

Pantheon Report

Generated at 2018-02-05 03:02:16 (UTC).

Data path: AWS California 2 Ethernet (*local*) → Mexico 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).

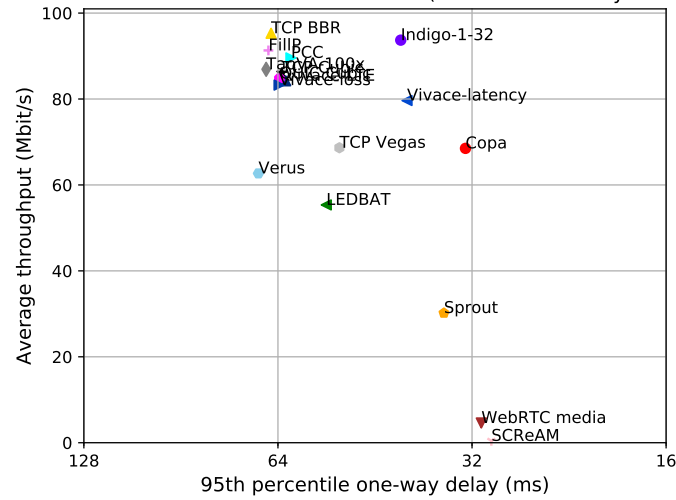
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

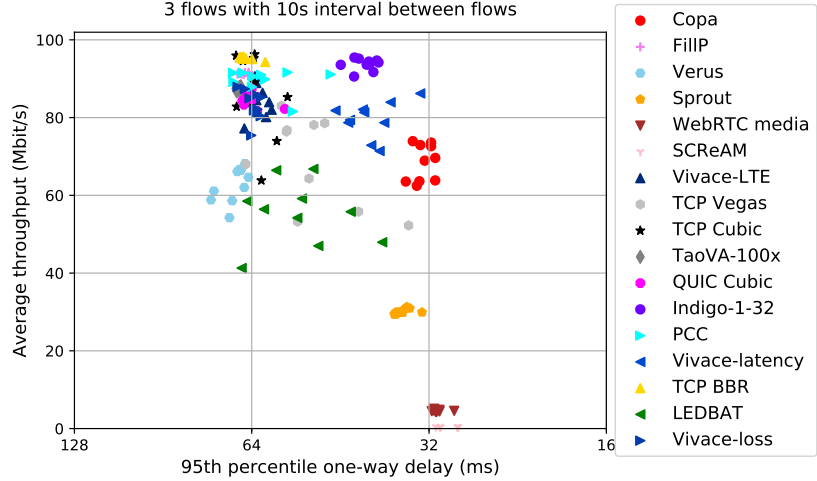
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



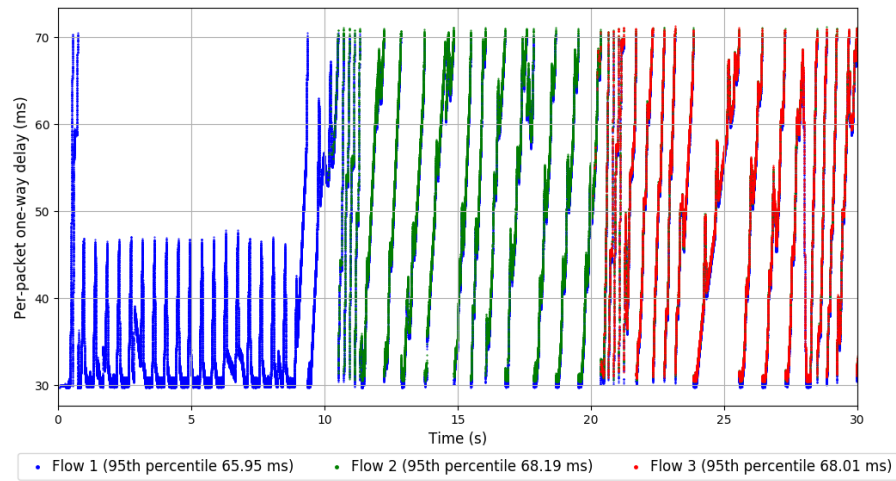
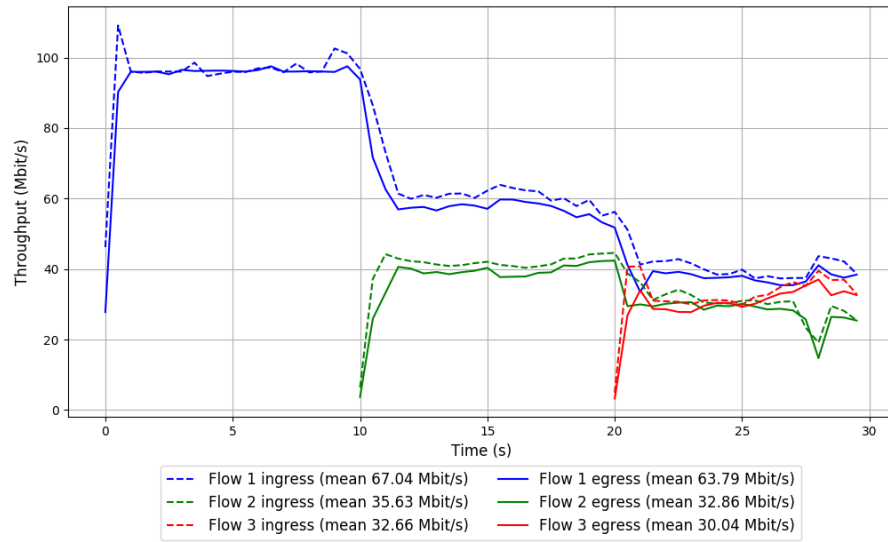
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	61.00	36.73	29.69	64.25	66.66	67.10	4.66	7.65	7.45
TCP Cubic	10	51.01	34.90	35.66	62.72	59.66	61.16	0.69	0.59	0.96
LEDBAT	10	31.87	25.68	19.29	51.72	54.52	54.75	0.18	0.20	0.24
PCC	10	80.50	8.50	10.39	60.51	63.09	63.51	4.30	5.51	7.23
QUIC Cubic	10	55.17	31.60	26.17	62.50	64.09	62.91	1.49	1.53	0.96
SCReAM	10	0.22	0.22	0.22	29.54	29.61	29.73	0.06	0.08	0.03
WebRTC media	10	2.42	1.55	0.65	30.94	30.66	30.74	0.04	0.04	0.08
Sprout	10	15.37	14.98	14.70	34.71	35.76	35.93	0.06	0.07	0.10
TaoVA-100x	10	51.89	38.85	28.83	65.08	66.92	67.26	14.70	25.54	18.26
TCP Vegas	10	37.66	31.51	30.18	50.25	48.19	42.50	0.85	0.69	0.69
Verus	10	40.73	25.39	17.30	69.44	66.49	64.21	49.78	36.28	31.35
Copa	10	35.49	35.26	28.72	31.98	33.19	33.62	0.16	0.18	0.22
FillP	10	54.23	37.43	36.90	64.46	67.30	67.59	13.42	24.25	25.49
Indigo-1-32	10	61.90	31.51	33.39	39.53	41.99	47.09	0.14	0.12	0.29
Vivace-latency	10	60.35	22.43	13.31	40.10	41.40	41.15	0.22	0.23	0.21
Vivace-loss	10	56.59	29.83	20.84	63.60	63.35	63.49	5.70	6.48	6.85
Vivace-LTE	10	61.87	23.00	21.46	61.47	61.18	63.22	1.92	2.09	2.66

Run 1: Statistics of TCP BBR

Start at: 2018-02-04 22:03:44
End at: 2018-02-04 22:04:14
Local clock offset: -0.084 ms
Remote clock offset: -6.508 ms

Below is generated by plot.py at 2018-02-05 02:36:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 67.005 ms
Loss rate: 5.90%
-- Flow 1:
Average throughput: 63.79 Mbit/s
95th percentile per-packet one-way delay: 65.955 ms
Loss rate: 4.84%
-- Flow 2:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 68.189 ms
Loss rate: 7.85%
-- Flow 3:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 68.009 ms
Loss rate: 8.20%

Run 1: Report of TCP BBR — Data Link

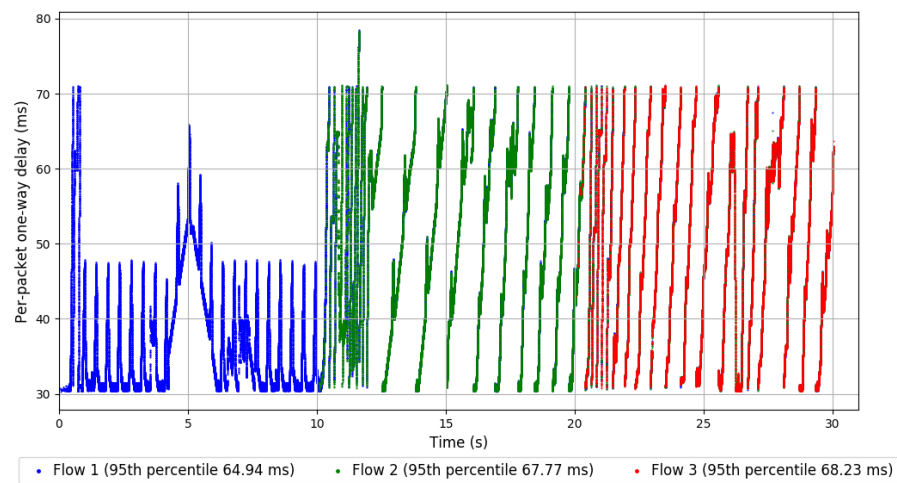
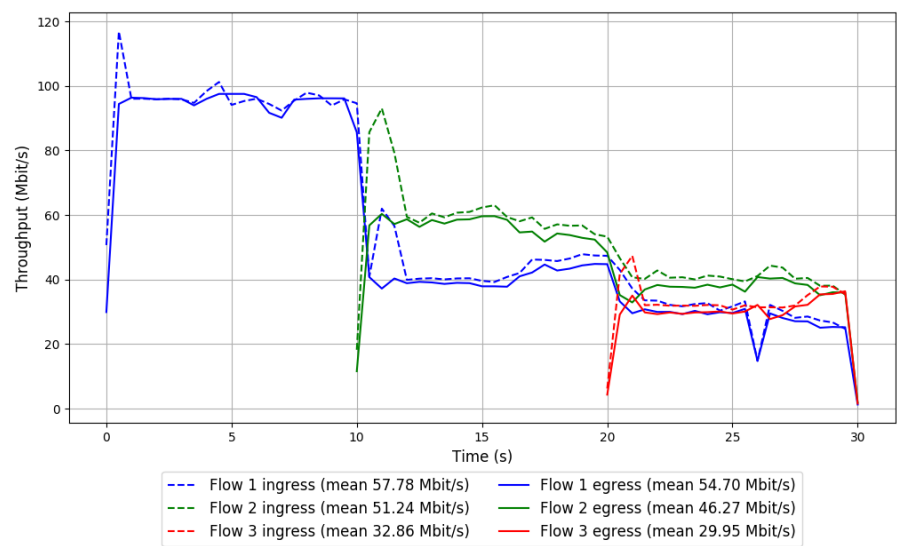


Run 2: Statistics of TCP BBR

Start at: 2018-02-04 22:29:11
End at: 2018-02-04 22:29:41
Local clock offset: -0.283 ms
Remote clock offset: -7.106 ms

Below is generated by plot.py at 2018-02-05 02:36:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 66.504 ms
Loss rate: 7.04%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 64.939 ms
Loss rate: 5.24%
-- Flow 2:
Average throughput: 46.27 Mbit/s
95th percentile per-packet one-way delay: 67.774 ms
Loss rate: 9.57%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 68.234 ms
Loss rate: 8.67%

Run 2: Report of TCP BBR — Data Link

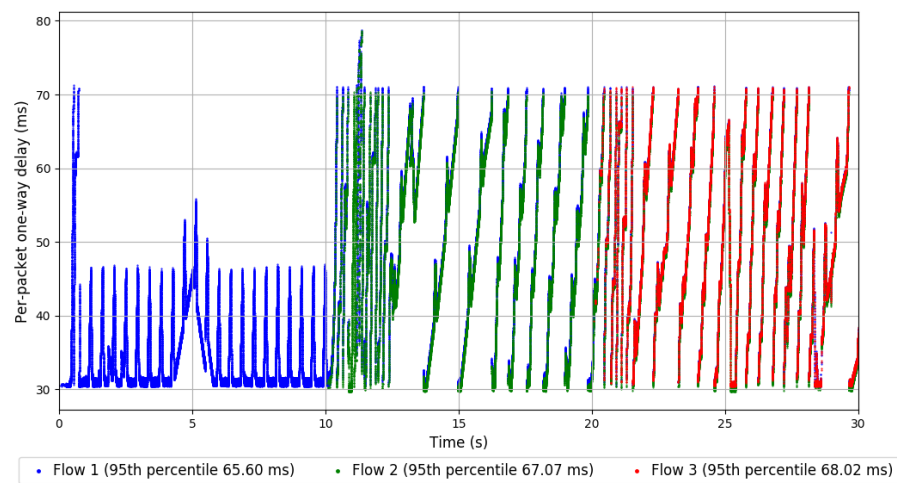
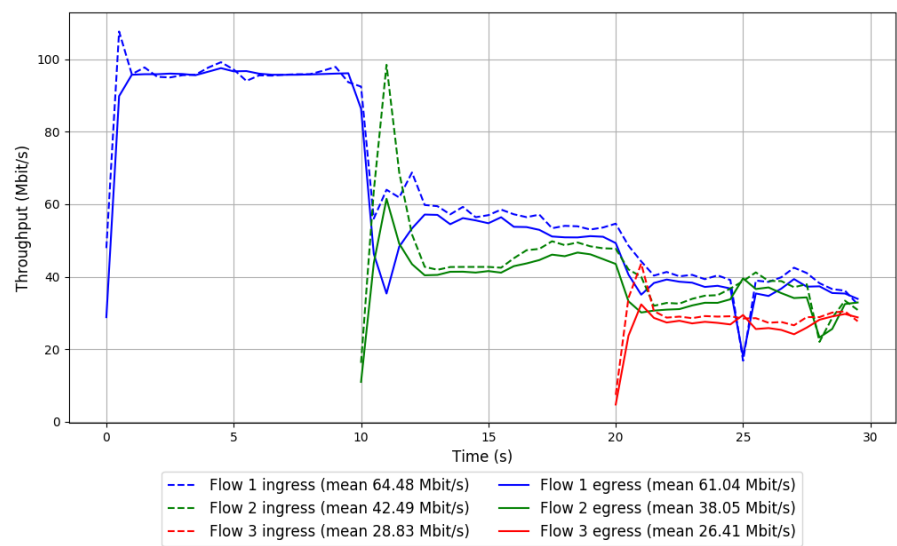


Run 3: Statistics of TCP BBR

Start at: 2018-02-04 22:55:13
End at: 2018-02-04 22:55:43
Local clock offset: -0.278 ms
Remote clock offset: -8.103 ms

Below is generated by plot.py at 2018-02-05 02:36:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 66.325 ms
Loss rate: 7.01%
-- Flow 1:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 65.596 ms
Loss rate: 5.31%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 67.067 ms
Loss rate: 10.42%
-- Flow 3:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 68.020 ms
Loss rate: 8.40%

Run 3: Report of TCP BBR — Data Link

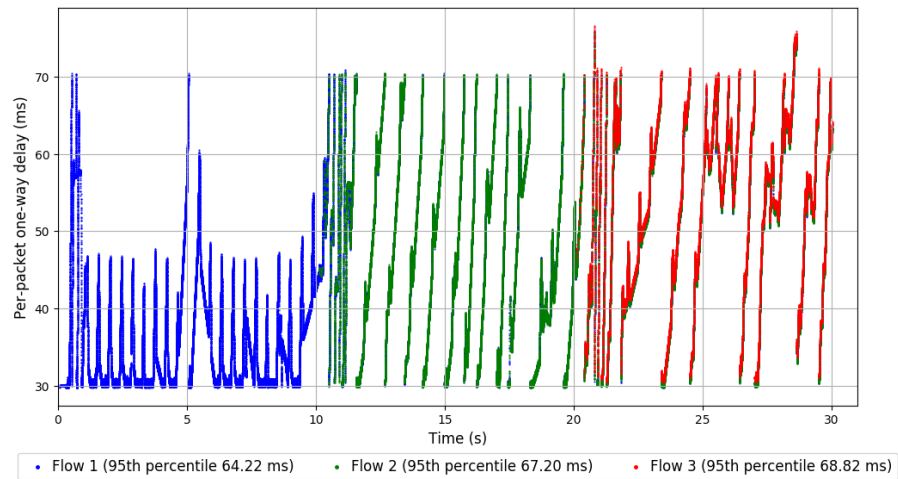
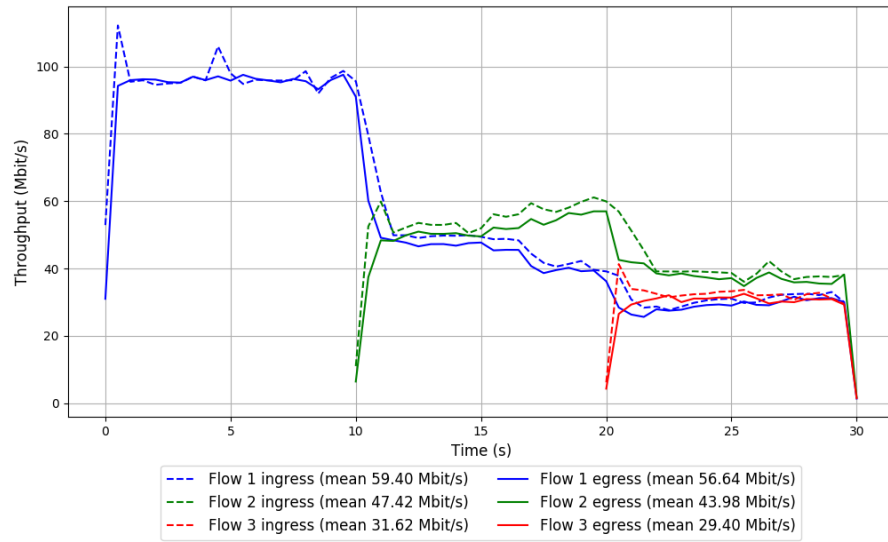


Run 4: Statistics of TCP BBR

Start at: 2018-02-04 23:21:32
End at: 2018-02-04 23:22:02
Local clock offset: -0.079 ms
Remote clock offset: -9.137 ms

Below is generated by plot.py at 2018-02-05 02:36:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 66.090 ms
Loss rate: 5.60%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 64.224 ms
Loss rate: 4.55%
-- Flow 2:
Average throughput: 43.98 Mbit/s
95th percentile per-packet one-way delay: 67.201 ms
Loss rate: 7.16%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 68.818 ms
Loss rate: 6.87%

Run 4: Report of TCP BBR — Data Link

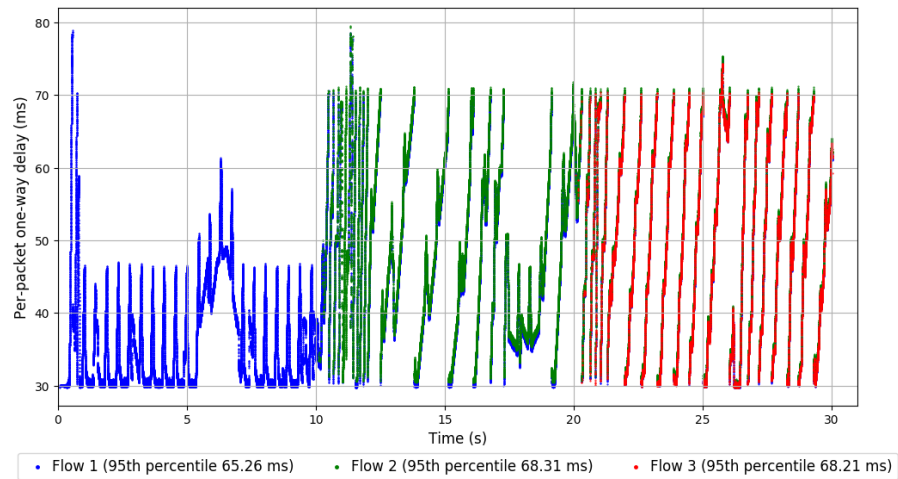
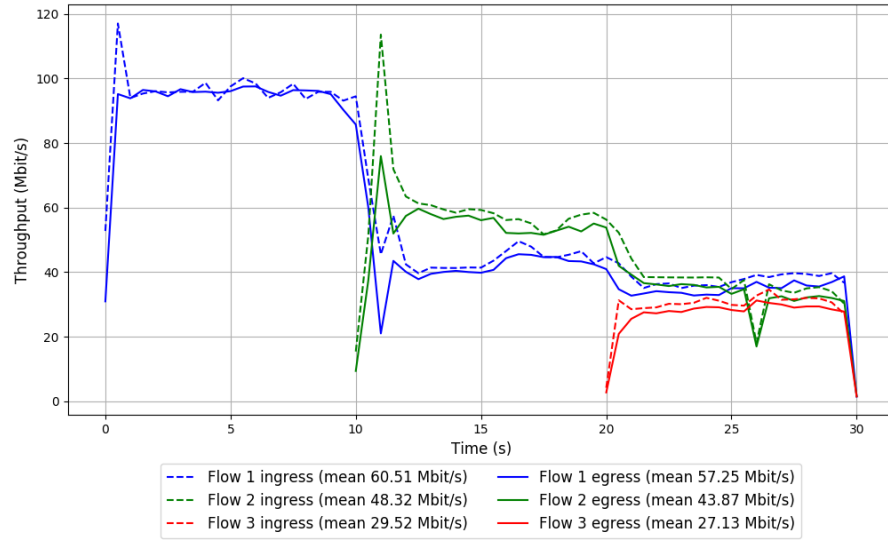


Run 5: Statistics of TCP BBR

Start at: 2018-02-04 23:48:03
End at: 2018-02-04 23:48:33
Local clock offset: 0.346 ms
Remote clock offset: -8.356 ms

Below is generated by plot.py at 2018-02-05 02:36:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 67.083 ms
Loss rate: 6.76%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 65.262 ms
Loss rate: 5.29%
-- Flow 2:
Average throughput: 43.87 Mbit/s
95th percentile per-packet one-way delay: 68.306 ms
Loss rate: 9.11%
-- Flow 3:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 68.207 ms
Loss rate: 8.09%

Run 5: Report of TCP BBR — Data Link

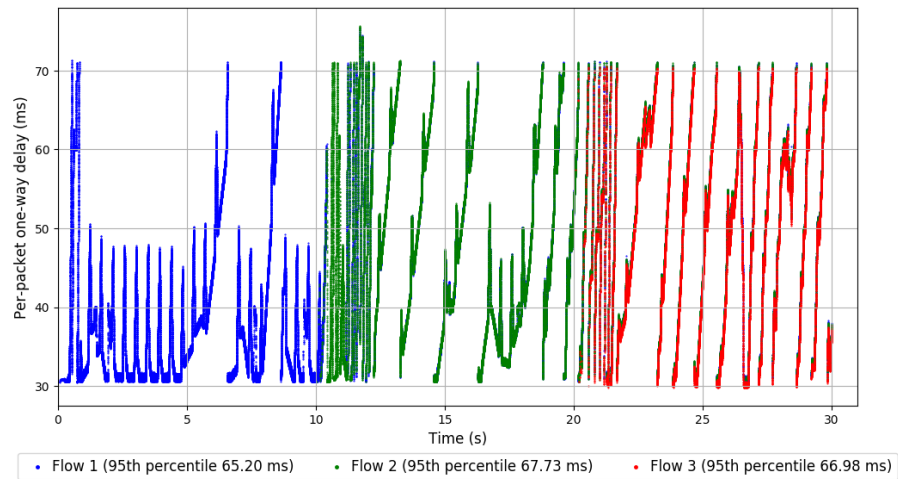
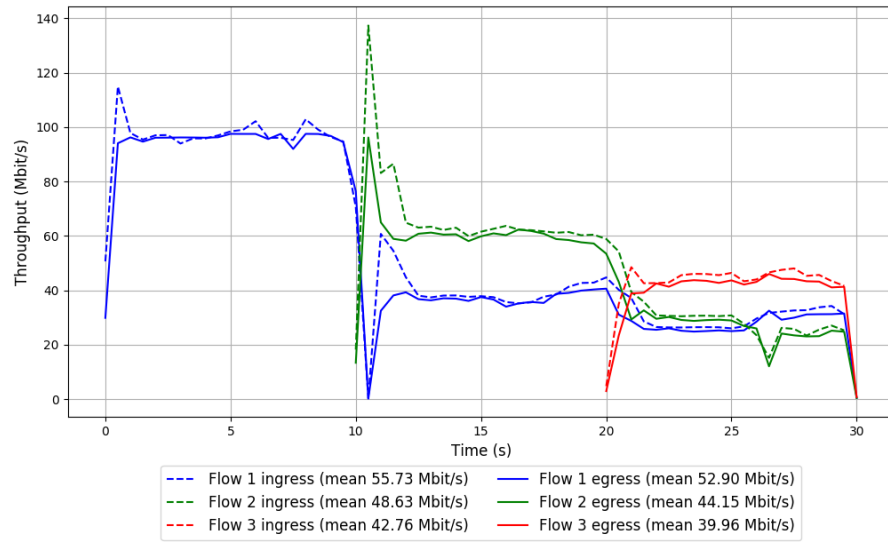


Run 6: Statistics of TCP BBR

Start at: 2018-02-05 00:14:07
End at: 2018-02-05 00:14:37
Local clock offset: 0.577 ms
Remote clock offset: -7.037 ms

Below is generated by plot.py at 2018-02-05 02:36:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 66.608 ms
Loss rate: 6.59%
-- Flow 1:
Average throughput: 52.90 Mbit/s
95th percentile per-packet one-way delay: 65.196 ms
Loss rate: 5.05%
-- Flow 2:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 67.733 ms
Loss rate: 9.17%
-- Flow 3:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 66.982 ms
Loss rate: 6.73%

Run 6: Report of TCP BBR — Data Link

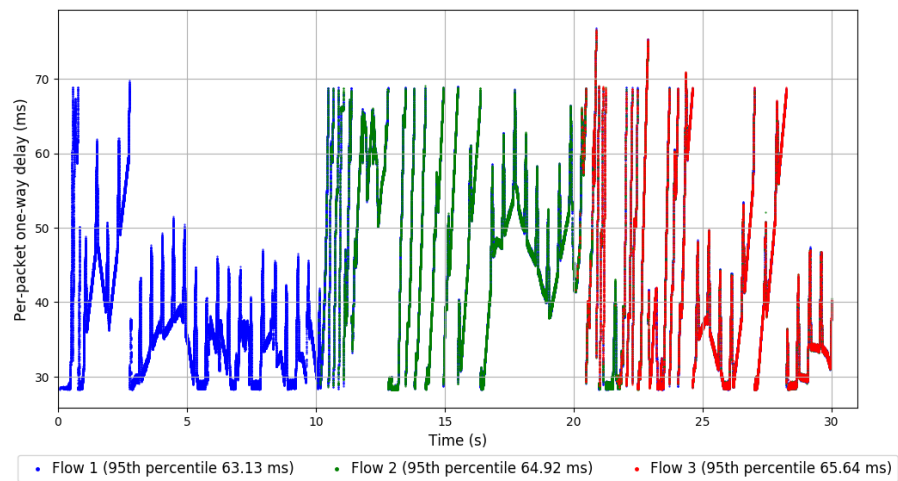
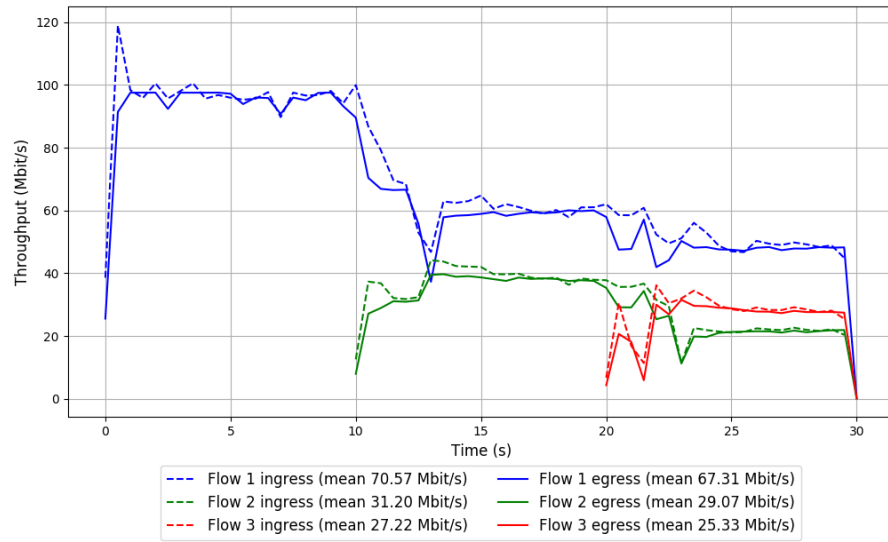


Run 7: Statistics of TCP BBR

Start at: 2018-02-05 00:40:55
End at: 2018-02-05 00:41:25
Local clock offset: 0.991 ms
Remote clock offset: -7.727 ms

Below is generated by plot.py at 2018-02-05 02:36:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 63.883 ms
Loss rate: 5.25%
-- Flow 1:
Average throughput: 67.31 Mbit/s
95th percentile per-packet one-way delay: 63.135 ms
Loss rate: 4.58%
-- Flow 2:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 64.923 ms
Loss rate: 6.79%
-- Flow 3:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 65.640 ms
Loss rate: 6.96%

