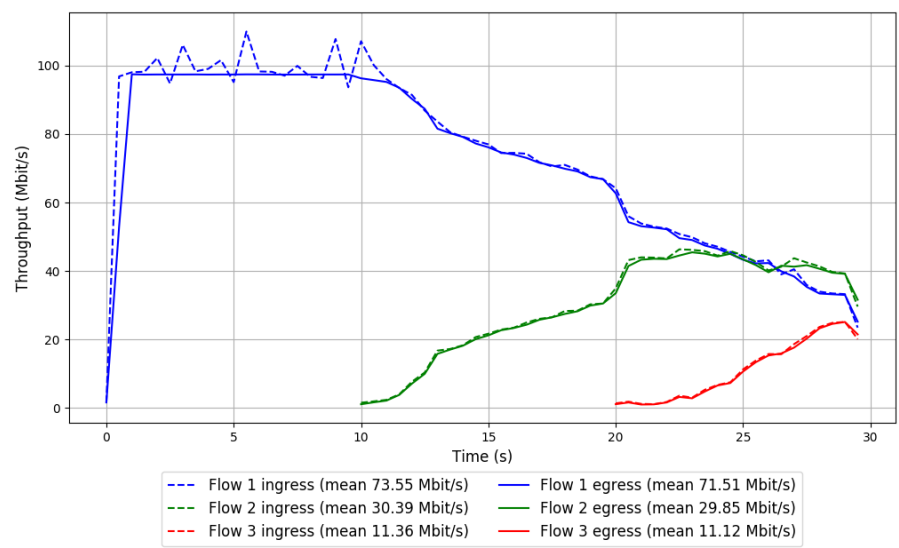


Run 8: Statistics of Vivace-loss

Start at: 2018-02-13 19:29:42
End at: 2018-02-13 19:30:12
Local clock offset: -4.236 ms
Remote clock offset: -3.923 ms

Below is generated by plot.py at 2018-02-13 21:07:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 32.315 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 71.51 Mbit/s
95th percentile per-packet one-way delay: 32.245 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 32.752 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 32.035 ms
Loss rate: 2.08%

Run 8: Report of Vivace-loss — Data Link

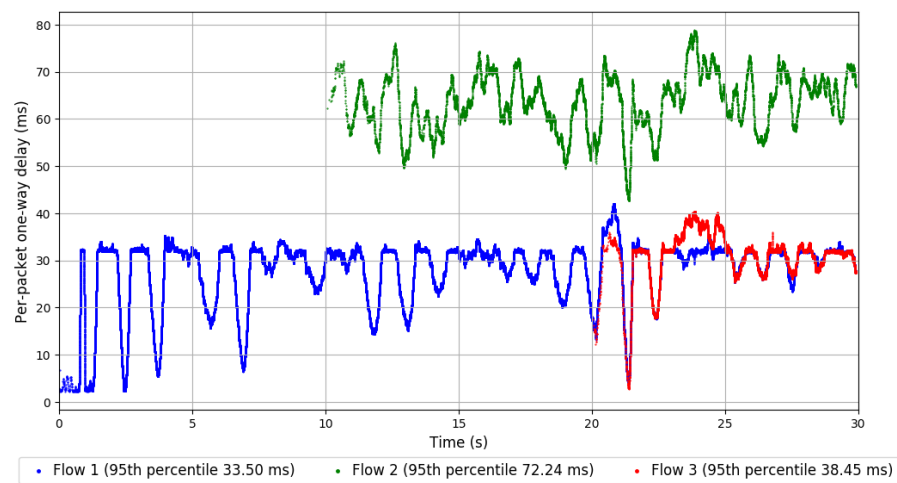
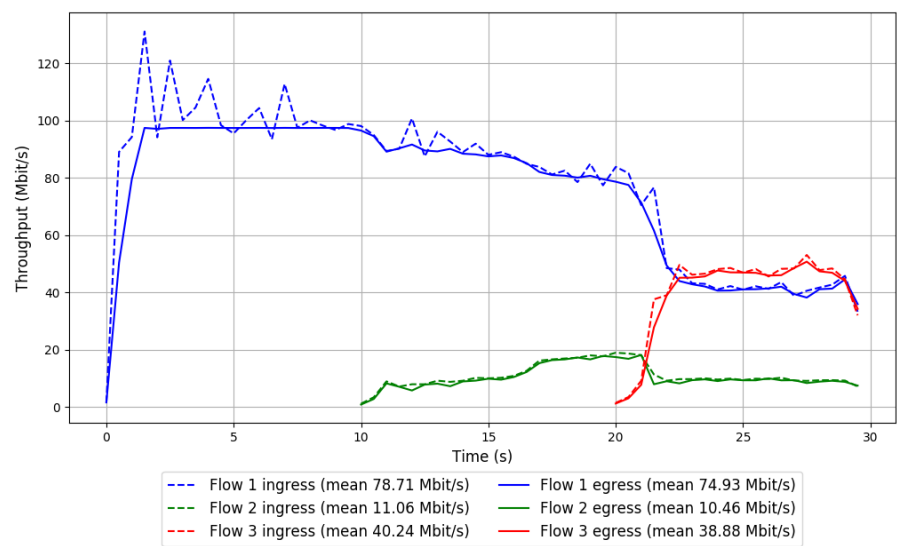


