

Pantheon Report

Generated at 2018-02-20 17:29:11 (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).

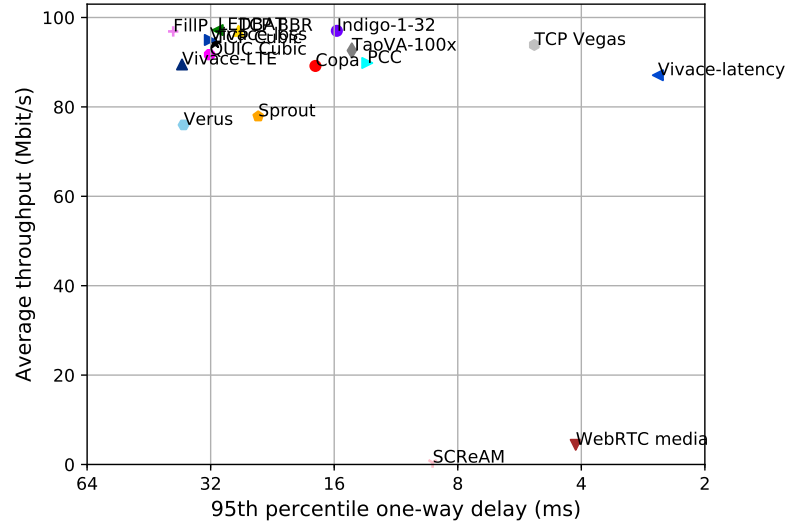
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

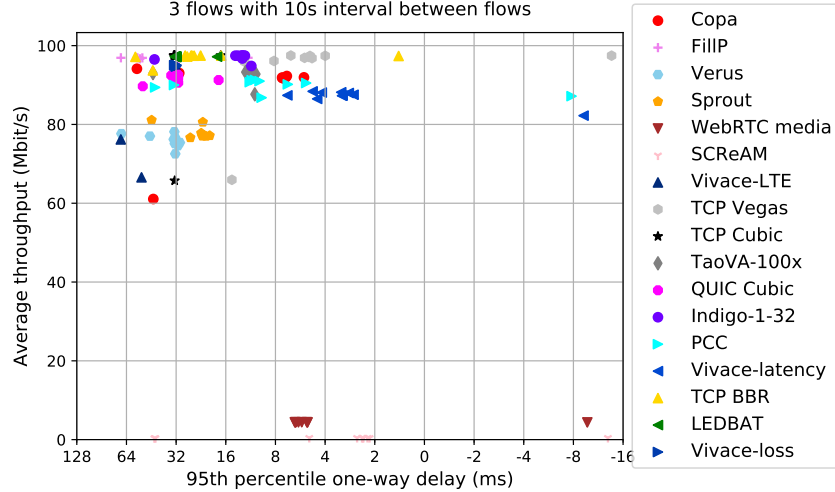
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 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



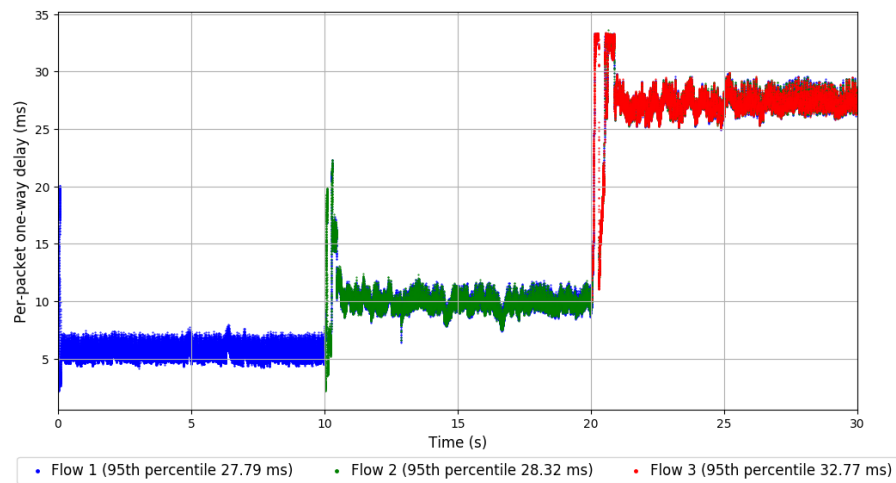
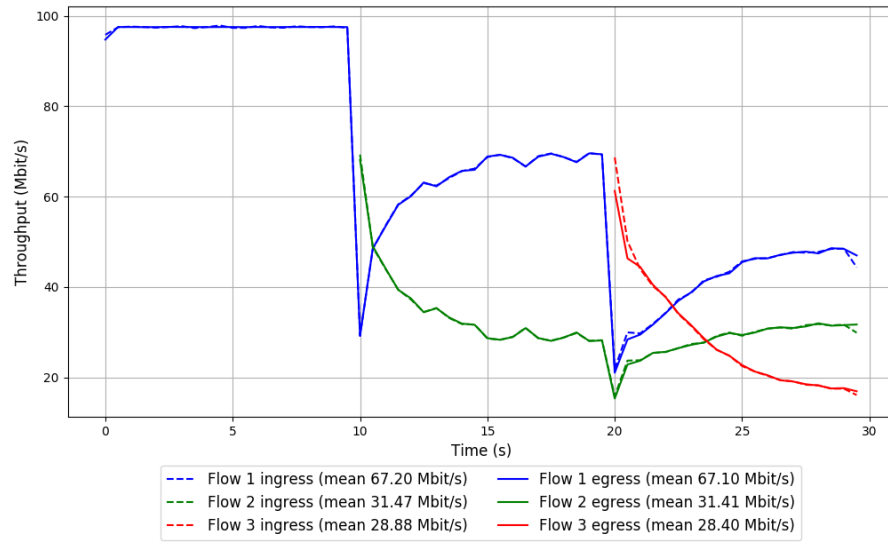
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	65.61	35.88	22.62	22.92	27.47	27.04	0.05	0.22	0.67
TCP Cubic	10	60.84	38.06	24.44	34.78	34.98	42.36	0.21	0.15	0.30
LEDBAT	10	62.41	39.30	26.40	30.72	30.86	34.86	0.03	0.06	0.28
PCC	10	71.49	21.45	12.36	11.24	17.44	11.93	0.10	0.45	0.03
QUIC Cubic	10	58.80	35.32	28.95	30.20	32.46	30.05	0.14	0.24	0.21
SCReAM	10	0.22	0.20	0.22	1.23	9.03	0.78	0.01	0.38	0.00
WebRTC media	10	2.35	1.50	0.55	3.83	4.11	5.39	0.01	0.00	0.01
Sprout	10	43.00	38.44	28.22	17.97	18.95	28.62	0.01	0.00	0.36
TaoVA-100x	10	55.88	34.16	42.14	10.36	12.05	16.86	0.02	0.09	0.22
TCP Vegas	10	50.42	39.38	51.84	8.79	11.40	7.27	0.12	0.37	0.22
Verus	10	45.40	30.85	30.69	30.61	32.44	38.90	10.22	16.85	31.07
Copa	10	53.40	38.94	29.61	14.25	14.65	19.97	0.09	0.02	0.18
FillP	10	58.49	40.97	33.68	28.23	28.18	36.42	17.60	24.30	32.89
Indigo-1-32	10	49.58	42.39	59.48	10.43	16.67	16.31	0.00	0.06	0.04
Vivace-latency	10	56.71	33.52	24.54	1.75	5.70	8.97	0.05	0.09	0.14
Vivace-loss	10	69.44	31.74	13.88	32.14	32.07	37.85	2.93	1.97	2.77
Vivace-LTE	10	55.96	38.64	23.73	39.58	32.16	31.92	0.76	0.76	1.32

Run 1: Statistics of TCP BBR

Start at: 2018-02-20 13:18:15
End at: 2018-02-20 13:18:45
Local clock offset: -13.709 ms
Remote clock offset: -12.291 ms

Below is generated by plot.py at 2018-02-20 17:01:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 28.199 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 67.10 Mbit/s
95th percentile per-packet one-way delay: 27.789 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 28.321 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 32.774 ms
Loss rate: 1.49%

Run 1: Report of TCP BBR — Data Link

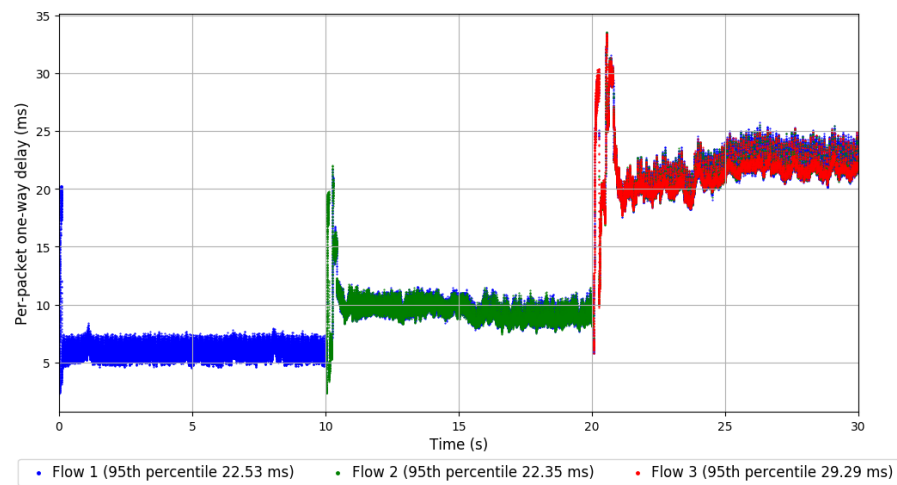
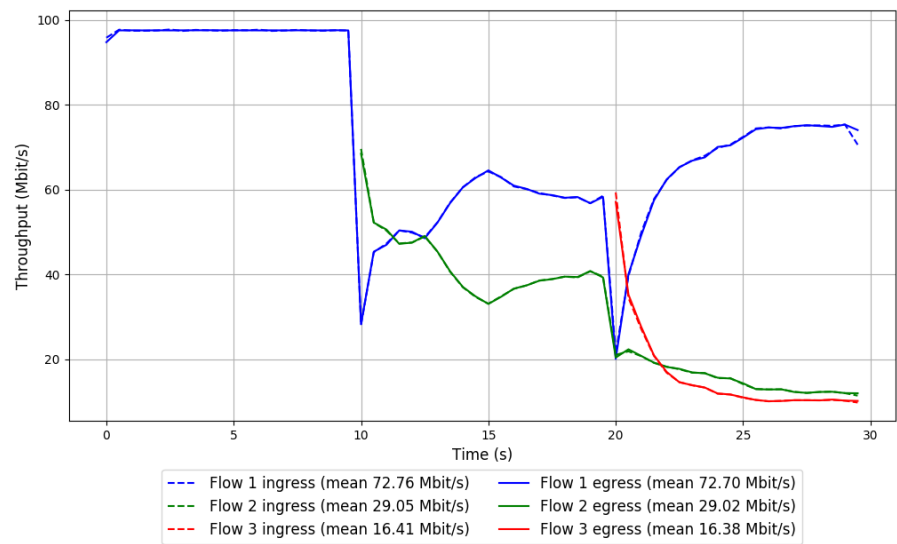


Run 2: Statistics of TCP BBR

Start at: 2018-02-20 13:38:48
End at: 2018-02-20 13:39:18
Local clock offset: -14.902 ms
Remote clock offset: -12.465 ms

Below is generated by plot.py at 2018-02-20 17:01:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 22.742 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 22.534 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 29.02 Mbit/s
95th percentile per-packet one-way delay: 22.354 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 29.287 ms
Loss rate: 0.03%

Run 2: Report of TCP BBR — Data Link

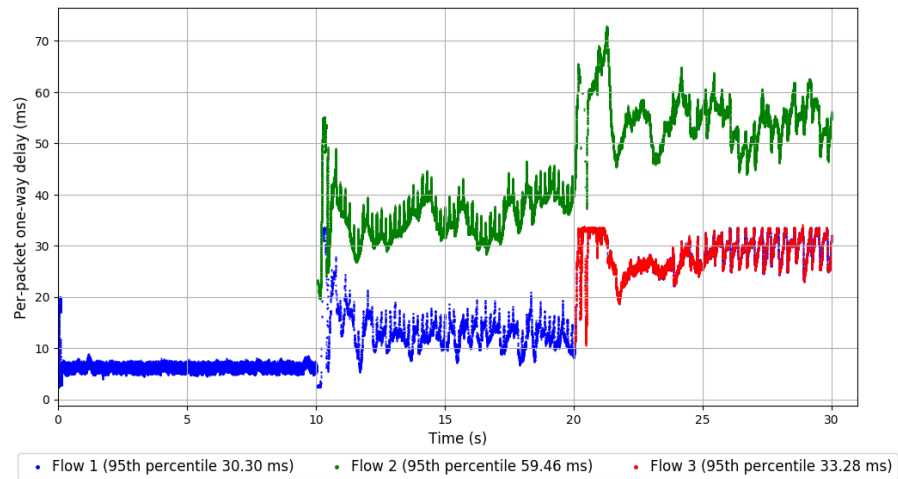
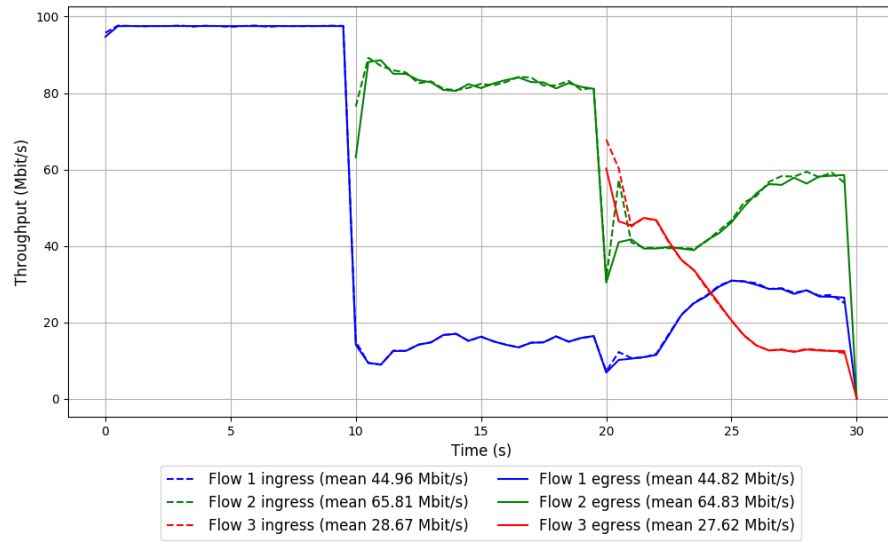


Run 3: Statistics of TCP BBR

Start at: 2018-02-20 13:59:20
End at: 2018-02-20 13:59:50
Local clock offset: -13.4 ms
Remote clock offset: -12.762 ms

Below is generated by plot.py at 2018-02-20 17:01:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 56.502 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 30.304 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 59.458 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 27.62 Mbit/s
95th percentile per-packet one-way delay: 33.276 ms
Loss rate: 3.45%

Run 3: Report of TCP BBR — Data Link

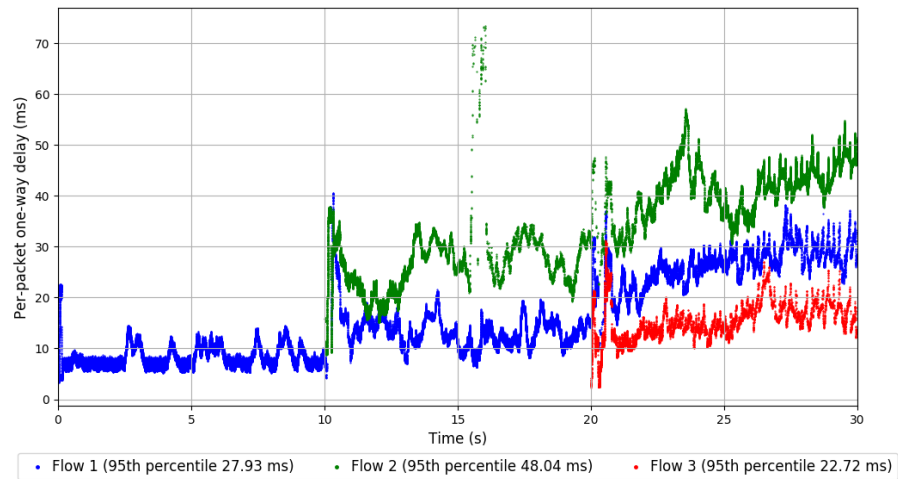
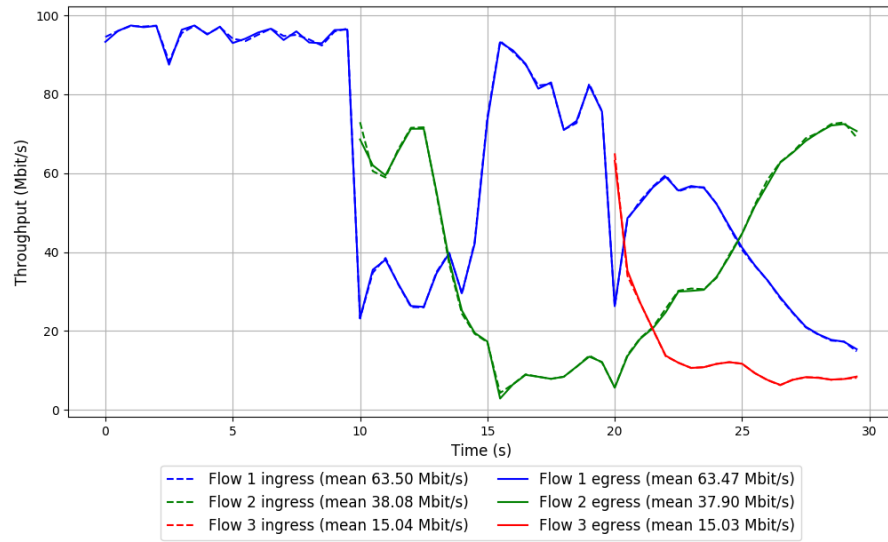


Run 4: Statistics of TCP BBR

Start at: 2018-02-20 14:19:53
End at: 2018-02-20 14:20:23
Local clock offset: -12.614 ms
Remote clock offset: -12.649 ms

Below is generated by plot.py at 2018-02-20 17:01:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 44.282 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 63.47 Mbit/s
95th percentile per-packet one-way delay: 27.929 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 48.040 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 15.03 Mbit/s
95th percentile per-packet one-way delay: 22.717 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

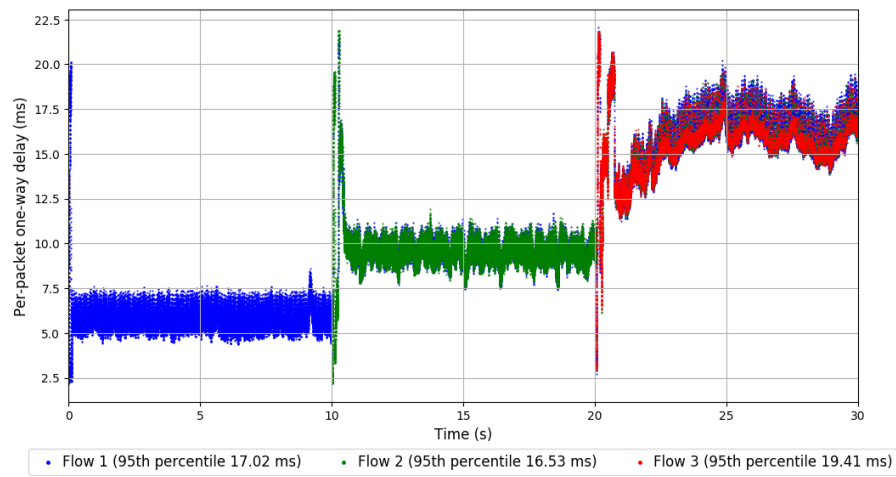
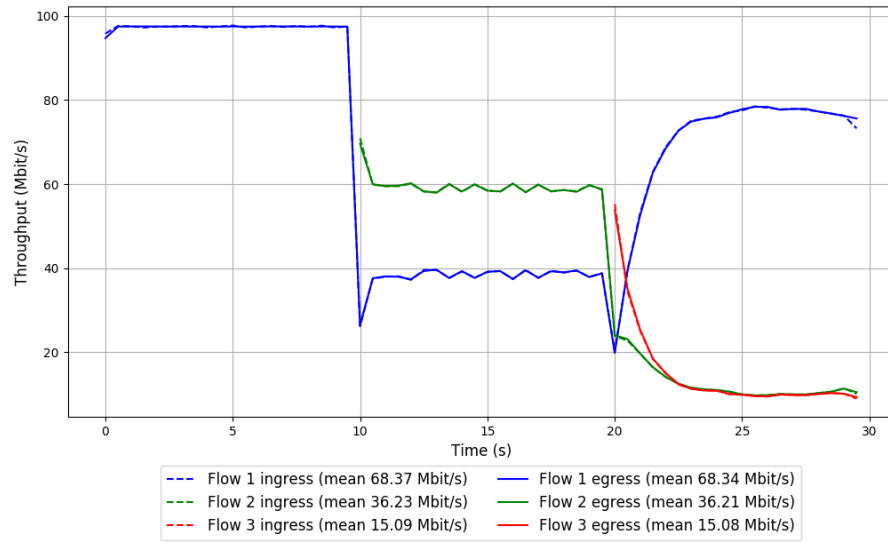


Run 5: Statistics of TCP BBR

Start at: 2018-02-20 14:40:25
End at: 2018-02-20 14:40:55
Local clock offset: -15.804 ms
Remote clock offset: -12.657 ms

Below is generated by plot.py at 2018-02-20 17:01:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 17.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.34 Mbit/s
95th percentile per-packet one-way delay: 17.020 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.21 Mbit/s
95th percentile per-packet one-way delay: 16.527 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 19.411 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

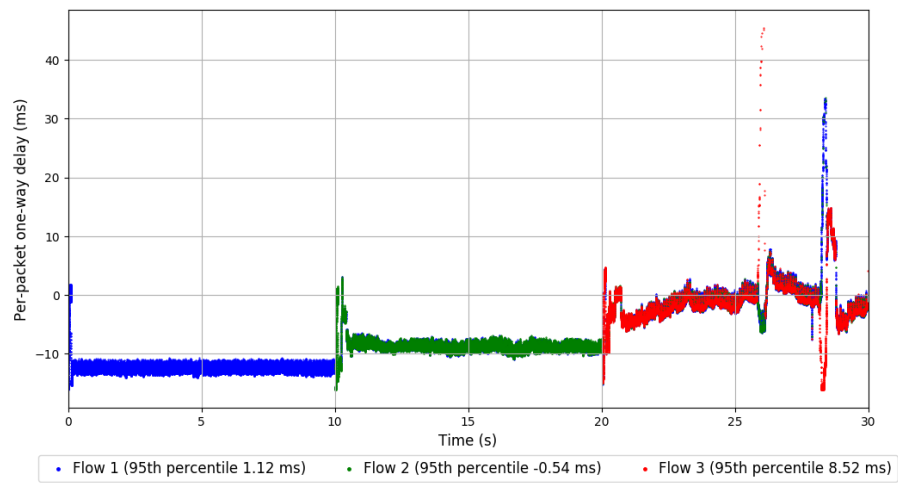
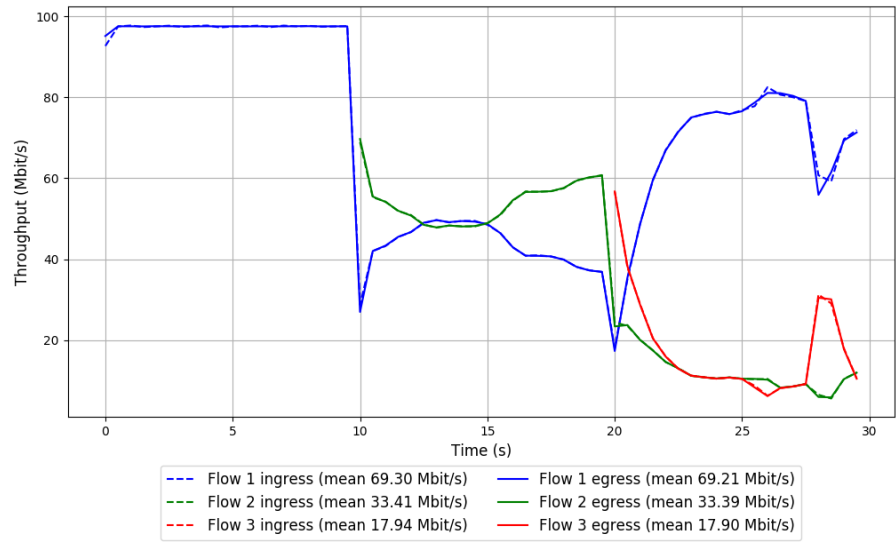


Run 6: Statistics of TCP BBR

Start at: 2018-02-20 15:00:56
End at: 2018-02-20 15:01:26
Local clock offset: -16.794 ms
Remote clock offset: -31.171 ms

Below is generated by plot.py at 2018-02-20 17:01:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 1.120 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: -0.535 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 17.90 Mbit/s
95th percentile per-packet one-way delay: 8.516 ms
Loss rate: 0.12%

Run 6: Report of TCP BBR — Data Link

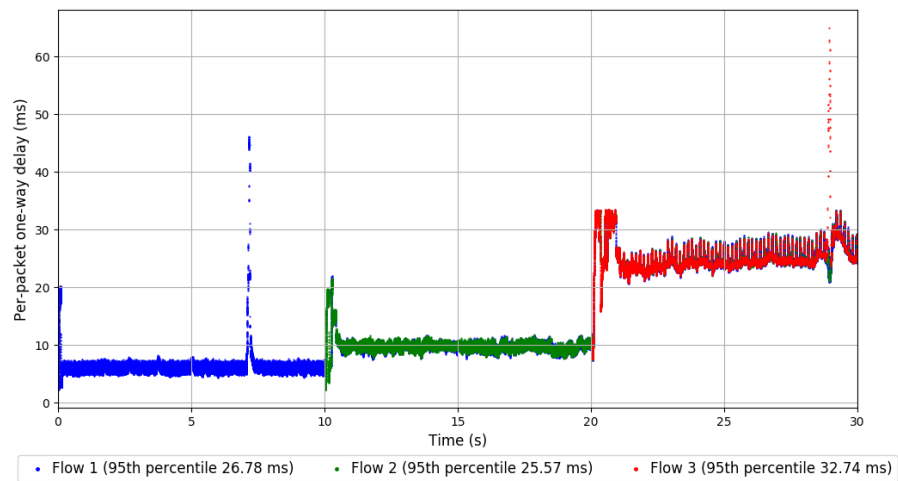
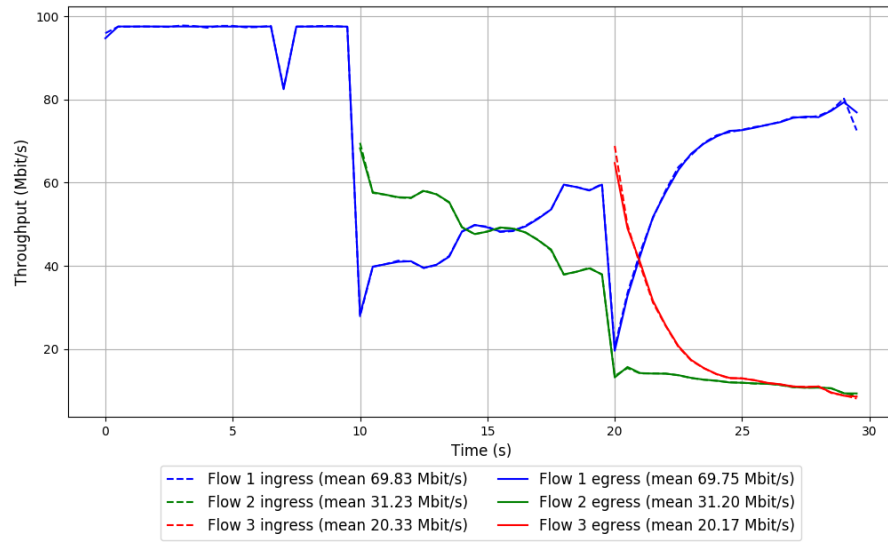


Run 7: Statistics of TCP BBR

Start at: 2018-02-20 15:21:28
End at: 2018-02-20 15:21:58
Local clock offset: -17.447 ms
Remote clock offset: -13.093 ms

Below is generated by plot.py at 2018-02-20 17:01:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 27.383 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 69.75 Mbit/s
95th percentile per-packet one-way delay: 26.784 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 25.572 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 32.736 ms
Loss rate: 0.64%

Run 7: Report of TCP BBR — Data Link

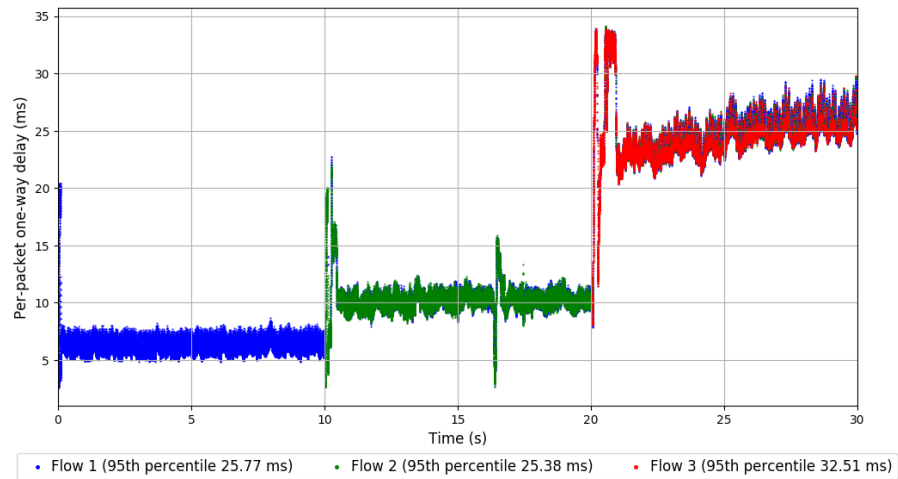
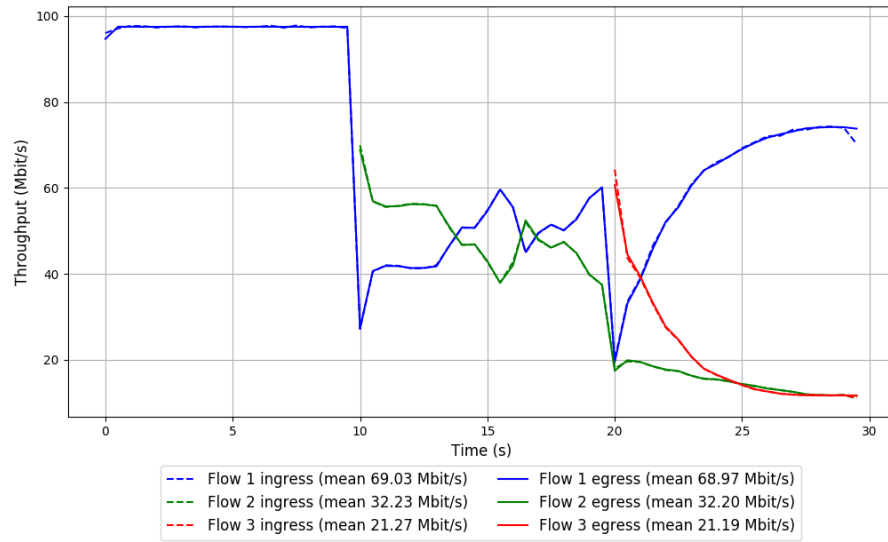


Run 8: Statistics of TCP BBR

Start at: 2018-02-20 15:41:58
End at: 2018-02-20 15:42:28
Local clock offset: -7.149 ms
Remote clock offset: -13.301 ms

Below is generated by plot.py at 2018-02-20 17:01:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 25.965 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 68.97 Mbit/s
95th percentile per-packet one-way delay: 25.770 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 25.378 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 32.505 ms
Loss rate: 0.20%

Run 8: Report of TCP BBR — Data Link

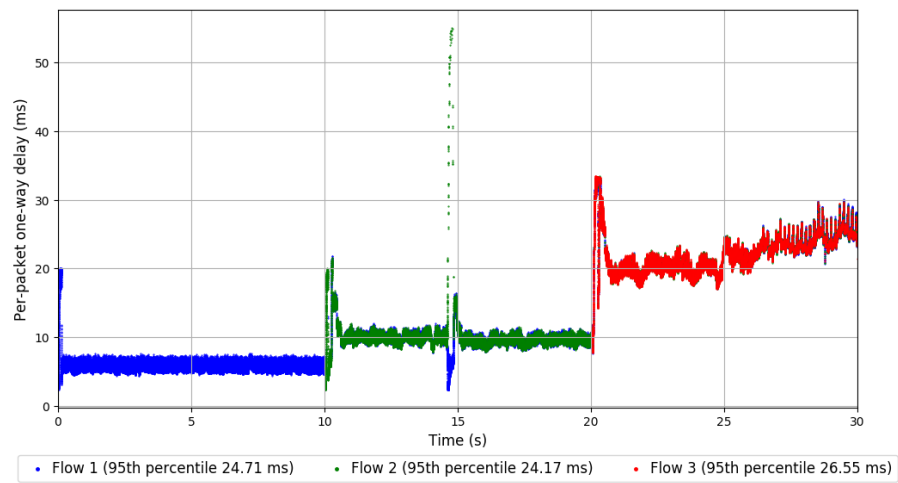
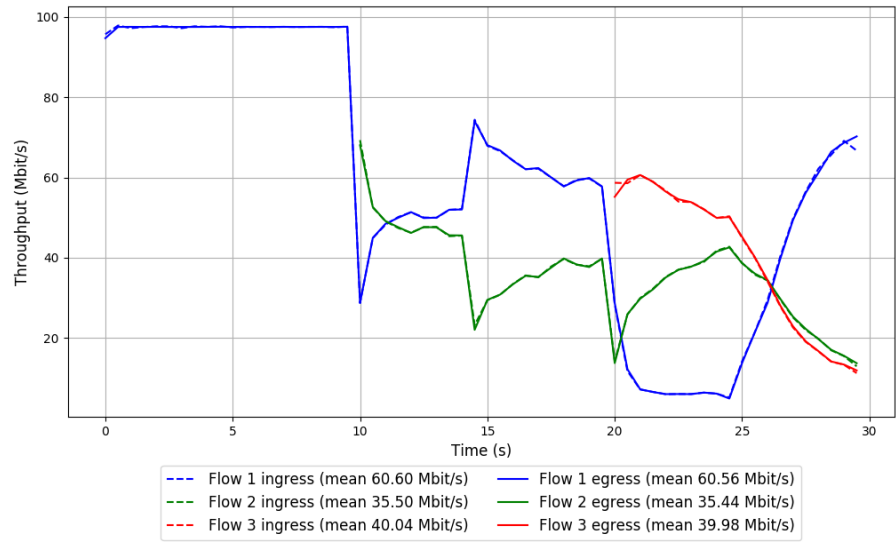


Run 9: Statistics of TCP BBR

Start at: 2018-02-20 16:02:29
End at: 2018-02-20 16:02:59
Local clock offset: -0.485 ms
Remote clock offset: -6.257 ms

Below is generated by plot.py at 2018-02-20 17:02:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 24.895 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 24.706 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.44 Mbit/s
95th percentile per-packet one-way delay: 24.170 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 39.98 Mbit/s
95th percentile per-packet one-way delay: 26.548 ms
Loss rate: 0.04%

Run 9: Report of TCP BBR — Data Link

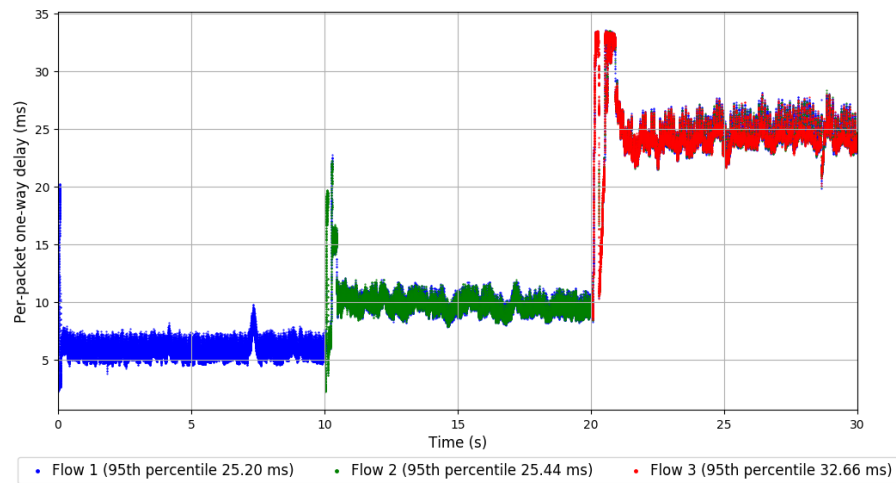
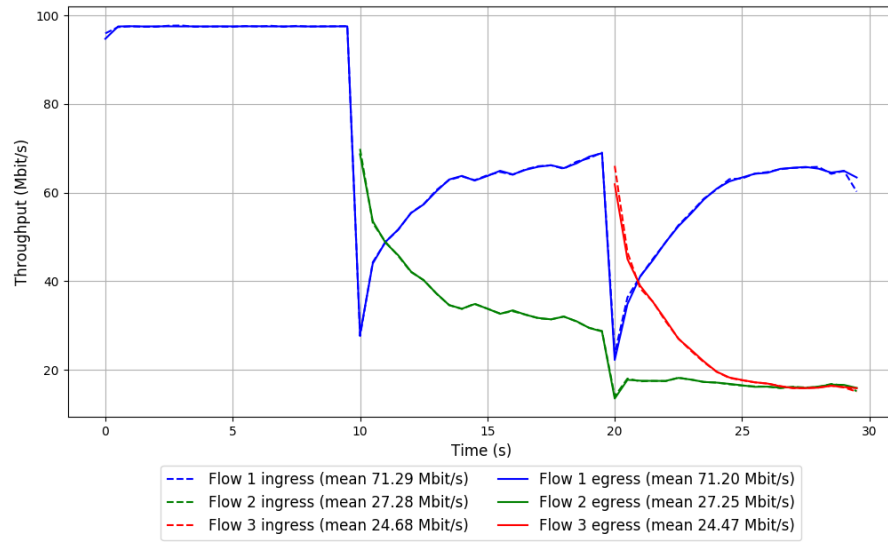


Run 10: Statistics of TCP BBR

Start at: 2018-02-20 16:23:00
End at: 2018-02-20 16:23:30
Local clock offset: -2.37 ms
Remote clock offset: -1.709 ms

Below is generated by plot.py at 2018-02-20 17:02:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 25.662 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 71.20 Mbit/s
95th percentile per-packet one-way delay: 25.195 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 27.25 Mbit/s
95th percentile per-packet one-way delay: 25.440 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 32.657 ms
Loss rate: 0.71%

Run 10: Report of TCP BBR — Data Link

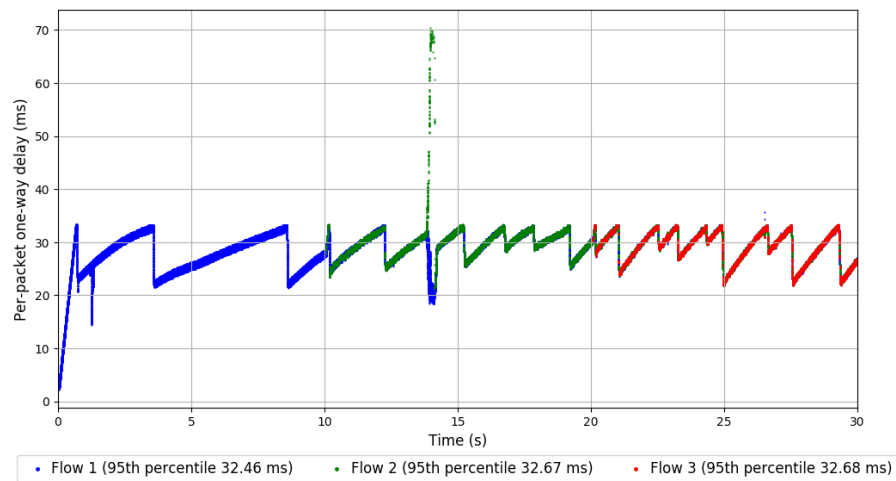
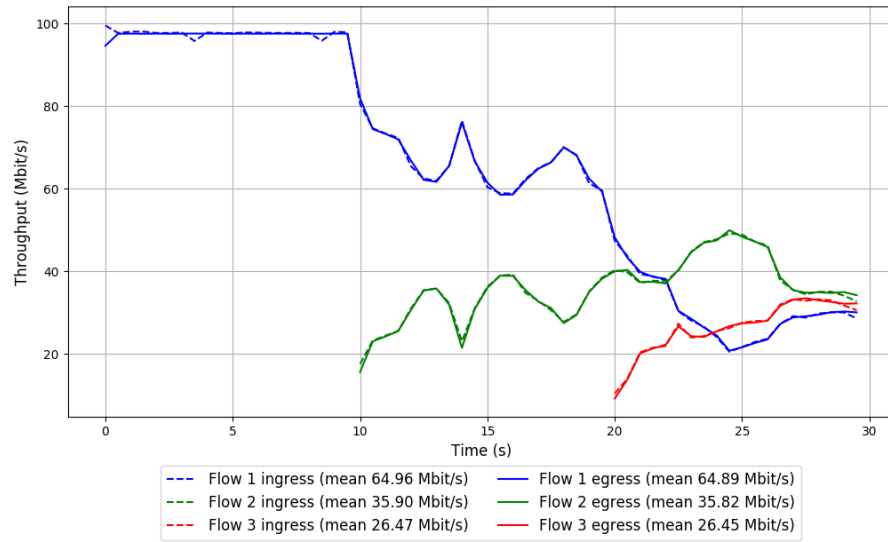


Run 1: Statistics of TCP Cubic

Start at: 2018-02-20 13:19:23
End at: 2018-02-20 13:19:53
Local clock offset: -13.849 ms
Remote clock offset: -12.252 ms

Below is generated by plot.py at 2018-02-20 17:02:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.640 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 32.461 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.82 Mbit/s
95th percentile per-packet one-way delay: 32.670 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 32.682 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link

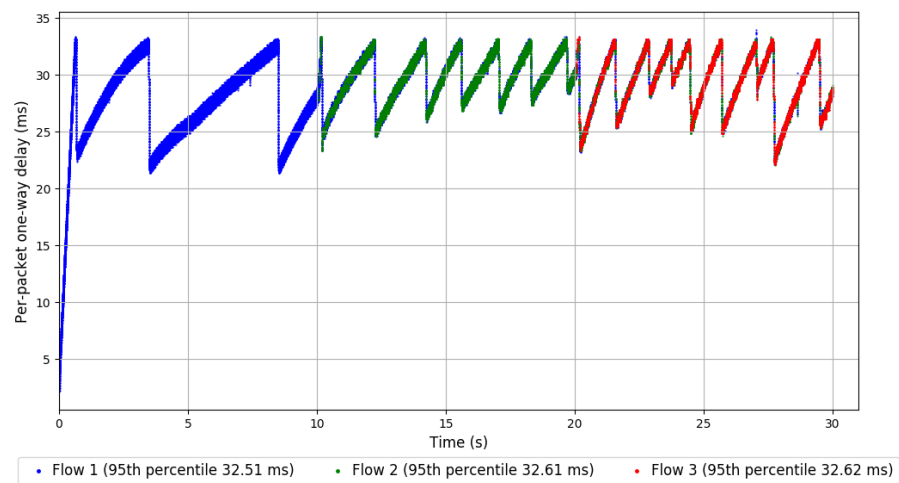
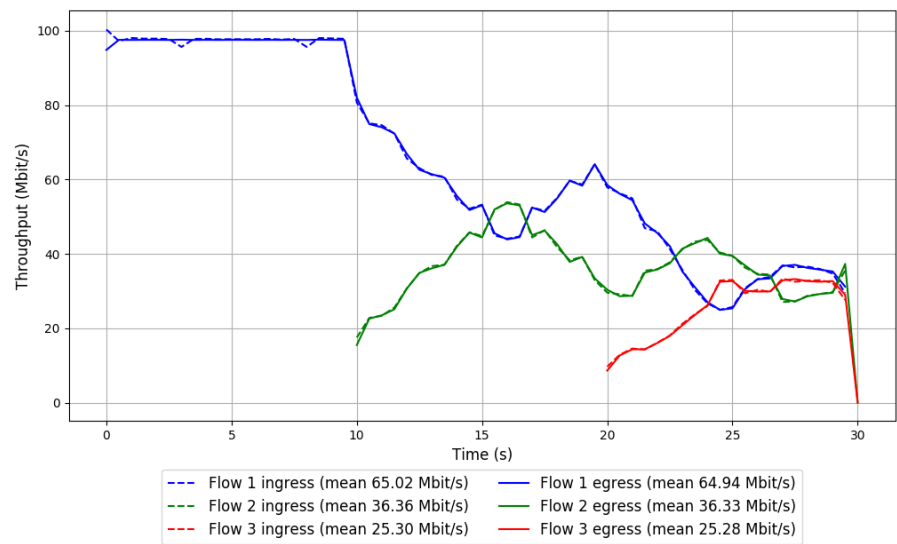


Run 2: Statistics of TCP Cubic

Start at: 2018-02-20 13:39:56
End at: 2018-02-20 13:40:26
Local clock offset: -14.838 ms
Remote clock offset: -12.63 ms

Below is generated by plot.py at 2018-02-20 17:03:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.581 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 32.512 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 32.606 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 32.625 ms
Loss rate: 0.10%

Run 2: Report of TCP Cubic — Data Link

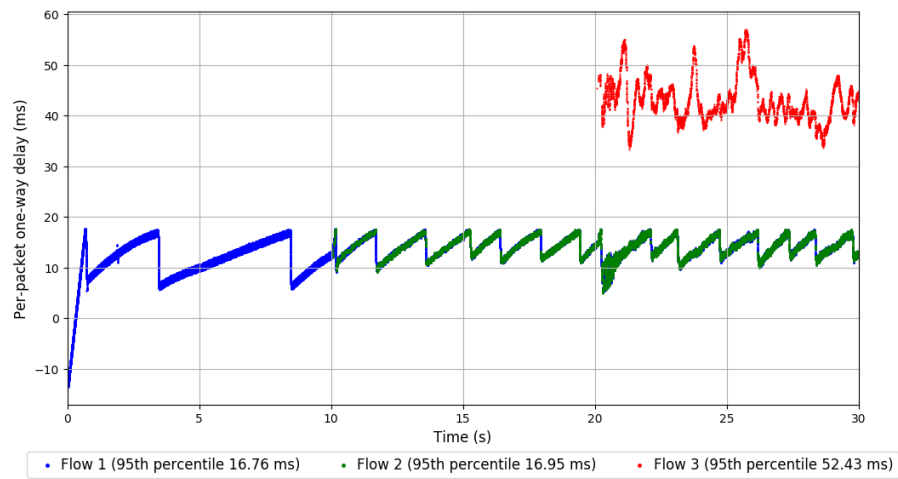
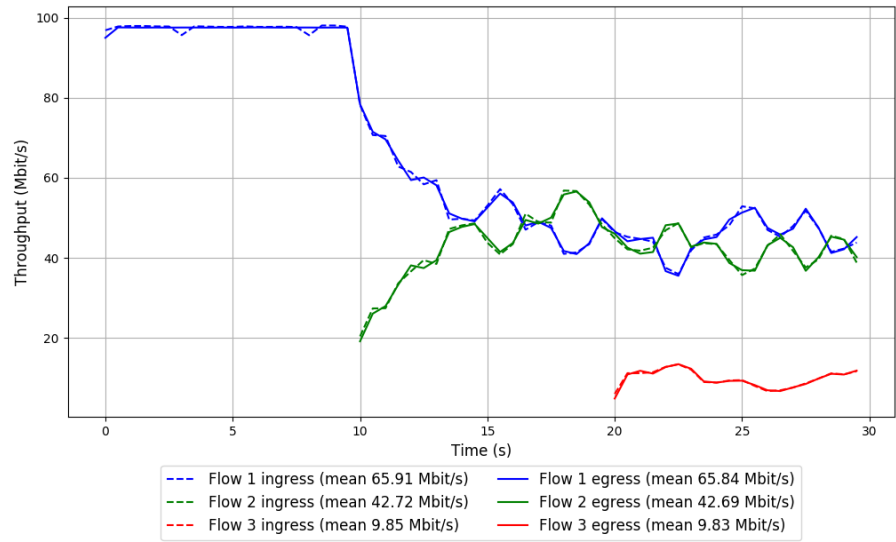


Run 3: Statistics of TCP Cubic

Start at: 2018-02-20 14:00:28
End at: 2018-02-20 14:00:58
Local clock offset: -13.359 ms
Remote clock offset: -28.655 ms

Below is generated by plot.py at 2018-02-20 17:03:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 17.177 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 16.756 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 42.69 Mbit/s
95th percentile per-packet one-way delay: 16.947 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 52.431 ms
Loss rate: 0.48%

Run 3: Report of TCP Cubic — Data Link

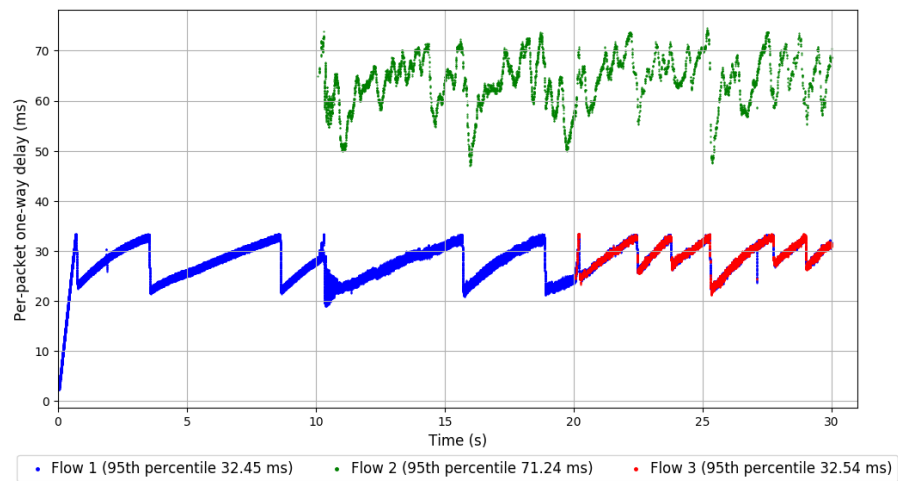
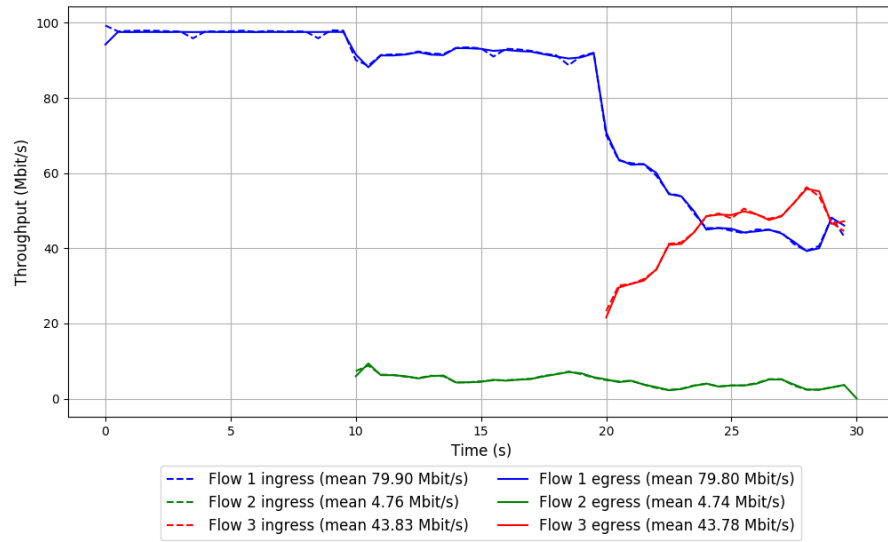


Run 4: Statistics of TCP Cubic

Start at: 2018-02-20 14:21:01
End at: 2018-02-20 14:21:31
Local clock offset: -12.495 ms
Remote clock offset: -12.646 ms

Below is generated by plot.py at 2018-02-20 17:03:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.759 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 32.448 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 71.242 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 43.78 Mbit/s
95th percentile per-packet one-way delay: 32.540 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

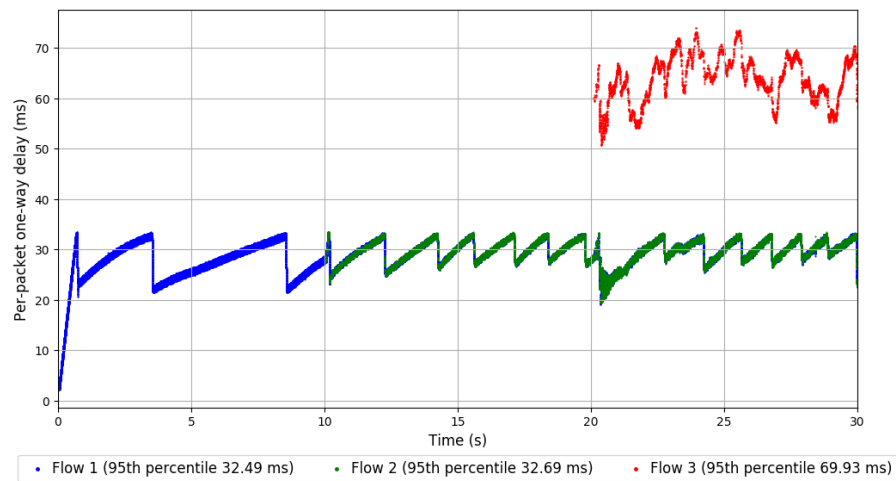
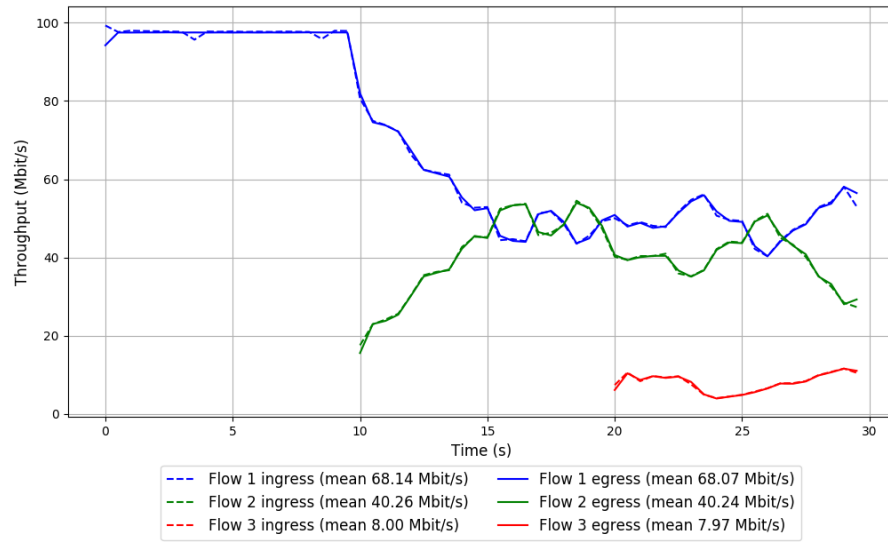


Run 5: Statistics of TCP Cubic

Start at: 2018-02-20 14:41:34
End at: 2018-02-20 14:42:04
Local clock offset: -15.912 ms
Remote clock offset: -12.633 ms

Below is generated by plot.py at 2018-02-20 17:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.762 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 68.07 Mbit/s
95th percentile per-packet one-way delay: 32.487 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: 32.687 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 69.927 ms
Loss rate: 0.69%

Run 5: Report of TCP Cubic — Data Link

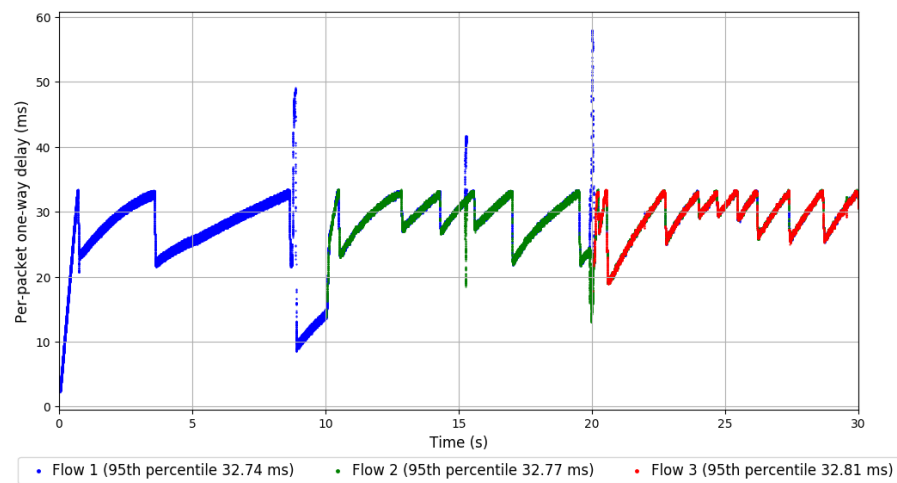
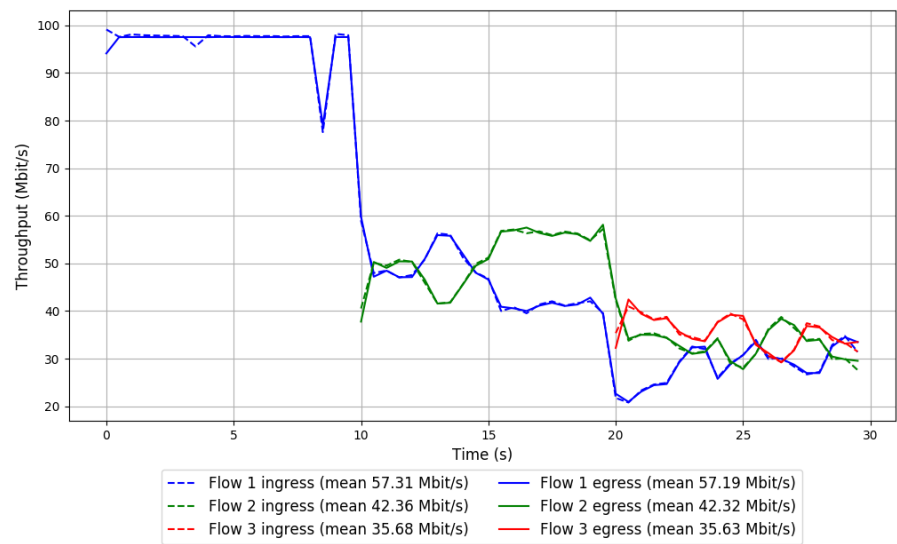


Run 6: Statistics of TCP Cubic

Start at: 2018-02-20 15:02:05
End at: 2018-02-20 15:02:35
Local clock offset: -16.907 ms
Remote clock offset: -12.782 ms

Below is generated by plot.py at 2018-02-20 17:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 32.768 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 57.19 Mbit/s
95th percentile per-packet one-way delay: 32.741 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 42.32 Mbit/s
95th percentile per-packet one-way delay: 32.775 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 32.813 ms
Loss rate: 0.03%

Run 6: Report of TCP Cubic — Data Link

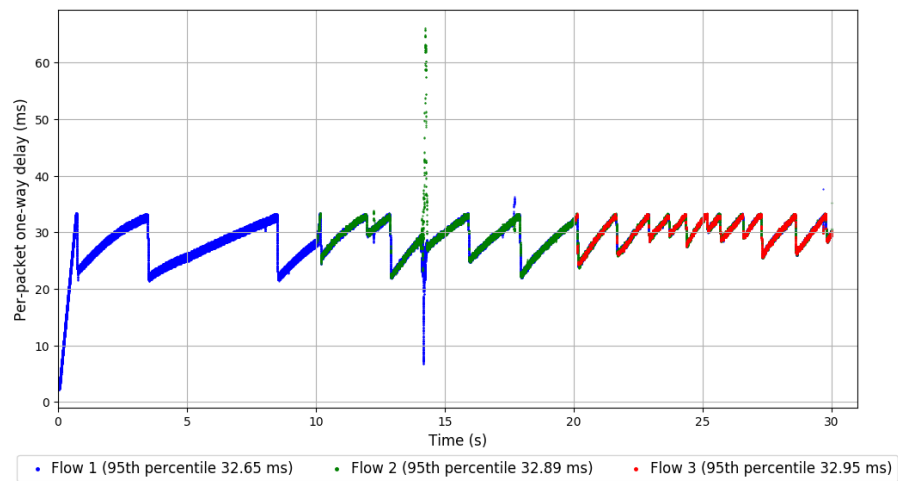
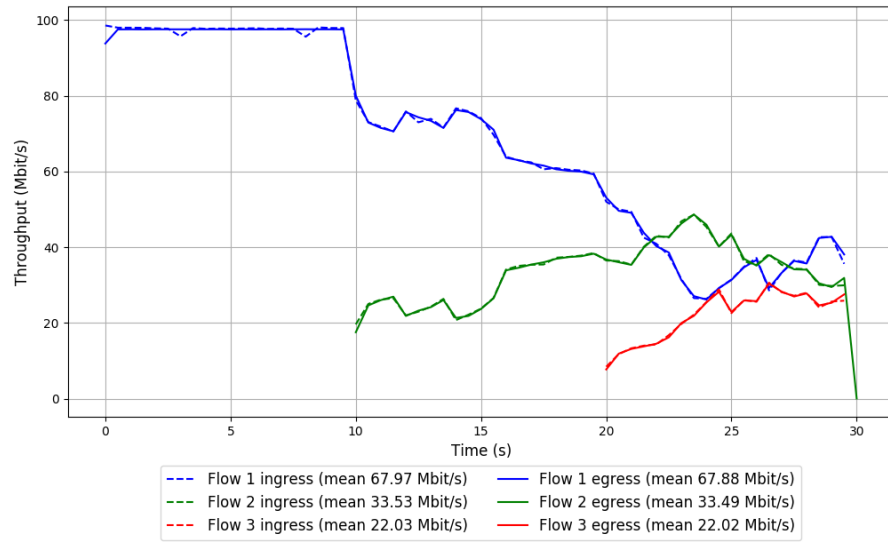


Run 7: Statistics of TCP Cubic

Start at: 2018-02-20 15:22:36
End at: 2018-02-20 15:23:06
Local clock offset: -17.462 ms
Remote clock offset: -13.094 ms

Below is generated by plot.py at 2018-02-20 17:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 32.705 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 32.652 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 33.49 Mbit/s
95th percentile per-packet one-way delay: 32.893 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 22.02 Mbit/s
95th percentile per-packet one-way delay: 32.946 ms
Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link

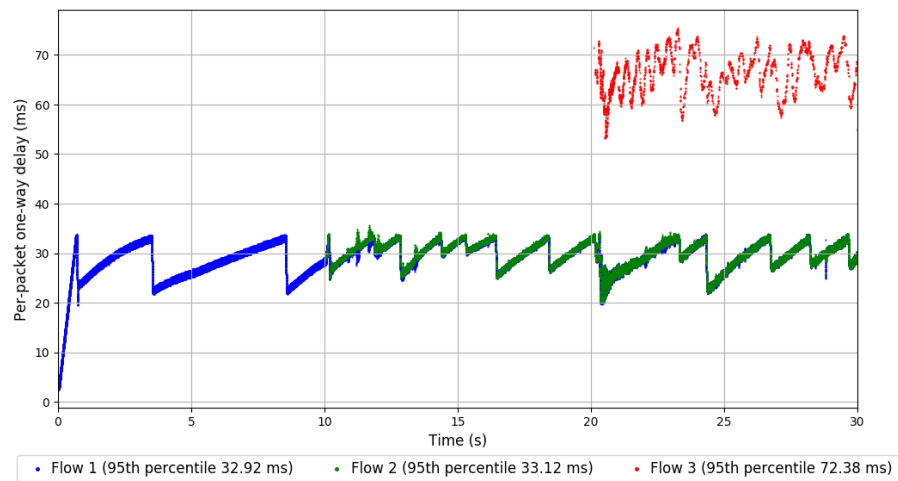
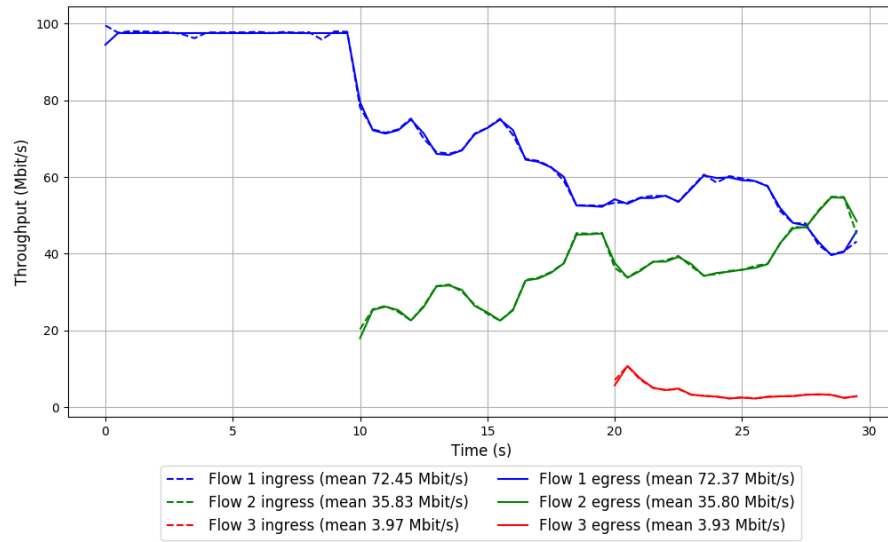


Run 8: Statistics of TCP Cubic

Start at: 2018-02-20 15:43:07
End at: 2018-02-20 15:43:37
Local clock offset: -6.52 ms
Remote clock offset: -13.323 ms

Below is generated by plot.py at 2018-02-20 17:04:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 33.093 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 72.37 Mbit/s
95th percentile per-packet one-way delay: 32.919 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 33.118 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 72.384 ms
Loss rate: 1.31%

Run 8: Report of TCP Cubic — Data Link

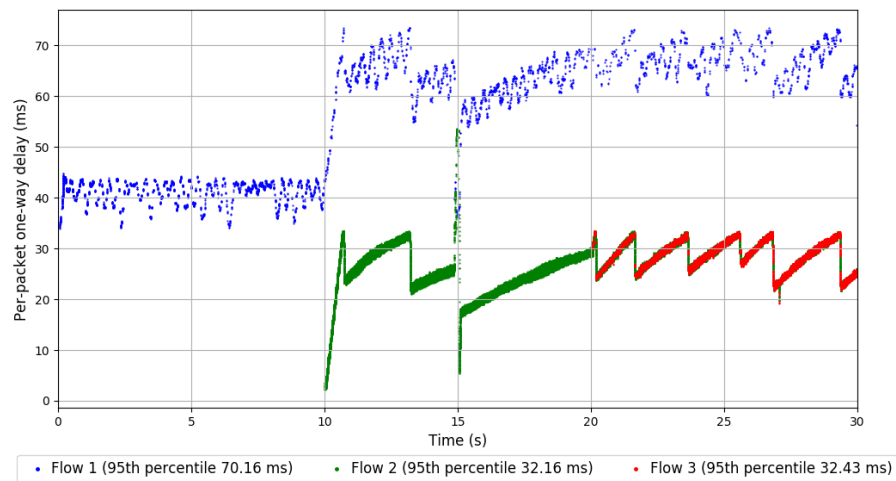
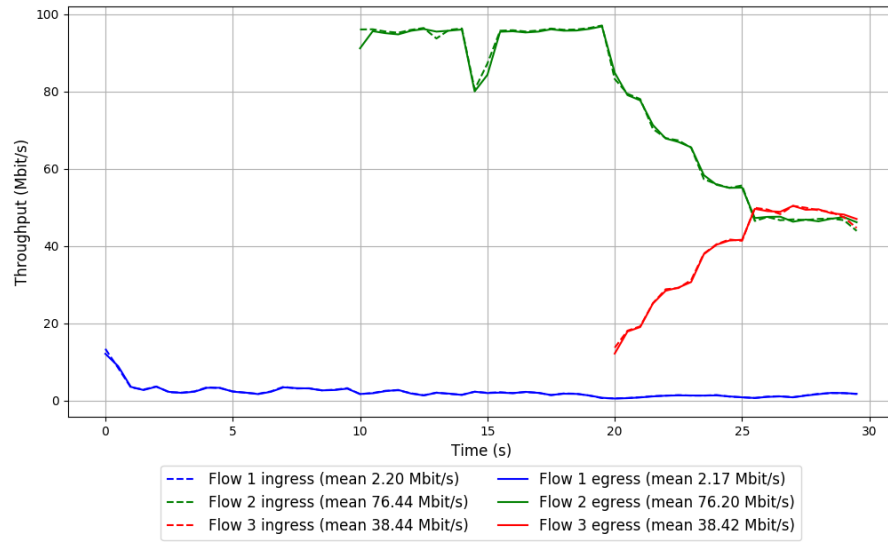


Run 9: Statistics of TCP Cubic

Start at: 2018-02-20 16:03:37
End at: 2018-02-20 16:04:07
Local clock offset: -0.134 ms
Remote clock offset: -5.931 ms

Below is generated by plot.py at 2018-02-20 17:04:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.73 Mbit/s
95th percentile per-packet one-way delay: 32.669 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 70.161 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 32.160 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 38.42 Mbit/s
95th percentile per-packet one-way delay: 32.430 ms
Loss rate: 0.08%

Run 9: Report of TCP Cubic — Data Link

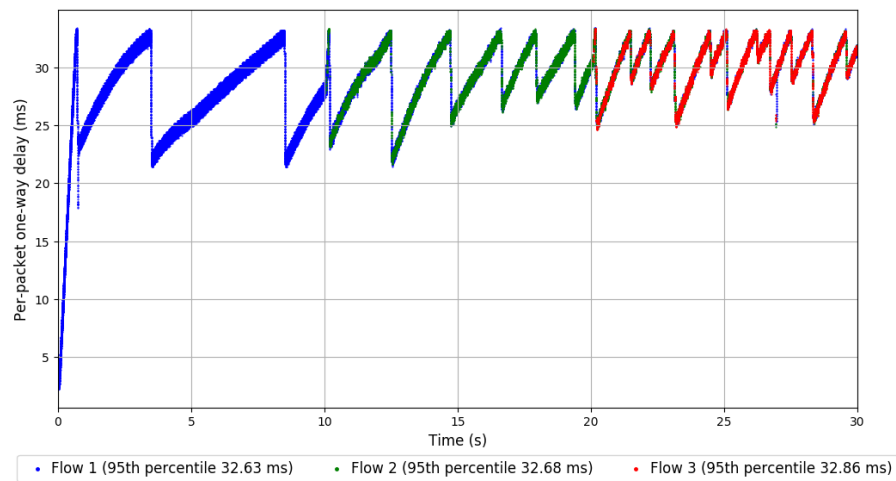
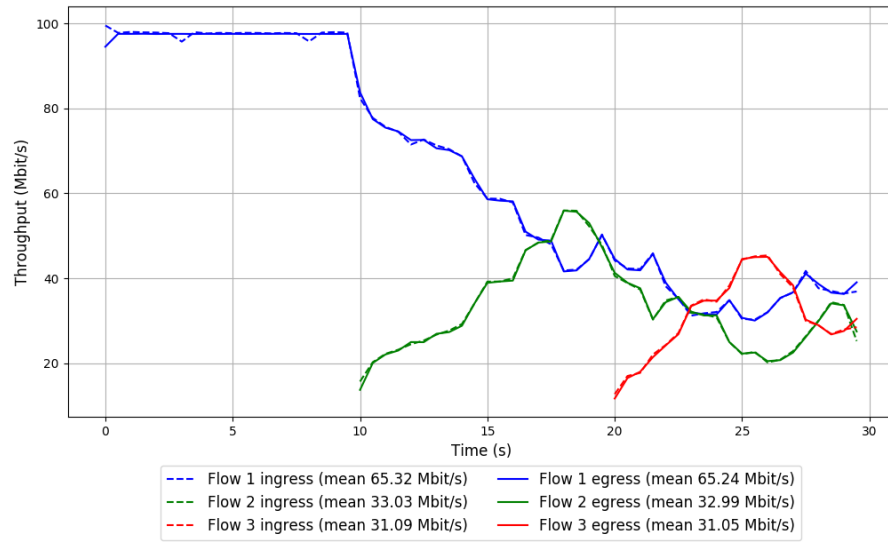


Run 10: Statistics of TCP Cubic

Start at: 2018-02-20 16:24:08
End at: 2018-02-20 16:24:38
Local clock offset: -2.275 ms
Remote clock offset: -1.564 ms

Below is generated by plot.py at 2018-02-20 17:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.658 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 32.627 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 32.682 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 32.860 ms
Loss rate: 0.09%