Run 7: Report of TCP BBR — Data Link

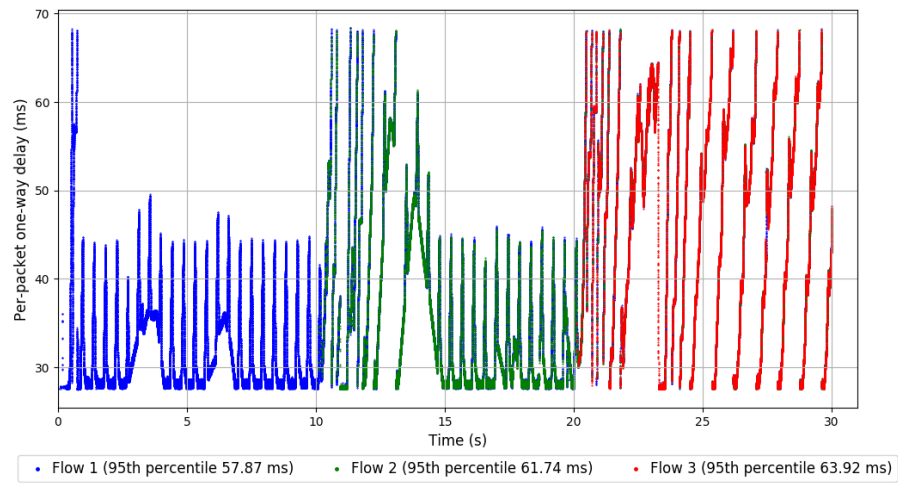
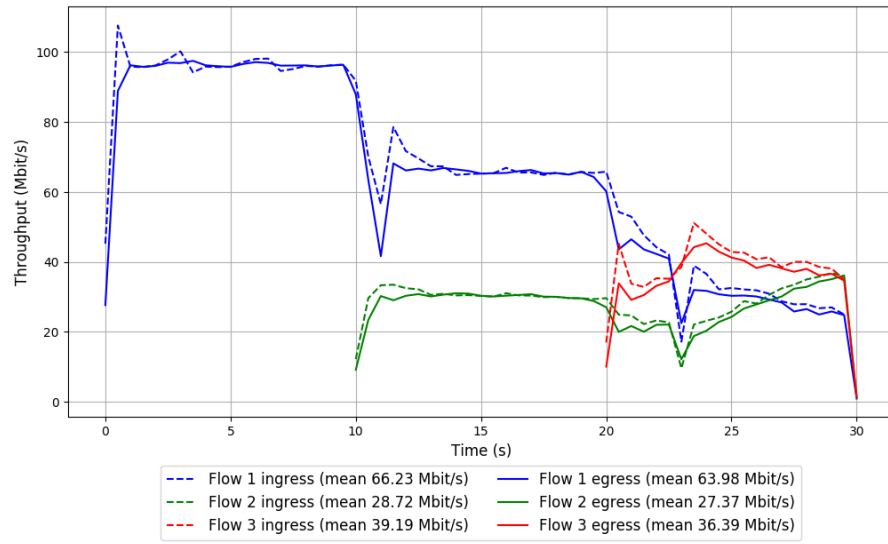


Run 8: Statistics of TCP BBR

Start at: 2018-02-05 01:07:40
End at: 2018-02-05 01:08:10
Local clock offset: 1.107 ms
Remote clock offset: -6.134 ms

Below is generated by plot.py at 2018-02-05 02:36:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 60.692 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 57.873 ms
Loss rate: 3.33%
-- Flow 2:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 61.738 ms
Loss rate: 4.59%
-- Flow 3:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 63.917 ms
Loss rate: 7.07%

Run 8: Report of TCP BBR — Data Link

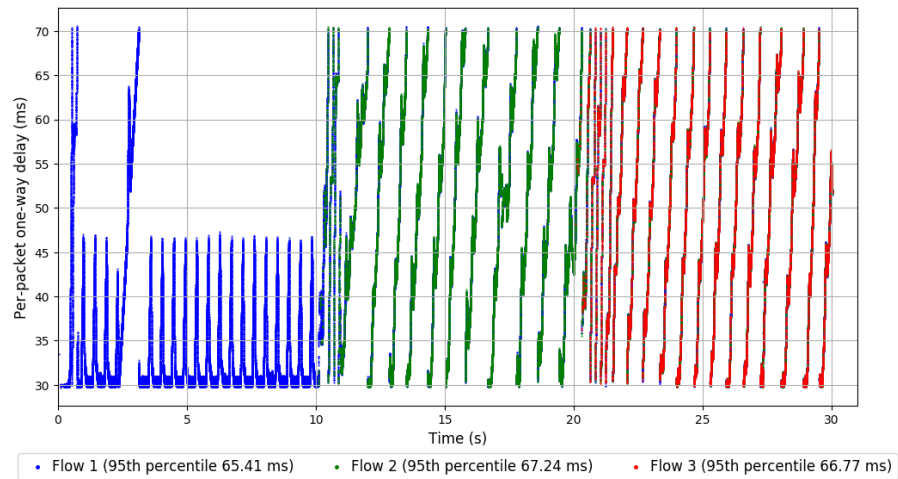
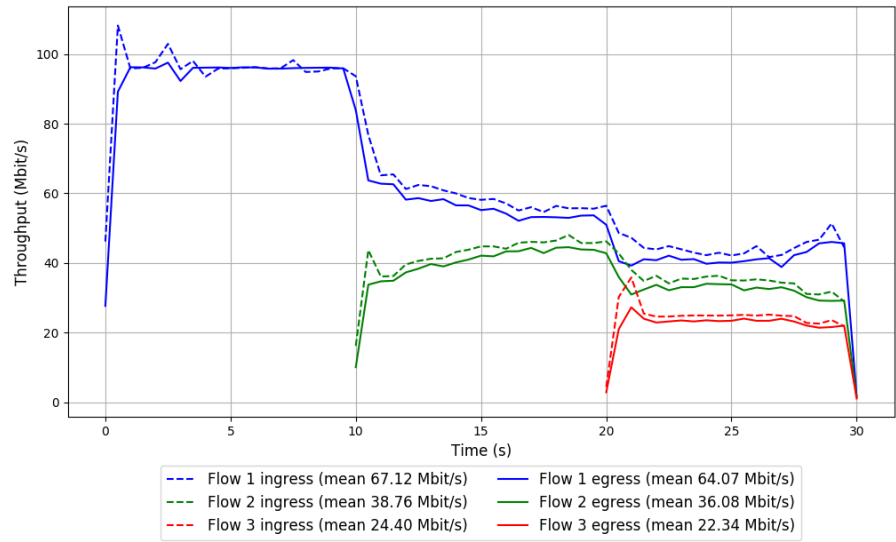


Run 9: Statistics of TCP BBR

Start at: 2018-02-05 01:34:09
End at: 2018-02-05 01:34:39
Local clock offset: 1.225 ms
Remote clock offset: -3.767 ms

Below is generated by plot.py at 2018-02-05 02:37:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 66.206 ms
Loss rate: 5.40%
-- Flow 1:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 65.407 ms
Loss rate: 4.49%
-- Flow 2:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 67.243 ms
Loss rate: 6.80%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 66.767 ms
Loss rate: 8.42%

Run 9: Report of TCP BBR — Data Link

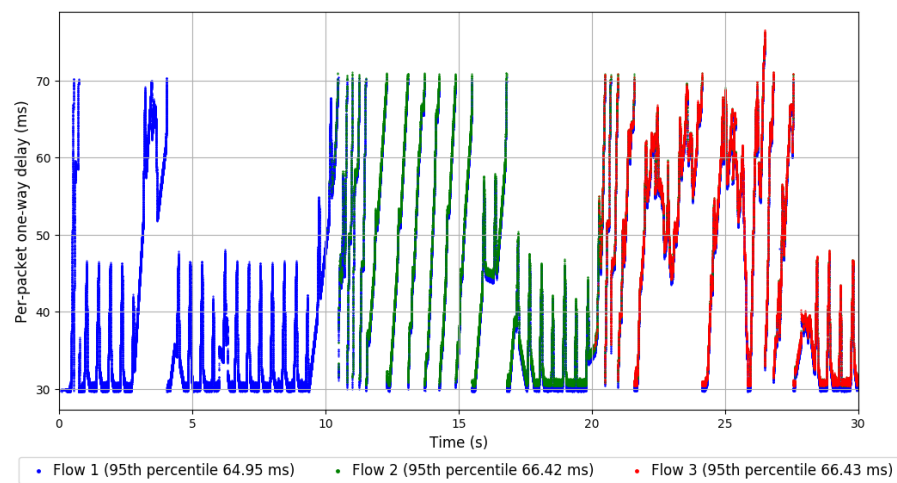
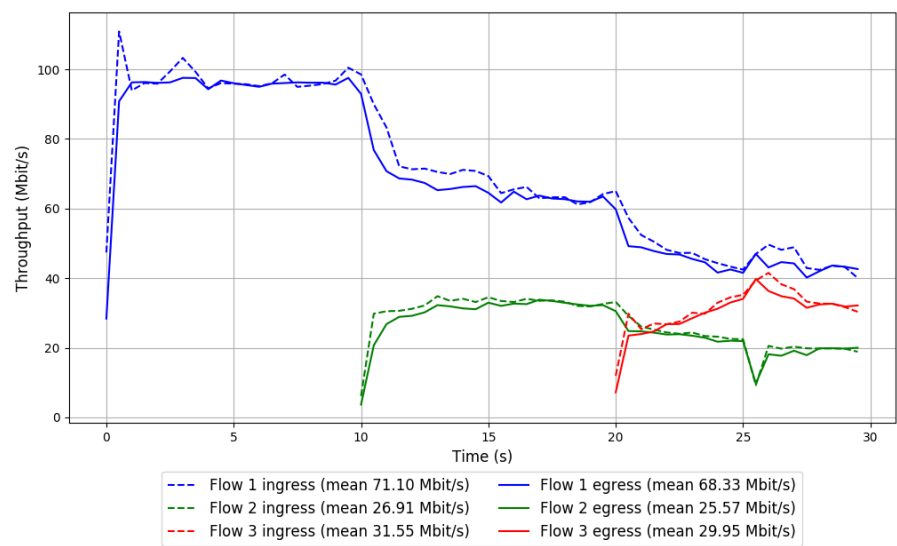


Run 10: Statistics of TCP BBR

Start at: 2018-02-05 02:00:35
End at: 2018-02-05 02:01:05
Local clock offset: 1.246 ms
Remote clock offset: -3.913 ms

Below is generated by plot.py at 2018-02-05 02:37:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 65.474 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 68.33 Mbit/s
95th percentile per-packet one-way delay: 64.949 ms
Loss rate: 3.90%
-- Flow 2:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 66.422 ms
Loss rate: 5.07%
-- Flow 3:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 66.426 ms
Loss rate: 5.10%

Run 10: Report of TCP BBR — Data Link

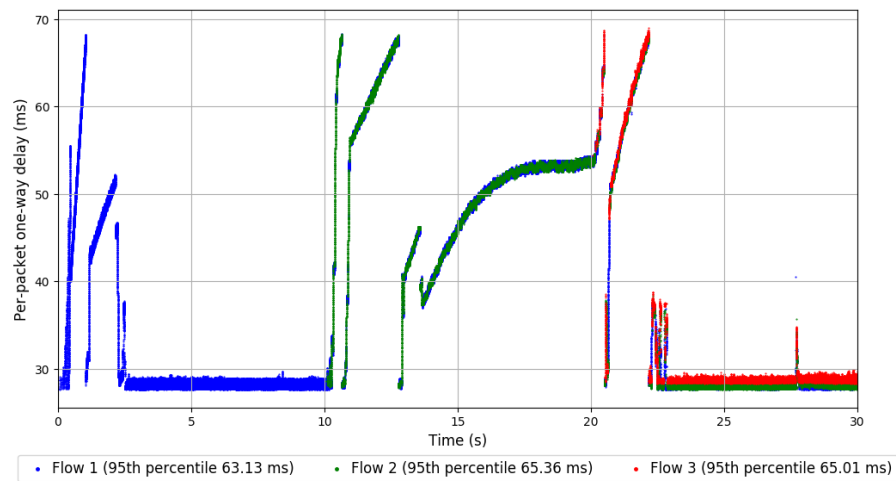
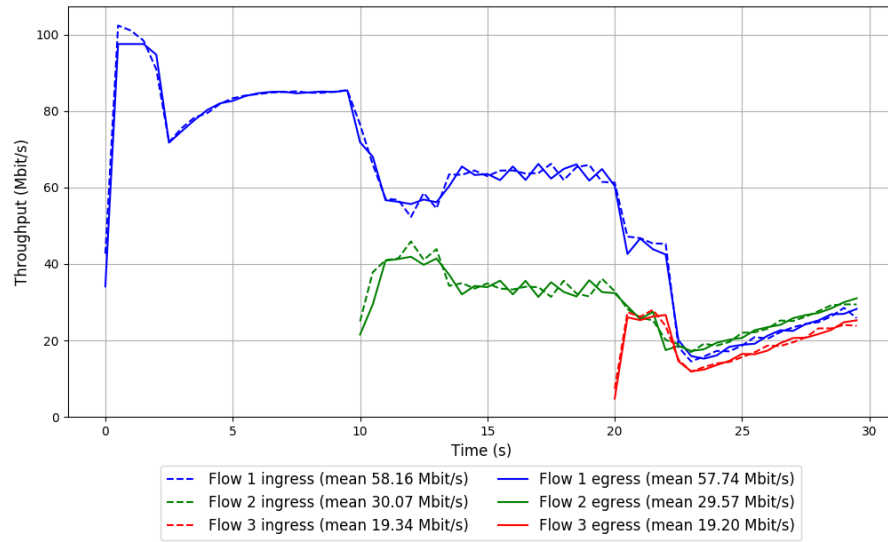


Run 1: Statistics of TCP Cubic

Start at: 2018-02-04 21:47:57
End at: 2018-02-04 21:48:28
Local clock offset: 0.202 ms
Remote clock offset: -7.983 ms

Below is generated by plot.py at 2018-02-05 02:37:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 64.102 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 57.74 Mbit/s
95th percentile per-packet one-way delay: 63.130 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 65.356 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 19.20 Mbit/s
95th percentile per-packet one-way delay: 65.008 ms
Loss rate: 0.99%

Run 1: Report of TCP Cubic — Data Link

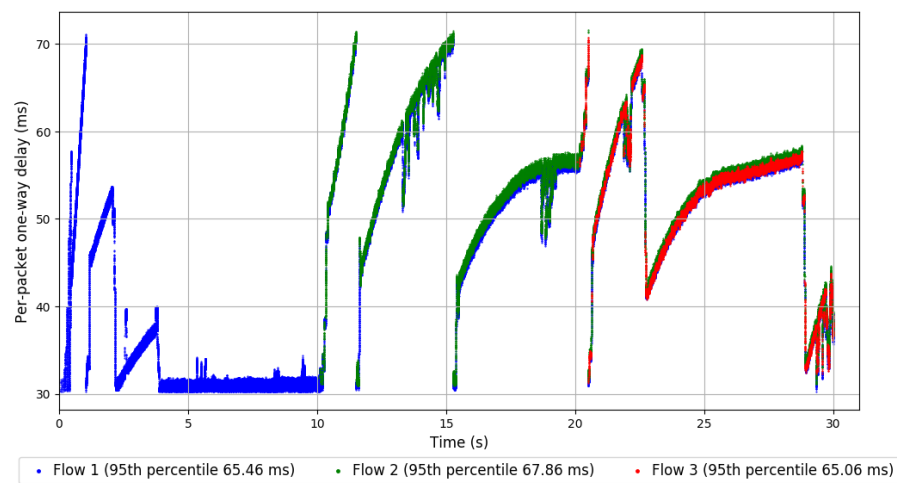
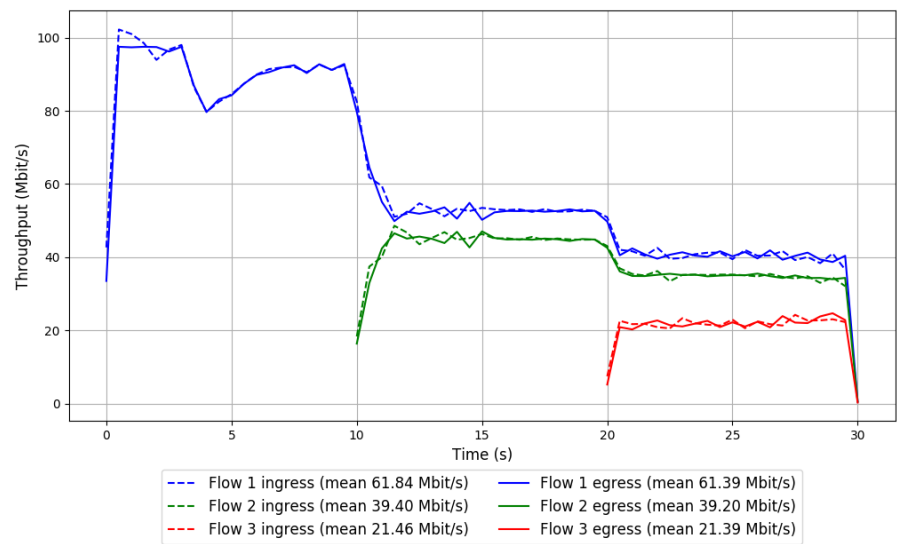


Run 2: Statistics of TCP Cubic

Start at: 2018-02-04 22:13:29
End at: 2018-02-04 22:13:59
Local clock offset: -0.126 ms
Remote clock offset: -6.044 ms

Below is generated by plot.py at 2018-02-05 02:37:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 66.229 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 65.459 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 67.855 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 21.39 Mbit/s
95th percentile per-packet one-way delay: 65.059 ms
Loss rate: 0.55%

Run 2: Report of TCP Cubic — Data Link

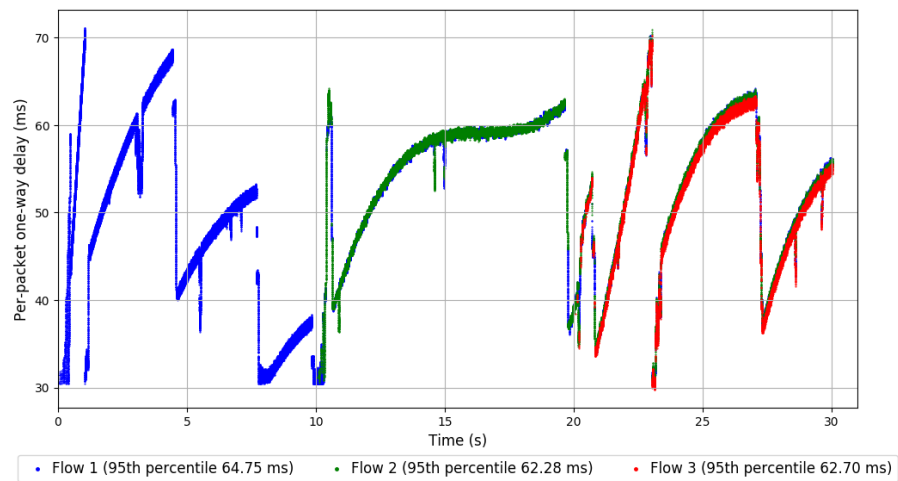
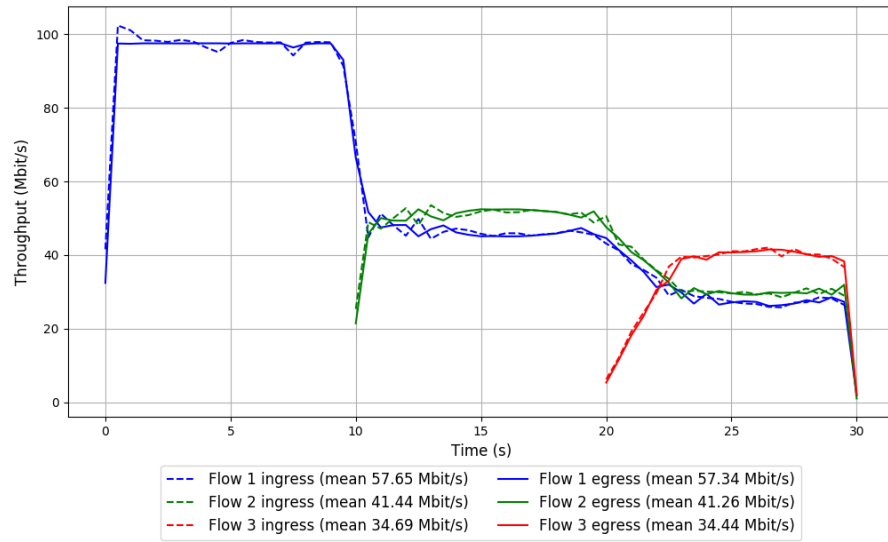


Run 3: Statistics of TCP Cubic

Start at: 2018-02-04 22:38:57
End at: 2018-02-04 22:39:27
Local clock offset: -0.292 ms
Remote clock offset: -7.325 ms

Below is generated by plot.py at 2018-02-05 02:37:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 63.281 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 64.747 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: 62.279 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 62.705 ms
Loss rate: 0.54%

Run 3: Report of TCP Cubic — Data Link

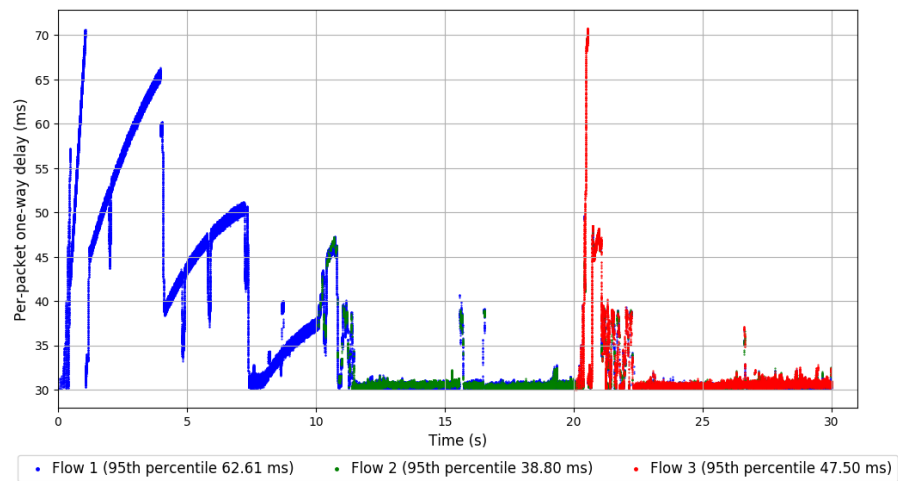
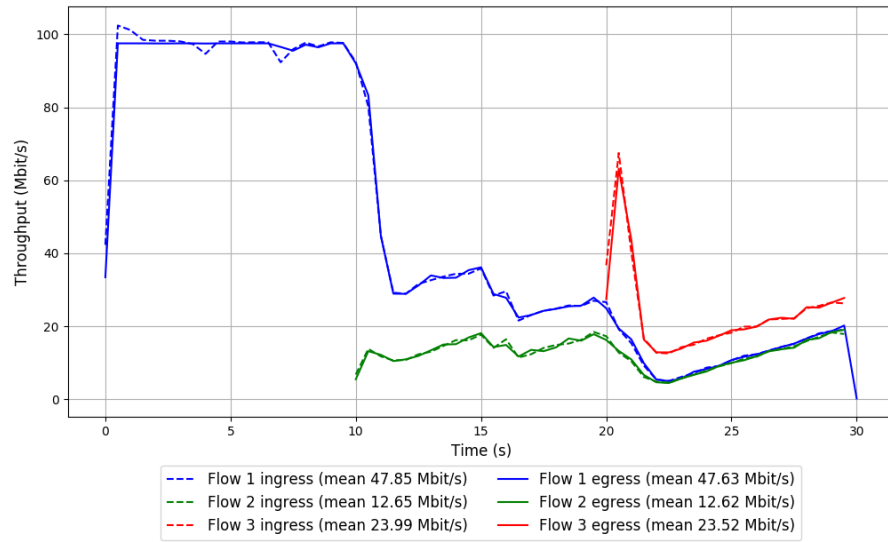


Run 4: Statistics of TCP Cubic

Start at: 2018-02-04 23:05:11
End at: 2018-02-04 23:05:41
Local clock offset: -0.289 ms
Remote clock offset: -8.144 ms

Below is generated by plot.py at 2018-02-05 02:37:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.83 Mbit/s
95th percentile per-packet one-way delay: 61.634 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 47.63 Mbit/s
95th percentile per-packet one-way delay: 62.610 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 38.796 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 47.496 ms
Loss rate: 1.95%

Run 4: Report of TCP Cubic — Data Link

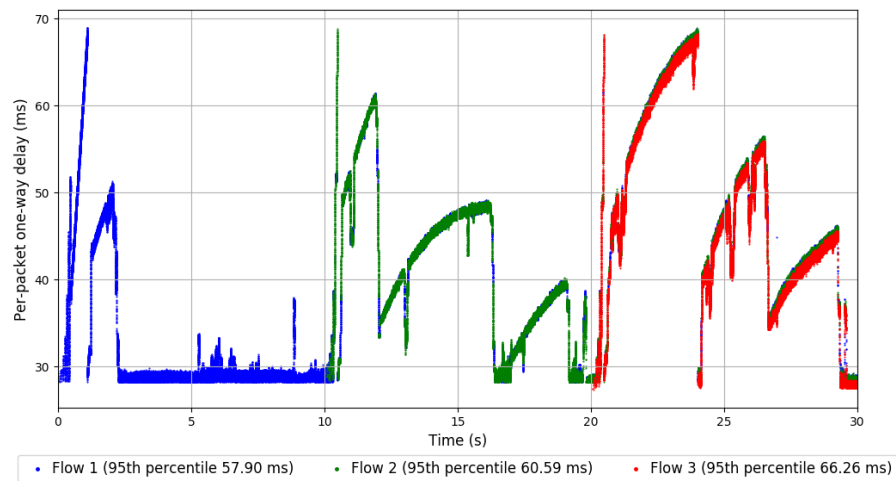
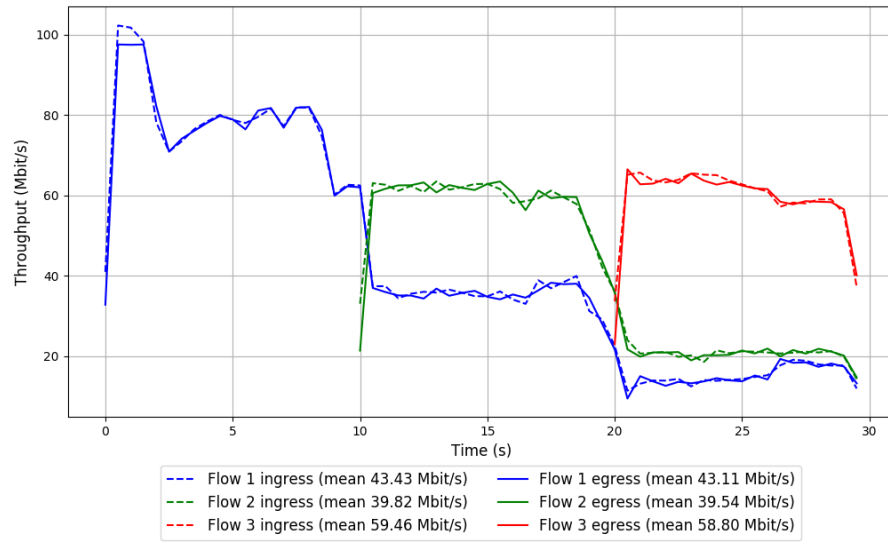


Run 5: Statistics of TCP Cubic

Start at: 2018-02-04 23:31:31
End at: 2018-02-04 23:32:01
Local clock offset: 0.044 ms
Remote clock offset: -11.262 ms

Below is generated by plot.py at 2018-02-05 02:37:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 63.296 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 57.901 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 60.594 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 66.256 ms
Loss rate: 1.11%

Run 5: Report of TCP Cubic — Data Link

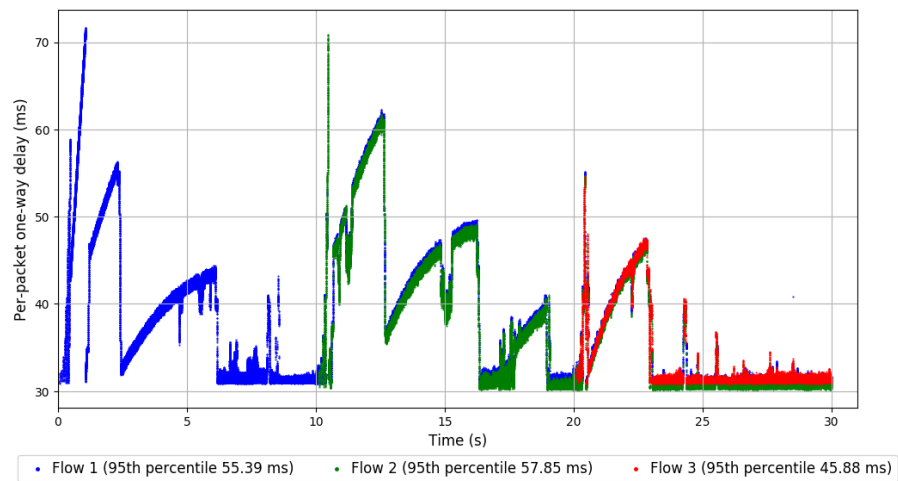
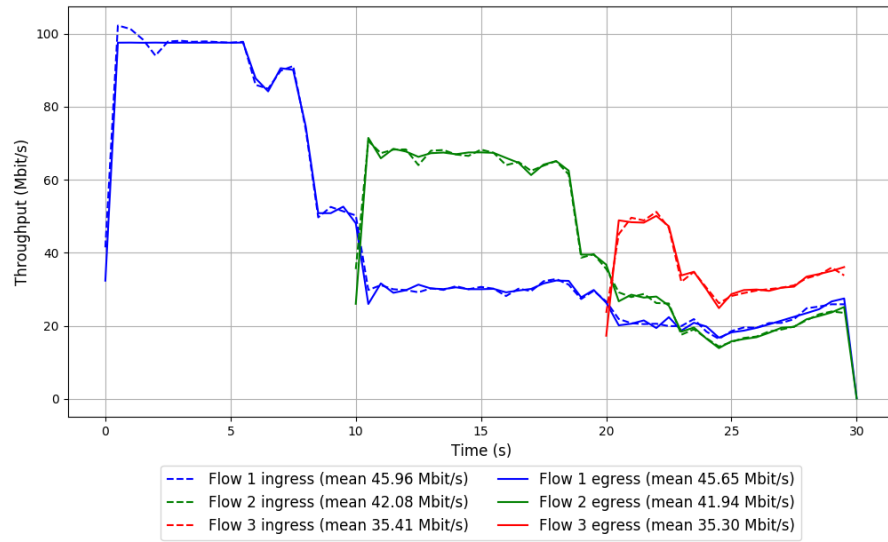