Run 9: Statistics of Vivace-loss

Start at: 2018-02-13 19:50:10
End at: 2018-02-13 19:50:40
Local clock offset: -5.301 ms
Remote clock offset: -3.401 ms

Below is generated by plot.py at 2018-02-13 21:08:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 60.551 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 33.497 ms
Loss rate: 4.72%
-- Flow 2:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 72.243 ms
Loss rate: 5.65%
-- Flow 3:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 38.445 ms
Loss rate: 3.28%

Run 9: Report of Vivace-loss — Data Link

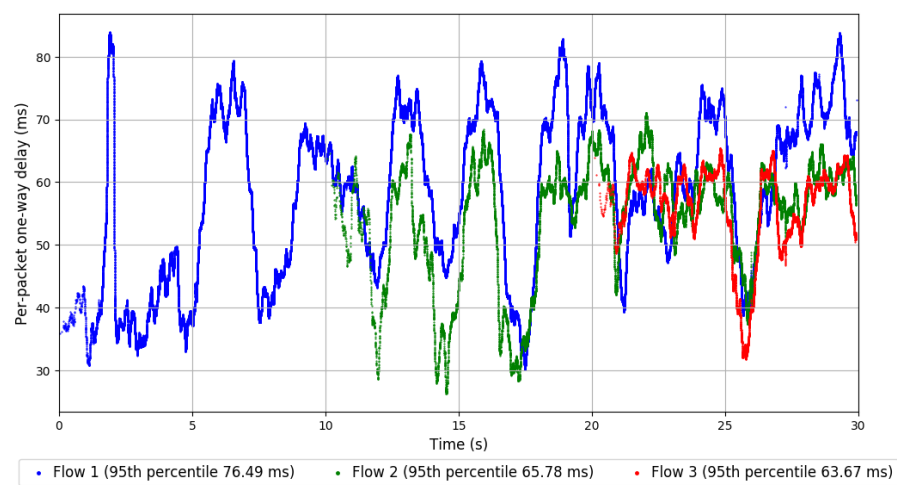
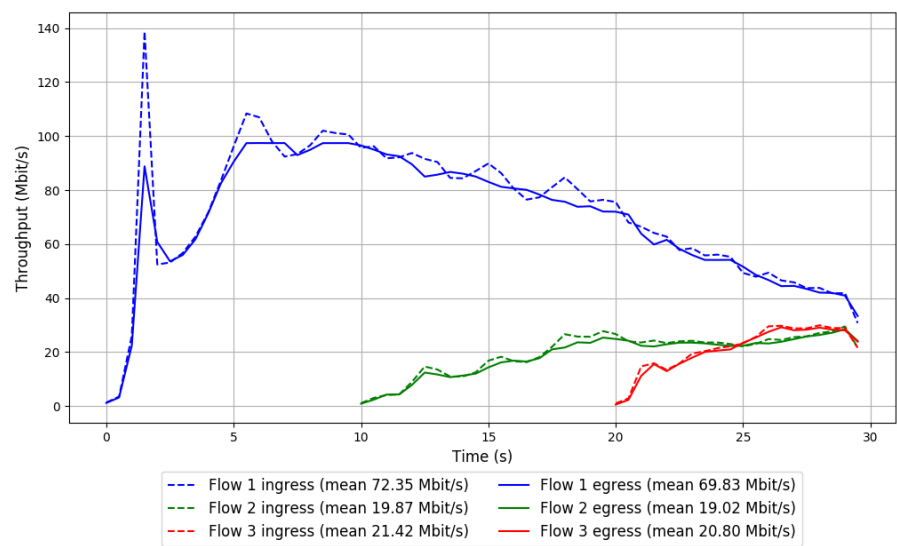


Run 10: Statistics of Vivace-loss

Start at: 2018-02-13 20:10:48
End at: 2018-02-13 20:11:18
Local clock offset: 12.897 ms
Remote clock offset: -5.047 ms

Below is generated by plot.py at 2018-02-13 21:08:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 75.583 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 69.83 Mbit/s
95th percentile per-packet one-way delay: 76.493 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 19.02 Mbit/s
95th percentile per-packet one-way delay: 65.780 ms
Loss rate: 4.35%
-- Flow 3:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 63.668 ms
Loss rate: 3.10%