Run 10: Report of TCP Cubic — Data Link

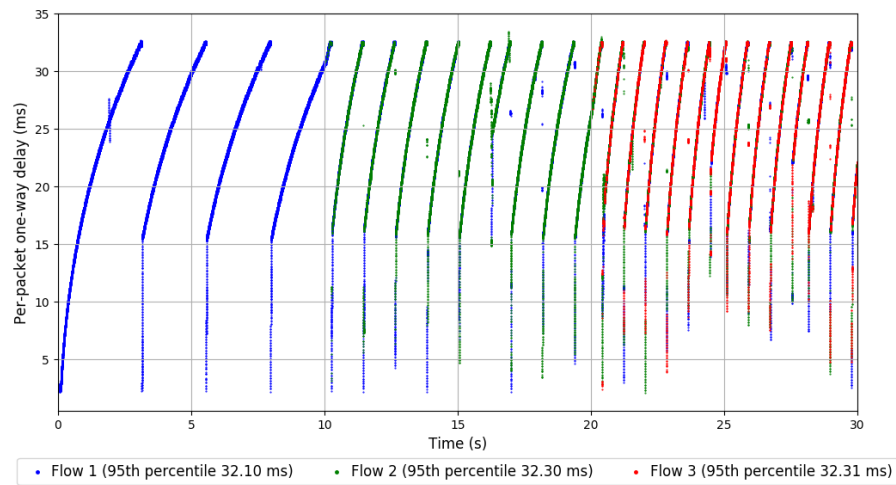
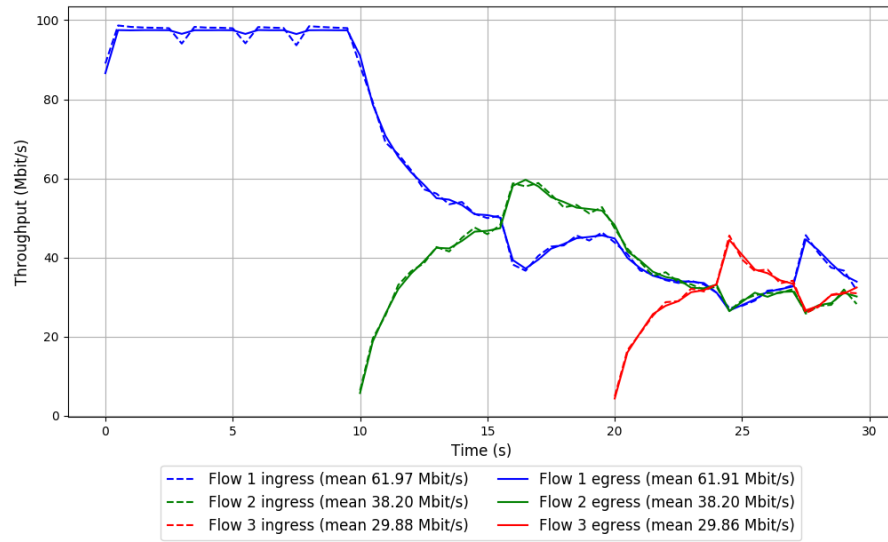


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-20 13:22:47
End at: 2018-02-20 13:23:17
Local clock offset: -14.16 ms
Remote clock offset: -12.342 ms

# Below is generated by plot.py at 2018-02-20 17:04:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 32.160 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.91 Mbit/s
95th percentile per-packet one-way delay: 32.098 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 32.299 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.86 Mbit/s
95th percentile per-packet one-way delay: 32.309 ms
Loss rate: 0.11%
```


Run 1: Report of LEDBAT — Data Link

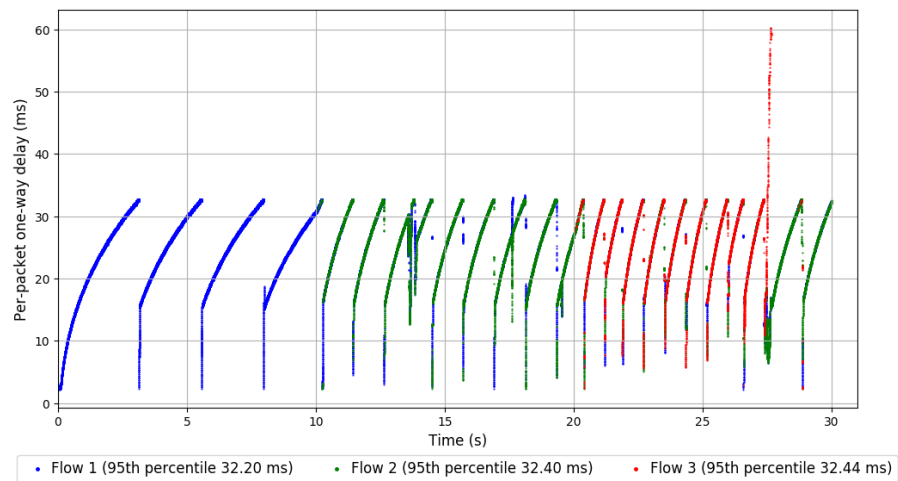
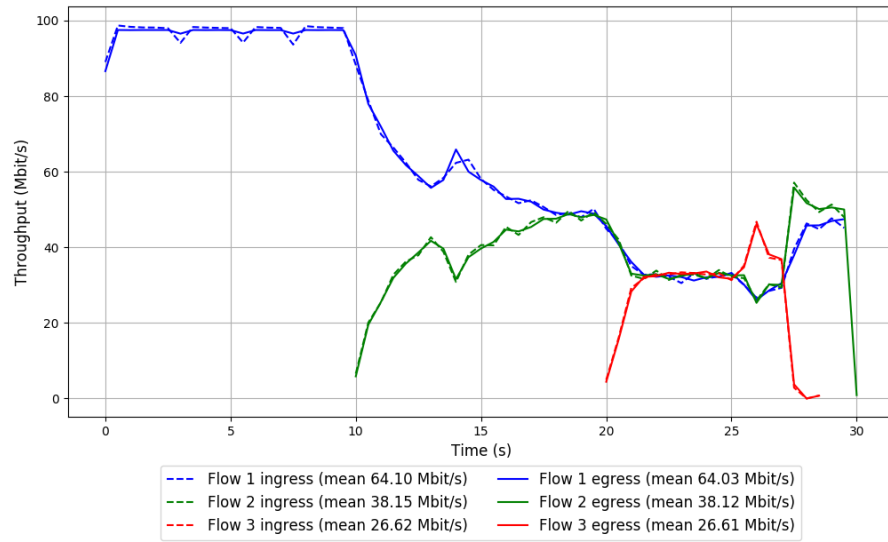


Run 2: Statistics of LEDBAT

Start at: 2018-02-20 13:43:19
End at: 2018-02-20 13:43:49
Local clock offset: -14.898 ms
Remote clock offset: -12.588 ms

Below is generated by plot.py at 2018-02-20 17:04:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 32.232 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.03 Mbit/s
95th percentile per-packet one-way delay: 32.196 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 32.400 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 26.61 Mbit/s
95th percentile per-packet one-way delay: 32.440 ms
Loss rate: 0.23%

Run 2: Report of LEDBAT — Data Link

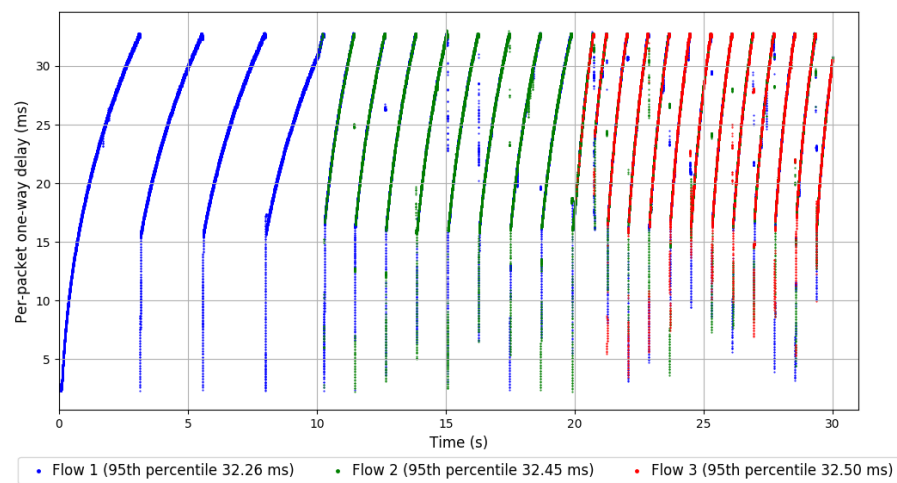
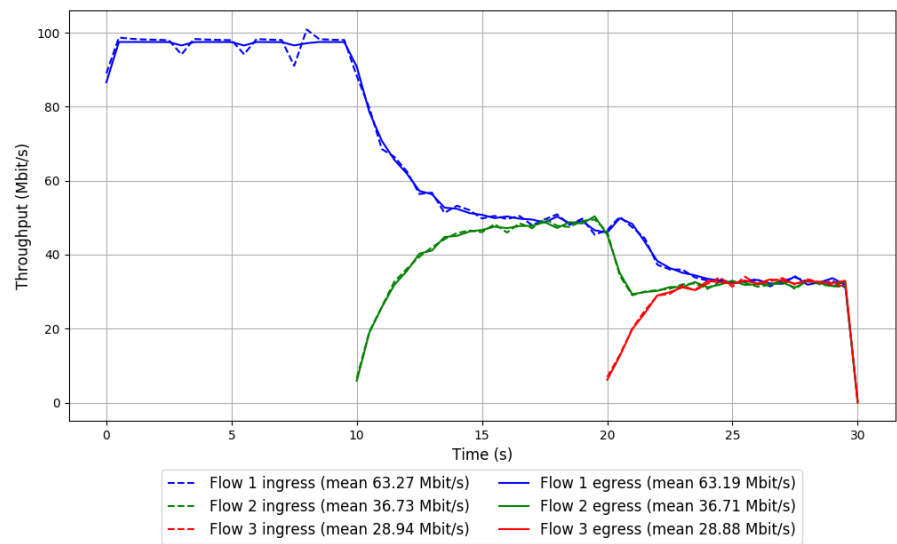


Run 3: Statistics of LEDBAT

Start at: 2018-02-20 14:03:51
End at: 2018-02-20 14:04:21
Local clock offset: -13.069 ms
Remote clock offset: -12.769 ms

Below is generated by plot.py at 2018-02-20 17:04:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 32.294 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 32.257 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 32.451 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 28.88 Mbit/s
95th percentile per-packet one-way delay: 32.503 ms
Loss rate: 0.10%

Run 3: Report of LEDBAT — Data Link

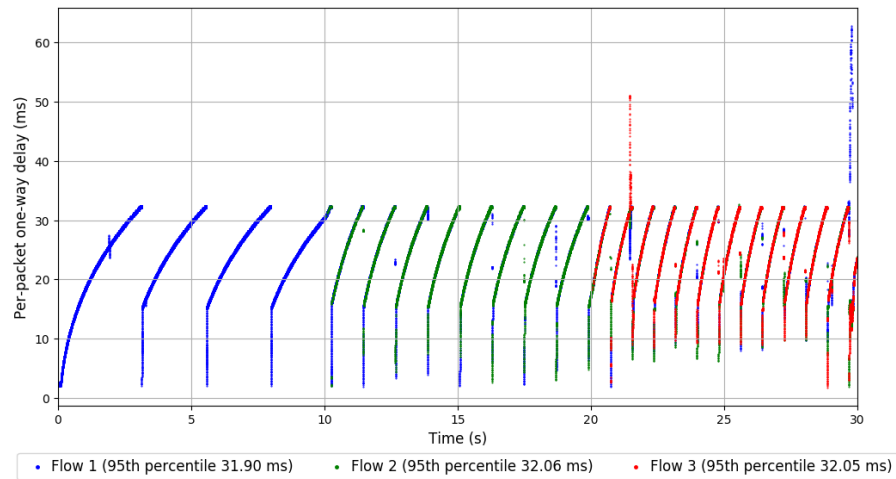
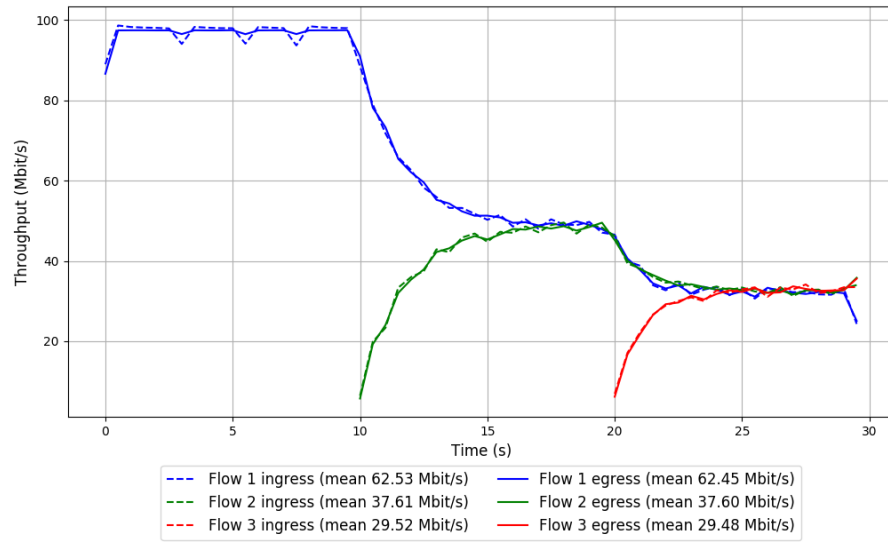


Run 4: Statistics of LEDBAT

Start at: 2018-02-20 14:24:24
End at: 2018-02-20 14:24:54
Local clock offset: -13.09 ms
Remote clock offset: -12.704 ms

Below is generated by plot.py at 2018-02-20 17:04:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 31.948 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 31.899 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 32.056 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 32.051 ms
Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link

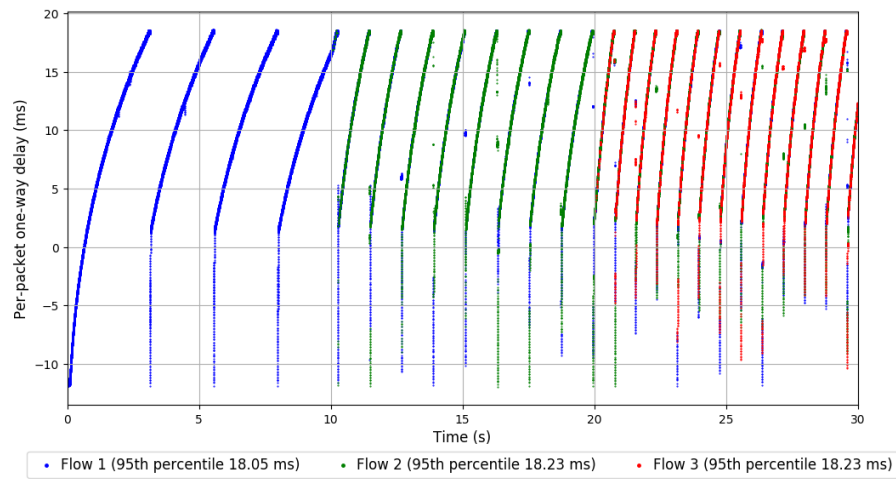
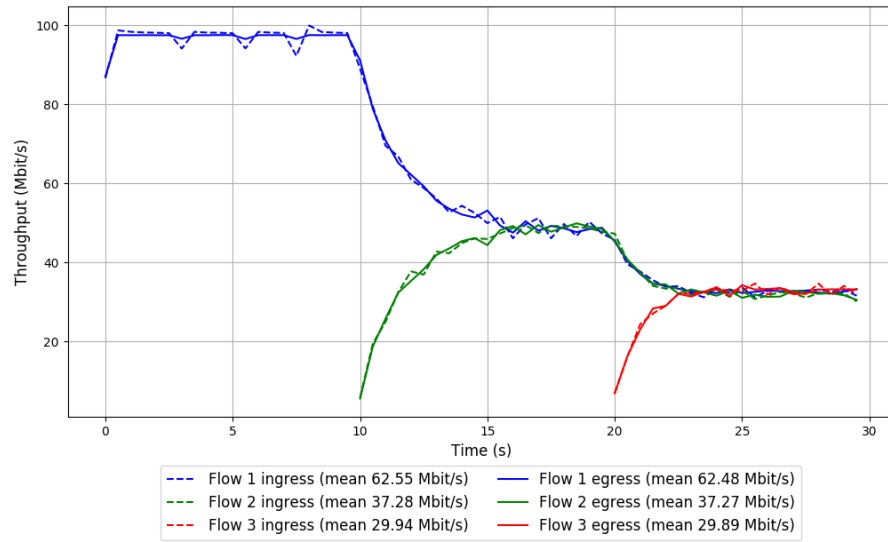


Run 5: Statistics of LEDBAT

Start at: 2018-02-20 14:44:57
End at: 2018-02-20 14:45:27
Local clock offset: -16.157 ms
Remote clock offset: -26.833 ms

Below is generated by plot.py at 2018-02-20 17:05:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 18.079 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.48 Mbit/s
95th percentile per-packet one-way delay: 18.047 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 18.234 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 18.232 ms
Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

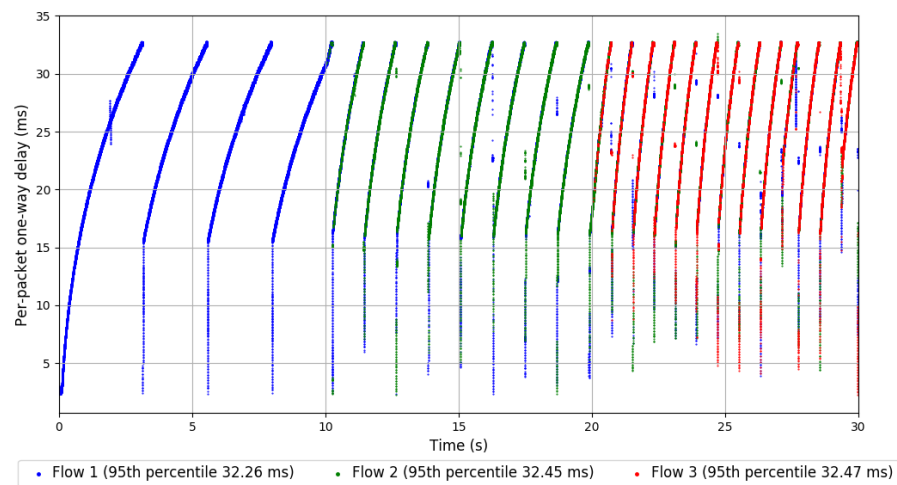
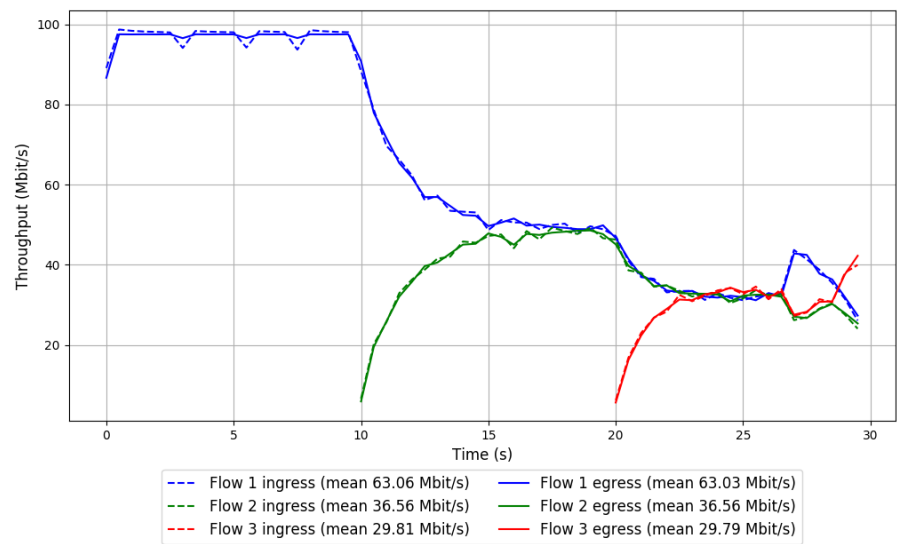


Run 6: Statistics of LEDBAT

Start at: 2018-02-20 15:05:28
End at: 2018-02-20 15:05:58
Local clock offset: -17.026 ms
Remote clock offset: -12.829 ms

Below is generated by plot.py at 2018-02-20 17:05:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 32.305 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 32.264 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 32.447 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 32.472 ms
Loss rate: 0.09%

Run 6: Report of LEDBAT — Data Link

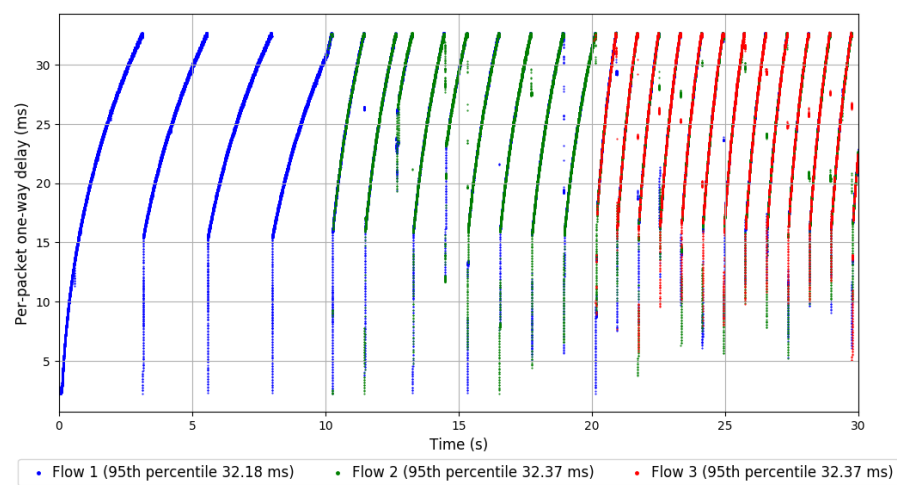
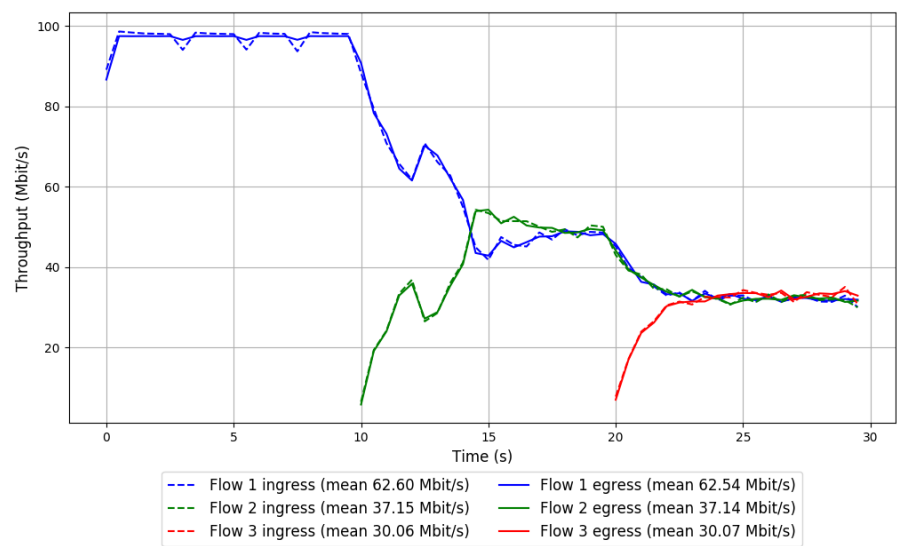


Run 7: Statistics of LEDBAT

Start at: 2018-02-20 15:25:59
End at: 2018-02-20 15:26:29
Local clock offset: -17.561 ms
Remote clock offset: -13.144 ms

Below is generated by plot.py at 2018-02-20 17:05:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 32.213 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.54 Mbit/s
95th percentile per-packet one-way delay: 32.177 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.14 Mbit/s
95th percentile per-packet one-way delay: 32.372 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 32.372 ms
Loss rate: 0.07%

Run 7: Report of LEDBAT — Data Link

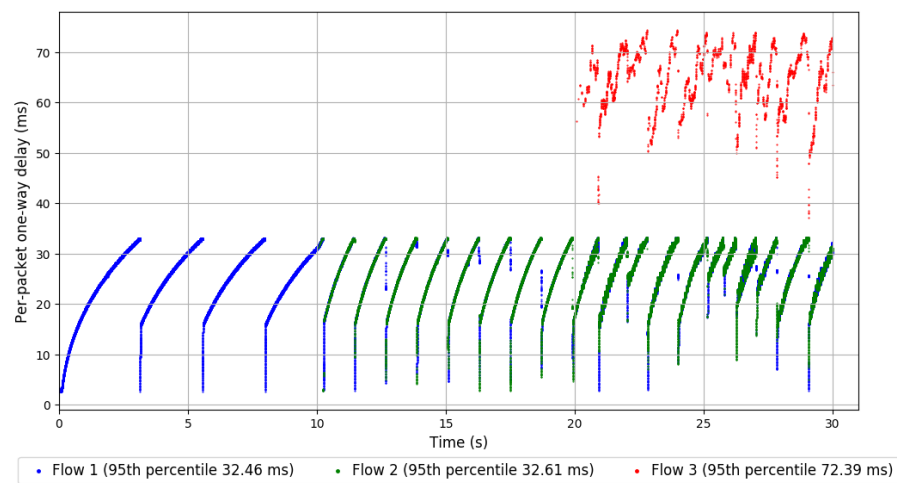
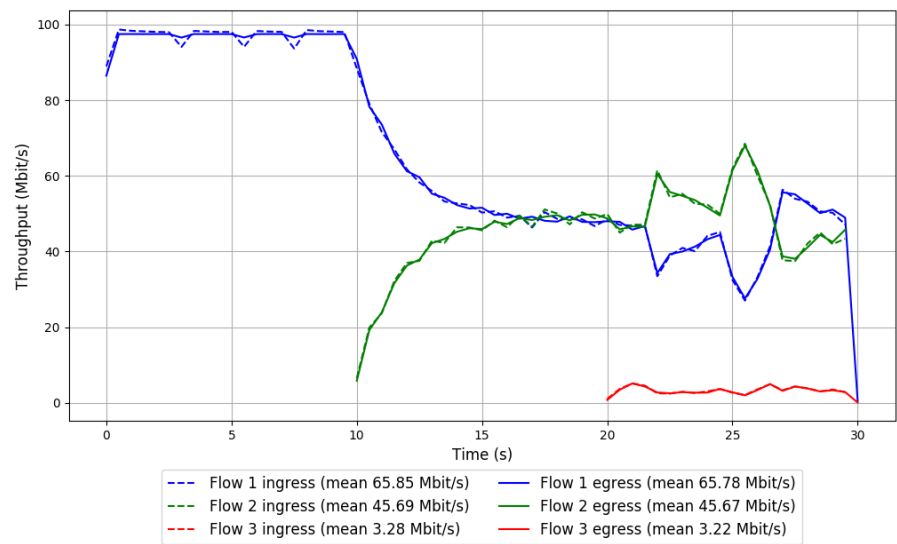


Run 8: Statistics of LEDBAT

Start at: 2018-02-20 15:46:30
End at: 2018-02-20 15:47:00
Local clock offset: -5.083 ms
Remote clock offset: -13.369 ms

Below is generated by plot.py at 2018-02-20 17:05:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 32.641 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.78 Mbit/s
95th percentile per-packet one-way delay: 32.459 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 32.610 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 72.386 ms
Loss rate: 1.91%

Run 8: Report of LEDBAT — Data Link

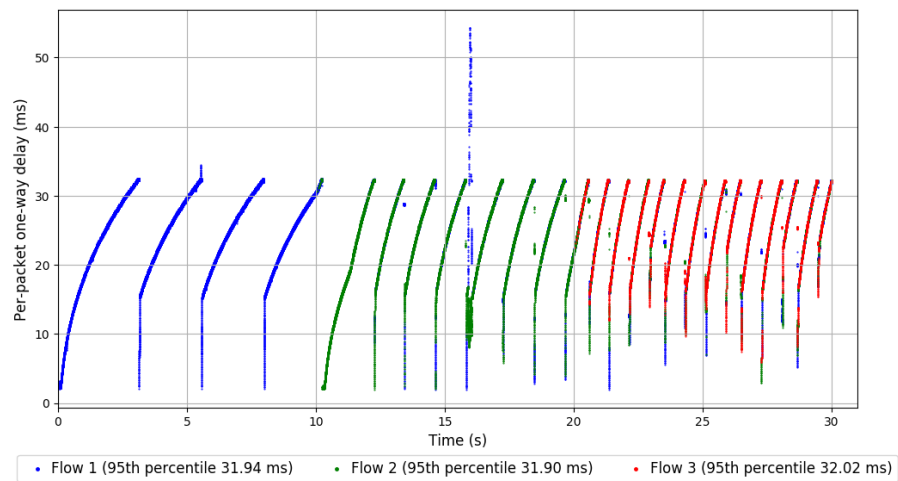
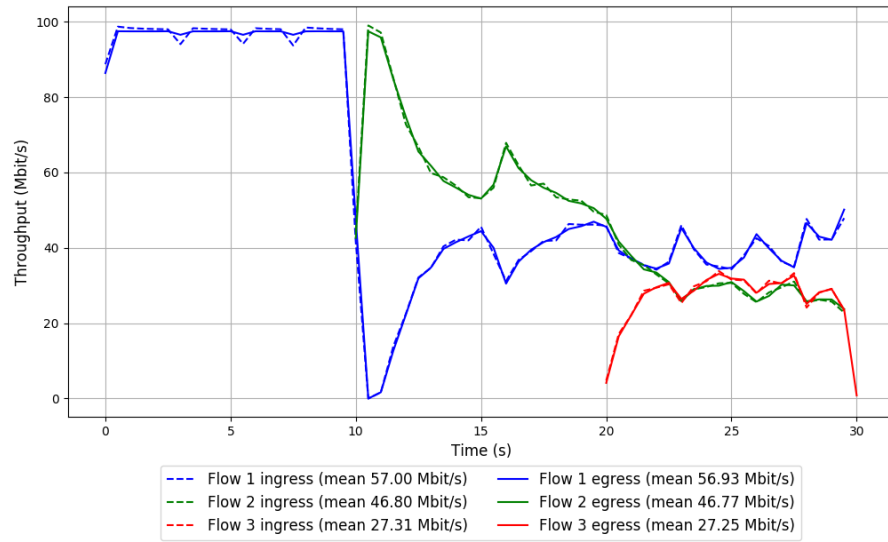


Run 9: Statistics of LEDBAT

Start at: 2018-02-20 16:06:59
End at: 2018-02-20 16:07:29
Local clock offset: -0.698 ms
Remote clock offset: -4.872 ms

Below is generated by plot.py at 2018-02-20 17:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 31.955 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 31.942 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 31.900 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 27.25 Mbit/s
95th percentile per-packet one-way delay: 32.020 ms
Loss rate: 0.11%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-02-20 16:27:32

End at: 2018-02-20 16:28:02

Local clock offset: -2.077 ms

Remote clock offset: 2.524 ms

Below is generated by plot.py at 2018-02-20 17:05:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 31.824 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.72 Mbit/s

95th percentile per-packet one-way delay: 31.828 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.93 Mbit/s

95th percentile per-packet one-way delay: 31.831 ms

Loss rate: 0.06%

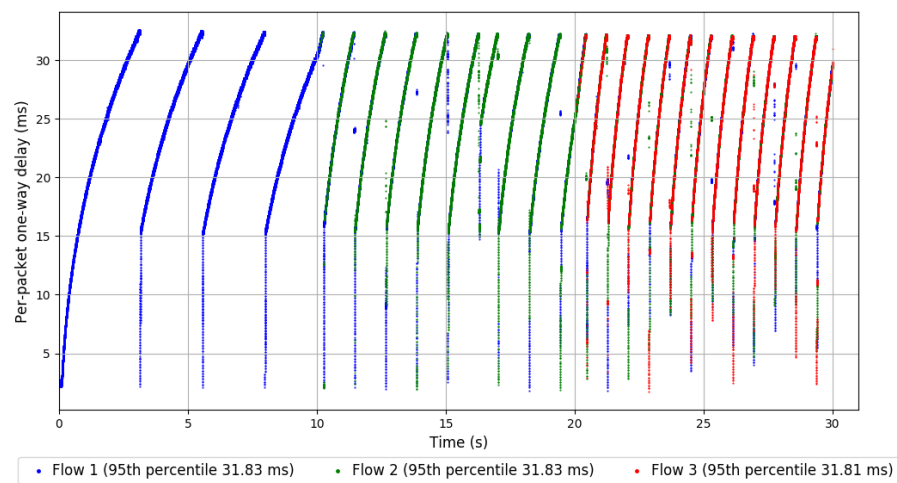
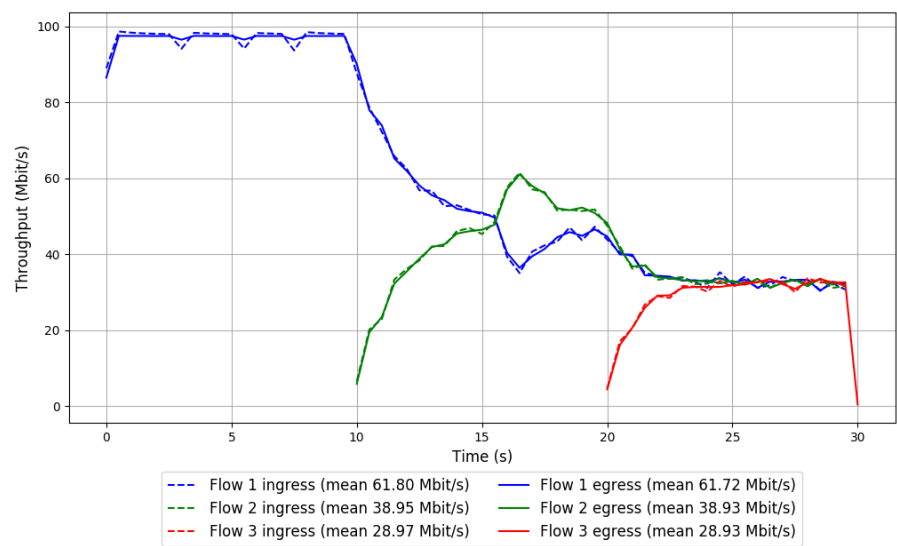
-- Flow 3:

Average throughput: 28.93 Mbit/s

95th percentile per-packet one-way delay: 31.806 ms

Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

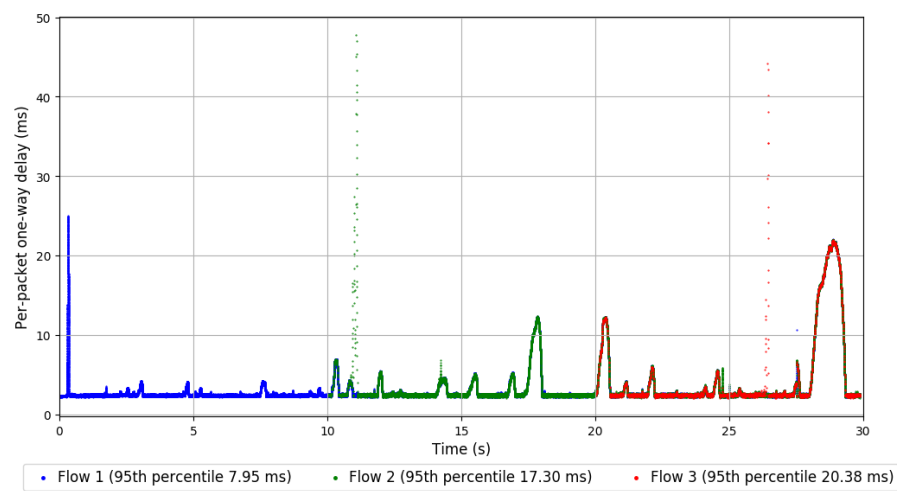
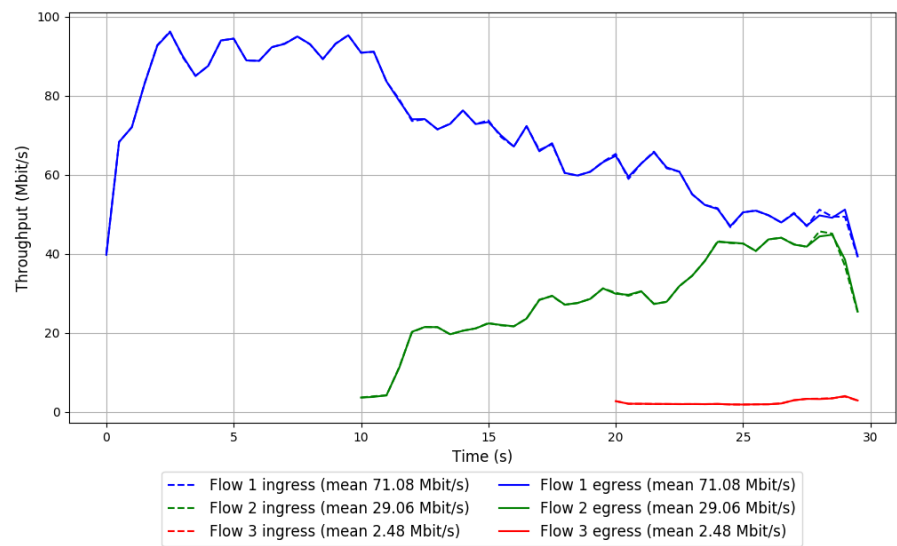


```
Run 1: Statistics of PCC

Start at: 2018-02-20 13:17:08
End at: 2018-02-20 13:17:38
Local clock offset: -13.621 ms
Remote clock offset: -12.28 ms