Run 6: Statistics of TCP Cubic

Start at: 2018-02-04 23:58:04
End at: 2018-02-04 23:58:34
Local clock offset: 0.467 ms
Remote clock offset: -7.355 ms

Below is generated by plot.py at 2018-02-05 02:37:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 55.630 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 55.393 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 41.94 Mbit/s
95th percentile per-packet one-way delay: 57.855 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 45.876 ms
Loss rate: 0.31%

Run 6: Report of TCP Cubic — Data Link

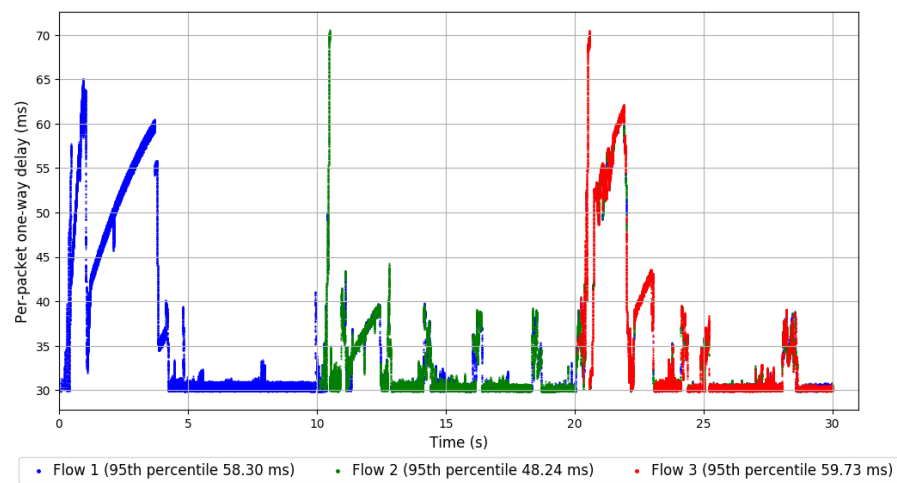
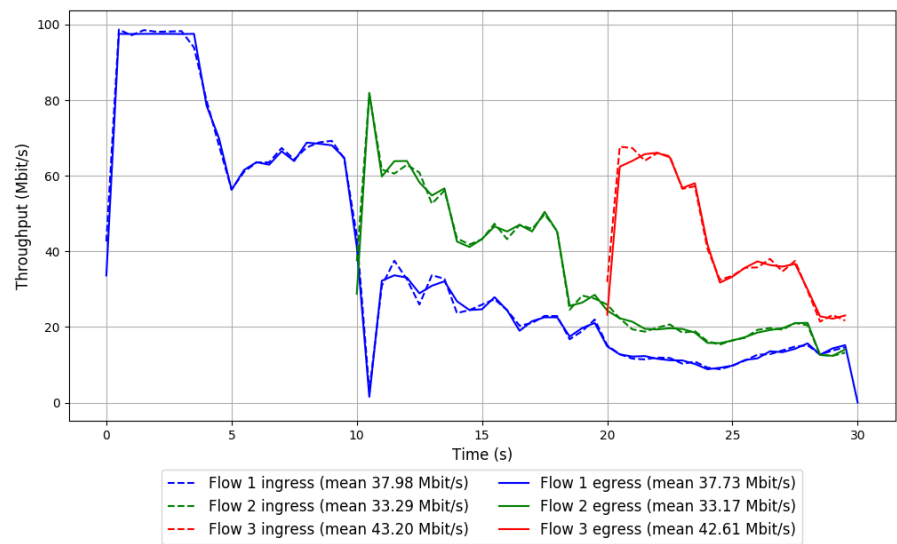


Run 7: Statistics of TCP Cubic

Start at: 2018-02-05 00:24:06
End at: 2018-02-05 00:24:36
Local clock offset: 0.771 ms
Remote clock offset: -6.456 ms

Below is generated by plot.py at 2018-02-05 02:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.97 Mbit/s
95th percentile per-packet one-way delay: 58.017 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 37.73 Mbit/s
95th percentile per-packet one-way delay: 58.304 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 48.237 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 42.61 Mbit/s
95th percentile per-packet one-way delay: 59.735 ms
Loss rate: 1.40%

Run 7: Report of TCP Cubic — Data Link

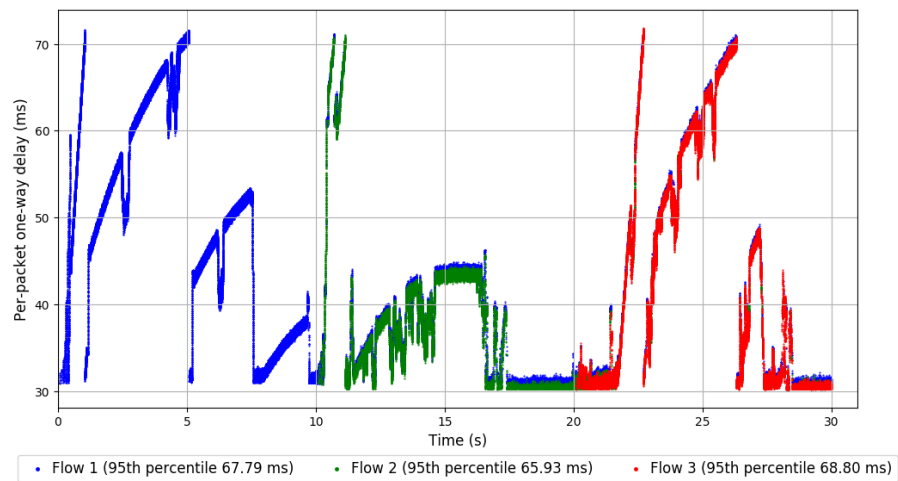
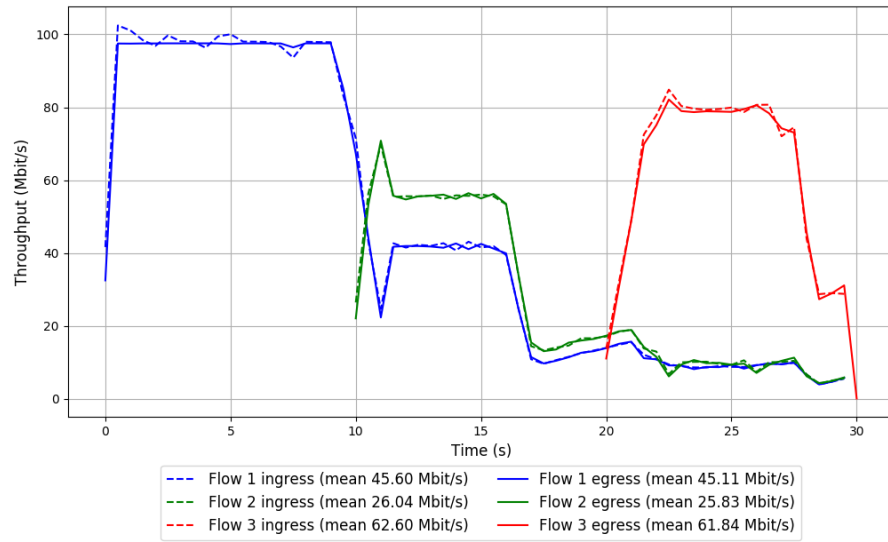


Run 8: Statistics of TCP Cubic

Start at: 2018-02-05 00:51:16
End at: 2018-02-05 00:51:46
Local clock offset: 0.998 ms
Remote clock offset: -4.268 ms

Below is generated by plot.py at 2018-02-05 02:38:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.82 Mbit/s
95th percentile per-packet one-way delay: 67.891 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 67.786 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 25.83 Mbit/s
95th percentile per-packet one-way delay: 65.928 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 68.796 ms
Loss rate: 1.21%

Run 8: Report of TCP Cubic — Data Link

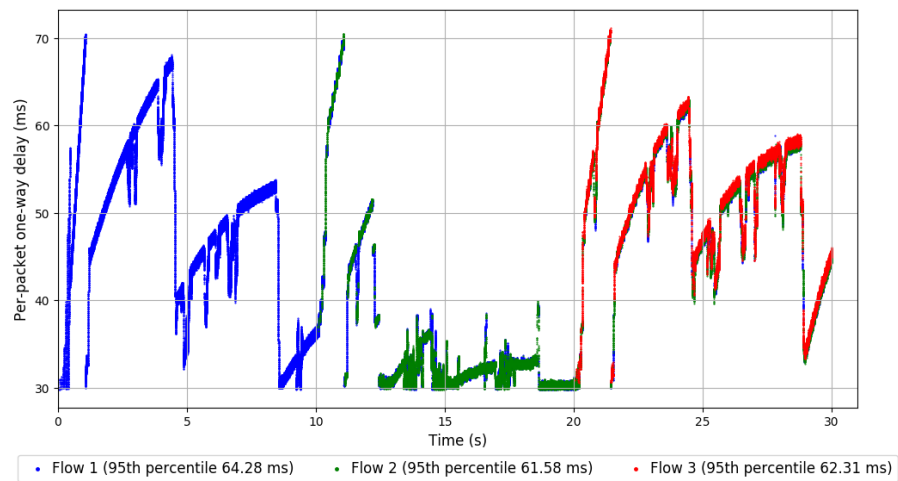
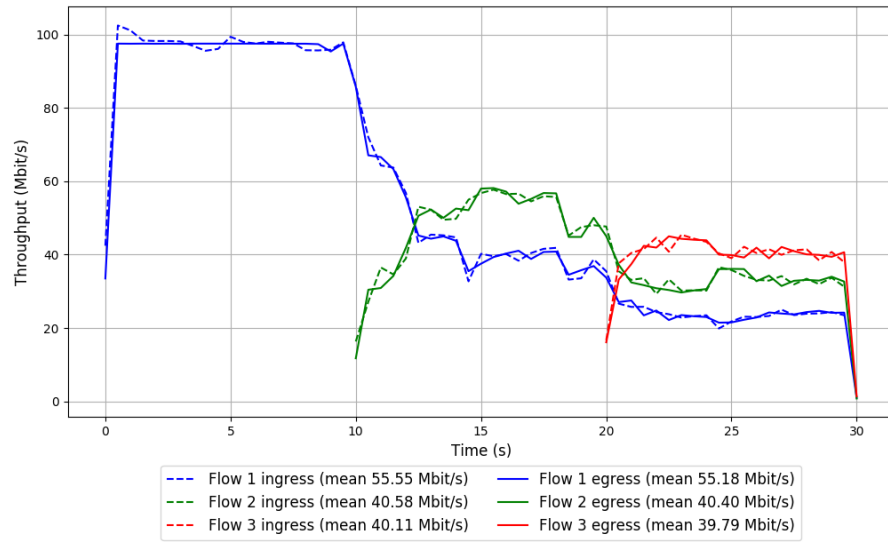


Run 9: Statistics of TCP Cubic

Start at: 2018-02-05 01:17:54
End at: 2018-02-05 01:18:24
Local clock offset: 1.102 ms
Remote clock offset: -3.675 ms

Below is generated by plot.py at 2018-02-05 02:39:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 63.474 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 55.18 Mbit/s
95th percentile per-packet one-way delay: 64.284 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 40.40 Mbit/s
95th percentile per-packet one-way delay: 61.576 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 62.315 ms
Loss rate: 0.67%

Run 9: Report of TCP Cubic — Data Link

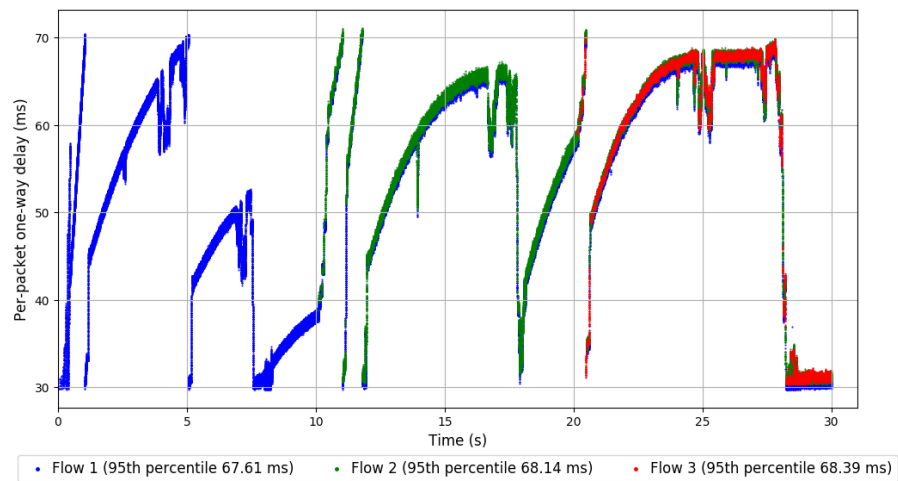
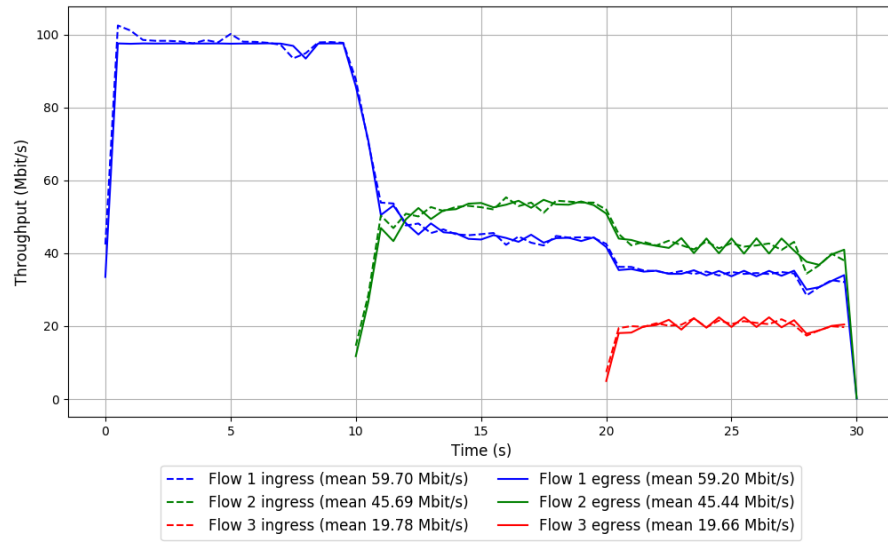


Run 10: Statistics of TCP Cubic

Start at: 2018-02-05 01:44:13
End at: 2018-02-05 01:44:43
Local clock offset: 1.306 ms
Remote clock offset: -3.731 ms

Below is generated by plot.py at 2018-02-05 02:39:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 68.016 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 59.20 Mbit/s
95th percentile per-packet one-way delay: 67.611 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 68.136 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 68.391 ms
Loss rate: 0.85%

Run 10: Report of TCP Cubic — Data Link

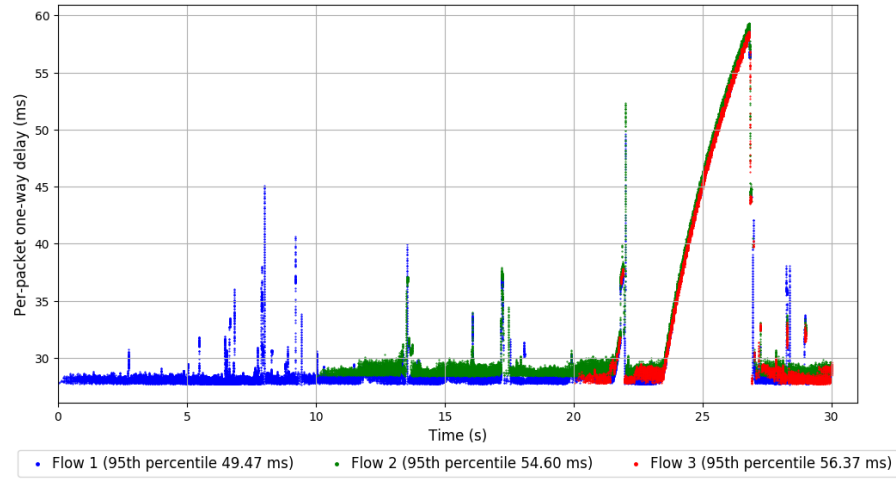
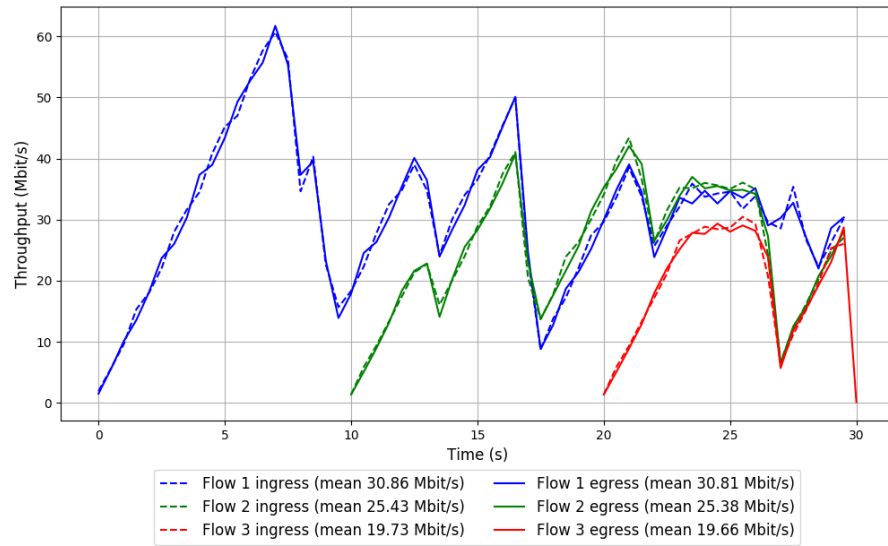


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-04 21:55:00
End at: 2018-02-04 21:55:30
Local clock offset: -0.019 ms
Remote clock offset: -8.317 ms