Run 10: Report of Vivace-loss — Data Link

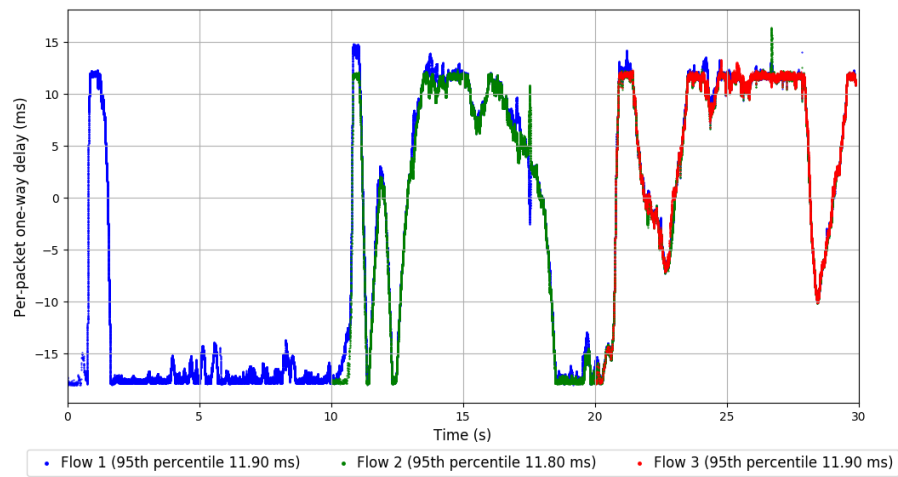
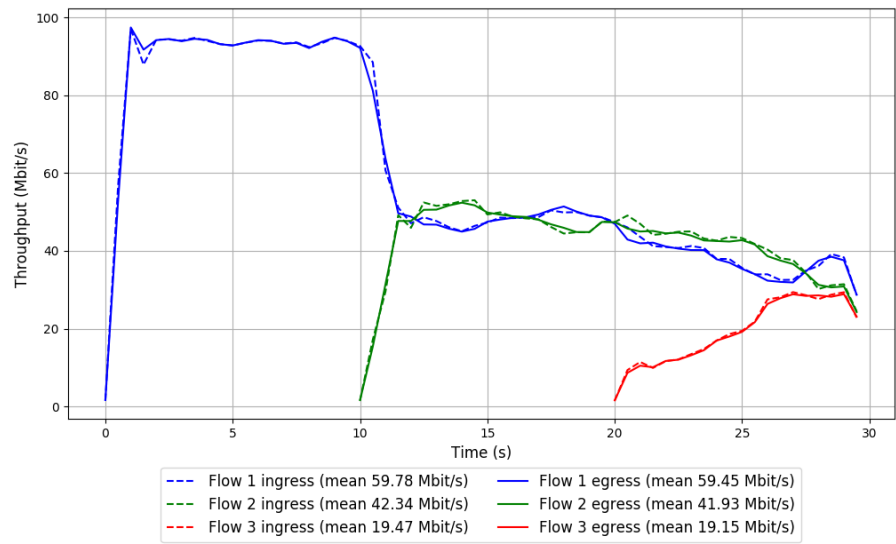


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-13 16:56:14
End at: 2018-02-13 16:56:44
Local clock offset: -5.254 ms
Remote clock offset: -25.511 ms

Below is generated by plot.py at 2018-02-13 21:08:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 11.856 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 59.45 Mbit/s
95th percentile per-packet one-way delay: 11.903 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 11.797 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 19.15 Mbit/s
95th percentile per-packet one-way delay: 11.902 ms
Loss rate: 1.32%

Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

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

End at: 2018-02-13 17:17:14

Local clock offset: -4.962 ms

Remote clock offset: -4.78 ms

Below is generated by plot.py at 2018-02-13 21:08:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.94 Mbit/s

95th percentile per-packet one-way delay: 30.982 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 63.97 Mbit/s

95th percentile per-packet one-way delay: 30.175 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 42.71 Mbit/s

95th percentile per-packet one-way delay: 29.874 ms

Loss rate: 0.04%

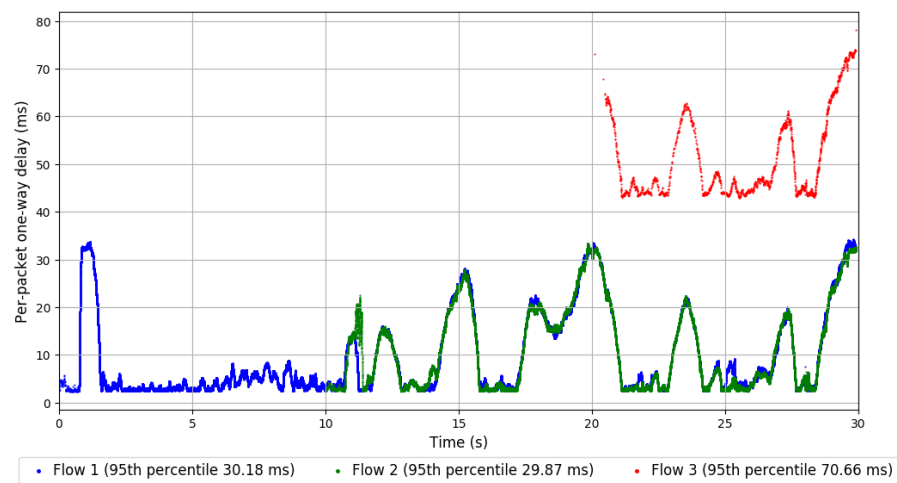
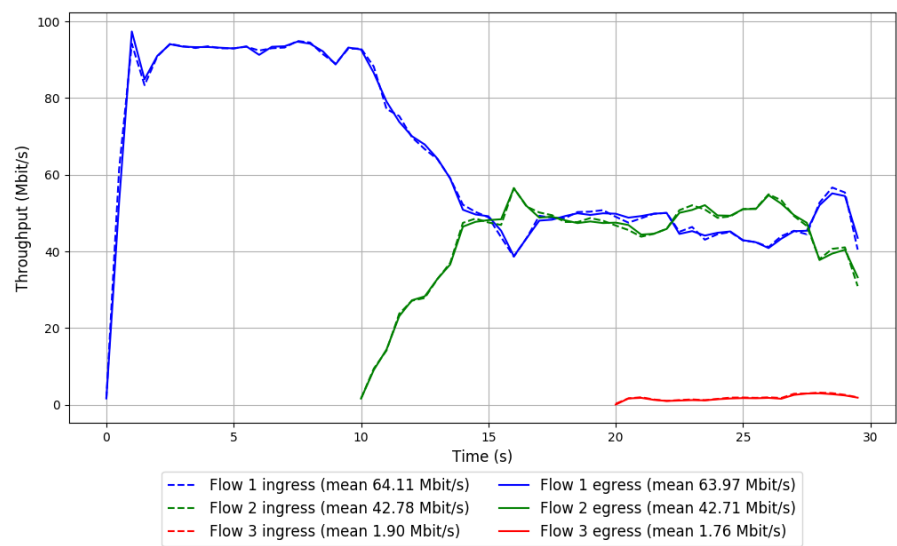
-- Flow 3:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 70.659 ms