# Below is generated by plot.py at 2018-02-20 17:05:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 11.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.08 Mbit/s
95th percentile per-packet one-way delay: 7.945 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 17.305 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 20.382 ms
Loss rate: 0.00%
```

Run 1: Report of PCC — Data Link

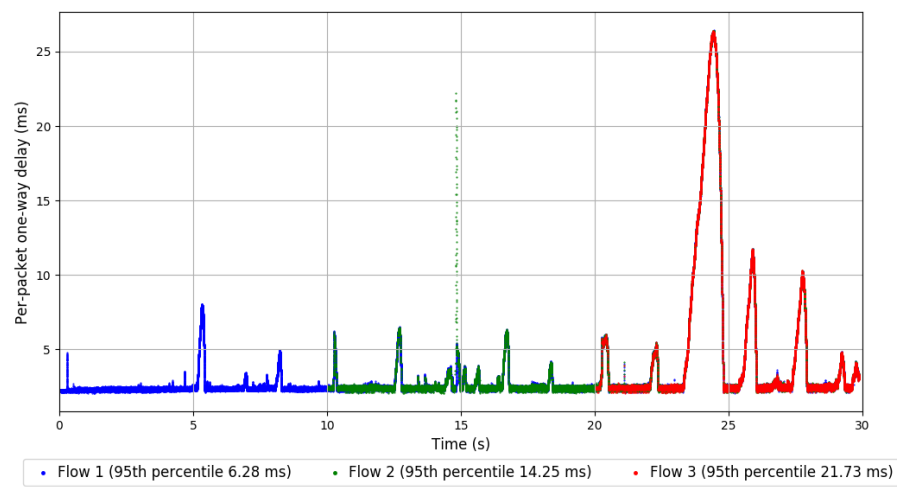
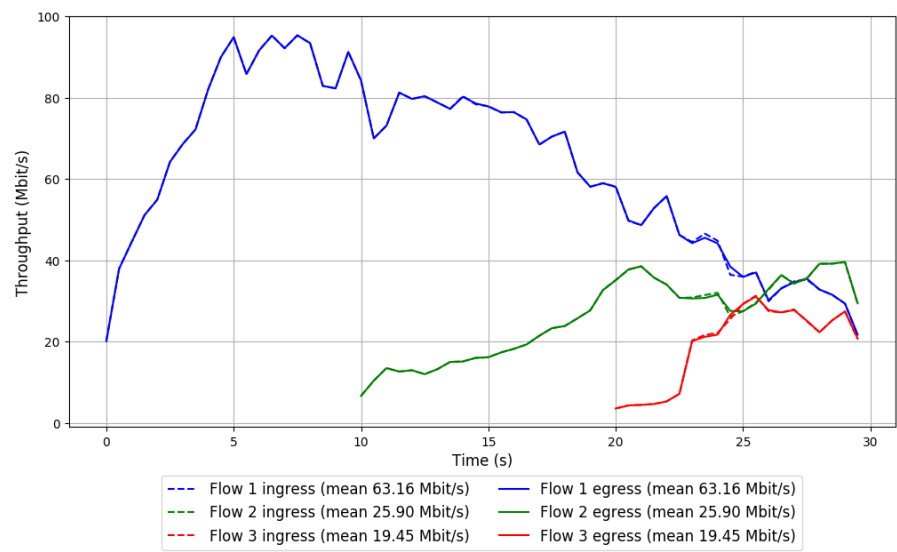


Run 2: Statistics of PCC

Start at: 2018-02-20 13:37:41
End at: 2018-02-20 13:38:11
Local clock offset: -14.798 ms
Remote clock offset: -12.493 ms

Below is generated by plot.py at 2018-02-20 17:05:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 9.700 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 6.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 14.249 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.45 Mbit/s
95th percentile per-packet one-way delay: 21.731 ms
Loss rate: 0.00%

Run 2: Report of PCC — Data Link

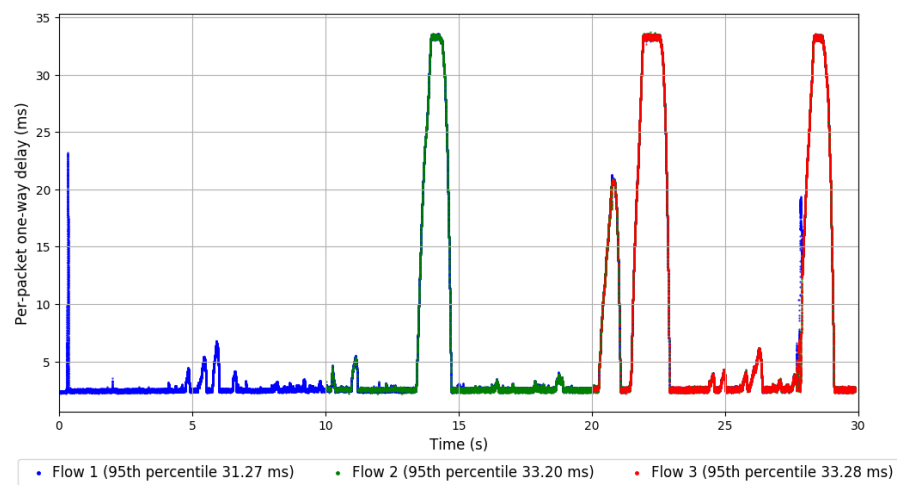
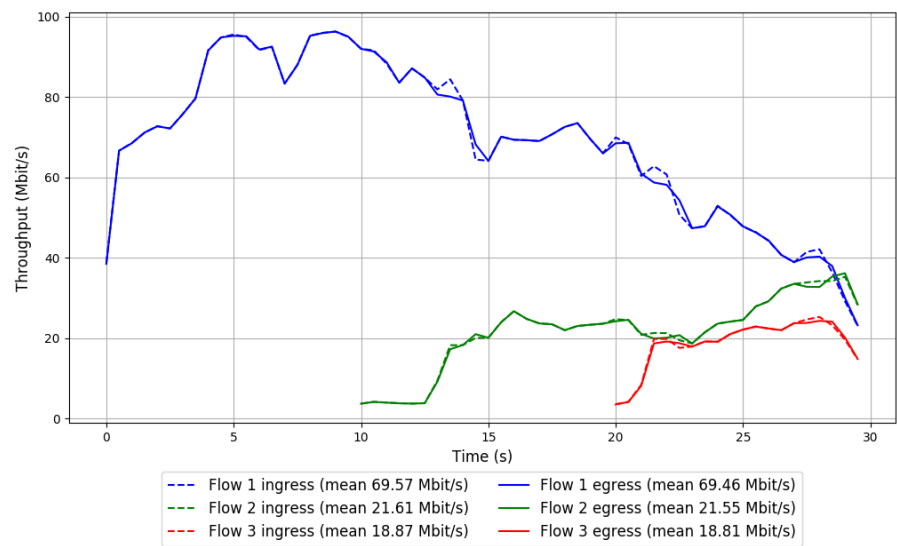


Run 3: Statistics of PCC

Start at: 2018-02-20 13:58:13
End at: 2018-02-20 13:58:43
Local clock offset: -13.493 ms
Remote clock offset: -12.761 ms

Below is generated by plot.py at 2018-02-20 17:06:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 32.962 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 31.266 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 33.202 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 18.81 Mbit/s
95th percentile per-packet one-way delay: 33.281 ms
Loss rate: 0.35%

Run 3: Report of PCC — Data Link

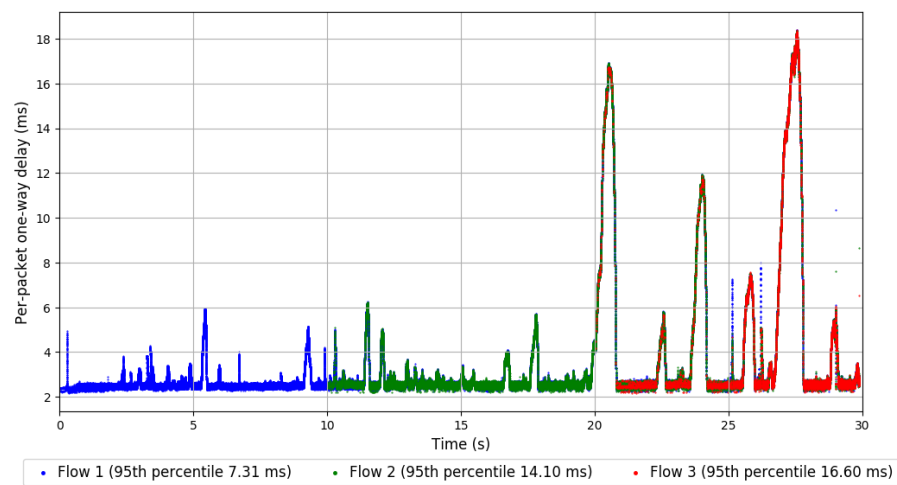
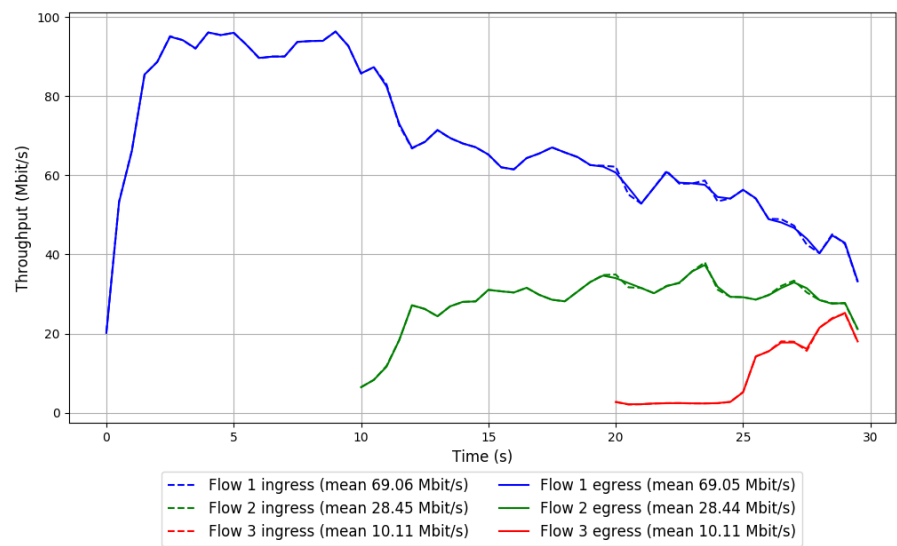


Run 4: Statistics of PCC

Start at: 2018-02-20 14:18:46
End at: 2018-02-20 14:19:16
Local clock offset: -12.572 ms
Remote clock offset: -12.654 ms

Below is generated by plot.py at 2018-02-20 17:07:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 10.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.05 Mbit/s
95th percentile per-packet one-way delay: 7.307 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 14.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 16.602 ms
Loss rate: 0.00%

Run 4: Report of PCC — Data Link

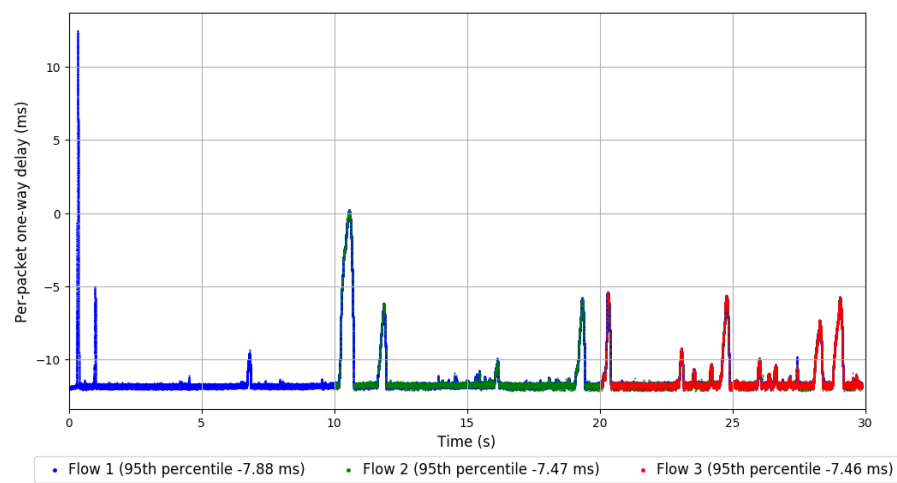
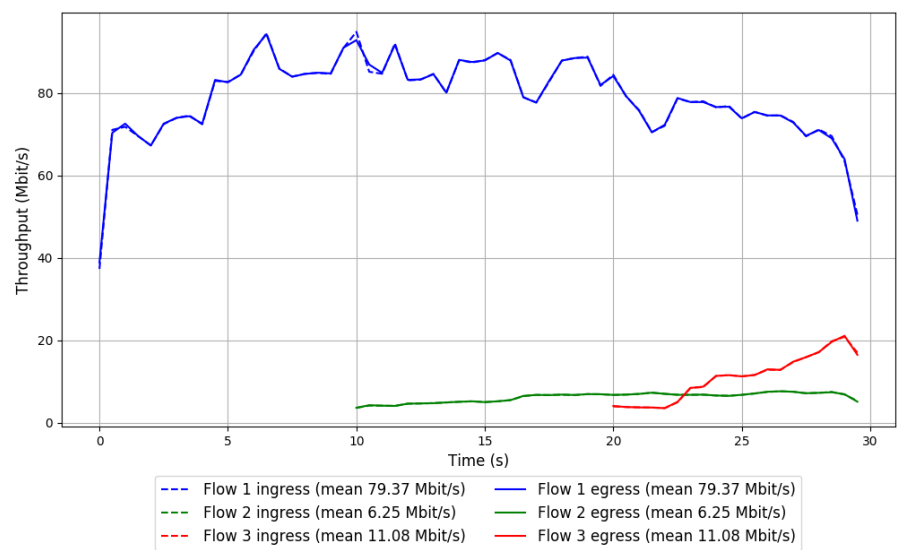


Run 5: Statistics of PCC

Start at: 2018-02-20 14:39:19
End at: 2018-02-20 14:39:49
Local clock offset: -15.75 ms
Remote clock offset: -26.851 ms

Below is generated by plot.py at 2018-02-20 17:07:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: -7.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: -7.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: -7.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: -7.465 ms
Loss rate: 0.00%

Run 5: Report of PCC — Data Link

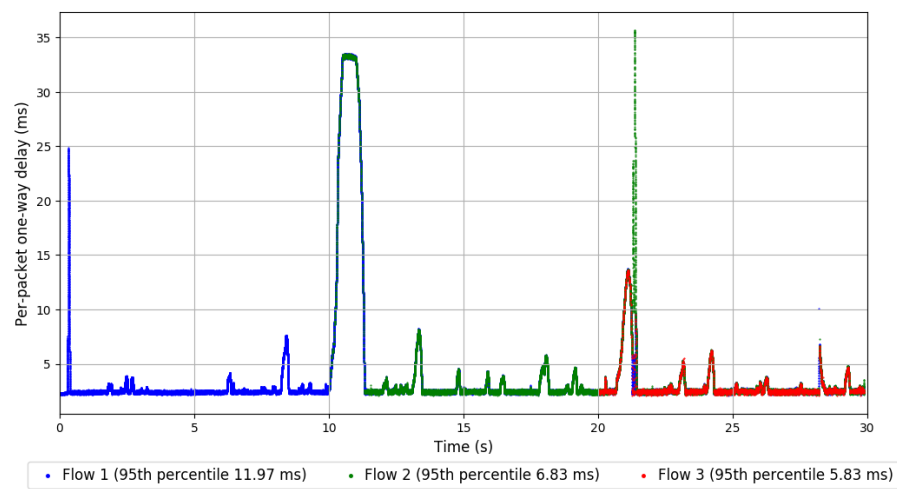
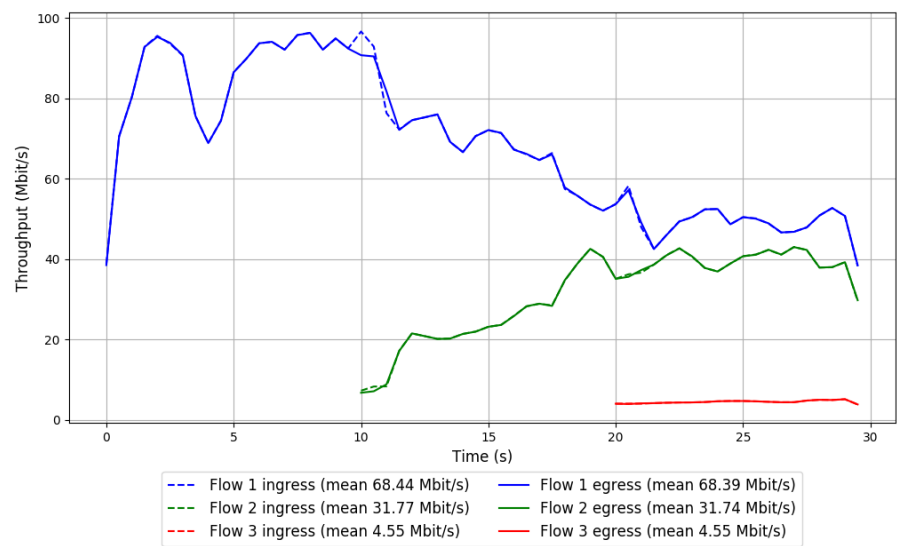


Run 6: Statistics of PCC

Start at: 2018-02-20 14:59:49
End at: 2018-02-20 15:00:19
Local clock offset: -16.752 ms
Remote clock offset: -12.753 ms

Below is generated by plot.py at 2018-02-20 17:07:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 9.984 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 11.971 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 6.826 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 5.829 ms
Loss rate: 0.00%

Run 6: Report of PCC — Data Link

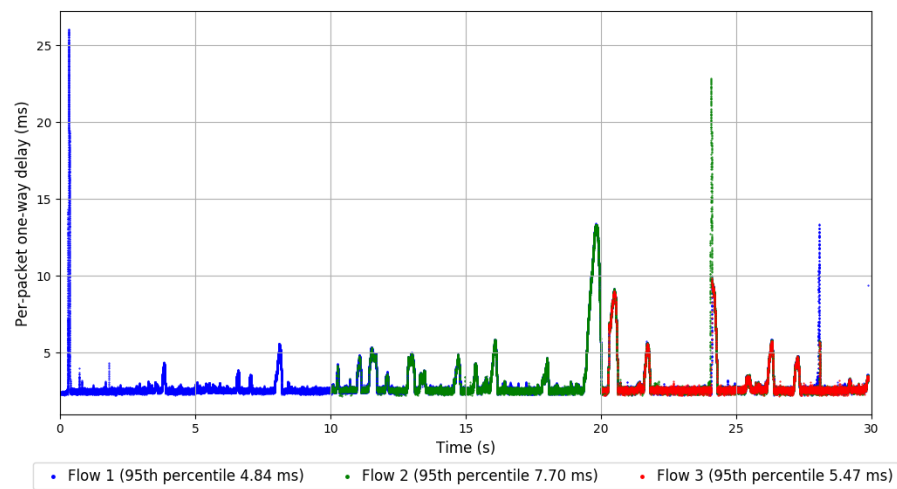
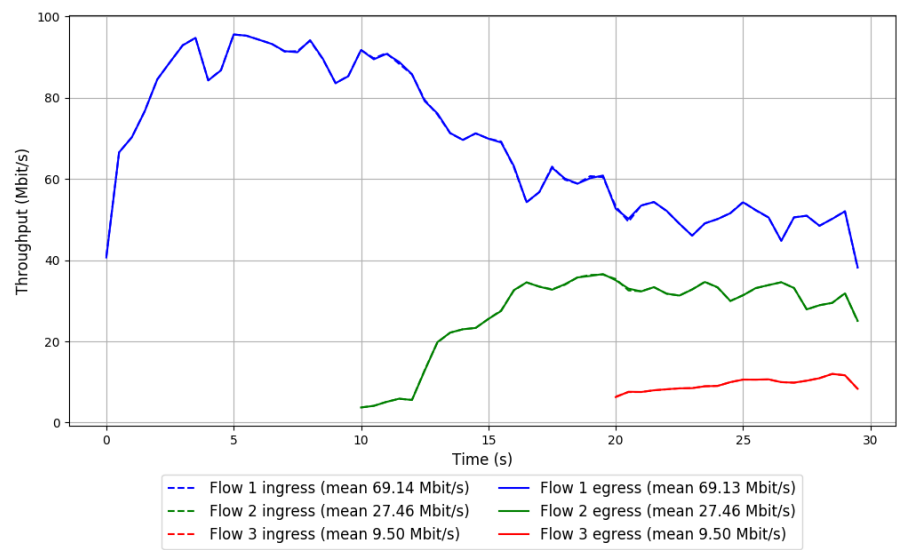


Run 7: Statistics of PCC

Start at: 2018-02-20 15:20:21
End at: 2018-02-20 15:20:51
Local clock offset: -17.474 ms
Remote clock offset: -13.08 ms

Below is generated by plot.py at 2018-02-20 17:07:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.51 Mbit/s
95th percentile per-packet one-way delay: 5.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.13 Mbit/s
95th percentile per-packet one-way delay: 4.837 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 7.698 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 5.473 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

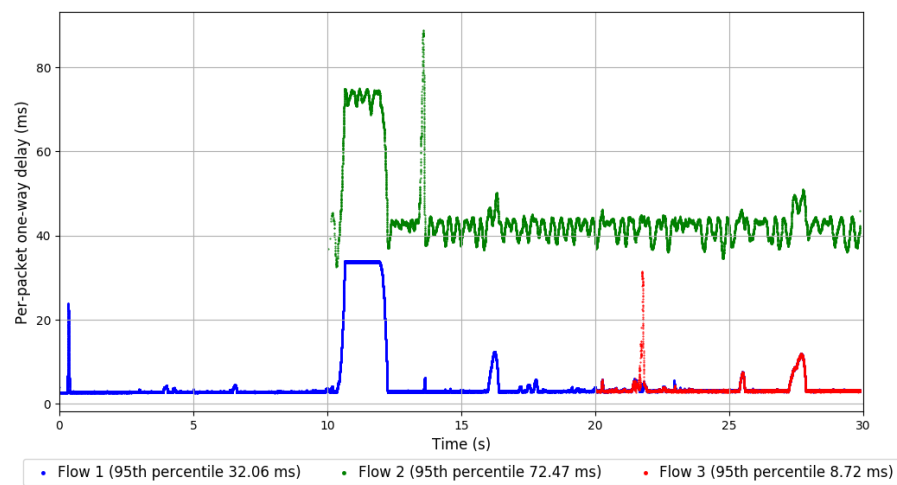
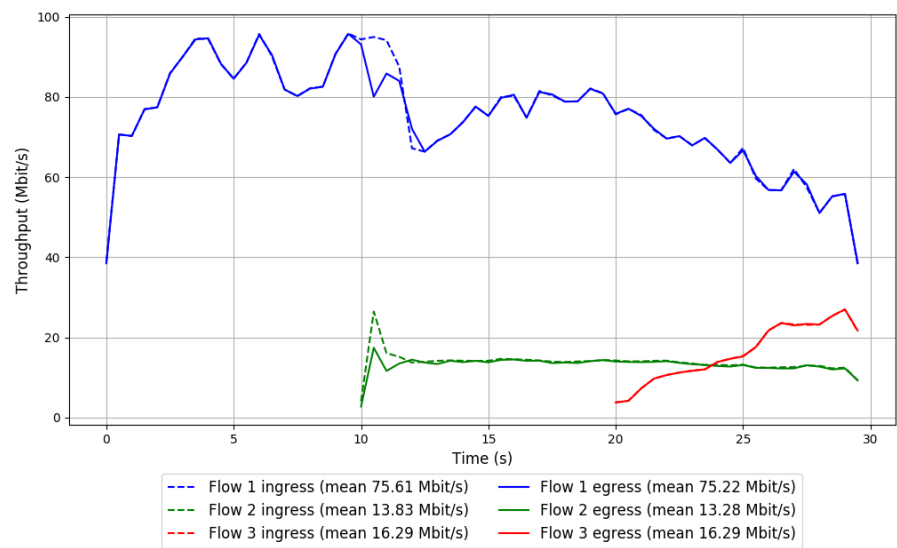


Run 8: Statistics of PCC

Start at: 2018-02-20 15:40:51
End at: 2018-02-20 15:41:21
Local clock offset: -7.85 ms
Remote clock offset: -13.295 ms

Below is generated by plot.py at 2018-02-20 17:07:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 42.868 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 32.057 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 72.471 ms
Loss rate: 4.08%
-- Flow 3:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 8.716 ms
Loss rate: 0.00%

Run 8: Report of PCC — Data Link

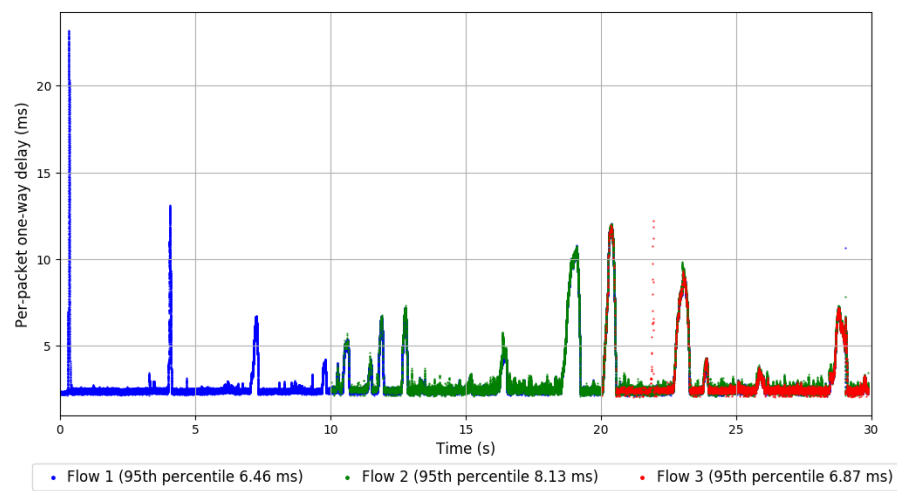
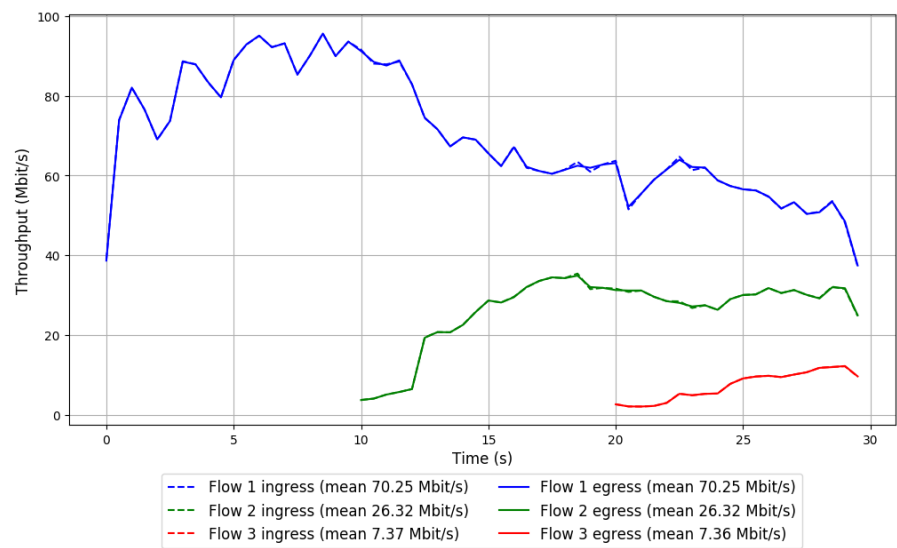


Run 9: Statistics of PCC

Start at: 2018-02-20 16:01:22
End at: 2018-02-20 16:01:52
Local clock offset: -0.64 ms
Remote clock offset: -6.668 ms

Below is generated by plot.py at 2018-02-20 17:07:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.18 Mbit/s
95th percentile per-packet one-way delay: 6.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.25 Mbit/s
95th percentile per-packet one-way delay: 6.463 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 8.131 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 6.872 ms
Loss rate: 0.00%

Run 9: Report of PCC — Data Link

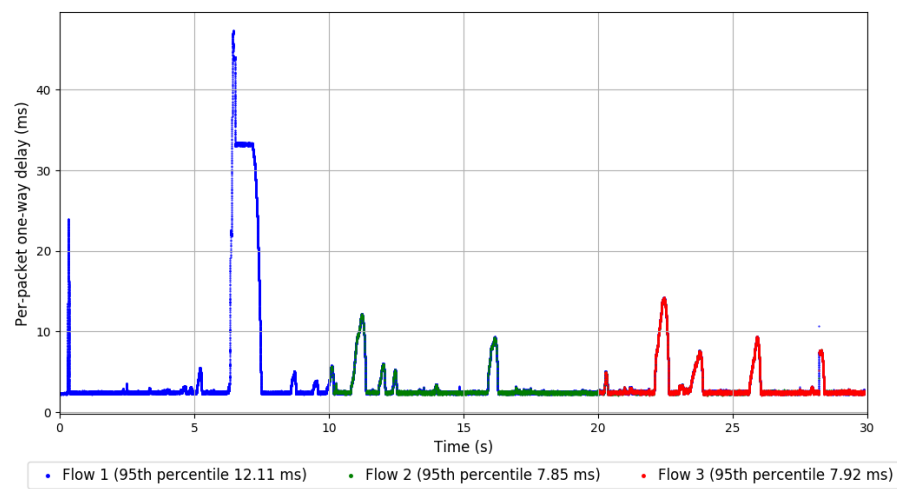
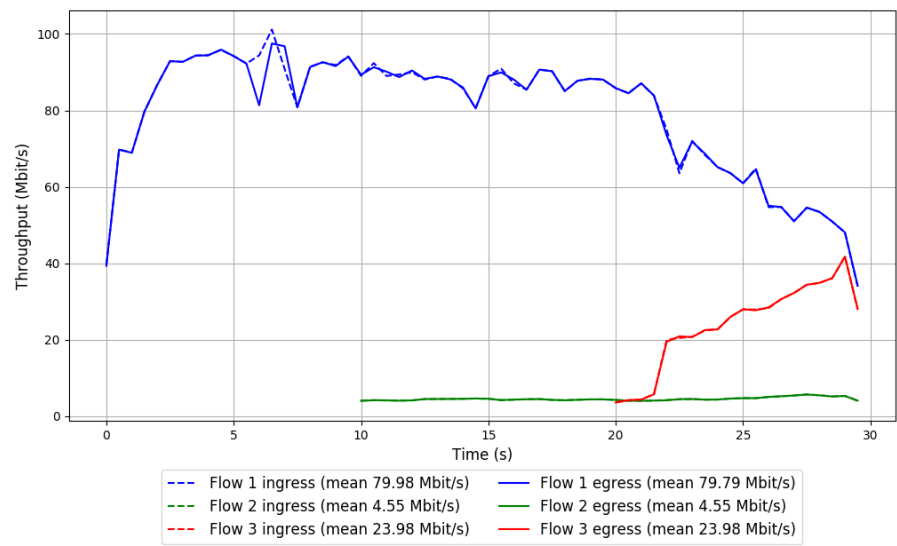


Run 10: Statistics of PCC

Start at: 2018-02-20 16:21:53
End at: 2018-02-20 16:22:23
Local clock offset: -2.337 ms
Remote clock offset: -1.869 ms

Below is generated by plot.py at 2018-02-20 17:07:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.73 Mbit/s
95th percentile per-packet one-way delay: 11.449 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 79.79 Mbit/s
95th percentile per-packet one-way delay: 12.110 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 7.854 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.98 Mbit/s
95th percentile per-packet one-way delay: 7.922 ms
Loss rate: 0.00%

Run 10: Report of PCC — Data Link

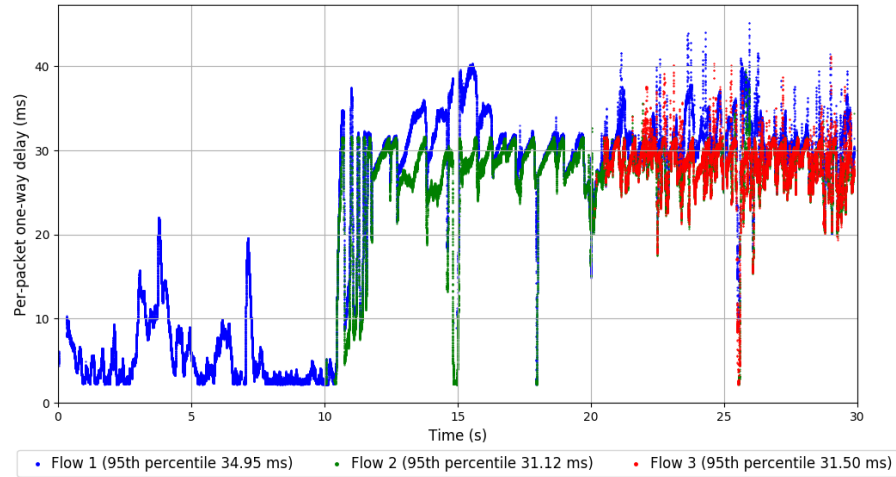
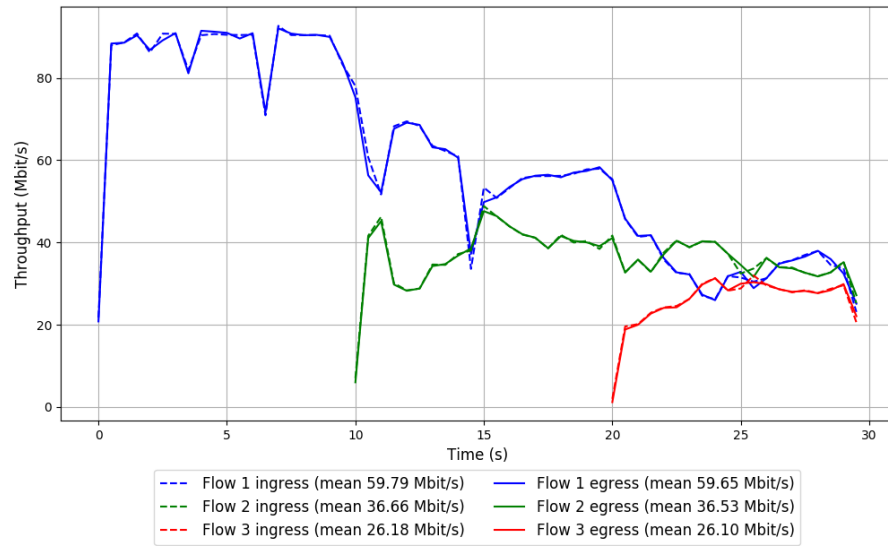


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-20 13:27:20
End at: 2018-02-20 13:27:50
Local clock offset: -14.429 ms
Remote clock offset: -12.332 ms

Below is generated by plot.py at 2018-02-20 17:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 34.264 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 34.953 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 31.120 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 31.496 ms
Loss rate: 0.24%

Run 1: Report of QUIC Cubic — Data Link

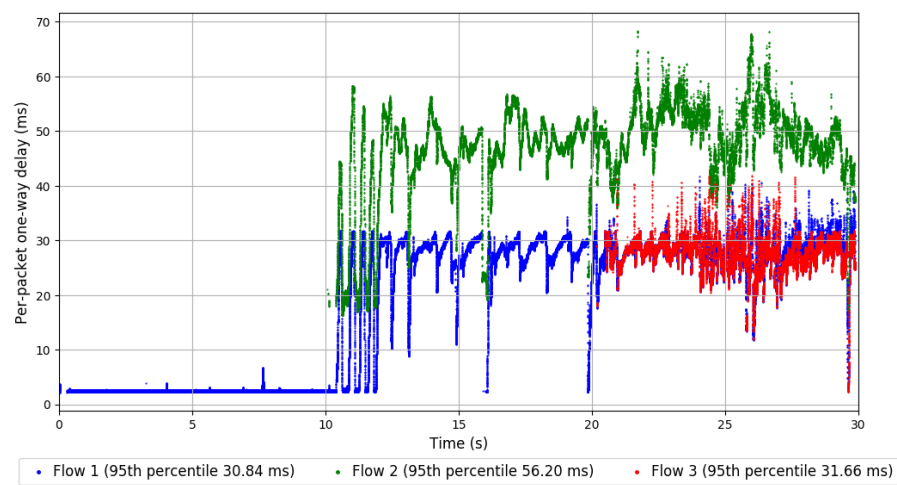
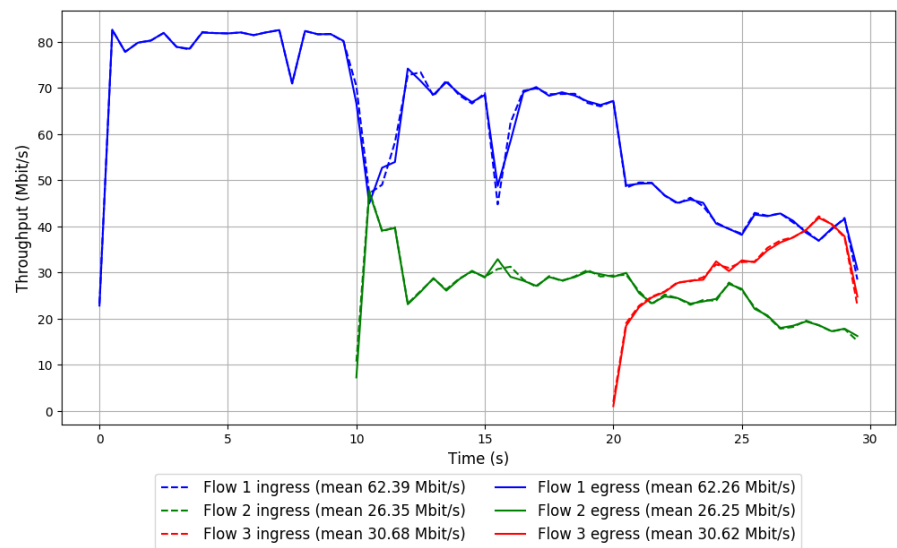


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-20 13:47:52
End at: 2018-02-20 13:48:22
Local clock offset: -15.042 ms
Remote clock offset: -12.732 ms

Below is generated by plot.py at 2018-02-20 17:08:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 50.972 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 62.26 Mbit/s
95th percentile per-packet one-way delay: 30.839 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 56.196 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 31.658 ms
Loss rate: 0.23%

Run 2: Report of QUIC Cubic — Data Link

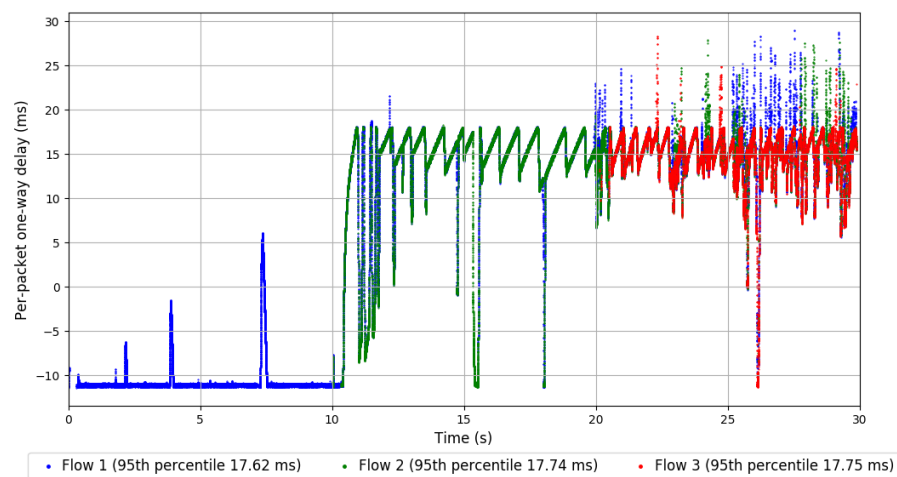
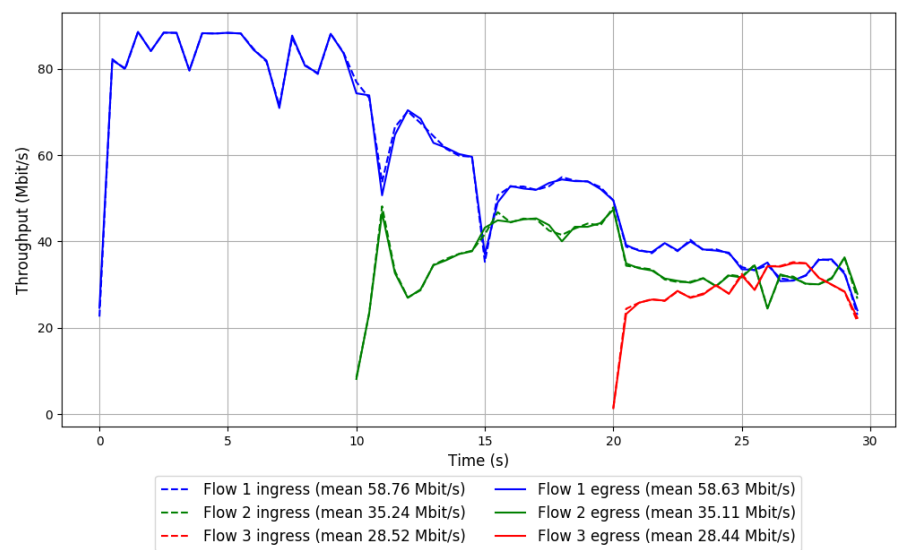


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-20 14:08:24
End at: 2018-02-20 14:08:54
Local clock offset: -12.87 ms
Remote clock offset: -26.449 ms

Below is generated by plot.py at 2018-02-20 17:08:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 17.683 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 17.616 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 17.740 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 17.750 ms
Loss rate: 0.21%

Run 3: Report of QUIC Cubic — Data Link

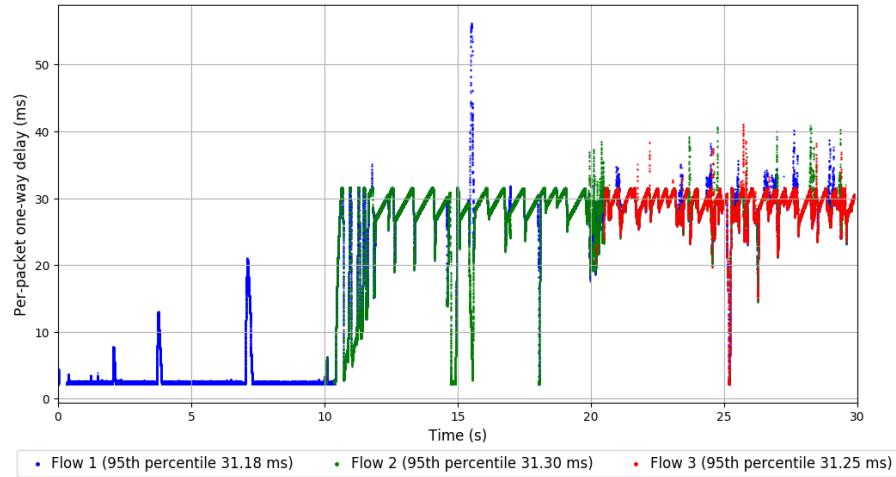
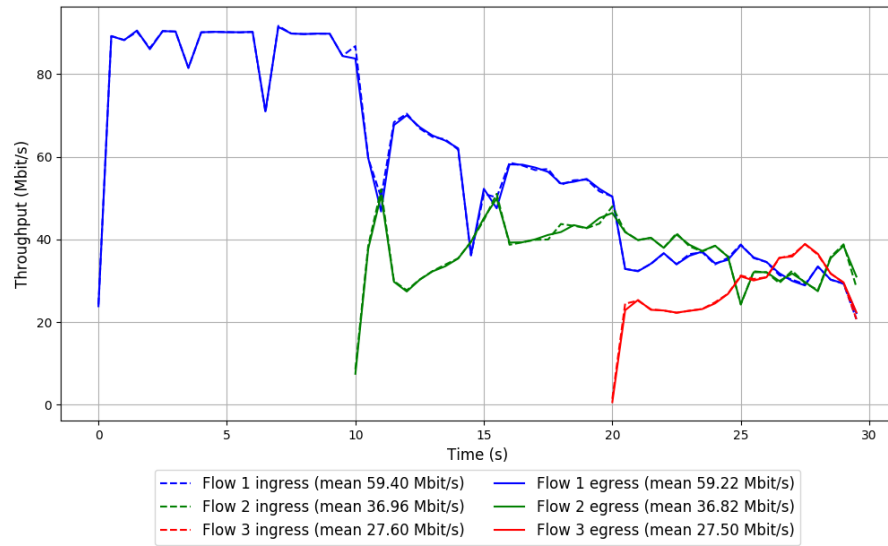


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-20 14:28:57
End at: 2018-02-20 14:29:27
Local clock offset: -14.393 ms
Remote clock offset: -12.637 ms

Below is generated by plot.py at 2018-02-20 17:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 31.235 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 59.22 Mbit/s
95th percentile per-packet one-way delay: 31.175 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 31.295 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 31.252 ms
Loss rate: 0.27%

Run 4: Report of QUIC Cubic — Data Link

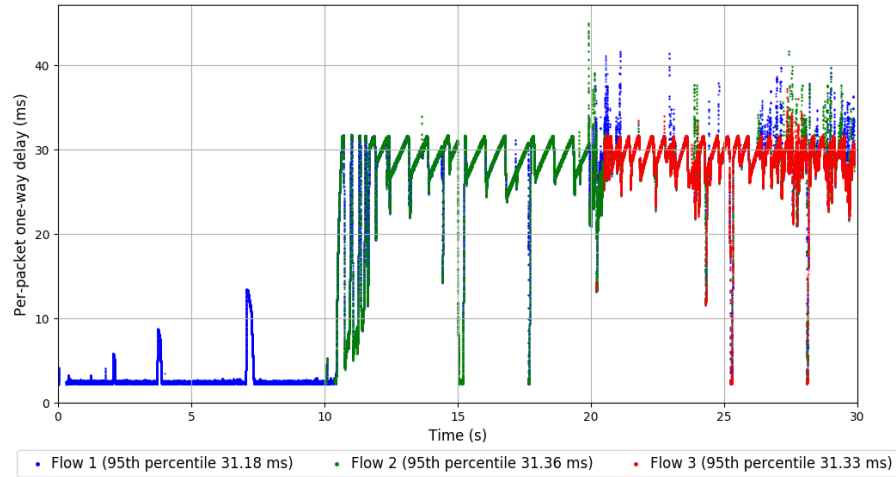
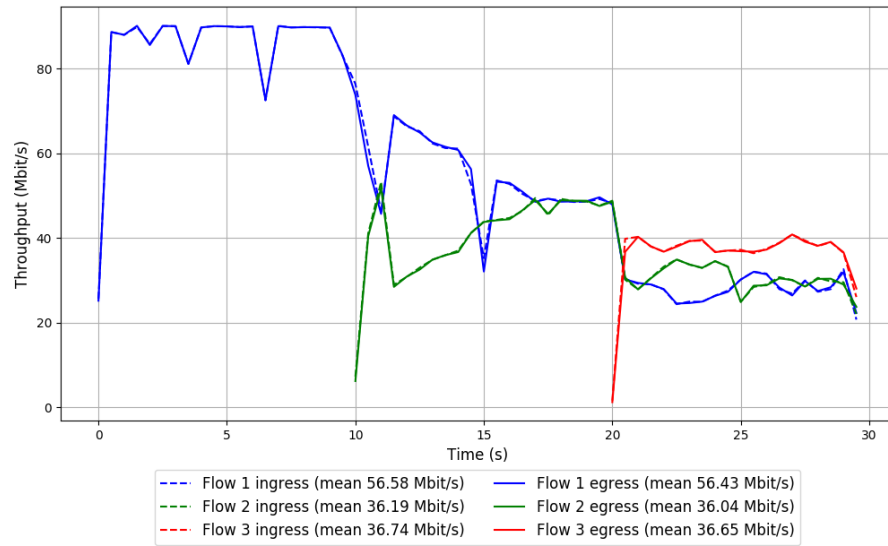


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-20 14:49:28
End at: 2018-02-20 14:49:58
Local clock offset: -16.346 ms
Remote clock offset: -12.693 ms

Below is generated by plot.py at 2018-02-20 17:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 31.283 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 31.180 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 31.360 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 36.65 Mbit/s
95th percentile per-packet one-way delay: 31.328 ms
Loss rate: 0.26%

Run 5: Report of QUIC Cubic — Data Link

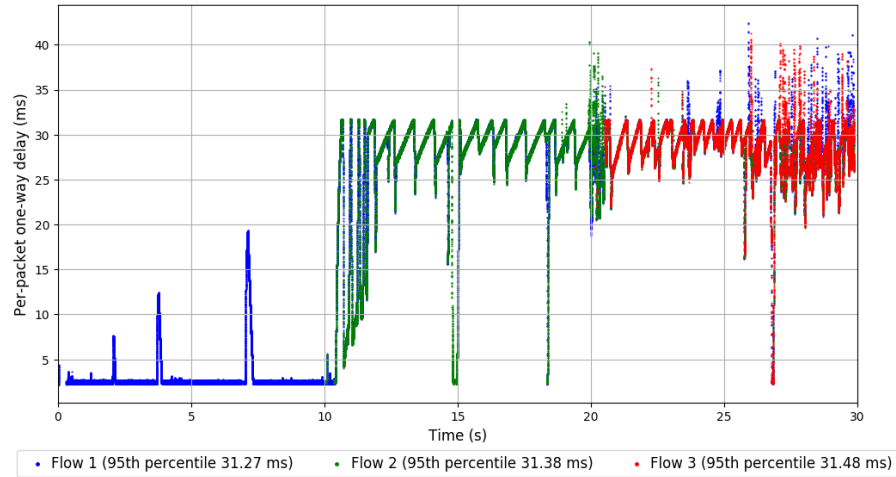
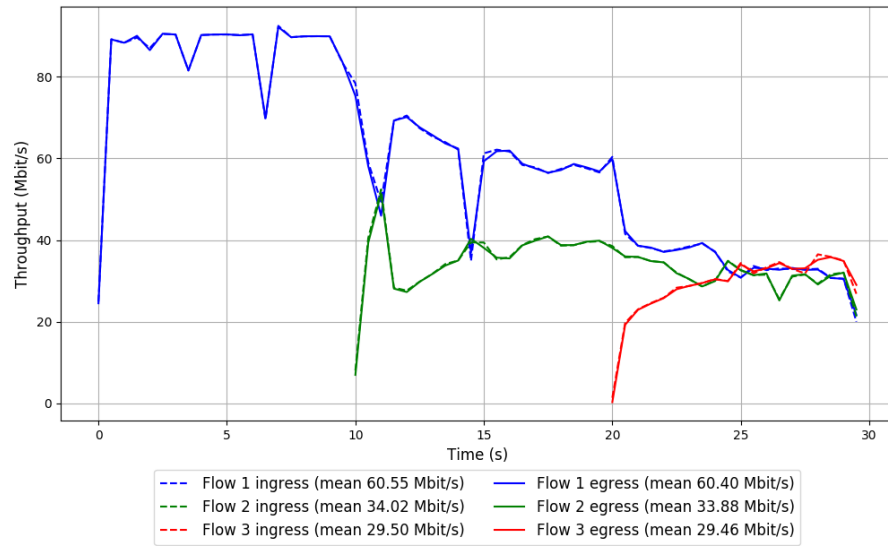


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-20 15:10:01
End at: 2018-02-20 15:10:31
Local clock offset: -17.092 ms
Remote clock offset: -12.89 ms

Below is generated by plot.py at 2018-02-20 17:08:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 31.345 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 31.269 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 31.382 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 29.46 Mbit/s
95th percentile per-packet one-way delay: 31.475 ms
Loss rate: 0.15%

Run 6: Report of QUIC Cubic — Data Link

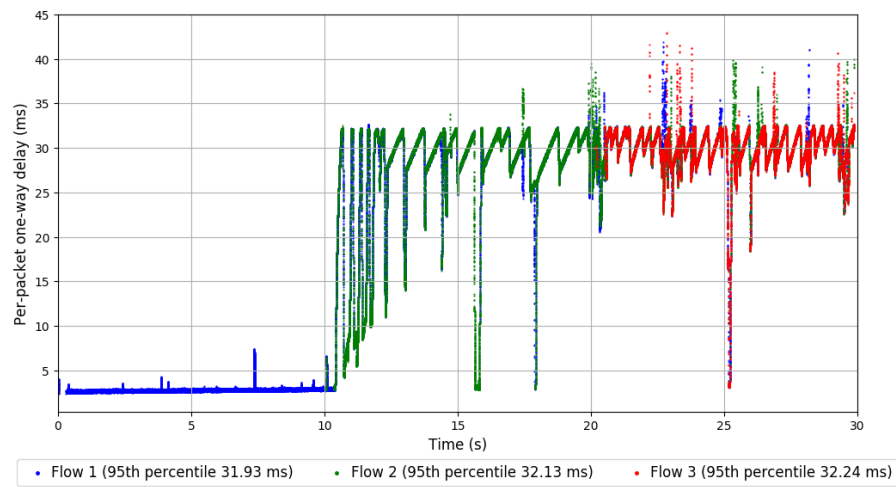
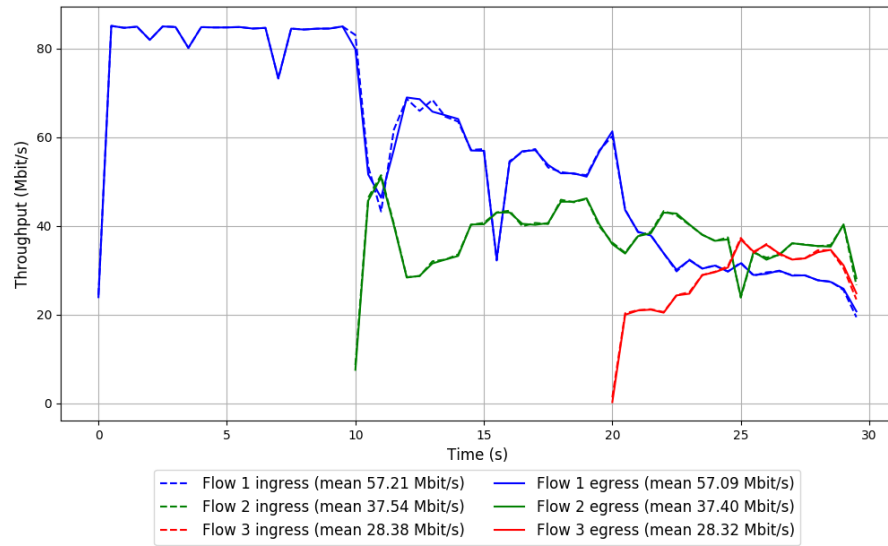


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-20 15:30:32
End at: 2018-02-20 15:31:02
Local clock offset: -17.699 ms
Remote clock offset: -13.137 ms

Below is generated by plot.py at 2018-02-20 17:08:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 32.048 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 31.925 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 32.130 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 28.32 Mbit/s
95th percentile per-packet one-way delay: 32.244 ms
Loss rate: 0.17%

Run 7: Report of QUIC Cubic — Data Link

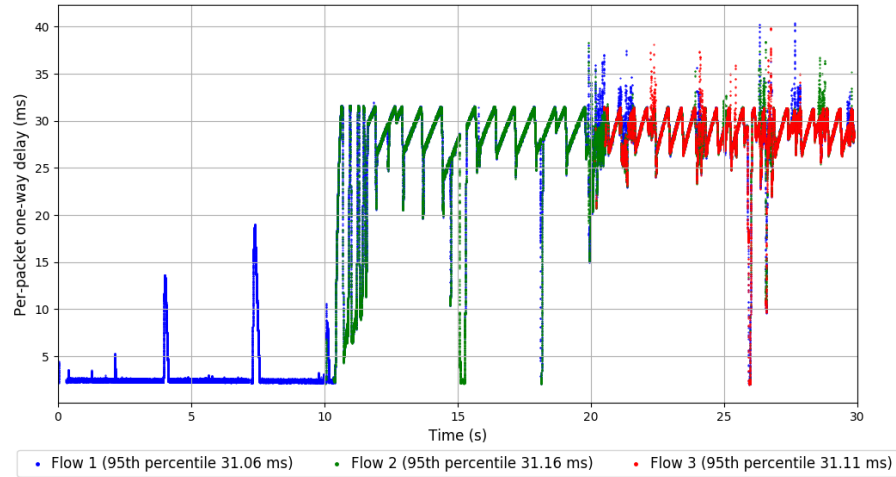
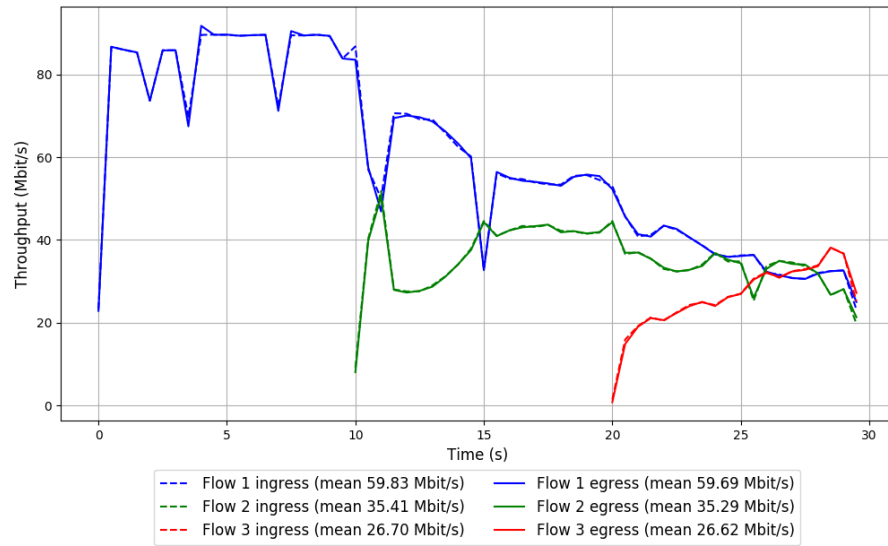


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-20 15:51:01
End at: 2018-02-20 15:51:31
Local clock offset: -3.447 ms
Remote clock offset: -13.11 ms

Below is generated by plot.py at 2018-02-20 17:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 31.099 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.69 Mbit/s
95th percentile per-packet one-way delay: 31.059 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 31.160 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 26.62 Mbit/s
95th percentile per-packet one-way delay: 31.113 ms
Loss rate: 0.25%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-02-20 16:11:32

End at: 2018-02-20 16:12:02

Local clock offset: -1.858 ms

Remote clock offset: -3.85 ms

Below is generated by plot.py at 2018-02-20 17:09:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.59 Mbit/s

95th percentile per-packet one-way delay: 31.068 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 57.00 Mbit/s

95th percentile per-packet one-way delay: 31.039 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 36.02 Mbit/s

95th percentile per-packet one-way delay: 31.110 ms

Loss rate: 0.21%

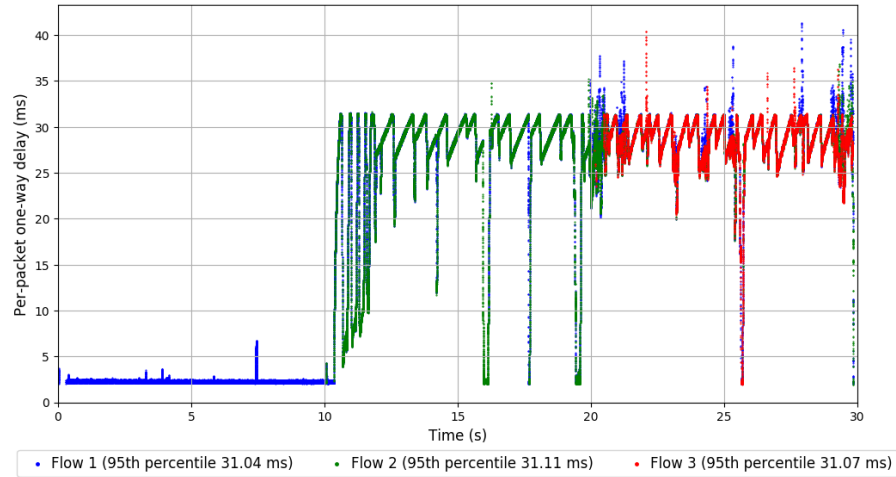
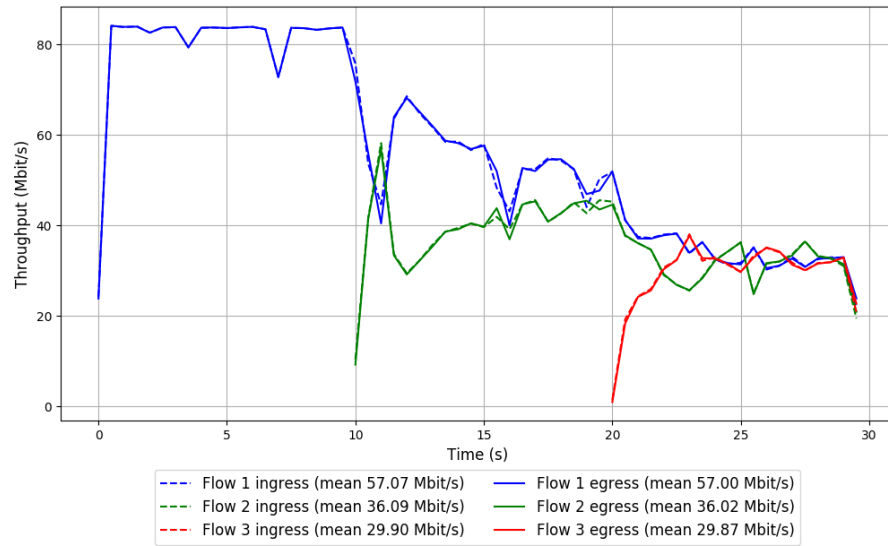
-- Flow 3:

Average throughput: 29.87 Mbit/s