# Below is generated by plot.py at 2018-02-05 02:39:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.21 Mbit/s
95th percentile per-packet one-way delay: 53.560 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 30.81 Mbit/s
95th percentile per-packet one-way delay: 49.468 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 54.603 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 19.66 Mbit/s
95th percentile per-packet one-way delay: 56.374 ms
Loss rate: 0.33%
```

Run 1: Report of LEDBAT — Data Link

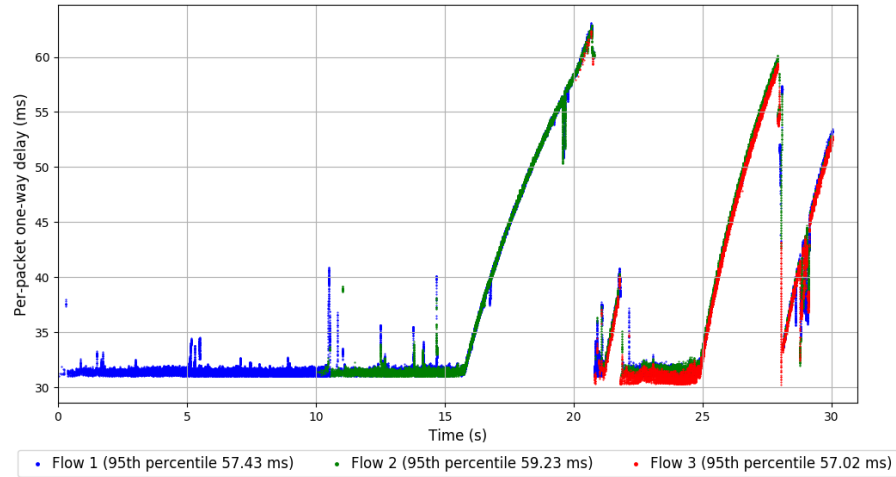
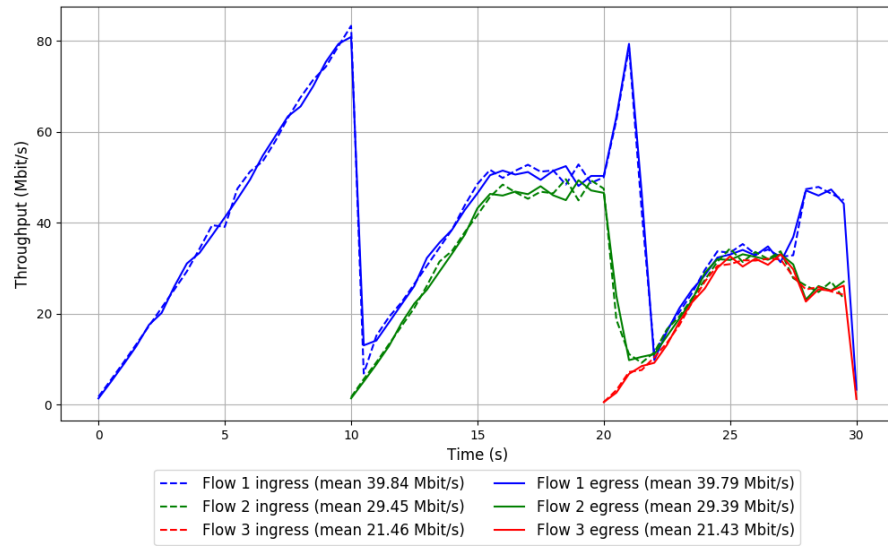


Run 2: Statistics of LEDBAT

Start at: 2018-02-04 22:20:39
End at: 2018-02-04 22:21:09
Local clock offset: -0.303 ms
Remote clock offset: -6.313 ms

Below is generated by plot.py at 2018-02-05 02:39:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 58.164 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 39.79 Mbit/s
95th percentile per-packet one-way delay: 57.427 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 59.231 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 57.019 ms
Loss rate: 0.15%

Run 2: Report of LEDBAT — Data Link

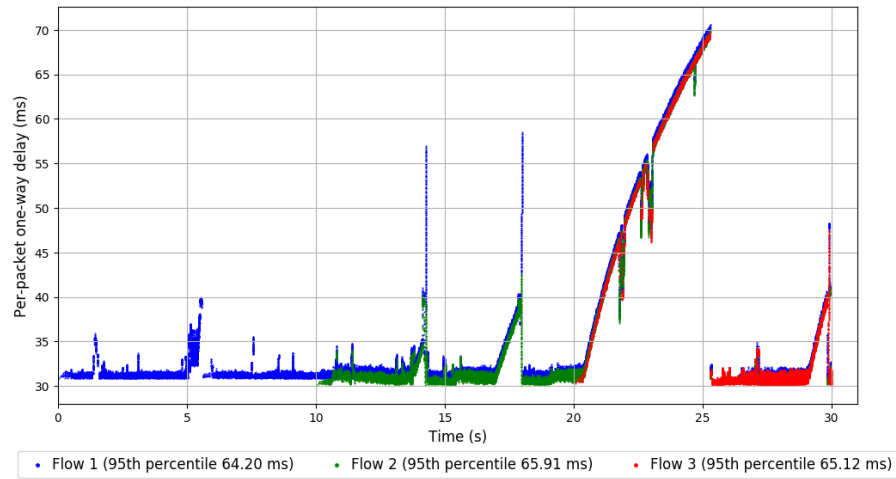
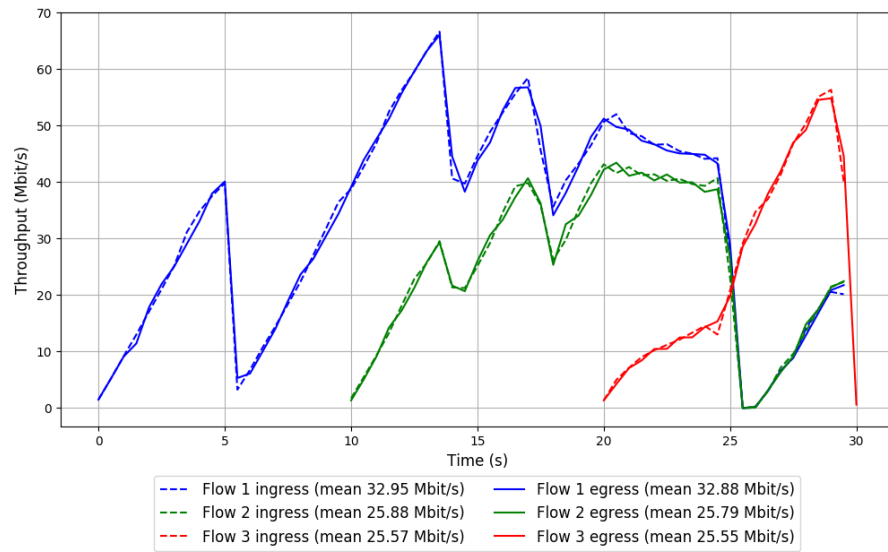


Run 3: Statistics of LEDBAT

Start at: 2018-02-04 22:46:23
End at: 2018-02-04 22:46:53
Local clock offset: -0.312 ms
Remote clock offset: -7.199 ms

Below is generated by plot.py at 2018-02-05 02:39:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.50 Mbit/s
95th percentile per-packet one-way delay: 65.139 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 64.203 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 25.79 Mbit/s
95th percentile per-packet one-way delay: 65.913 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 25.55 Mbit/s
95th percentile per-packet one-way delay: 65.125 ms
Loss rate: 0.04%

Run 3: Report of LEDBAT — Data Link

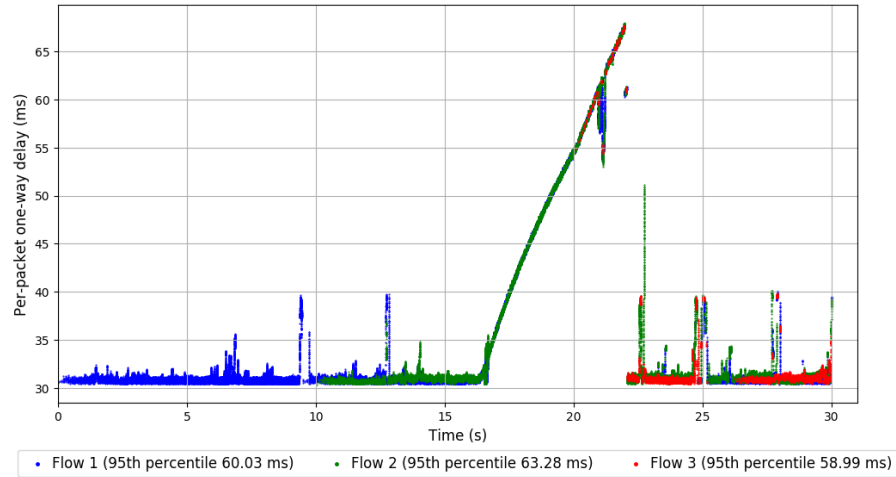
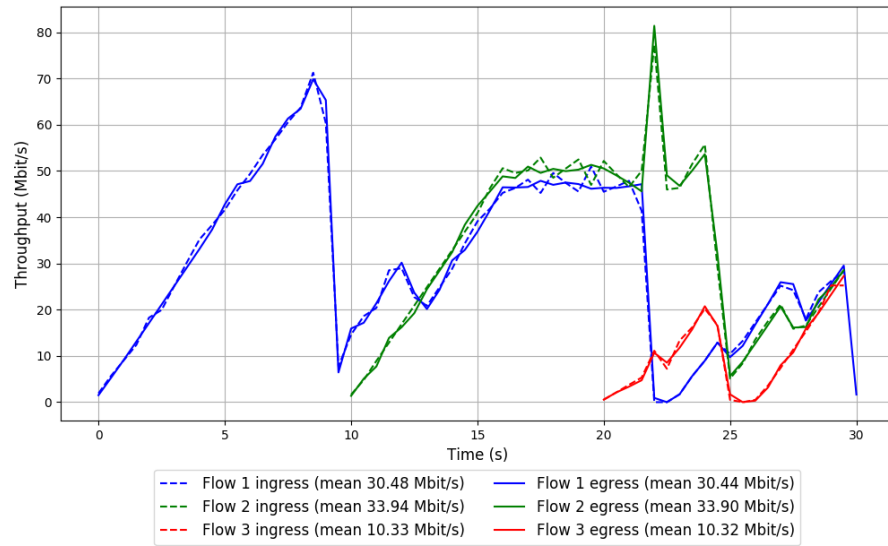


Run 4: Statistics of LEDBAT

Start at: 2018-02-04 23:12:37
End at: 2018-02-04 23:13:07
Local clock offset: -0.229 ms
Remote clock offset: -8.926 ms

Below is generated by plot.py at 2018-02-05 02:39:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 61.011 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 60.032 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 63.284 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 10.32 Mbit/s
95th percentile per-packet one-way delay: 58.988 ms
Loss rate: 0.27%

Run 4: Report of LEDBAT — Data Link

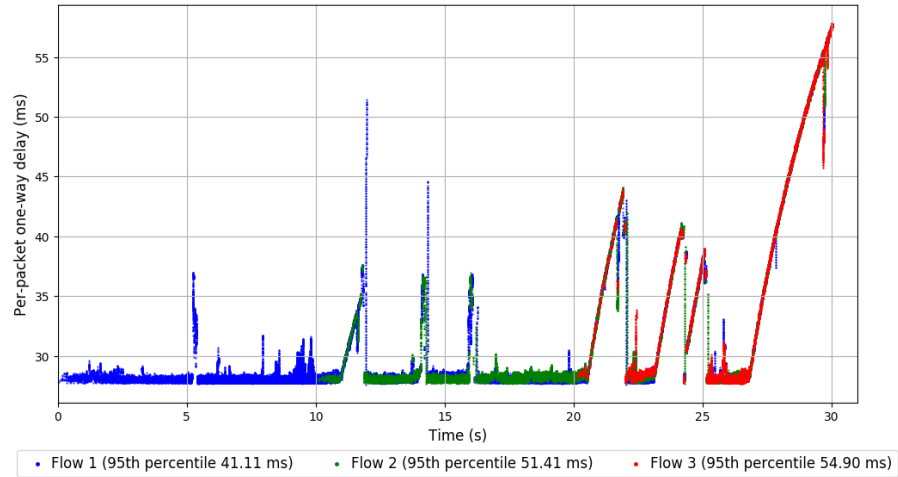
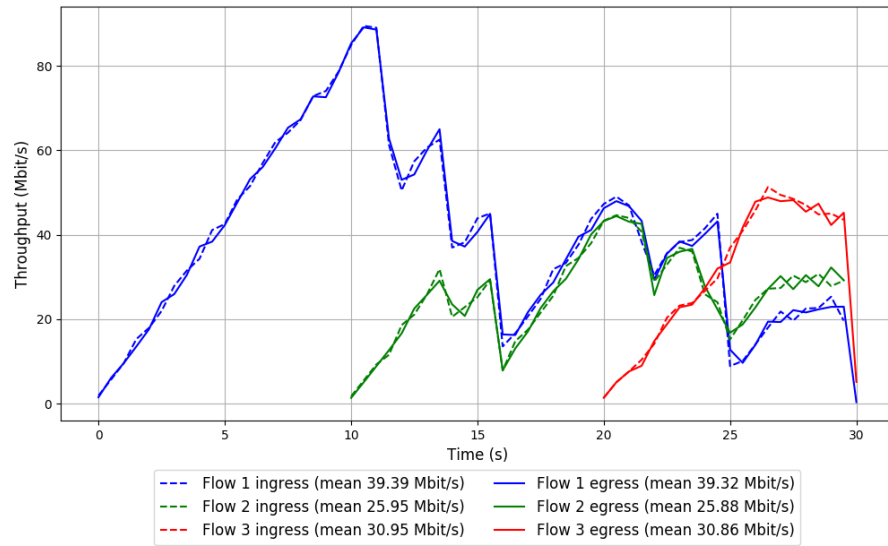


Run 5: Statistics of LEDBAT

Start at: 2018-02-04 23:39:02
End at: 2018-02-04 23:39:32
Local clock offset: 0.091 ms
Remote clock offset: -10.948 ms

Below is generated by plot.py at 2018-02-05 02:39:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.79 Mbit/s
95th percentile per-packet one-way delay: 50.298 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 41.112 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 25.88 Mbit/s
95th percentile per-packet one-way delay: 51.407 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 54.895 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

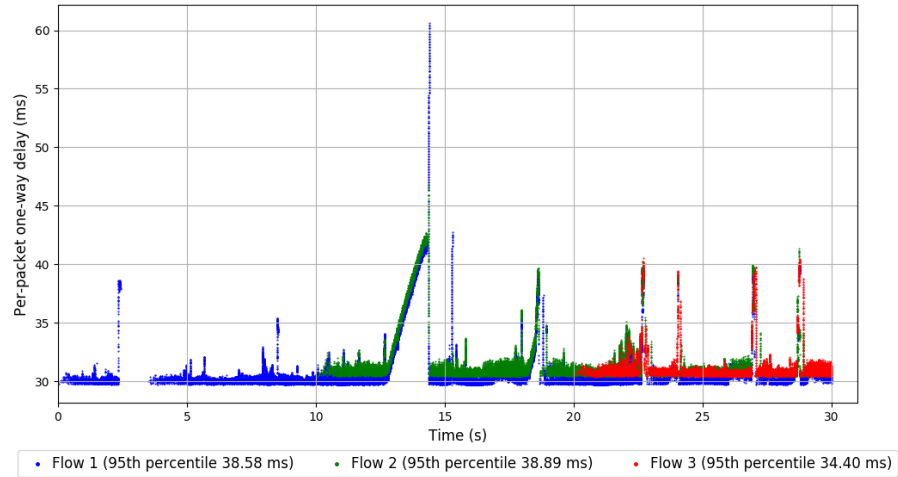
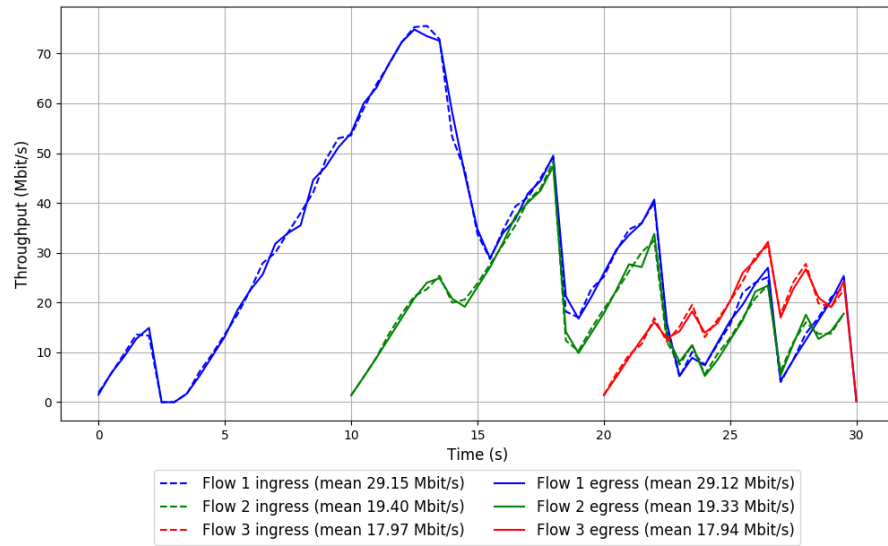


Run 6: Statistics of LEDBAT

Start at: 2018-02-05 00:05:21
End at: 2018-02-05 00:05:51
Local clock offset: 0.486 ms
Remote clock offset: -7.563 ms

Below is generated by plot.py at 2018-02-05 02:39:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.93 Mbit/s
95th percentile per-packet one-way delay: 38.433 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 38.578 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 19.33 Mbit/s
95th percentile per-packet one-way delay: 38.893 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 17.94 Mbit/s
95th percentile per-packet one-way delay: 34.400 ms
Loss rate: 0.19%

Run 6: Report of LEDBAT — Data Link

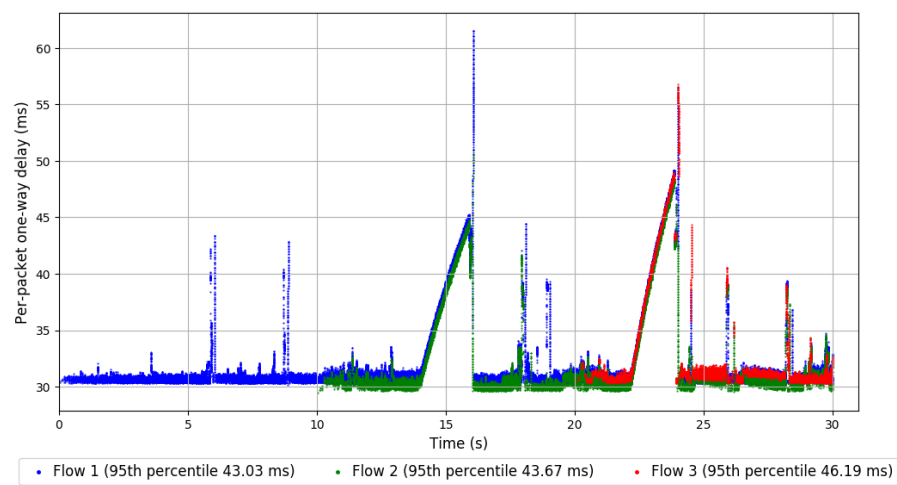
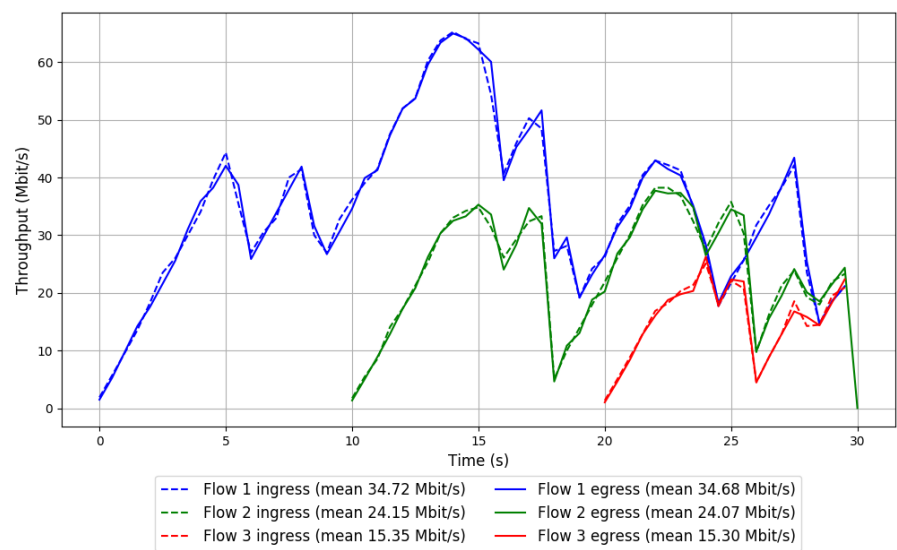


Run 7: Statistics of LEDBAT

Start at: 2018-02-05 00:31:41
End at: 2018-02-05 00:32:11
Local clock offset: 0.858 ms
Remote clock offset: -6.262 ms

Below is generated by plot.py at 2018-02-05 02:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 43.473 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 43.029 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 43.672 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 15.30 Mbit/s
95th percentile per-packet one-way delay: 46.194 ms
Loss rate: 0.30%

Run 7: Report of LEDBAT — Data Link

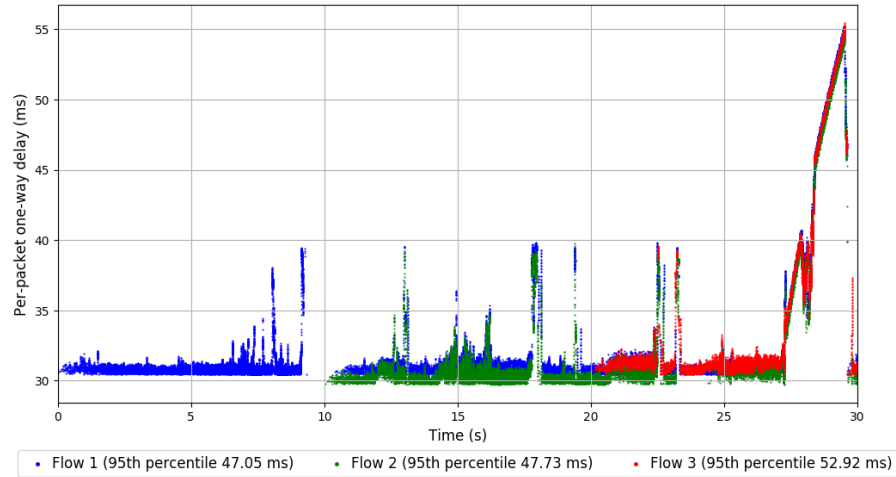
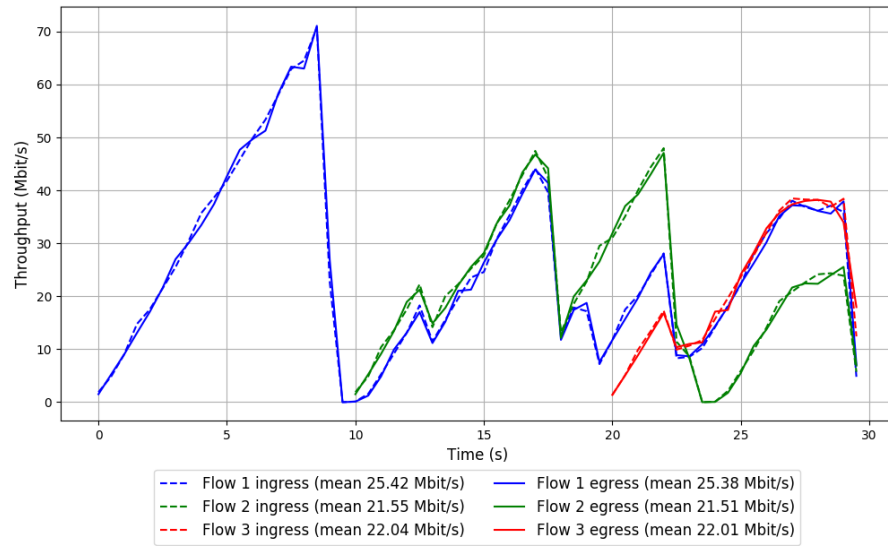


Run 8: Statistics of LEDBAT

Start at: 2018-02-05 00:58:46
End at: 2018-02-05 00:59:16
Local clock offset: 1.011 ms
Remote clock offset: -4.285 ms

Below is generated by plot.py at 2018-02-05 02:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: 49.334 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 47.046 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 21.51 Mbit/s
95th percentile per-packet one-way delay: 47.732 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: 52.920 ms
Loss rate: 0.12%

Run 8: Report of LEDBAT — Data Link

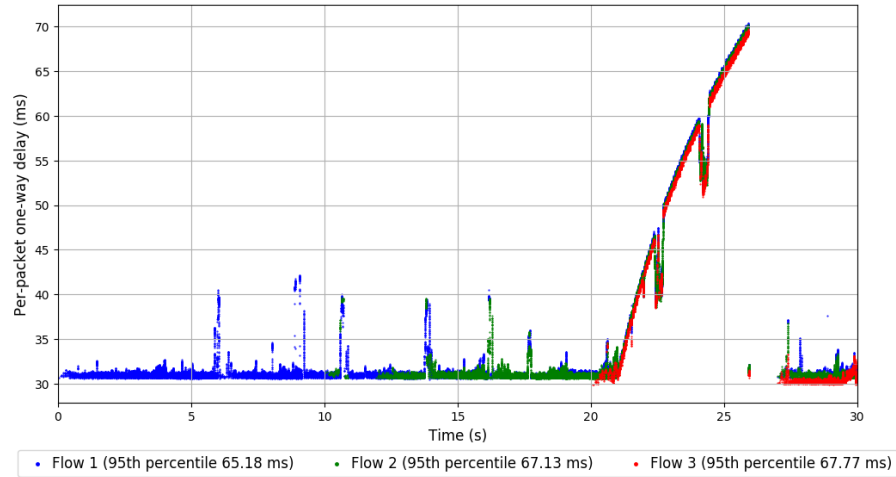
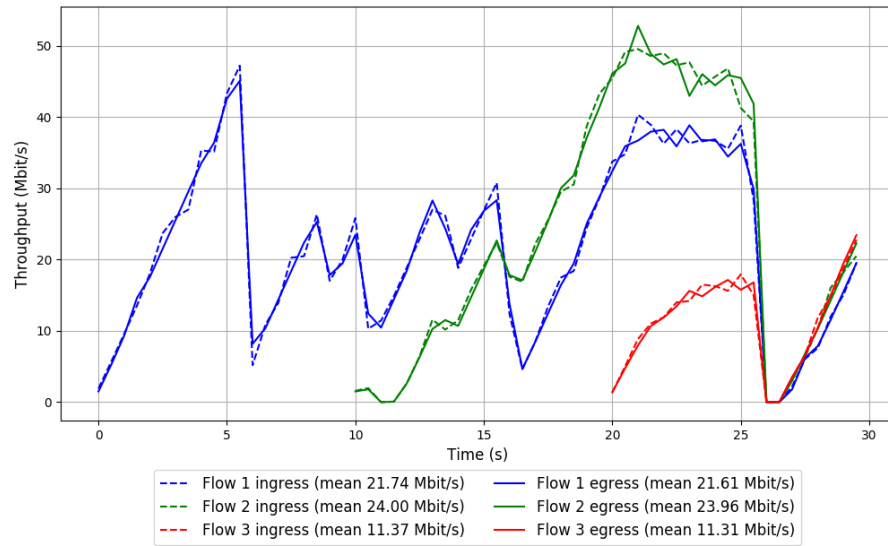


Run 9: Statistics of LEDBAT

Start at: 2018-02-05 01:25:24
End at: 2018-02-05 01:25:54
Local clock offset: 1.182 ms
Remote clock offset: -3.466 ms

Below is generated by plot.py at 2018-02-05 02:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 66.589 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 21.61 Mbit/s
95th percentile per-packet one-way delay: 65.181 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 67.133 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 67.767 ms
Loss rate: 0.57%

Run 9: Report of LEDBAT — Data Link

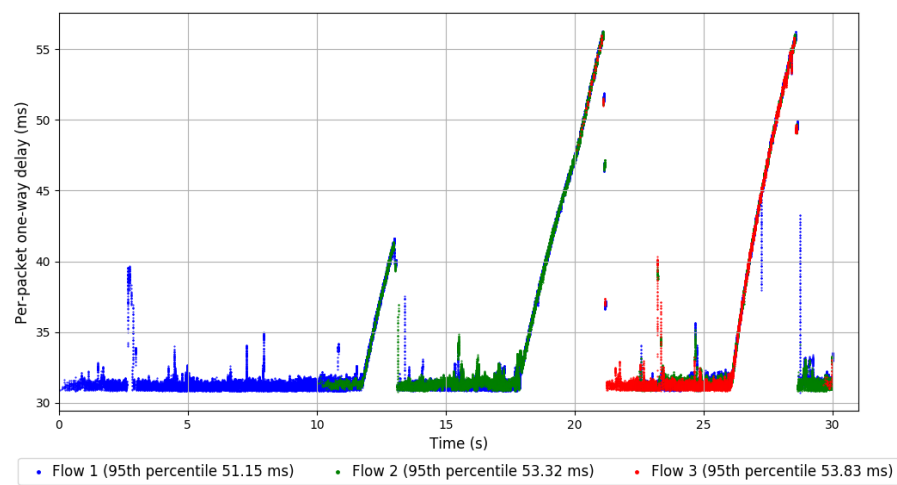
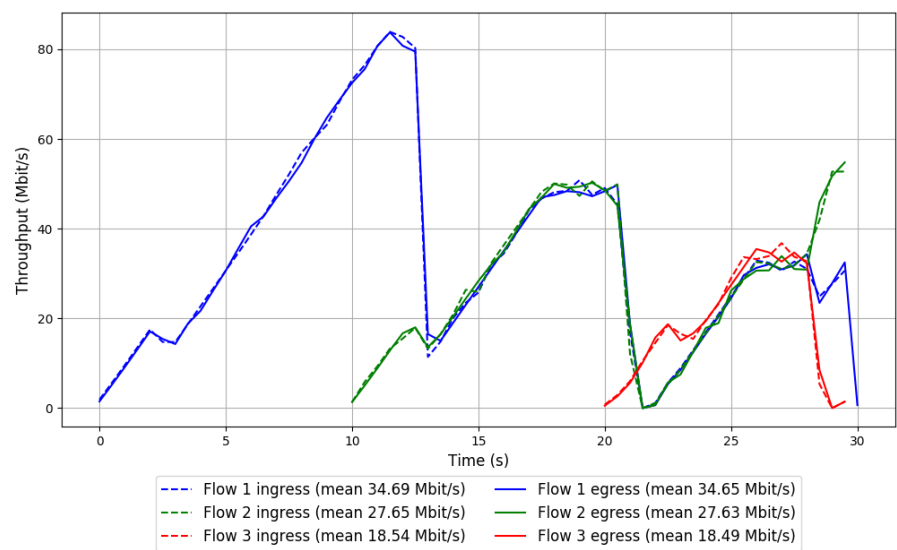


Run 10: Statistics of LEDBAT

Start at: 2018-02-05 01:51:36
End at: 2018-02-05 01:52:06
Local clock offset: 1.298 ms
Remote clock offset: -3.311 ms

Below is generated by plot.py at 2018-02-05 02:39:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 52.595 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 51.147 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 53.320 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 18.49 Mbit/s
95th percentile per-packet one-way delay: 53.830 ms
Loss rate: 0.40%

Run 10: Report of LEDBAT — Data Link

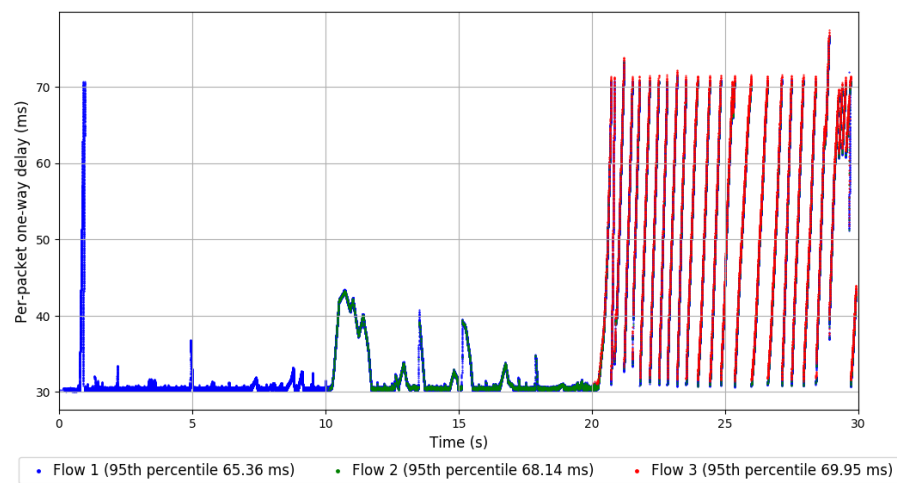
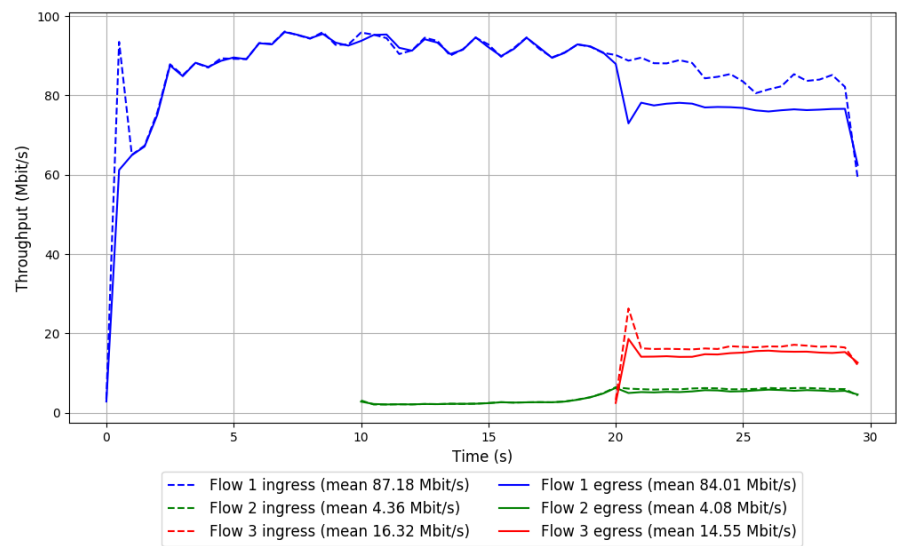


Run 1: Statistics of PCC

Start at: 2018-02-04 22:07:56
End at: 2018-02-04 22:08:26
Local clock offset: -0.045 ms
Remote clock offset: -5.988 ms