Loss rate: 7.51%

Run 2: Report of Vivace-LTE — Data Link

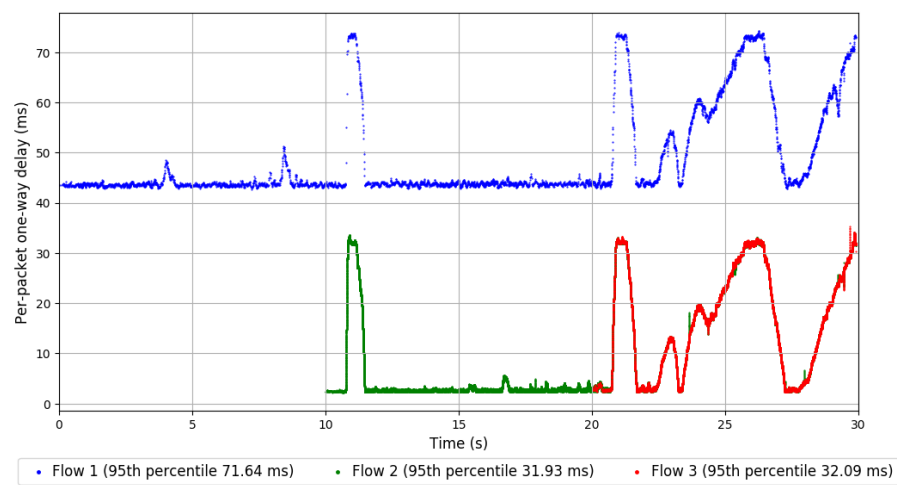
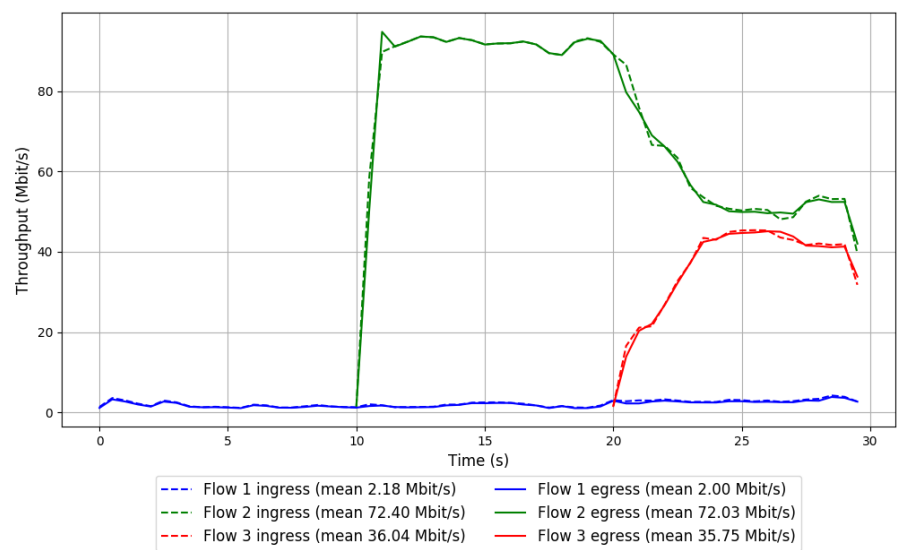


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-13 17:37:13
End at: 2018-02-13 17:37:43
Local clock offset: -3.691 ms
Remote clock offset: -4.445 ms

Below is generated by plot.py at 2018-02-13 21:08:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 32.382 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 71.640 ms
Loss rate: 8.22%
-- Flow 2:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 31.933 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 35.75 Mbit/s
95th percentile per-packet one-way delay: 32.085 ms
Loss rate: 0.54%