95th percentile per-packet one-way delay: 31.069 ms

Loss rate: 0.11%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-02-20 16:32:05

End at: 2018-02-20 16:32:35

Local clock offset: -1.726 ms

Remote clock offset: 7.213 ms

Below is generated by plot.py at 2018-02-20 17:10:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.50 Mbit/s

95th percentile per-packet one-way delay: 31.047 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 57.60 Mbit/s

95th percentile per-packet one-way delay: 30.963 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 39.83 Mbit/s

95th percentile per-packet one-way delay: 31.113 ms

Loss rate: 0.17%

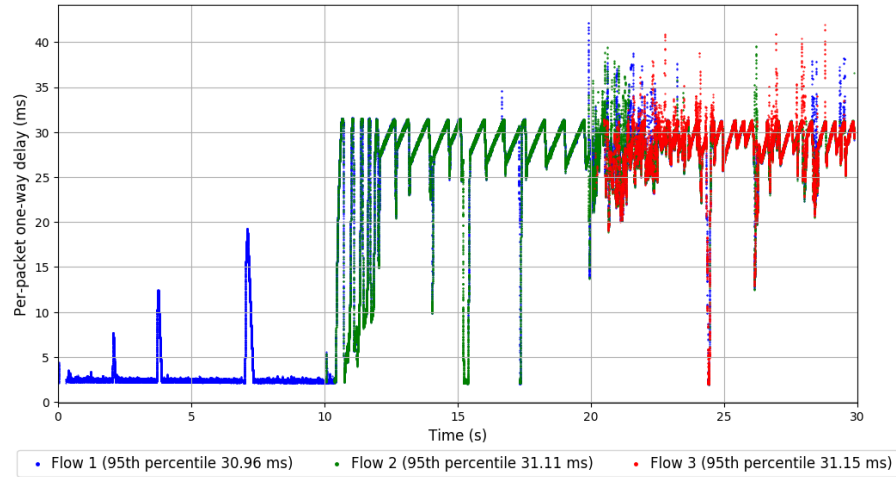
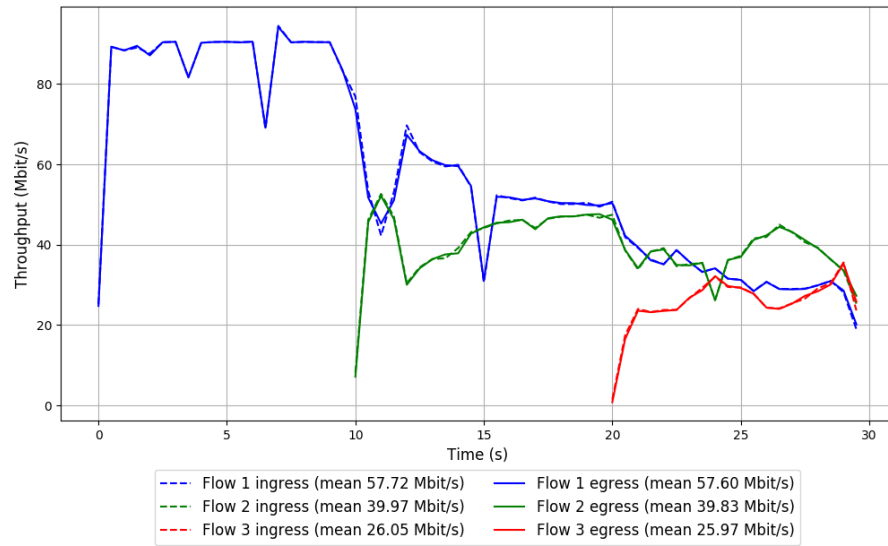
-- Flow 3:

Average throughput: 25.97 Mbit/s

95th percentile per-packet one-way delay: 31.146 ms

Loss rate: 0.25%

Run 10: Report of QUIC Cubic — Data Link

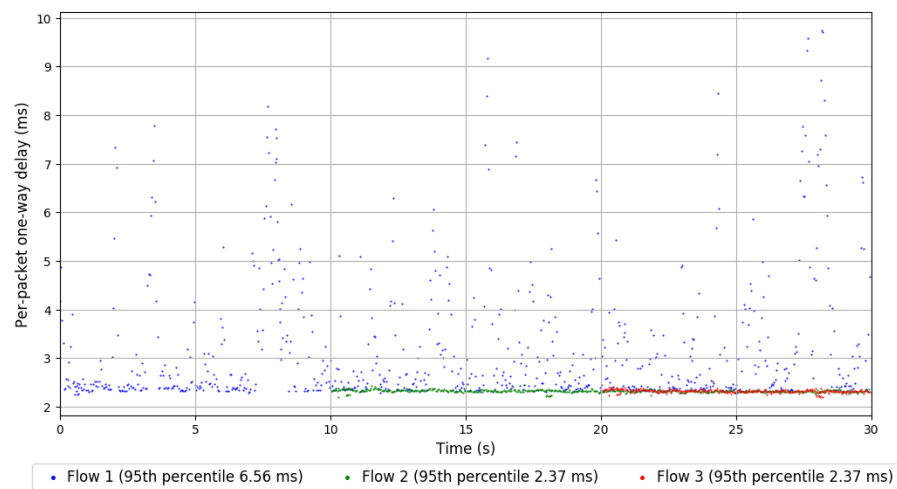
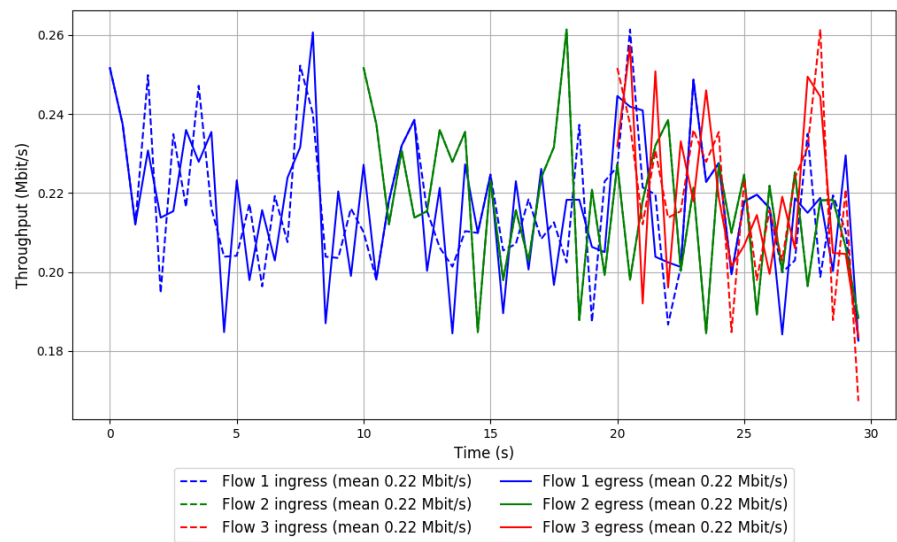


Run 1: Statistics of SReAM

Start at: 2018-02-20 13:28:28
End at: 2018-02-20 13:28:58
Local clock offset: -14.537 ms
Remote clock offset: -12.289 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 4.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.559 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.372 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

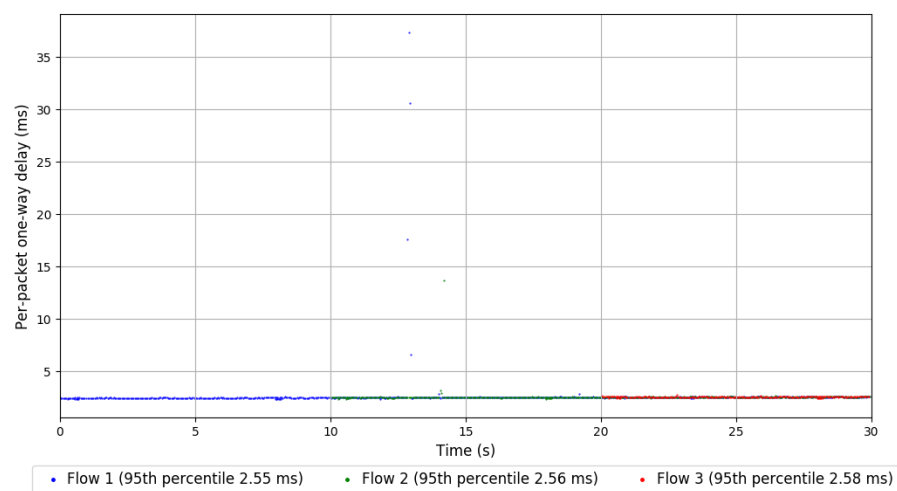
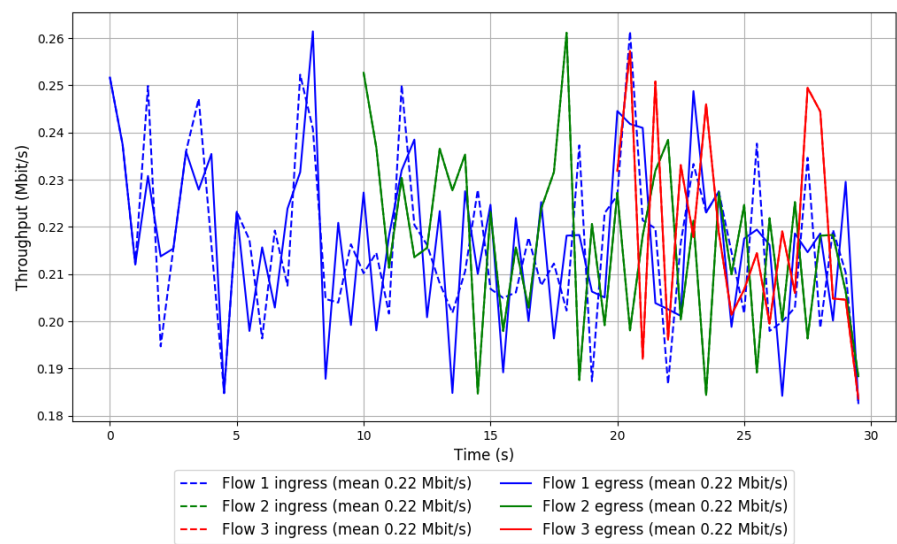


Run 2: Statistics of SReAM

Start at: 2018-02-20 13:49:00
End at: 2018-02-20 13:49:30
Local clock offset: -14.932 ms
Remote clock offset: -12.748 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.550 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.560 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.577 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

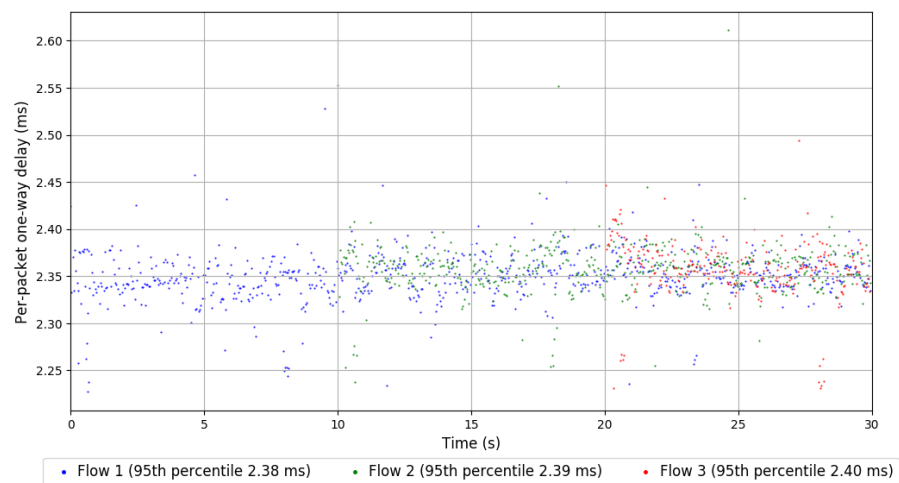
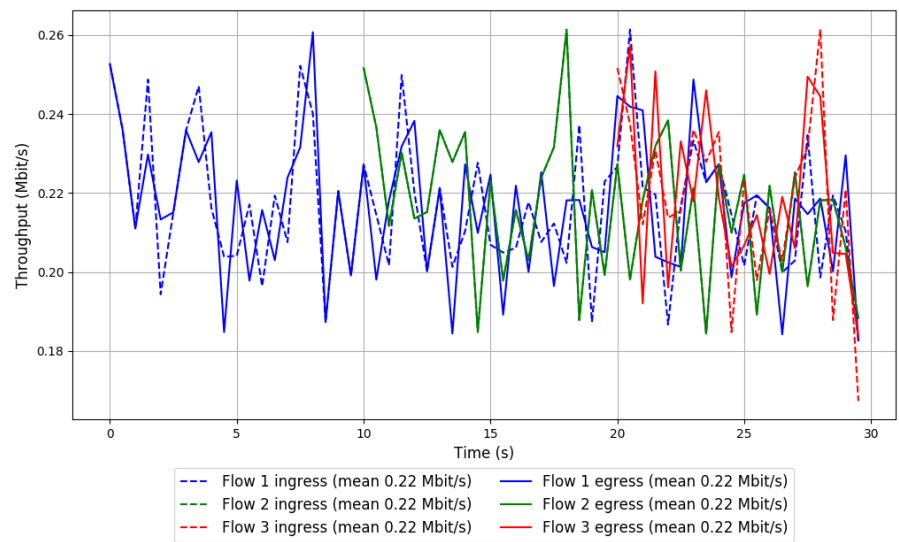


Run 3: Statistics of SReAM

Start at: 2018-02-20 14:09:32
End at: 2018-02-20 14:10:02
Local clock offset: -12.838 ms
Remote clock offset: -12.784 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.383 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

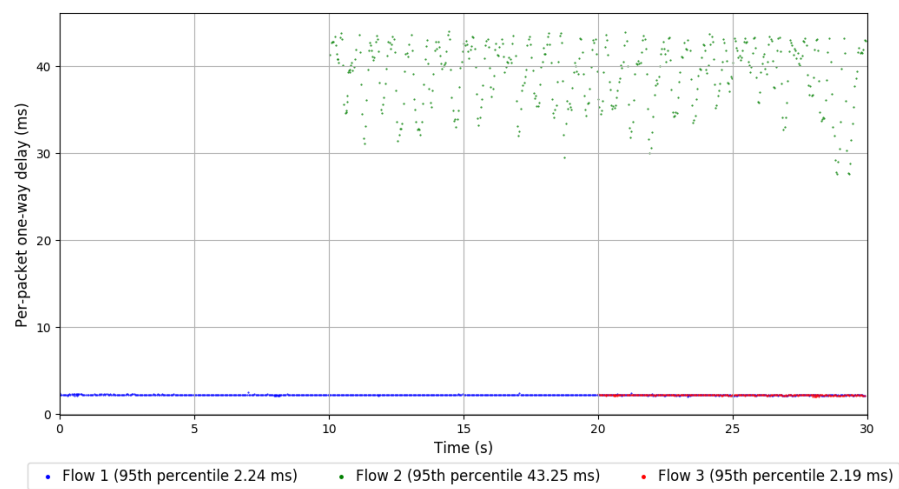
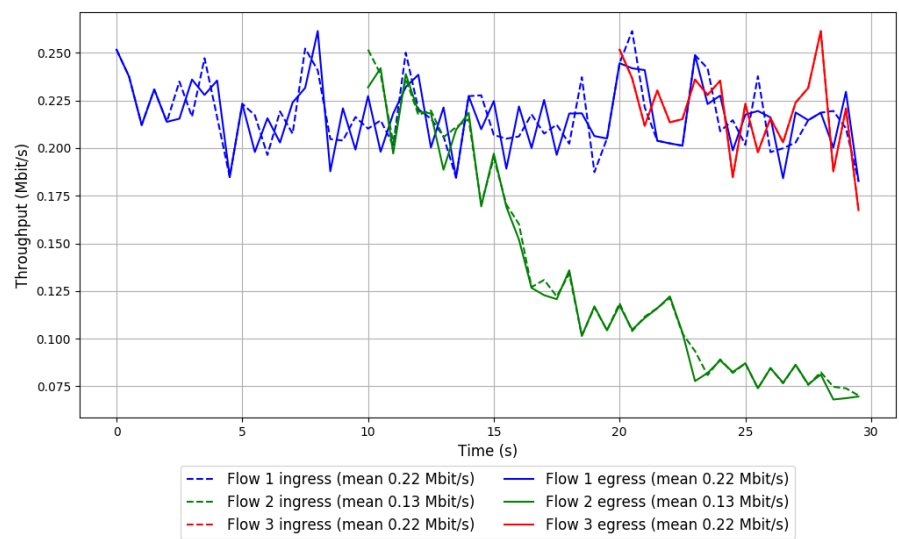


Run 4: Statistics of SCReAM

Start at: 2018-02-20 14:30:05
End at: 2018-02-20 14:30:35
Local clock offset: -14.553 ms
Remote clock offset: -12.653 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 42.719 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 43.249 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.192 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

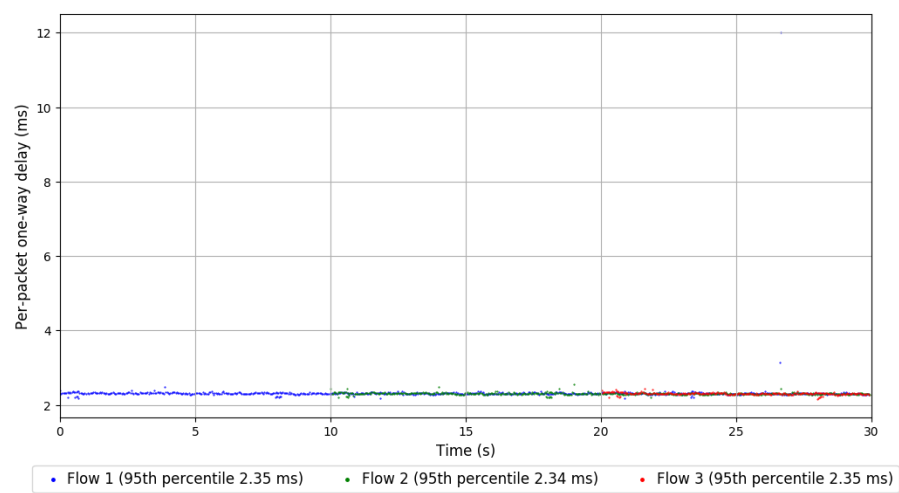
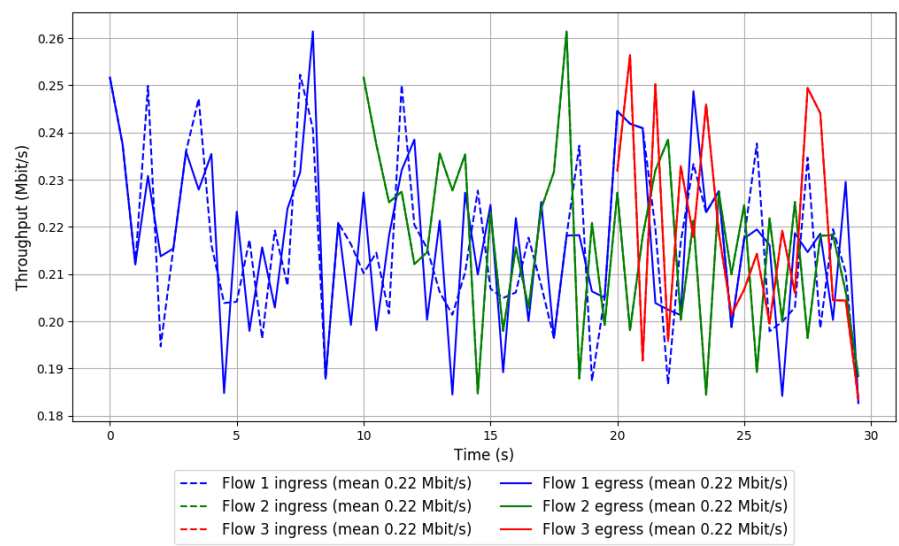


Run 5: Statistics of SReAM

Start at: 2018-02-20 14:50:37
End at: 2018-02-20 14:51:07
Local clock offset: -16.416 ms
Remote clock offset: -12.706 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

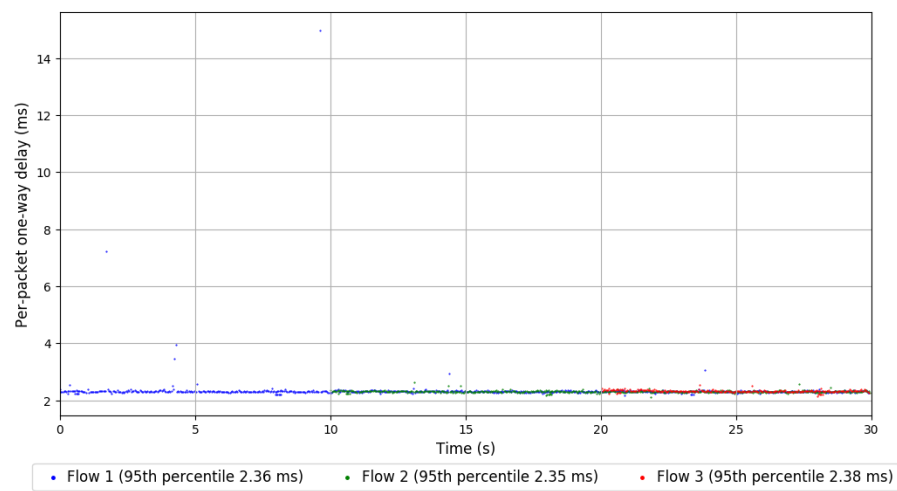
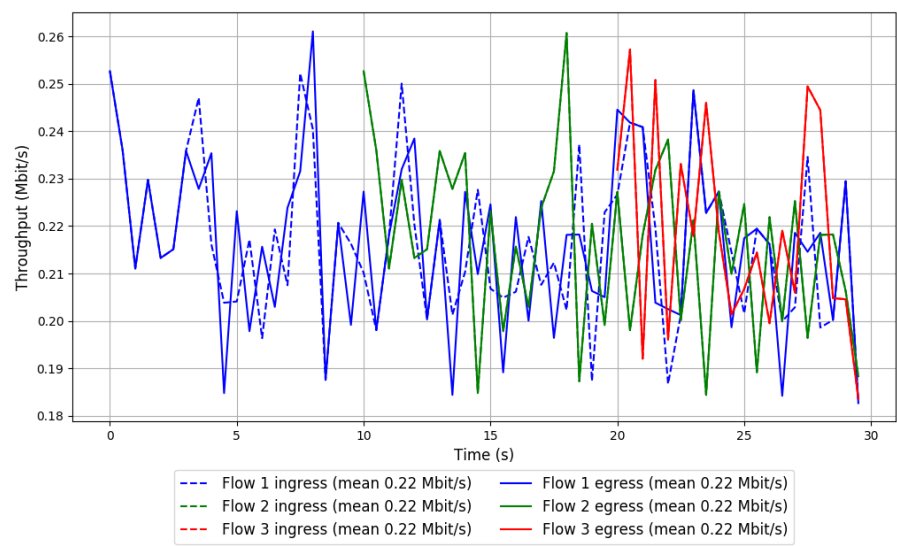


Run 6: Statistics of SReAM

Start at: 2018-02-20 15:11:09
End at: 2018-02-20 15:11:39
Local clock offset: -17.124 ms
Remote clock offset: -12.925 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.362 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

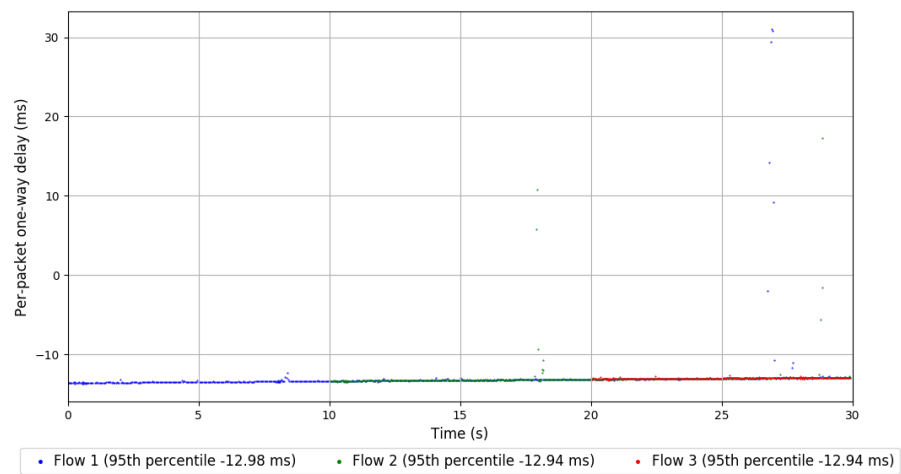
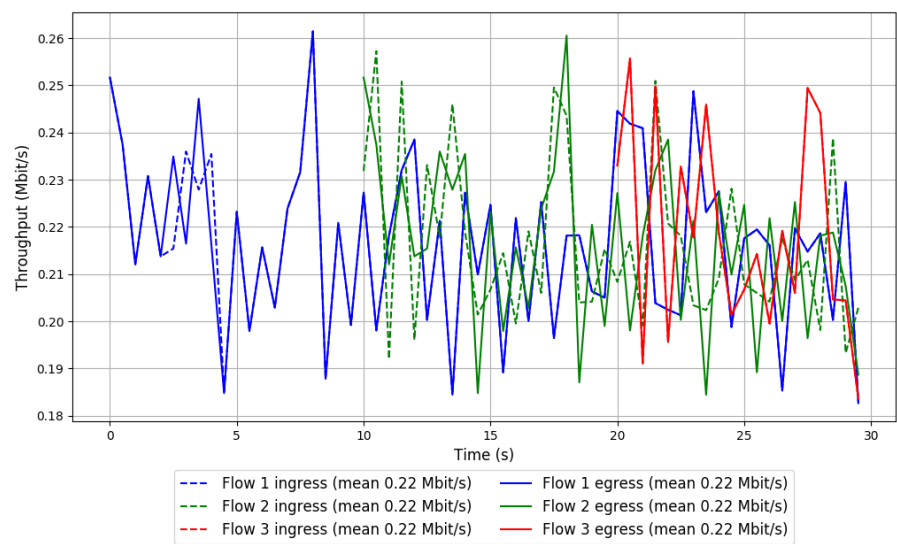


Run 7: Statistics of SReAM

Start at: 2018-02-20 15:31:41
End at: 2018-02-20 15:32:11
Local clock offset: -16.747 ms
Remote clock offset: -29.982 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -12.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -12.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -12.944 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -12.937 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

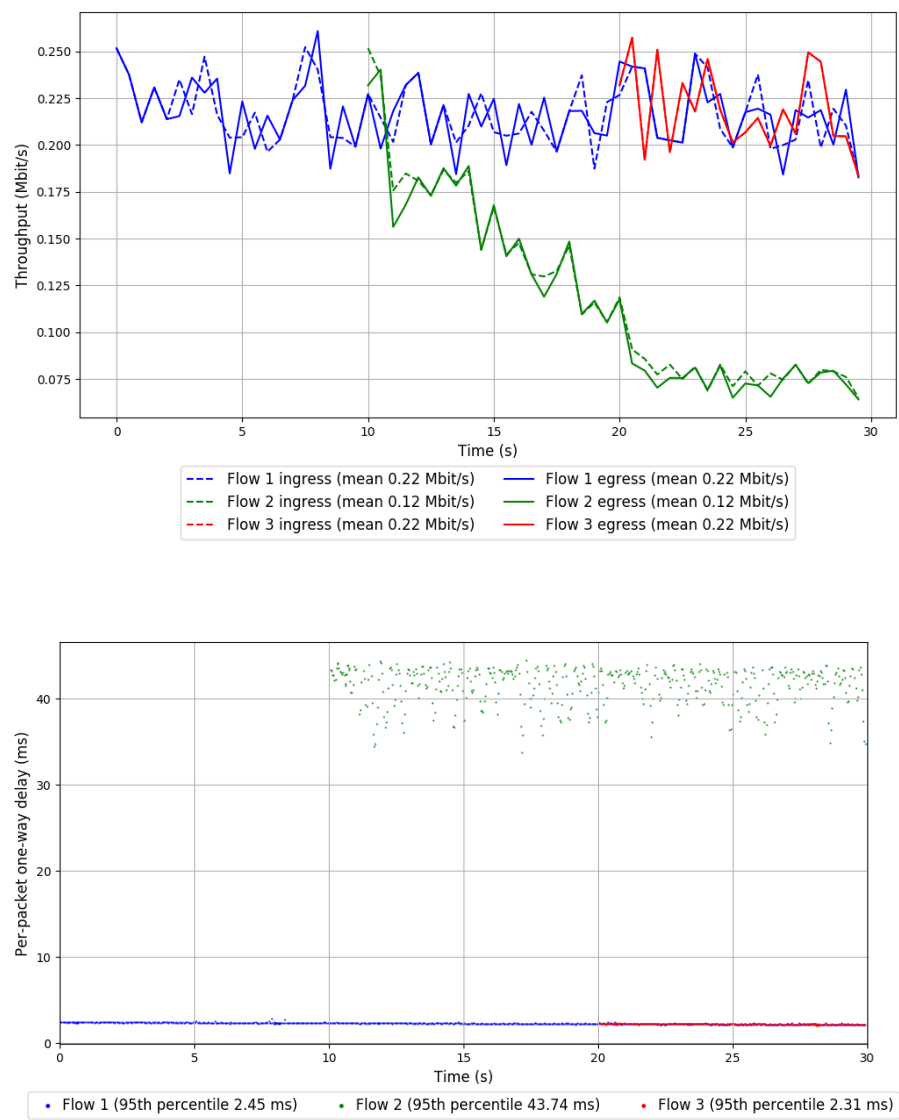


Run 8: Statistics of SReAM

Start at: 2018-02-20 15:52:09
End at: 2018-02-20 15:52:39
Local clock offset: -3.095 ms
Remote clock offset: -11.956 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 43.341 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 43.739 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

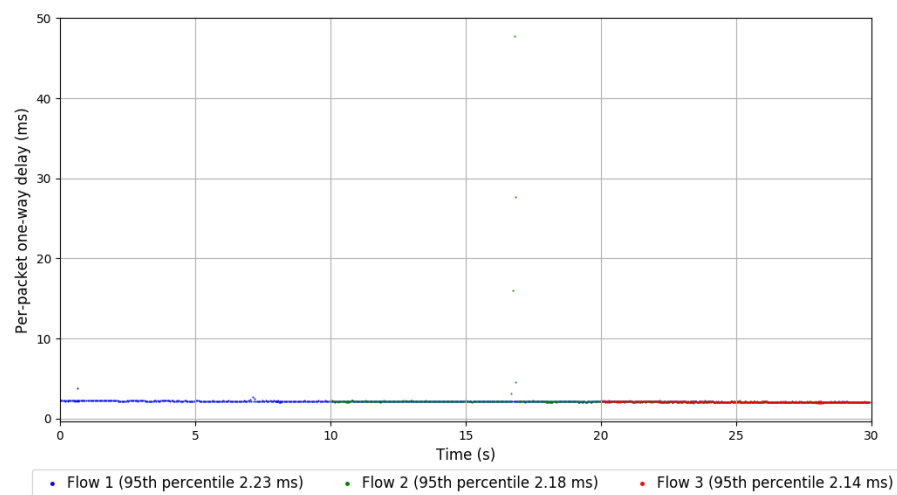
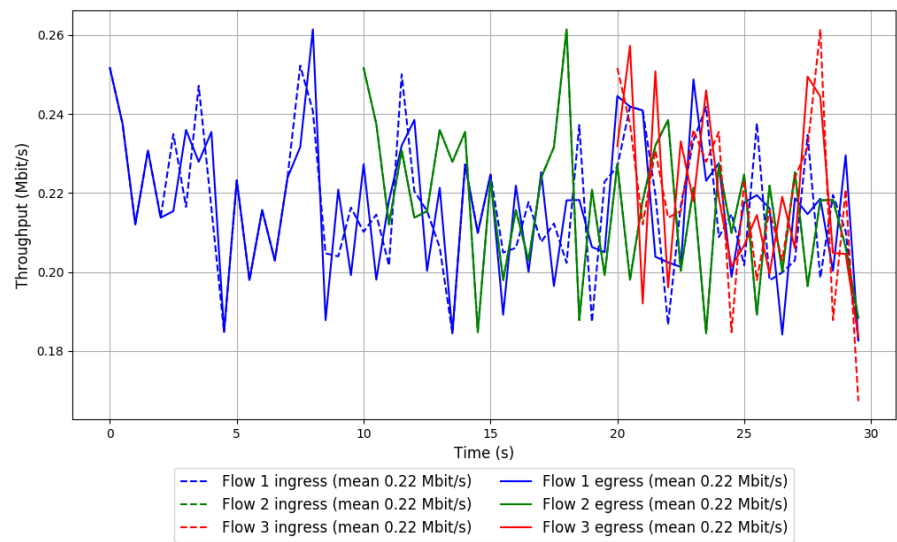


Run 9: Statistics of SReAM

Start at: 2018-02-20 16:12:40
End at: 2018-02-20 16:13:10
Local clock offset: -2.007 ms
Remote clock offset: -3.574 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.225 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.140 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-02-20 16:33:13

End at: 2018-02-20 16:33:43

Local clock offset: -1.602 ms

Remote clock offset: 8.012 ms

Below is generated by plot.py at 2018-02-20 17:10:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 2.151 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 2.177 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

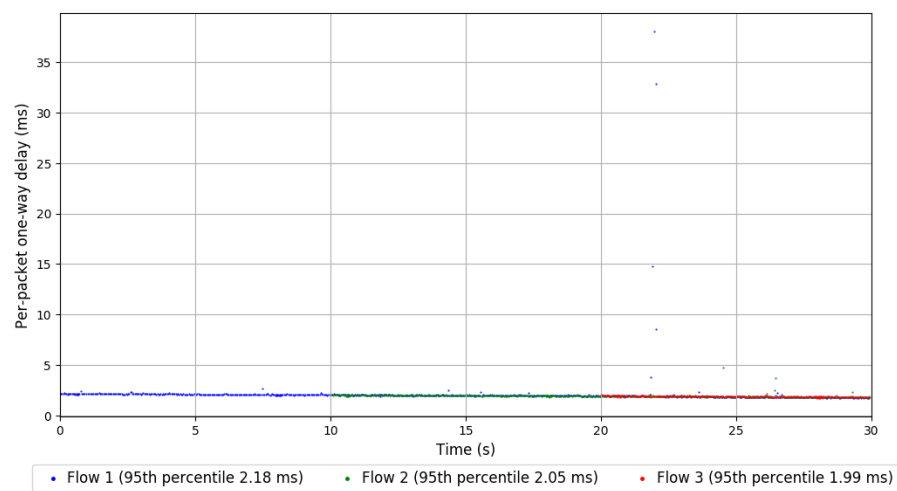
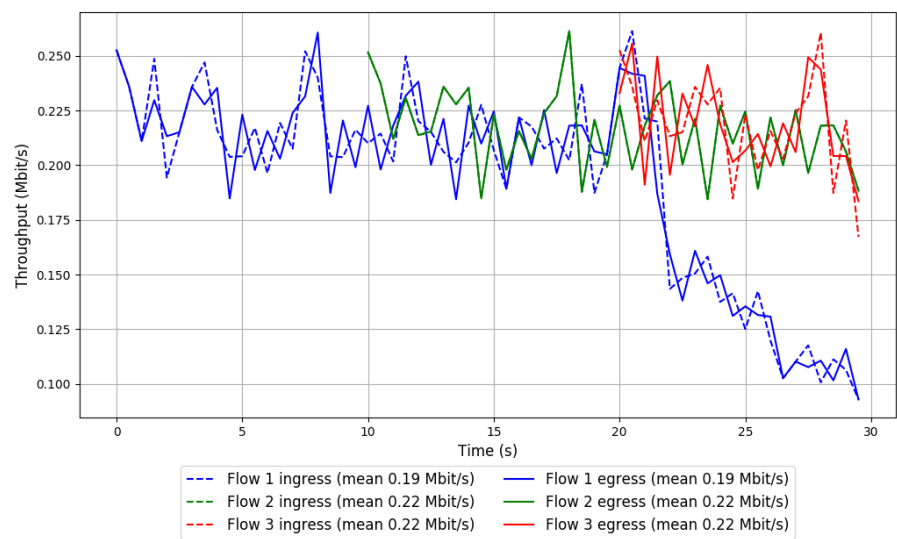
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.990 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

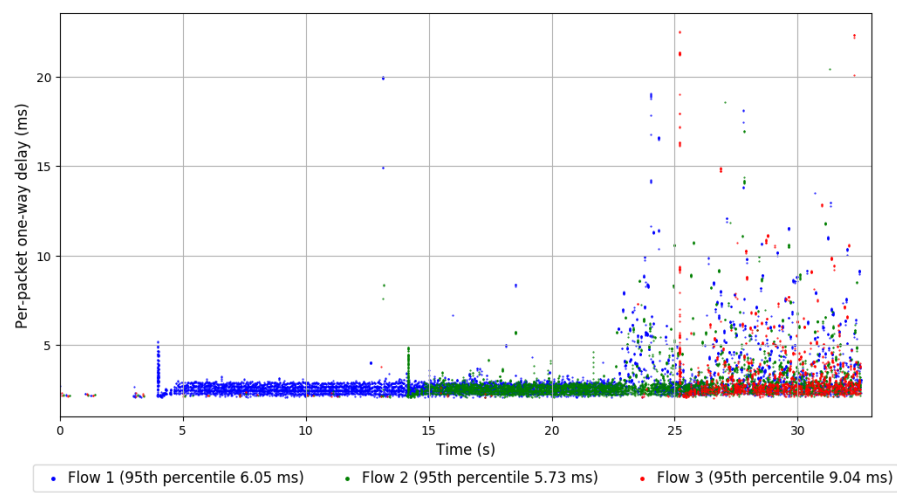
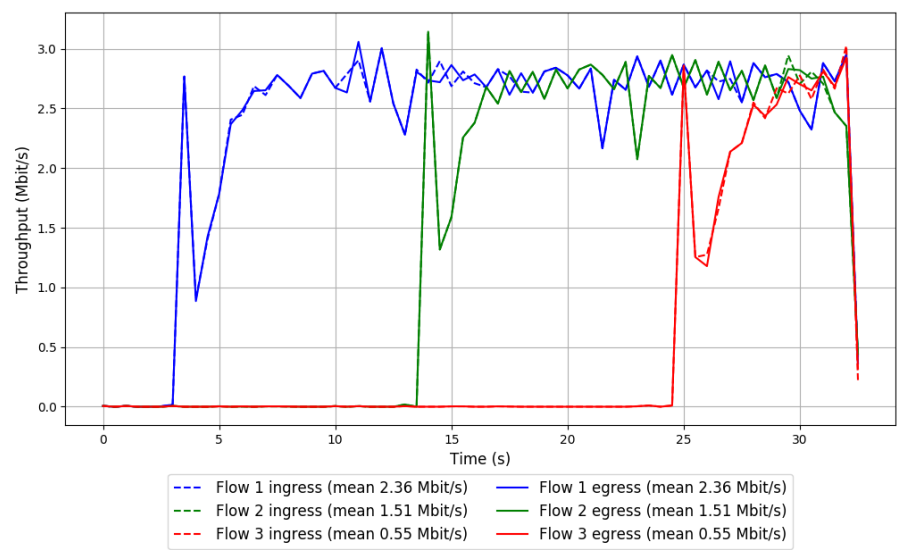


Run 1: Statistics of WebRTC media

Start at: 2018-02-20 13:23:56
End at: 2018-02-20 13:24:26
Local clock offset: -14.258 ms
Remote clock offset: -12.32 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 6.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 6.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 5.727 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 9.043 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

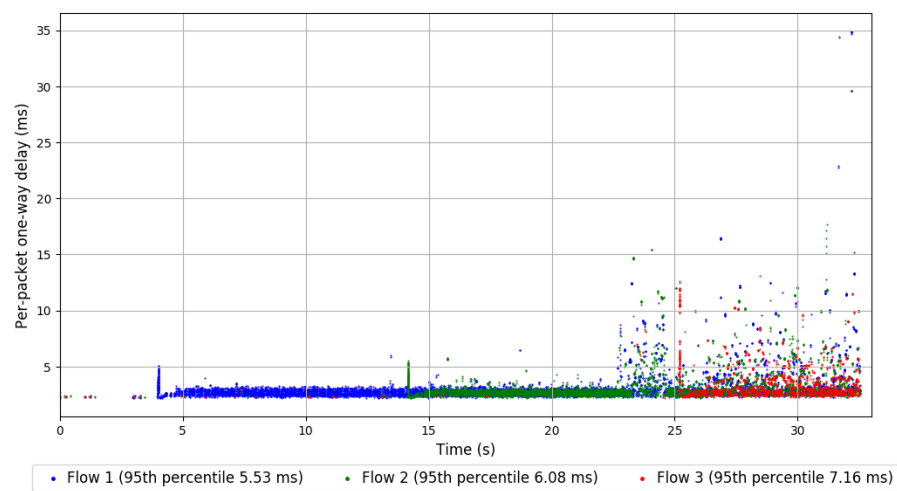
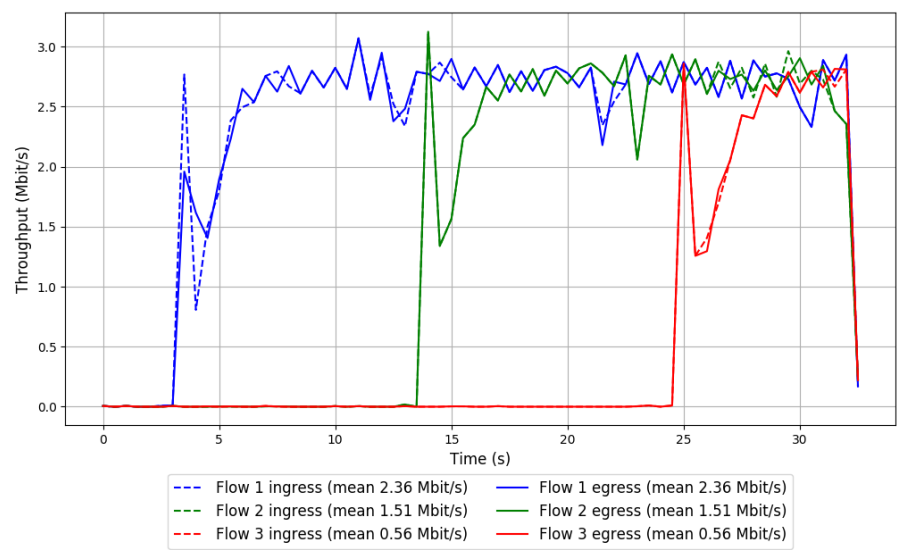


Run 2: Statistics of WebRTC media

Start at: 2018-02-20 13:44:29
End at: 2018-02-20 13:44:59
Local clock offset: -14.983 ms
Remote clock offset: -12.604 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 6.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 5.527 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 6.080 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 7.162 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

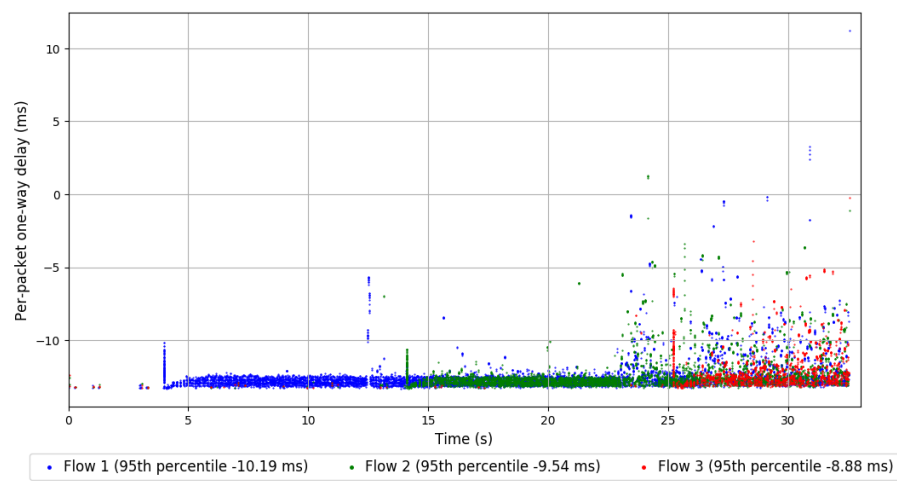
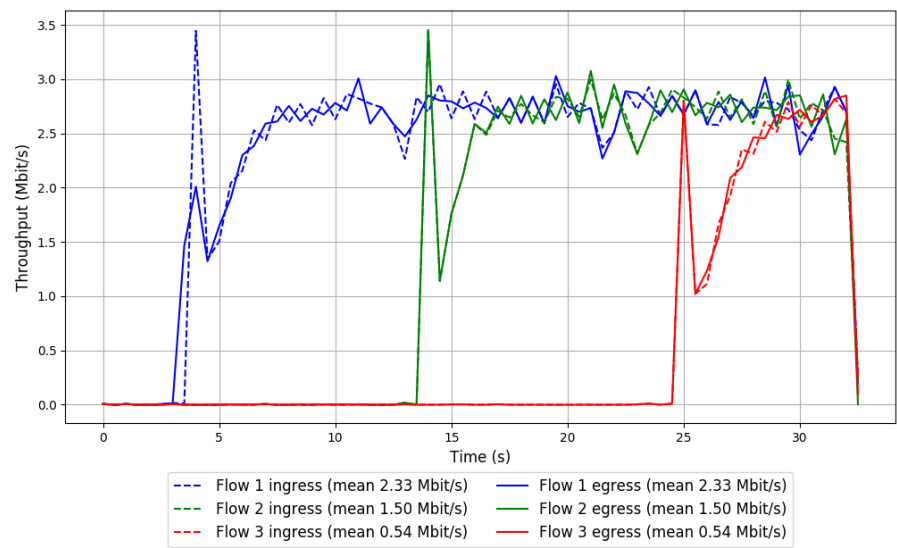


Run 3: Statistics of WebRTC media

Start at: 2018-02-20 14:05:01
End at: 2018-02-20 14:05:31
Local clock offset: -13.041 ms
Remote clock offset: -28.28 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: -9.715 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -10.186 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: -9.545 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: -8.884 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

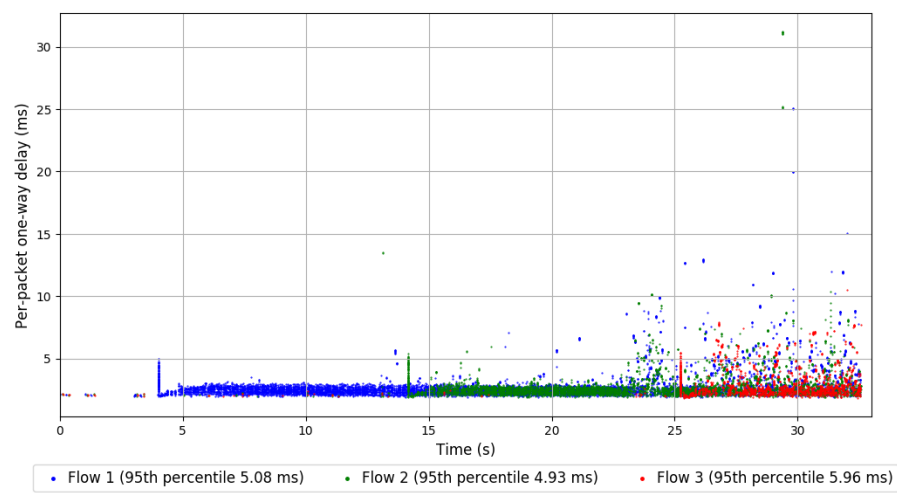
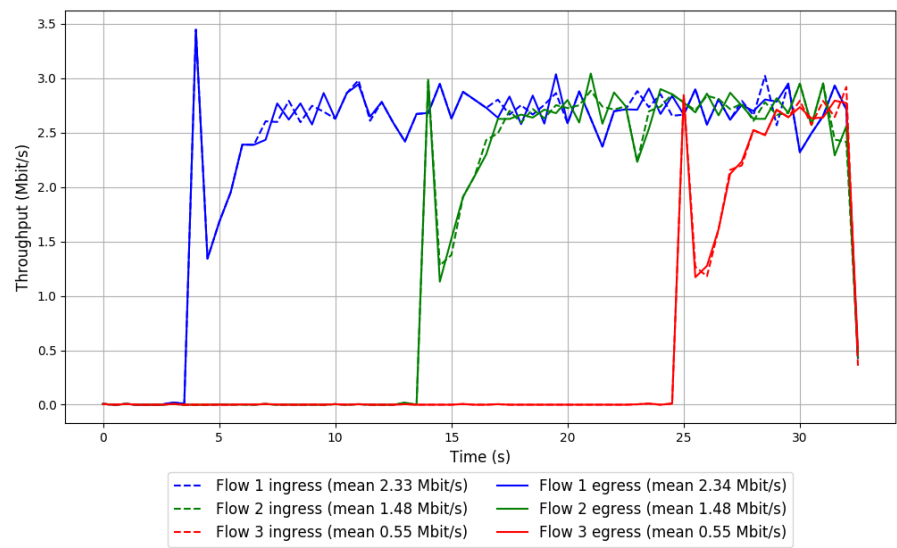


Run 4: Statistics of WebRTC media

Start at: 2018-02-20 14:25:33
End at: 2018-02-20 14:26:03
Local clock offset: -13.497 ms
Remote clock offset: -12.705 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 5.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 5.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 4.931 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 5.961 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

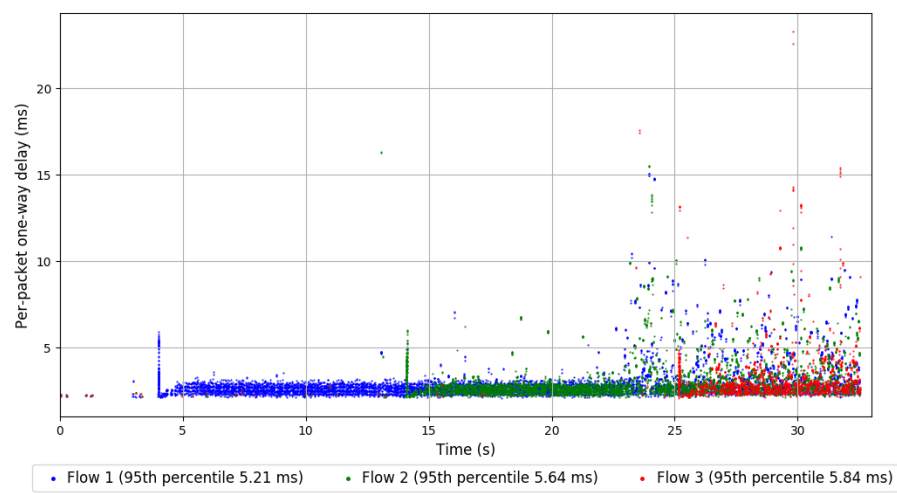
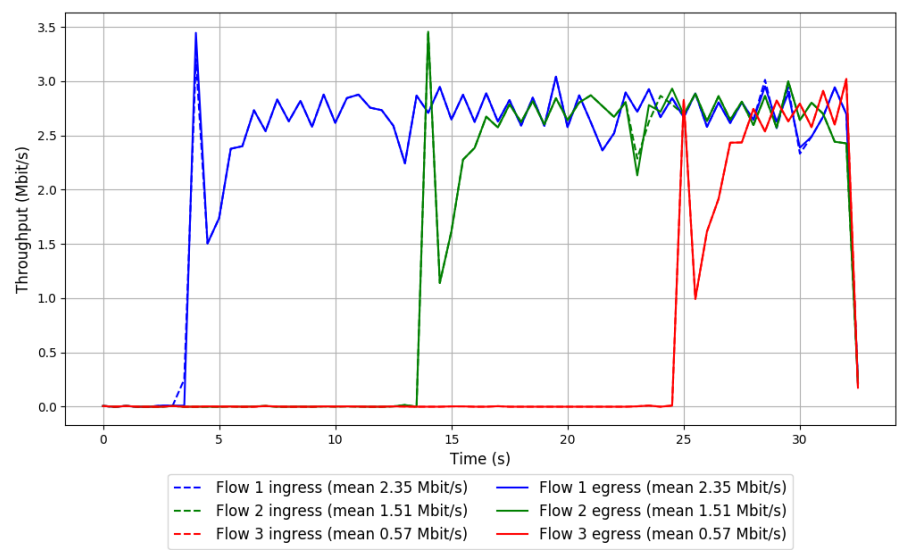


Run 5: Statistics of WebRTC media

Start at: 2018-02-20 14:46:06
End at: 2018-02-20 14:46:36
Local clock offset: -16.233 ms
Remote clock offset: -12.746 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 5.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 5.211 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 5.638 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 5.836 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

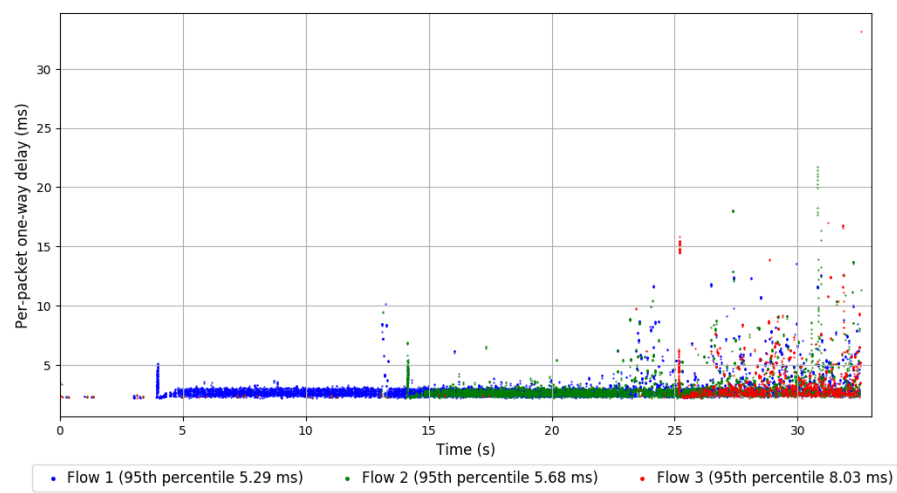
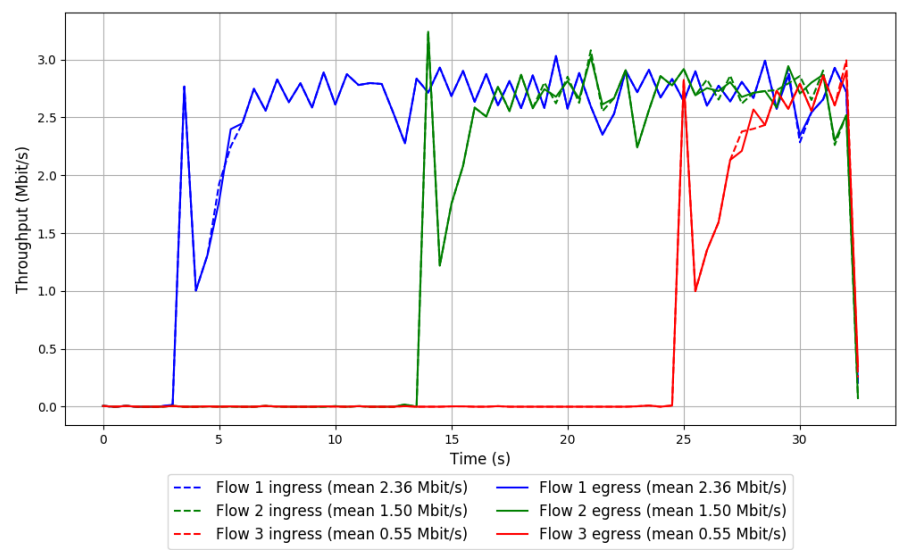


Run 6: Statistics of WebRTC media

Start at: 2018-02-20 15:06:38
End at: 2018-02-20 15:07:08
Local clock offset: -17.009 ms
Remote clock offset: -12.825 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 5.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 5.291 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 5.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 8.029 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

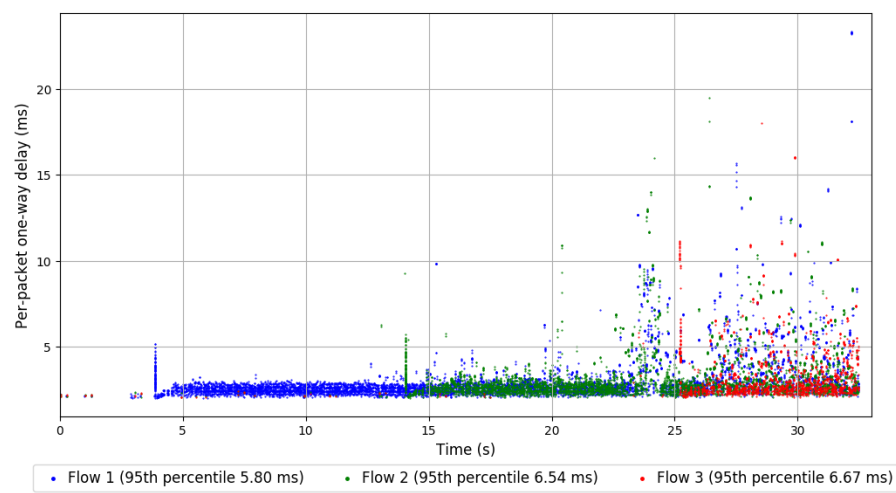
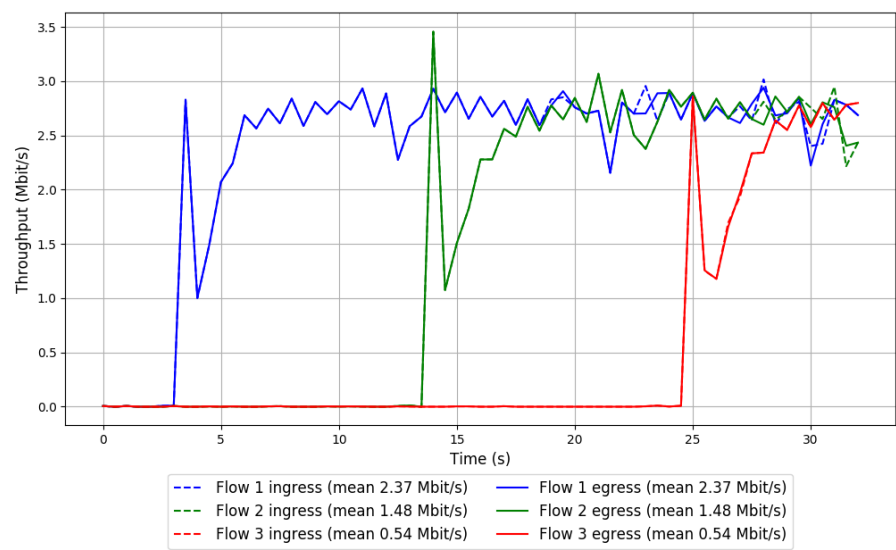


Run 7: Statistics of WebRTC media

Start at: 2018-02-20 15:27:09
End at: 2018-02-20 15:27:39
Local clock offset: -17.614 ms
Remote clock offset: -13.221 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 6.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 5.803 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 6.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 6.669 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

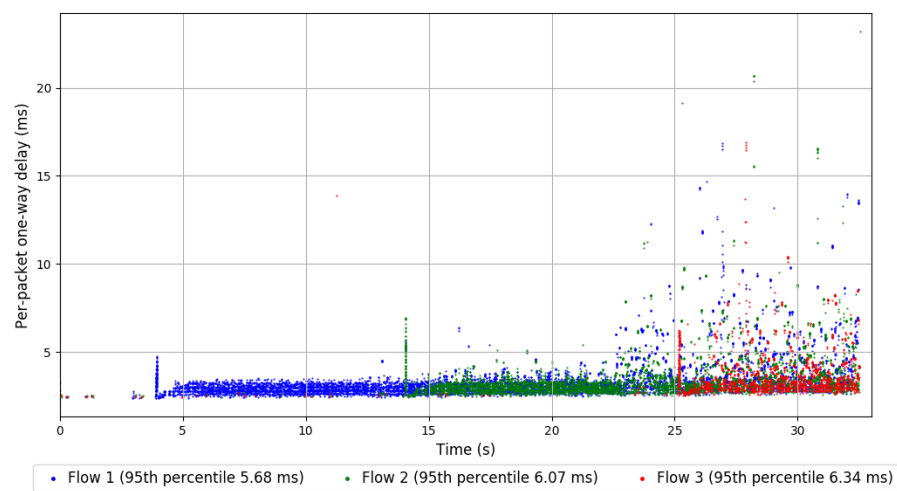
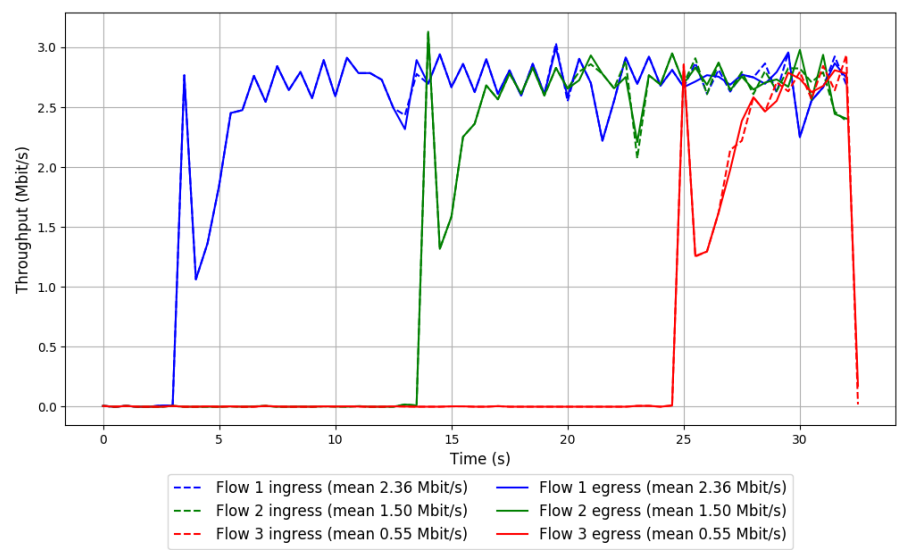


Run 8: Statistics of WebRTC media

Start at: 2018-02-20 15:47:39
End at: 2018-02-20 15:48:09
Local clock offset: -4.548 ms
Remote clock offset: -13.385 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 6.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 5.685 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 6.072 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 6.339 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

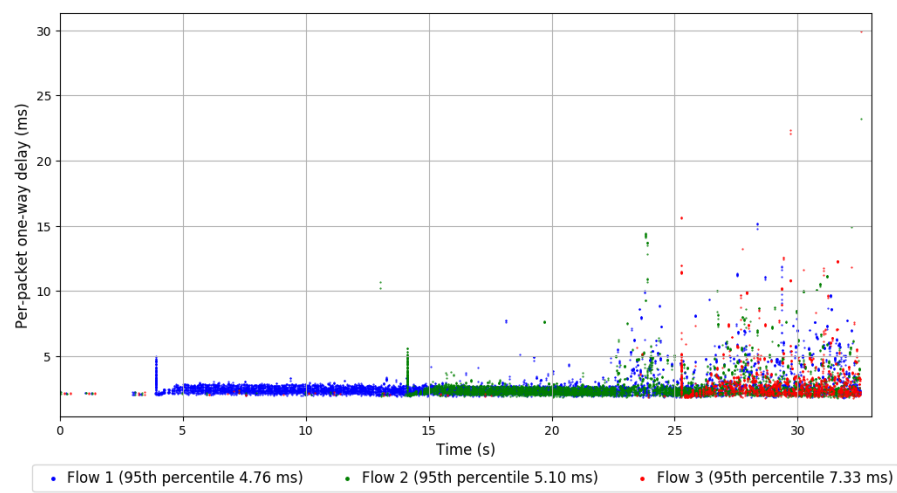
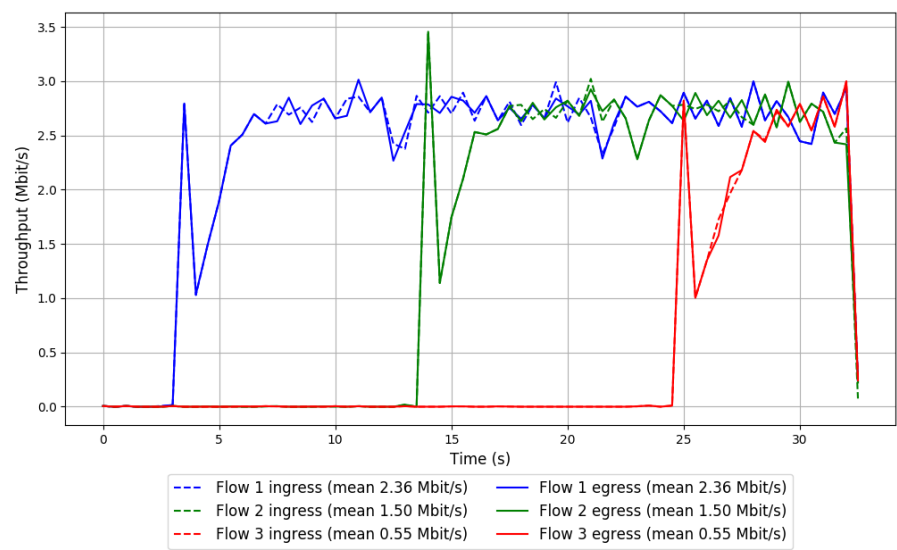


Run 9: Statistics of WebRTC media

Start at: 2018-02-20 16:08:08
End at: 2018-02-20 16:08:39
Local clock offset: -1.082 ms
Remote clock offset: -4.569 ms

Below is generated by plot.py at 2018-02-20 17:10:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 5.125 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 4.759 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 5.104 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 7.328 ms
Loss rate: 0.06%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-20 16:28:42

End at: 2018-02-20 16:29:12

Local clock offset: -2.019 ms

Remote clock offset: 3.818 ms

Below is generated by plot.py at 2018-02-20 17:10:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 5.159 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 5.078 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 4.900 ms

Loss rate: 0.02%

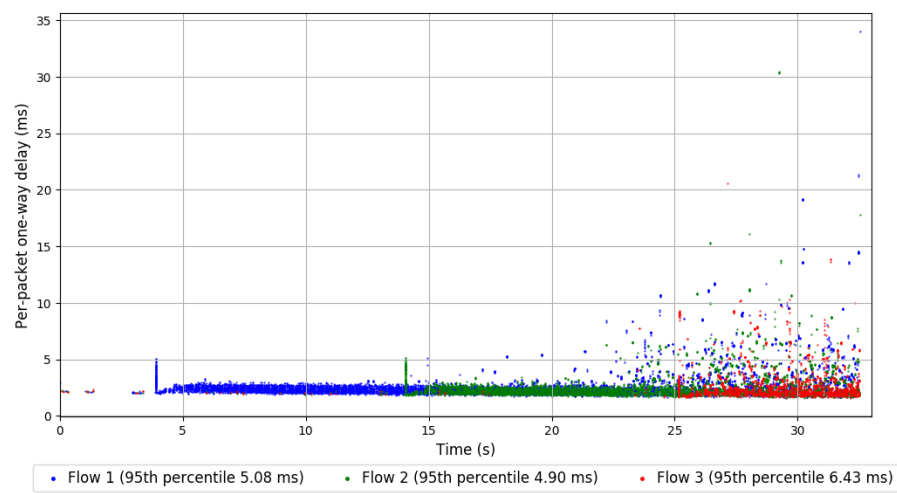
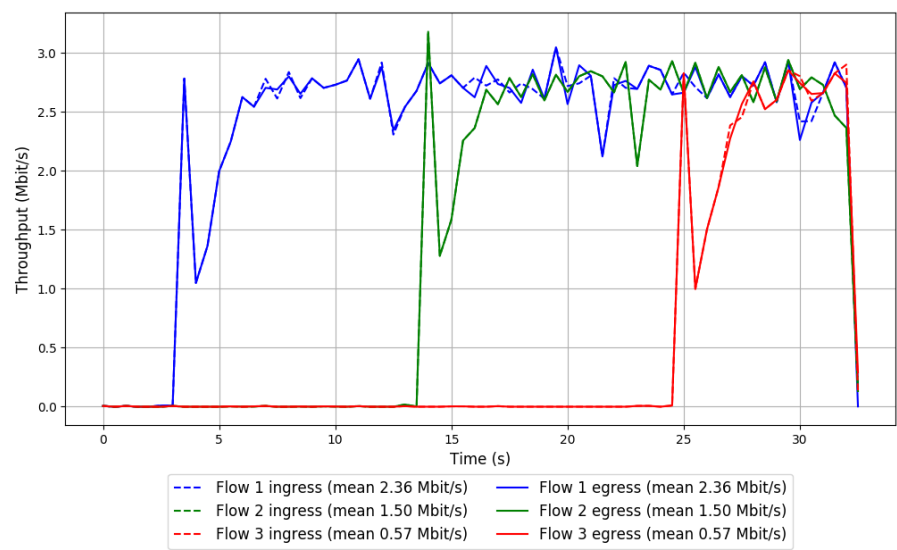
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 6.435 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

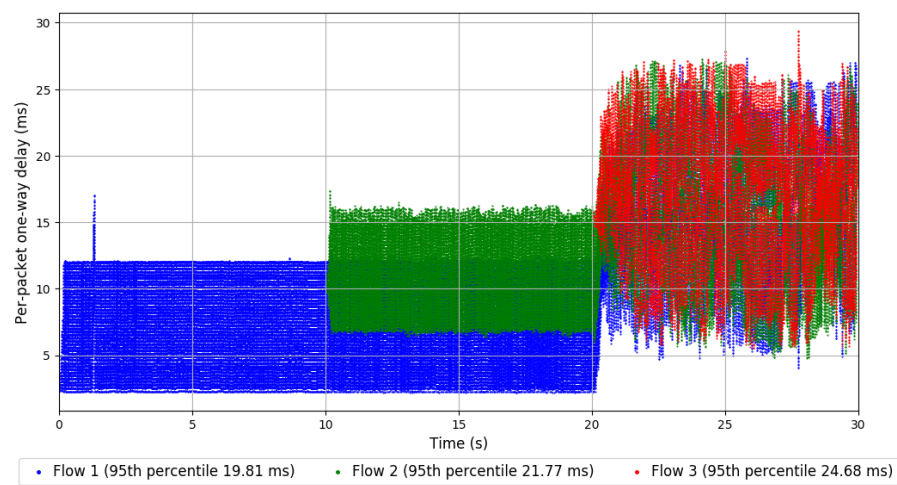
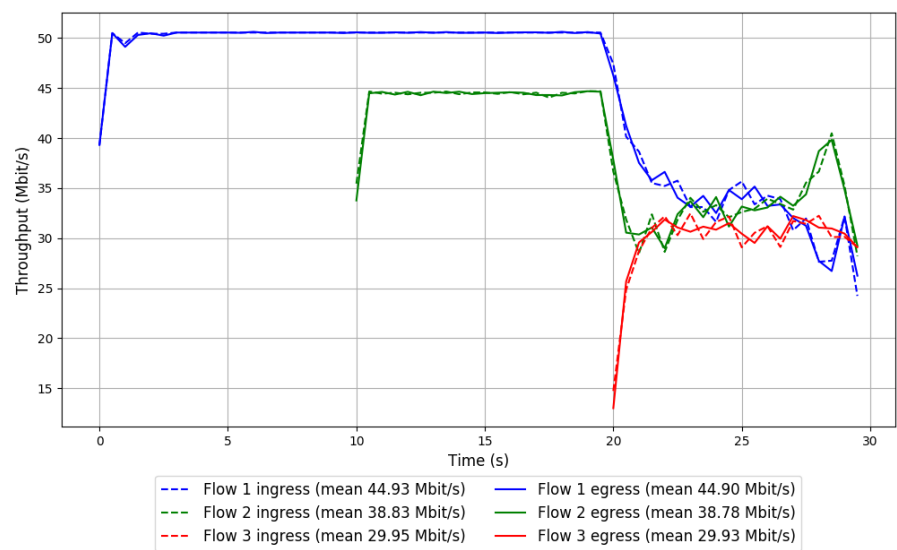


Run 1: Statistics of Sprout

Start at: 2018-02-20 13:20:32
End at: 2018-02-20 13:21:02
Local clock offset: -13.95 ms
Remote clock offset: -12.239 ms

Below is generated by plot.py at 2018-02-20 17:10:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.59 Mbit/s
95th percentile per-packet one-way delay: 22.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 19.809 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 21.768 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 24.676 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

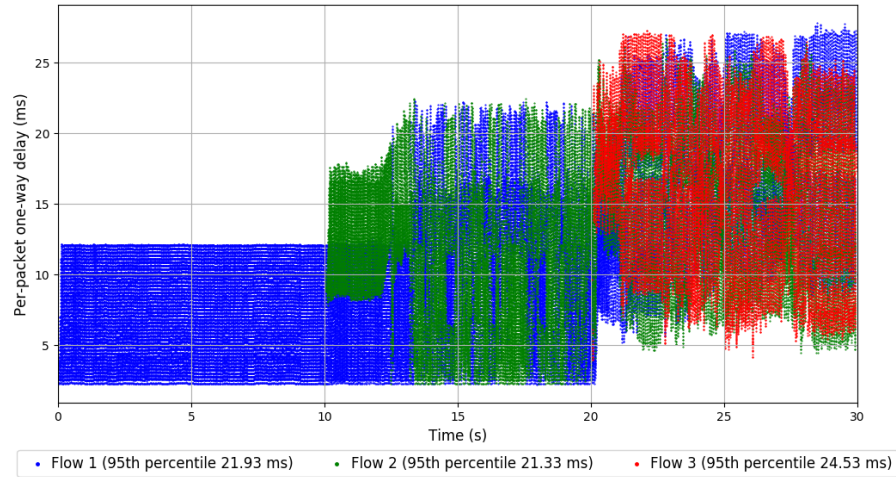
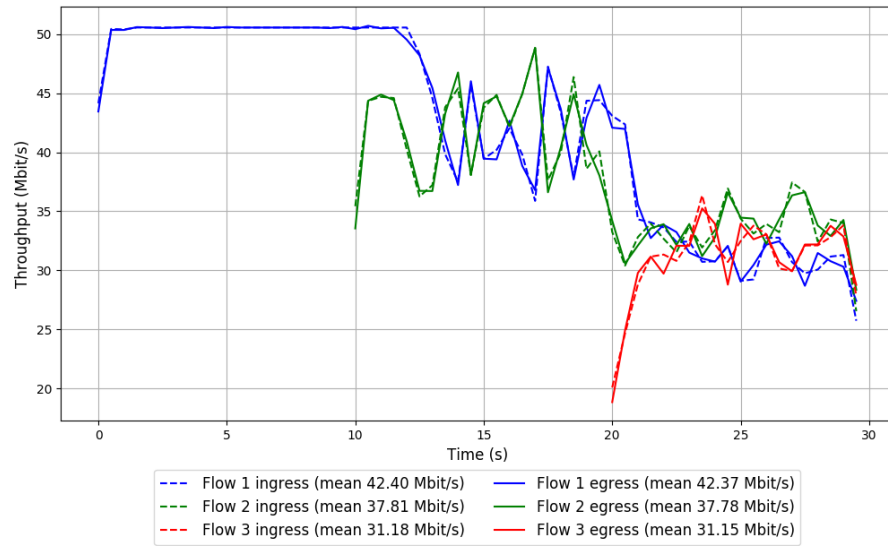


Run 2: Statistics of Sprout

Start at: 2018-02-20 13:41:04
End at: 2018-02-20 13:41:34
Local clock offset: -14.848 ms
Remote clock offset: -12.535 ms

Below is generated by plot.py at 2018-02-20 17:10:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 22.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.37 Mbit/s
95th percentile per-packet one-way delay: 21.930 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 21.329 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 24.526 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

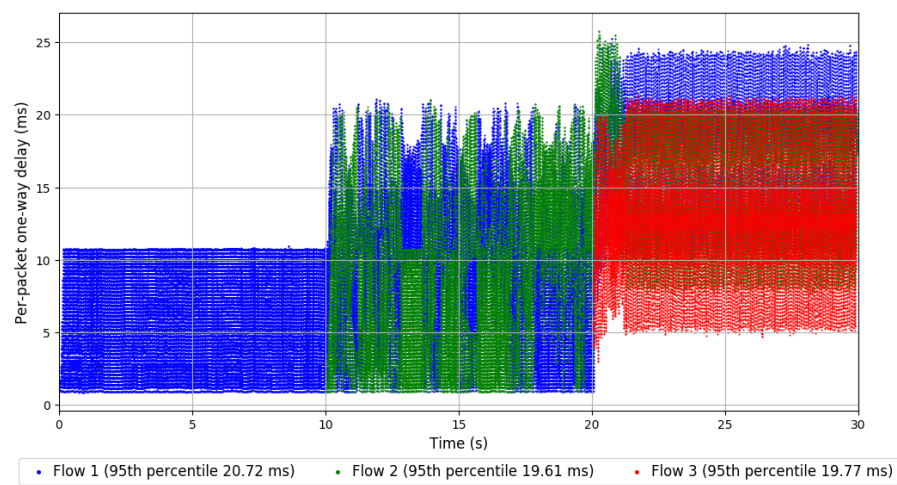
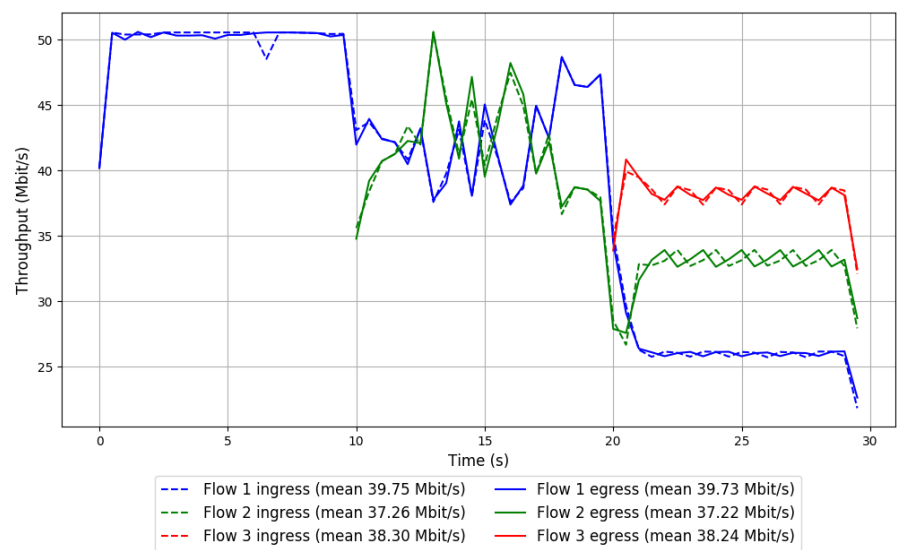


Run 3: Statistics of Sprout

Start at: 2018-02-20 14:01:36
End at: 2018-02-20 14:02:06
Local clock offset: -13.217 ms
Remote clock offset: -14.202 ms