Below is generated by plot.py at 2018-02-05 02:40:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 66.286 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 65.357 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 68.140 ms
Loss rate: 6.37%
-- Flow 3:
Average throughput: 14.55 Mbit/s
95th percentile per-packet one-way delay: 69.955 ms
Loss rate: 10.69%

Run 1: Report of PCC — Data Link

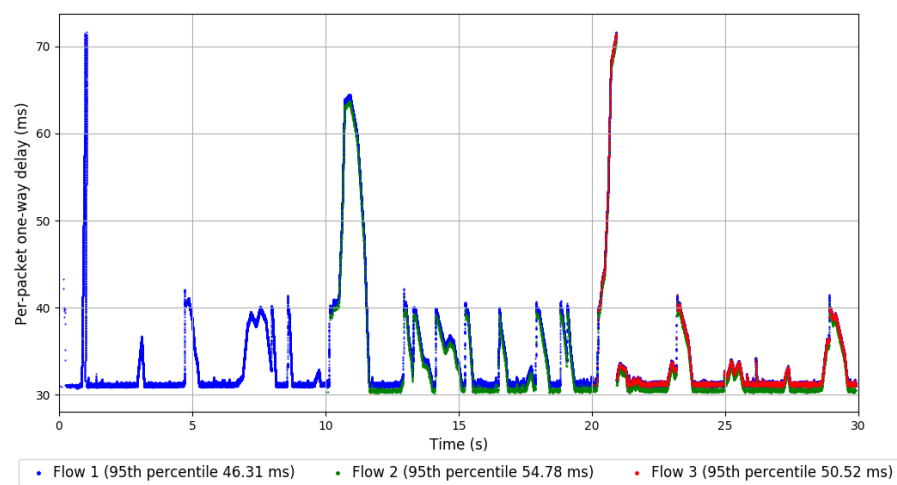
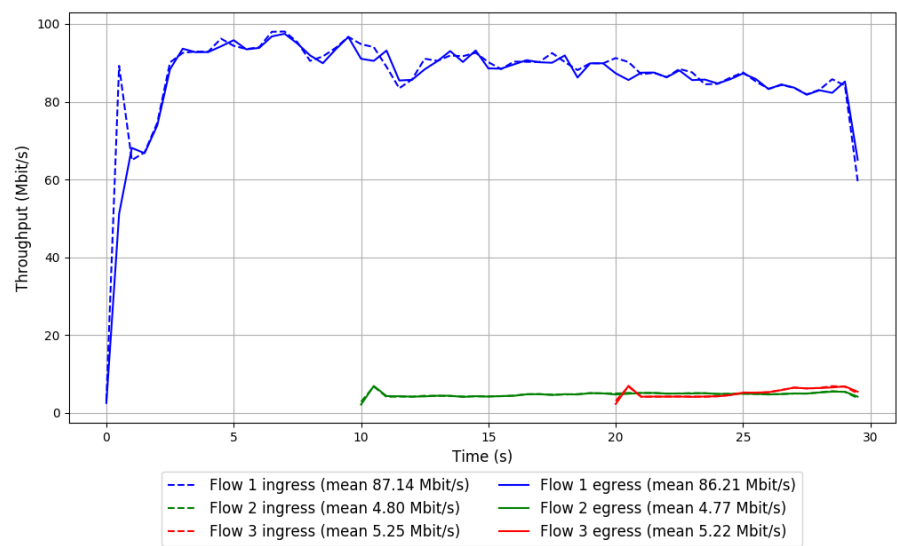


Run 2: Statistics of PCC

Start at: 2018-02-04 22:33:18
End at: 2018-02-04 22:33:48
Local clock offset: -0.328 ms
Remote clock offset: -6.701 ms

Below is generated by plot.py at 2018-02-05 02:40:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.10 Mbit/s
95th percentile per-packet one-way delay: 47.002 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 46.312 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 54.776 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 50.521 ms
Loss rate: 0.57%

Run 2: Report of PCC — Data Link

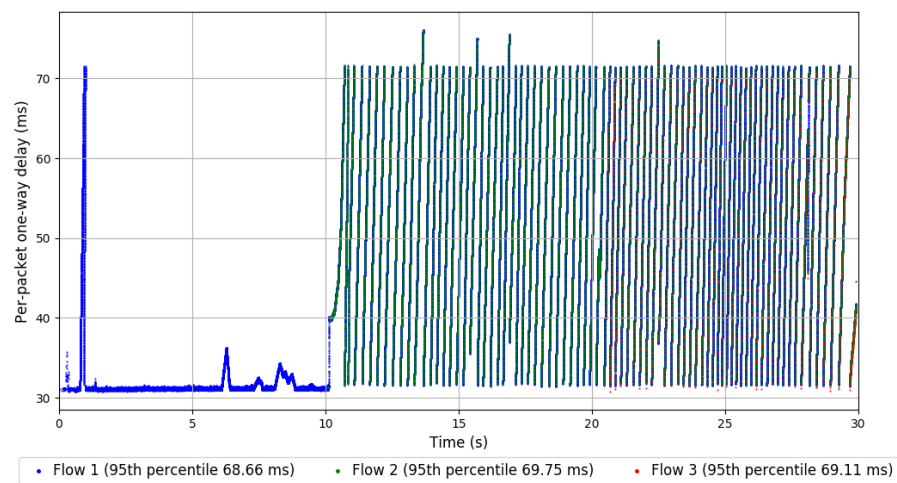
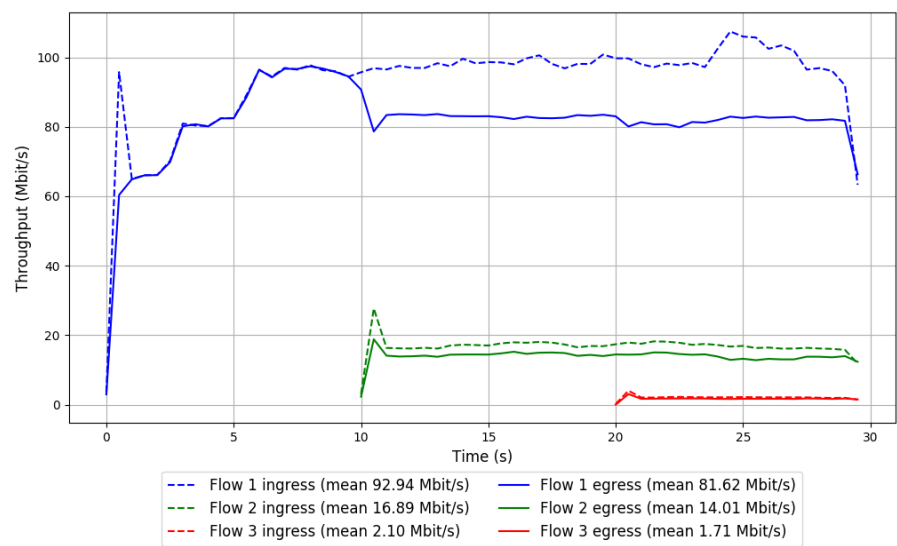


Run 3: Statistics of PCC

Start at: 2018-02-04 22:59:26
End at: 2018-02-04 22:59:56
Local clock offset: -0.298 ms
Remote clock offset: -7.789 ms

Below is generated by plot.py at 2018-02-05 02:40:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: 68.828 ms
Loss rate: 12.70%
-- Flow 1:
Average throughput: 81.62 Mbit/s
95th percentile per-packet one-way delay: 68.661 ms
Loss rate: 12.14%
-- Flow 2:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 69.750 ms
Loss rate: 17.03%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 69.113 ms
Loss rate: 18.36%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-02-04 23:25:51

End at: 2018-02-04 23:26:21

Local clock offset: -0.038 ms

Remote clock offset: -9.28 ms

Below is generated by plot.py at 2018-02-05 02:40:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.98 Mbit/s

95th percentile per-packet one-way delay: 61.692 ms

Loss rate: 2.69%

-- Flow 1:

Average throughput: 76.53 Mbit/s

95th percentile per-packet one-way delay: 61.428 ms

Loss rate: 2.76%

-- Flow 2:

Average throughput: 17.46 Mbit/s

95th percentile per-packet one-way delay: 62.757 ms

Loss rate: 2.81%

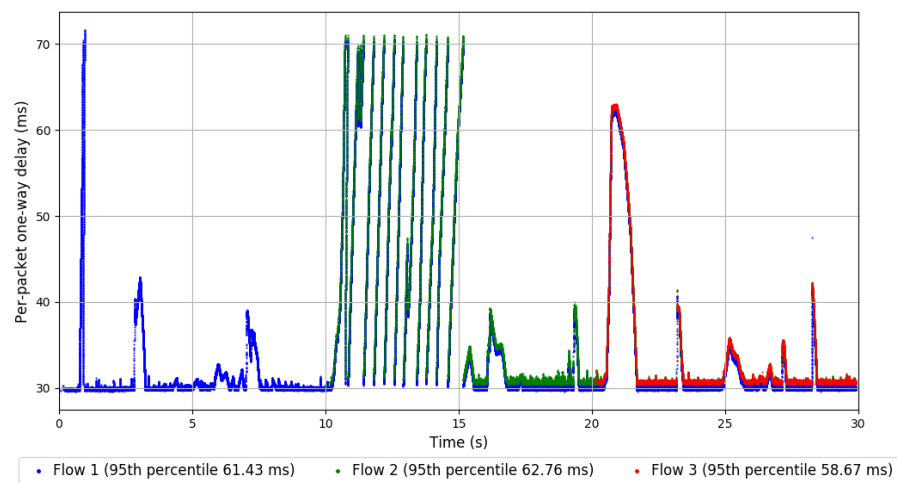
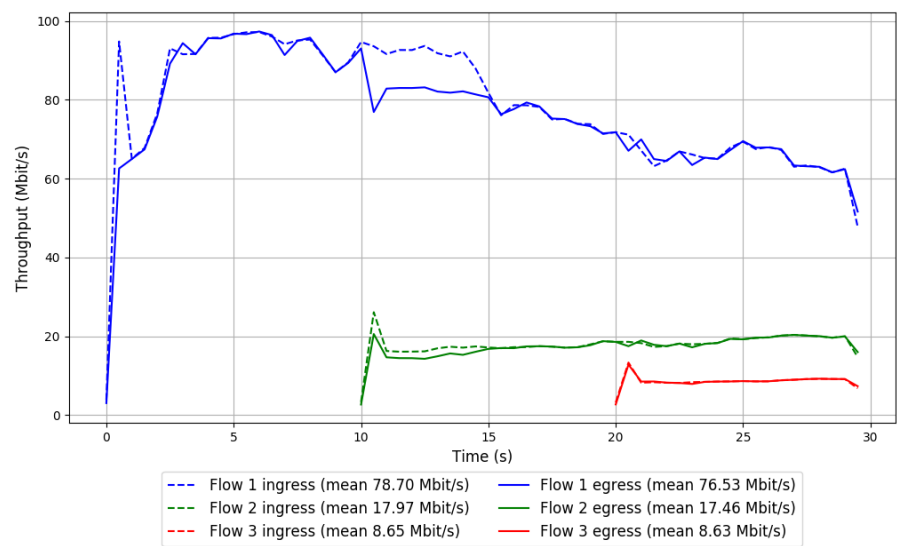
-- Flow 3:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 58.674 ms

Loss rate: 0.25%

Run 4: Report of PCC — Data Link

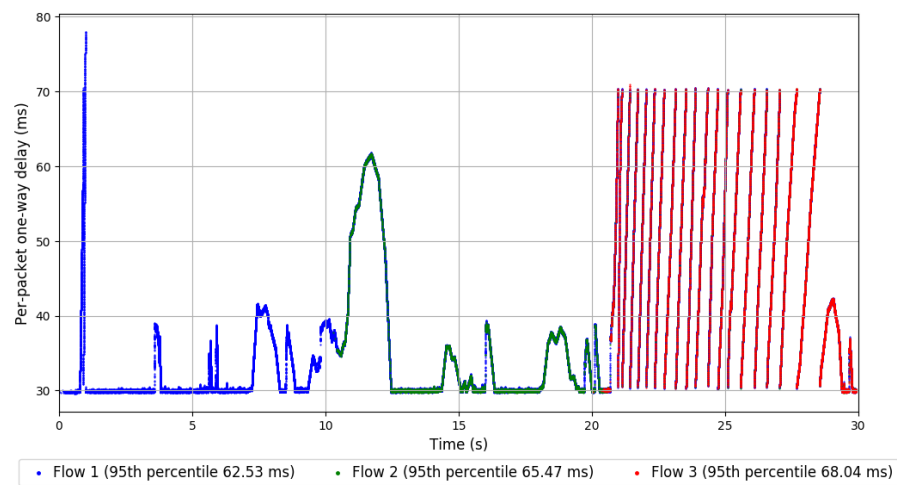
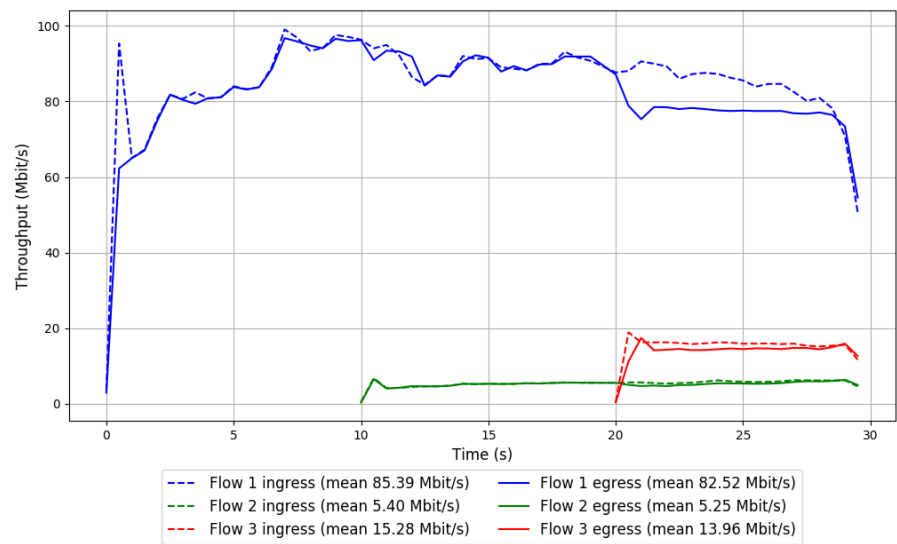


Run 5: Statistics of PCC

Start at: 2018-02-04 23:52:24
End at: 2018-02-04 23:52:54
Local clock offset: 0.411 ms
Remote clock offset: -8.116 ms

Below is generated by plot.py at 2018-02-05 02:41:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 63.605 ms
Loss rate: 3.67%
-- Flow 1:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 62.532 ms
Loss rate: 3.36%
-- Flow 2:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 65.469 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 13.96 Mbit/s
95th percentile per-packet one-way delay: 68.036 ms
Loss rate: 8.63%

Run 5: Report of PCC — Data Link

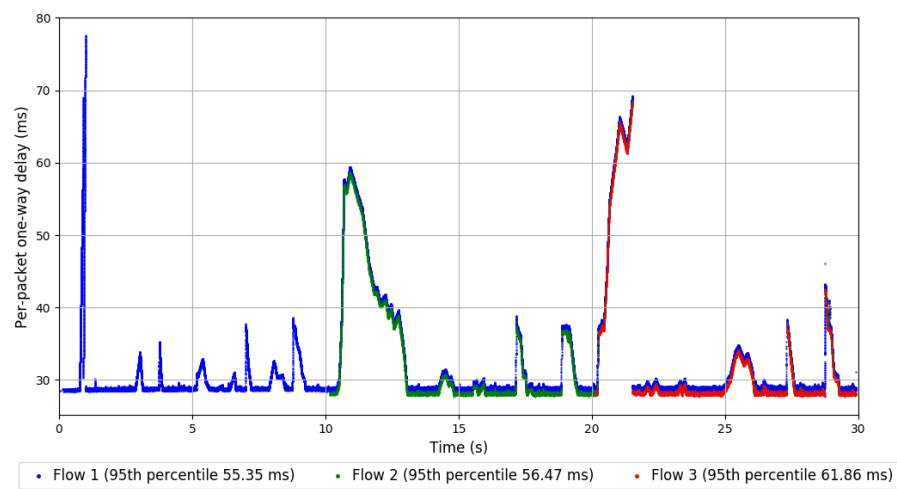
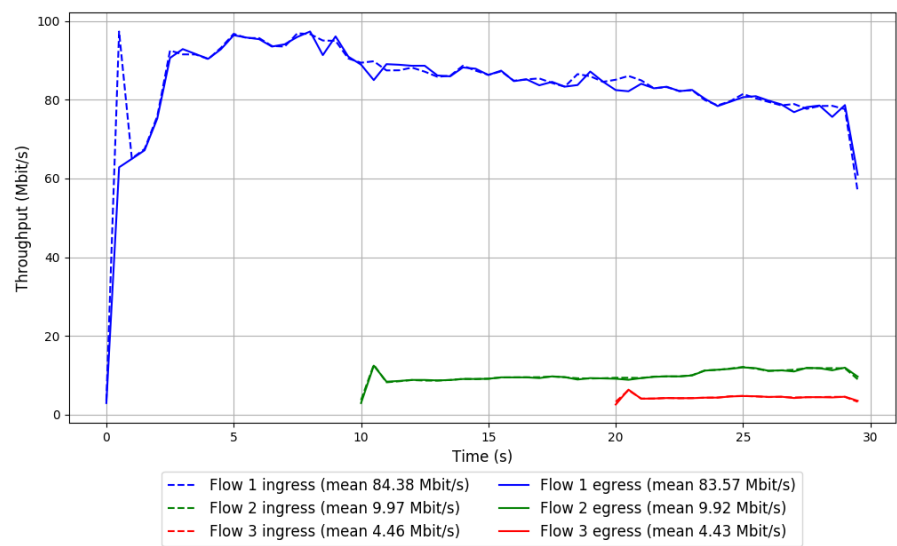


Run 6: Statistics of PCC

Start at: 2018-02-05 00:18:28
End at: 2018-02-05 00:18:58
Local clock offset: 0.636 ms
Remote clock offset: -8.842 ms

Below is generated by plot.py at 2018-02-05 02:41:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 55.631 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 83.57 Mbit/s
95th percentile per-packet one-way delay: 55.352 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 56.468 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 61.857 ms
Loss rate: 0.64%

Run 6: Report of PCC — Data Link

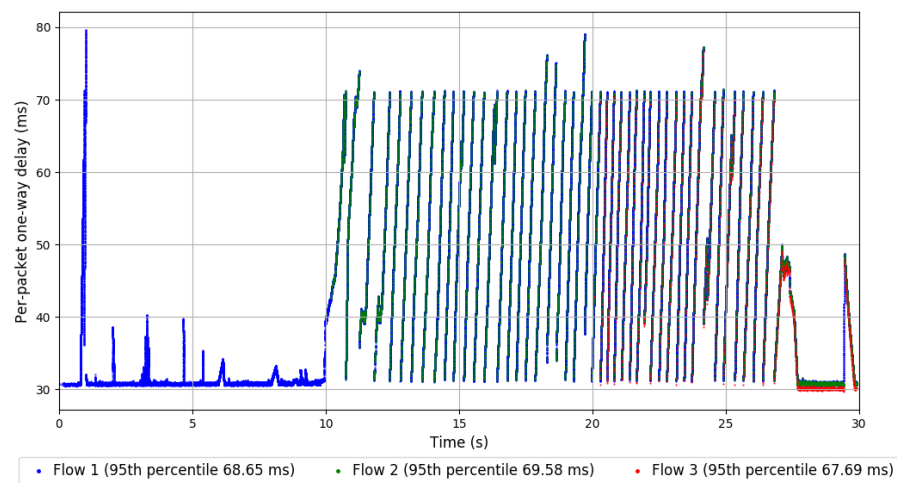
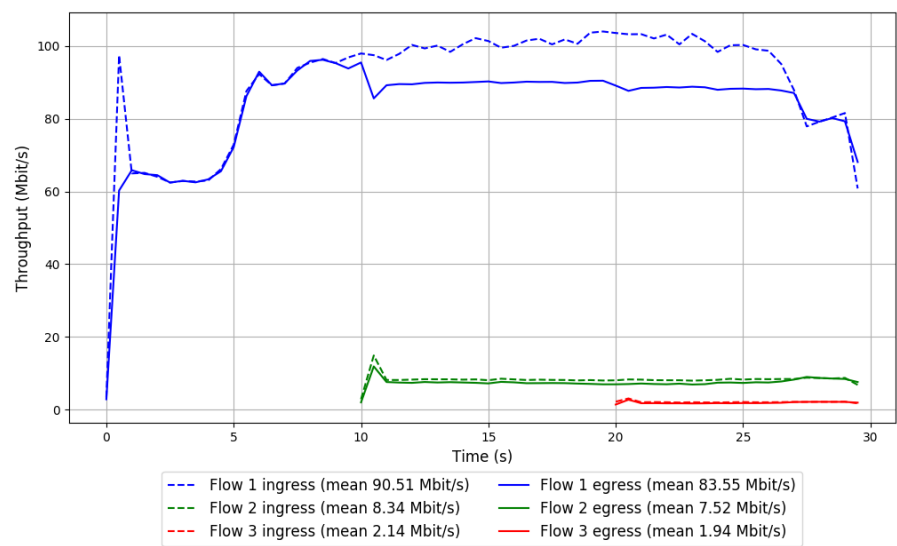


Run 7: Statistics of PCC

Start at: 2018-02-05 00:45:25
End at: 2018-02-05 00:45:55
Local clock offset: 0.892 ms
Remote clock offset: -5.182 ms

Below is generated by plot.py at 2018-02-05 02:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.19 Mbit/s
95th percentile per-packet one-way delay: 68.725 ms
Loss rate: 7.83%
-- Flow 1:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 68.650 ms
Loss rate: 7.69%
-- Flow 2:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 69.578 ms
Loss rate: 9.87%
-- Flow 3:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 67.694 ms
Loss rate: 9.45%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-05 01:12:07

End at: 2018-02-05 01:12:37

Local clock offset: 1.052 ms

Remote clock offset: -6.01 ms

Below is generated by plot.py at 2018-02-05 02:41:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.89 Mbit/s

95th percentile per-packet one-way delay: 63.946 ms

Loss rate: 9.28%

-- Flow 1:

Average throughput: 73.49 Mbit/s

95th percentile per-packet one-way delay: 62.547 ms

Loss rate: 7.39%

-- Flow 2:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 64.959 ms

Loss rate: 10.53%

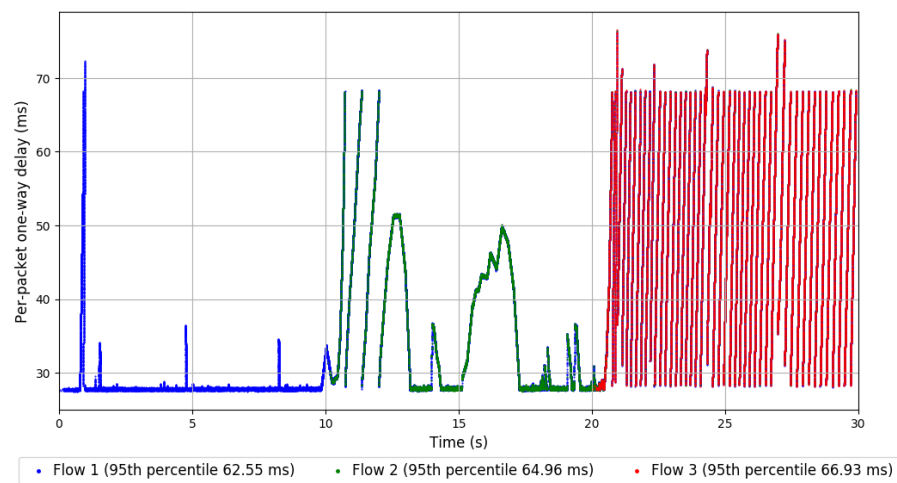
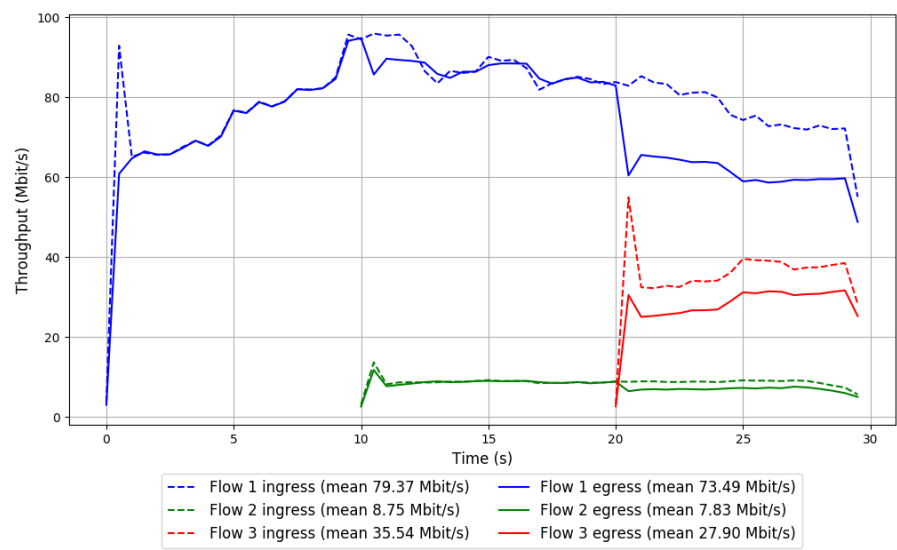
-- Flow 3:

Average throughput: 27.90 Mbit/s

95th percentile per-packet one-way delay: 66.928 ms

Loss rate: 21.44%

Run 8: Report of PCC — Data Link

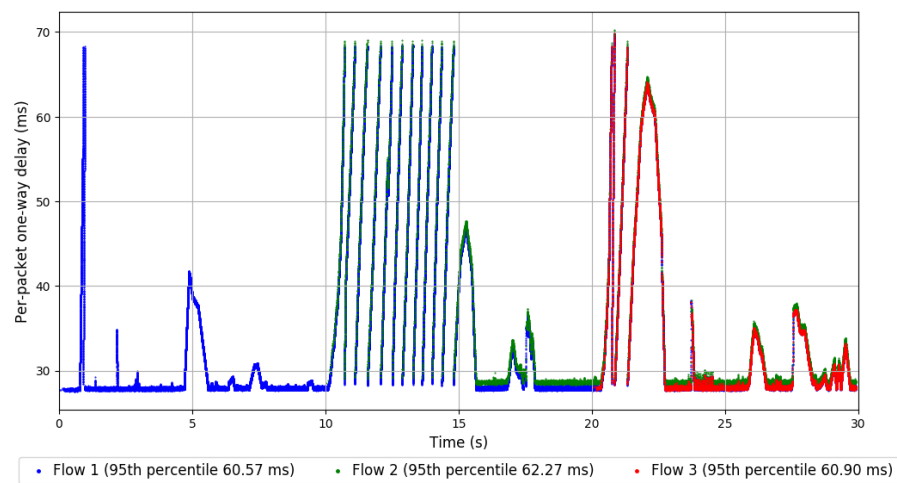
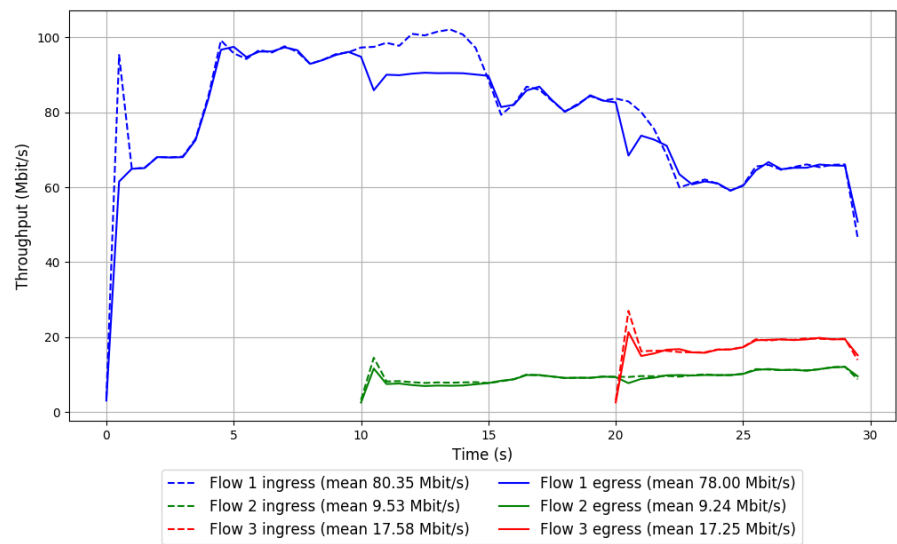


Run 9: Statistics of PCC

Start at: 2018-02-05 01:38:32
End at: 2018-02-05 01:39:02
Local clock offset: 1.287 ms
Remote clock offset: -5.872 ms

Below is generated by plot.py at 2018-02-05 02:41:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 60.746 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 78.00 Mbit/s
95th percentile per-packet one-way delay: 60.569 ms
Loss rate: 2.93%
-- Flow 2:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 62.269 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 60.897 ms
Loss rate: 1.88%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-02-05 02:04:56

End at: 2018-02-05 02:05:26

Local clock offset: 1.158 ms

Remote clock offset: -6.02 ms

Below is generated by plot.py at 2018-02-05 02:41:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 54.473 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 75.52 Mbit/s

95th percentile per-packet one-way delay: 53.725 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 4.94 Mbit/s

95th percentile per-packet one-way delay: 56.730 ms

Loss rate: 0.33%

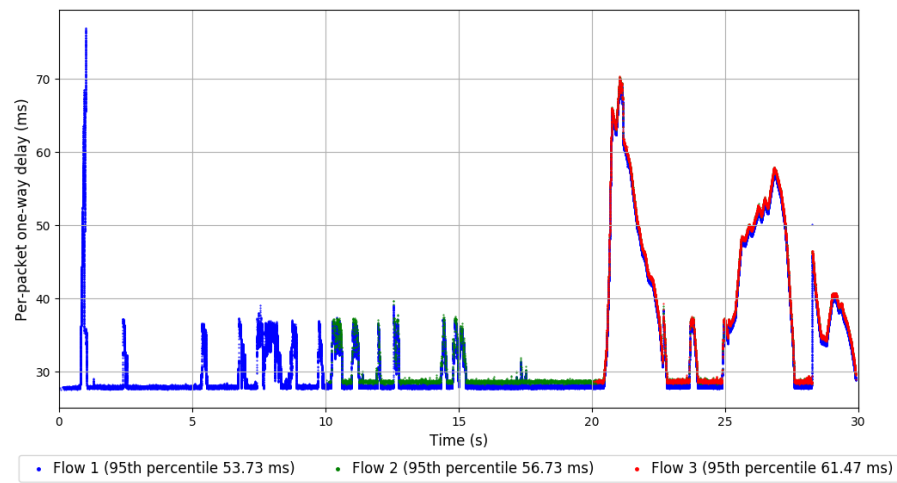
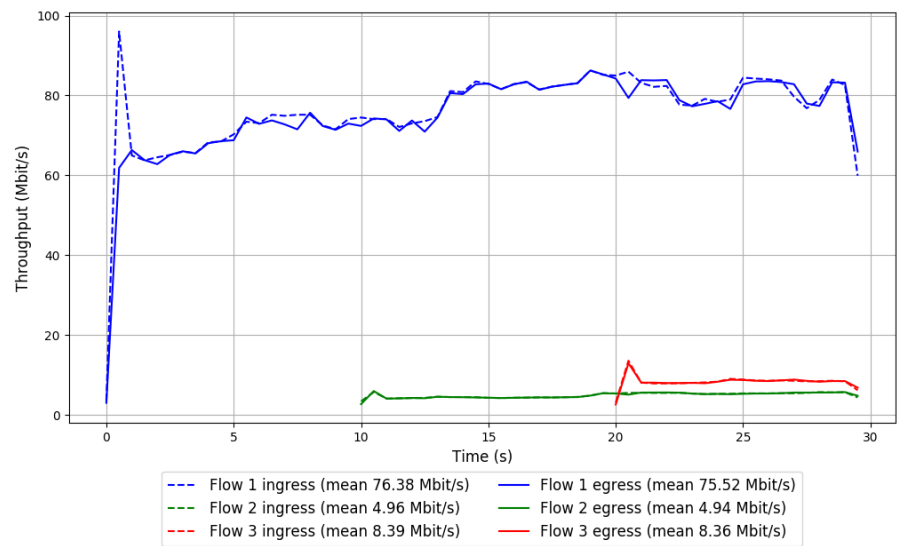
-- Flow 3:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 61.472 ms

Loss rate: 0.35%

Run 10: Report of PCC — Data Link

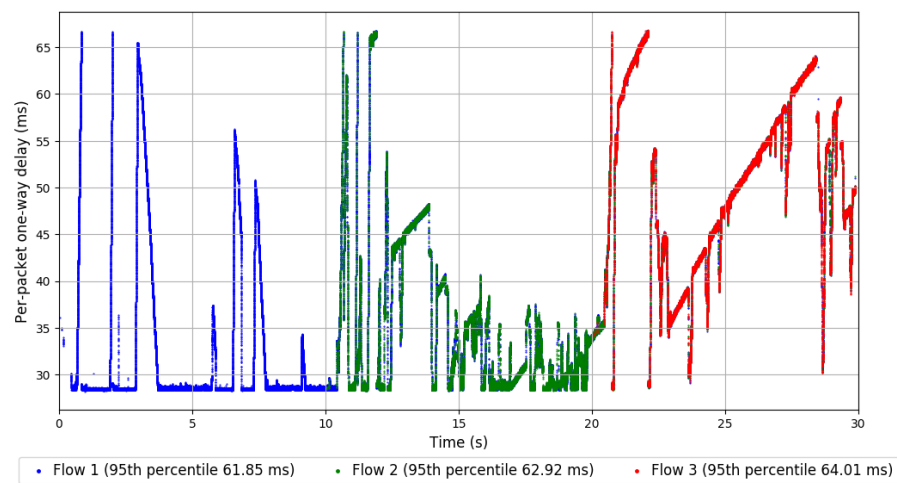
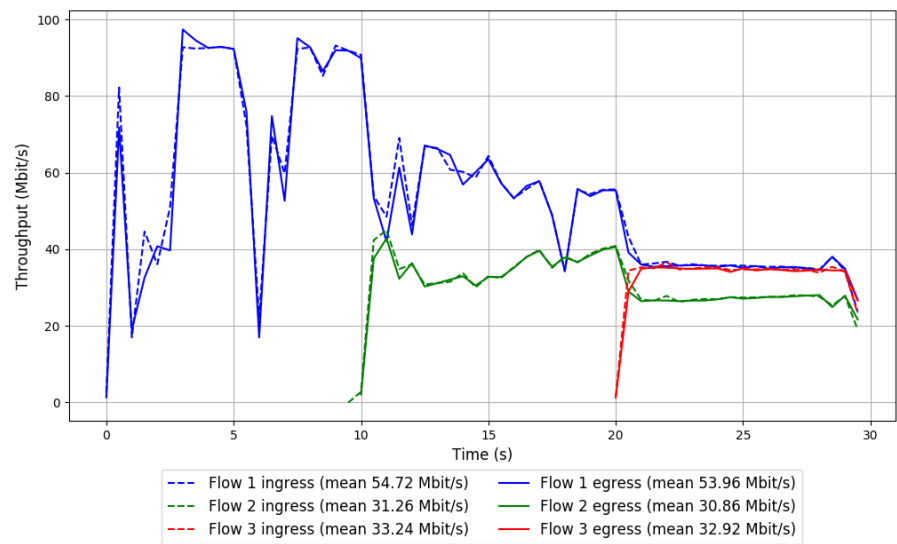


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-04 22:00:47