Run 3: Report of Vivace-LTE — Data Link

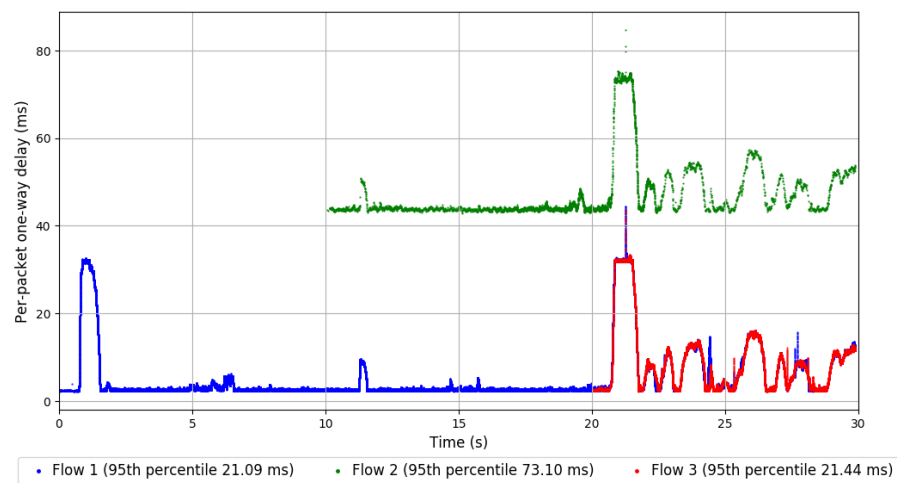
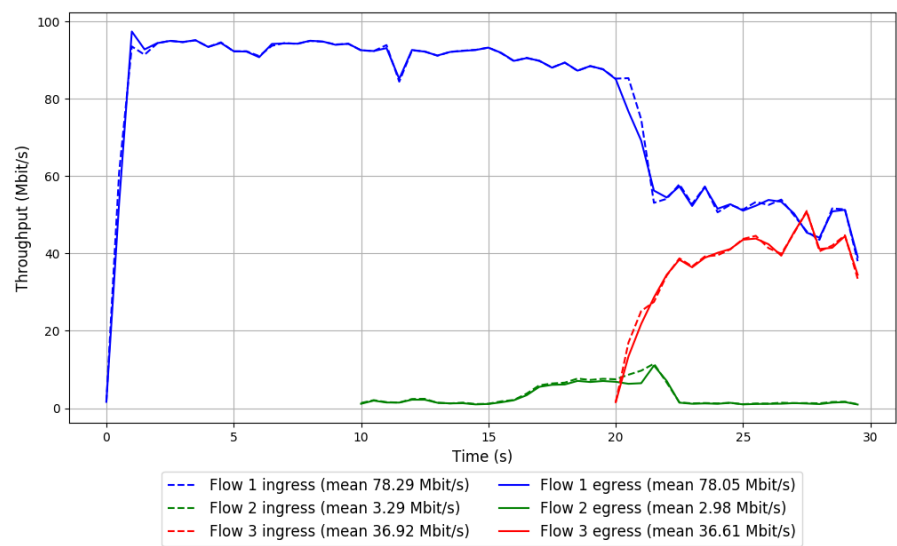


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-13 17:57:40
End at: 2018-02-13 17:58:10
Local clock offset: -3.875 ms
Remote clock offset: -4.299 ms

Below is generated by plot.py at 2018-02-13 21:09:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 31.936 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 78.05 Mbit/s
95th percentile per-packet one-way delay: 21.086 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 73.103 ms
Loss rate: 9.56%
-- Flow 3:
Average throughput: 36.61 Mbit/s
95th percentile per-packet one-way delay: 21.440 ms
Loss rate: 0.74%

Run 4: Report of Vivace-LTE — Data Link

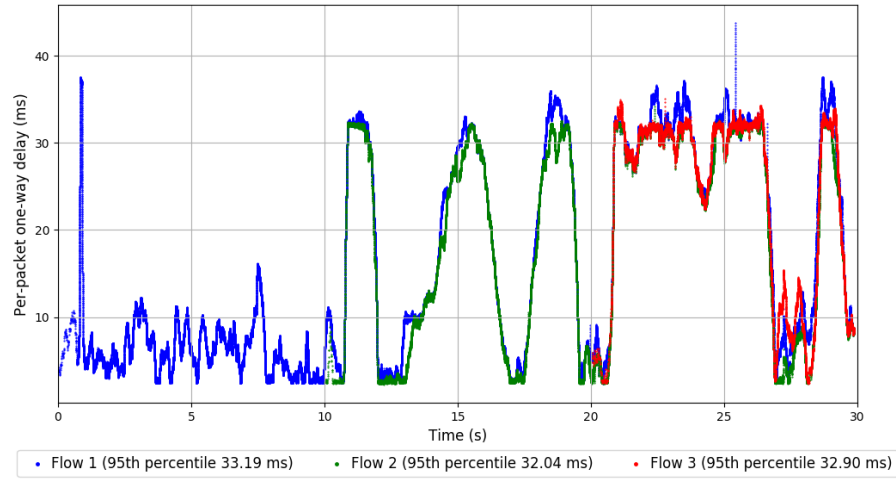
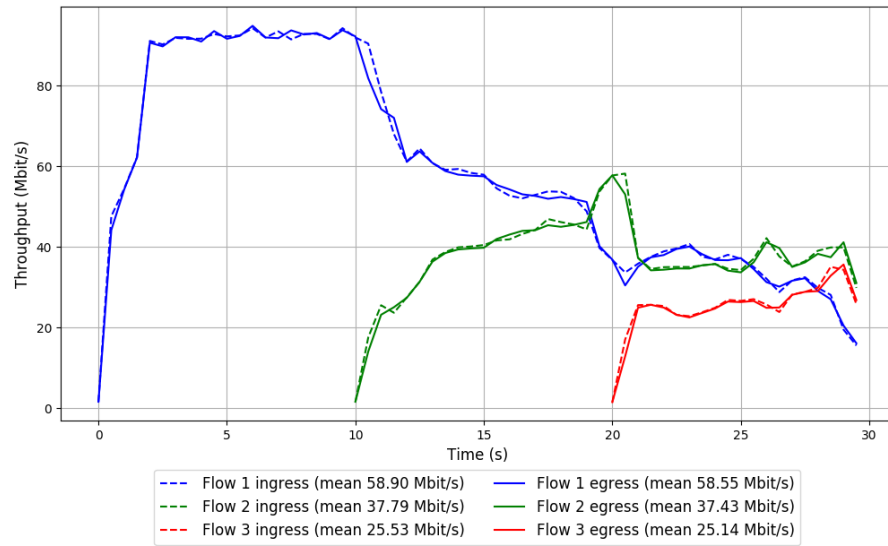