```
# Below is generated by plot.py at 2018-02-20 17:10:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 20.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 20.718 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 19.772 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

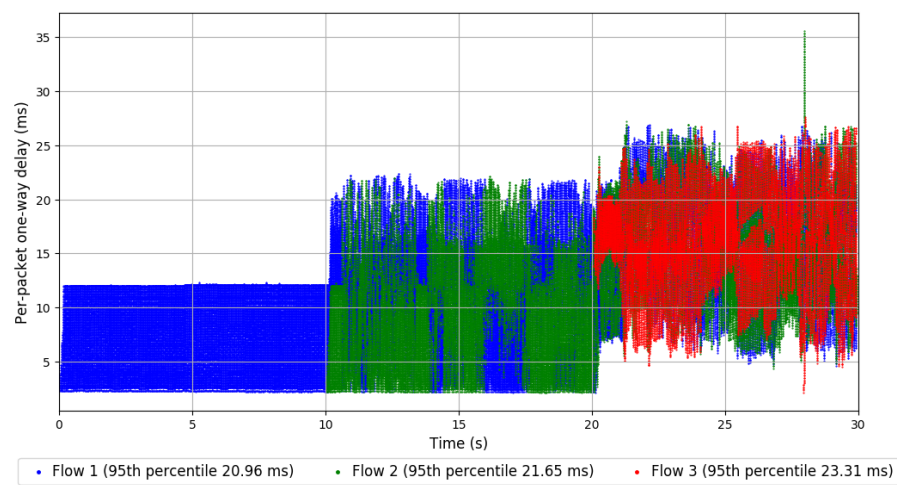
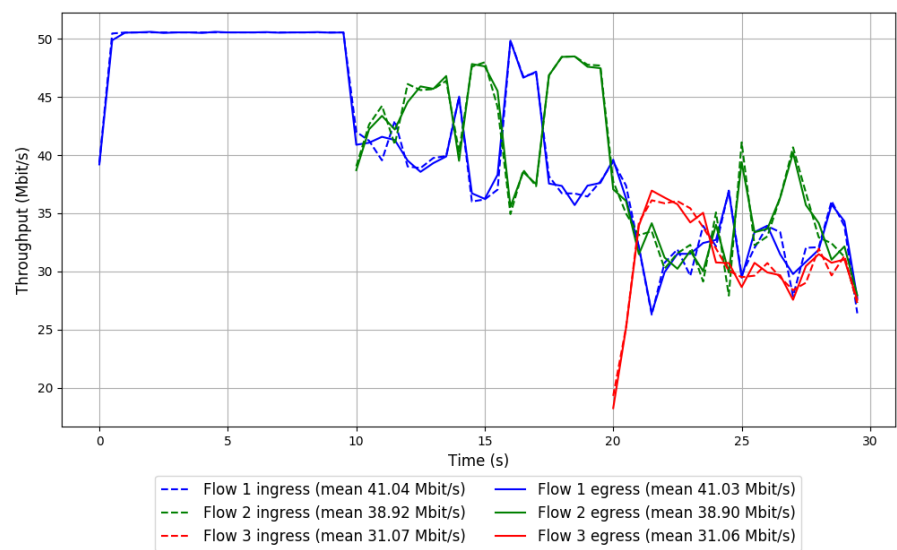


Run 4: Statistics of Sprout

Start at: 2018-02-20 14:22:09
End at: 2018-02-20 14:22:39
Local clock offset: -12.463 ms
Remote clock offset: -12.637 ms

```
# Below is generated by plot.py at 2018-02-20 17:10:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 21.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.03 Mbit/s
95th percentile per-packet one-way delay: 20.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 21.649 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 23.306 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

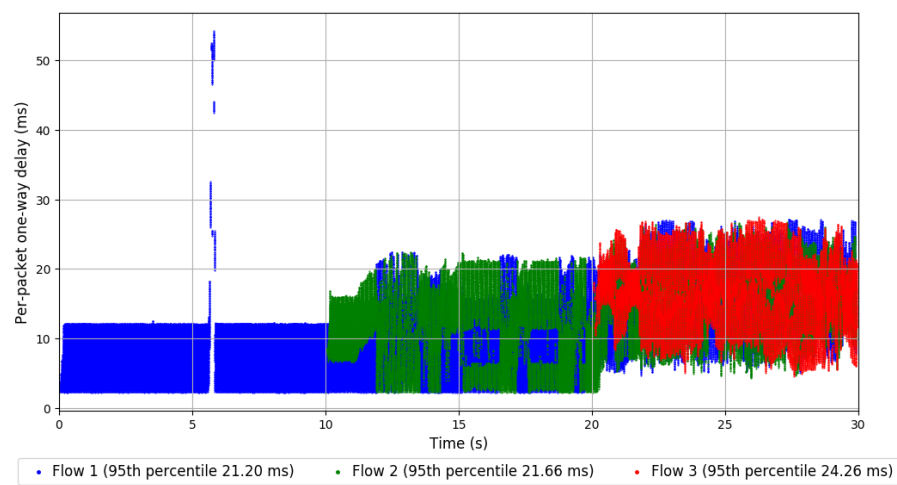
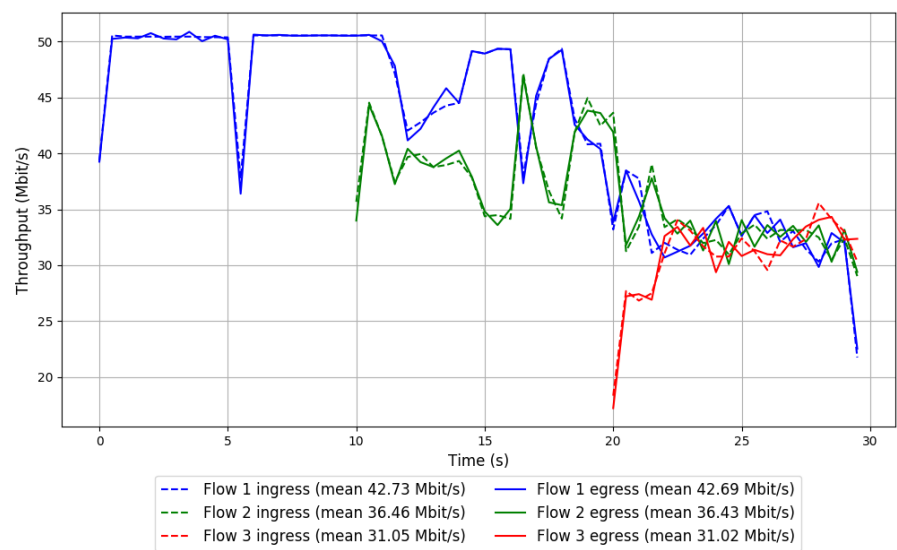


Run 5: Statistics of Sprout

Start at: 2018-02-20 14:42:42
End at: 2018-02-20 14:43:12
Local clock offset: -15.999 ms
Remote clock offset: -12.638 ms

Below is generated by plot.py at 2018-02-20 17:10:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.15 Mbit/s
95th percentile per-packet one-way delay: 22.139 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 42.69 Mbit/s
95th percentile per-packet one-way delay: 21.201 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 21.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 24.261 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

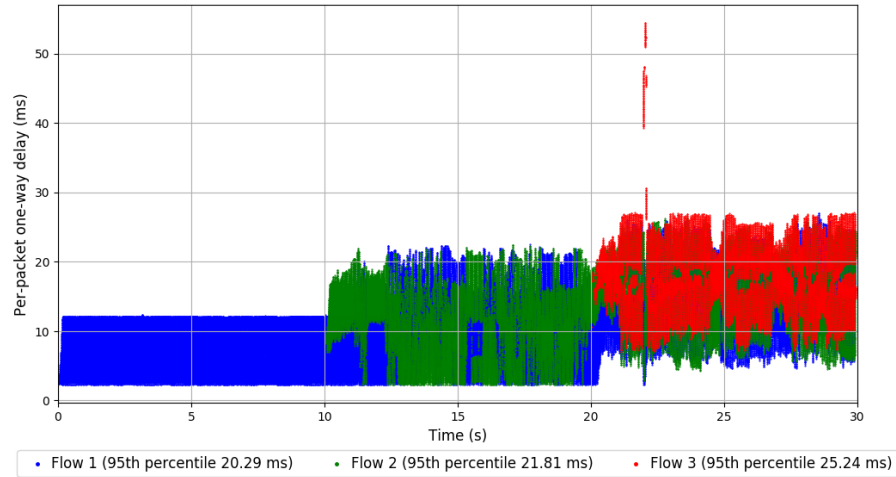
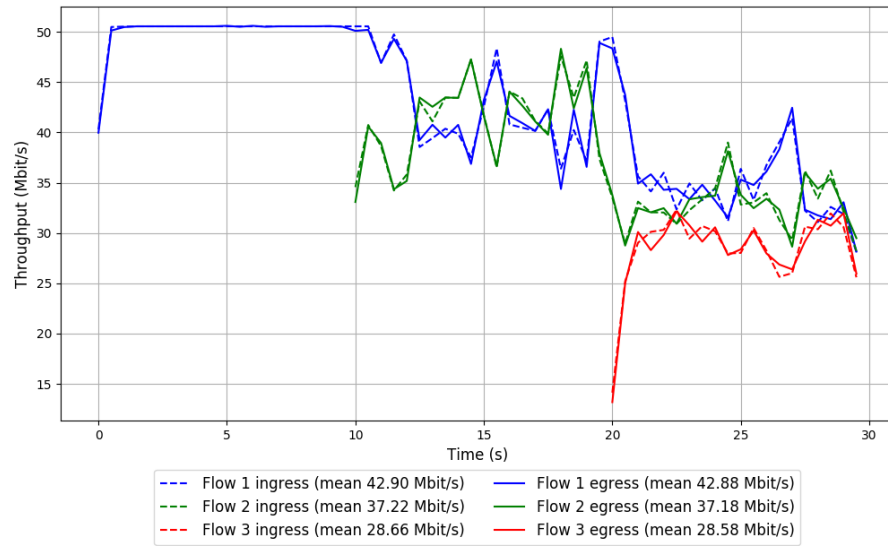


Run 6: Statistics of Sprout

Start at: 2018-02-20 15:03:13
End at: 2018-02-20 15:03:43
Local clock offset: -16.883 ms
Remote clock offset: -12.777 ms

Below is generated by plot.py at 2018-02-20 17:10:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 22.143 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 42.88 Mbit/s
95th percentile per-packet one-way delay: 20.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 21.813 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.58 Mbit/s
95th percentile per-packet one-way delay: 25.244 ms
Loss rate: 0.20%

Run 6: Report of Sprout — Data Link

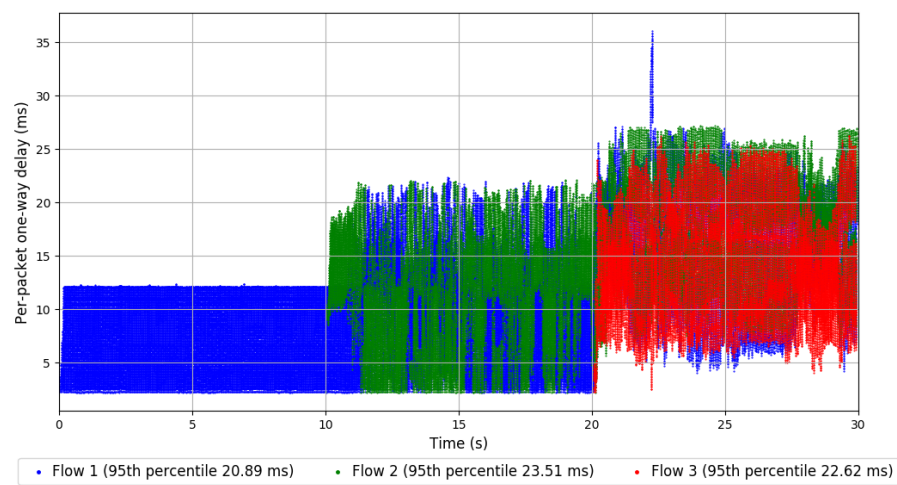
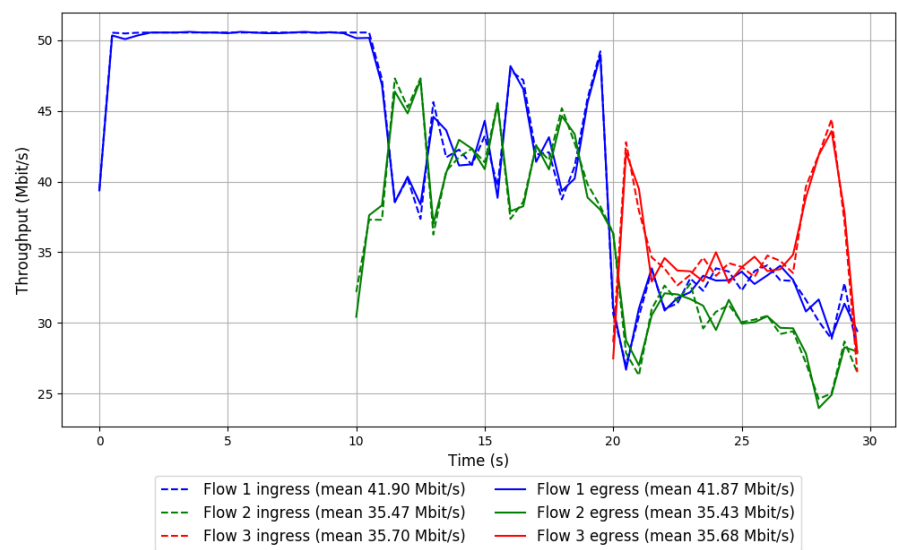


Run 7: Statistics of Sprout

Start at: 2018-02-20 15:23:45
End at: 2018-02-20 15:24:15
Local clock offset: -17.49 ms
Remote clock offset: -13.125 ms

Below is generated by plot.py at 2018-02-20 17:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.23 Mbit/s
95th percentile per-packet one-way delay: 22.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.87 Mbit/s
95th percentile per-packet one-way delay: 20.885 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 23.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 22.616 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

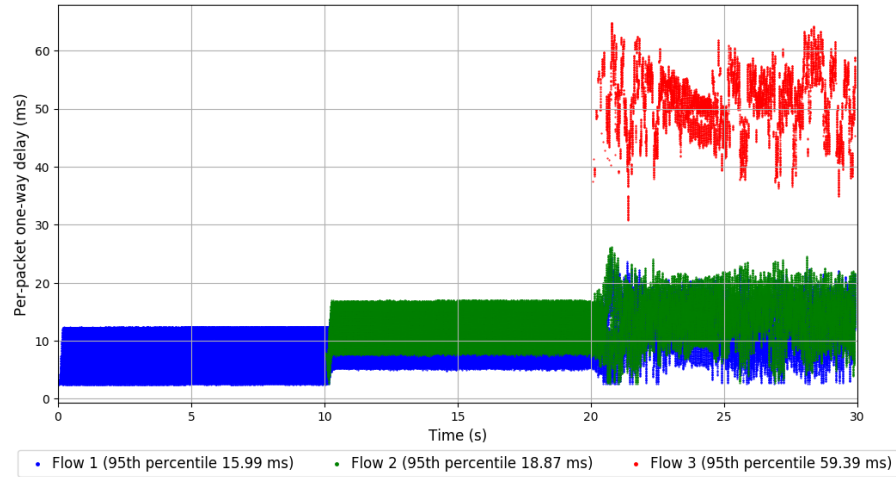
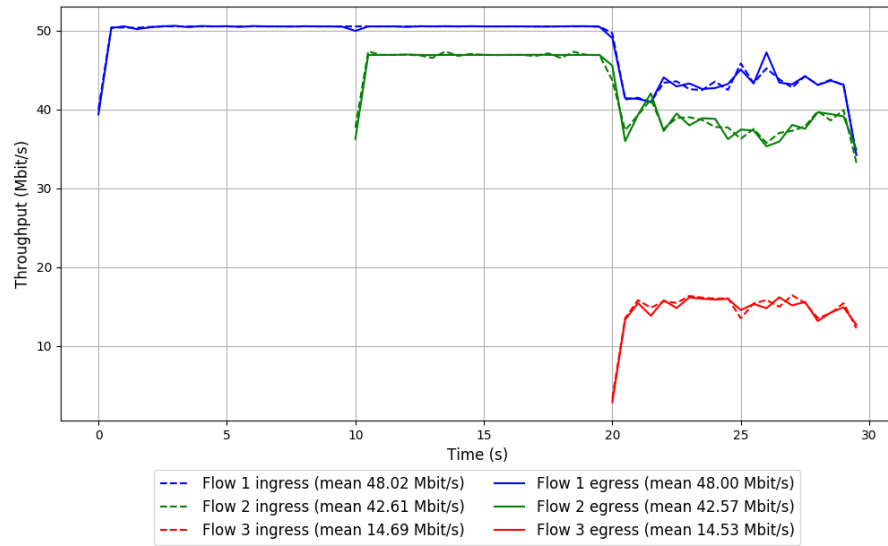


Run 8: Statistics of Sprout

Start at: 2018-02-20 15:44:15
End at: 2018-02-20 15:44:45
Local clock offset: -5.969 ms
Remote clock offset: -13.412 ms

Below is generated by plot.py at 2018-02-20 17:11:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.10 Mbit/s
95th percentile per-packet one-way delay: 45.049 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 48.00 Mbit/s
95th percentile per-packet one-way delay: 15.987 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.57 Mbit/s
95th percentile per-packet one-way delay: 18.870 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 59.388 ms
Loss rate: 1.20%

Run 8: Report of Sprout — Data Link

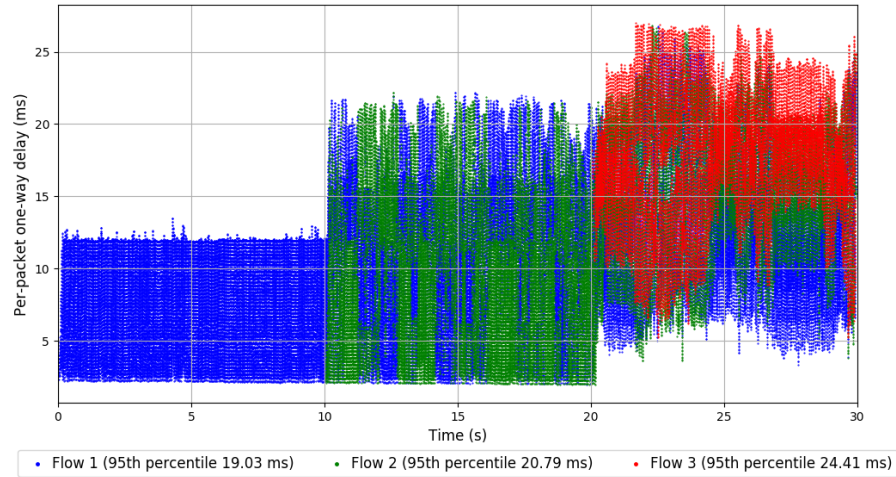
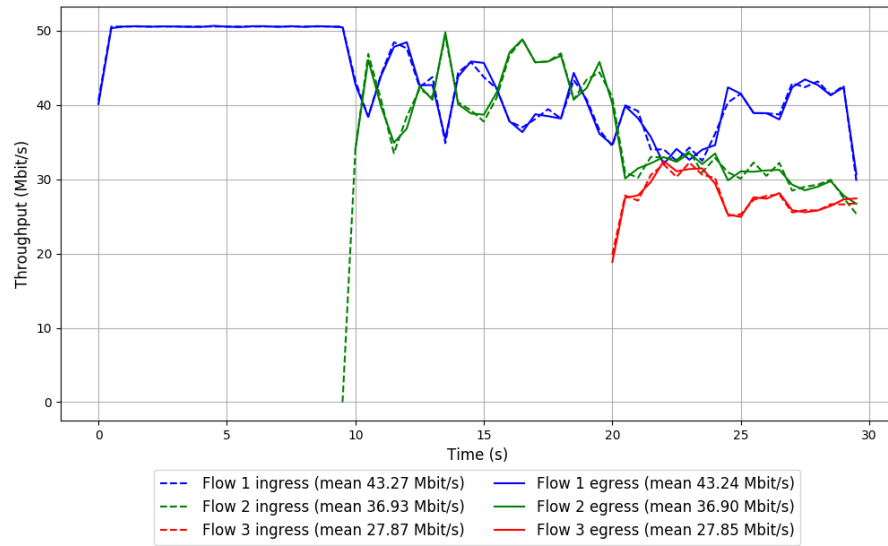


Run 9: Statistics of Sprout

Start at: 2018-02-20 16:04:44
End at: 2018-02-20 16:05:14
Local clock offset: 0.036 ms
Remote clock offset: -5.529 ms

```
# Below is generated by plot.py at 2018-02-20 17:11:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.01 Mbit/s
95th percentile per-packet one-way delay: 21.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 20.794 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 24.408 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

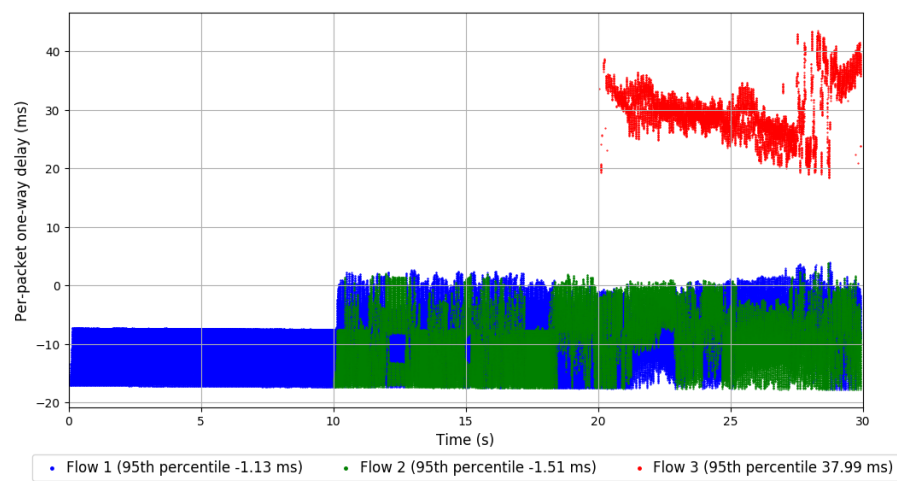
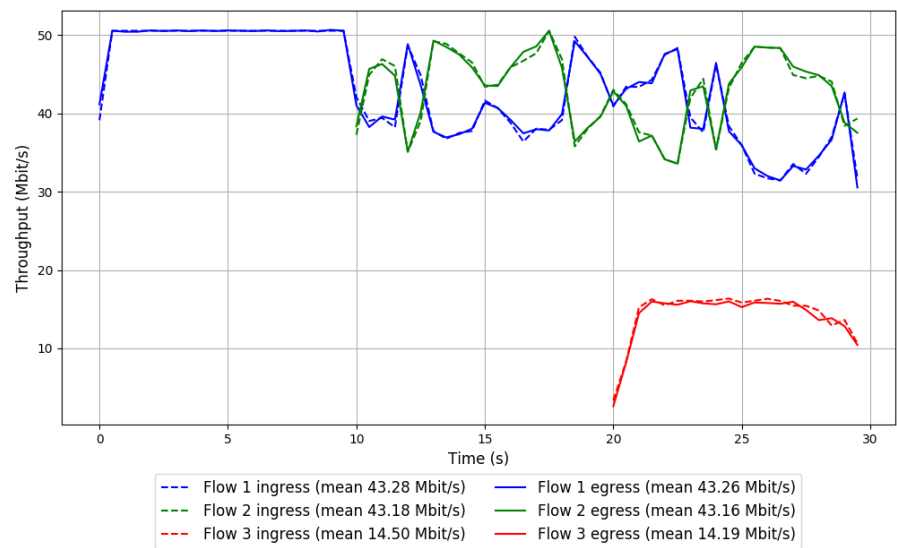


Run 10: Statistics of Sprout

Start at: 2018-02-20 16:25:16
End at: 2018-02-20 16:25:46
Local clock offset: -2.196 ms
Remote clock offset: -19.783 ms

```
# Below is generated by plot.py at 2018-02-20 17:11:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.64 Mbit/s
95th percentile per-packet one-way delay: 26.245 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: -1.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: -1.510 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 37.992 ms
Loss rate: 2.24%
```

Run 10: Report of Sprout — Data Link

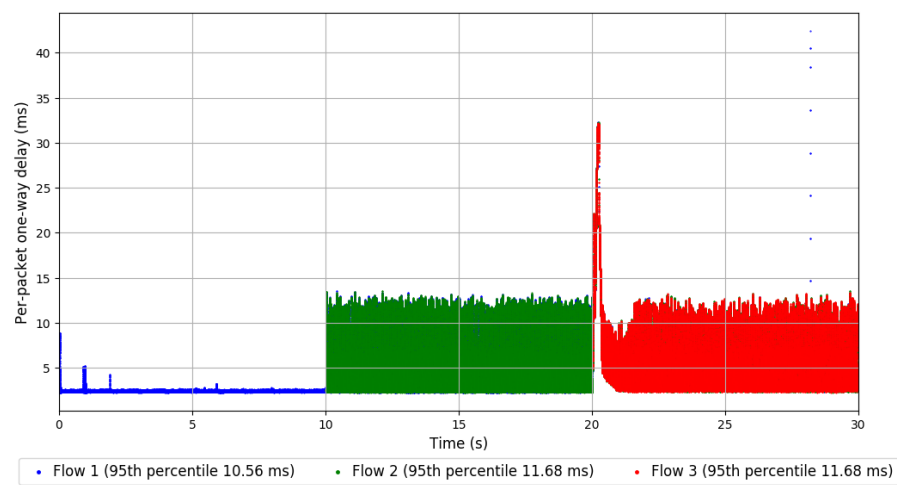
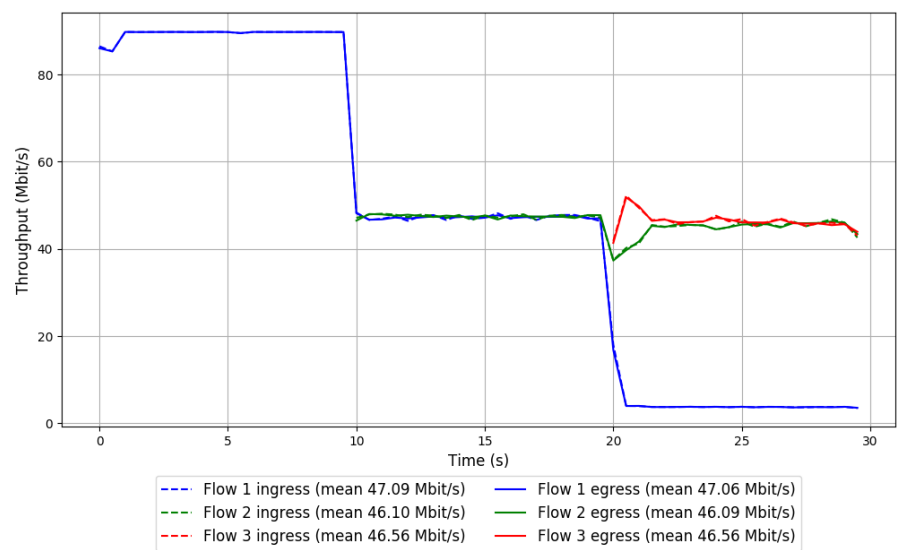


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-20 13:12:30
End at: 2018-02-20 13:13:00
Local clock offset: -13.098 ms
Remote clock offset: -12.212 ms