End at: 2018-02-04 22:01:17
Local clock offset: 0.044 ms
Remote clock offset: -8.534 ms

Below is generated by plot.py at 2018-02-05 02:42:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 62.790 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 53.96 Mbit/s
95th percentile per-packet one-way delay: 61.853 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 62.920 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 32.92 Mbit/s
95th percentile per-packet one-way delay: 64.014 ms
Loss rate: 0.81%

Run 1: Report of QUIC Cubic — Data Link

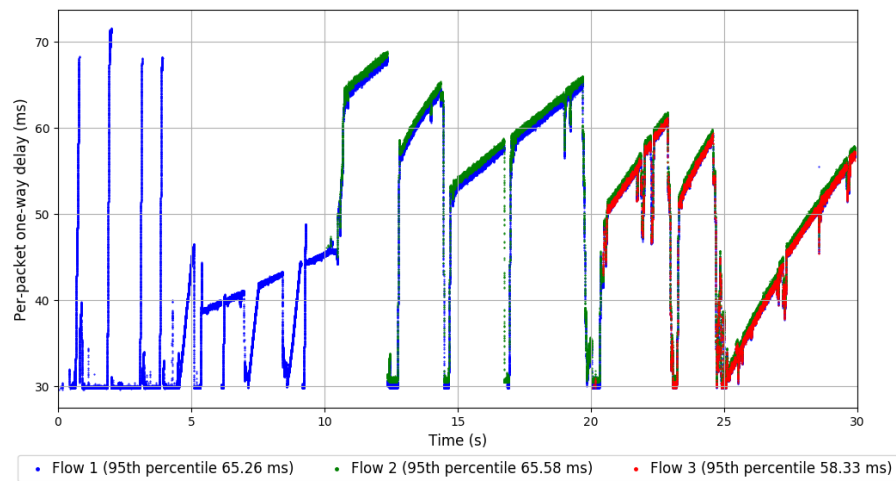
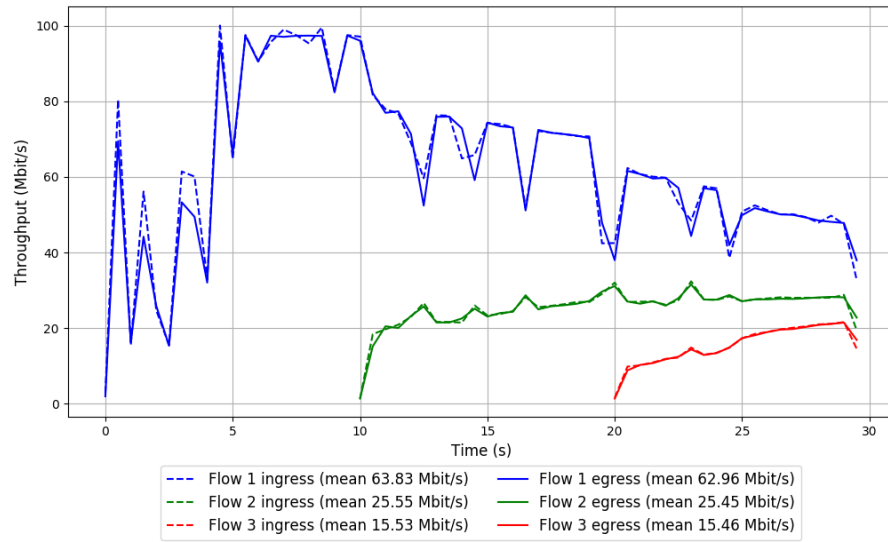


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-04 22:26:21
End at: 2018-02-04 22:26:51
Local clock offset: -0.281 ms
Remote clock offset: -6.928 ms

Below is generated by plot.py at 2018-02-05 02:42:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 65.223 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 62.96 Mbit/s
95th percentile per-packet one-way delay: 65.258 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 25.45 Mbit/s
95th percentile per-packet one-way delay: 65.577 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 58.326 ms
Loss rate: 0.19%

Run 2: Report of QUIC Cubic — Data Link

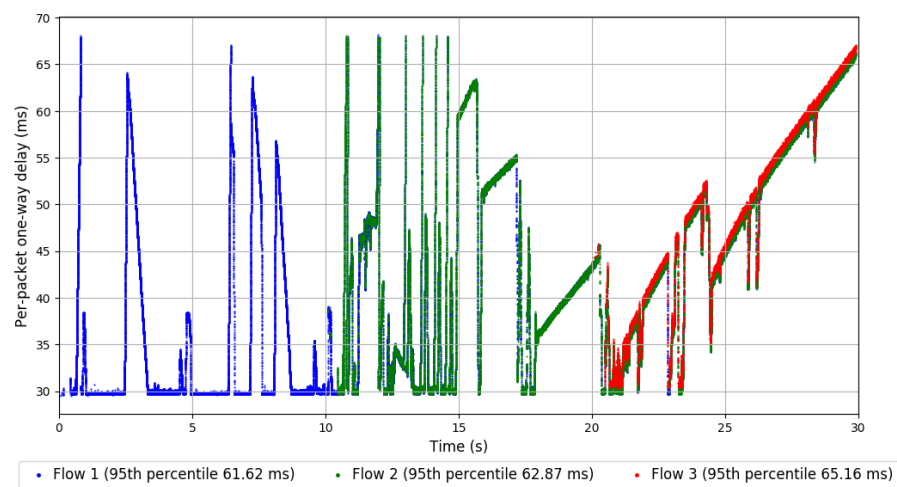
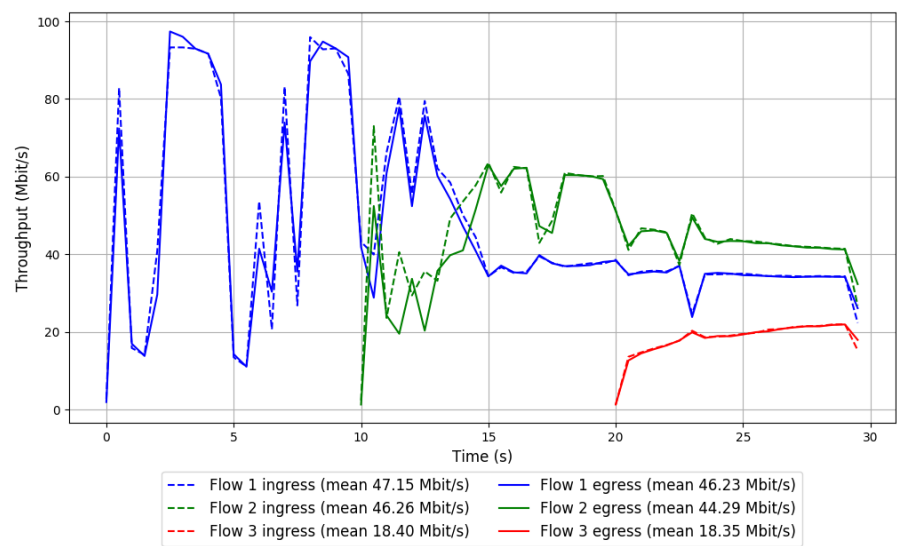


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-04 22:52:17
End at: 2018-02-04 22:52:47
Local clock offset: -0.298 ms
Remote clock offset: -7.982 ms

Below is generated by plot.py at 2018-02-05 02:42:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.70 Mbit/s
95th percentile per-packet one-way delay: 62.620 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 61.615 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 44.29 Mbit/s
95th percentile per-packet one-way delay: 62.868 ms
Loss rate: 4.07%
-- Flow 3:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 65.161 ms
Loss rate: 0.06%

Run 3: Report of QUIC Cubic — Data Link

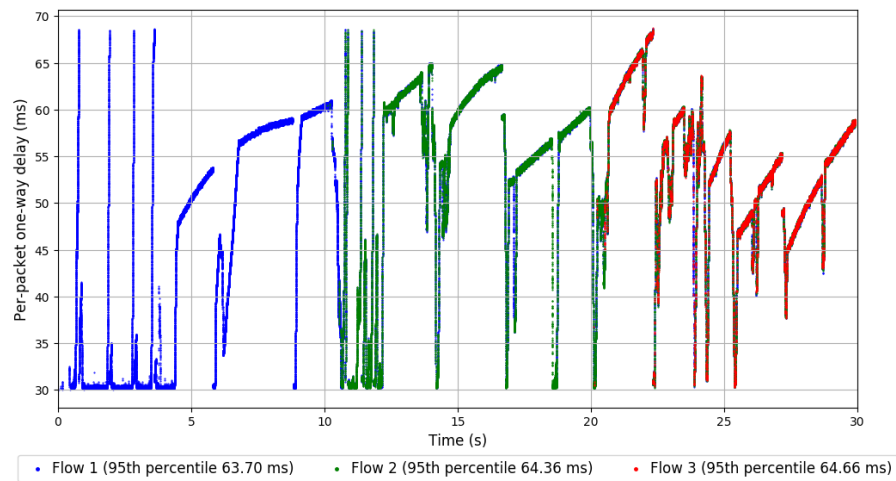
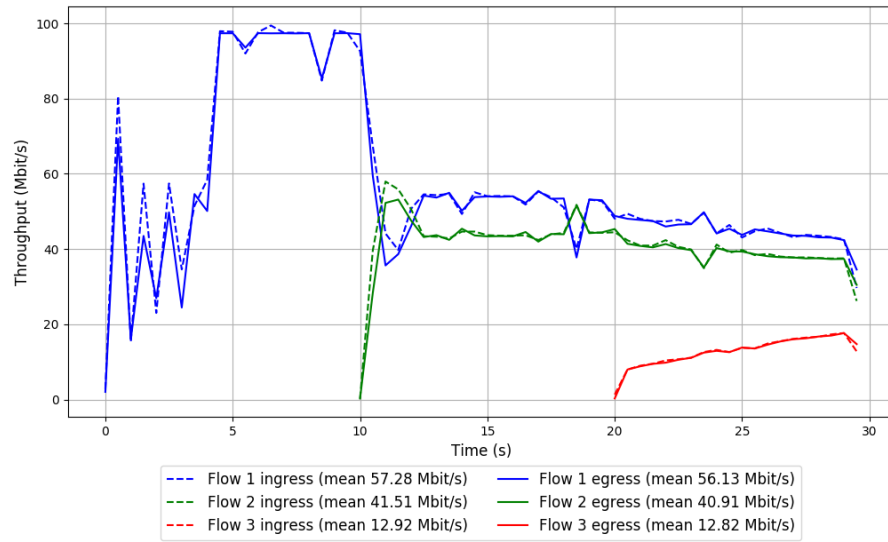


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-04 23:18:37
End at: 2018-02-04 23:19:07
Local clock offset: -0.149 ms
Remote clock offset: -8.678 ms

Below is generated by plot.py at 2018-02-05 02:42:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 63.993 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 56.13 Mbit/s
95th percentile per-packet one-way delay: 63.696 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 64.355 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 64.659 ms
Loss rate: 0.54%

Run 4: Report of QUIC Cubic — Data Link

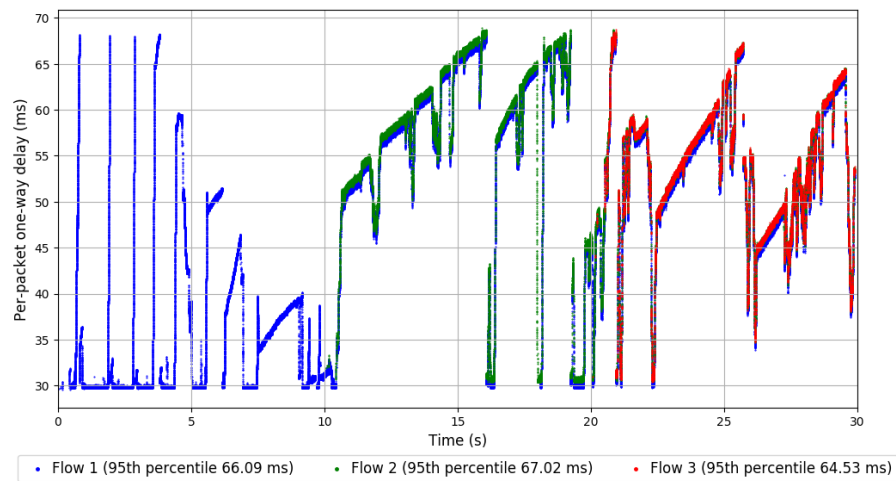
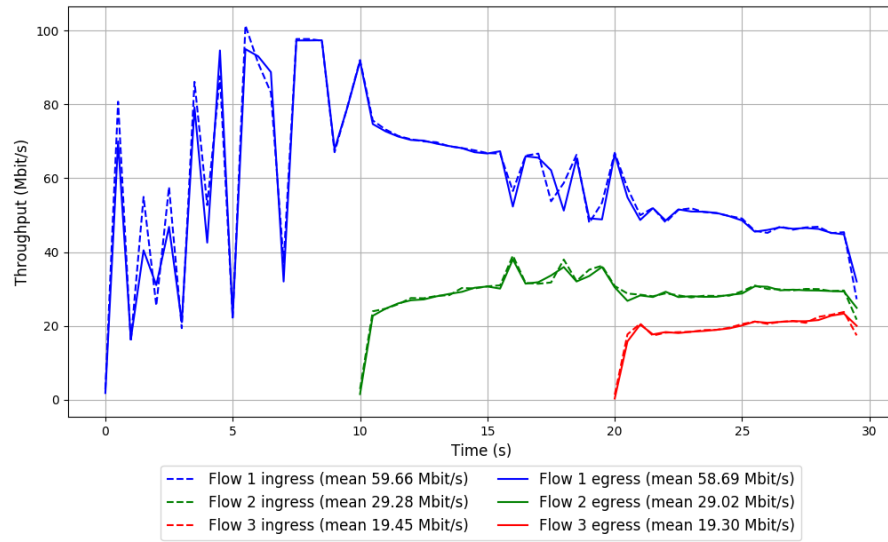


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-04 23:45:01
End at: 2018-02-04 23:45:31
Local clock offset: 0.297 ms
Remote clock offset: -8.524 ms

Below is generated by plot.py at 2018-02-05 02:42:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 66.362 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 66.095 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 29.02 Mbit/s
95th percentile per-packet one-way delay: 67.022 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 19.30 Mbit/s
95th percentile per-packet one-way delay: 64.527 ms
Loss rate: 0.56%

Run 5: Report of QUIC Cubic — Data Link

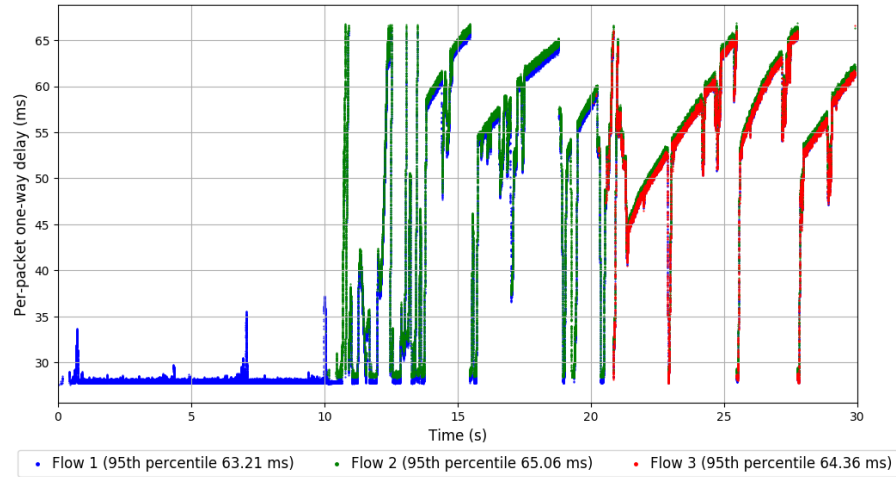
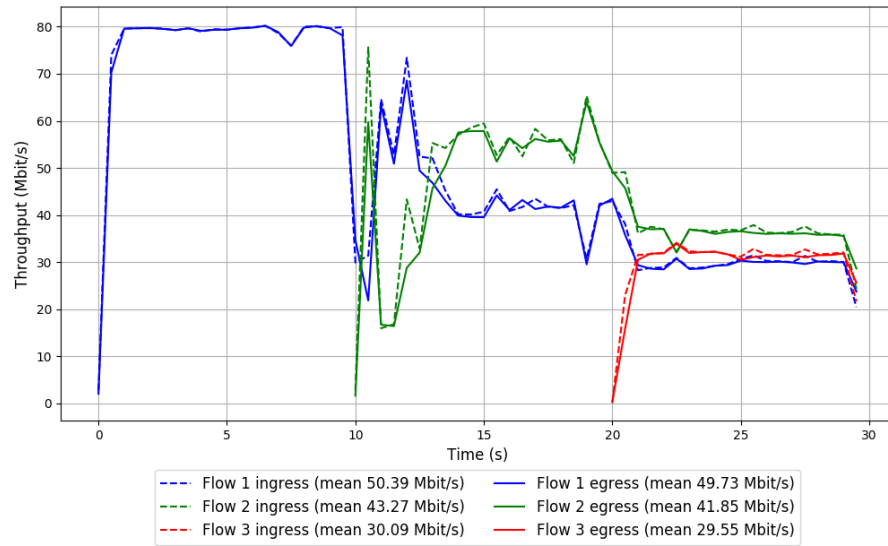


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-05 00:11:11
End at: 2018-02-05 00:11:41
Local clock offset: 0.557 ms
Remote clock offset: -9.248 ms

Below is generated by plot.py at 2018-02-05 02:42:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.24 Mbit/s
95th percentile per-packet one-way delay: 64.254 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 63.206 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 65.063 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 64.358 ms
Loss rate: 1.71%

Run 6: Report of QUIC Cubic — Data Link

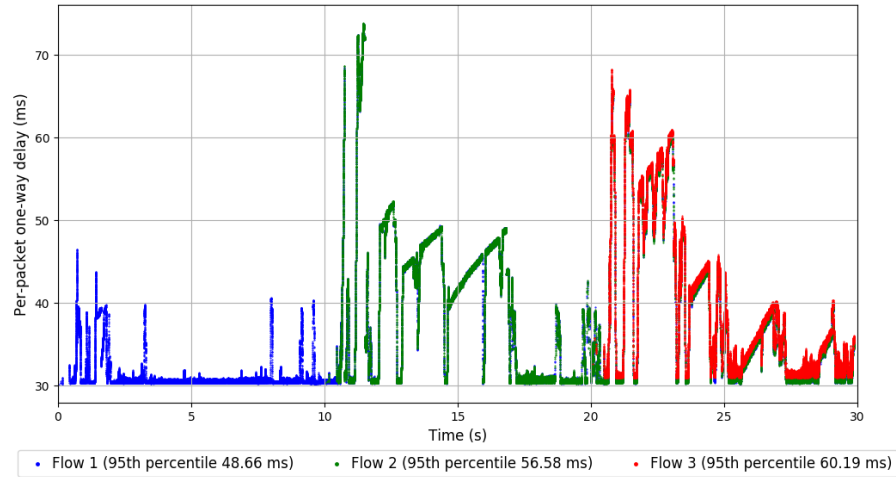
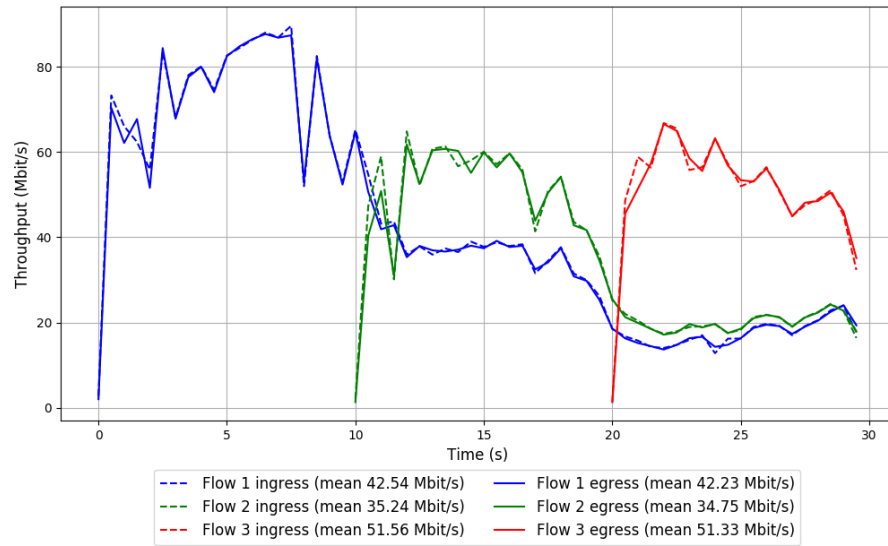


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-05 00:37:41
End at: 2018-02-05 00:38:11
Local clock offset: 0.941 ms
Remote clock offset: -5.302 ms

Below is generated by plot.py at 2018-02-05 02:43:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.21 Mbit/s
95th percentile per-packet one-way delay: 56.232 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 48.661 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 34.75 Mbit/s
95th percentile per-packet one-way delay: 56.575 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 60.191 ms
Loss rate: 0.42%

Run 7: Report of QUIC Cubic — Data Link

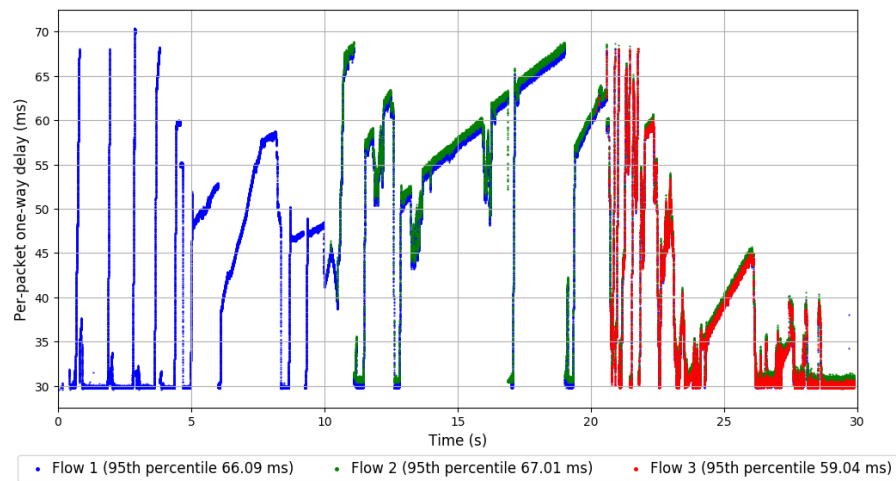
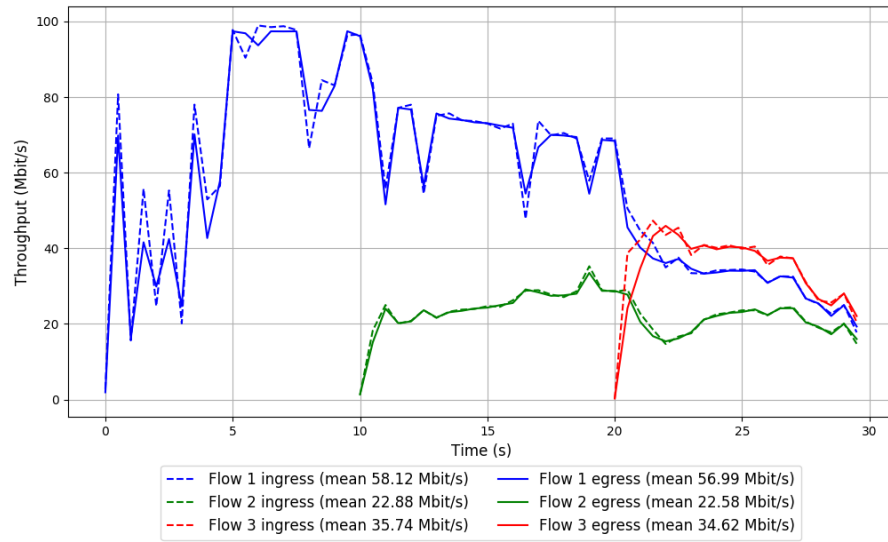


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-05 01:04:38
End at: 2018-02-05 01:05:08
Local clock offset: 1.066 ms
Remote clock offset: -4.016 ms

Below is generated by plot.py at 2018-02-05 02:43:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.30 Mbit/s
95th percentile per-packet one-way delay: 65.999 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 56.99 Mbit/s
95th percentile per-packet one-way delay: 66.095 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 67.009 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 59.043 ms
Loss rate: 3.43%

Run 8: Report of QUIC Cubic — Data Link

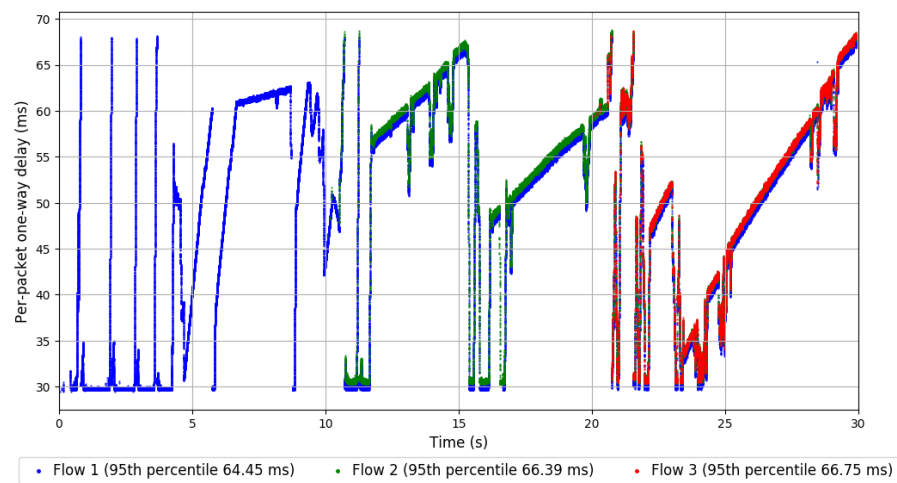
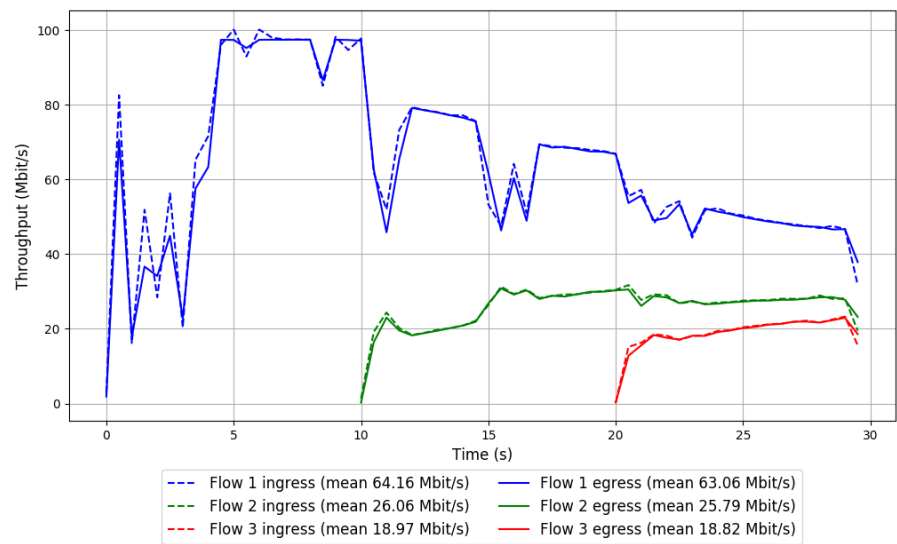


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-05 01:31:19
End at: 2018-02-05 01:31:49
Local clock offset: 1.315 ms
Remote clock offset: -3.725 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 65.423 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 64.448 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 25.79 Mbit/s
95th percentile per-packet one-way delay: 66.386 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 18.82 Mbit/s
95th percentile per-packet one-way delay: 66.745 ms
Loss rate: 0.69%

Run 9: Report of QUIC Cubic — Data Link

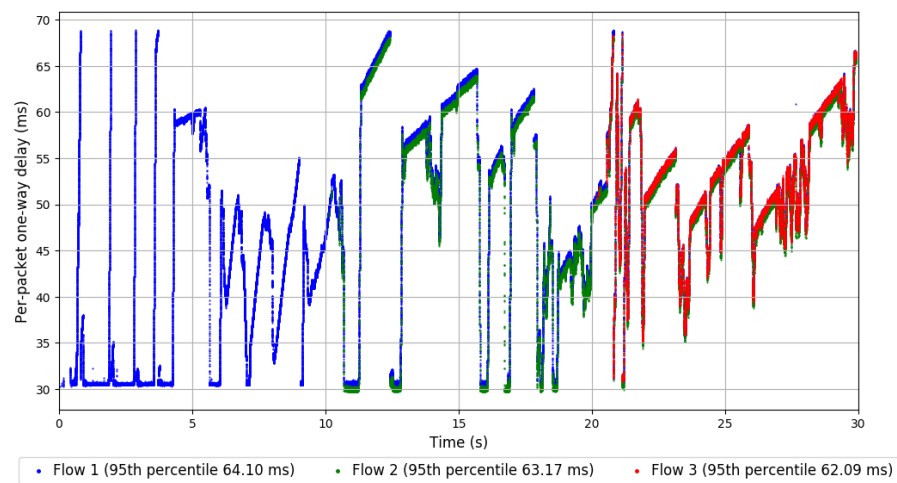
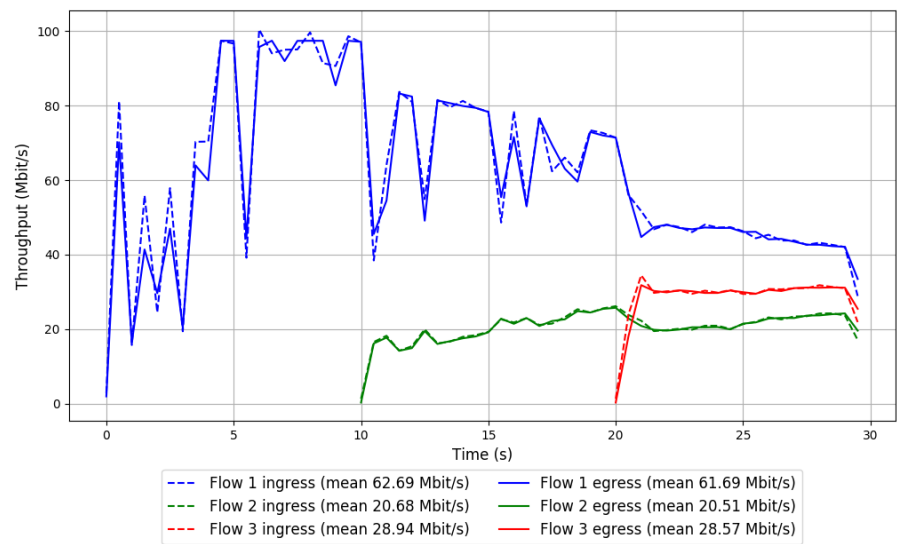


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-05 01:57:34
End at: 2018-02-05 01:58:04
Local clock offset: 1.256 ms
Remote clock offset: -3.789 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 63.770 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 61.69 Mbit/s
95th percentile per-packet one-way delay: 64.101 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 20.51 Mbit/s
95th percentile per-packet one-way delay: 63.173 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 62.093 ms
Loss rate: 1.14%

Run 10: Report of QUIC Cubic — Data Link

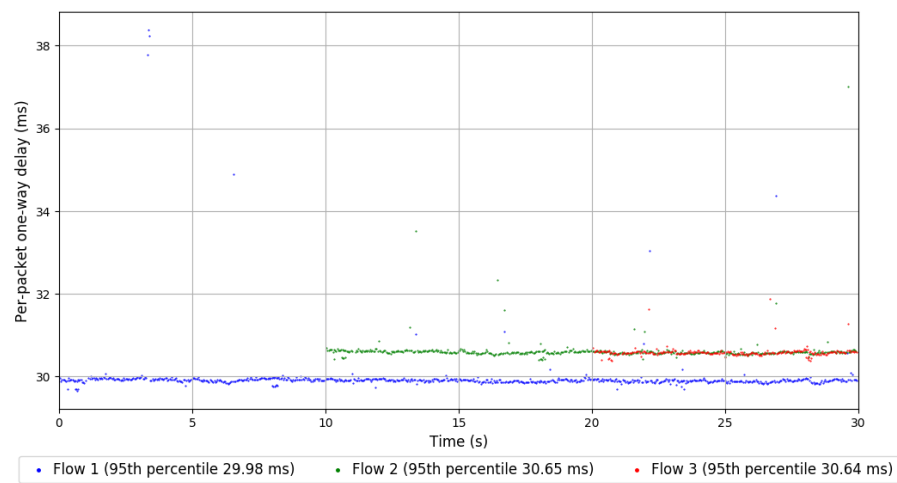
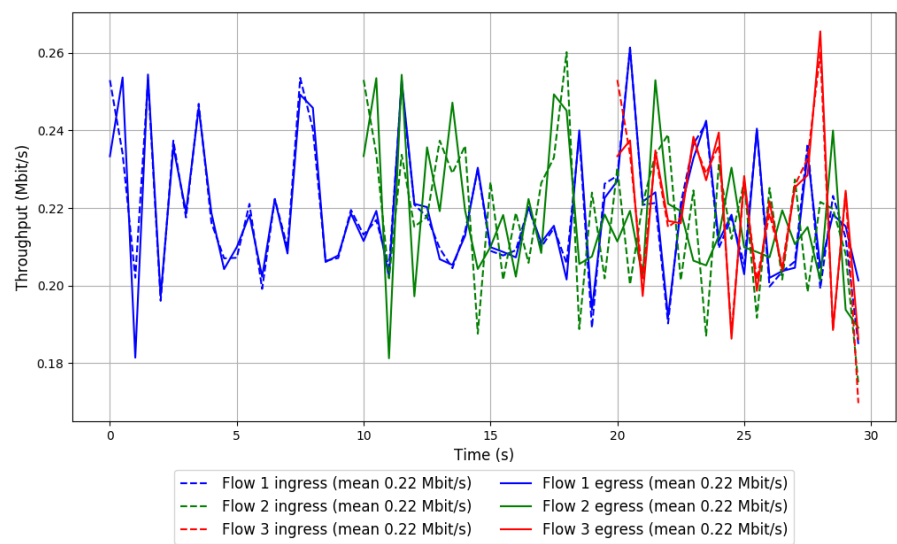