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-13 18:18:05
End at: 2018-02-13 18:18:35
Local clock offset: -4.021 ms
Remote clock offset: -4.179 ms

Below is generated by plot.py at 2018-02-13 21:09:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 32.647 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 58.55 Mbit/s
95th percentile per-packet one-way delay: 33.187 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 32.044 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 32.898 ms
Loss rate: 1.49%

Run 5: Report of Vivace-LTE — Data Link

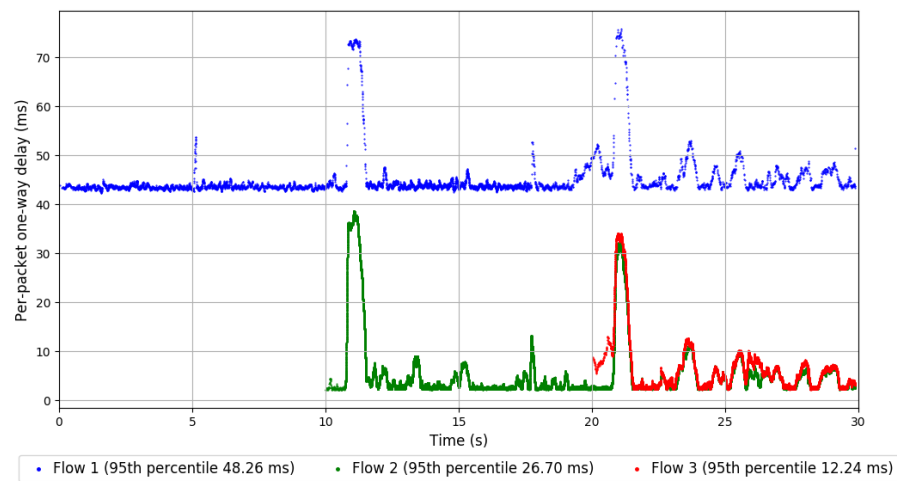
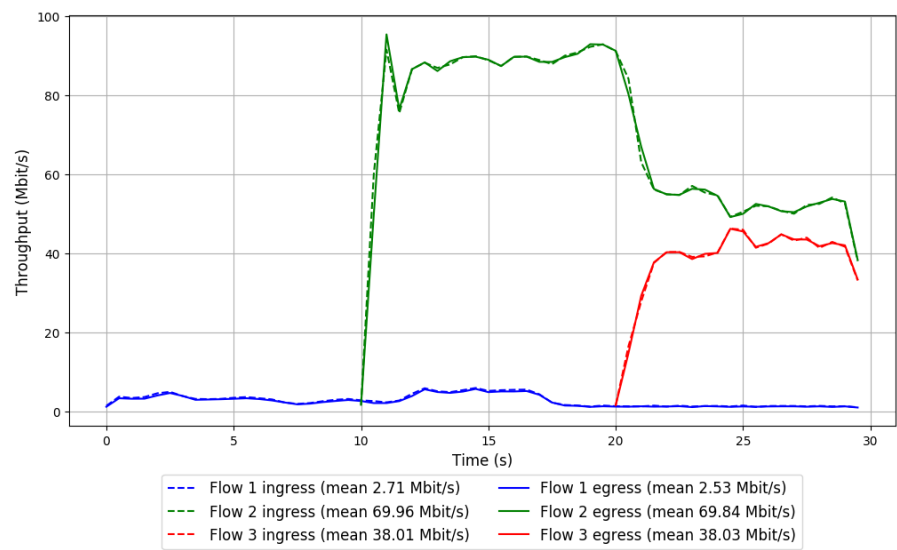


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-13 18:38:34
End at: 2018-02-13 18:39:04
Local clock offset: -4.57 ms
Remote clock offset: -4.124 ms

Below is generated by plot.py at 2018-02-13 21:09:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 37.555 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 48.261 ms
Loss rate: 6.92%
-- Flow 2:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 26.699 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 12.240 ms
Loss rate: 0.00%