# Below is generated by plot.py at 2018-02-20 17:12:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 11.318 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.06 Mbit/s
95th percentile per-packet one-way delay: 10.559 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 11.678 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 11.678 ms
Loss rate: 0.01%
```


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

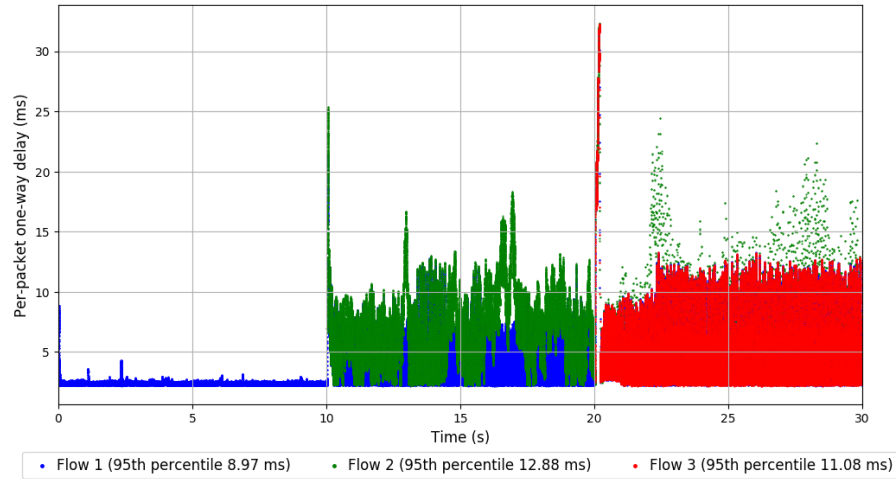
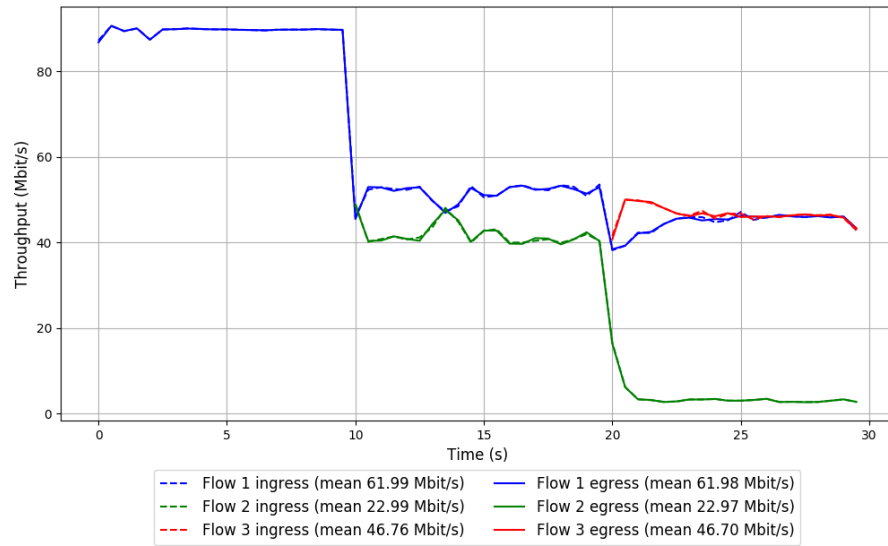


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-20 13:33:03
End at: 2018-02-20 13:33:33
Local clock offset: -14.666 ms
Remote clock offset: -12.346 ms

Below is generated by plot.py at 2018-02-20 17:12:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 10.486 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.98 Mbit/s
95th percentile per-packet one-way delay: 8.974 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 12.877 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 11.079 ms
Loss rate: 0.05%

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

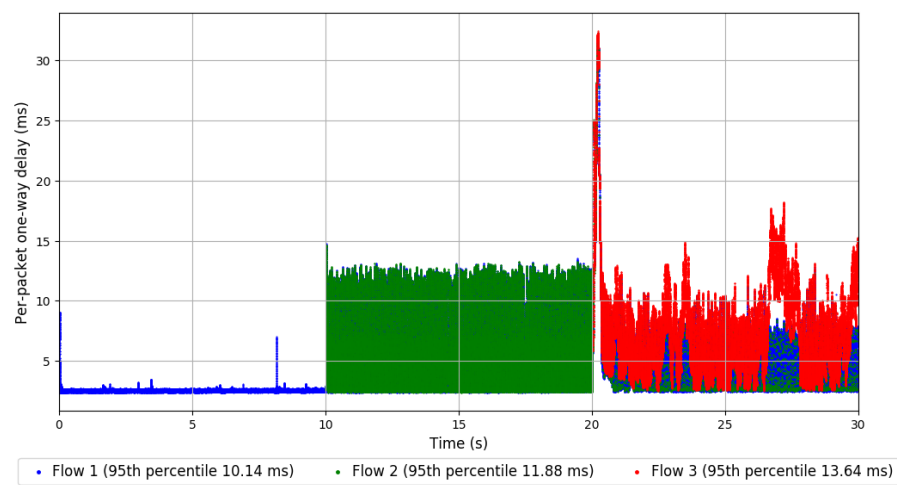
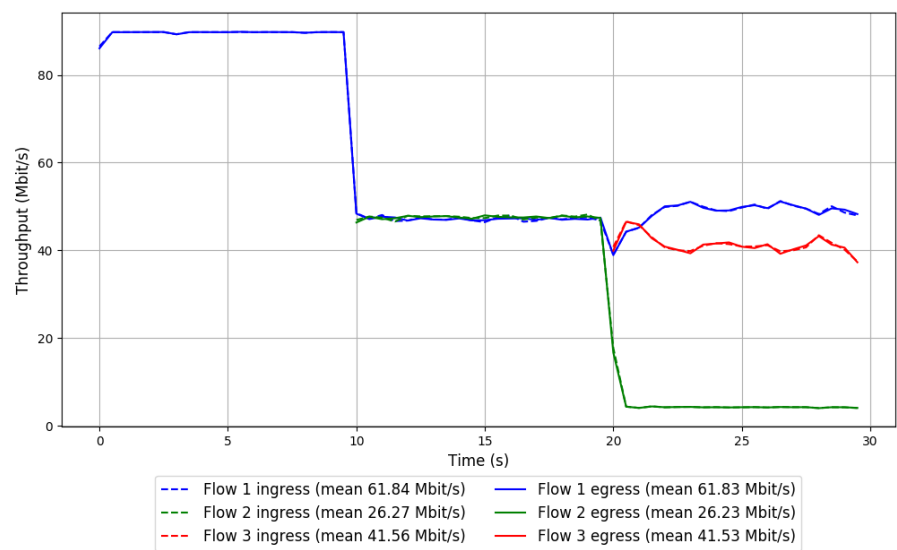


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-20 13:53:35
End at: 2018-02-20 13:54:05
Local clock offset: -14.027 ms
Remote clock offset: -12.728 ms

Below is generated by plot.py at 2018-02-20 17:12:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 11.349 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 10.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 11.876 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 13.637 ms
Loss rate: 0.13%

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

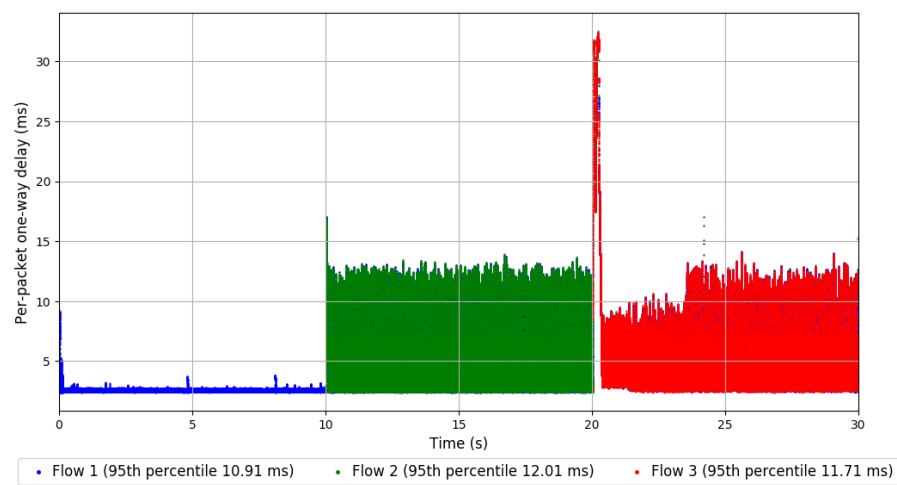
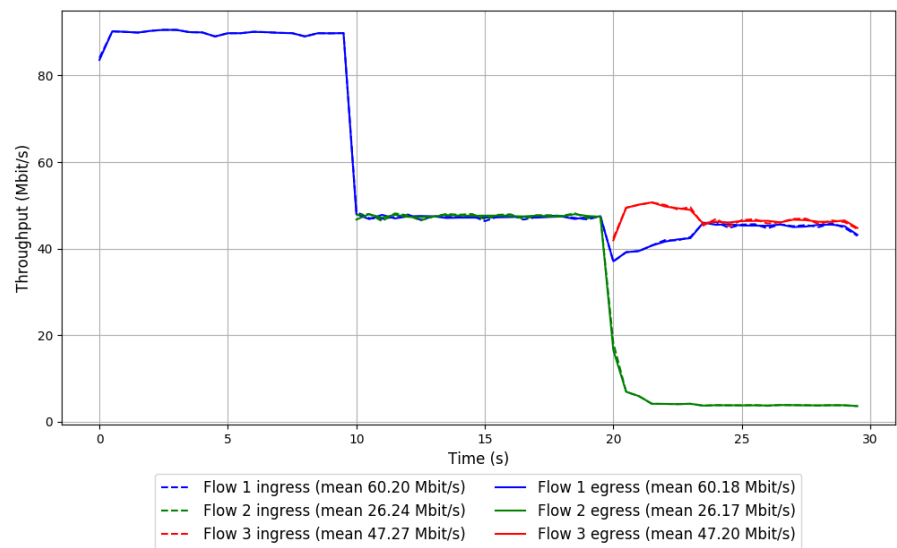


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-20 14:14:07
End at: 2018-02-20 14:14:37
Local clock offset: -12.767 ms
Remote clock offset: -12.689 ms

Below is generated by plot.py at 2018-02-20 17:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 11.409 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 60.18 Mbit/s
95th percentile per-packet one-way delay: 10.908 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 12.005 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 47.20 Mbit/s
95th percentile per-packet one-way delay: 11.709 ms
Loss rate: 0.02%

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

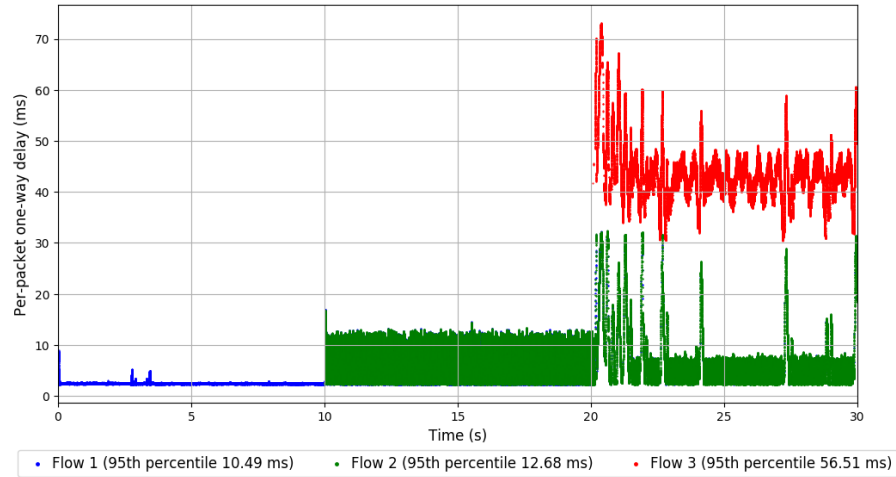
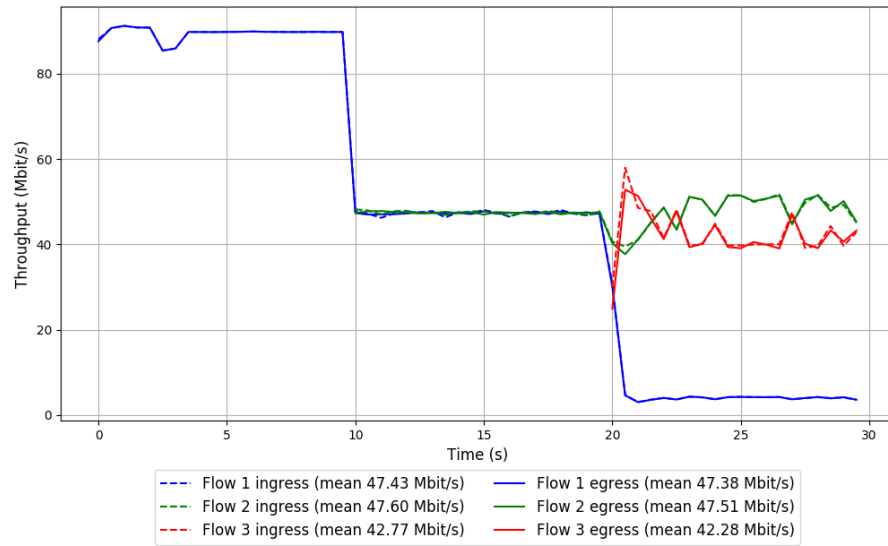


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-20 14:34:41
End at: 2018-02-20 14:35:11
Local clock offset: -15.296 ms
Remote clock offset: -12.622 ms

Below is generated by plot.py at 2018-02-20 17:13:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 44.215 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 10.489 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 12.683 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 42.28 Mbit/s
95th percentile per-packet one-way delay: 56.513 ms
Loss rate: 1.37%

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

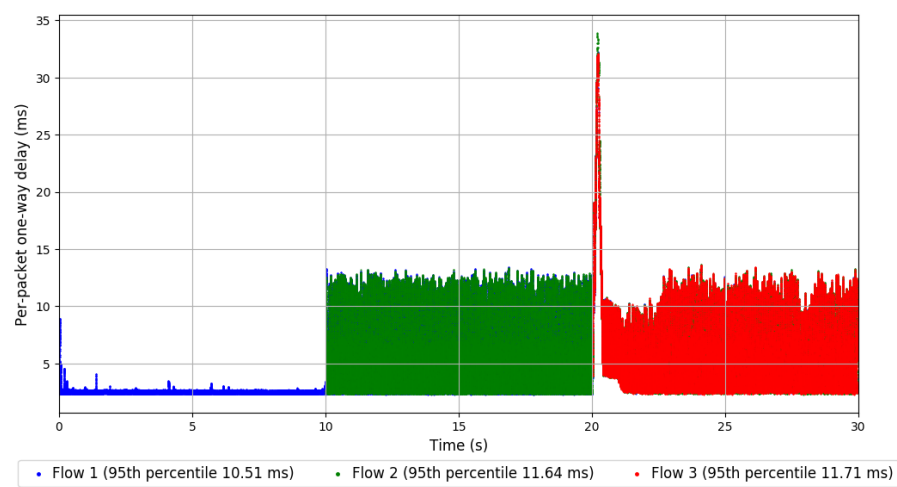
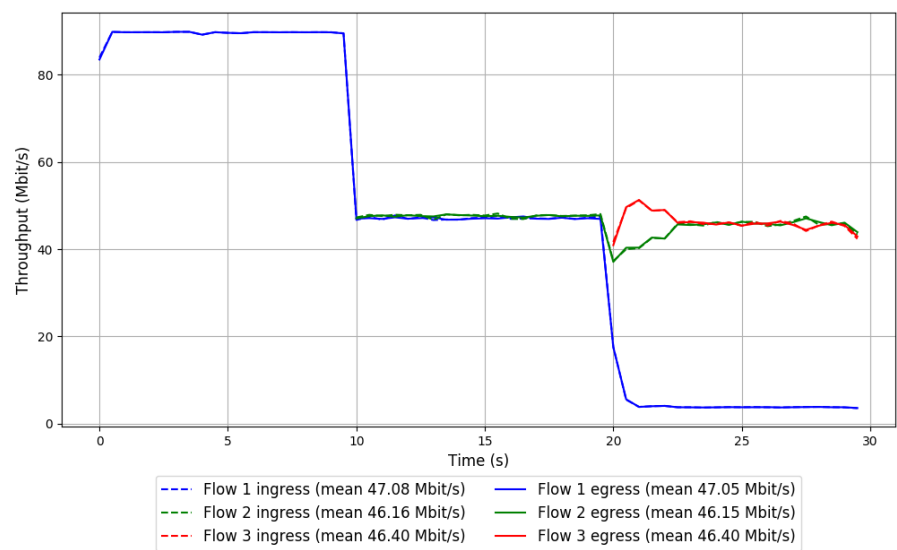


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-20 14:55:11
End at: 2018-02-20 14:55:41
Local clock offset: -16.663 ms
Remote clock offset: -12.719 ms

Below is generated by plot.py at 2018-02-20 17:13:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 11.259 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 10.505 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 11.641 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 46.40 Mbit/s
95th percentile per-packet one-way delay: 11.706 ms
Loss rate: 0.01%

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

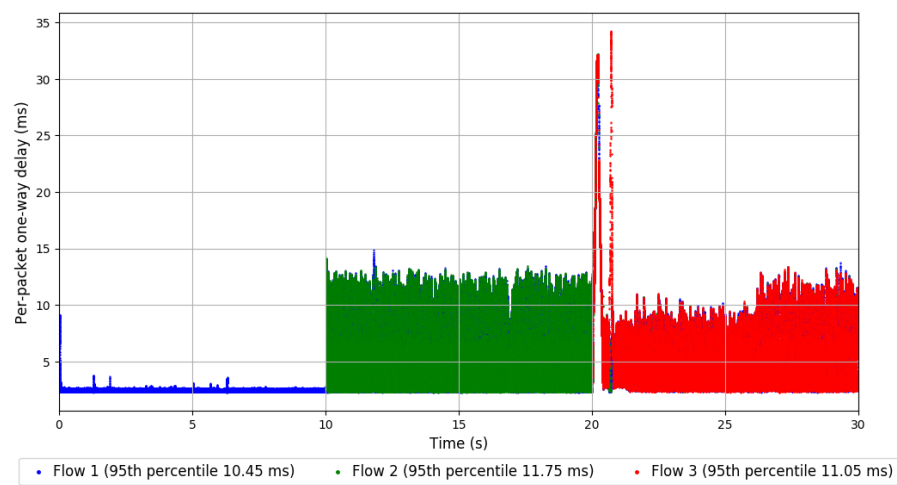
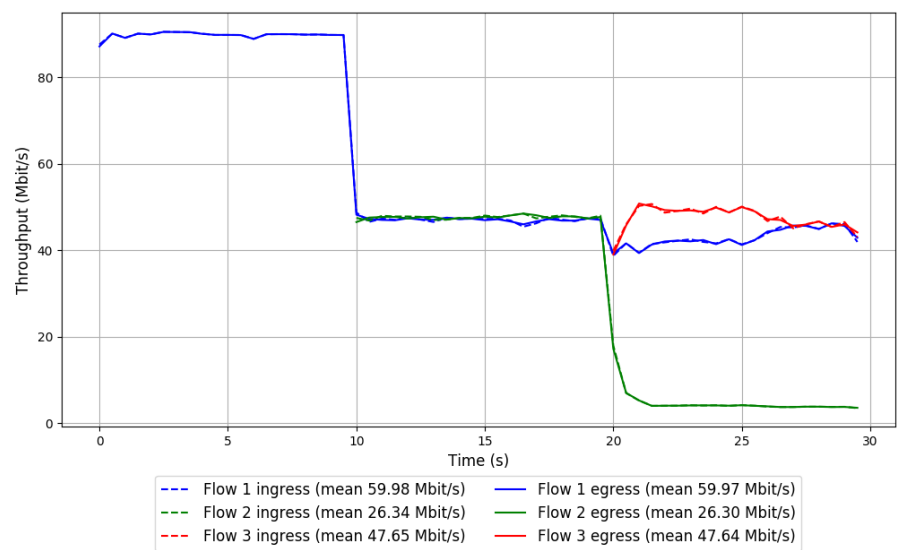


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-20 15:15:44
End at: 2018-02-20 15:16:14
Local clock offset: -17.276 ms
Remote clock offset: -12.998 ms

Below is generated by plot.py at 2018-02-20 17:13:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 10.999 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 10.447 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 11.754 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 11.055 ms
Loss rate: 0.02%

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

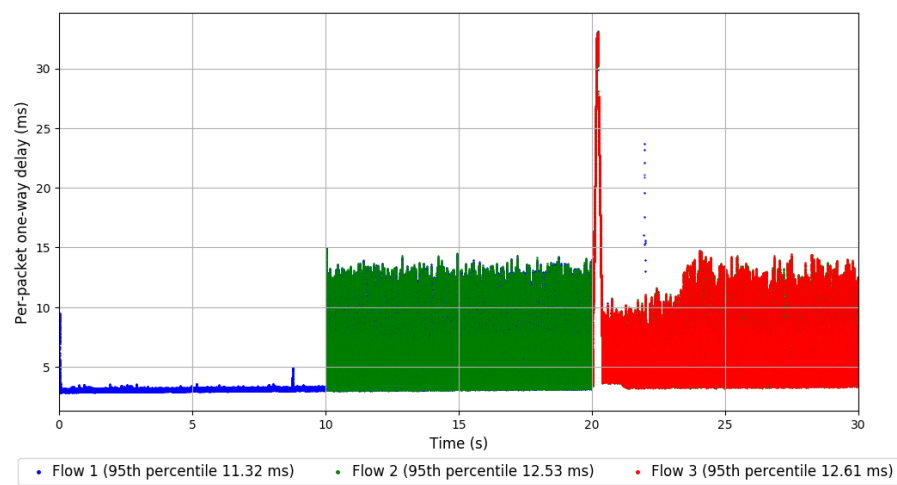
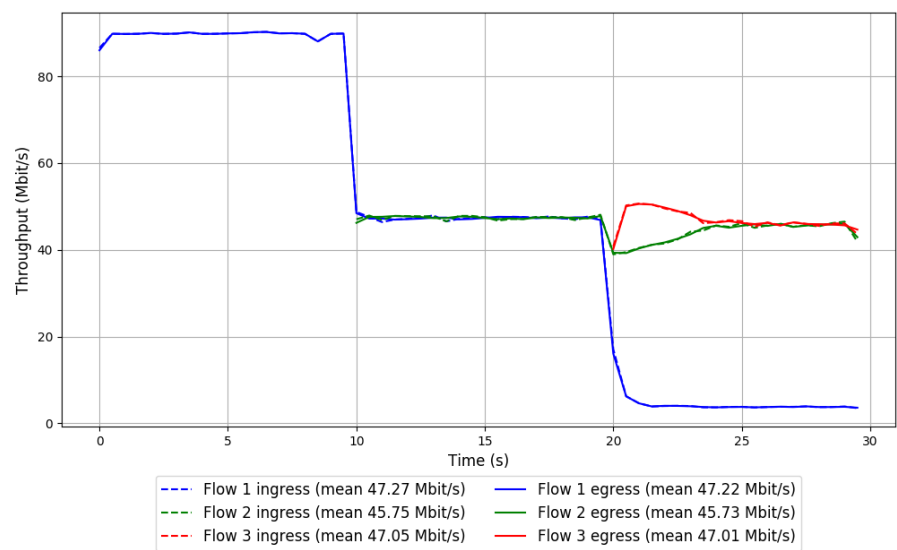


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-20 15:36:13
End at: 2018-02-20 15:36:43
Local clock offset: -11.386 ms
Remote clock offset: -13.196 ms

Below is generated by plot.py at 2018-02-20 17:13:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 12.135 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.22 Mbit/s
95th percentile per-packet one-way delay: 11.325 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 45.73 Mbit/s
95th percentile per-packet one-way delay: 12.530 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 12.605 ms
Loss rate: 0.02%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-20 15:56:44

End at: 2018-02-20 15:57:14

Local clock offset: -1.749 ms

Remote clock offset: -8.83 ms

Below is generated by plot.py at 2018-02-20 17:15:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.33 Mbit/s

95th percentile per-packet one-way delay: 11.101 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 60.37 Mbit/s

95th percentile per-packet one-way delay: 10.657 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.13 Mbit/s

95th percentile per-packet one-way delay: 11.752 ms

Loss rate: 0.12%

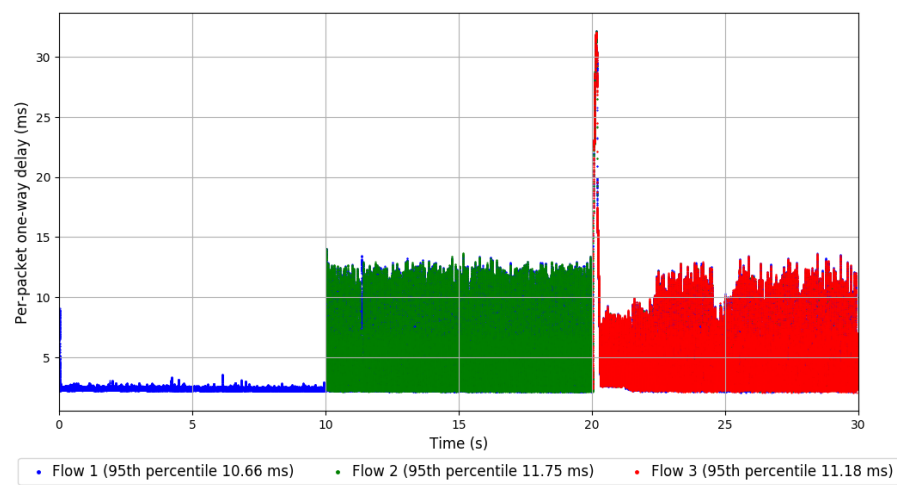
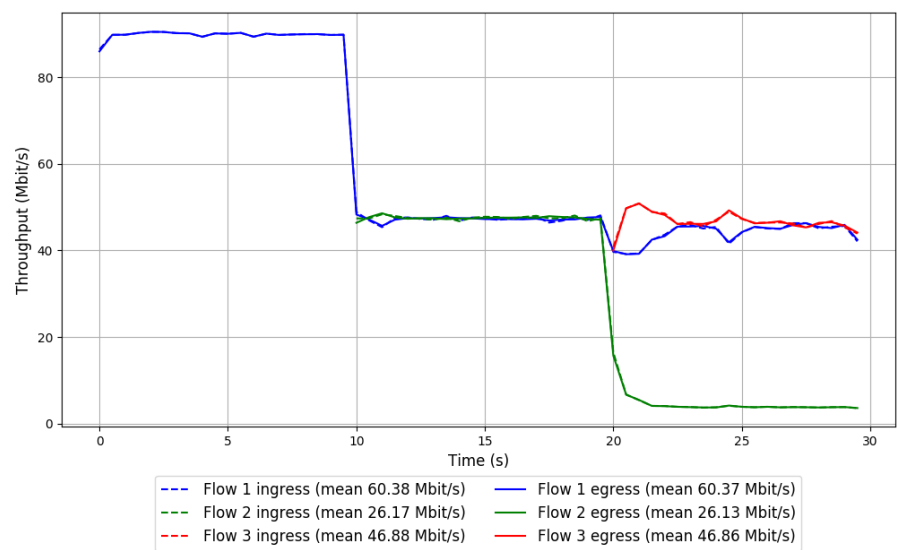
-- Flow 3:

Average throughput: 46.86 Mbit/s

95th percentile per-packet one-way delay: 11.176 ms

Loss rate: 0.05%

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

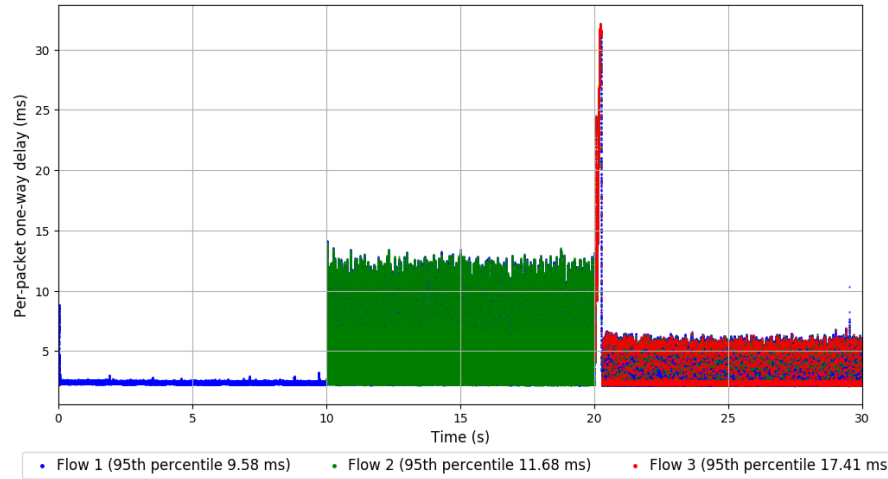
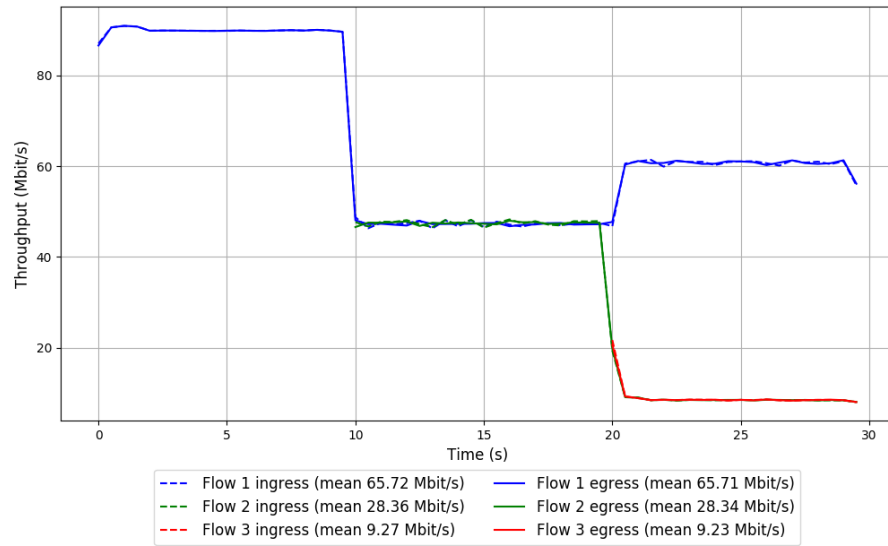


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-20 16:17:15
End at: 2018-02-20 16:17:45
Local clock offset: -2.361 ms
Remote clock offset: -2.629 ms

Below is generated by plot.py at 2018-02-20 17:15:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 10.674 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 9.580 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.34 Mbit/s
95th percentile per-packet one-way delay: 11.682 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 17.405 ms
Loss rate: 0.54%

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

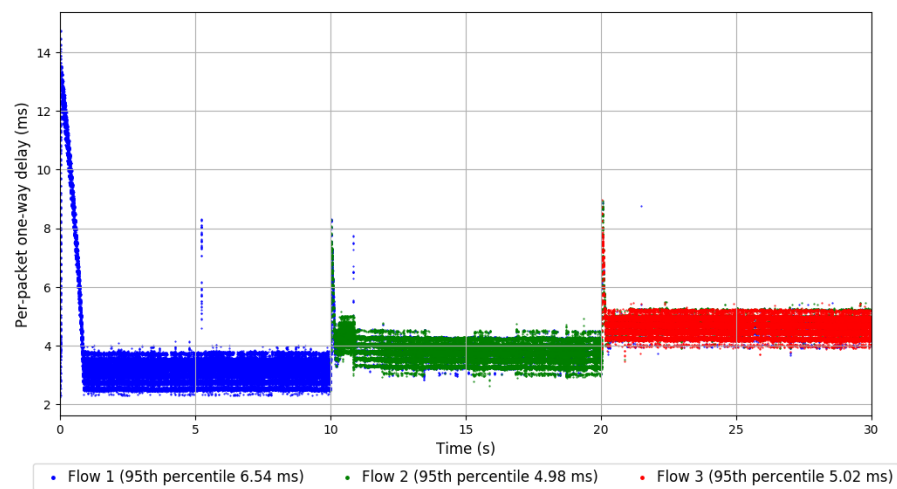
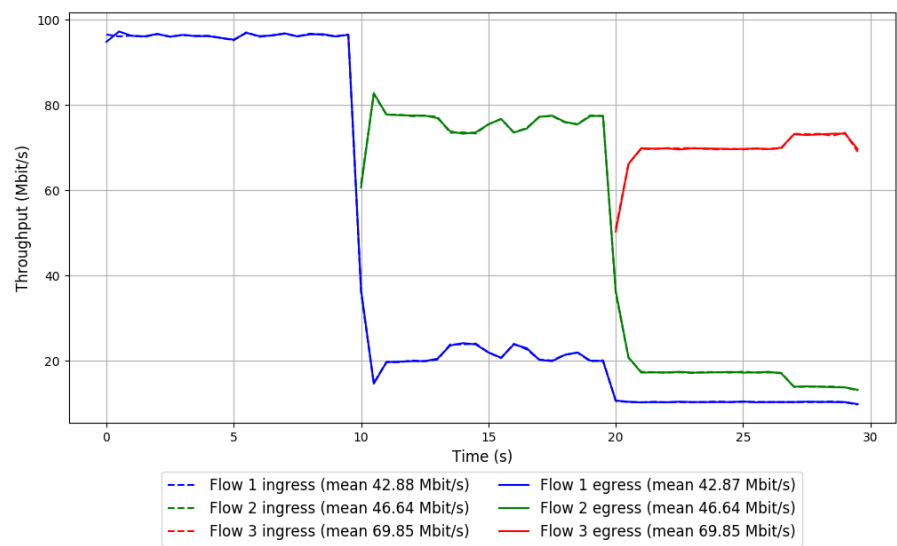


Run 1: Statistics of TCP Vegas

Start at: 2018-02-20 13:13:42
End at: 2018-02-20 13:14:12
Local clock offset: -13.086 ms
Remote clock offset: -12.199 ms

Below is generated by plot.py at 2018-02-20 17:15:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 5.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 6.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 4.976 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 5.021 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

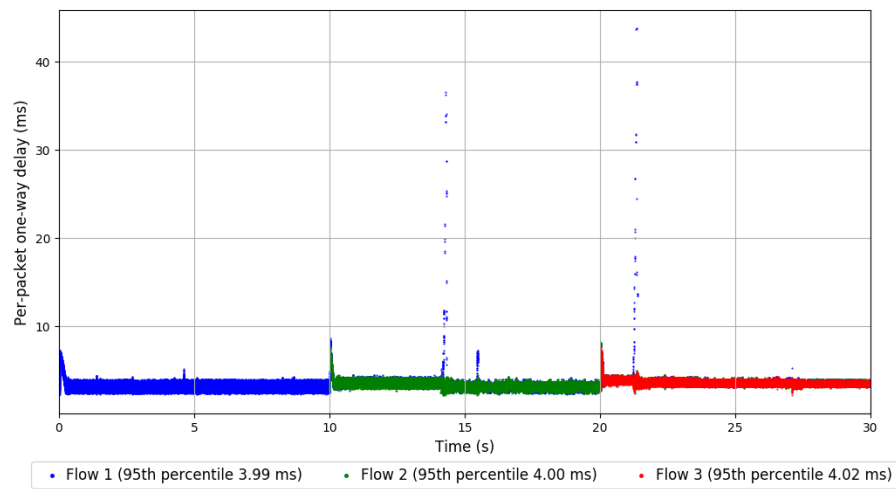
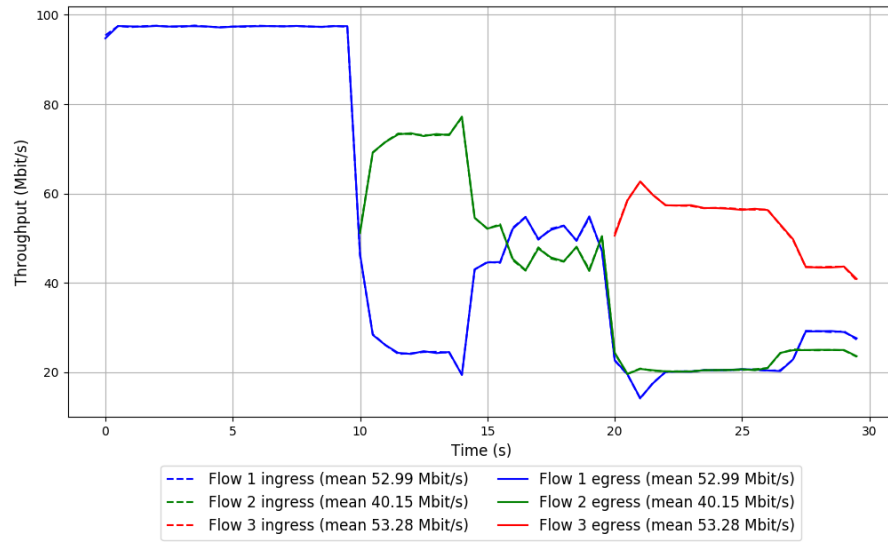


Run 2: Statistics of TCP Vegas

Start at: 2018-02-20 13:34:14
End at: 2018-02-20 13:34:44
Local clock offset: -14.688 ms
Remote clock offset: -12.293 ms

Below is generated by plot.py at 2018-02-20 17:15:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 3.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.99 Mbit/s
95th percentile per-packet one-way delay: 3.987 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 3.998 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 4.022 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

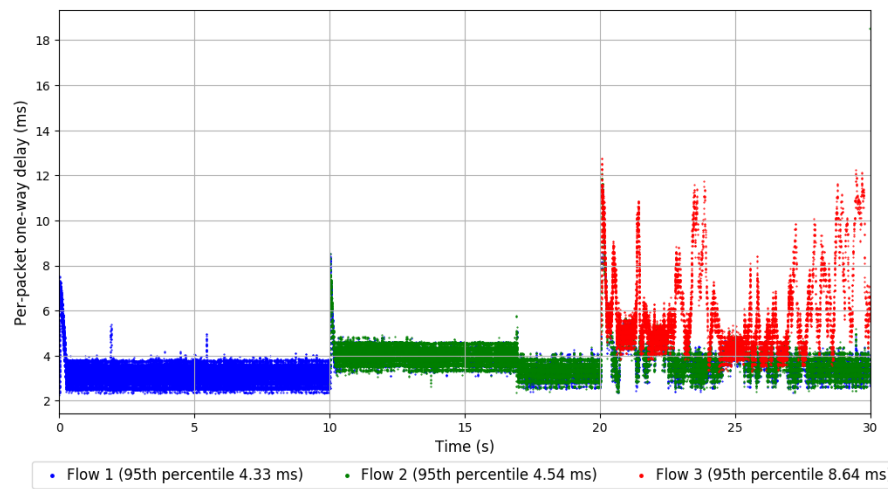
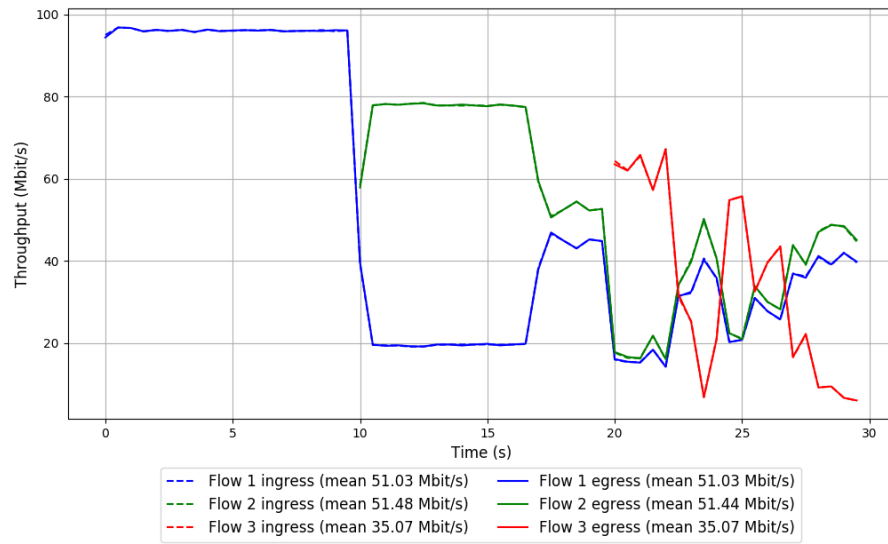


Run 3: Statistics of TCP Vegas

Start at: 2018-02-20 13:54:46
End at: 2018-02-20 13:55:16
Local clock offset: -13.859 ms
Remote clock offset: -12.748 ms

Below is generated by plot.py at 2018-02-20 17:15:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 5.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.03 Mbit/s
95th percentile per-packet one-way delay: 4.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.44 Mbit/s
95th percentile per-packet one-way delay: 4.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 8.644 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

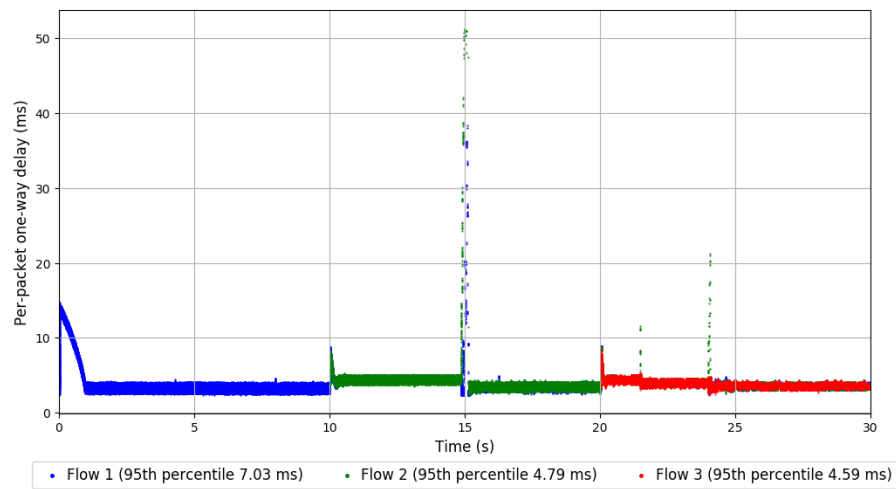
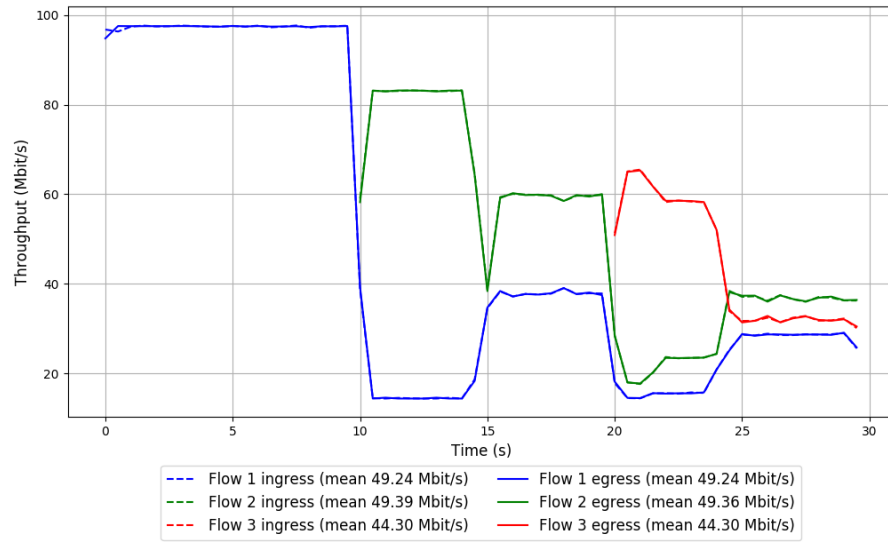


Run 4: Statistics of TCP Vegas

Start at: 2018-02-20 14:15:19
End at: 2018-02-20 14:15:49
Local clock offset: -12.698 ms
Remote clock offset: -12.692 ms

Below is generated by plot.py at 2018-02-20 17:15:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 4.802 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 7.026 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 4.791 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 44.30 Mbit/s
95th percentile per-packet one-way delay: 4.588 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

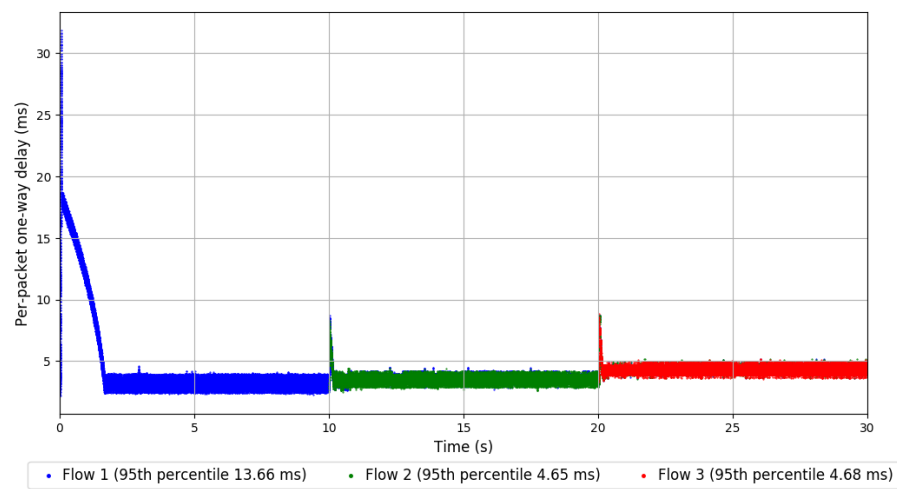
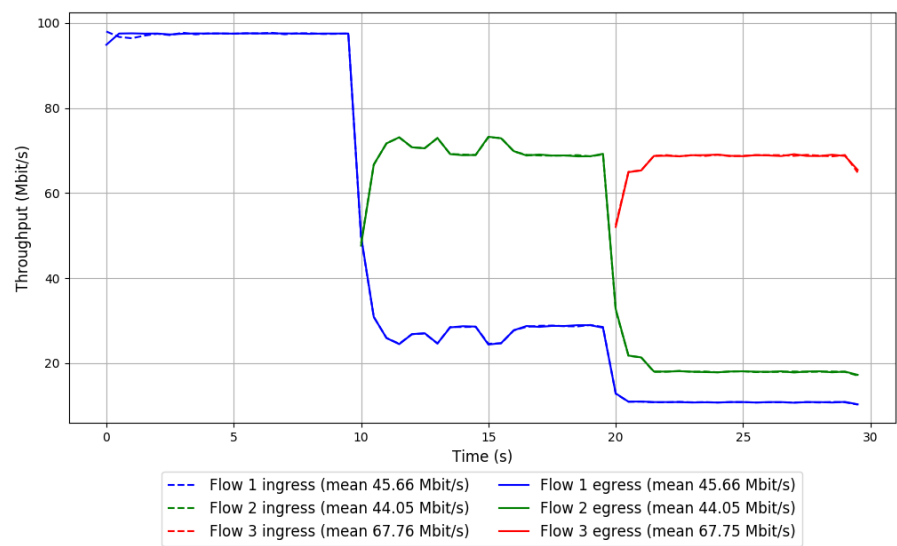


Run 5: Statistics of TCP Vegas

Start at: 2018-02-20 14:35:52
End at: 2018-02-20 14:36:22
Local clock offset: -15.402 ms
Remote clock offset: -12.652 ms

Below is generated by plot.py at 2018-02-20 17:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 6.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 13.660 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.05 Mbit/s
95th percentile per-packet one-way delay: 4.647 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 4.677 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

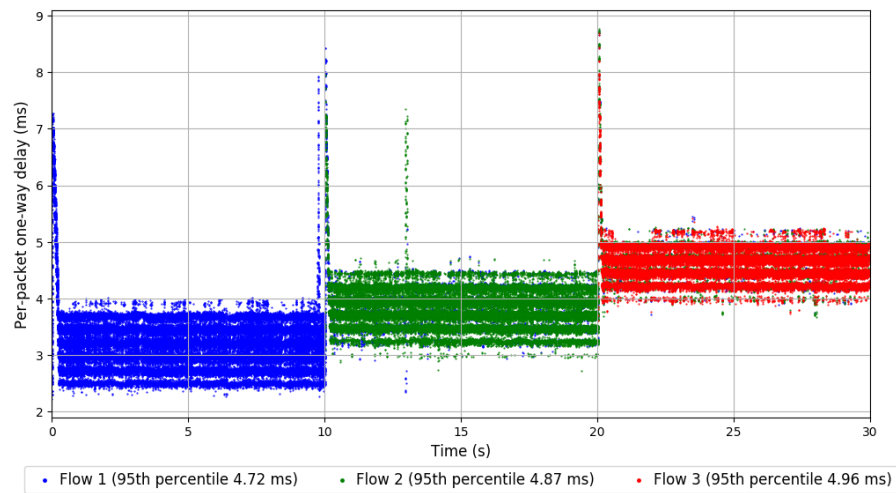
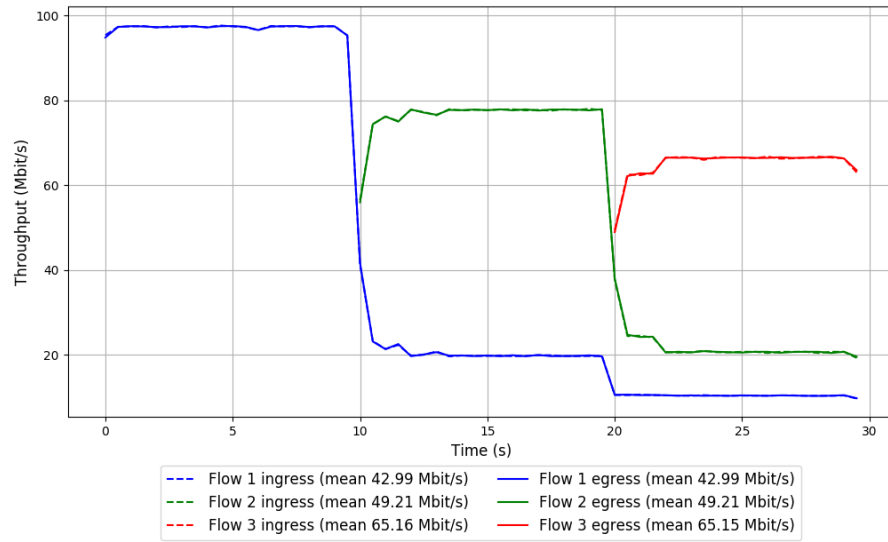


Run 6: Statistics of TCP Vegas

Start at: 2018-02-20 14:56:23
End at: 2018-02-20 14:56:53
Local clock offset: -16.654 ms
Remote clock offset: -12.733 ms

Below is generated by plot.py at 2018-02-20 17:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 4.937 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 4.721 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 4.874 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.15 Mbit/s
95th percentile per-packet one-way delay: 4.958 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

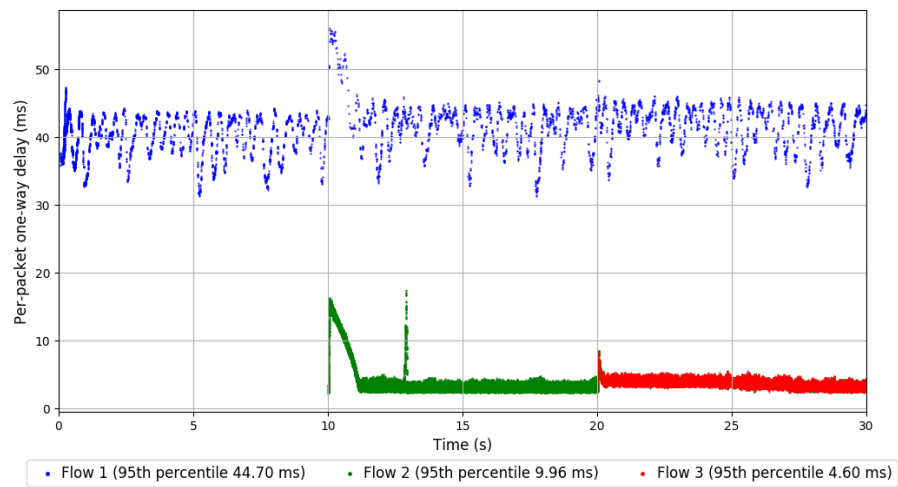
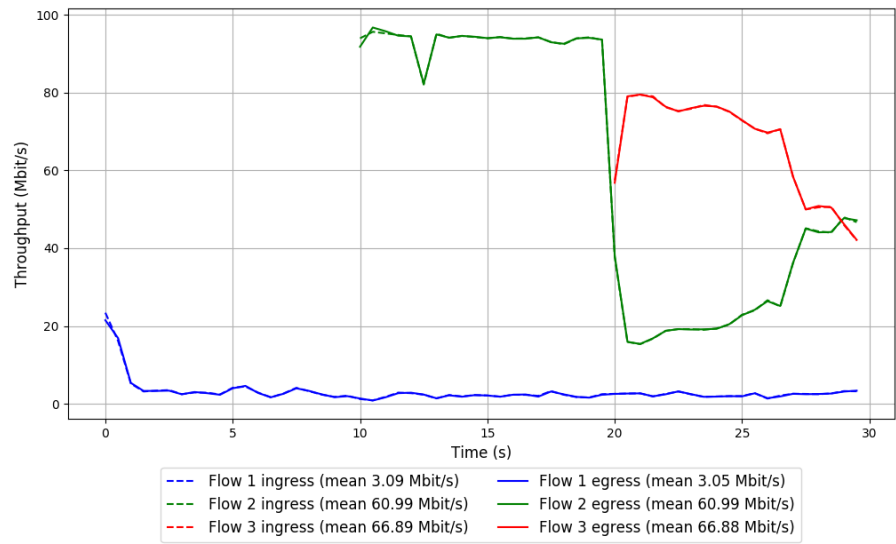


Run 7: Statistics of TCP Vegas

Start at: 2018-02-20 15:16:56
End at: 2018-02-20 15:17:26
Local clock offset: -17.33 ms
Remote clock offset: -13.023 ms

Below is generated by plot.py at 2018-02-20 17:15:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 14.691 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 44.697 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 9.961 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 4.604 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

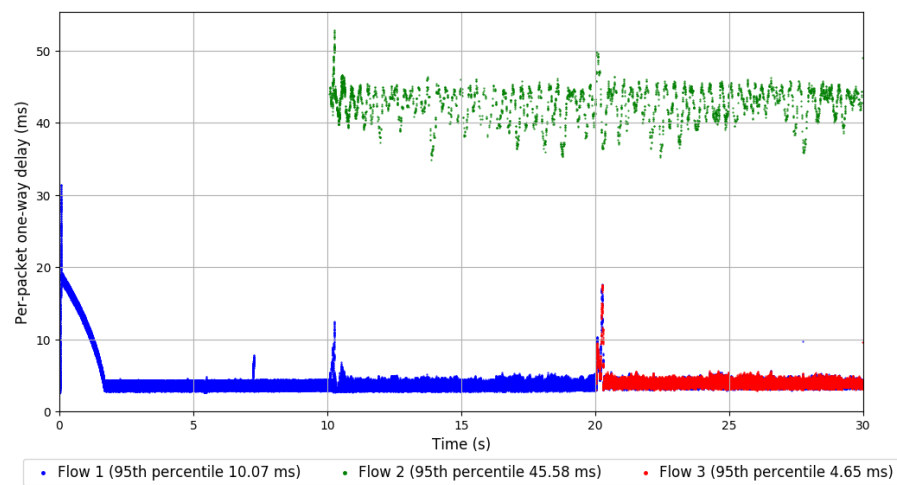
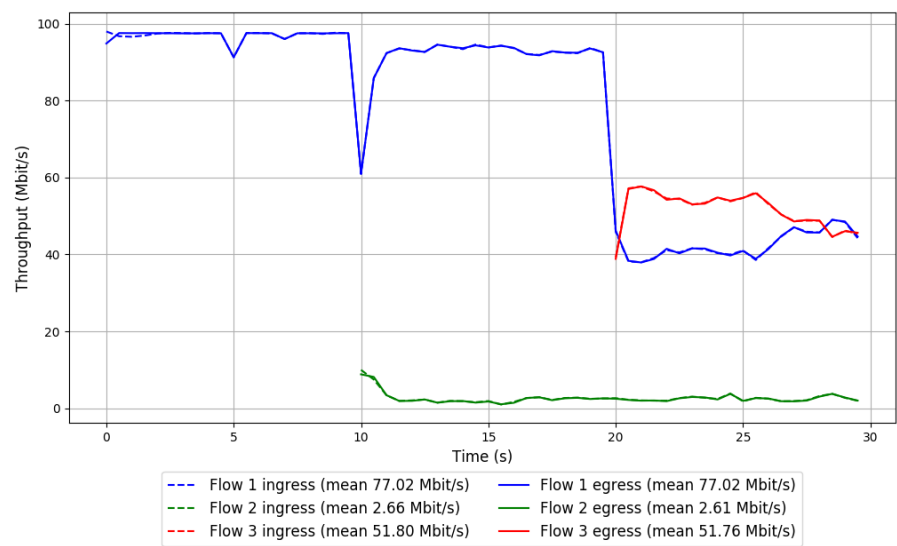


Run 8: Statistics of TCP Vegas

Start at: 2018-02-20 15:37:25
End at: 2018-02-20 15:37:55
Local clock offset: -10.164 ms
Remote clock offset: -13.249 ms

Below is generated by plot.py at 2018-02-20 17:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 12.308 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 10.068 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 45.581 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 51.76 Mbit/s
95th percentile per-packet one-way delay: 4.652 ms
Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link

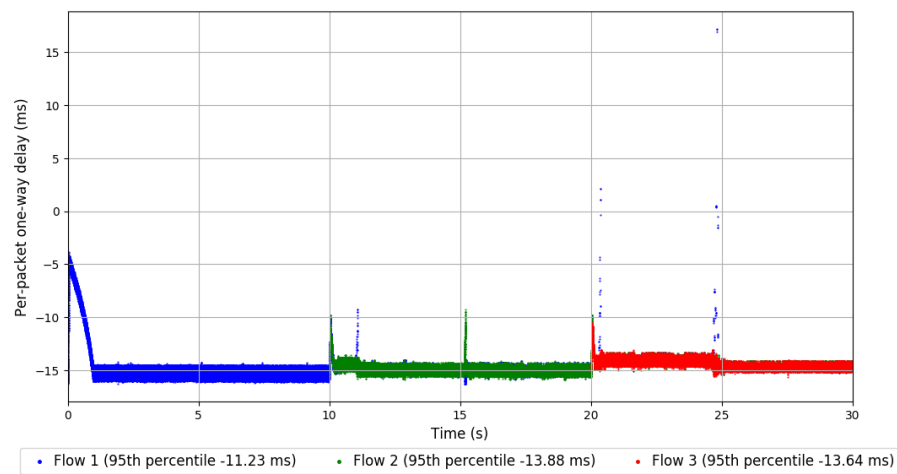
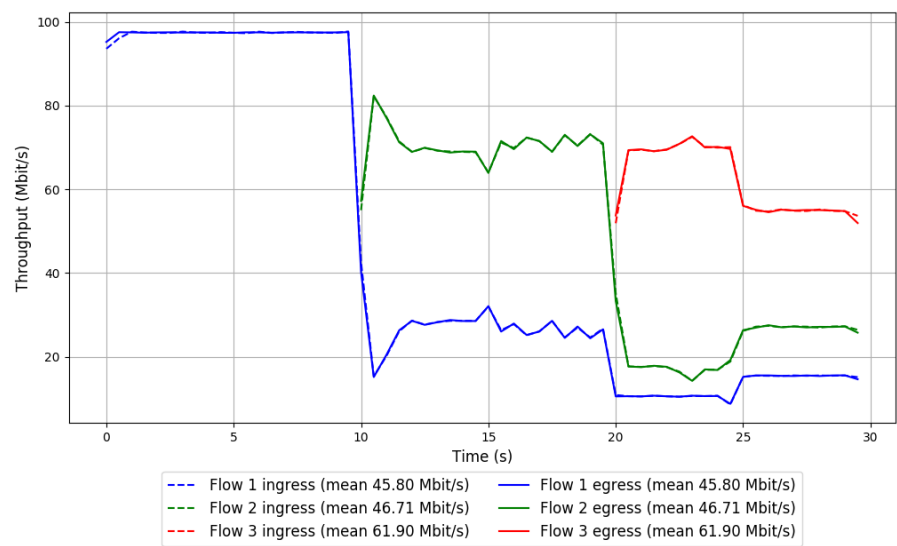


Run 9: Statistics of TCP Vegas

Start at: 2018-02-20 15:57:56
End at: 2018-02-20 15:58:26
Local clock offset: -1.42 ms
Remote clock offset: -26.611 ms

Below is generated by plot.py at 2018-02-20 17:16:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: -13.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: -11.227 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: -13.883 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.90 Mbit/s
95th percentile per-packet one-way delay: -13.636 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

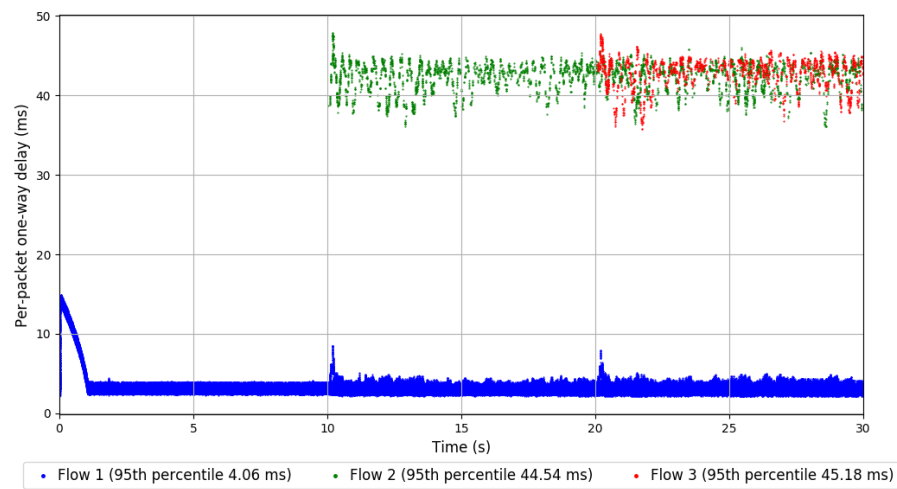
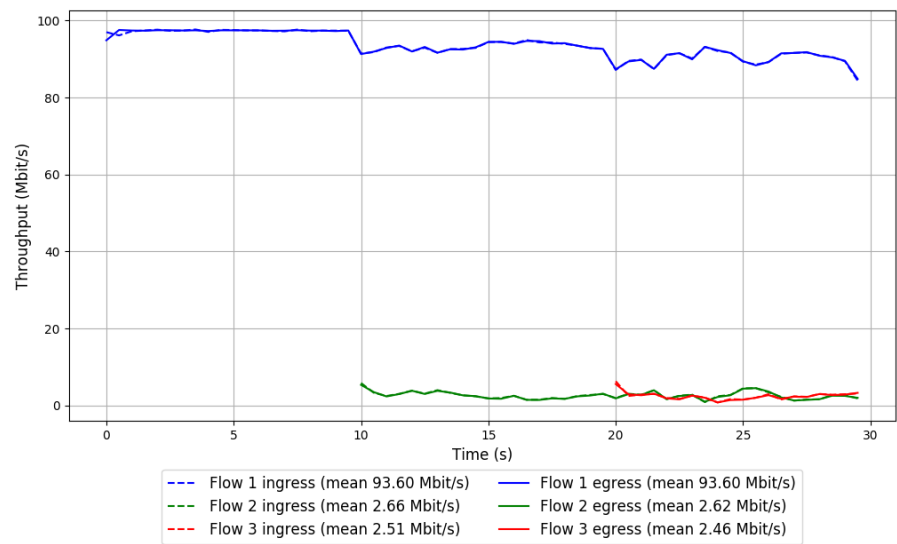


Run 10: Statistics of TCP Vegas

Start at: 2018-02-20 16:18:26
End at: 2018-02-20 16:18:56
Local clock offset: -2.391 ms
Remote clock offset: -2.458 ms

Below is generated by plot.py at 2018-02-20 17:16:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 8.166 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 4.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 44.542 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 45.178 ms
Loss rate: 2.21%

Run 10: Report of TCP Vegas — Data Link

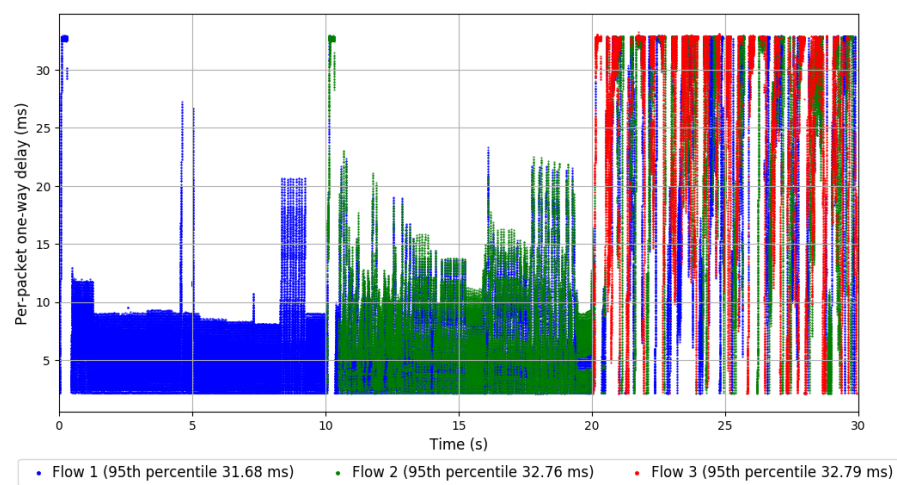
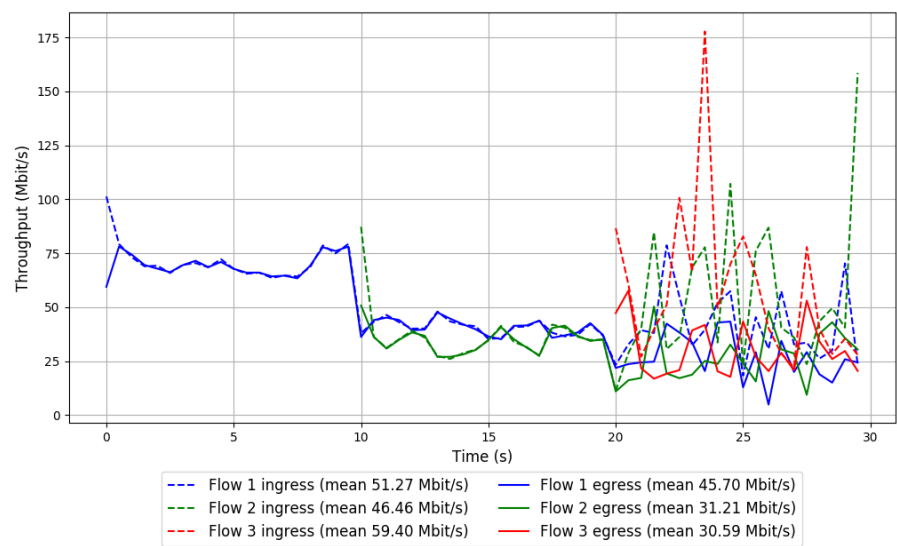


Run 1: Statistics of Verus

Start at: 2018-02-20 13:21:38
End at: 2018-02-20 13:22:08
Local clock offset: -14.034 ms
Remote clock offset: -12.301 ms

Below is generated by plot.py at 2018-02-20 17:16:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 32.729 ms
Loss rate: 24.72%
-- Flow 1:
Average throughput: 45.70 Mbit/s
95th percentile per-packet one-way delay: 31.679 ms
Loss rate: 10.77%
-- Flow 2:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 32.760 ms
Loss rate: 32.72%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 32.786 ms
Loss rate: 48.51%

Run 1: Report of Verus — Data Link

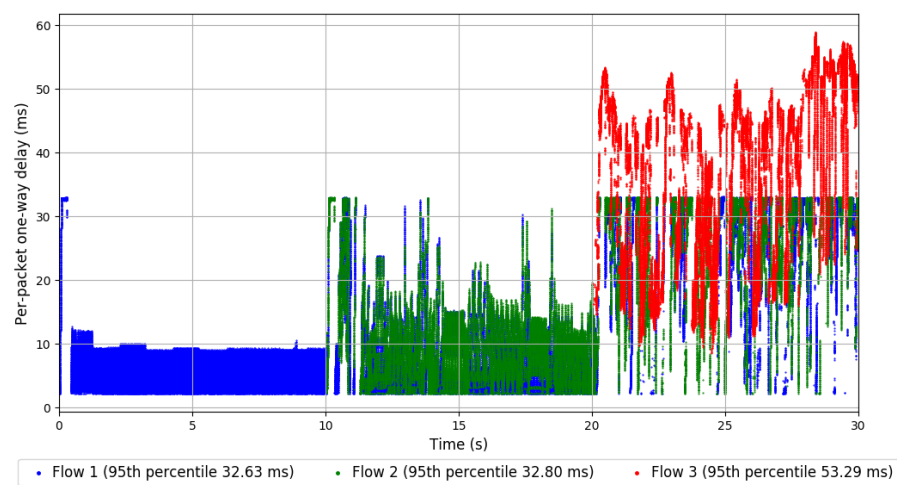
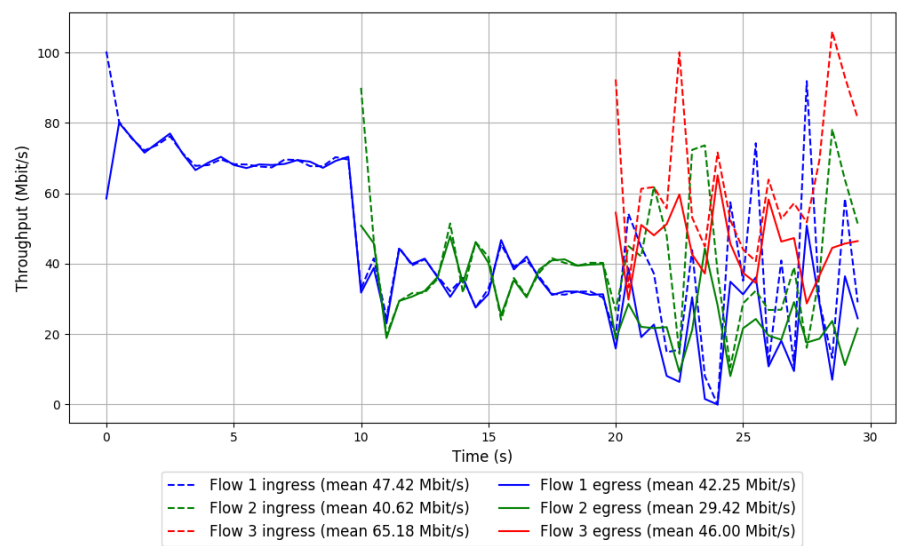


Run 2: Statistics of Verus

Start at: 2018-02-20 13:42:10
End at: 2018-02-20 13:42:40
Local clock offset: -14.907 ms
Remote clock offset: -12.624 ms

Below is generated by plot.py at 2018-02-20 17:16:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: 46.132 ms
Loss rate: 19.64%
-- Flow 1:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 32.634 ms
Loss rate: 10.83%
-- Flow 2:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 32.803 ms
Loss rate: 27.49%
-- Flow 3:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 53.290 ms
Loss rate: 29.21%

Run 2: Report of Verus — Data Link

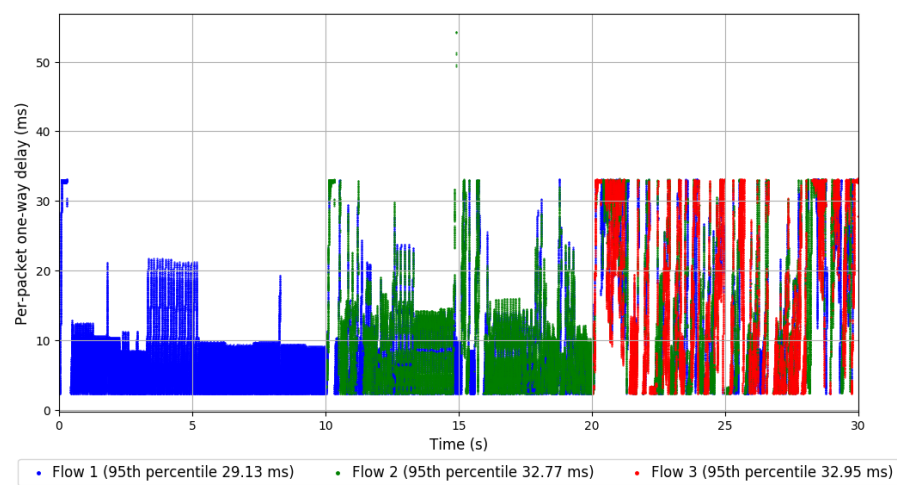
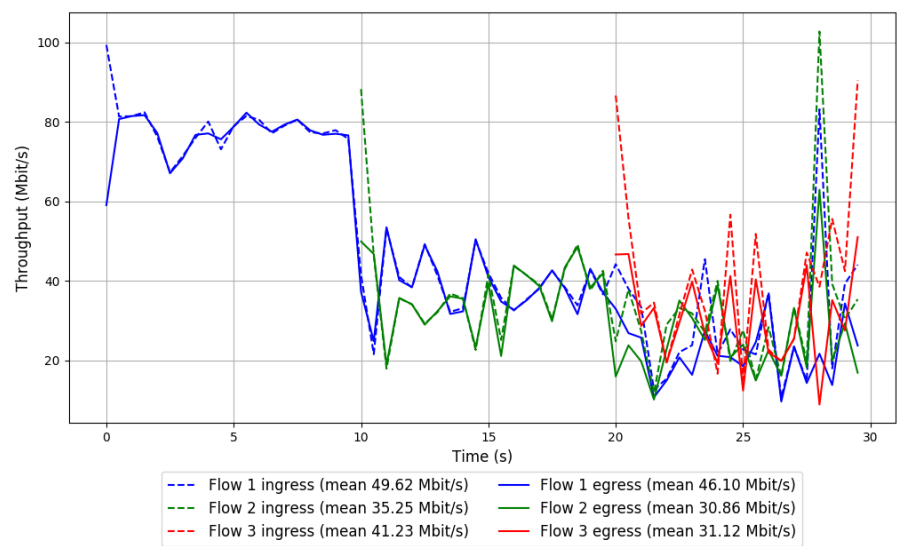


Run 3: Statistics of Verus

Start at: 2018-02-20 14:02:43
End at: 2018-02-20 14:03:13
Local clock offset: -13.168 ms
Remote clock offset: -12.785 ms

Below is generated by plot.py at 2018-02-20 17:16:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.66 Mbit/s
95th percentile per-packet one-way delay: 32.386 ms
Loss rate: 11.20%
-- Flow 1:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 29.133 ms
Loss rate: 7.00%
-- Flow 2:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 32.765 ms
Loss rate: 12.36%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 32.950 ms
Loss rate: 24.37%

Run 3: Report of Verus — Data Link

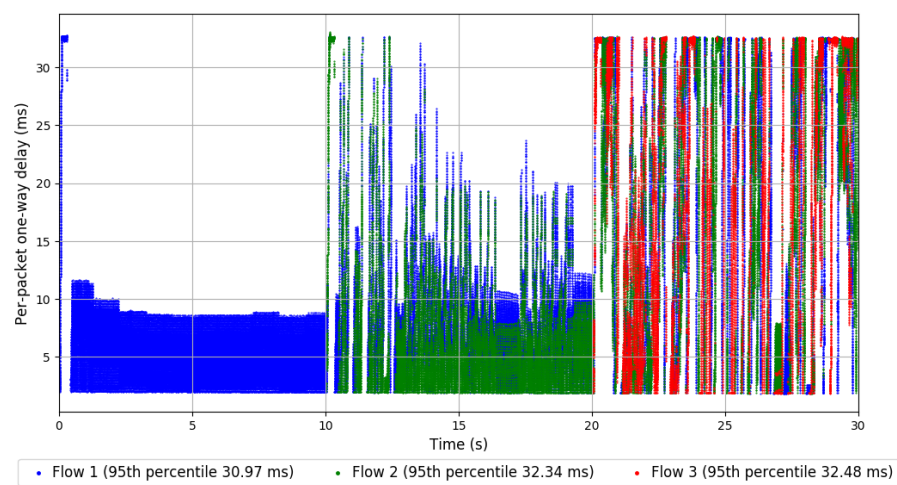
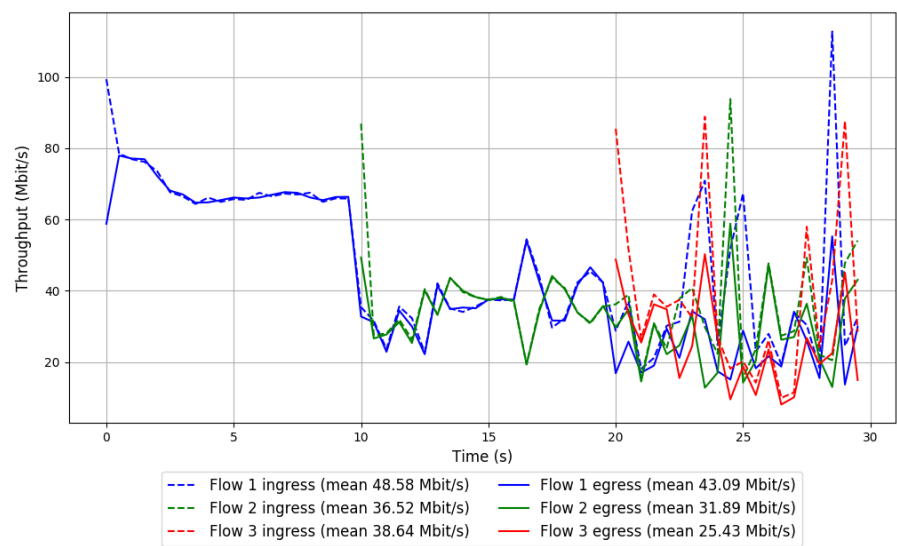


Run 4: Statistics of Verus

Start at: 2018-02-20 14:23:15
End at: 2018-02-20 14:23:45
Local clock offset: -12.654 ms
Remote clock offset: -12.701 ms

Below is generated by plot.py at 2018-02-20 17:16:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.54 Mbit/s
95th percentile per-packet one-way delay: 32.384 ms
Loss rate: 15.00%
-- Flow 1:
Average throughput: 43.09 Mbit/s
95th percentile per-packet one-way delay: 30.967 ms
Loss rate: 11.20%
-- Flow 2:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 32.336 ms
Loss rate: 12.56%
-- Flow 3:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 32.478 ms
Loss rate: 34.01%

Run 4: Report of Verus — Data Link

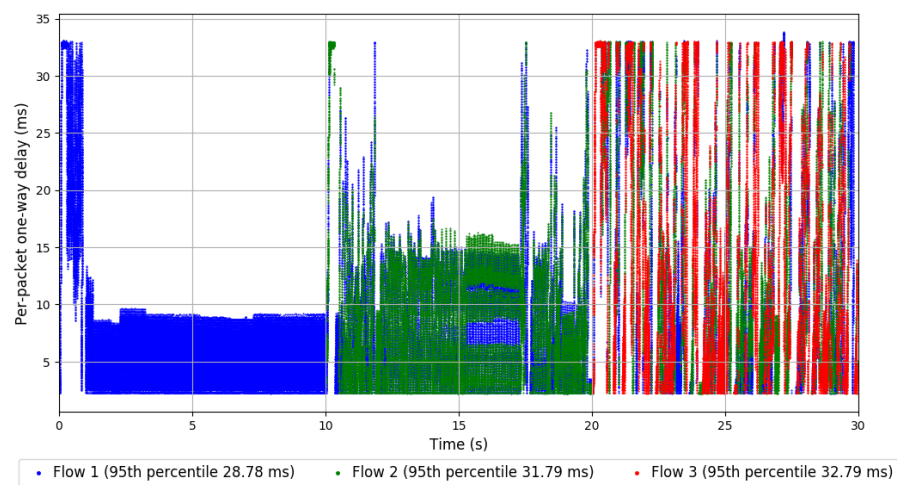
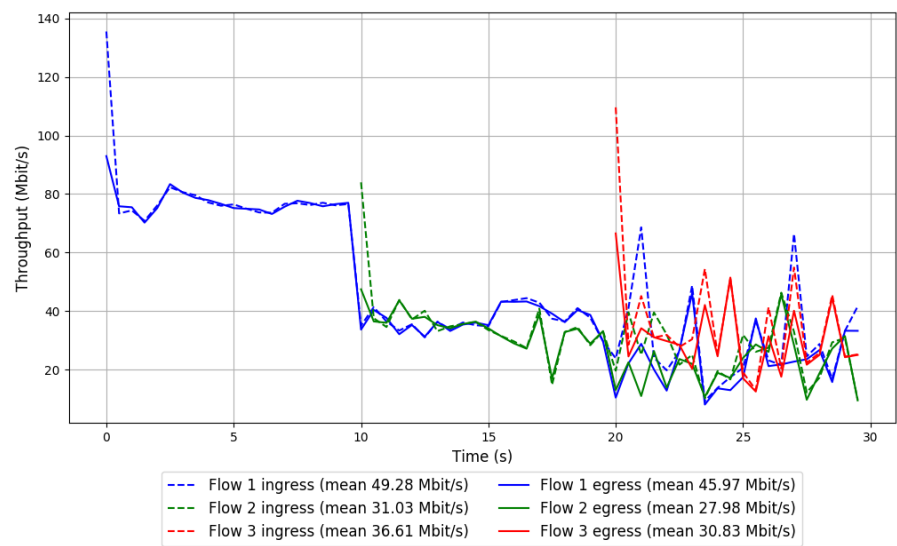


Run 5: Statistics of Verus

Start at: 2018-02-20 14:43:48
End at: 2018-02-20 14:44:18
Local clock offset: -16.054 ms
Remote clock offset: -12.654 ms

Below is generated by plot.py at 2018-02-20 17:16:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 31.165 ms
Loss rate: 8.79%
-- Flow 1:
Average throughput: 45.97 Mbit/s
95th percentile per-packet one-way delay: 28.776 ms
Loss rate: 6.62%
-- Flow 2:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 31.789 ms
Loss rate: 9.83%
-- Flow 3:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 32.790 ms
Loss rate: 15.78%

Run 5: Report of Verus — Data Link

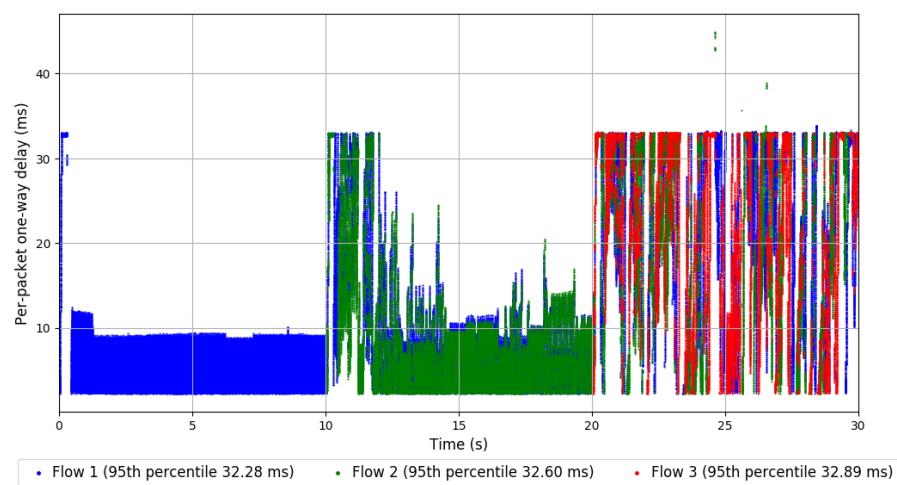
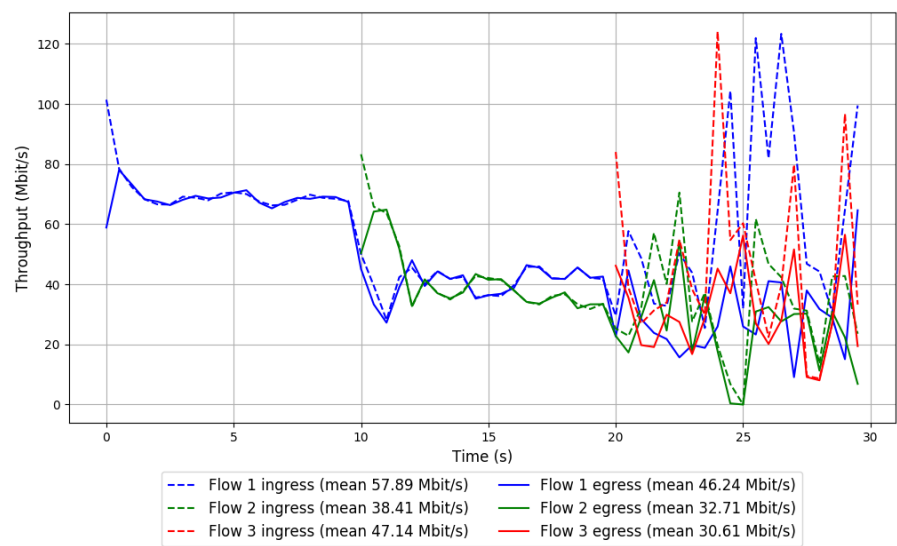


Run 6: Statistics of Verus

Start at: 2018-02-20 15:04:19
End at: 2018-02-20 15:04:49
Local clock offset: -16.912 ms
Remote clock offset: -12.794 ms

Below is generated by plot.py at 2018-02-20 17:16:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.14 Mbit/s
95th percentile per-packet one-way delay: 32.806 ms
Loss rate: 21.03%
-- Flow 1:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 32.283 ms
Loss rate: 20.06%
-- Flow 2:
Average throughput: 32.71 Mbit/s
95th percentile per-packet one-way delay: 32.605 ms
Loss rate: 14.73%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 32.887 ms
Loss rate: 34.91%

Run 6: Report of Verus — Data Link

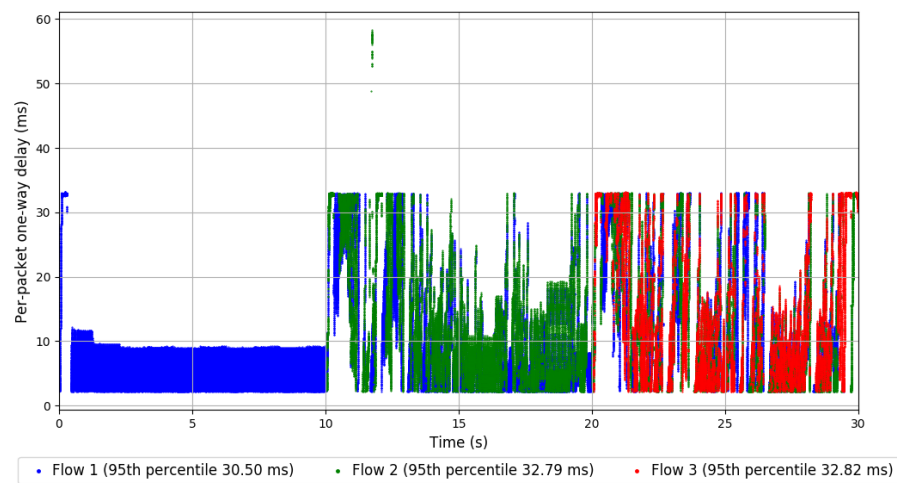
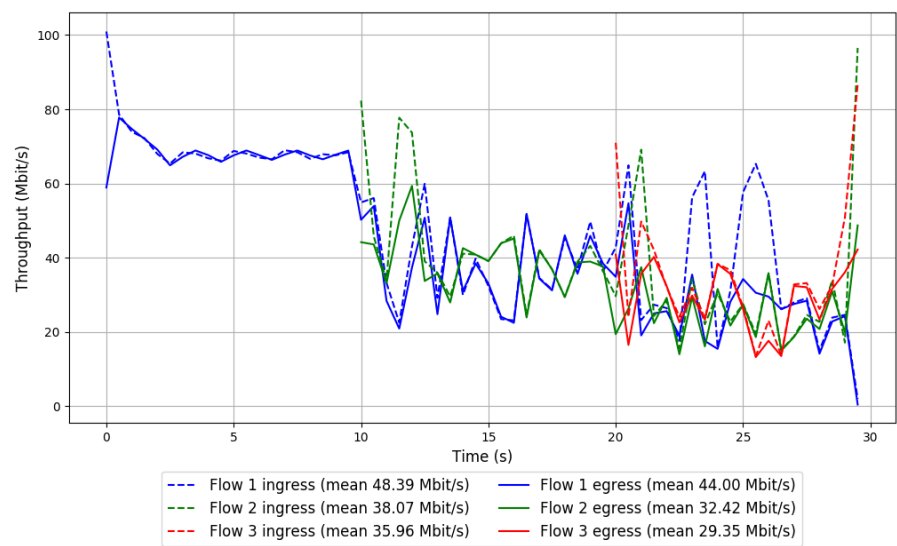


Run 7: Statistics of Verus

Start at: 2018-02-20 15:24:51
End at: 2018-02-20 15:25:21
Local clock offset: -17.559 ms
Remote clock offset: -13.187 ms

Below is generated by plot.py at 2018-02-20 17:17:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.14 Mbit/s
95th percentile per-packet one-way delay: 32.605 ms
Loss rate: 11.97%
-- Flow 1:
Average throughput: 44.00 Mbit/s
95th percentile per-packet one-way delay: 30.498 ms
Loss rate: 8.98%
-- Flow 2:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 32.788 ms
Loss rate: 14.75%
-- Flow 3:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 32.824 ms
Loss rate: 18.13%

Run 7: Report of Verus — Data Link

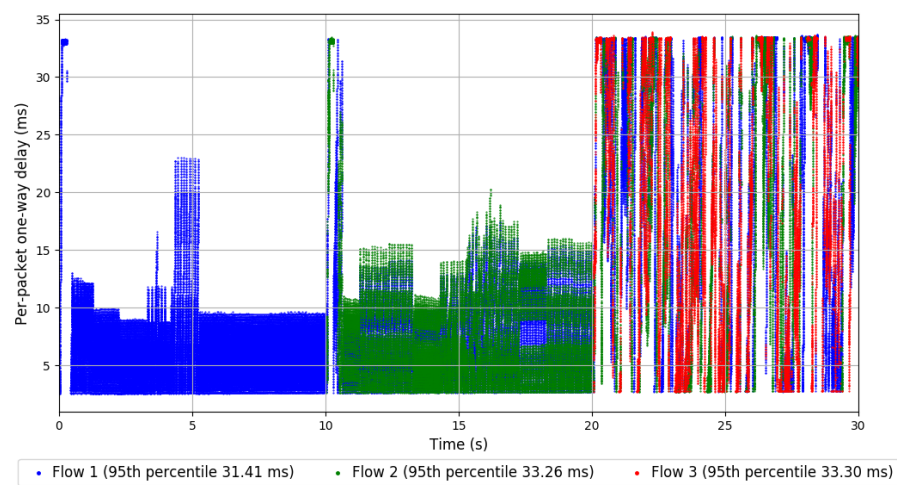
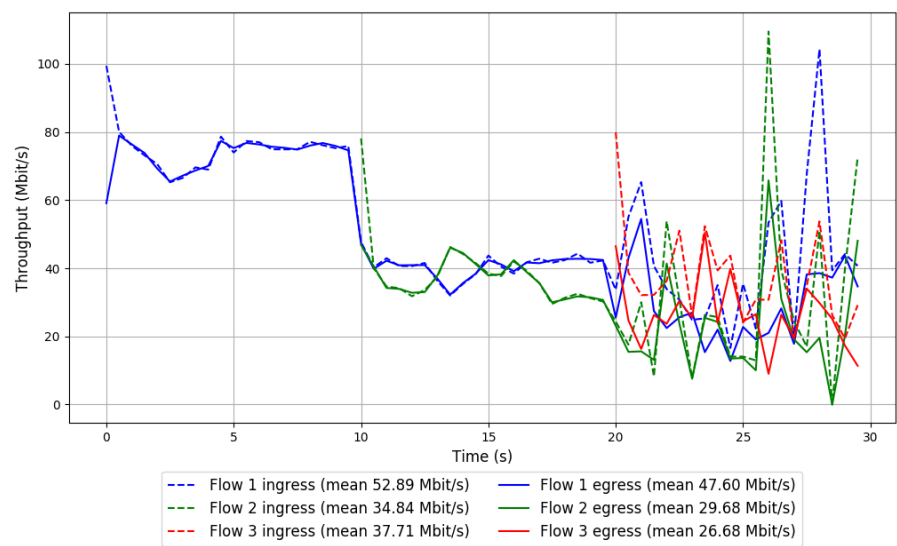


Run 8: Statistics of Verus

Start at: 2018-02-20 15:45:21
End at: 2018-02-20 15:45:51
Local clock offset: -5.508 ms
Remote clock offset: -13.351 ms

Below is generated by plot.py at 2018-02-20 17:17:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.22 Mbit/s
95th percentile per-packet one-way delay: 33.106 ms
Loss rate: 13.86%
-- Flow 1:
Average throughput: 47.60 Mbit/s
95th percentile per-packet one-way delay: 31.411 ms
Loss rate: 9.89%
-- Flow 2:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 33.259 ms
Loss rate: 14.70%
-- Flow 3:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 33.298 ms
Loss rate: 29.07%

Run 8: Report of Verus — Data Link

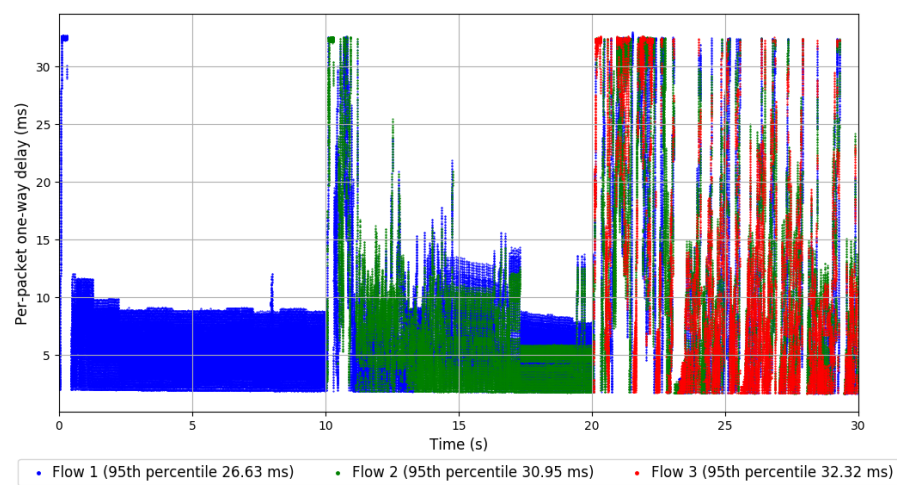
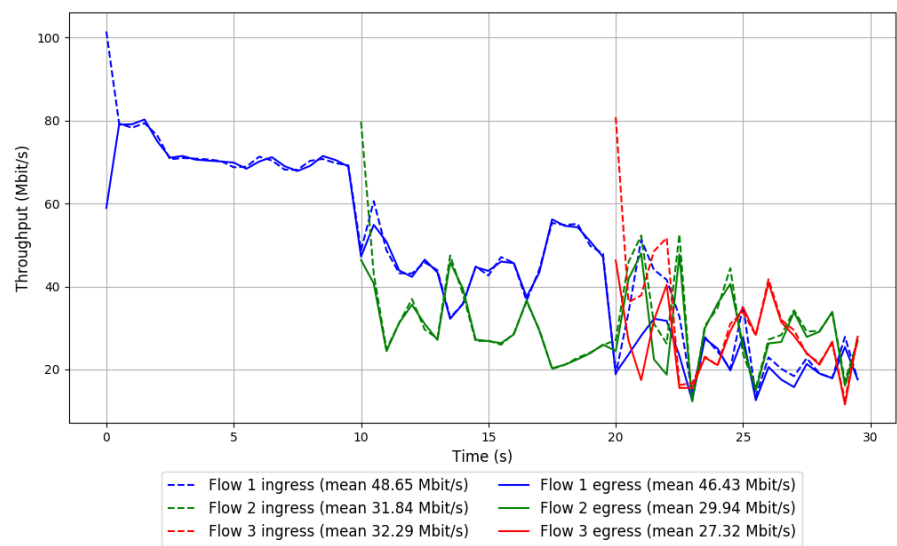


Run 9: Statistics of Verus

Start at: 2018-02-20 16:05:50
End at: 2018-02-20 16:06:20
Local clock offset: -0.179 ms
Remote clock offset: -5.222 ms

Below is generated by plot.py at 2018-02-20 17:17:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 30.366 ms
Loss rate: 6.35%
-- Flow 1:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 26.631 ms
Loss rate: 4.55%
-- Flow 2:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 30.949 ms
Loss rate: 5.94%
-- Flow 3:
Average throughput: 27.32 Mbit/s
95th percentile per-packet one-way delay: 32.324 ms
Loss rate: 15.36%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-02-20 16:26:23

End at: 2018-02-20 16:26:53

Local clock offset: -2.123 ms

Remote clock offset: 1.131 ms

Below is generated by plot.py at 2018-02-20 17:17:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.66 Mbit/s

95th percentile per-packet one-way delay: 68.728 ms

Loss rate: 26.66%

-- Flow 1:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 32.129 ms

Loss rate: 12.28%

-- Flow 2:

Average throughput: 32.38 Mbit/s

95th percentile per-packet one-way delay: 32.334 ms

Loss rate: 23.43%

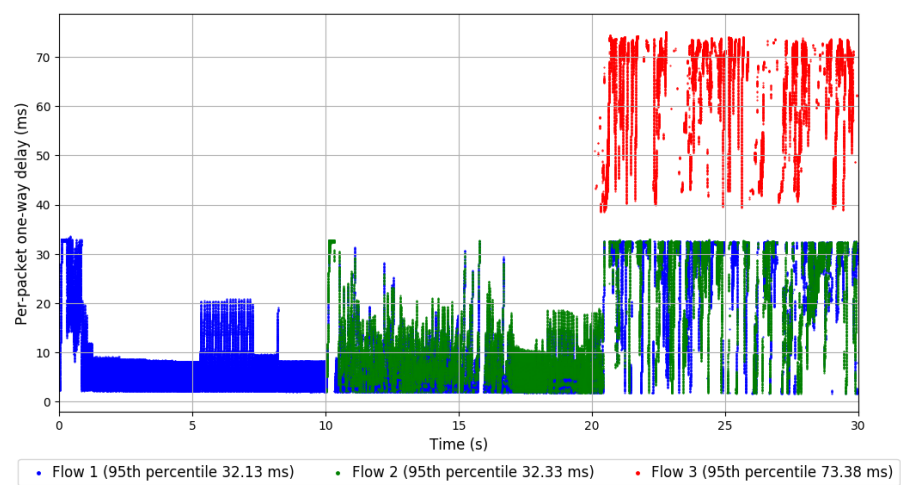
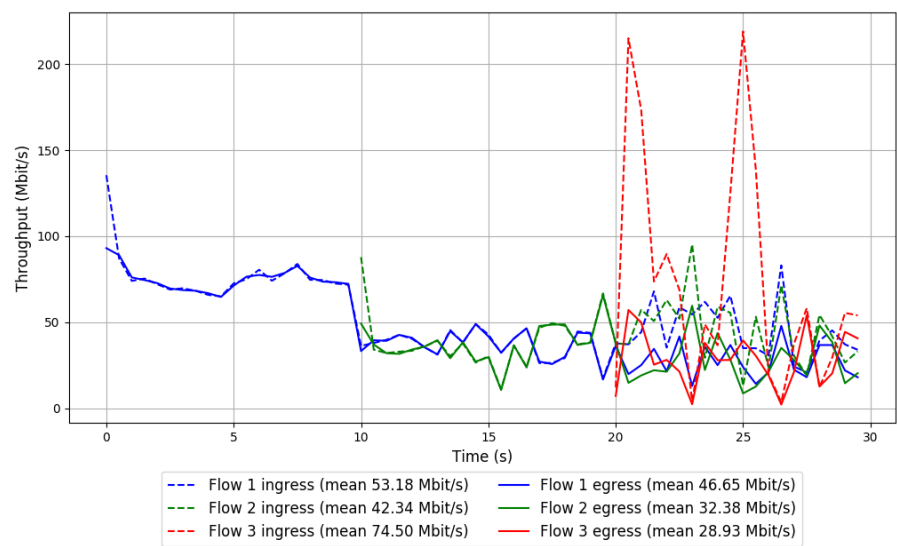
-- Flow 3:

Average throughput: 28.93 Mbit/s

95th percentile per-packet one-way delay: 73.377 ms

Loss rate: 61.38%

Run 10: Report of Verus — Data Link

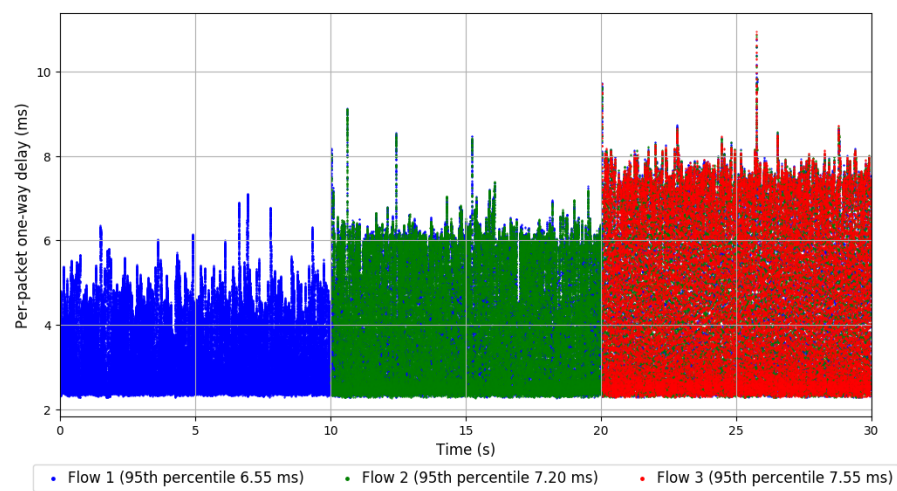
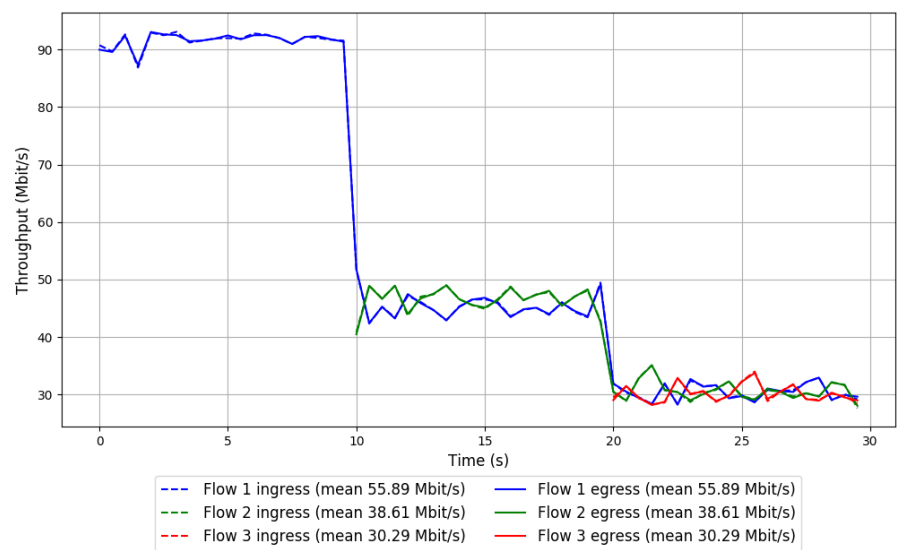


Run 1: Statistics of Copa

Start at: 2018-02-20 13:11:19
End at: 2018-02-20 13:11:49
Local clock offset: -13.122 ms
Remote clock offset: -12.206 ms

Below is generated by plot.py at 2018-02-20 17:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 7.099 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.89 Mbit/s
95th percentile per-packet one-way delay: 6.546 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 7.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.29 Mbit/s
95th percentile per-packet one-way delay: 7.548 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

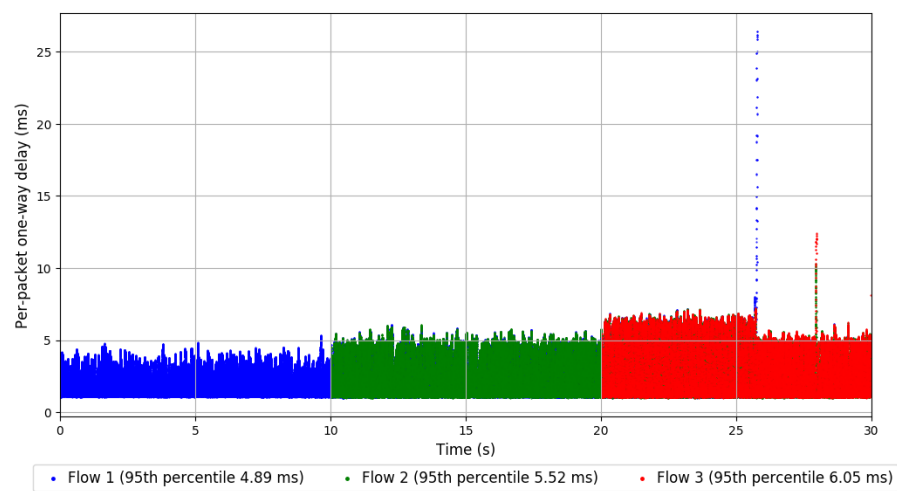
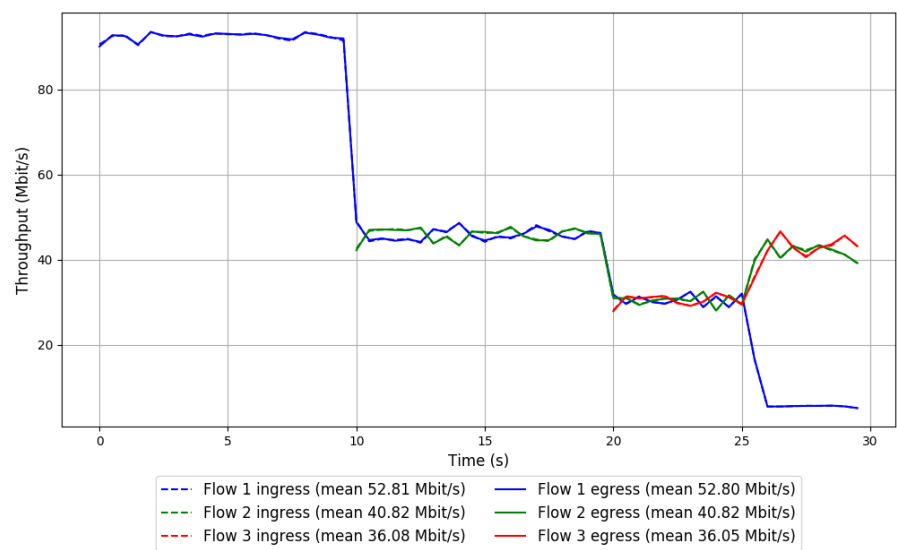


Run 2: Statistics of Copa

Start at: 2018-02-20 13:31:52
End at: 2018-02-20 13:32:22
Local clock offset: -14.721 ms
Remote clock offset: -13.608 ms

Below is generated by plot.py at 2018-02-20 17:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.94 Mbit/s
95th percentile per-packet one-way delay: 5.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 4.894 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 5.522 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 6.053 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

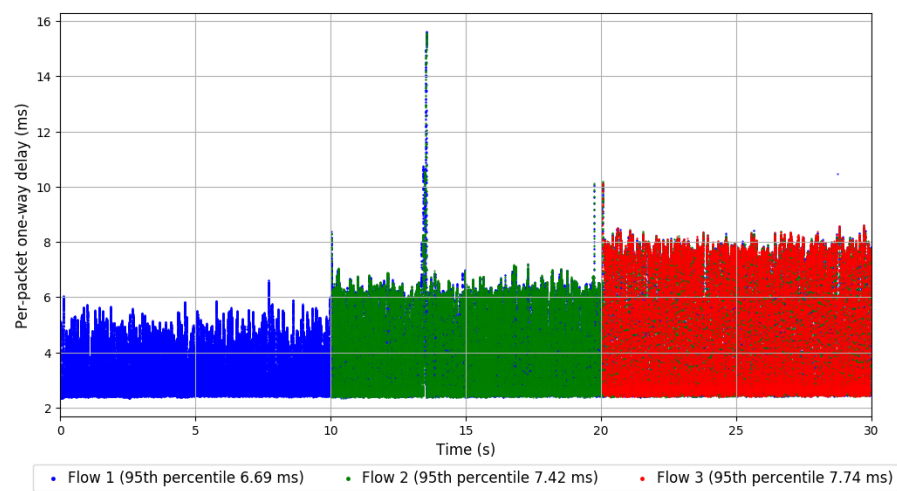
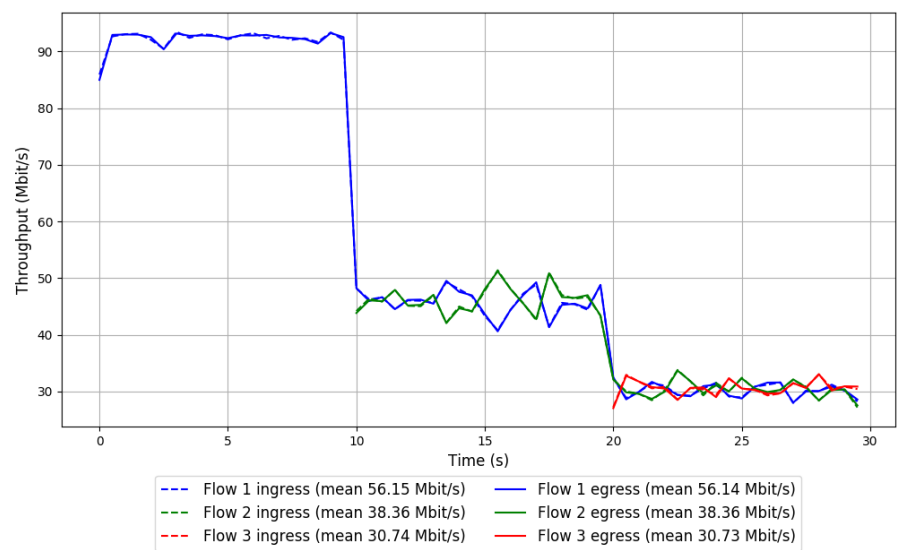


Run 3: Statistics of Copa

Start at: 2018-02-20 13:52:24
End at: 2018-02-20 13:52:54
Local clock offset: -14.203 ms
Remote clock offset: -12.73 ms

Below is generated by plot.py at 2018-02-20 17:18:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 7.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.14 Mbit/s
95th percentile per-packet one-way delay: 6.686 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 7.419 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 7.741 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

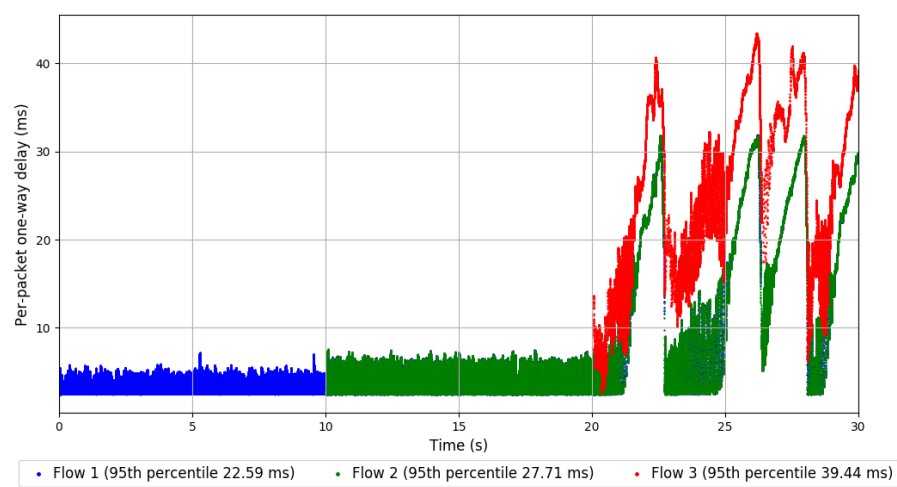
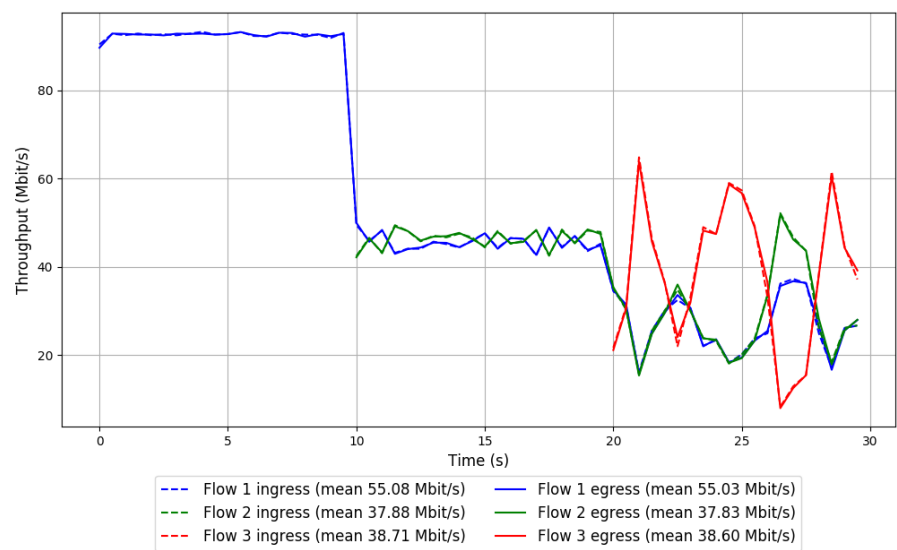


Run 4: Statistics of Copa

Start at: 2018-02-20 14:12:56
End at: 2018-02-20 14:13:26
Local clock offset: -12.787 ms
Remote clock offset: -12.711 ms

Below is generated by plot.py at 2018-02-20 17:19:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 30.648 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 22.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 27.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 39.436 ms
Loss rate: 0.11%

Run 4: Report of Copa — Data Link

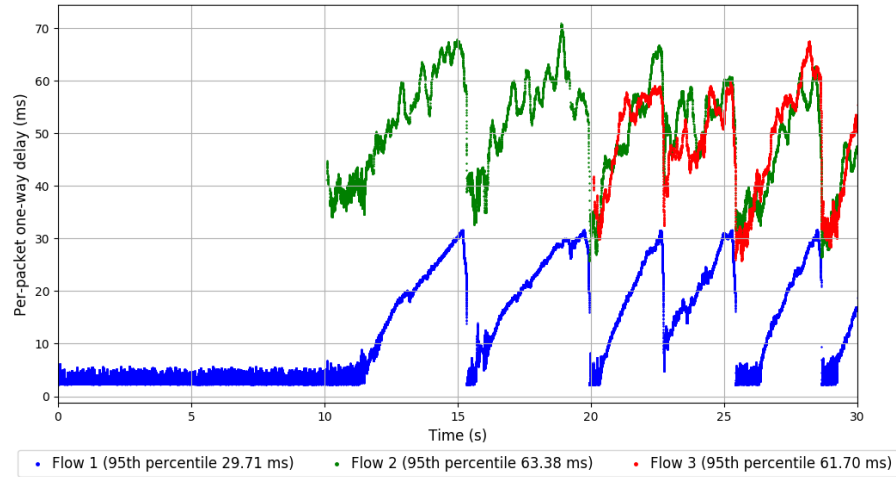
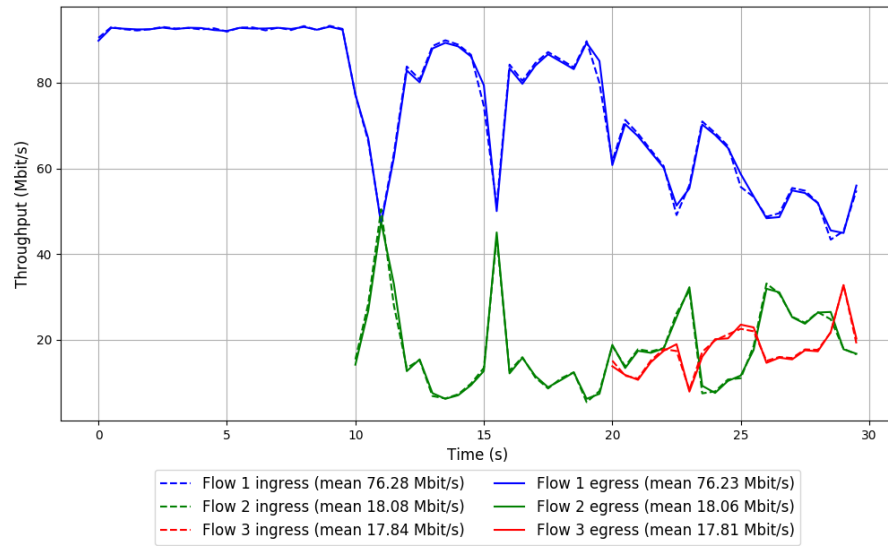


Run 5: Statistics of Copa

Start at: 2018-02-20 14:33:29
End at: 2018-02-20 14:33:59
Local clock offset: -15.168 ms
Remote clock offset: -12.653 ms

Below is generated by plot.py at 2018-02-20 17:19:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 55.320 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 76.23 Mbit/s
95th percentile per-packet one-way delay: 29.707 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 63.382 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 61.699 ms
Loss rate: 0.36%

Run 5: Report of Copa — Data Link

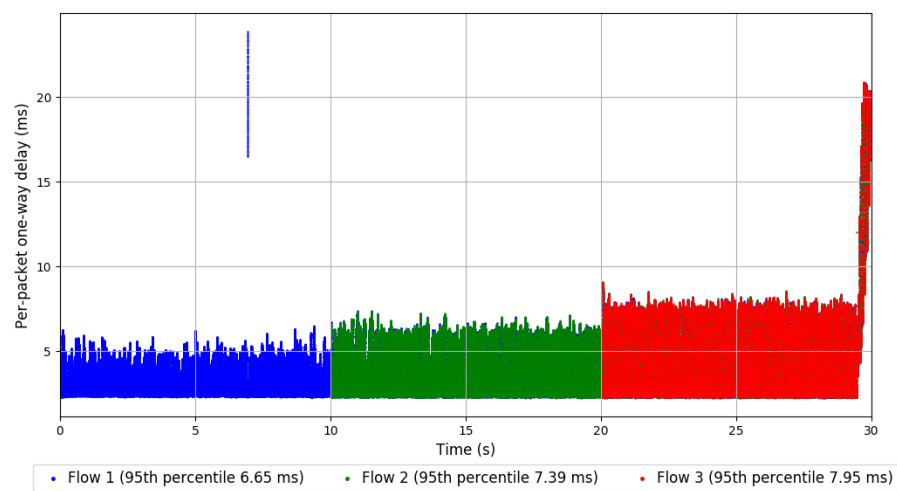
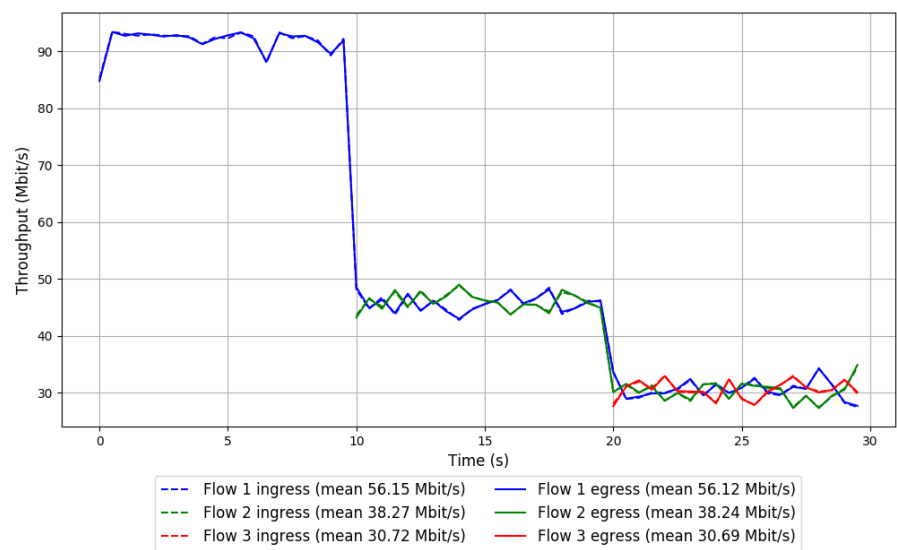


Run 6: Statistics of Copa

Start at: 2018-02-20 14:54:00
End at: 2018-02-20 14:54:30
Local clock offset: -16.561 ms
Remote clock offset: -12.736 ms

Below is generated by plot.py at 2018-02-20 17:19:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 7.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 6.650 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 7.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.69 Mbit/s
95th percentile per-packet one-way delay: 7.951 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

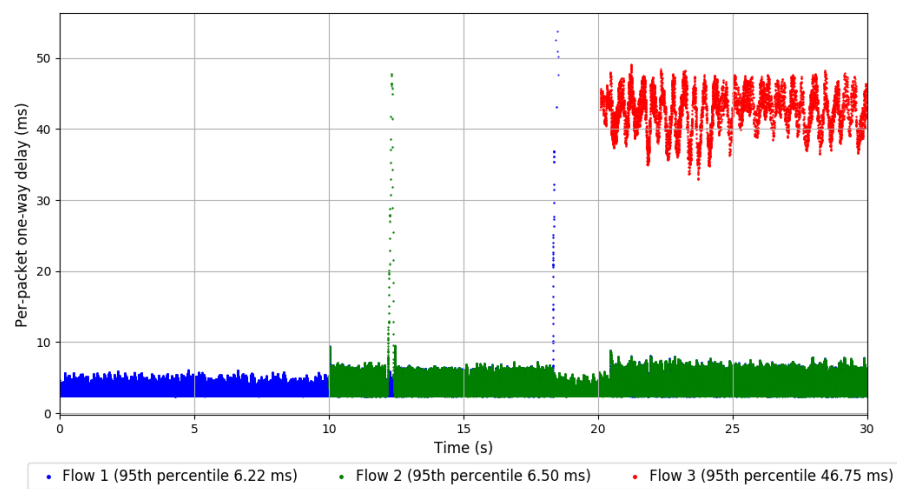
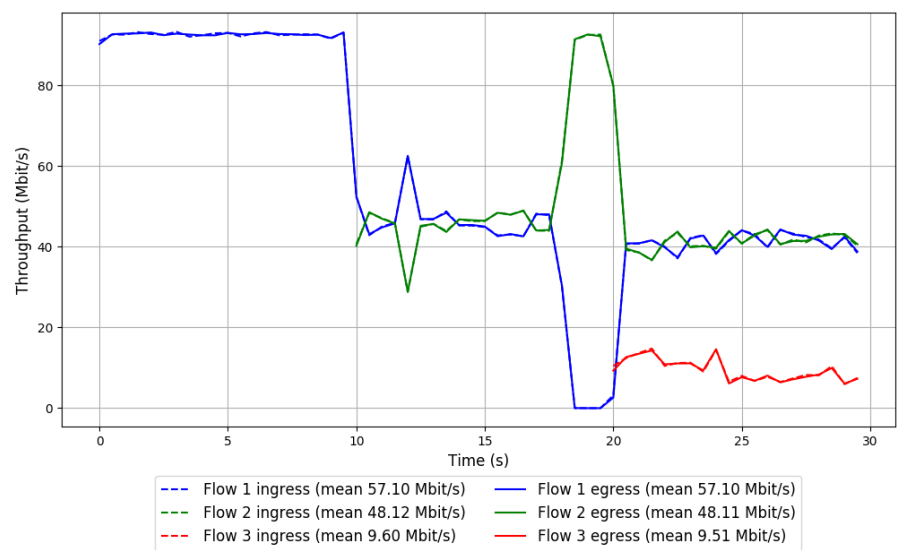


Run 7: Statistics of Copa

Start at: 2018-02-20 15:14:33
End at: 2018-02-20 15:15:03
Local clock offset: -17.327 ms
Remote clock offset: -12.985 ms

Below is generated by plot.py at 2018-02-20 17:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 6.826 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 6.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.11 Mbit/s
95th percentile per-packet one-way delay: 6.504 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 46.751 ms
Loss rate: 1.34%

Run 7: Report of Copa — Data Link

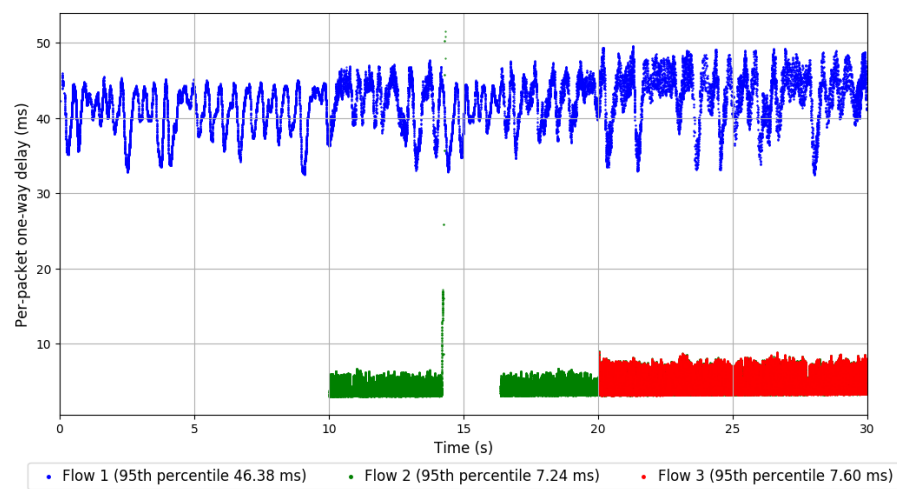
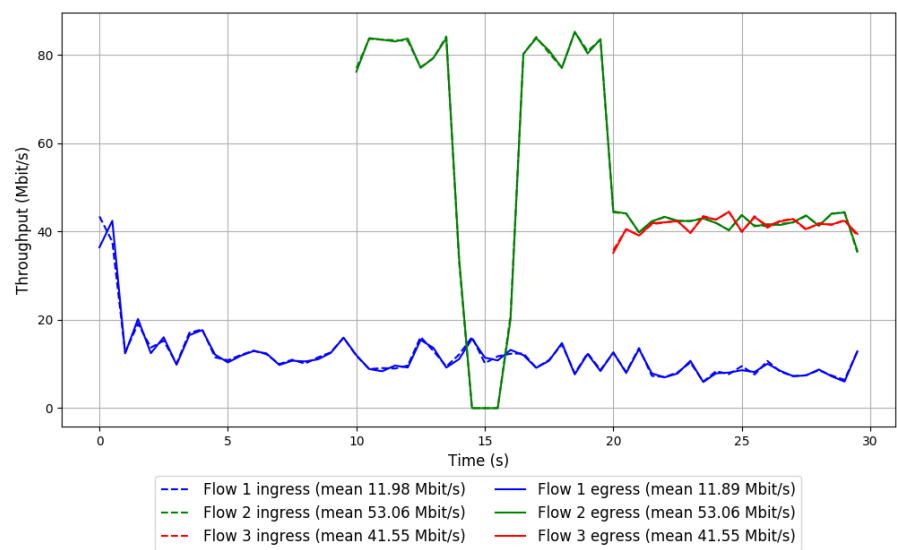


Run 8: Statistics of Copa

Start at: 2018-02-20 15:35:04
End at: 2018-02-20 15:35:34
Local clock offset: -12.447 ms
Remote clock offset: -13.192 ms

Below is generated by plot.py at 2018-02-20 17:19:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 44.001 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 46.376 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 7.235 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.55 Mbit/s
95th percentile per-packet one-way delay: 7.602 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

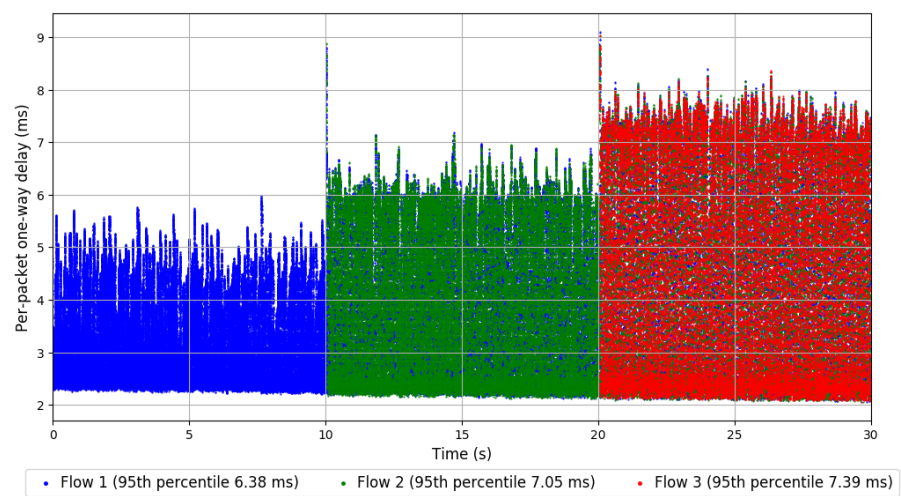
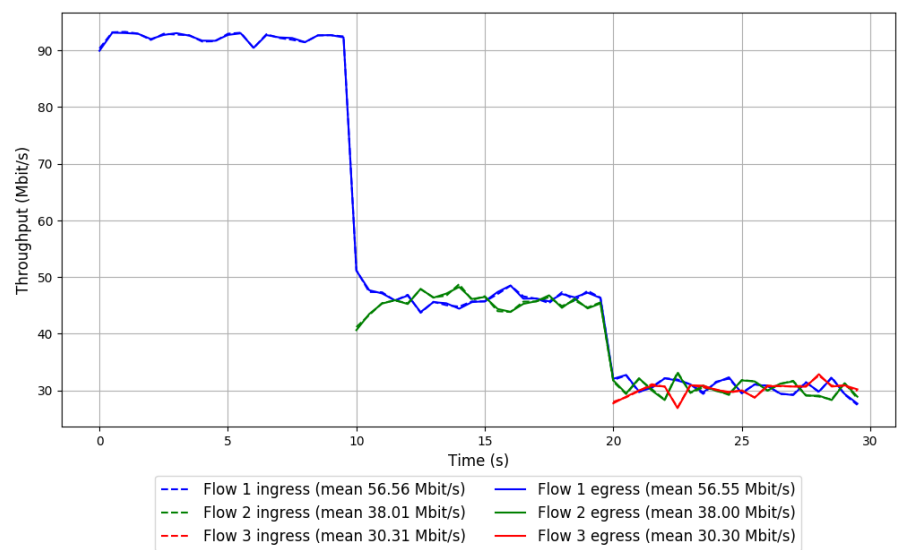


Run 9: Statistics of Copa

Start at: 2018-02-20 15:55:33
End at: 2018-02-20 15:56:03
Local clock offset: -2.057 ms
Remote clock offset: -9.504 ms

Below is generated by plot.py at 2018-02-20 17:21:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 6.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 6.380 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 7.047 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.30 Mbit/s
95th percentile per-packet one-way delay: 7.388 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

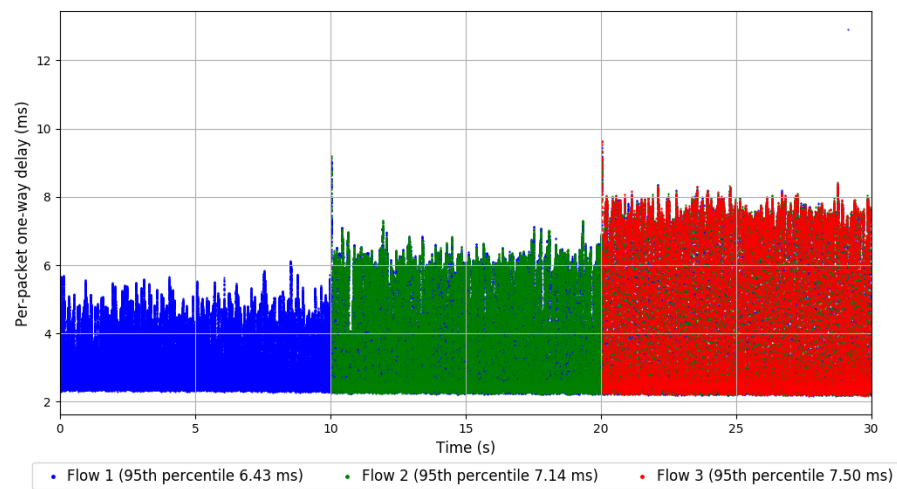
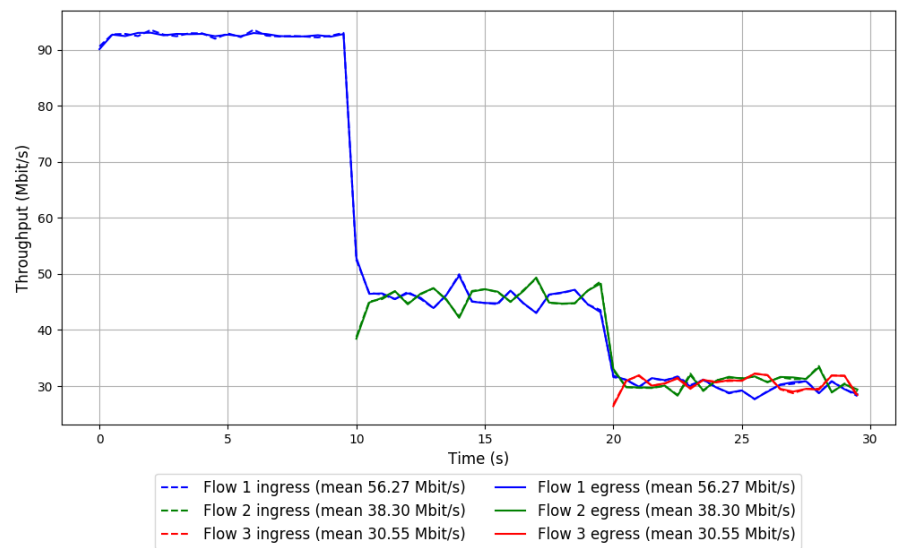


Run 10: Statistics of Copa

Start at: 2018-02-20 16:16:04
End at: 2018-02-20 16:16:34
Local clock offset: -2.377 ms
Remote clock offset: -2.863 ms

Below is generated by plot.py at 2018-02-20 17:21:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 7.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 6.431 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 7.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 7.501 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

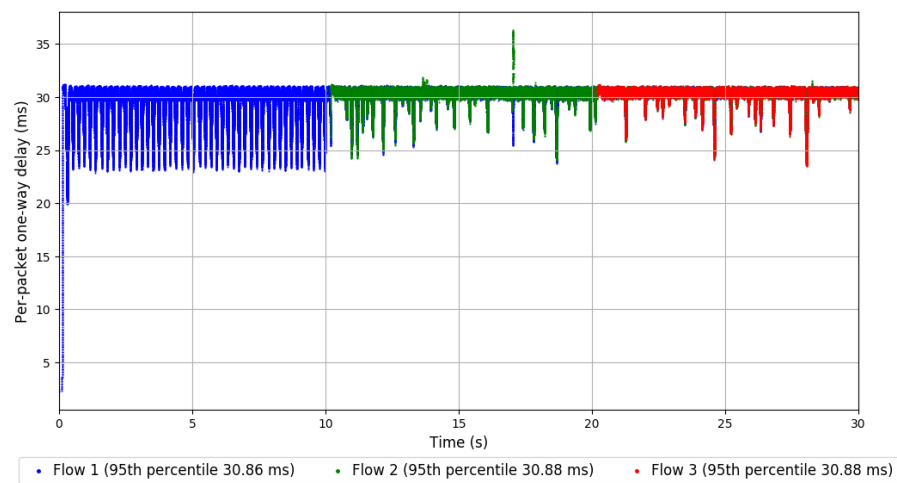
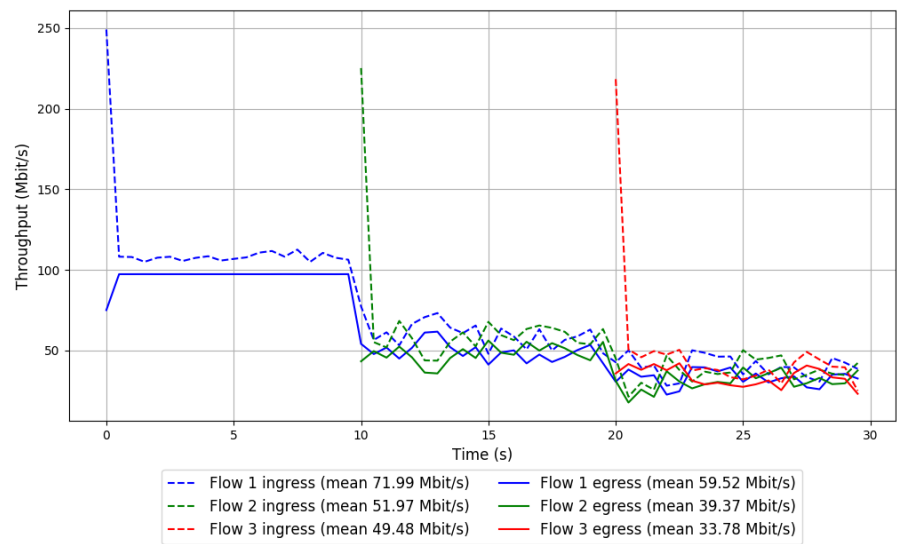