```
Run 1: Statistics of SReAM

Start at: 2018-02-04 22:05:12
End at: 2018-02-04 22:05:42
Local clock offset: -0.042 ms
Remote clock offset: -6.442 ms

# Below is generated by plot.py at 2018-02-05 02:43:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.977 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.649 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.638 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

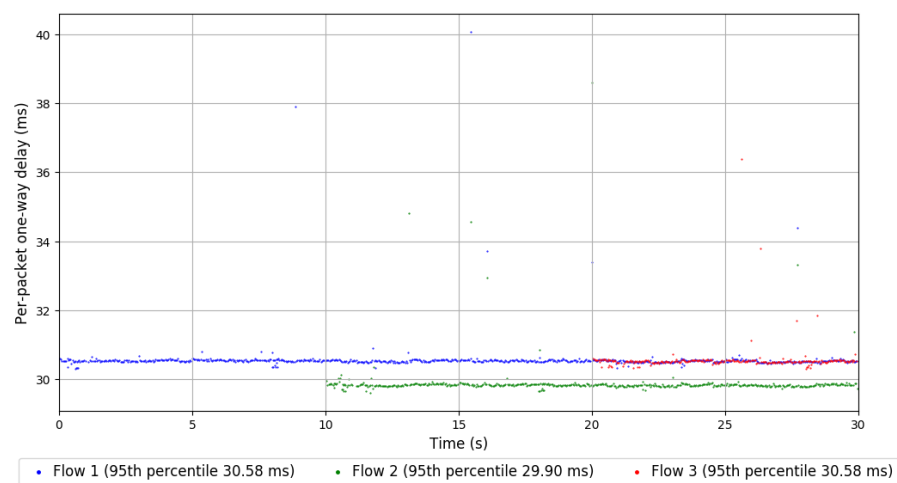
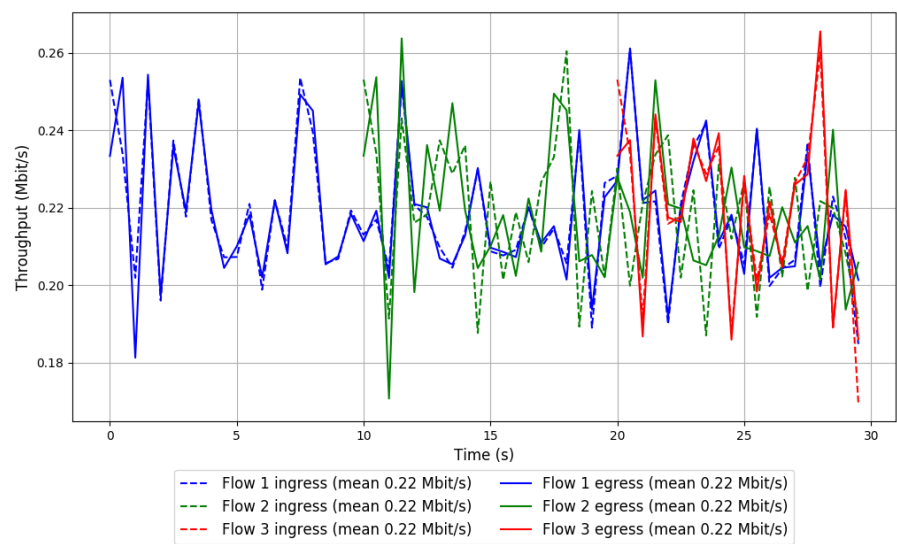


Run 2: Statistics of SReAM

Start at: 2018-02-04 22:30:34
End at: 2018-02-04 22:31:04
Local clock offset: -0.299 ms
Remote clock offset: -7.126 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.584 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.899 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.578 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

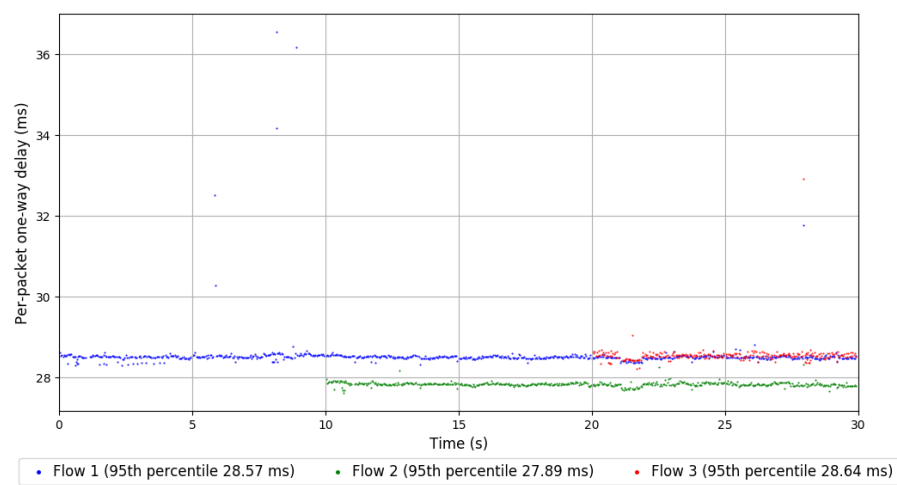
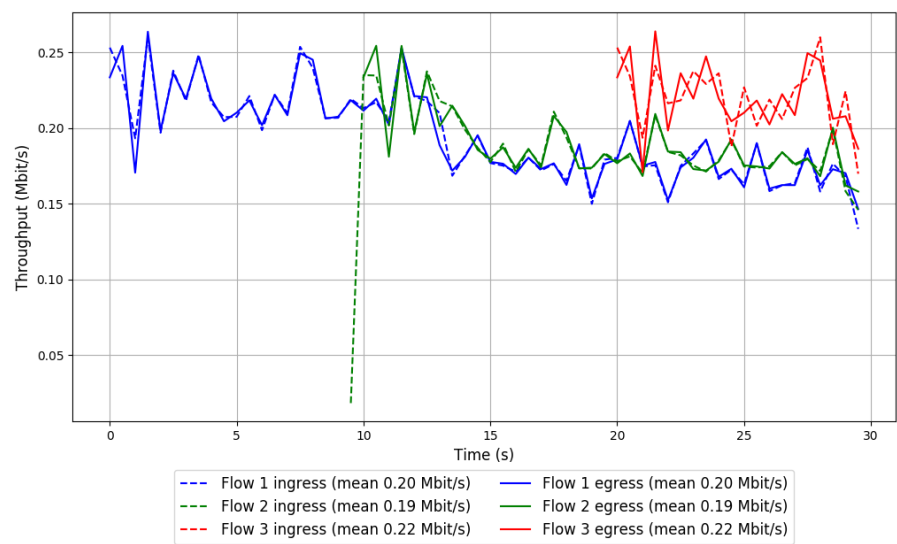


Run 3: Statistics of SReAM

Start at: 2018-02-04 22:56:39
End at: 2018-02-04 22:57:09
Local clock offset: -0.376 ms
Remote clock offset: -10.272 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 28.590 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 28.571 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 27.889 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.635 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

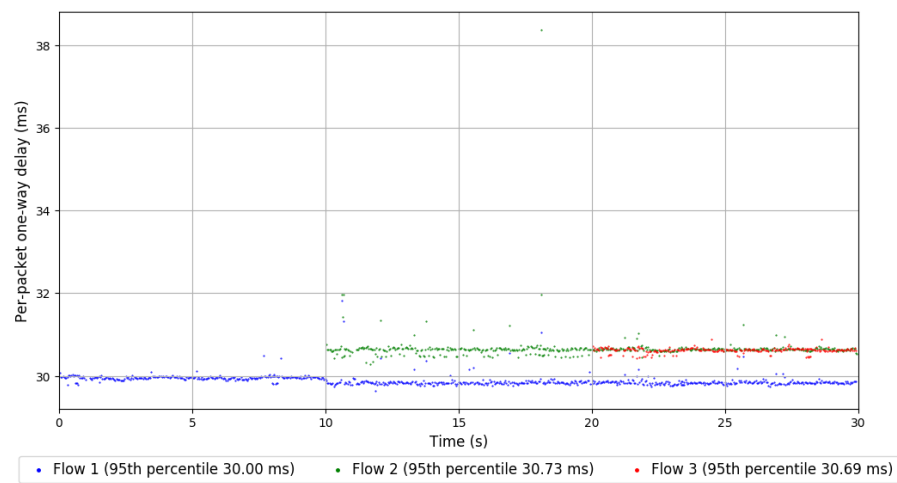
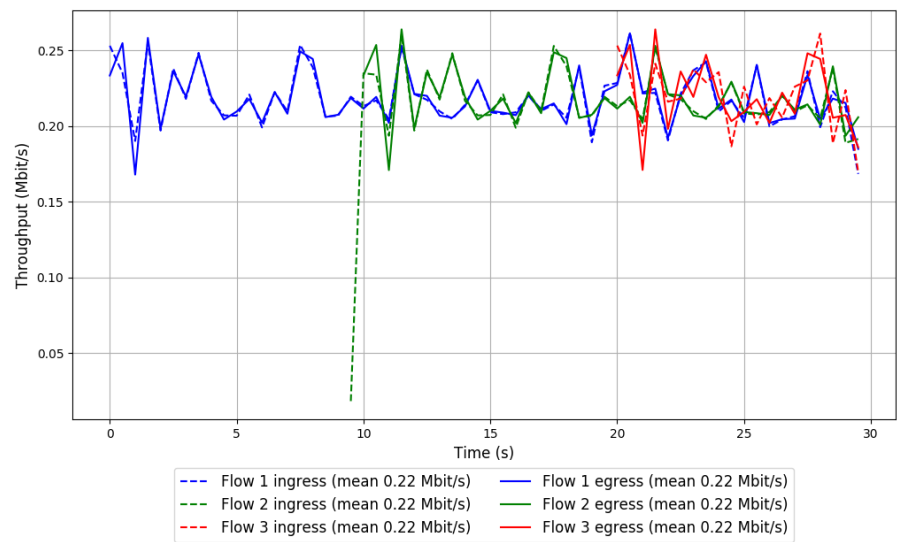


Run 4: Statistics of SReAM

Start at: 2018-02-04 23:23:03
End at: 2018-02-04 23:23:33
Local clock offset: -0.175 ms
Remote clock offset: -9.254 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.004 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.729 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.692 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

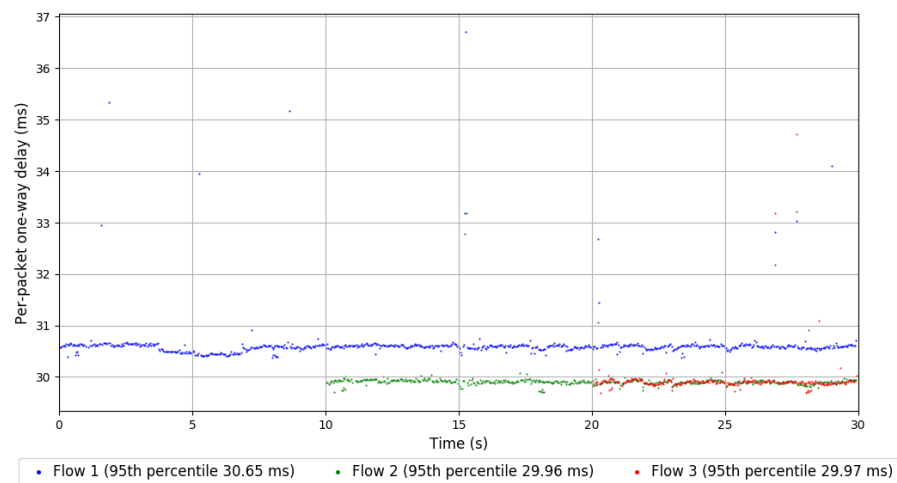
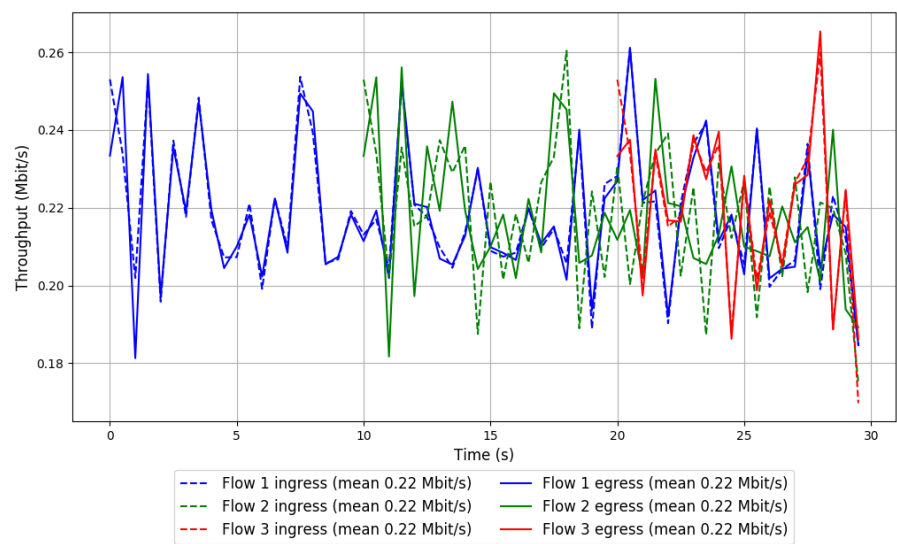


Run 5: Statistics of SReAM

Start at: 2018-02-04 23:49:32
End at: 2018-02-04 23:50:02
Local clock offset: 0.279 ms
Remote clock offset: -8.371 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.639 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.652 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.965 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.966 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

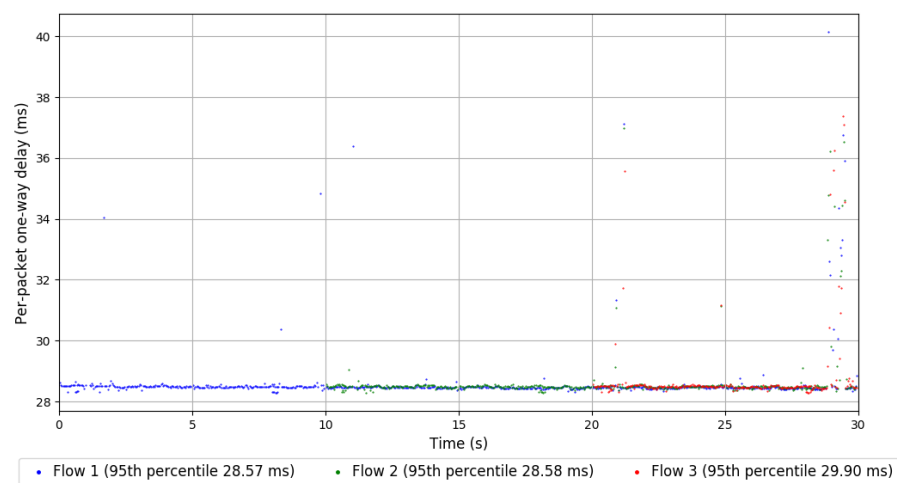
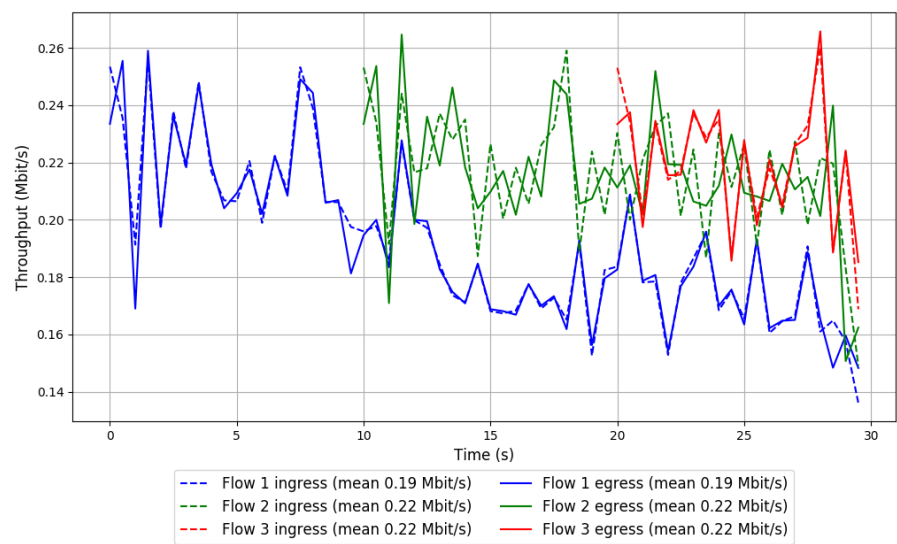


Run 6: Statistics of SReAM

Start at: 2018-02-05 00:15:36
End at: 2018-02-05 00:16:06
Local clock offset: 0.6 ms
Remote clock offset: -9.132 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 28.596 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 28.574 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.577 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.902 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

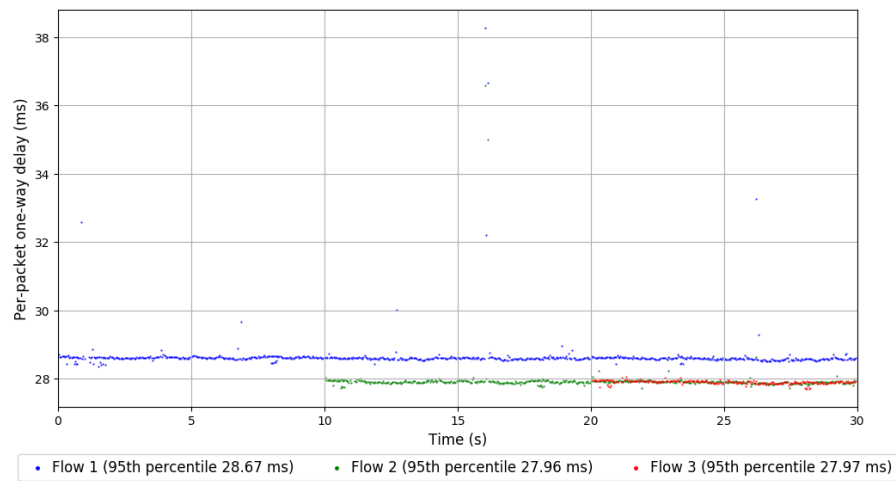
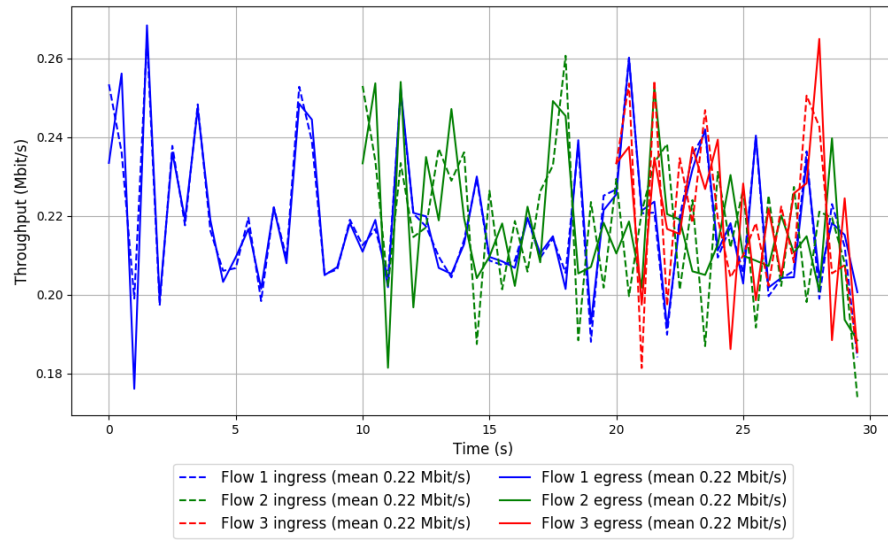


Run 7: Statistics of SReAM

Start at: 2018-02-05 00:42:31
End at: 2018-02-05 00:43:01
Local clock offset: 0.882 ms
Remote clock offset: -7.518 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.968 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

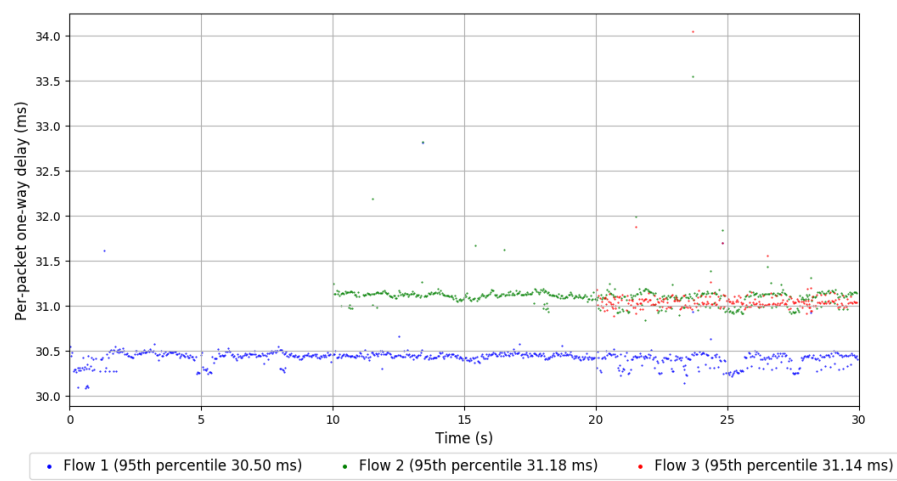
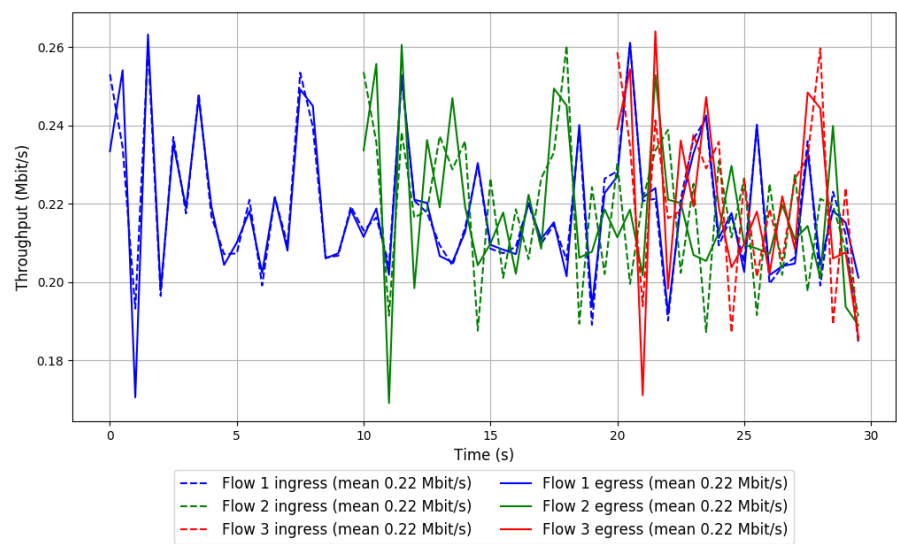


Run 8: Statistics of SReAM

Start at: 2018-02-05 01:09:09
End at: 2018-02-05 01:09:39
Local clock offset: 1.103 ms
Remote clock offset: -3.355 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.154 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.145 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

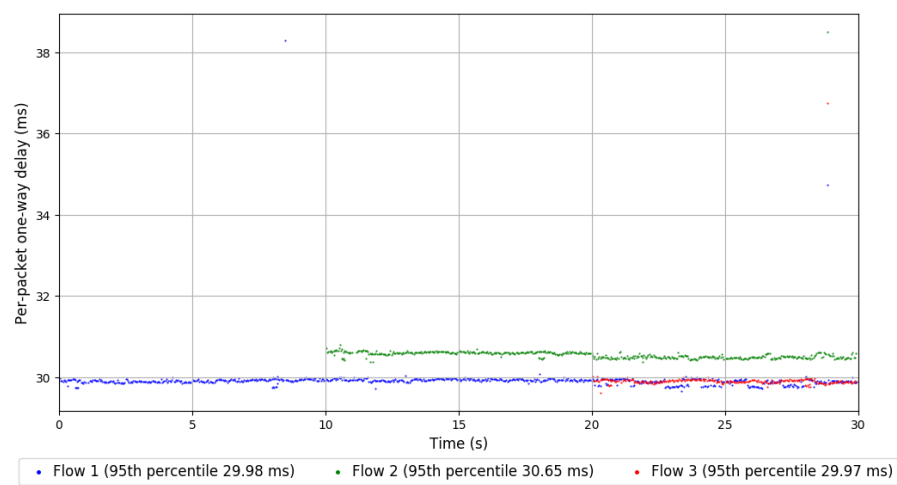
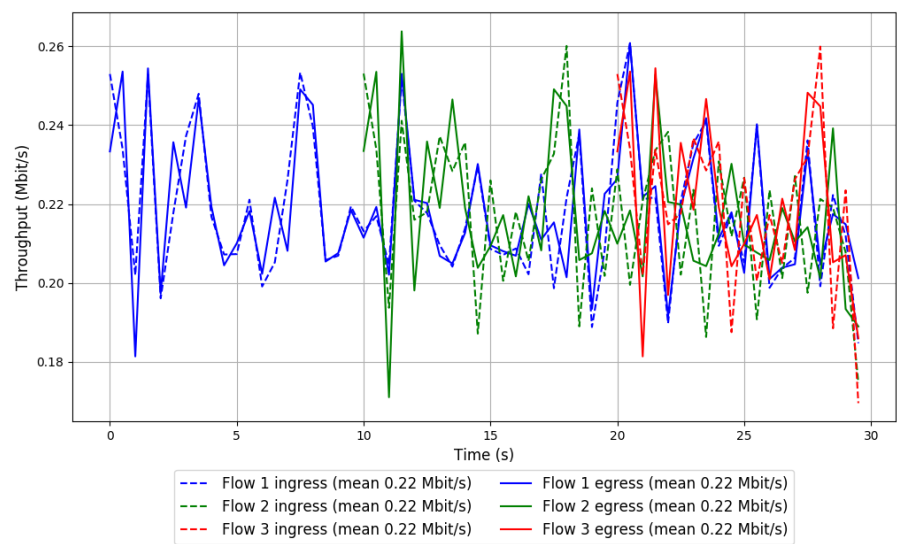


Run 9: Statistics of SReAM

Start at: 2018-02-05 01:35:43
End at: 2018-02-05 01:36:13
Local clock offset: 1.313 ms
Remote clock offset: -3.713 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.981 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.648 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.966 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