Run 6: Report of Vivace-LTE — Data Link

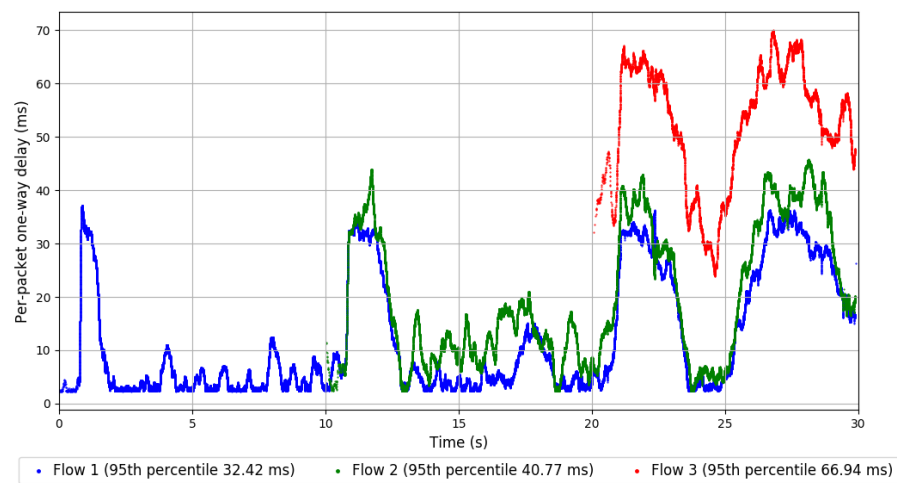
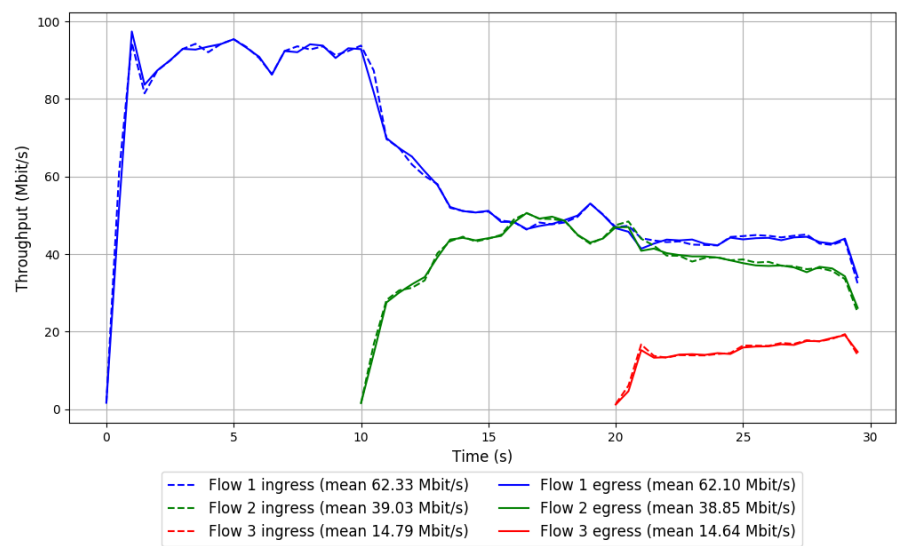


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-13 18:59:01
End at: 2018-02-13 18:59:31
Local clock offset: -4.777 ms
Remote clock offset: -4.227 ms

Below is generated by plot.py at 2018-02-13 21:09:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 42.642 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 62.10 Mbit/s
95th percentile per-packet one-way delay: 32.419 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 40.771 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 14.64 Mbit/s
95th percentile per-packet one-way delay: 66.940 ms
Loss rate: 1.28%

Run 7: Report of Vivace-LTE — Data Link

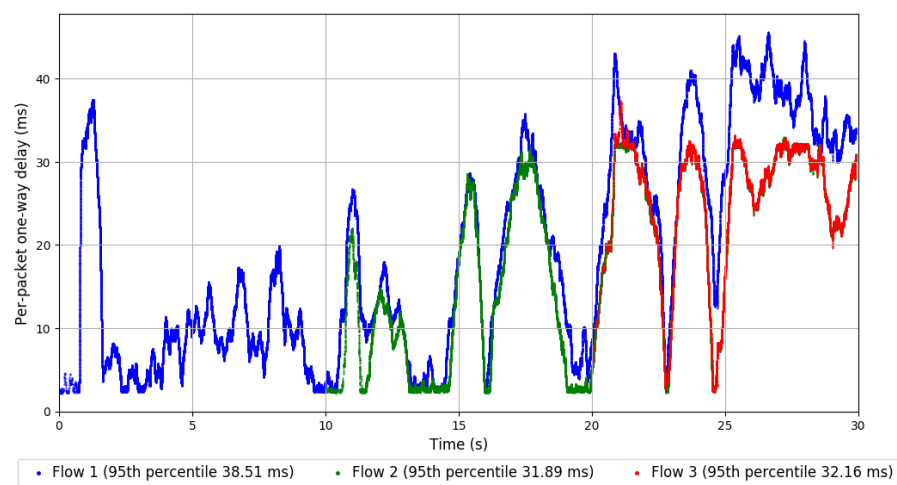
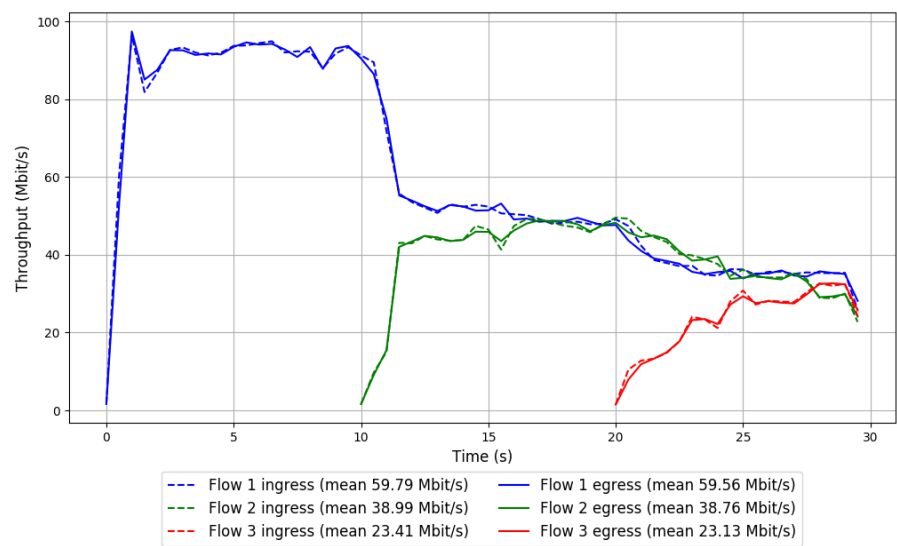