```
Run 1: Statistics of FillP

Start at: 2018-02-20 13:15:59
End at: 2018-02-20 13:16:29
Local clock offset: -13.433 ms
Remote clock offset: -12.232 ms

# Below is generated by plot.py at 2018-02-20 17:21:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.871 ms
Loss rate: 21.15%
-- Flow 1:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 30.865 ms
Loss rate: 17.25%
-- Flow 2:
Average throughput: 39.37 Mbit/s
95th percentile per-packet one-way delay: 30.879 ms
Loss rate: 24.24%
-- Flow 3:
Average throughput: 33.78 Mbit/s
95th percentile per-packet one-way delay: 30.879 ms
Loss rate: 31.74%
```


Run 1: Report of FillP — Data Link

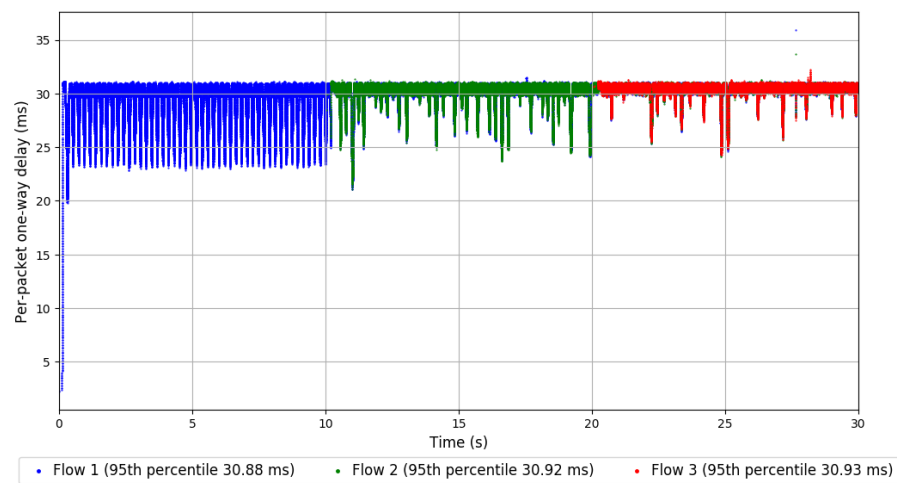
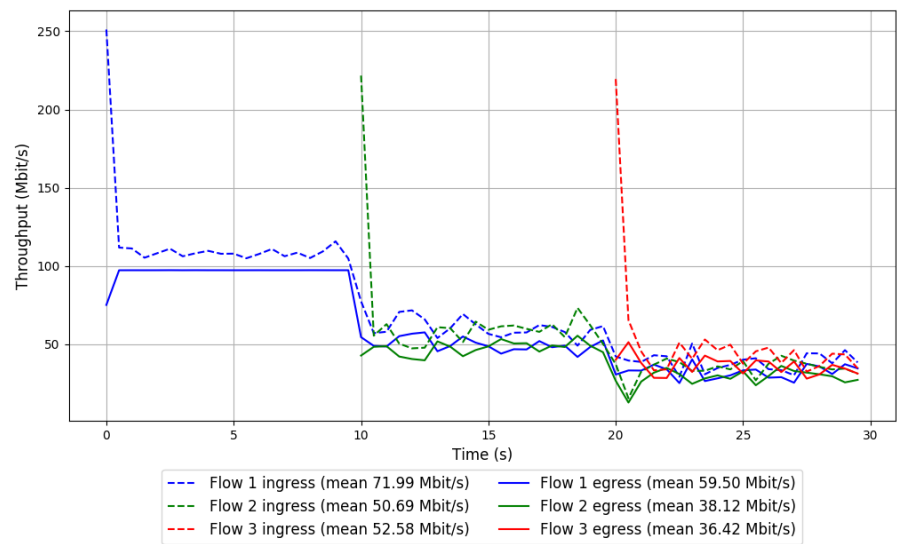


Run 2: Statistics of FillP

Start at: 2018-02-20 13:36:32
End at: 2018-02-20 13:37:02
Local clock offset: -14.761 ms
Remote clock offset: -12.39 ms

Below is generated by plot.py at 2018-02-20 17:21:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.898 ms
Loss rate: 21.24%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 30.880 ms
Loss rate: 17.27%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 30.916 ms
Loss rate: 24.79%
-- Flow 3:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 30.929 ms
Loss rate: 30.73%

Run 2: Report of FillP — Data Link

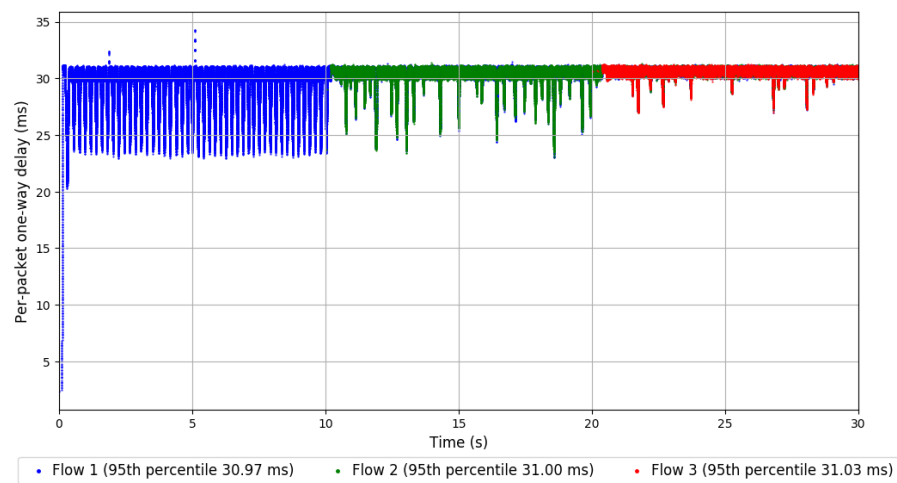
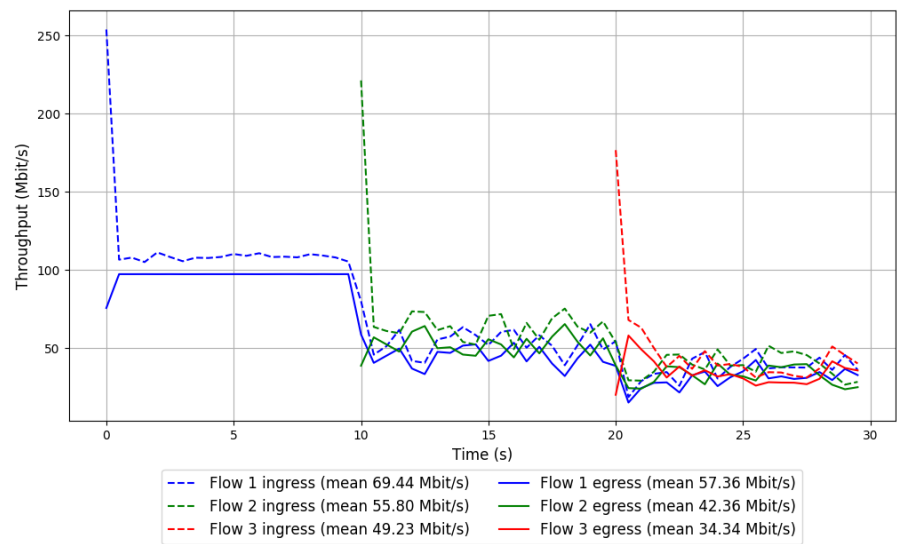


Run 3: Statistics of FillP

Start at: 2018-02-20 13:57:04
End at: 2018-02-20 13:57:34
Local clock offset: -13.606 ms
Remote clock offset: -12.762 ms

Below is generated by plot.py at 2018-02-20 17:21:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.992 ms
Loss rate: 21.07%
-- Flow 1:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 30.971 ms
Loss rate: 17.31%
-- Flow 2:
Average throughput: 42.36 Mbit/s
95th percentile per-packet one-way delay: 31.004 ms
Loss rate: 24.07%
-- Flow 3:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 31.030 ms
Loss rate: 30.25%

Run 3: Report of FillP — Data Link

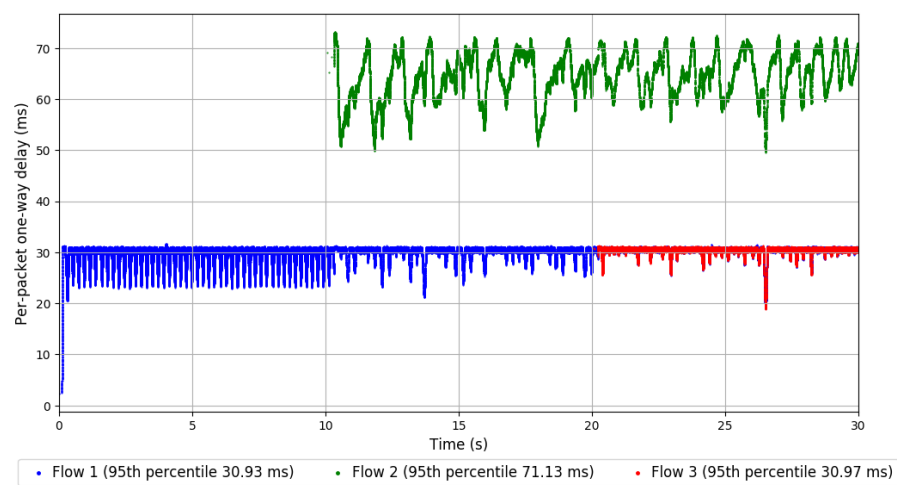
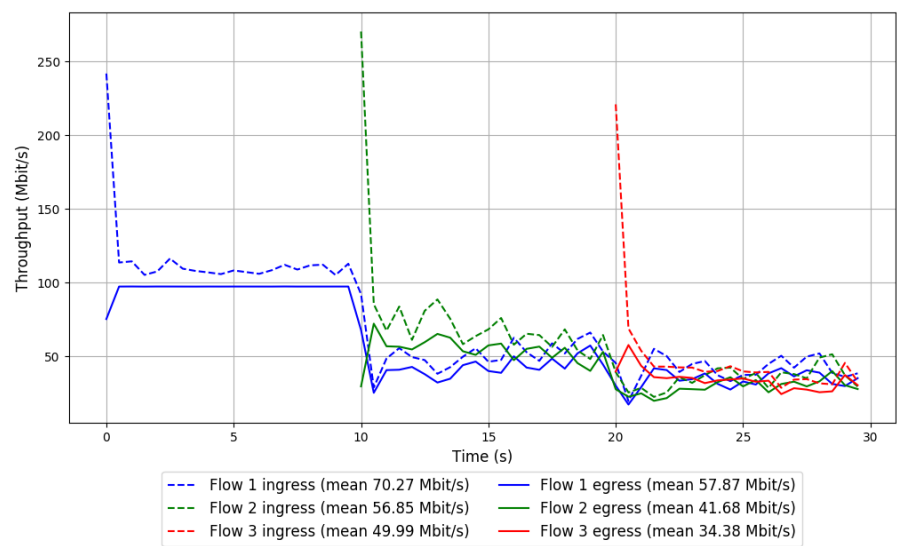


Run 4: Statistics of FillP

Start at: 2018-02-20 14:17:37
End at: 2018-02-20 14:18:07
Local clock offset: -12.594 ms
Remote clock offset: -12.662 ms

Below is generated by plot.py at 2018-02-20 17:21:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 69.168 ms
Loss rate: 22.20%
-- Flow 1:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 30.930 ms
Loss rate: 17.58%
-- Flow 2:
Average throughput: 41.68 Mbit/s
95th percentile per-packet one-way delay: 71.127 ms
Loss rate: 26.83%
-- Flow 3:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 30.971 ms
Loss rate: 31.23%

Run 4: Report of FillP — Data Link

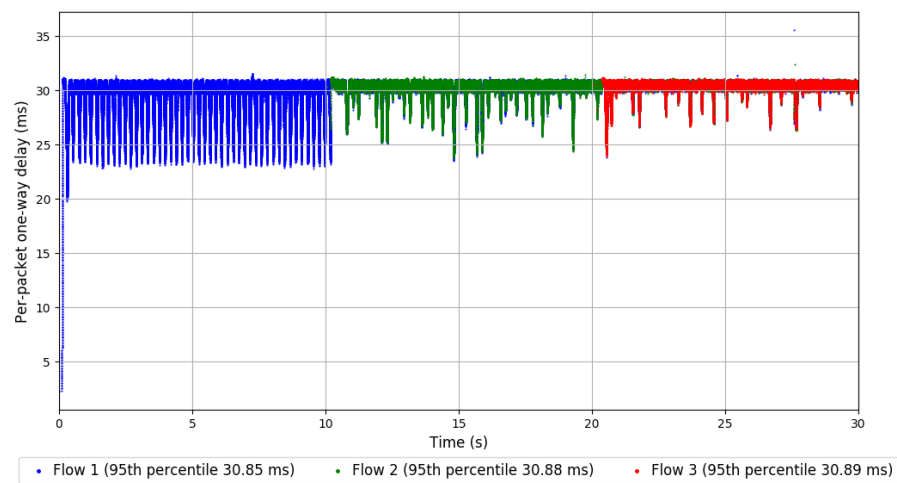
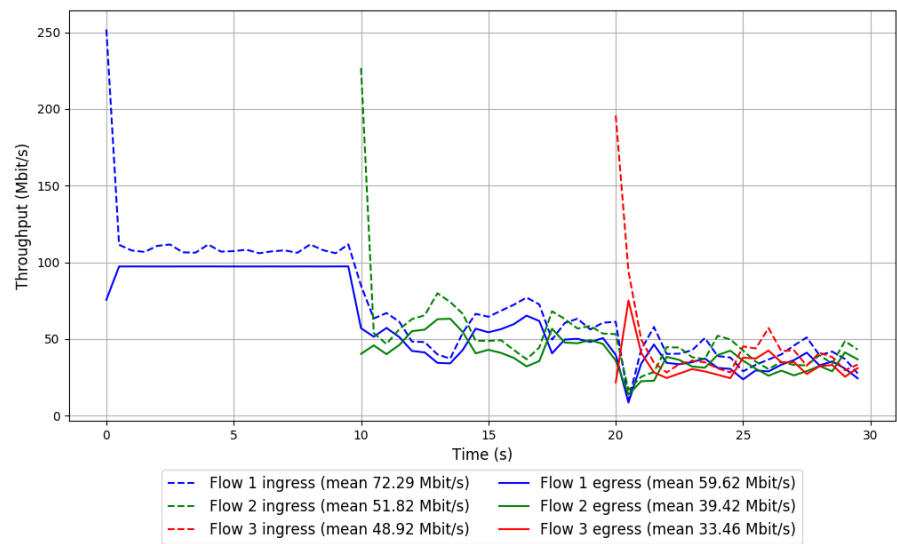


Run 5: Statistics of FillP

Start at: 2018-02-20 14:38:10
End at: 2018-02-20 14:38:40
Local clock offset: -15.637 ms
Remote clock offset: -12.65 ms

Below is generated by plot.py at 2018-02-20 17:21:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 30.860 ms
Loss rate: 21.13%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 30.847 ms
Loss rate: 17.44%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 30.875 ms
Loss rate: 23.92%
-- Flow 3:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 30.888 ms
Loss rate: 31.60%

Run 5: Report of FillP — Data Link

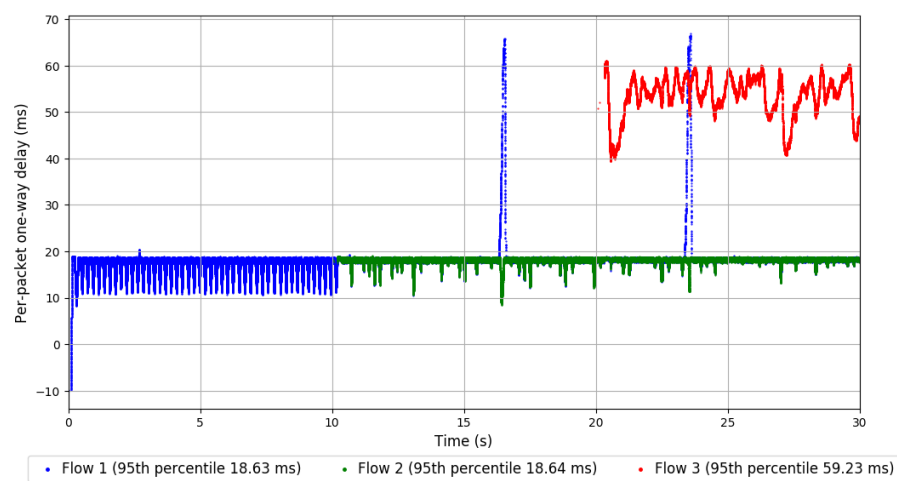
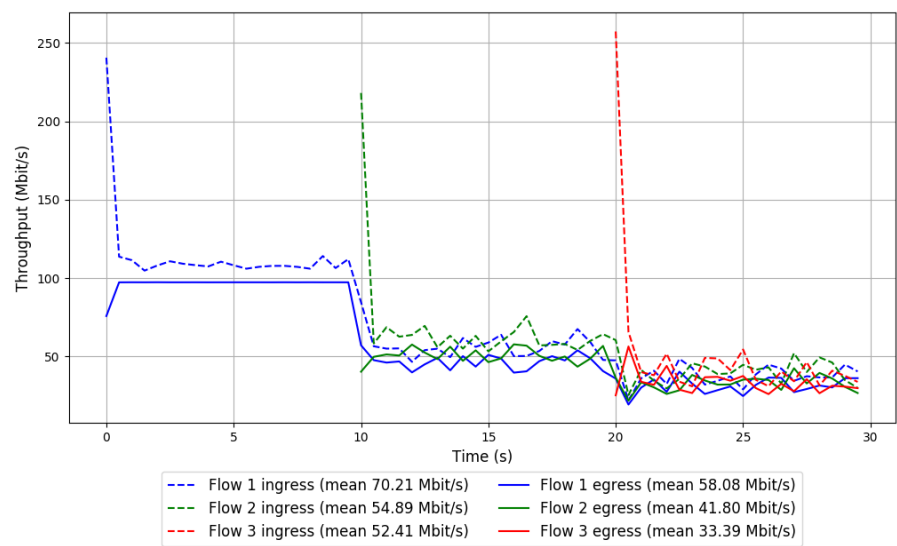


Run 6: Statistics of FillP

Start at: 2018-02-20 14:58:40
End at: 2018-02-20 14:59:10
Local clock offset: -16.733 ms
Remote clock offset: -25.009 ms

Below is generated by plot.py at 2018-02-20 17:21:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 54.975 ms
Loss rate: 21.85%
-- Flow 1:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 18.632 ms
Loss rate: 17.20%
-- Flow 2:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 18.641 ms
Loss rate: 23.84%
-- Flow 3:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 59.225 ms
Loss rate: 36.49%

Run 6: Report of FillP — Data Link

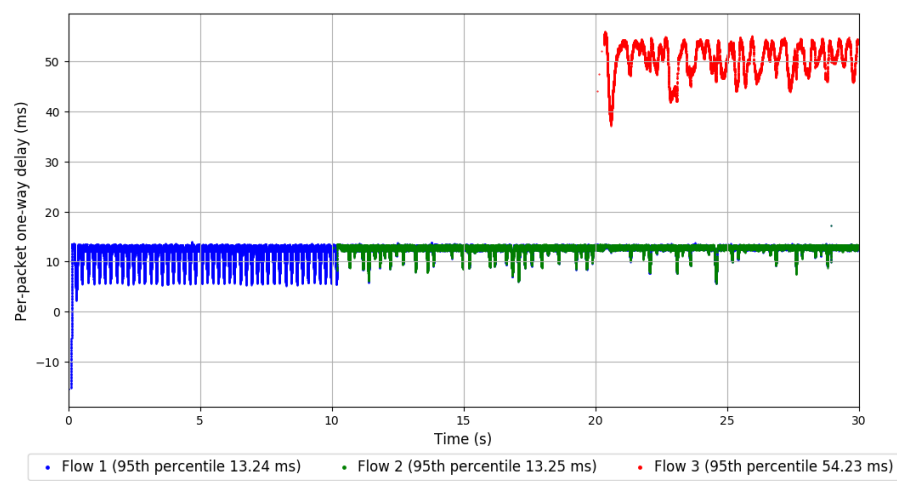
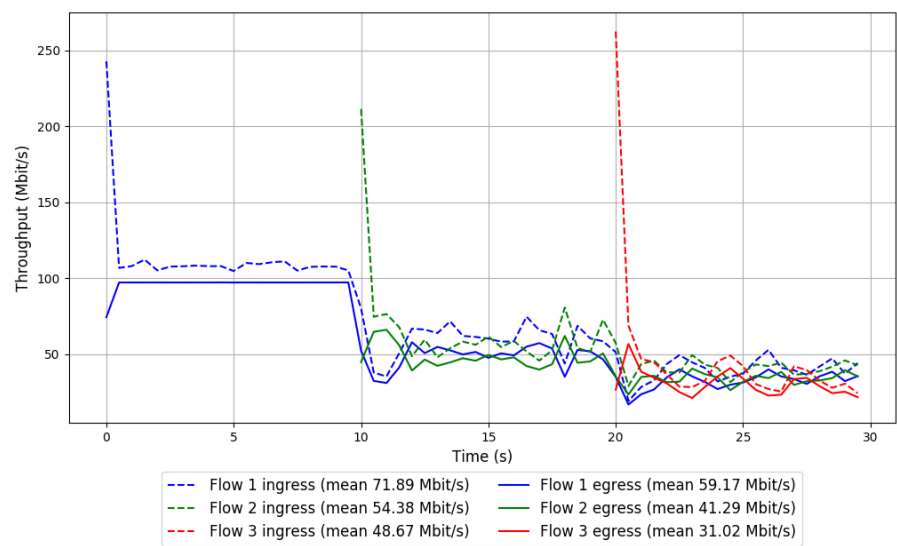


Run 7: Statistics of FillP

Start at: 2018-02-20 15:19:12
End at: 2018-02-20 15:19:42
Local clock offset: -17.38 ms
Remote clock offset: -30.728 ms

Below is generated by plot.py at 2018-02-20 17:22:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 51.287 ms
Loss rate: 21.94%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 13.237 ms
Loss rate: 17.61%
-- Flow 2:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 13.249 ms
Loss rate: 24.06%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 54.230 ms
Loss rate: 36.47%

Run 7: Report of FillP — Data Link

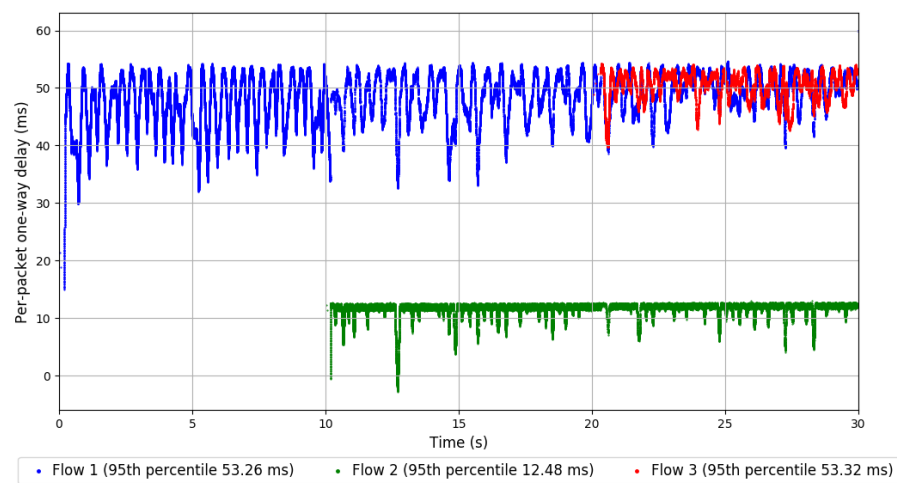
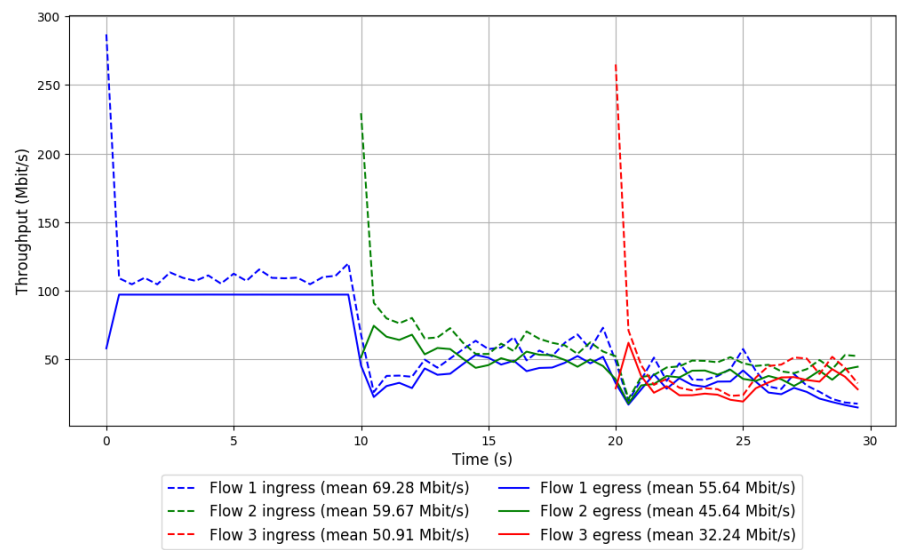


Run 8: Statistics of FillP

Start at: 2018-02-20 15:39:42
End at: 2018-02-20 15:40:12
Local clock offset: -8.553 ms
Remote clock offset: -32.276 ms

Below is generated by plot.py at 2018-02-20 17:22:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.66 Mbit/s
95th percentile per-packet one-way delay: 53.109 ms
Loss rate: 23.21%
-- Flow 1:
Average throughput: 55.64 Mbit/s
95th percentile per-packet one-way delay: 53.261 ms
Loss rate: 19.69%
-- Flow 2:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 12.478 ms
Loss rate: 23.52%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 53.320 ms
Loss rate: 36.92%

Run 8: Report of FillP — Data Link

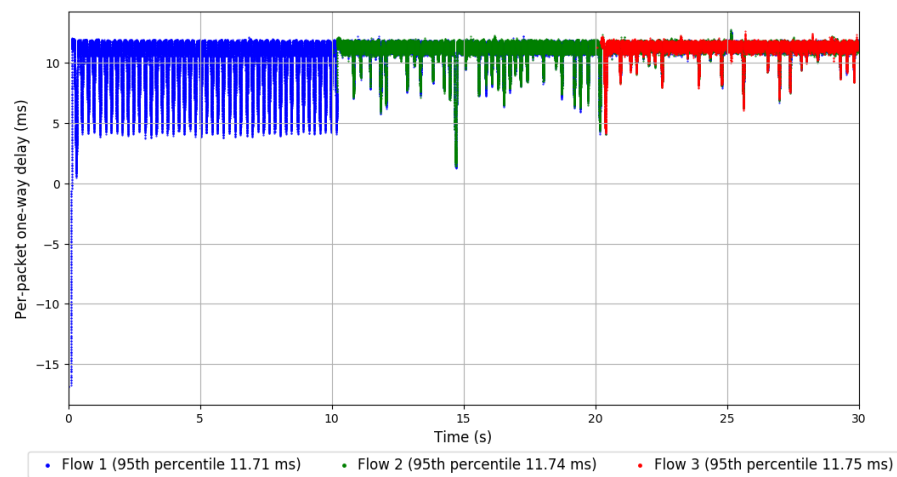
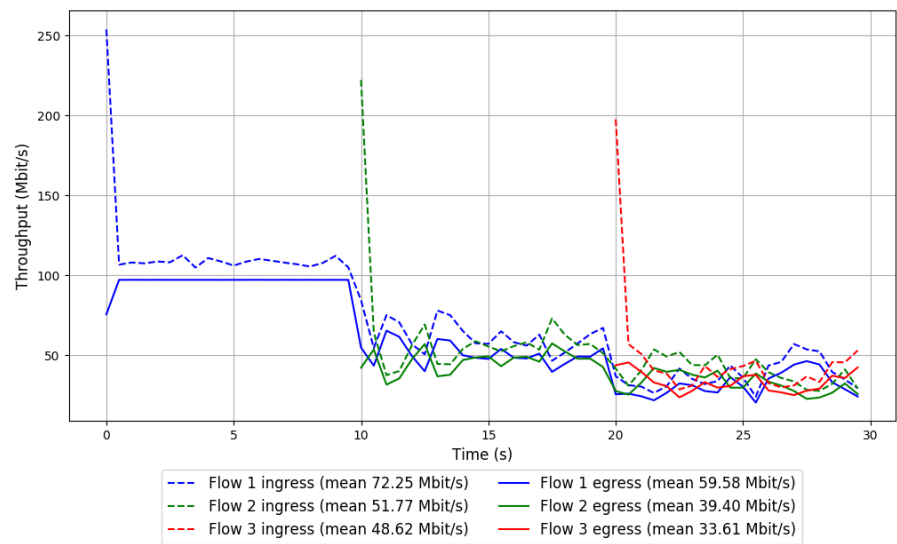


Run 9: Statistics of FillP

Start at: 2018-02-20 16:00:13
End at: 2018-02-20 16:00:43
Local clock offset: -0.964 ms
Remote clock offset: -26.309 ms

Below is generated by plot.py at 2018-02-20 17:22:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.92 Mbit/s
95th percentile per-packet one-way delay: 11.726 ms
Loss rate: 21.02%
-- Flow 1:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 11.714 ms
Loss rate: 17.46%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 11.739 ms
Loss rate: 23.89%
-- Flow 3:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 11.749 ms
Loss rate: 30.88%

Run 9: Report of FillP — Data Link

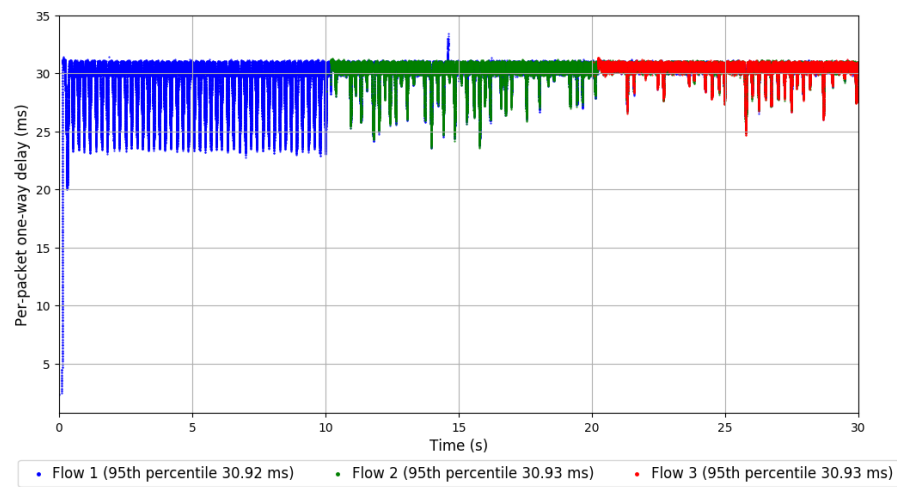
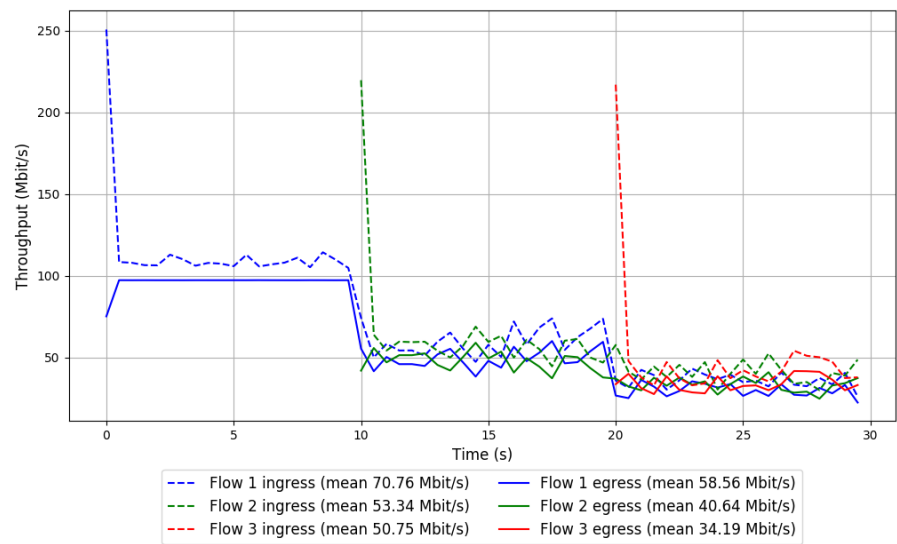


Run 10: Statistics of FillP

Start at: 2018-02-20 16:20:44
End at: 2018-02-20 16:21:14
Local clock offset: -2.459 ms
Remote clock offset: -2.057 ms

Below is generated by plot.py at 2018-02-20 17:22:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.927 ms
Loss rate: 21.19%
-- Flow 1:
Average throughput: 58.56 Mbit/s
95th percentile per-packet one-way delay: 30.922 ms
Loss rate: 17.16%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 30.935 ms
Loss rate: 23.80%
-- Flow 3:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 30.931 ms
Loss rate: 32.64%

Run 10: Report of FillP — Data Link

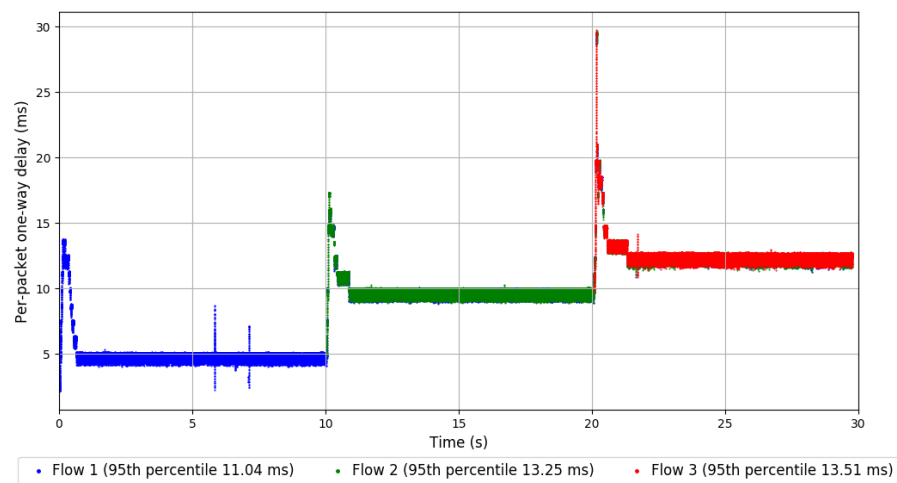
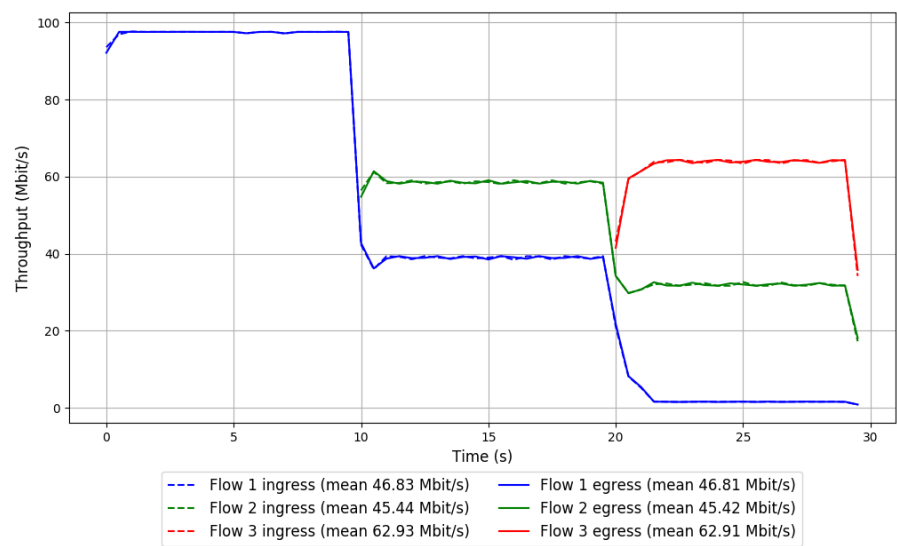


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-20 13:14:50
End at: 2018-02-20 13:15:20
Local clock offset: -13.142 ms
Remote clock offset: -12.216 ms

Below is generated by plot.py at 2018-02-20 17:22:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 11.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 13.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 13.509 ms
Loss rate: 0.00%

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

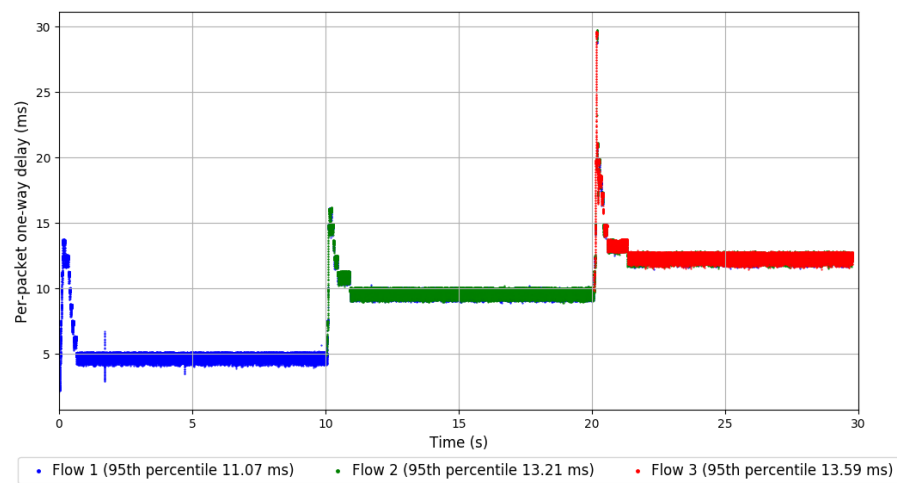
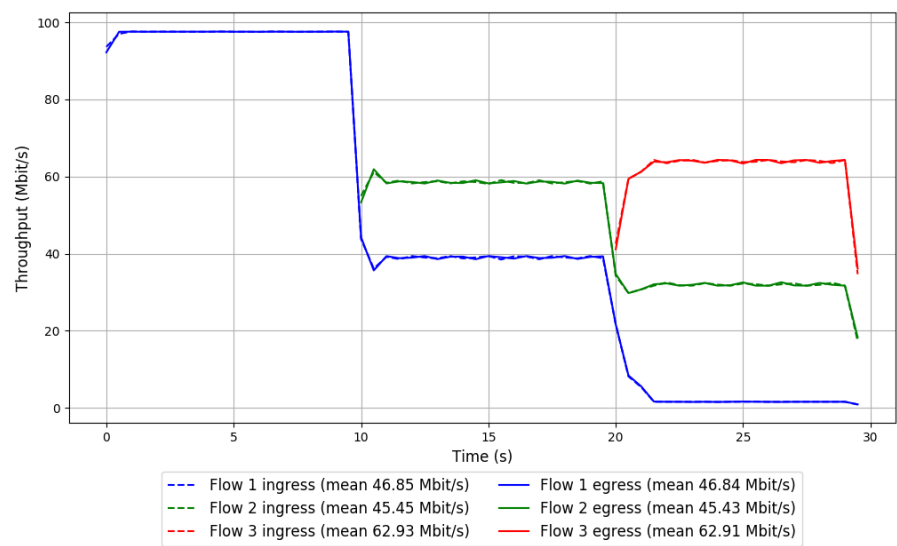


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-20 13:35:22
End at: 2018-02-20 13:35:52
Local clock offset: -14.757 ms
Remote clock offset: -12.422 ms

Below is generated by plot.py at 2018-02-20 17:22:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 12.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 11.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.43 Mbit/s
95th percentile per-packet one-way delay: 13.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 13.591 ms
Loss rate: 0.00%

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

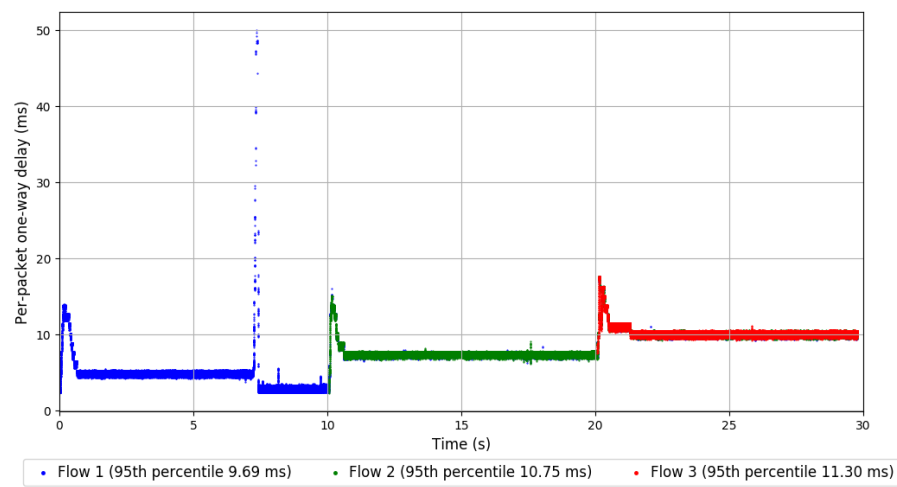
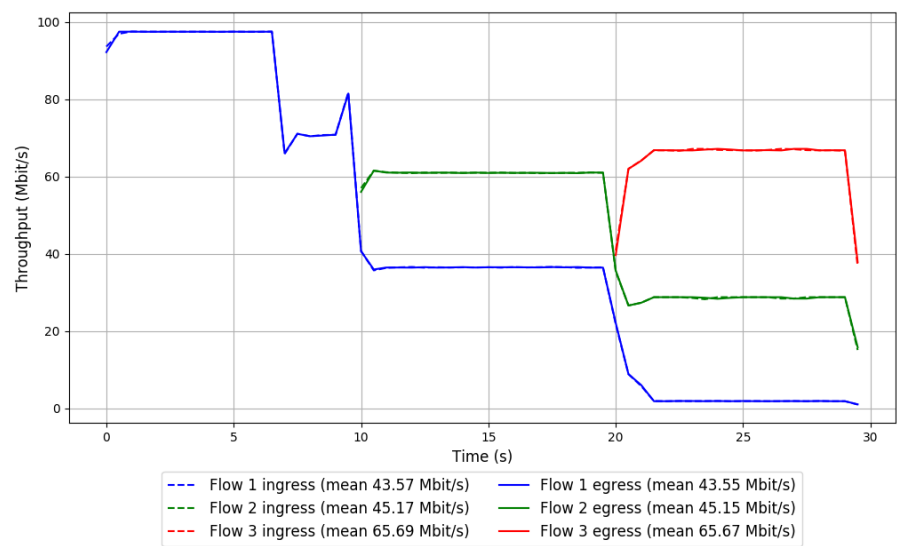


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-20 13:55:54
End at: 2018-02-20 13:56:24
Local clock offset: -13.732 ms
Remote clock offset: -12.71 ms

Below is generated by plot.py at 2018-02-20 17:23:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 11.203 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 9.691 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 10.748 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.67 Mbit/s
95th percentile per-packet one-way delay: 11.303 ms
Loss rate: 0.00%

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

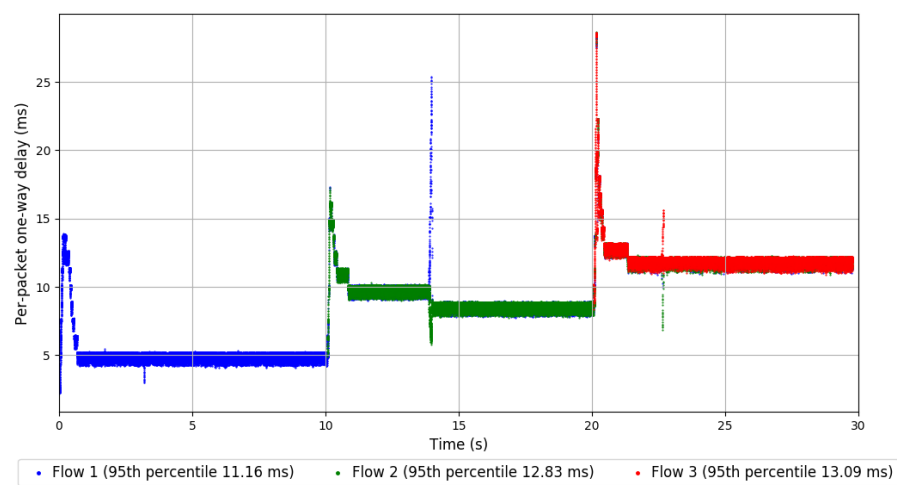
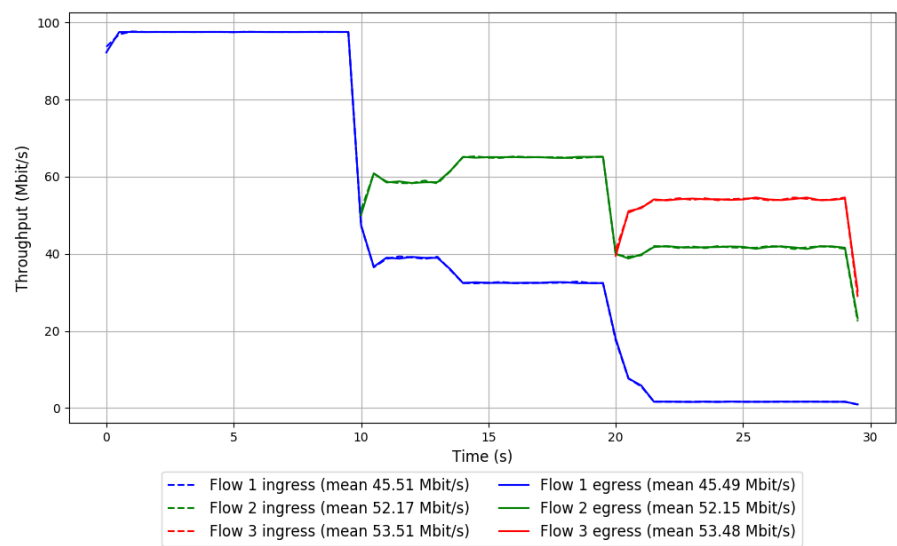


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-20 14:16:27
End at: 2018-02-20 14:16:57
Local clock offset: -12.611 ms
Remote clock offset: -12.671 ms

Below is generated by plot.py at 2018-02-20 17:23:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 12.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.49 Mbit/s
95th percentile per-packet one-way delay: 11.157 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 52.15 Mbit/s
95th percentile per-packet one-way delay: 12.834 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 13.085 ms
Loss rate: 0.00%

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

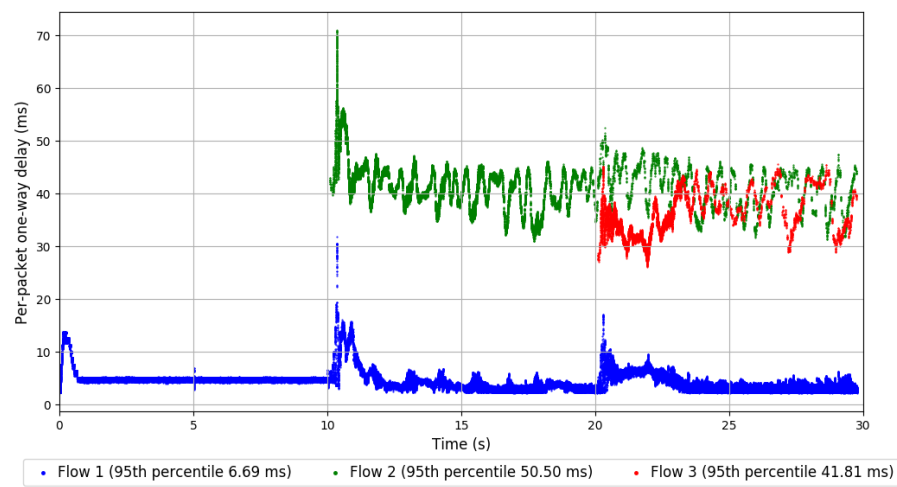
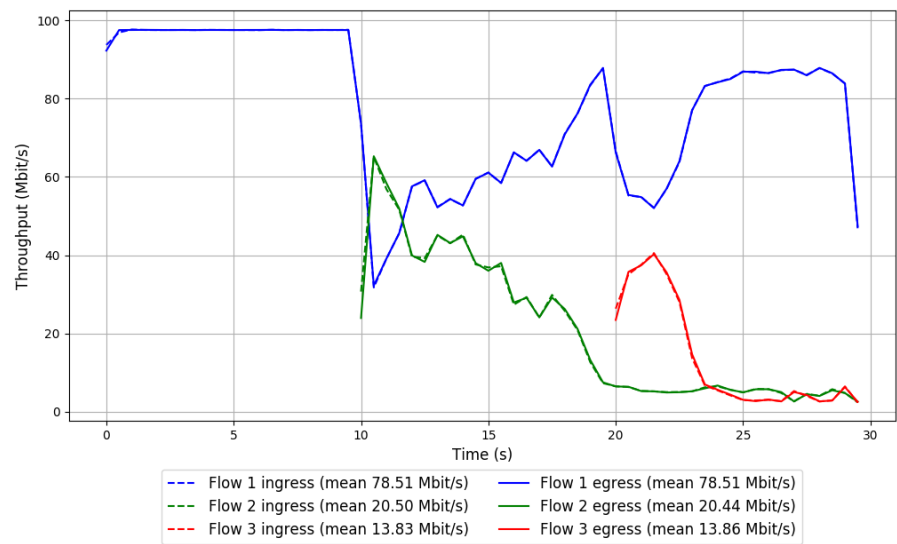


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-20 14:37:00
End at: 2018-02-20 14:37:30
Local clock offset: -15.53 ms
Remote clock offset: -12.657 ms

Below is generated by plot.py at 2018-02-20 17:23:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 43.288 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 6.688 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 41.812 ms
Loss rate: 0.09%

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

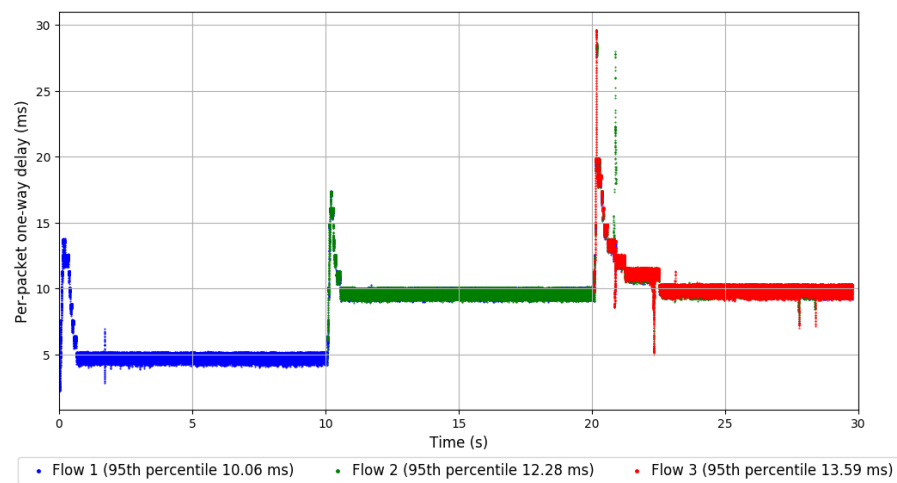
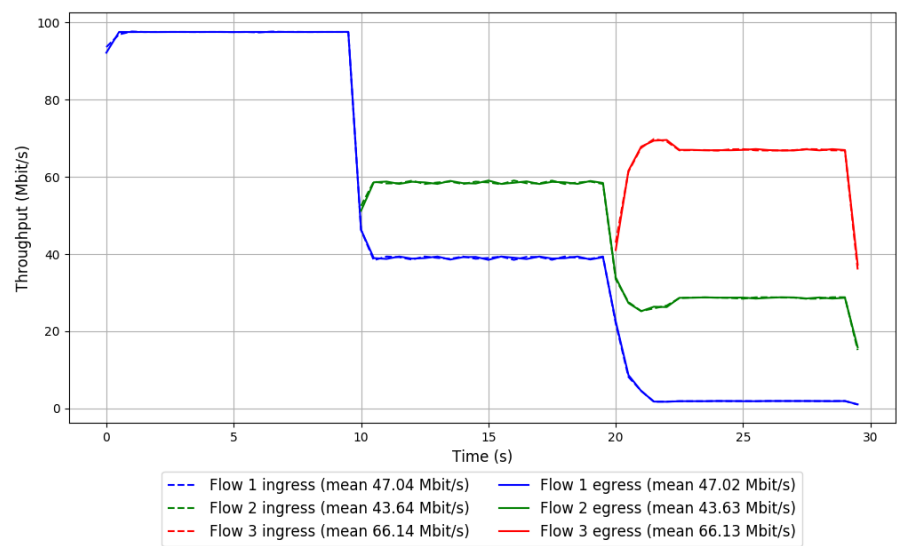


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-20 14:57:31
End at: 2018-02-20 14:58:01
Local clock offset: -16.682 ms
Remote clock offset: -12.731 ms

Below is generated by plot.py at 2018-02-20 17:24:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 12.257 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.02 Mbit/s
95th percentile per-packet one-way delay: 10.064 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 12.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 13.586 ms
Loss rate: 0.00%

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

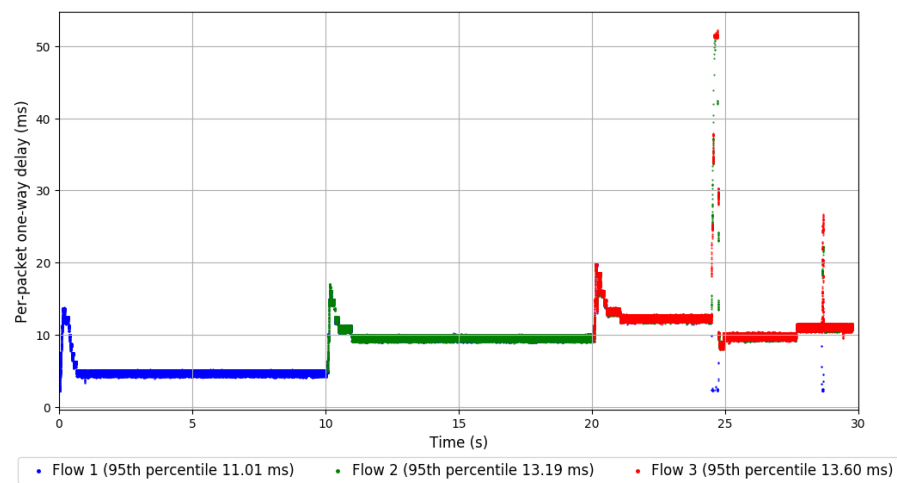
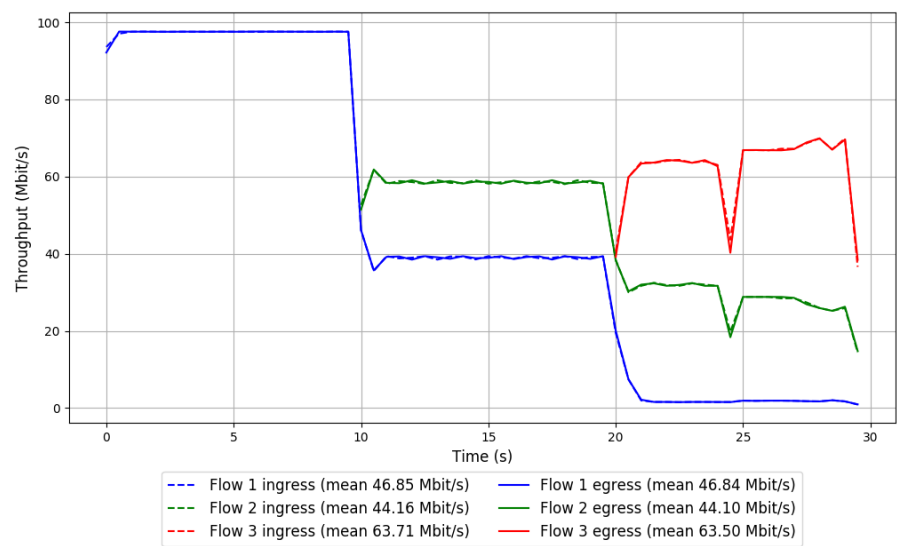


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-20 15:18:03
End at: 2018-02-20 15:18:33
Local clock offset: -17.359 ms
Remote clock offset: -13.092 ms

Below is generated by plot.py at 2018-02-20 17:24:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 12.704 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 11.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 13.190 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 13.604 ms
Loss rate: 0.32%

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

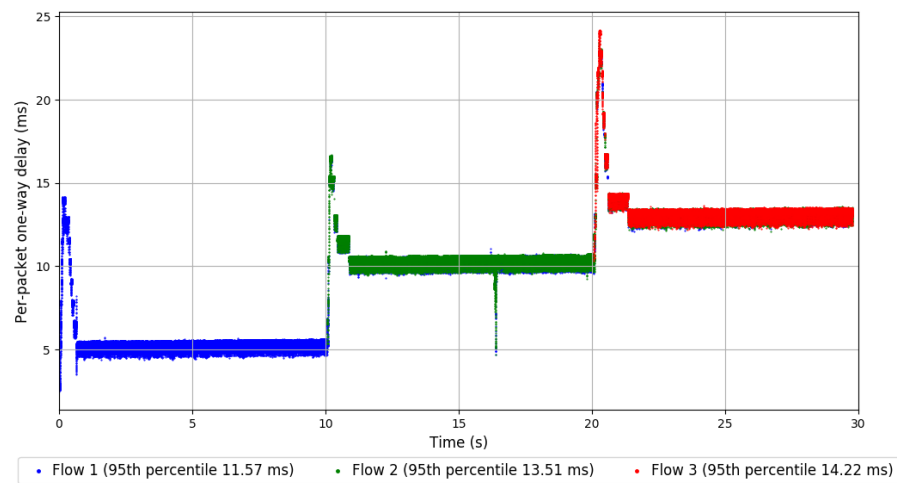
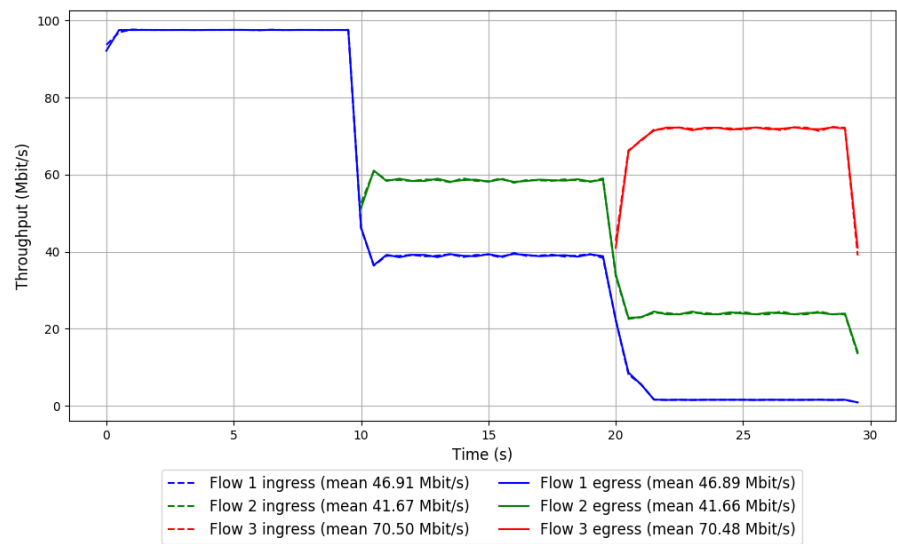


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-20 15:38:33
End at: 2018-02-20 15:39:03
Local clock offset: -9.351 ms
Remote clock offset: -13.274 ms

Below is generated by plot.py at 2018-02-20 17:24:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 13.482 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 11.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.66 Mbit/s
95th percentile per-packet one-way delay: 13.506 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.48 Mbit/s
95th percentile per-packet one-way delay: 14.220 ms
Loss rate: 0.00%

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

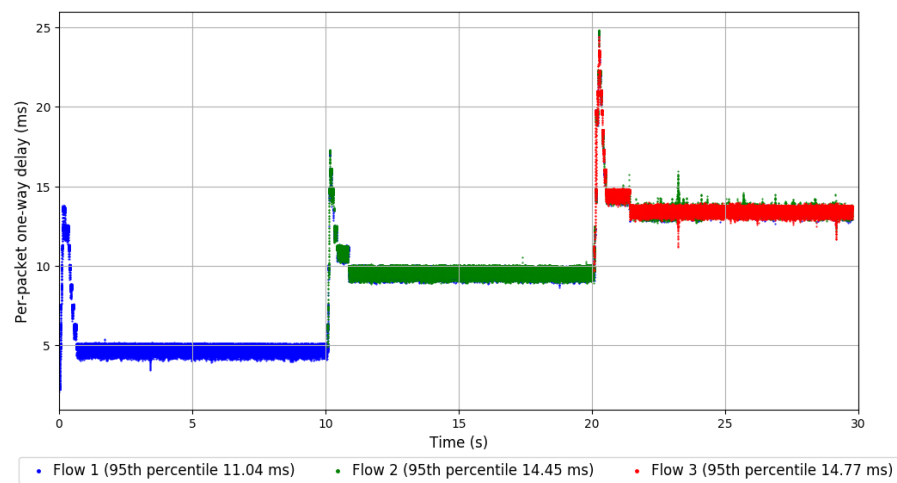
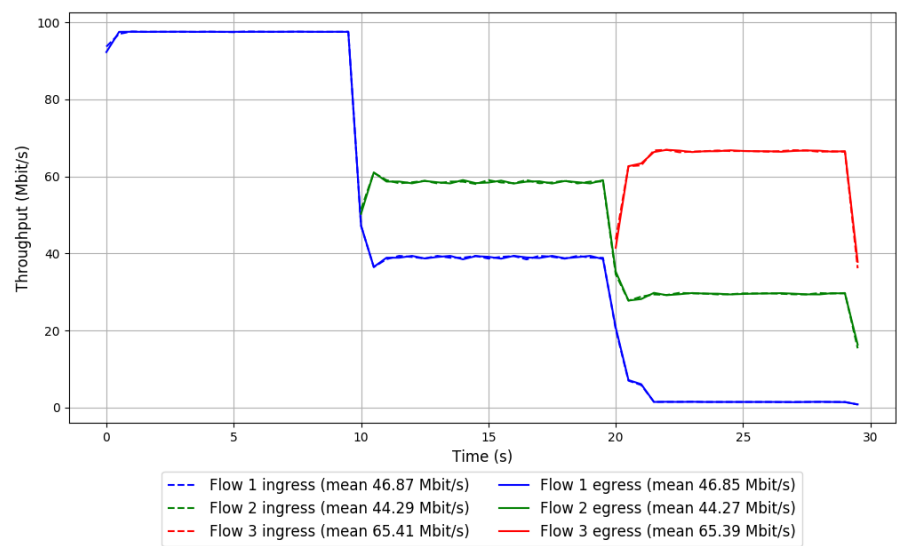


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-20 15:59:04
End at: 2018-02-20 15:59:34
Local clock offset: -1.144 ms
Remote clock offset: -7.597 ms

Below is generated by plot.py at 2018-02-20 17:24:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 13.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 11.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.27 Mbit/s
95th percentile per-packet one-way delay: 14.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.39 Mbit/s
95th percentile per-packet one-way delay: 14.772 ms
Loss rate: 0.00%

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

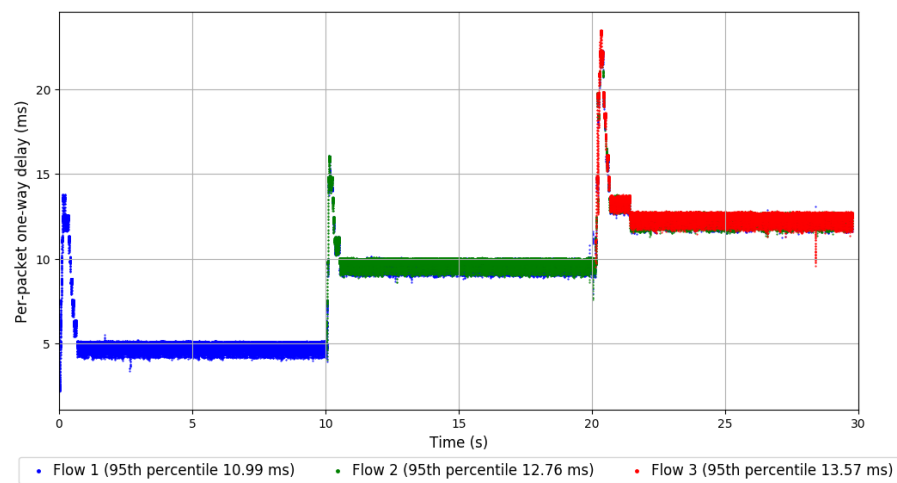
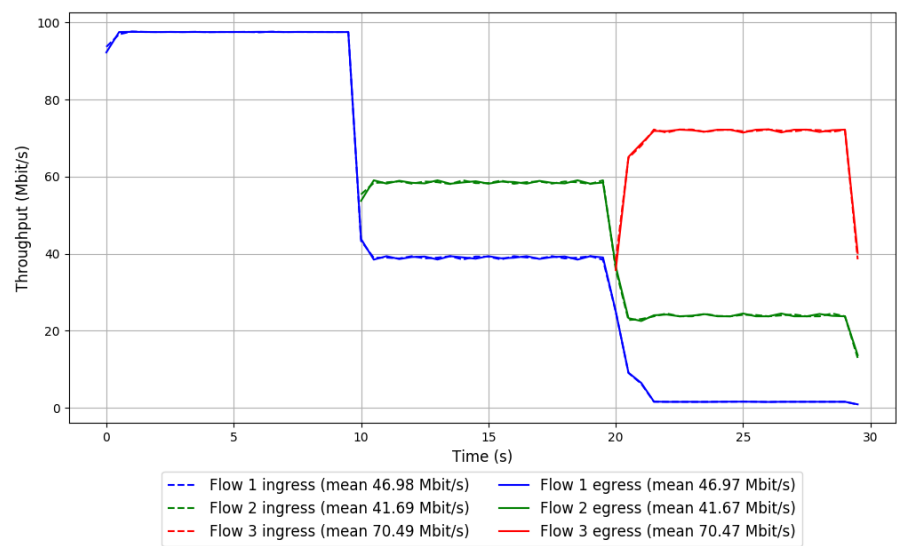


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-20 16:19:34
End at: 2018-02-20 16:20:04
Local clock offset: -2.384 ms
Remote clock offset: -2.242 ms

Below is generated by plot.py at 2018-02-20 17:24:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 12.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 10.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.67 Mbit/s
95th percentile per-packet one-way delay: 12.763 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.47 Mbit/s
95th percentile per-packet one-way delay: 13.571 ms
Loss rate: 0.00%

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

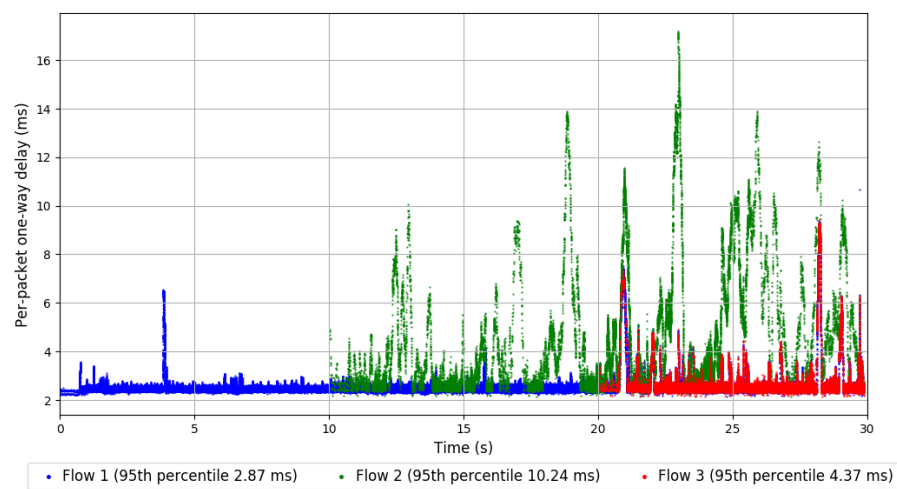
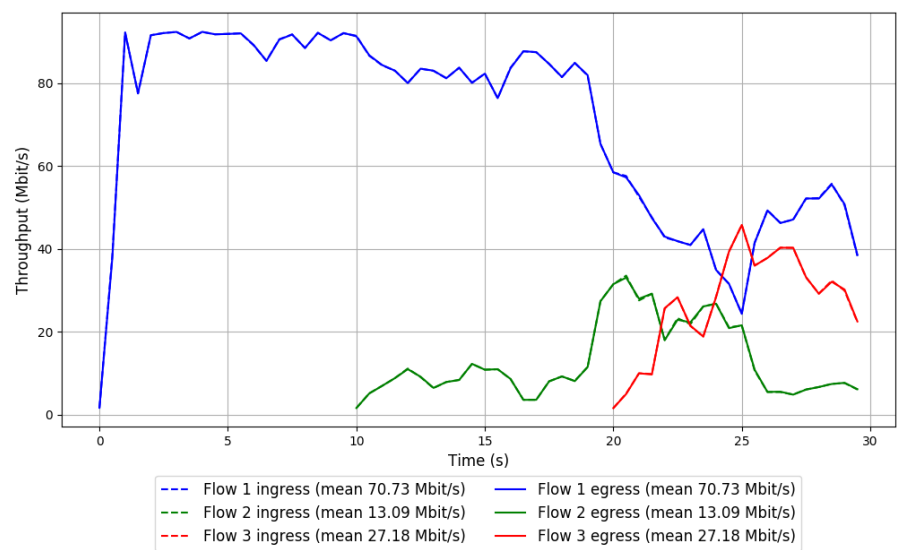


Run 1: Statistics of Vivace-latency

Start at: 2018-02-20 13:26:10
End at: 2018-02-20 13:26:40
Local clock offset: -14.447 ms
Remote clock offset: -12.288 ms

Below is generated by plot.py at 2018-02-20 17:24:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 4.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 2.873 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 10.236 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 4.369 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

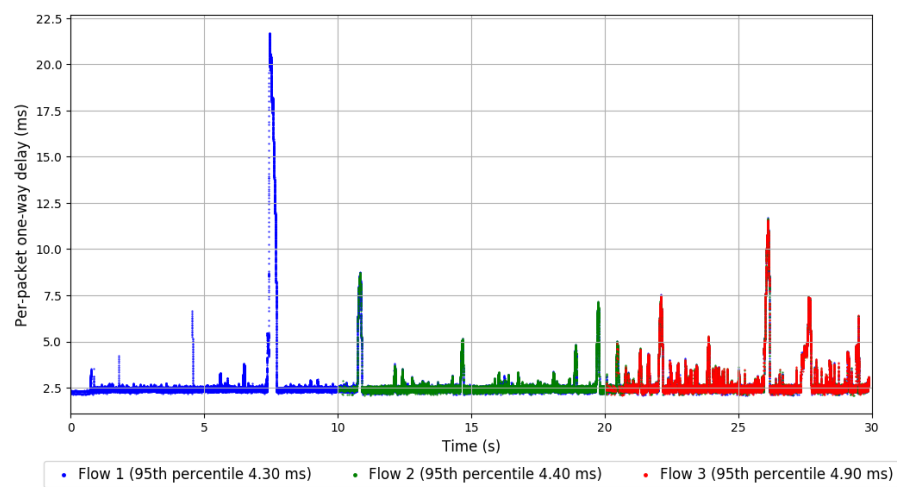
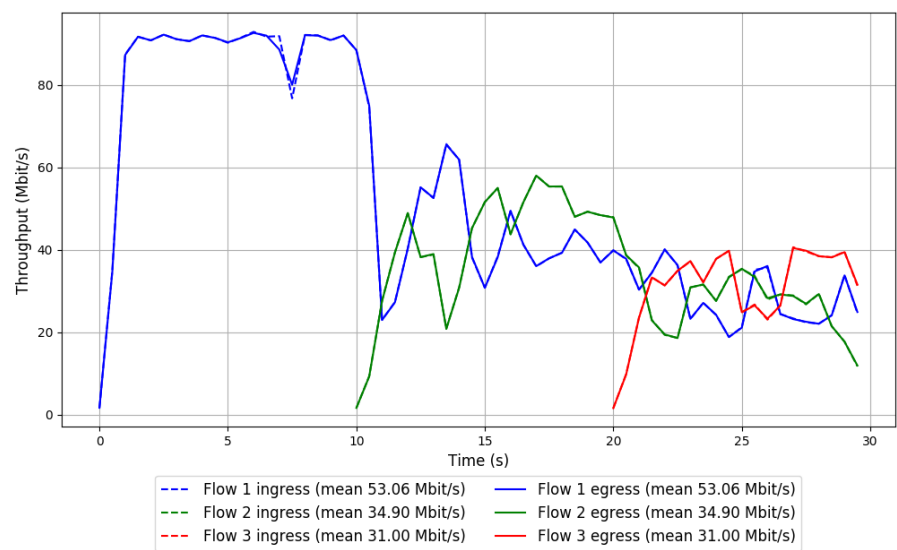


Run 2: Statistics of Vivace-latency

Start at: 2018-02-20 13:46:43
End at: 2018-02-20 13:47:13
Local clock offset: -14.952 ms
Remote clock offset: -12.672 ms

Below is generated by plot.py at 2018-02-20 17:24:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.48 Mbit/s
95th percentile per-packet one-way delay: 4.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 4.302 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 4.400 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 4.900 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link

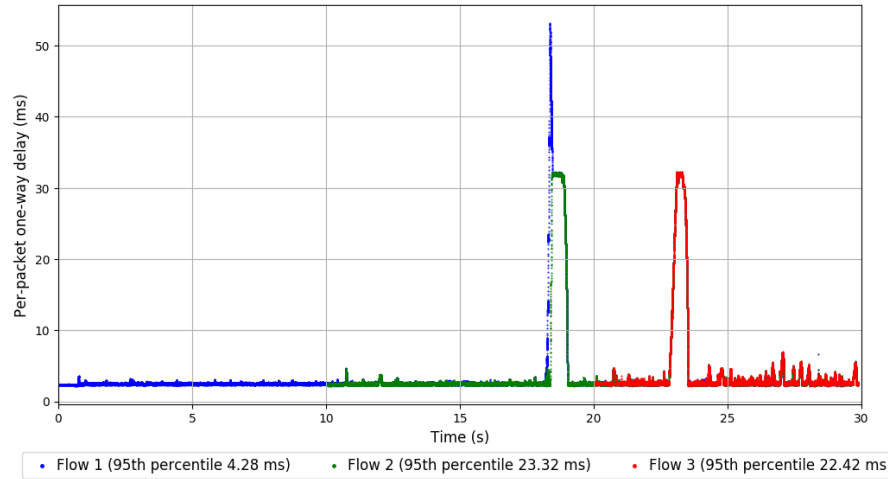
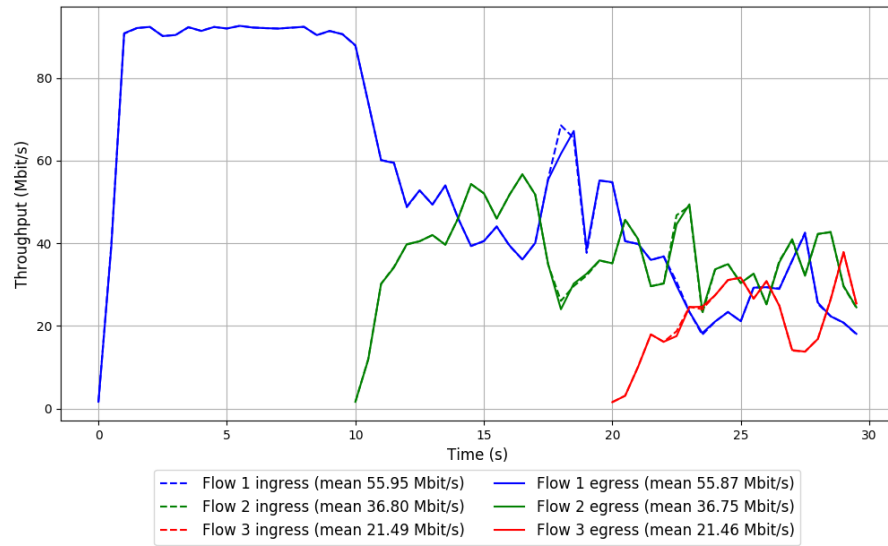


Run 3: Statistics of Vivace-latency

Start at: 2018-02-20 14:07:15
End at: 2018-02-20 14:07:45
Local clock offset: -12.922 ms
Remote clock offset: -12.831 ms

Below is generated by plot.py at 2018-02-20 17:24:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.37 Mbit/s
95th percentile per-packet one-way delay: 6.774 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.87 Mbit/s
95th percentile per-packet one-way delay: 4.279 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 23.323 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 21.46 Mbit/s
95th percentile per-packet one-way delay: 22.419 ms
Loss rate: 0.14%

Run 3: Report of Vivace-latency — Data Link

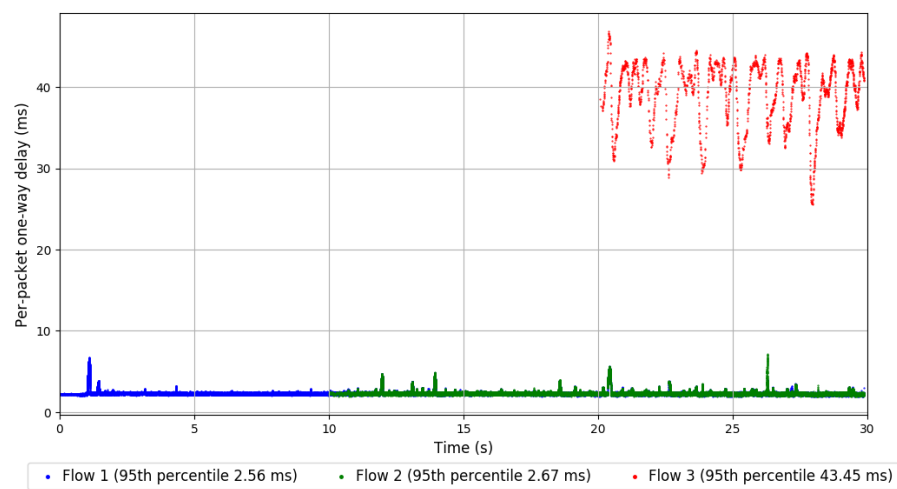
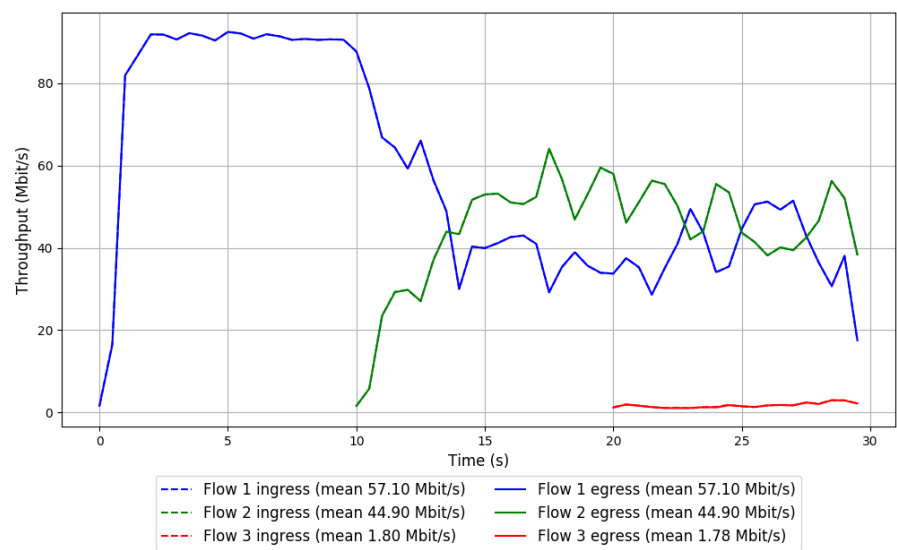


Run 4: Statistics of Vivace-latency

Start at: 2018-02-20 14:27:47
End at: 2018-02-20 14:28:17
Local clock offset: -14.056 ms
Remote clock offset: -12.655 ms

Below is generated by plot.py at 2018-02-20 17:25:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 2.690 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 2.555 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 2.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 43.453 ms
Loss rate: 1.20%

Run 4: Report of Vivace-latency — Data Link

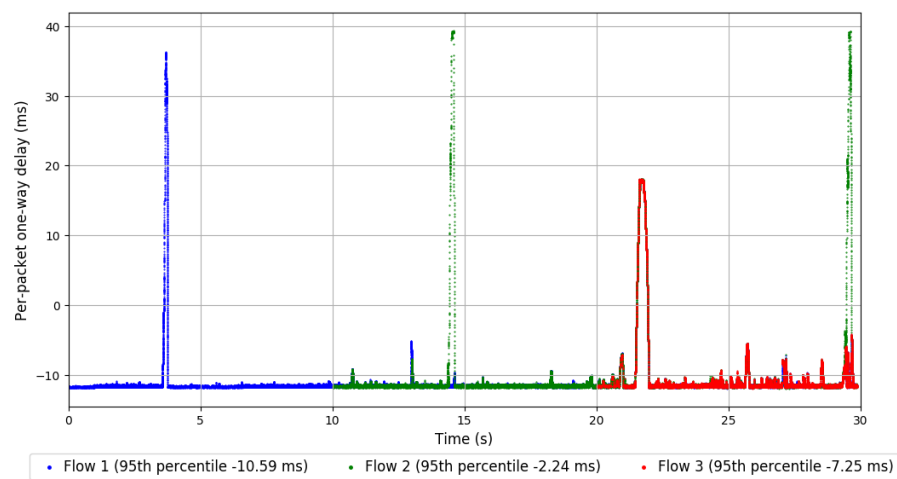
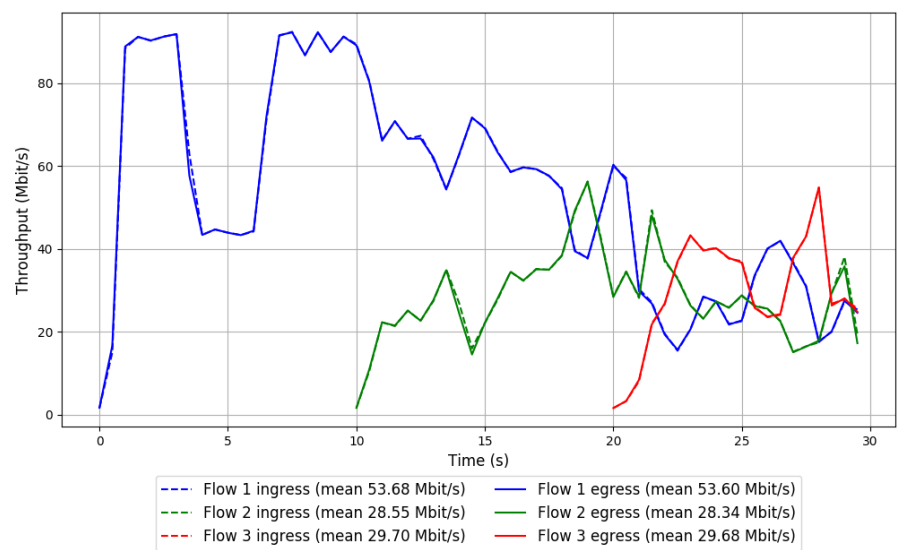


Run 5: Statistics of Vivace-latency

Start at: 2018-02-20 14:48:19
End at: 2018-02-20 14:48:49
Local clock offset: -16.288 ms
Remote clock offset: -26.721 ms

Below is generated by plot.py at 2018-02-20 17:25:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.23 Mbit/s
95th percentile per-packet one-way delay: -9.214 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: -10.585 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 28.34 Mbit/s
95th percentile per-packet one-way delay: -2.243 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: -7.254 ms
Loss rate: 0.06%

Run 5: Report of Vivace-latency — Data Link

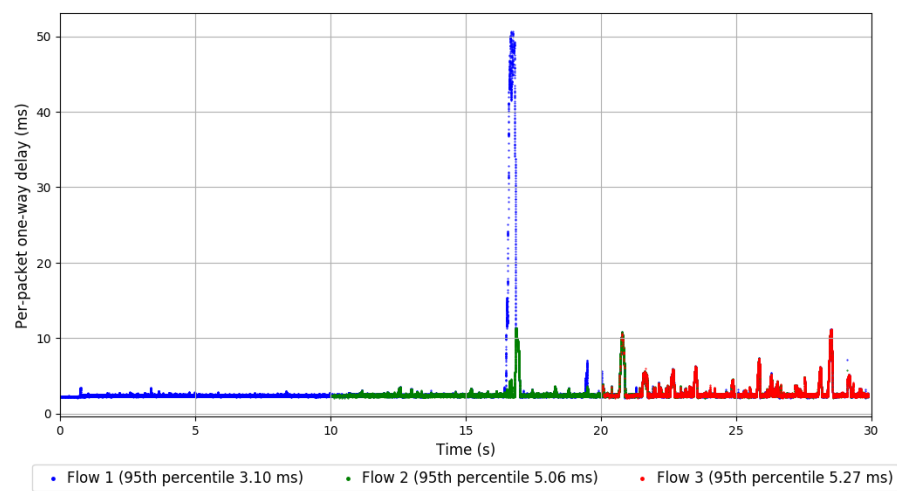
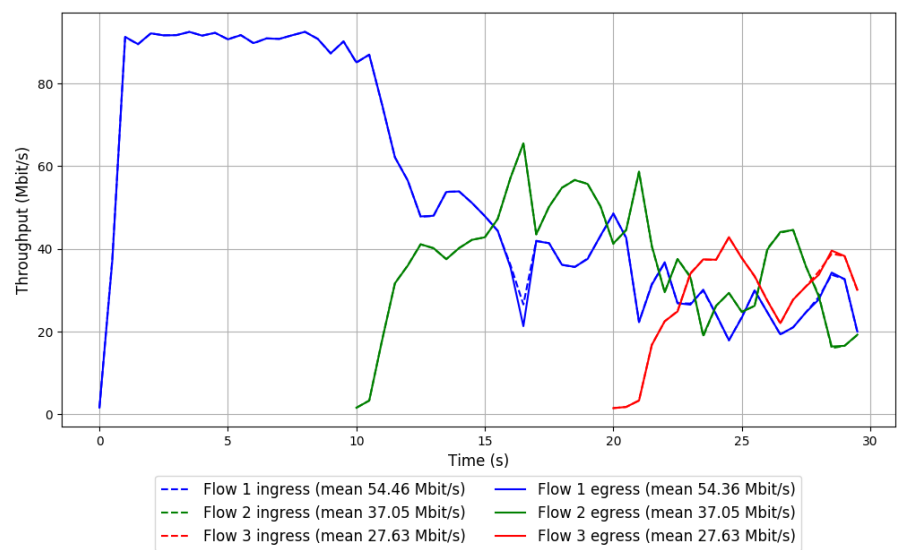


Run 6: Statistics of Vivace-latency

Start at: 2018-02-20 15:08:52
End at: 2018-02-20 15:09:22
Local clock offset: -17.062 ms
Remote clock offset: -12.95 ms

Below is generated by plot.py at 2018-02-20 17:25:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 4.190 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 54.36 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 5.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 5.266 ms
Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

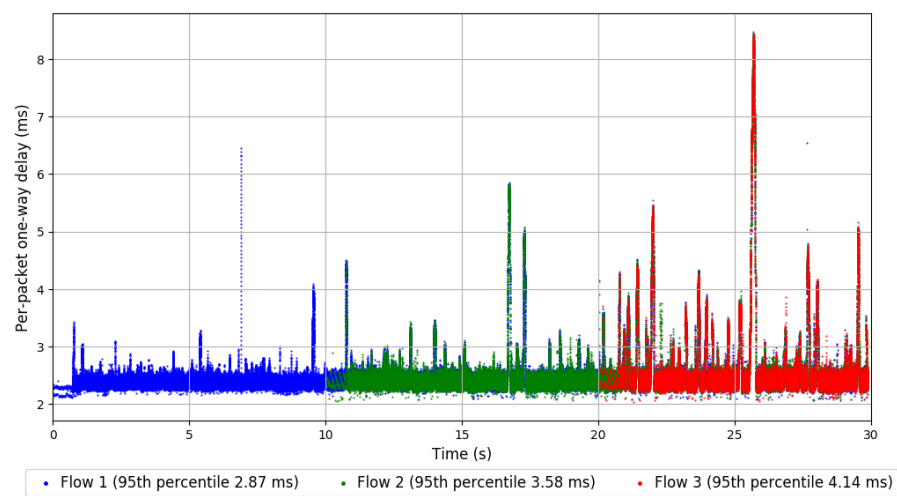
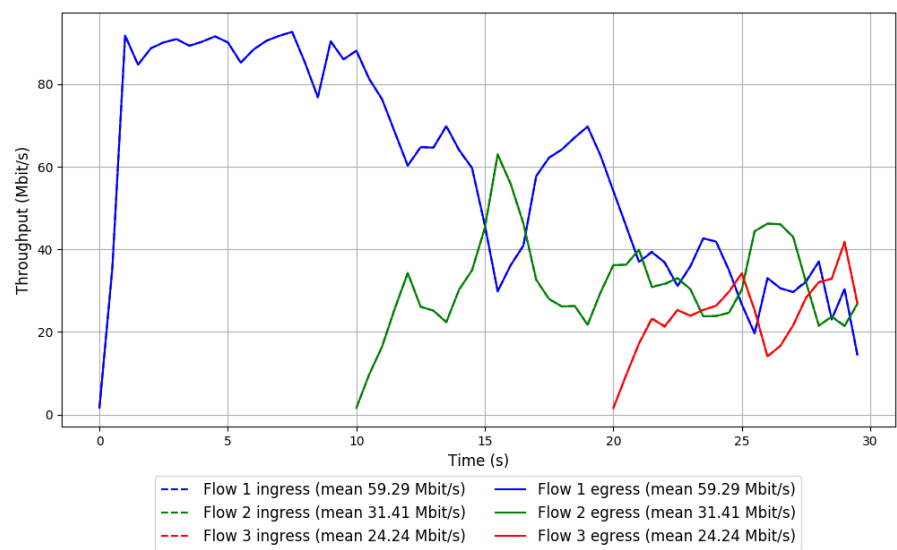


Run 7: Statistics of Vivace-latency

Start at: 2018-02-20 15:29:23
End at: 2018-02-20 15:29:53
Local clock offset: -17.69 ms
Remote clock offset: -13.252 ms

Below is generated by plot.py at 2018-02-20 17:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 3.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 2.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 3.582 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 4.145 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

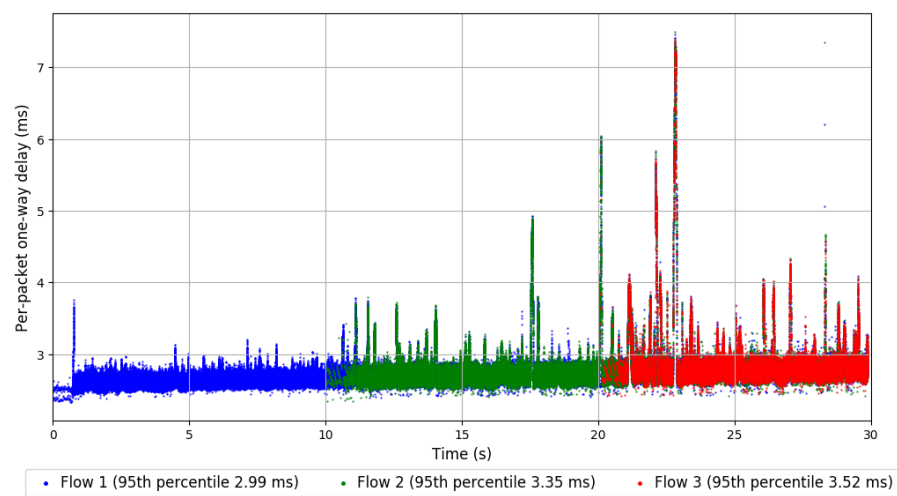
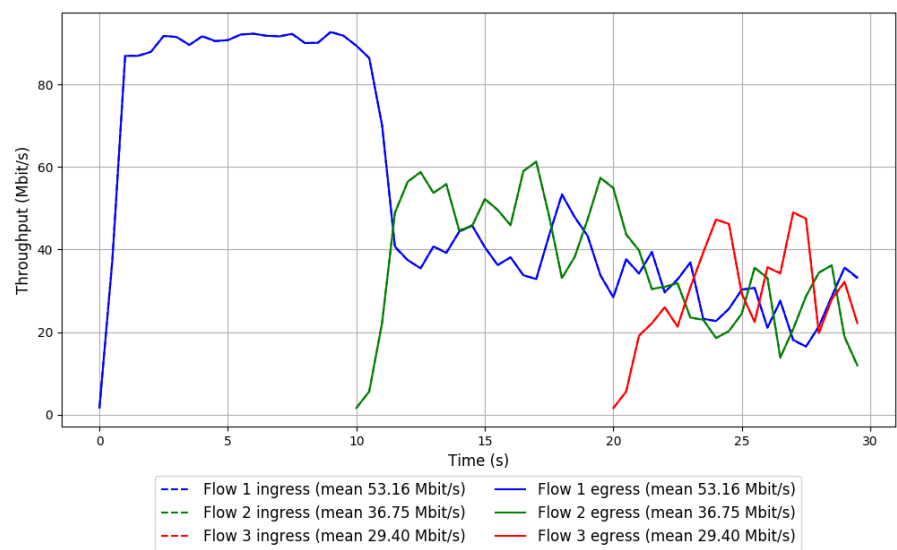


Run 8: Statistics of Vivace-latency

Start at: 2018-02-20 15:49:52
End at: 2018-02-20 15:50:22
Local clock offset: -3.74 ms
Remote clock offset: -13.424 ms

Below is generated by plot.py at 2018-02-20 17:25:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 3.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 2.990 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.75 Mbit/s
95th percentile per-packet one-way delay: 3.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 3.519 ms
Loss rate: 0.00%

Run 8: Report of Vivace-latency — Data Link

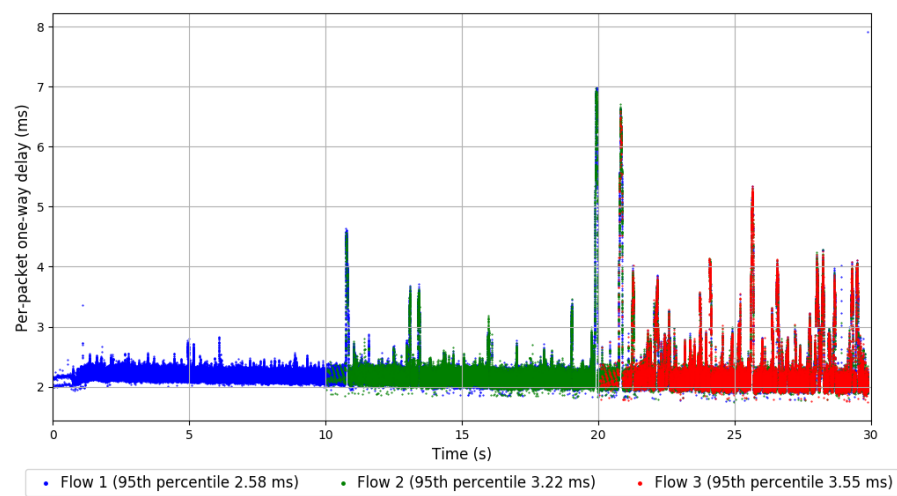
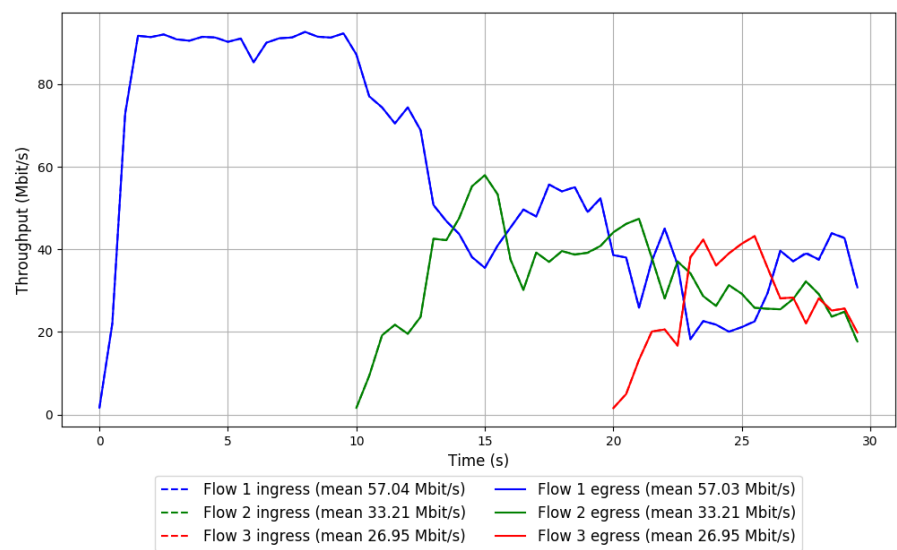


Run 9: Statistics of Vivace-latency

Start at: 2018-02-20 16:10:23
End at: 2018-02-20 16:10:53
Local clock offset: -1.617 ms
Remote clock offset: -4.126 ms

Below is generated by plot.py at 2018-02-20 17:25:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 2.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.03 Mbit/s
95th percentile per-packet one-way delay: 2.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 3.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 3.549 ms
Loss rate: 0.00%

Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-02-20 16:30:56

End at: 2018-02-20 16:31:26

Local clock offset: -1.858 ms

Remote clock offset: 5.967 ms

Below is generated by plot.py at 2018-02-20 17:25:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.32 Mbit/s

95th percentile per-packet one-way delay: 3.134 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.94 Mbit/s

95th percentile per-packet one-way delay: 2.564 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 3.402 ms

Loss rate: 0.00%

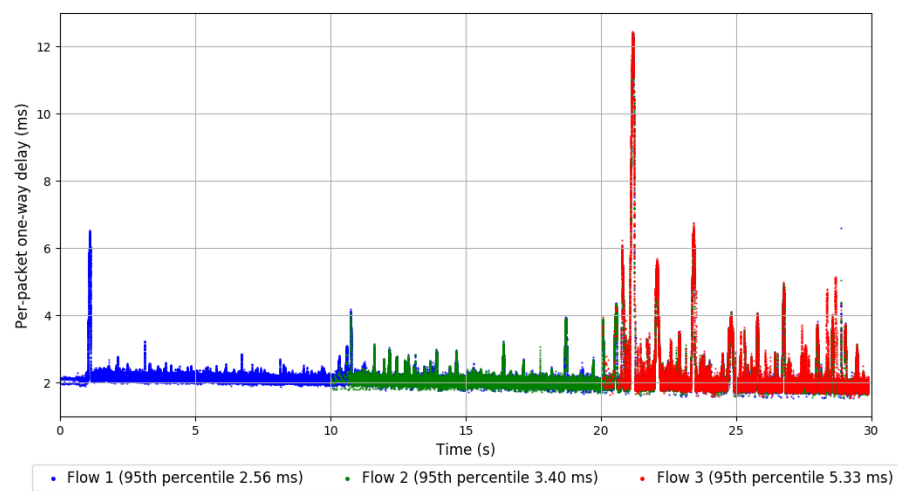
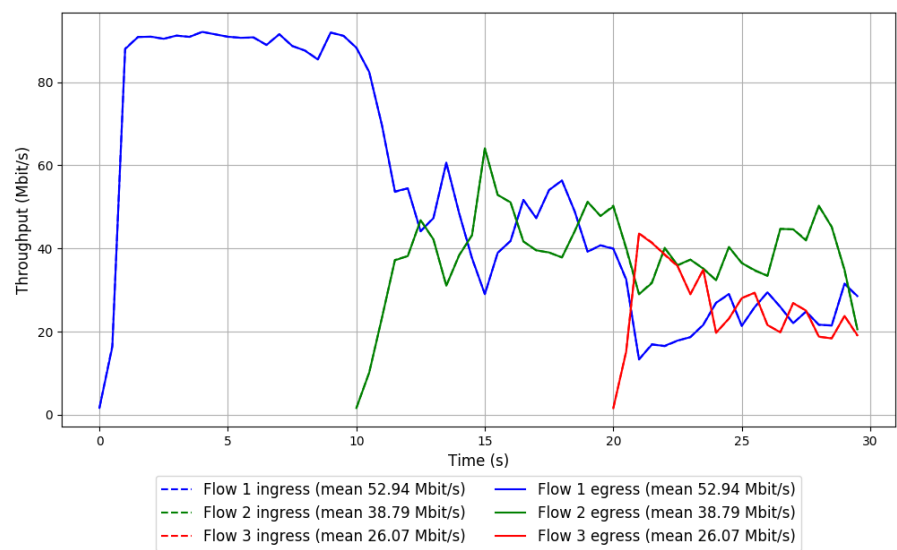
-- Flow 3:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 5.329 ms

Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

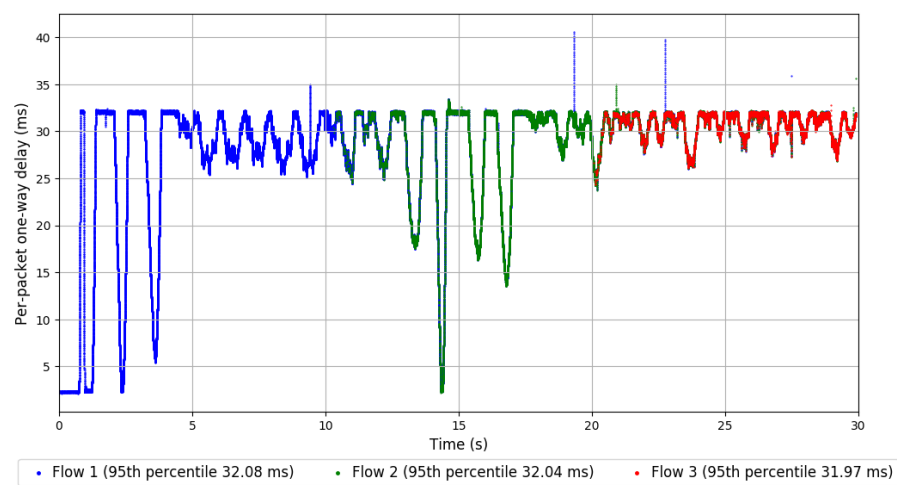
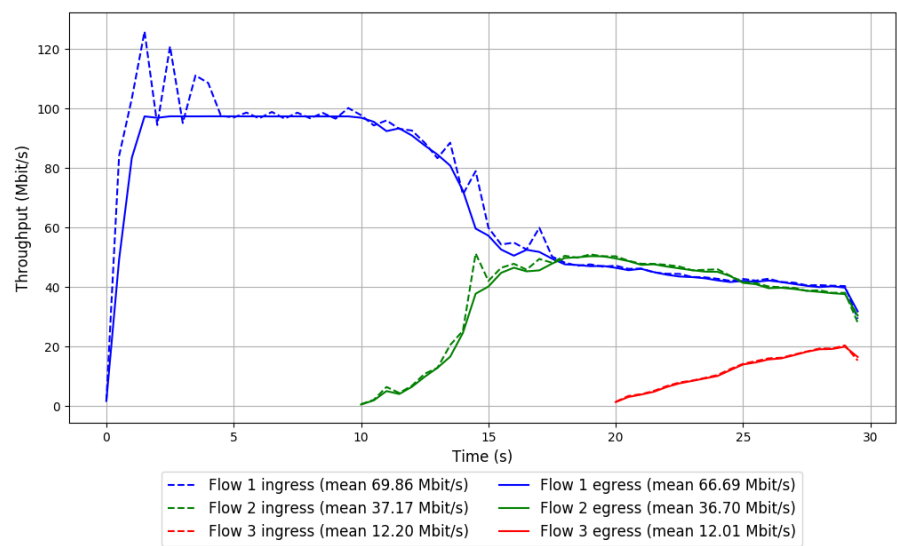


Run 1: Statistics of Vivace-loss

Start at: 2018-02-20 13:08:59
End at: 2018-02-20 13:09:29
Local clock offset: -13.152 ms
Remote clock offset: -12.195 ms

Below is generated by plot.py at 2018-02-20 17:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 32.072 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 66.69 Mbit/s
95th percentile per-packet one-way delay: 32.082 ms
Loss rate: 4.44%
-- Flow 2:
Average throughput: 36.70 Mbit/s
95th percentile per-packet one-way delay: 32.043 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 31.973 ms
Loss rate: 1.55%

Run 1: Report of Vivace-loss — Data Link

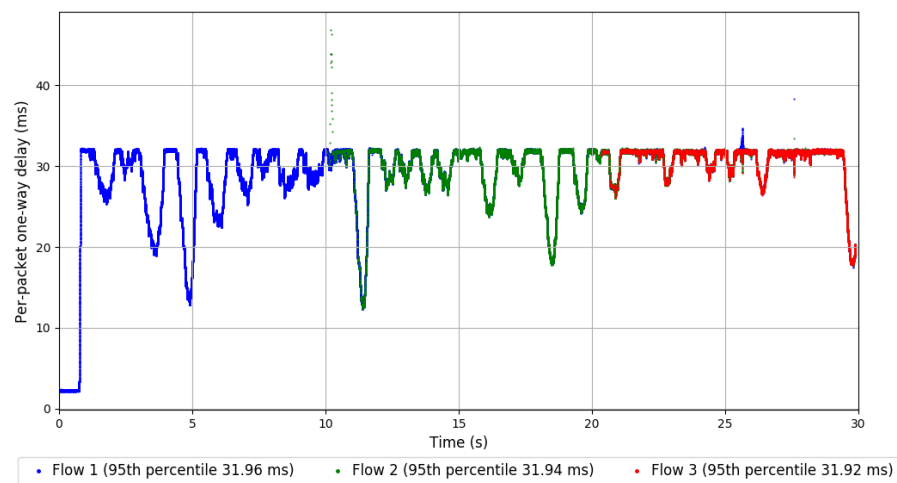
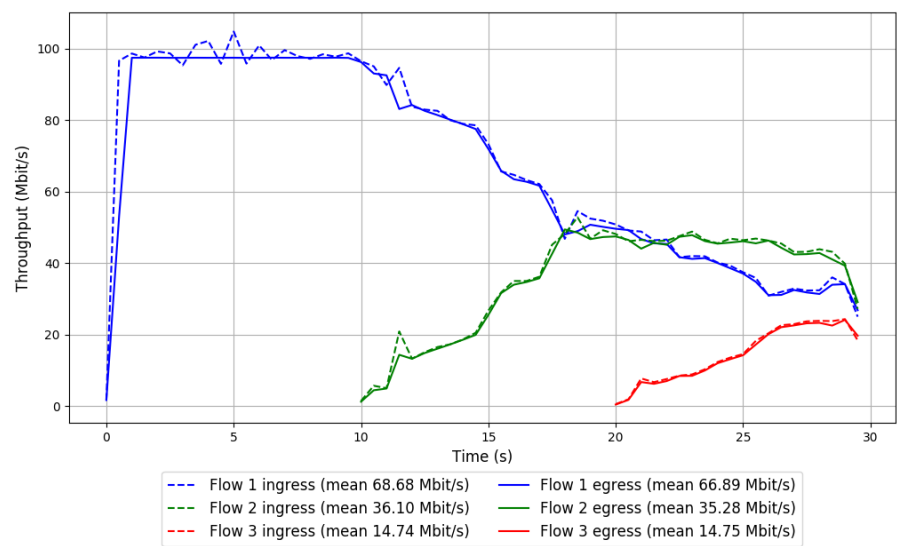


Run 2: Statistics of Vivace-loss

Start at: 2018-02-20 13:29:32
End at: 2018-02-20 13:30:02
Local clock offset: -14.537 ms
Remote clock offset: -12.354 ms

Below is generated by plot.py at 2018-02-20 17:26:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 31.955 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 66.89 Mbit/s
95th percentile per-packet one-way delay: 31.961 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 31.943 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 31.924 ms
Loss rate: 2.66%

Run 2: Report of Vivace-loss — Data Link

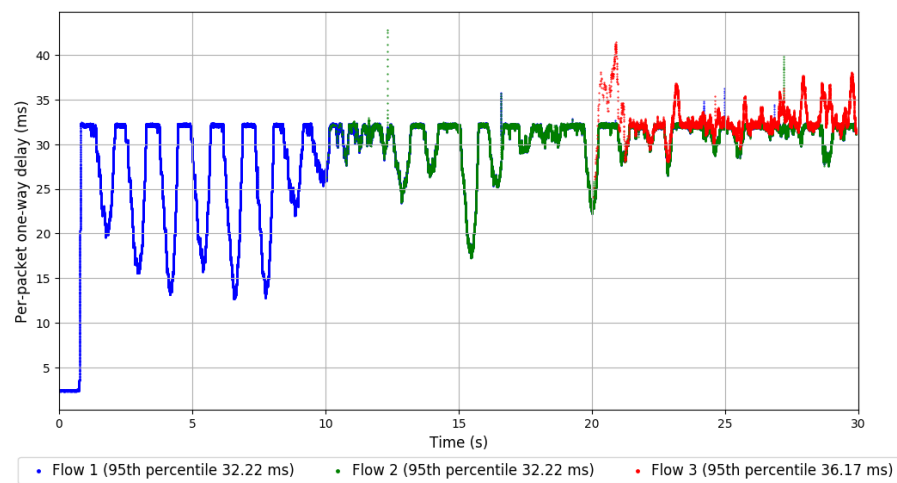
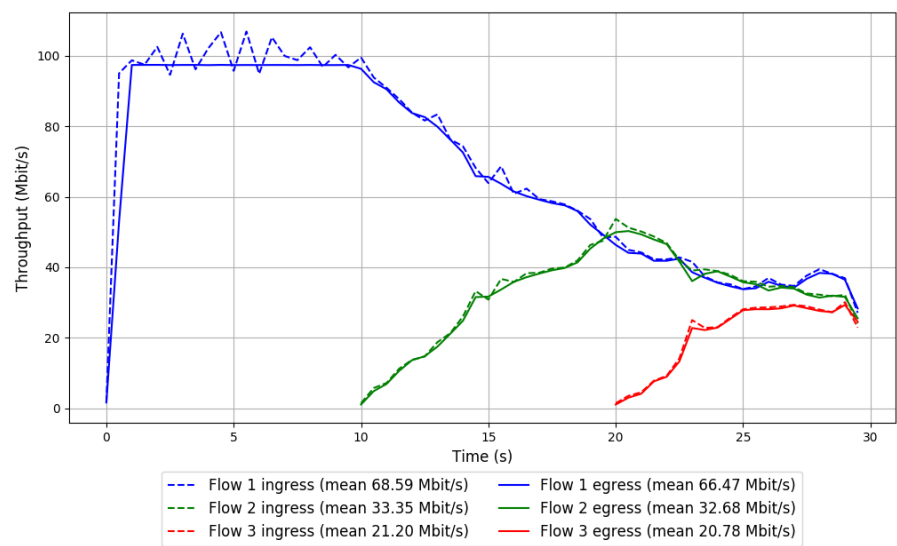


Run 3: Statistics of Vivace-loss

Start at: 2018-02-20 13:50:04
End at: 2018-02-20 13:50:34
Local clock offset: -14.64 ms
Remote clock offset: -12.696 ms

Below is generated by plot.py at 2018-02-20 17:26:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 32.283 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 66.47 Mbit/s
95th percentile per-packet one-way delay: 32.224 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 32.68 Mbit/s
95th percentile per-packet one-way delay: 32.221 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 36.166 ms
Loss rate: 1.92%

Run 3: Report of Vivace-loss — Data Link

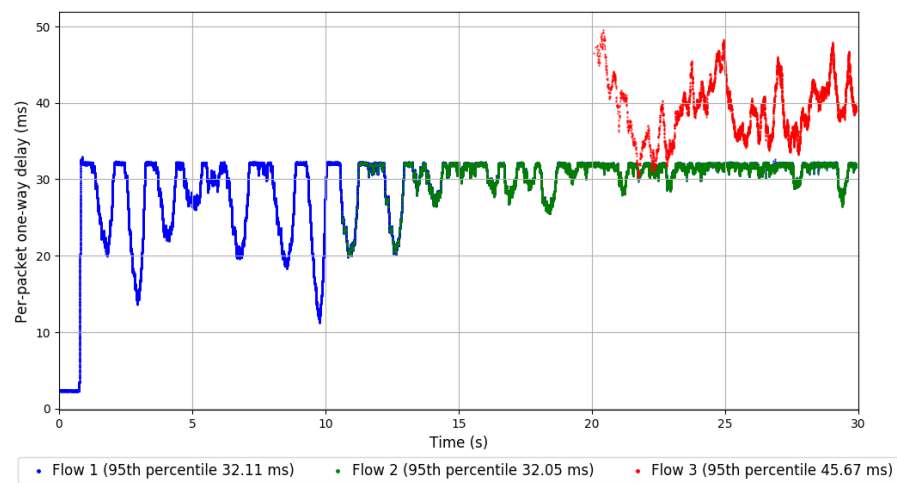
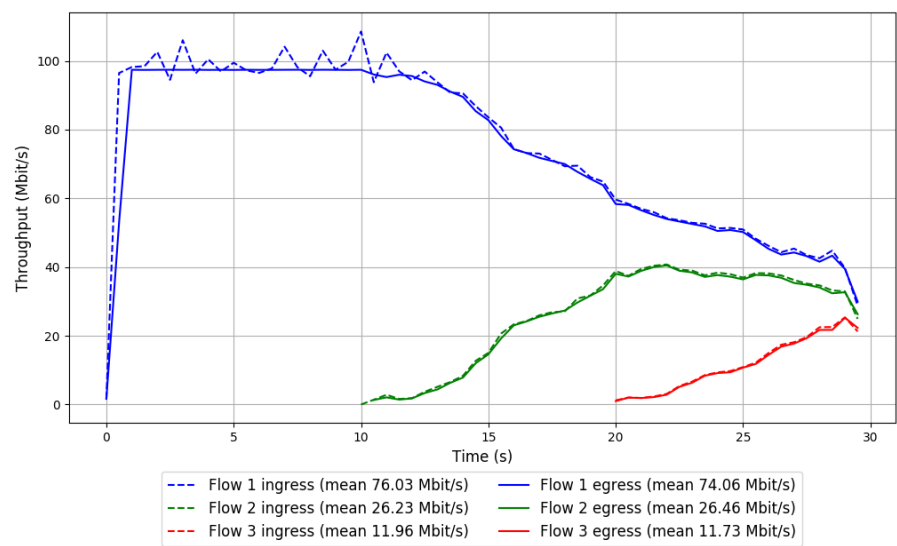


Run 4: Statistics of Vivace-loss

Start at: 2018-02-20 14:10:37
End at: 2018-02-20 14:11:07
Local clock offset: -12.804 ms
Remote clock offset: -12.755 ms

Below is generated by plot.py at 2018-02-20 17:27:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.183 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 74.06 Mbit/s
95th percentile per-packet one-way delay: 32.113 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 26.46 Mbit/s
95th percentile per-packet one-way delay: 32.047 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 45.670 ms
Loss rate: 2.13%

Run 4: Report of Vivace-loss — Data Link

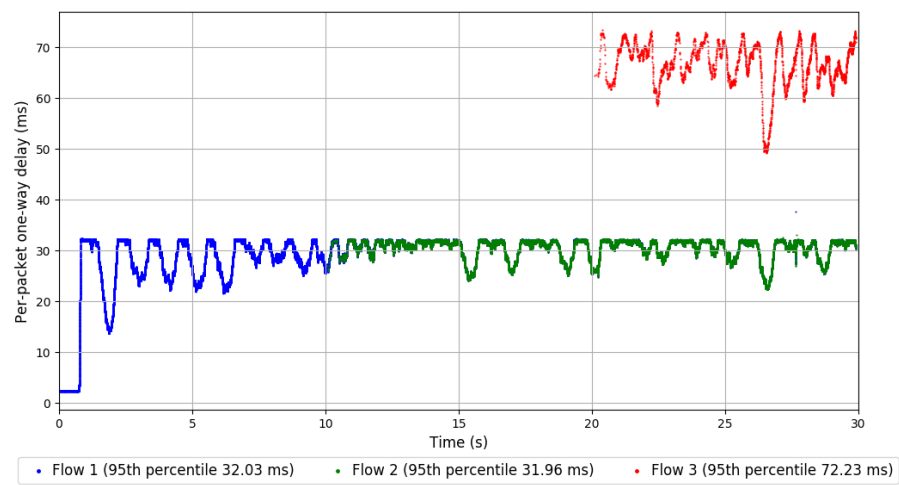
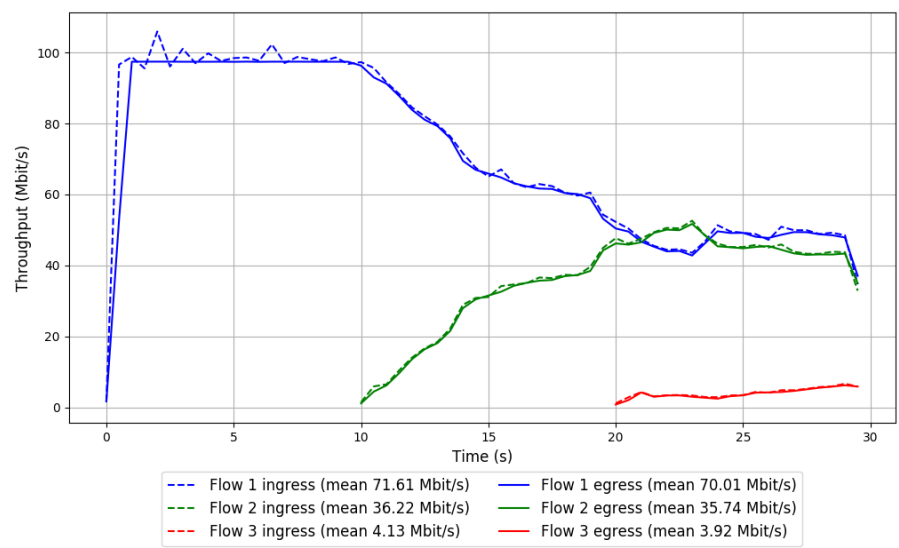


Run 5: Statistics of Vivace-loss

Start at: 2018-02-20 14:31:09
End at: 2018-02-20 14:31:39
Local clock offset: -14.823 ms
Remote clock offset: -12.649 ms

Below is generated by plot.py at 2018-02-20 17:27:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.040 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 70.01 Mbit/s
95th percentile per-packet one-way delay: 32.031 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 35.74 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 72.228 ms
Loss rate: 5.44%

Run 5: Report of Vivace-loss — Data Link

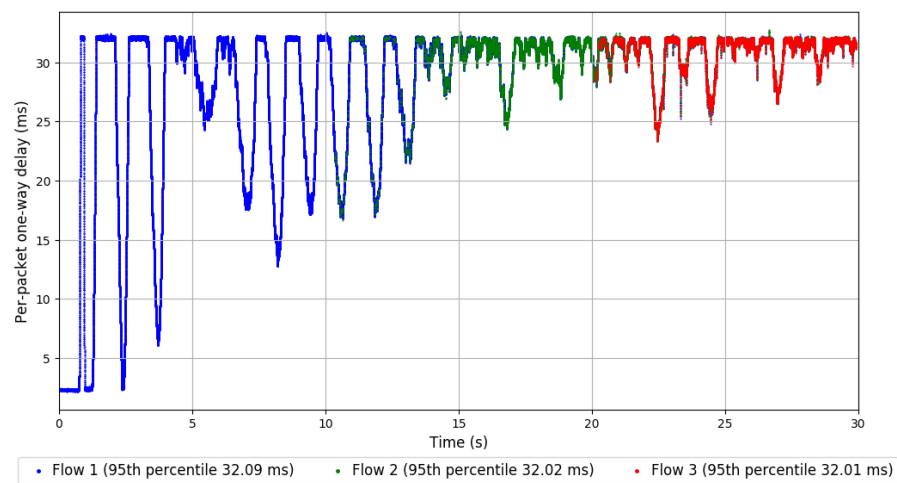
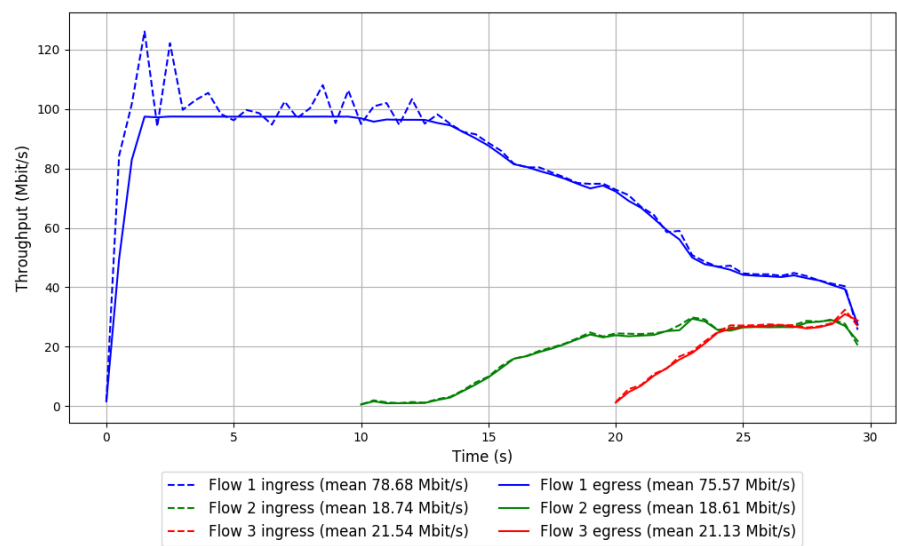


Run 6: Statistics of Vivace-loss

Start at: 2018-02-20 14:51:41
End at: 2018-02-20 14:52:11
Local clock offset: -16.536 ms
Remote clock offset: -12.765 ms

Below is generated by plot.py at 2018-02-20 17:27:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 32.081 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 75.57 Mbit/s
95th percentile per-packet one-way delay: 32.091 ms
Loss rate: 3.86%
-- Flow 2:
Average throughput: 18.61 Mbit/s
95th percentile per-packet one-way delay: 32.018 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 21.13 Mbit/s
95th percentile per-packet one-way delay: 32.009 ms
Loss rate: 1.86%

Run 6: Report of Vivace-loss — Data Link

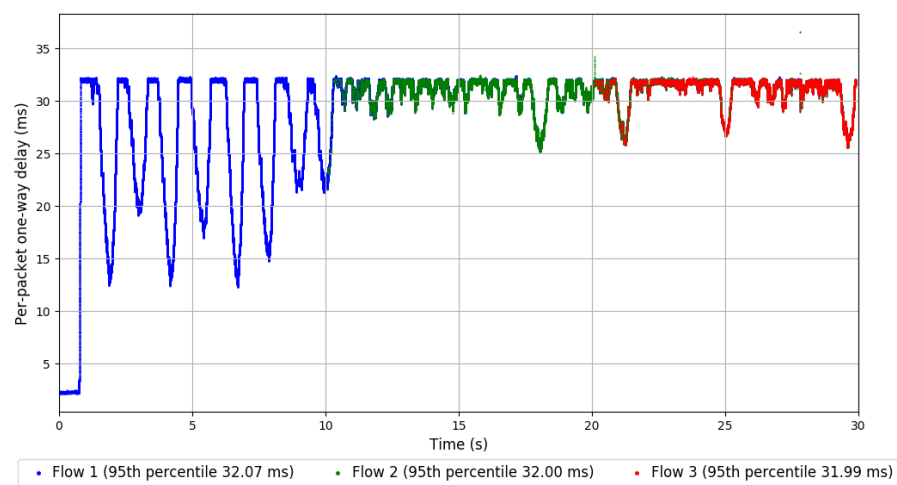
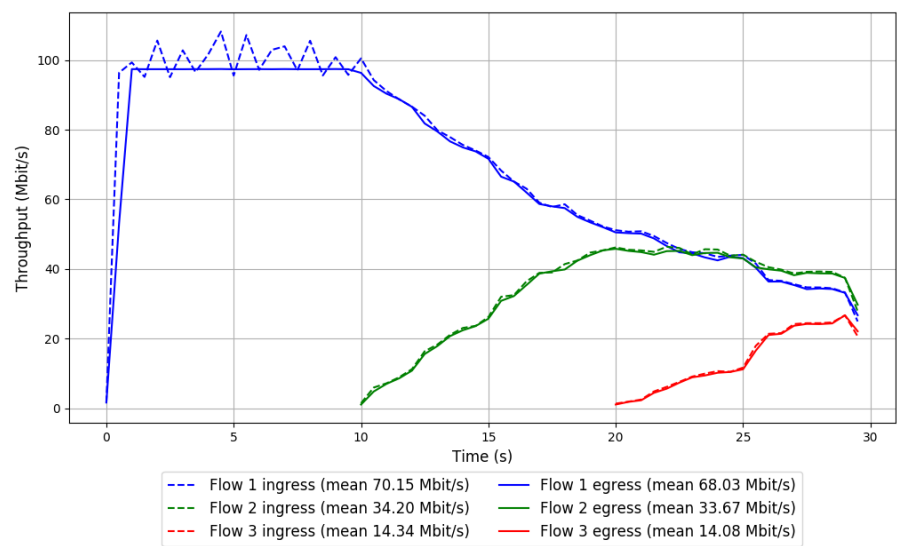


Run 7: Statistics of Vivace-loss

Start at: 2018-02-20 15:12:14
End at: 2018-02-20 15:12:44
Local clock offset: -17.155 ms
Remote clock offset: -12.943 ms

Below is generated by plot.py at 2018-02-20 17:27:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.059 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 68.03 Mbit/s
95th percentile per-packet one-way delay: 32.073 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 32.002 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 31.986 ms
Loss rate: 1.82%

Run 7: Report of Vivace-loss — Data Link

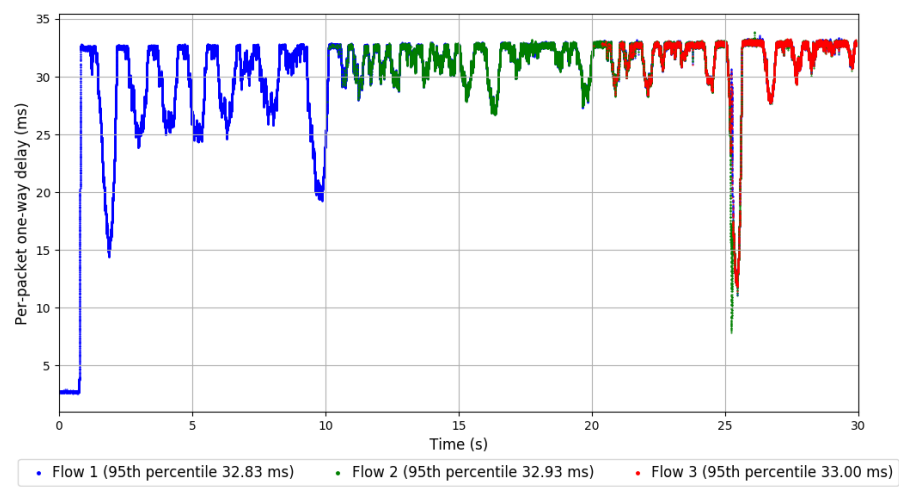
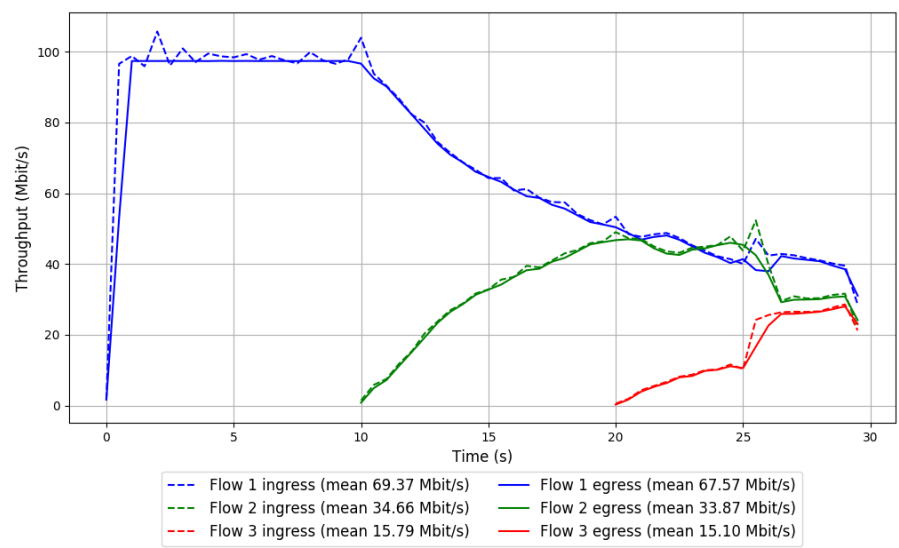


Run 8: Statistics of Vivace-loss

Start at: 2018-02-20 15:32:45
End at: 2018-02-20 15:33:15
Local clock offset: -14.911 ms
Remote clock offset: -13.205 ms

Below is generated by plot.py at 2018-02-20 17:27:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 32.884 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 32.826 ms
Loss rate: 2.50%
-- Flow 2:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 32.928 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 15.10 Mbit/s
95th percentile per-packet one-way delay: 32.998 ms
Loss rate: 4.38%

Run 8: Report of Vivace-loss — Data Link

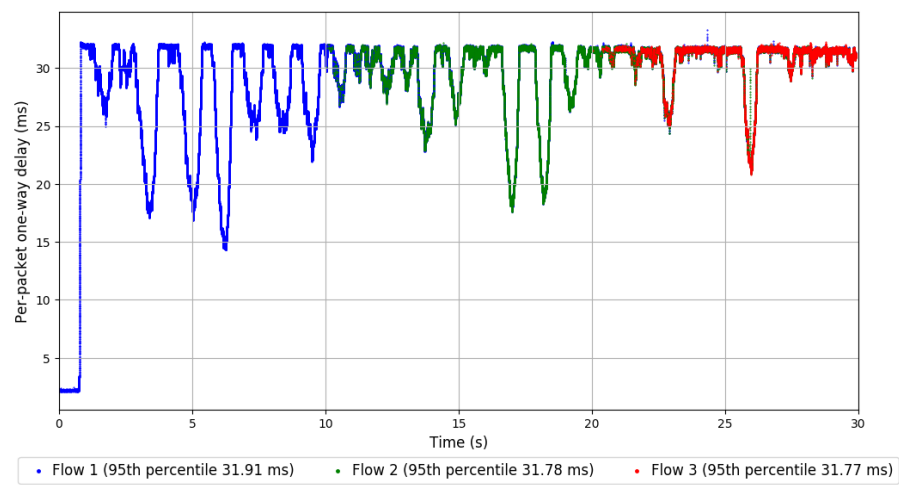
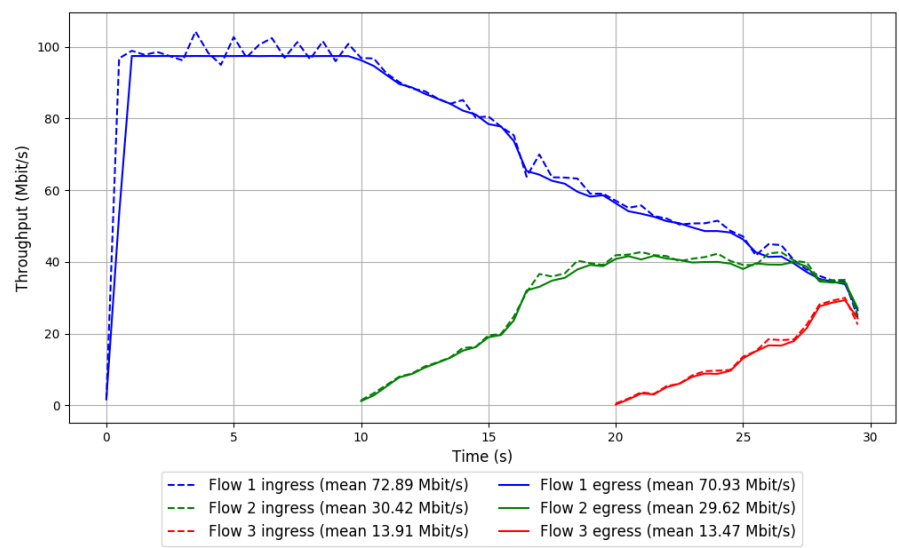


Run 9: Statistics of Vivace-loss

Start at: 2018-02-20 15:53:13
End at: 2018-02-20 15:53:43
Local clock offset: -2.694 ms
Remote clock offset: -11.207 ms

Below is generated by plot.py at 2018-02-20 17:27:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 31.892 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 31.915 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 31.780 ms
Loss rate: 2.62%
-- Flow 3:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 31.766 ms
Loss rate: 3.21%

Run 9: Report of Vivace-loss — Data Link

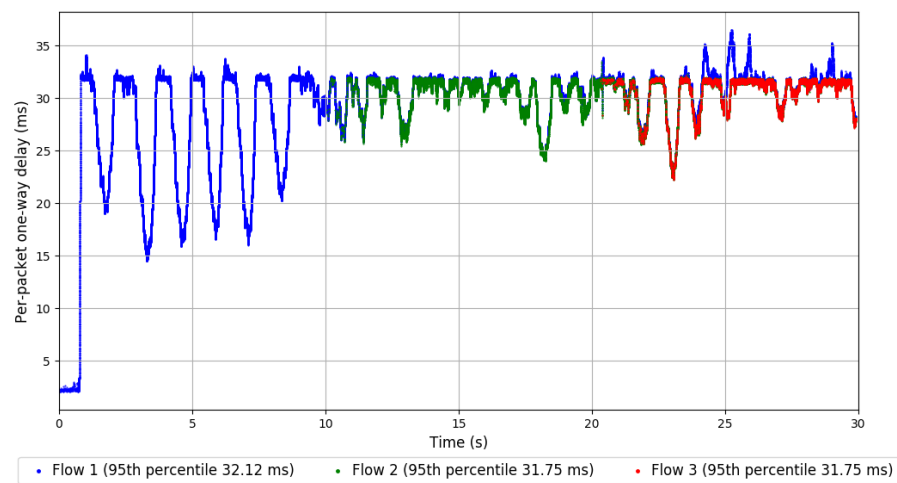
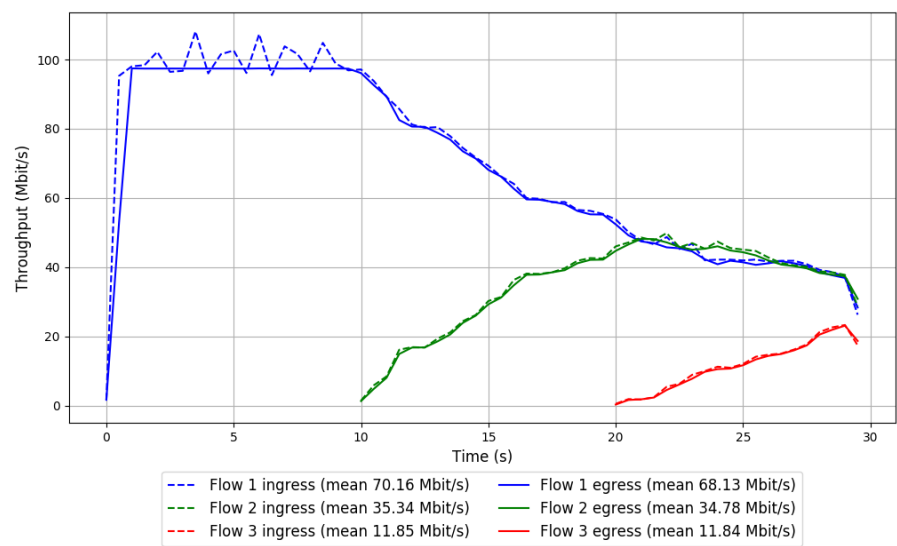


Run 10: Statistics of Vivace-loss

Start at: 2018-02-20 16:13:44
End at: 2018-02-20 16:14:14
Local clock offset: -2.125 ms
Remote clock offset: -3.395 ms

Below is generated by plot.py at 2018-02-20 17:28:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 32.017 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 32.125 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 31.754 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 31.745 ms
Loss rate: 2.69%

Run 10: Report of Vivace-loss — Data Link

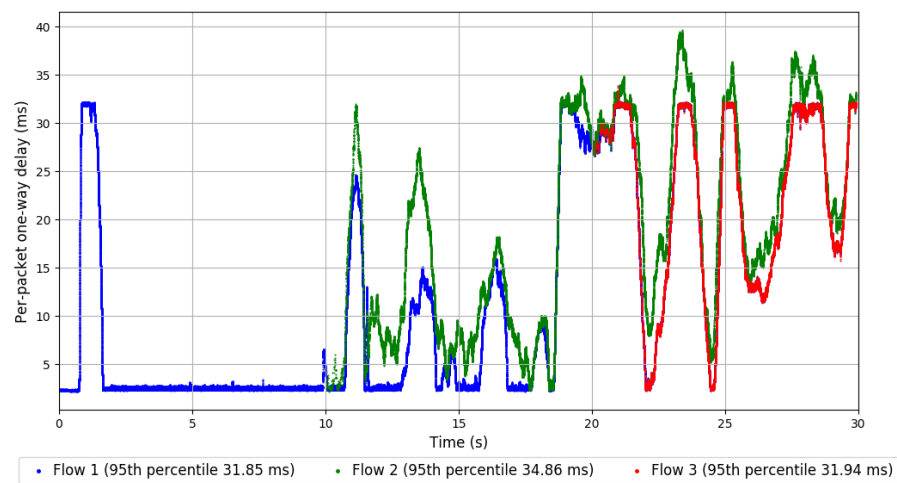
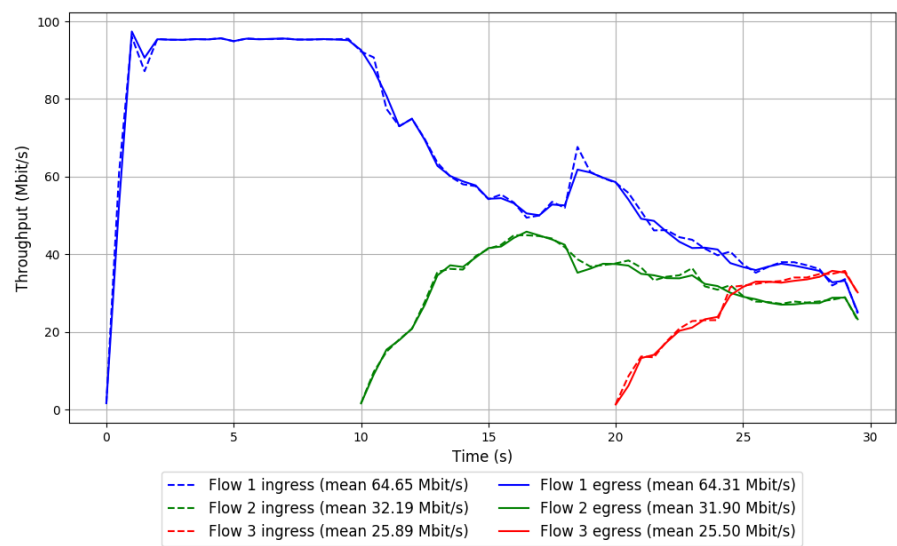


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-20 13:25:00
End at: 2018-02-20 13:25:31
Local clock offset: -14.318 ms
Remote clock offset: -12.293 ms

Below is generated by plot.py at 2018-02-20 17:28:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 32.013 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 64.31 Mbit/s
95th percentile per-packet one-way delay: 31.847 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 34.858 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 31.944 ms
Loss rate: 1.47%

Run 1: Report of Vivace-LTE — Data Link

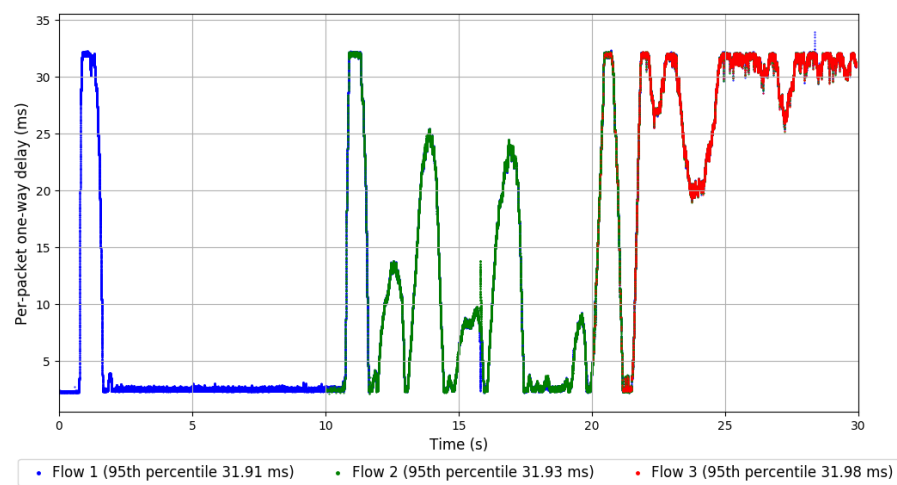
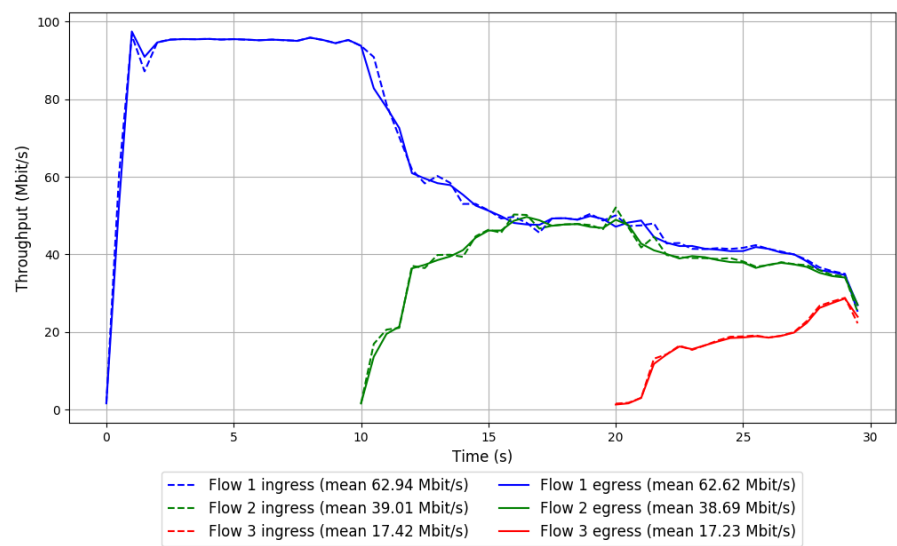


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-20 13:45:33
End at: 2018-02-20 13:46:03
Local clock offset: -15.002 ms
Remote clock offset: -12.684 ms

Below is generated by plot.py at 2018-02-20 17:28:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 31.928 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 62.62 Mbit/s
95th percentile per-packet one-way delay: 31.914 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 31.930 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 17.23 Mbit/s
95th percentile per-packet one-way delay: 31.976 ms
Loss rate: 0.85%

Run 2: Report of Vivace-LTE — Data Link

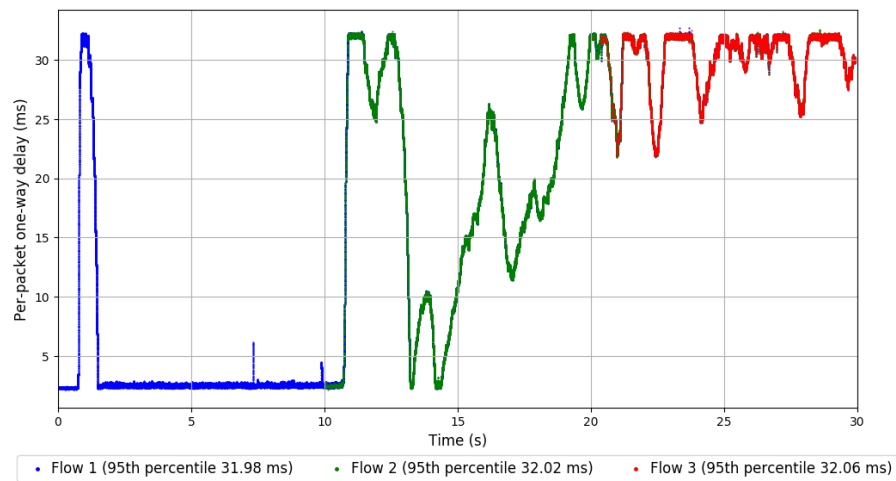
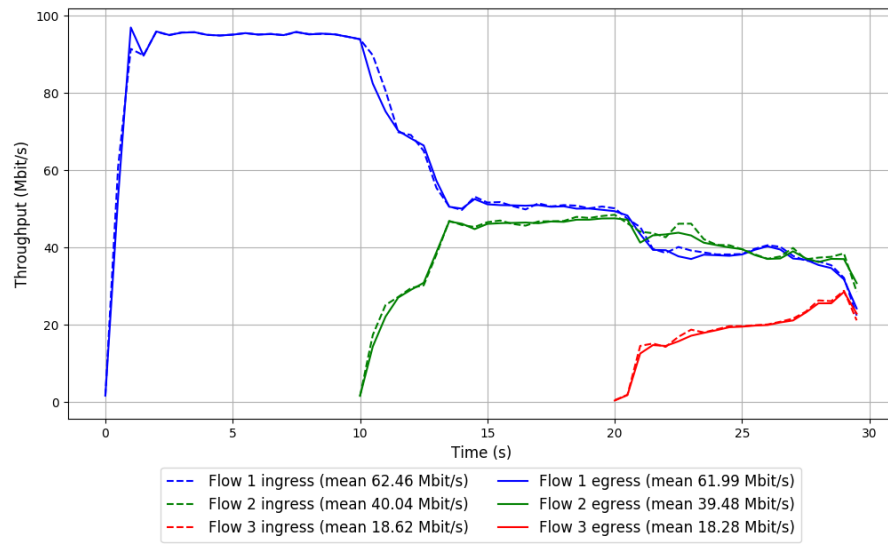


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-20 14:06:05
End at: 2018-02-20 14:06:35
Local clock offset: -12.967 ms
Remote clock offset: -12.812 ms

Below is generated by plot.py at 2018-02-20 17:28:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 32.005 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 31.979 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 32.021 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 1.87%

Run 3: Report of Vivace-LTE — Data Link

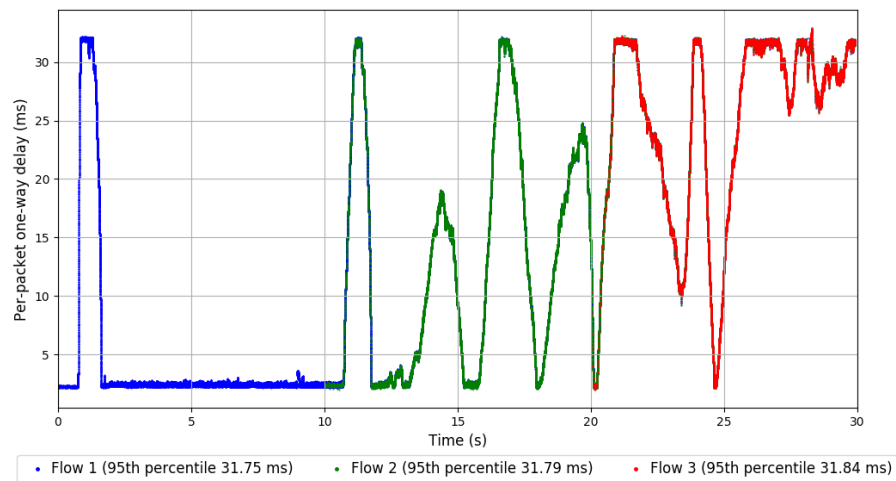
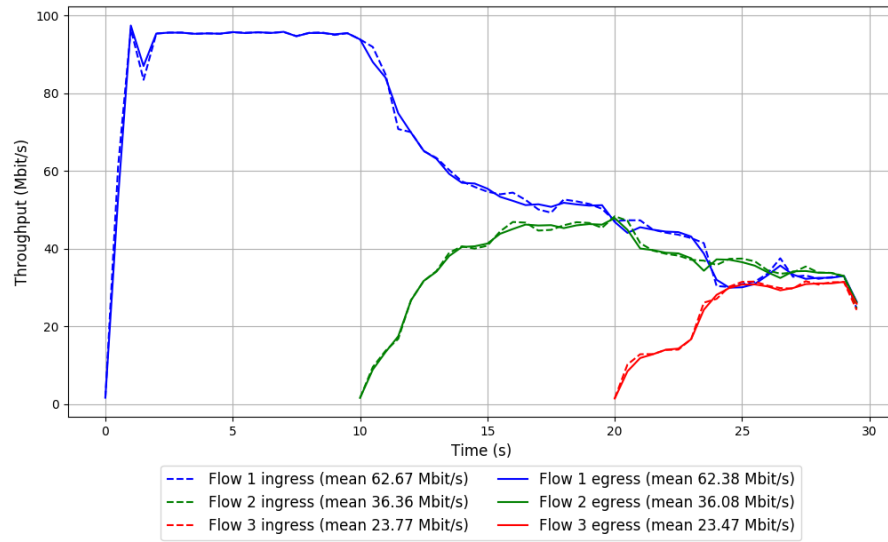


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-20 14:26:38
End at: 2018-02-20 14:27:08
Local clock offset: -13.834 ms
Remote clock offset: -12.631 ms

Below is generated by plot.py at 2018-02-20 17:28:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 31.780 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 62.38 Mbit/s
95th percentile per-packet one-way delay: 31.753 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 31.788 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 23.47 Mbit/s
95th percentile per-packet one-way delay: 31.839 ms
Loss rate: 1.04%

Run 4: Report of Vivace-LTE — Data Link

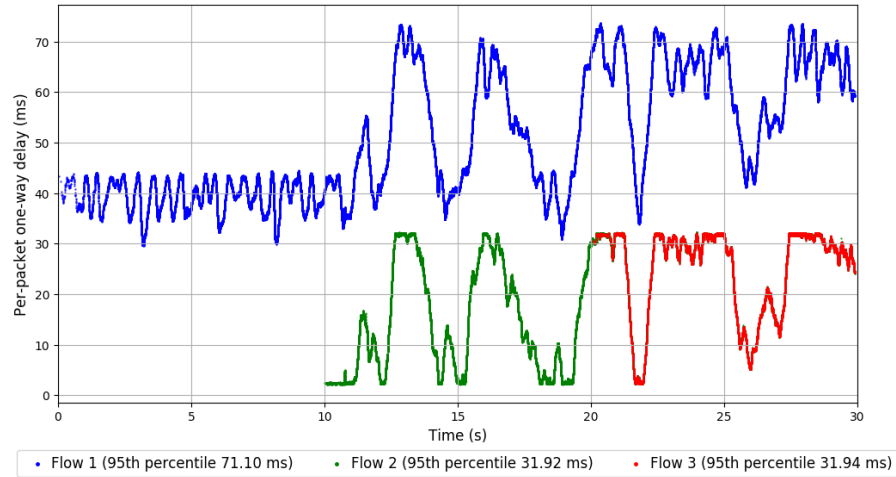
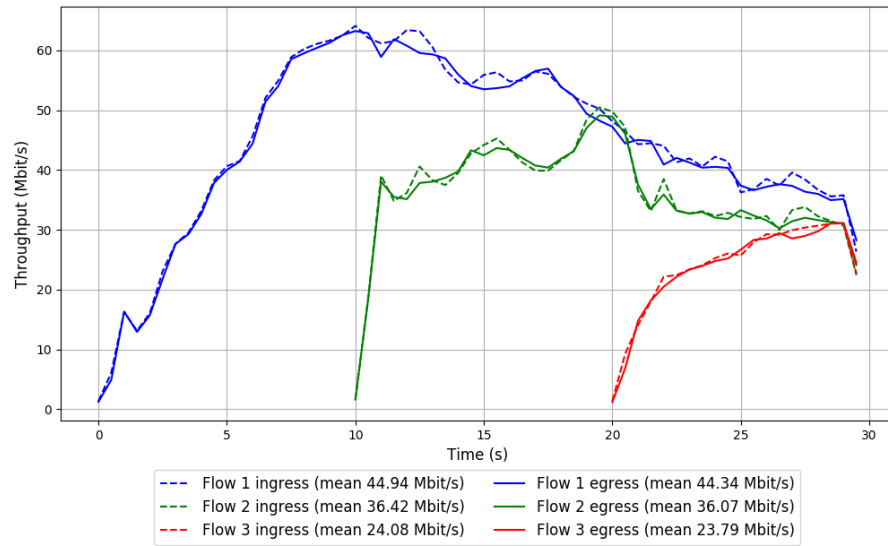


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-20 14:47:10
End at: 2018-02-20 14:47:41
Local clock offset: -16.233 ms
Remote clock offset: -12.673 ms

Below is generated by plot.py at 2018-02-20 17:28:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 69.245 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 71.102 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 31.917 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 23.79 Mbit/s
95th percentile per-packet one-way delay: 31.942 ms
Loss rate: 1.27%

Run 5: Report of Vivace-LTE — Data Link

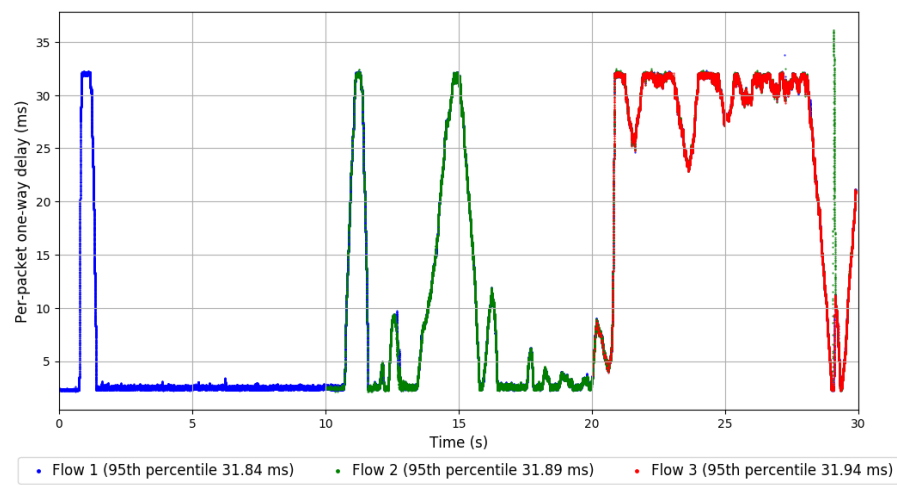
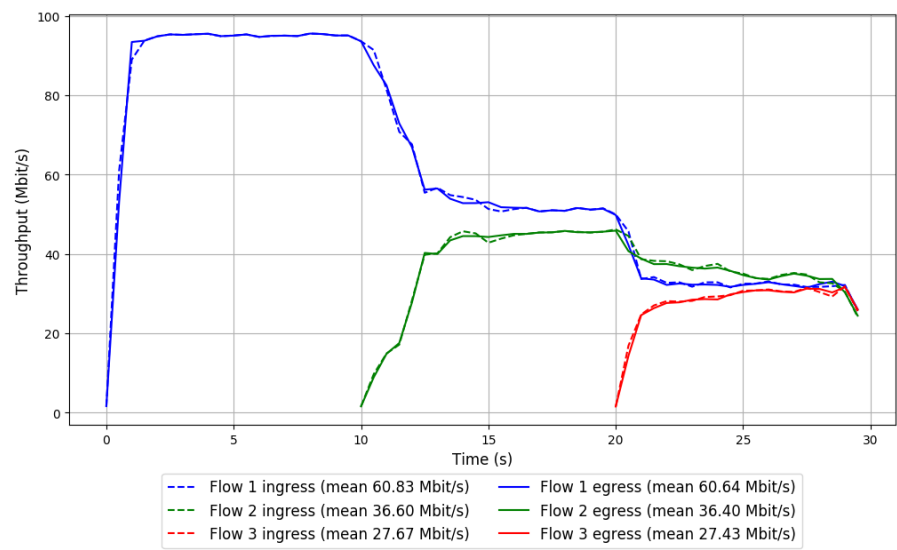


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-20 15:07:42
End at: 2018-02-20 15:08:12
Local clock offset: -17.014 ms
Remote clock offset: -12.856 ms

Below is generated by plot.py at 2018-02-20 17:28:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 31.880 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 60.64 Mbit/s
95th percentile per-packet one-way delay: 31.836 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 31.895 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 31.939 ms
Loss rate: 0.71%

Run 6: Report of Vivace-LTE — Data Link

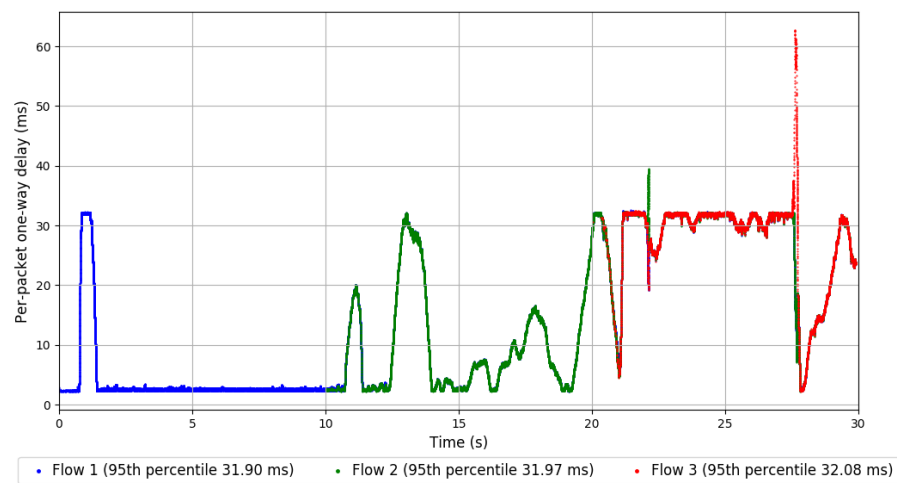
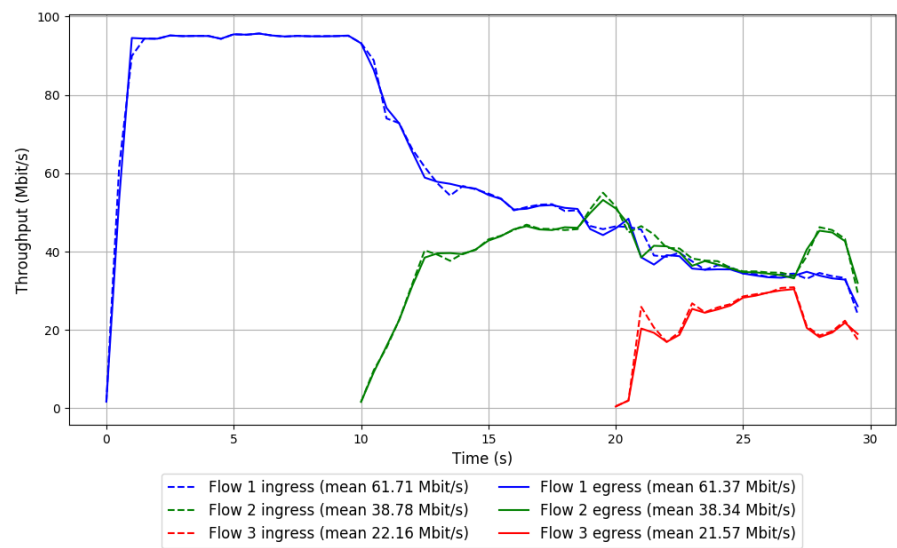


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-20 15:28:13
End at: 2018-02-20 15:28:43
Local clock offset: -17.647 ms
Remote clock offset: -13.156 ms

Below is generated by plot.py at 2018-02-20 17:29:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 31.957 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 61.37 Mbit/s
95th percentile per-packet one-way delay: 31.904 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 31.969 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 32.077 ms
Loss rate: 2.77%

Run 7: Report of Vivace-LTE — Data Link

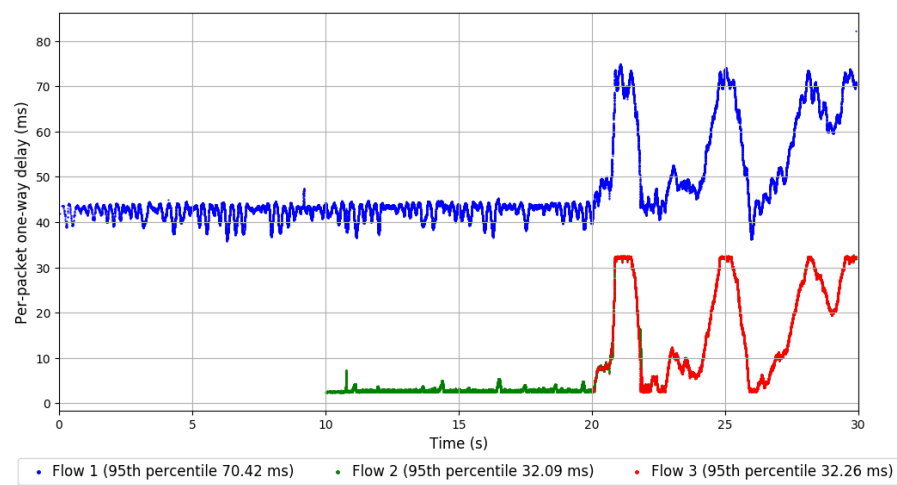
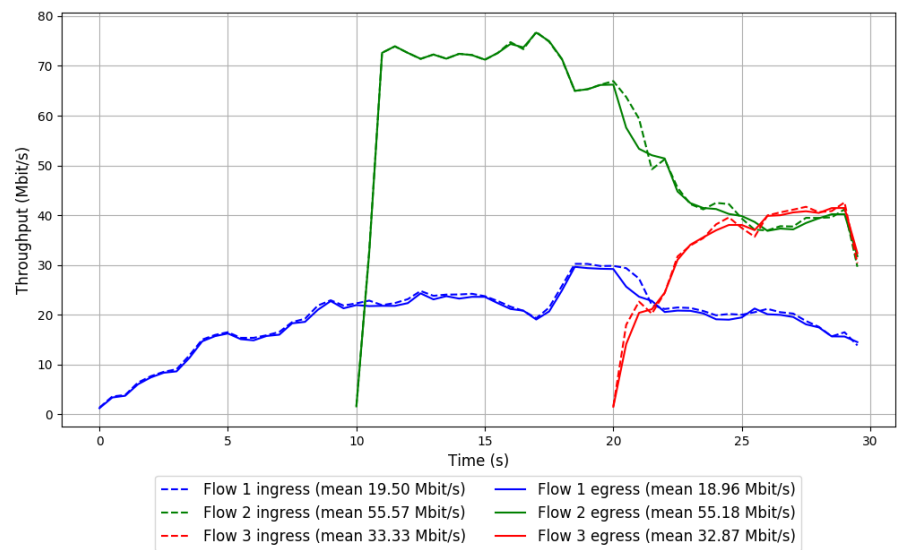


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-20 15:48:44
End at: 2018-02-20 15:49:14
Local clock offset: -4.126 ms
Remote clock offset: -13.401 ms

Below is generated by plot.py at 2018-02-20 17:29:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 51.876 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 18.96 Mbit/s
95th percentile per-packet one-way delay: 70.424 ms
Loss rate: 2.77%
-- Flow 2:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 32.094 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 32.262 ms
Loss rate: 1.09%

Run 8: Report of Vivace-LTE — Data Link

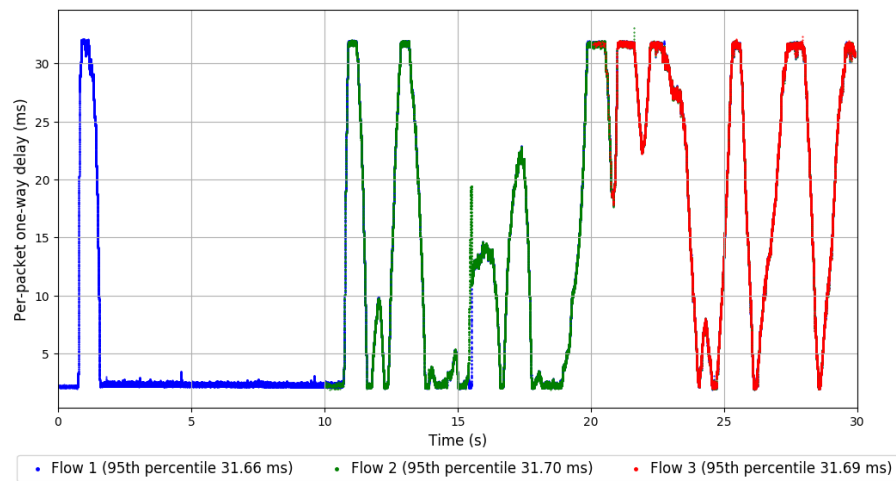
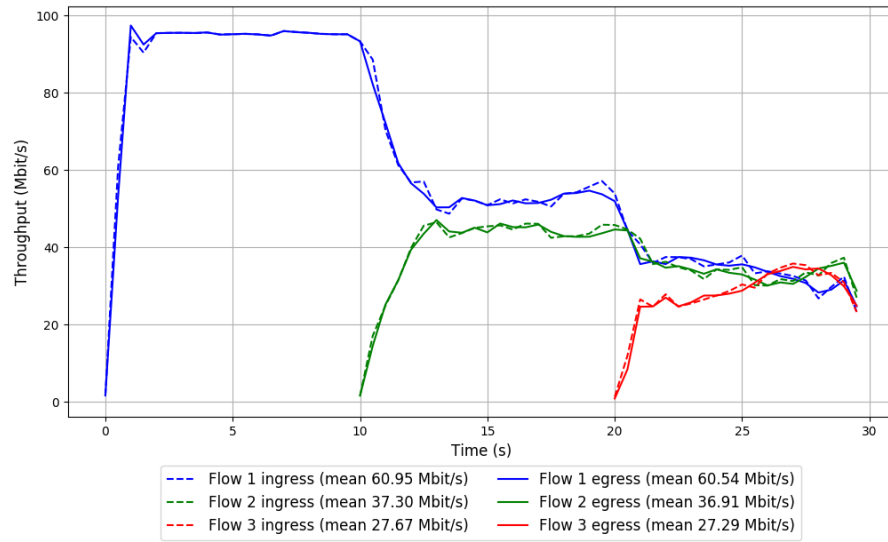


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-20 16:09:13
End at: 2018-02-20 16:09:43
Local clock offset: -1.338 ms
Remote clock offset: -4.287 ms

Below is generated by plot.py at 2018-02-20 17:29:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 31.676 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 31.657 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 31.695 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 31.690 ms
Loss rate: 1.38%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-20 16:29:46

End at: 2018-02-20 16:30:16

Local clock offset: -1.892 ms

Remote clock offset: 5.042 ms

Below is generated by plot.py at 2018-02-20 17:29:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 31.406 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 62.47 Mbit/s

95th percentile per-packet one-way delay: 31.388 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 37.40 Mbit/s

95th percentile per-packet one-way delay: 31.400 ms

Loss rate: 0.41%

-- Flow 3:

Average throughput: 19.88 Mbit/s

95th percentile per-packet one-way delay: 31.466 ms

Loss rate: 0.73%

Run 10: Report of Vivace-LTE — Data Link