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-13 19:19:31
End at: 2018-02-13 19:20:01
Local clock offset: -4.309 ms
Remote clock offset: -4.261 ms

Below is generated by plot.py at 2018-02-13 21:09:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 36.475 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 59.56 Mbit/s
95th percentile per-packet one-way delay: 38.511 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 31.887 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 23.13 Mbit/s
95th percentile per-packet one-way delay: 32.156 ms
Loss rate: 0.97%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-02-13 19:40:00

End at: 2018-02-13 19:40:30

Local clock offset: -4.957 ms

Remote clock offset: -3.6 ms

Below is generated by plot.py at 2018-02-13 21:09:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.52 Mbit/s

95th percentile per-packet one-way delay: 32.031 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 60.72 Mbit/s

95th percentile per-packet one-way delay: 32.047 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 37.80 Mbit/s

95th percentile per-packet one-way delay: 31.983 ms

Loss rate: 0.72%

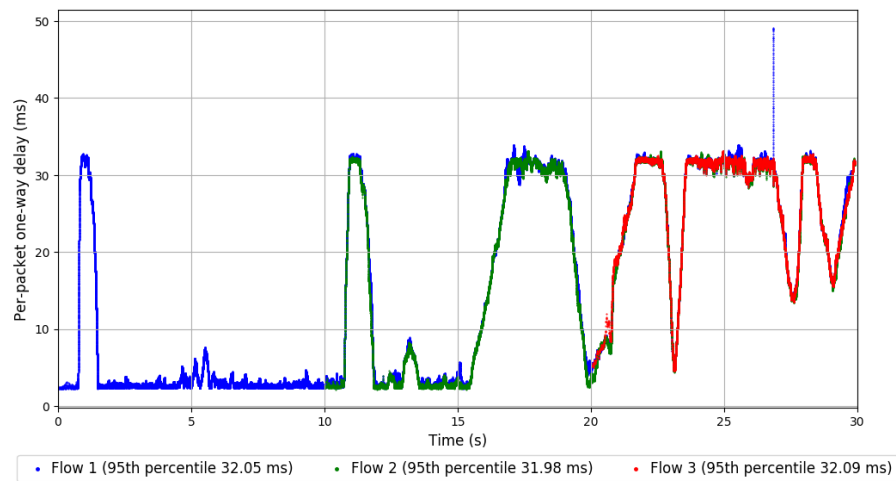
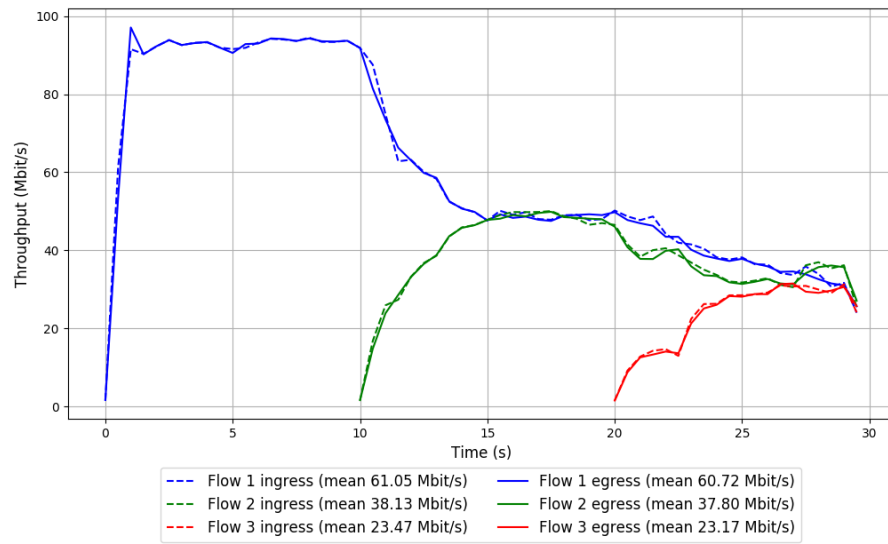
-- Flow 3:

Average throughput: 23.17 Mbit/s

95th percentile per-packet one-way delay: 32.088 ms

Loss rate: 1.02%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-13 20:00:26
End at: 2018-02-13 20:00:56
Local clock offset: -5.515 ms
Remote clock offset: -3.694 ms

Below is generated by plot.py at 2018-02-13 21:09:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 37.607 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 61.88 Mbit/s
95th percentile per-packet one-way delay: 36.647 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 40.219 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 27.11 Mbit/s
95th percentile per-packet one-way delay: 40.317 ms
Loss rate: 2.03%

Run 10: Report of Vivace-LTE — Data Link