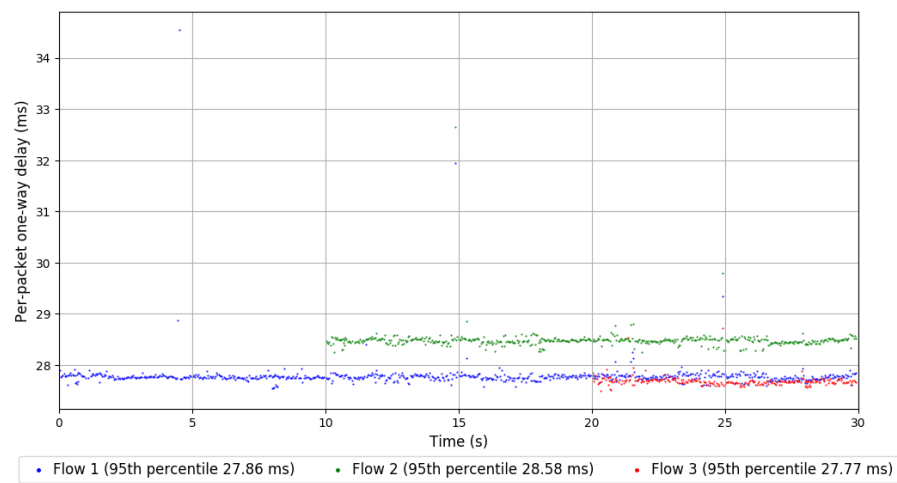
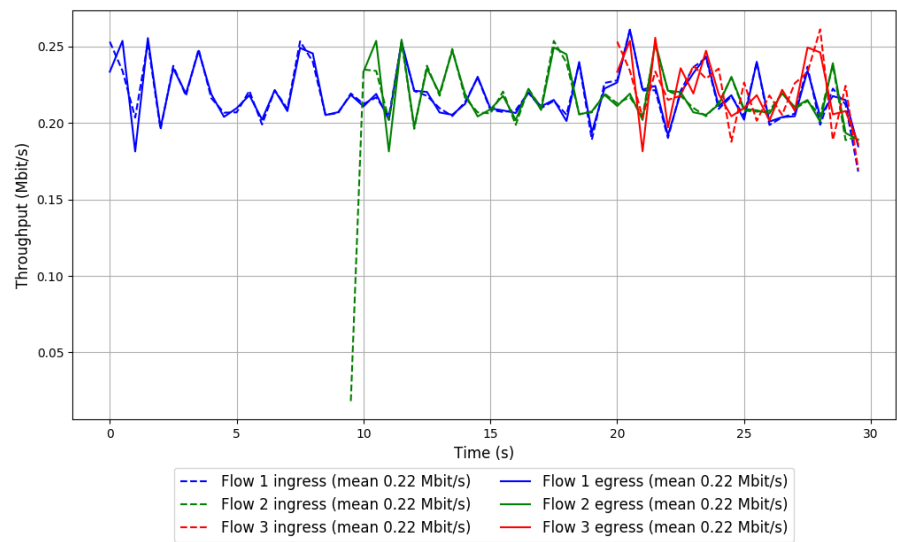


Run 10: Statistics of SCReAM

Start at: 2018-02-05 02:02:05
End at: 2018-02-05 02:02:35
Local clock offset: 1.243 ms
Remote clock offset: -5.981 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.529 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.856 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.579 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.772 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

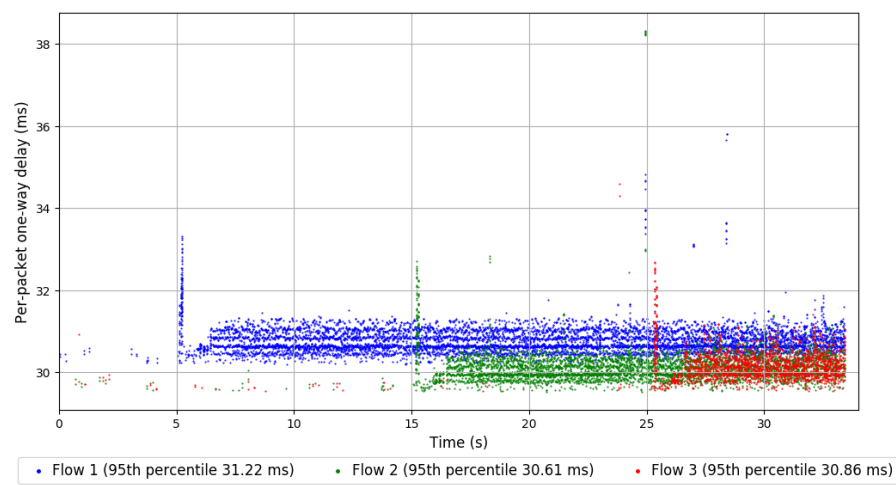
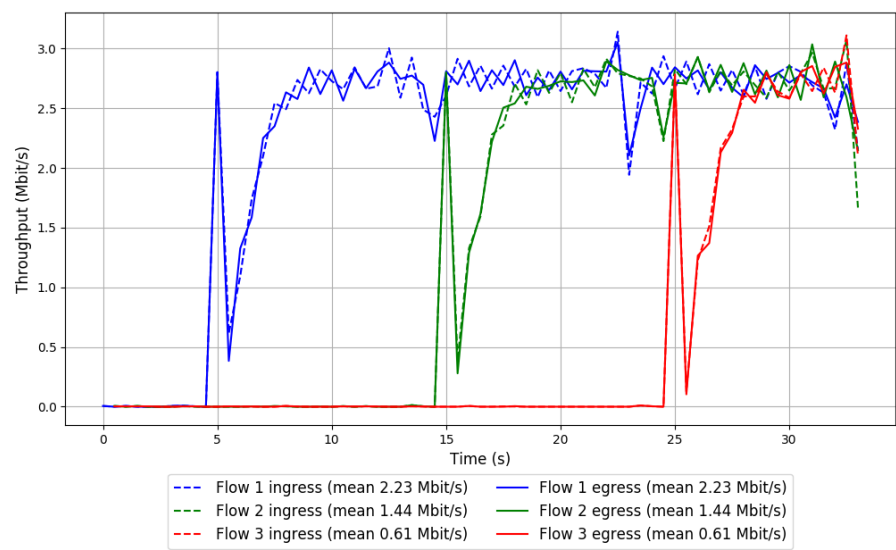


Run 1: Statistics of WebRTC media

Start at: 2018-02-04 22:10:44
End at: 2018-02-04 22:11:14
Local clock offset: -0.085 ms
Remote clock offset: -6.491 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 31.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 30.862 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

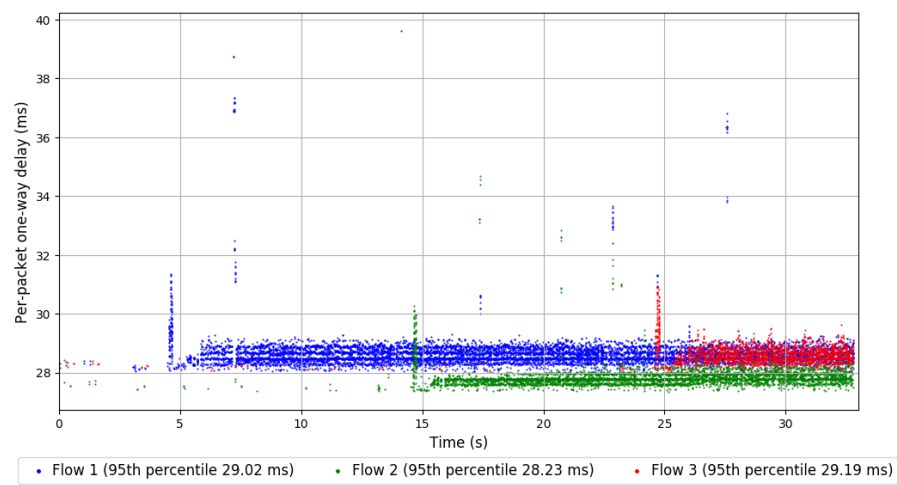
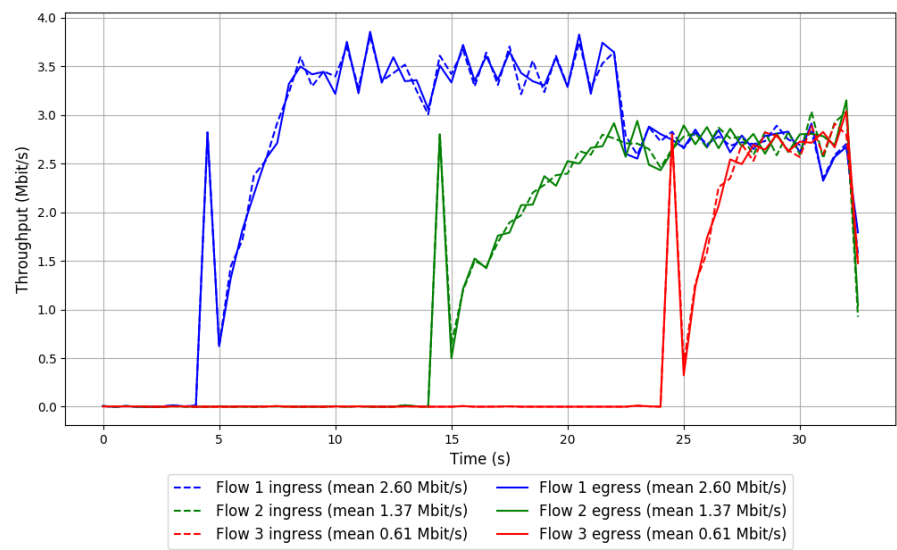


Run 2: Statistics of WebRTC media

Start at: 2018-02-04 22:36:16
End at: 2018-02-04 22:36:46
Local clock offset: -0.309 ms
Remote clock offset: -9.409 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 29.002 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 29.025 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 28.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 29.191 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

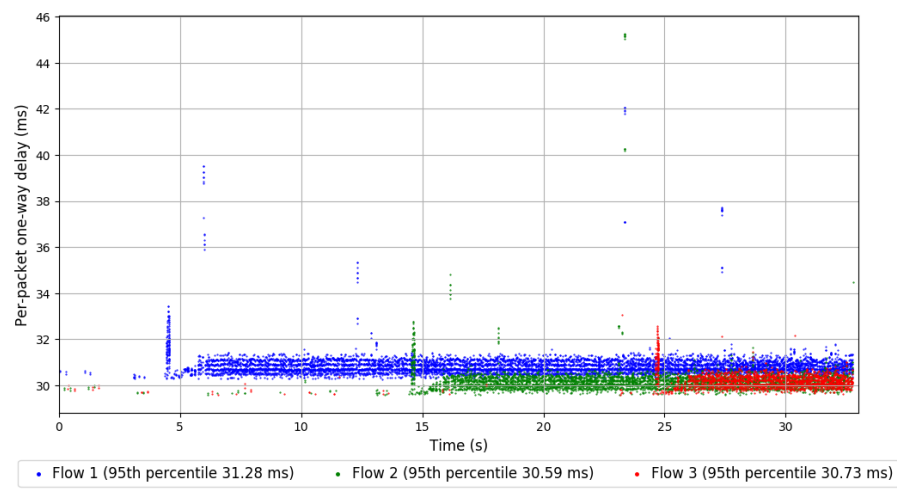
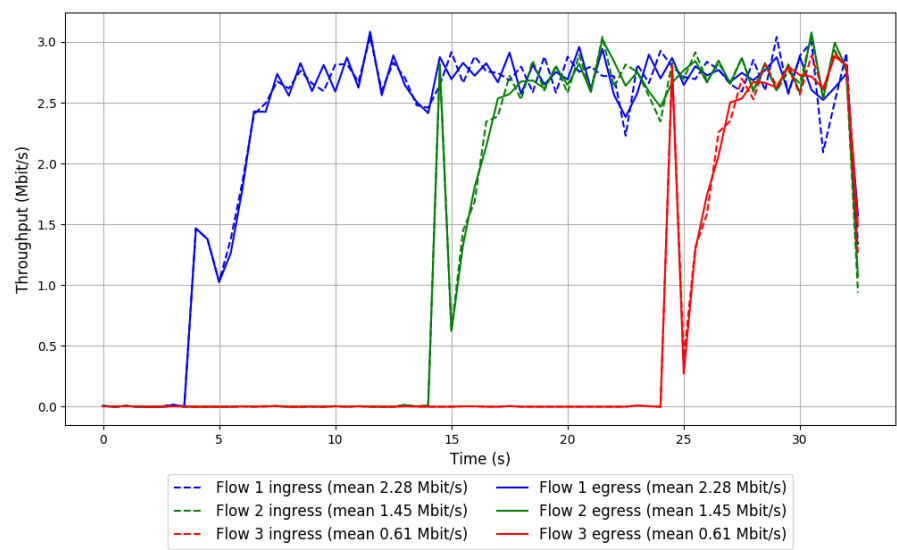


Run 3: Statistics of WebRTC media

Start at: 2018-02-04 23:02:26
End at: 2018-02-04 23:02:56
Local clock offset: -0.411 ms
Remote clock offset: -8.472 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 31.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 31.279 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 30.586 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 30.732 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

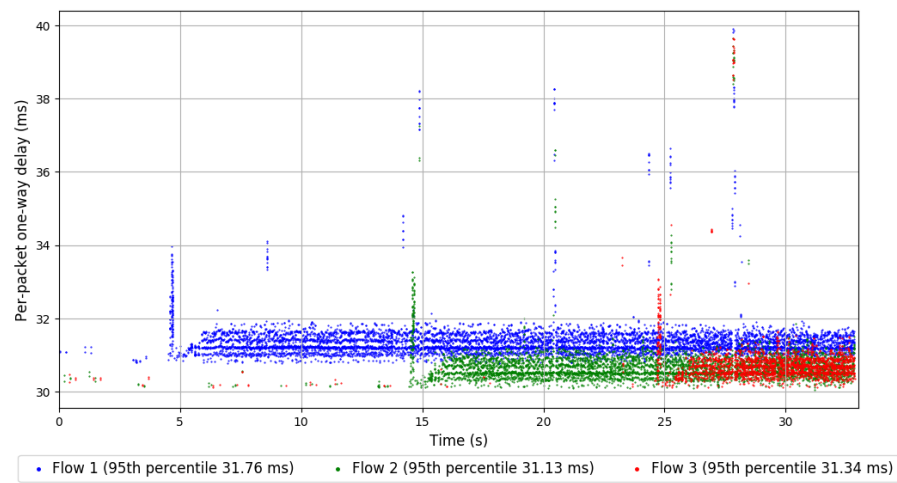
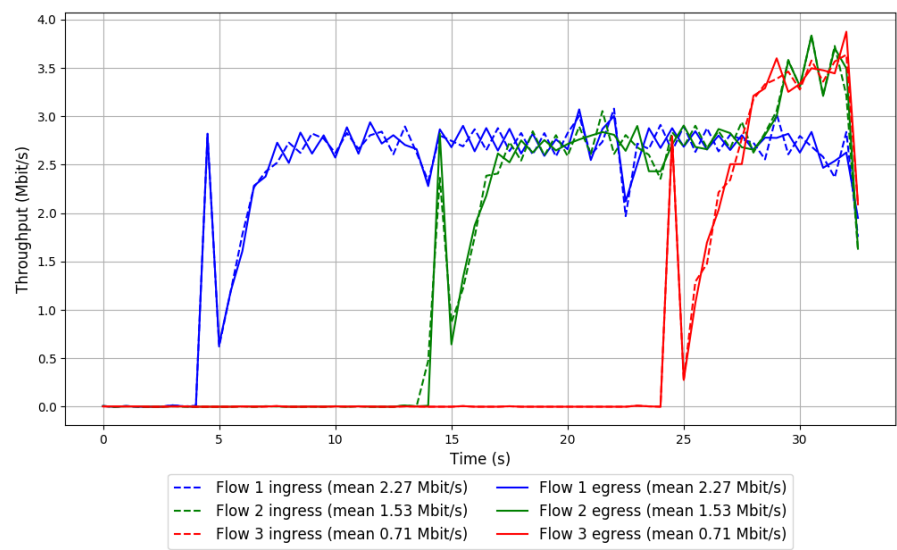


Run 4: Statistics of WebRTC media

Start at: 2018-02-04 23:28:46
End at: 2018-02-04 23:29:16
Local clock offset: -0.083 ms
Remote clock offset: -8.734 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 31.666 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.759 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 31.128 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 31.338 ms
Loss rate: 0.16%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-04 23:55:24

End at: 2018-02-04 23:55:54

Local clock offset: 0.425 ms

Remote clock offset: -8.02 ms

Below is generated by plot.py at 2018-02-05 02:43:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 30.710 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 30.691 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 30.738 ms

Loss rate: 0.00%

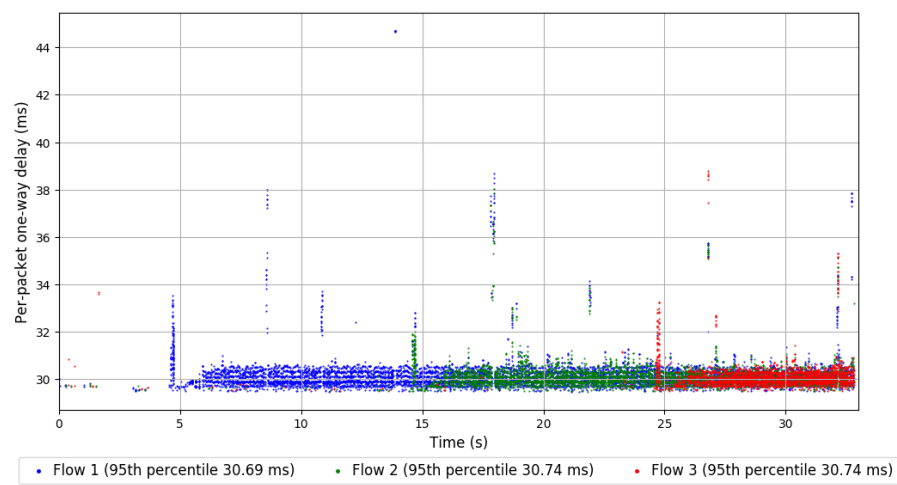
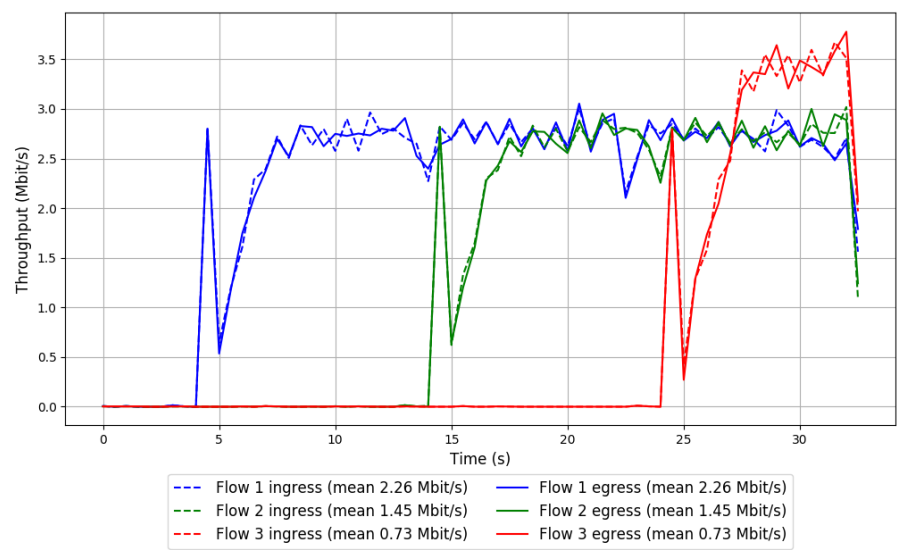
-- Flow 3:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 30.741 ms

Loss rate: 0.12%

Run 5: Report of WebRTC media — Data Link

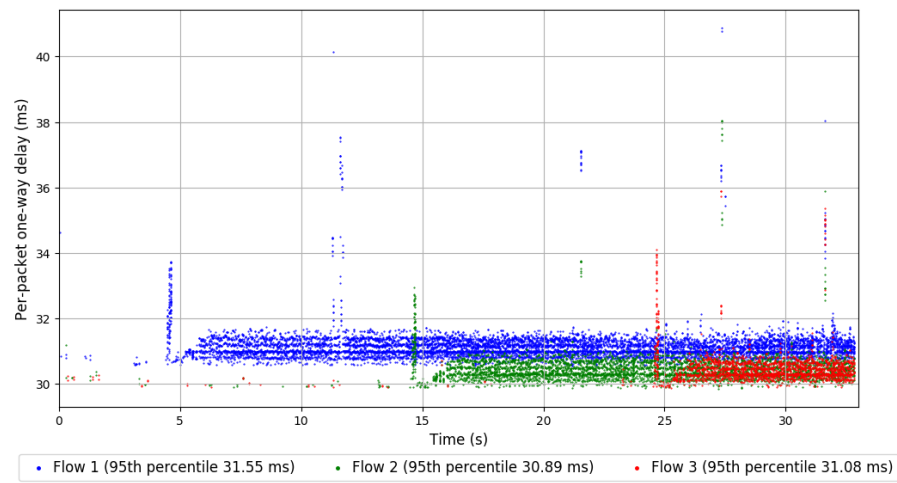
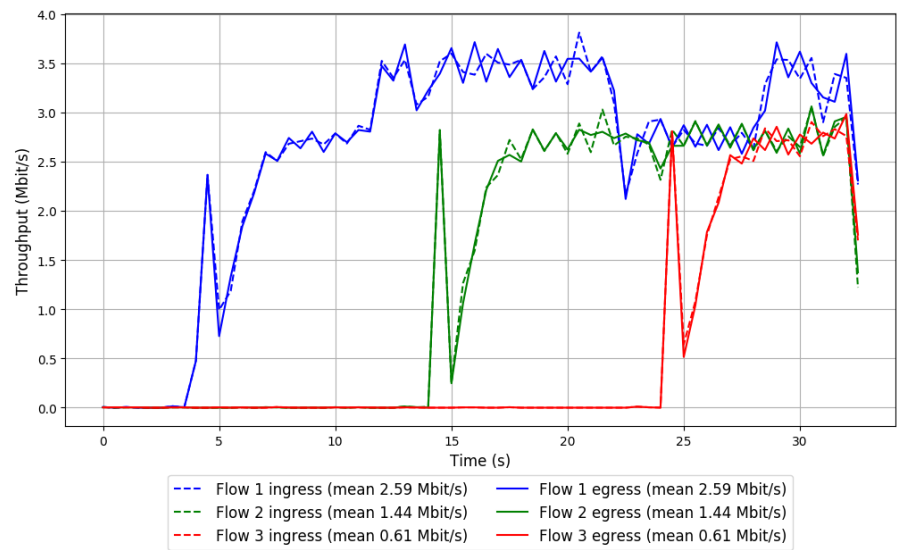


Run 6: Statistics of WebRTC media

Start at: 2018-02-05 00:21:20
End at: 2018-02-05 00:21:50
Local clock offset: 0.728 ms
Remote clock offset: -6.382 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 31.475 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 31.550 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 31.079 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

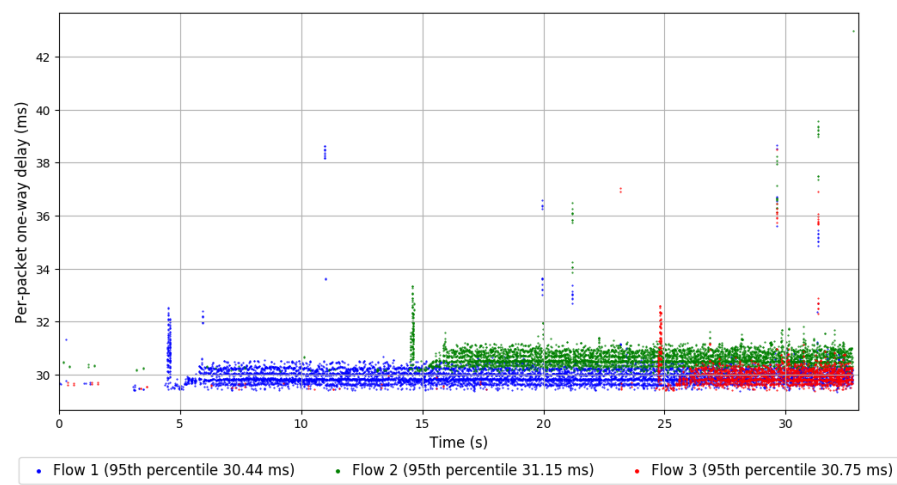
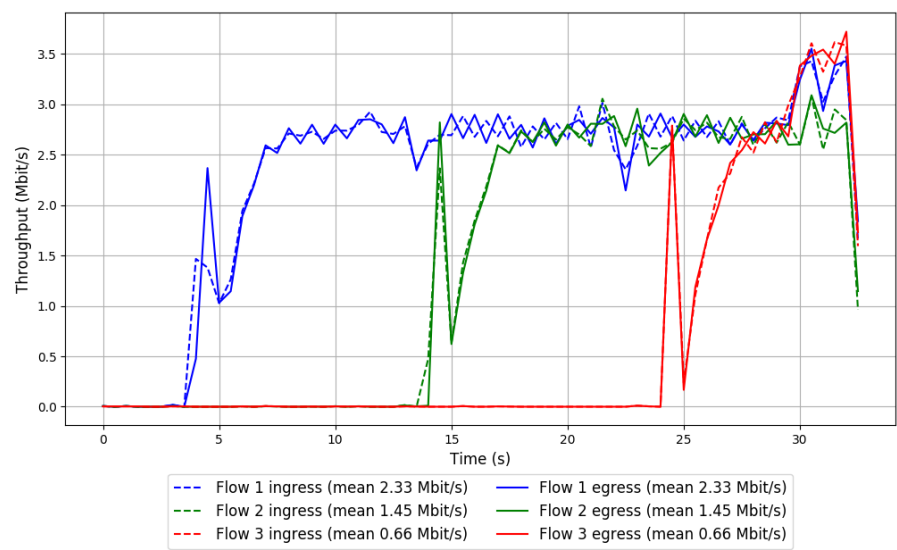


Run 7: Statistics of WebRTC media

Start at: 2018-02-05 00:48:30
End at: 2018-02-05 00:49:00
Local clock offset: 1.018 ms
Remote clock offset: -5.049 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 30.976 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 30.436 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 31.149 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 30.746 ms
Loss rate: 0.09%

Run 7: Report of WebRTC media — Data Link

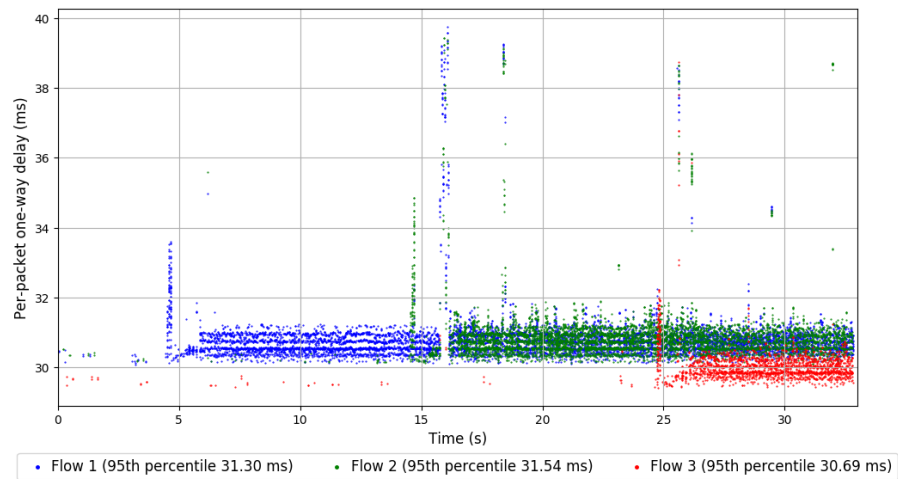
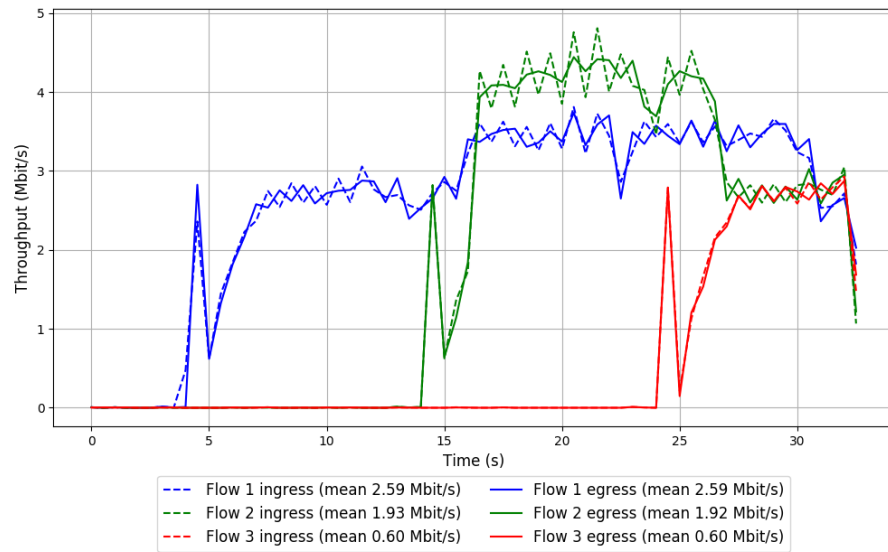


Run 8: Statistics of WebRTC media

Start at: 2018-02-05 01:15:06
End at: 2018-02-05 01:15:36
Local clock offset: 1.176 ms
Remote clock offset: -3.813 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 31.365 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 31.295 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 31.535 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 30.691 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

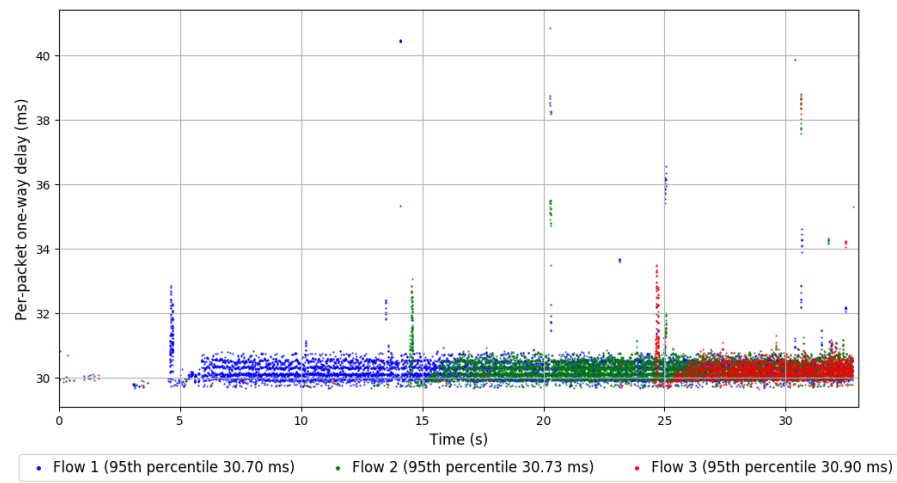
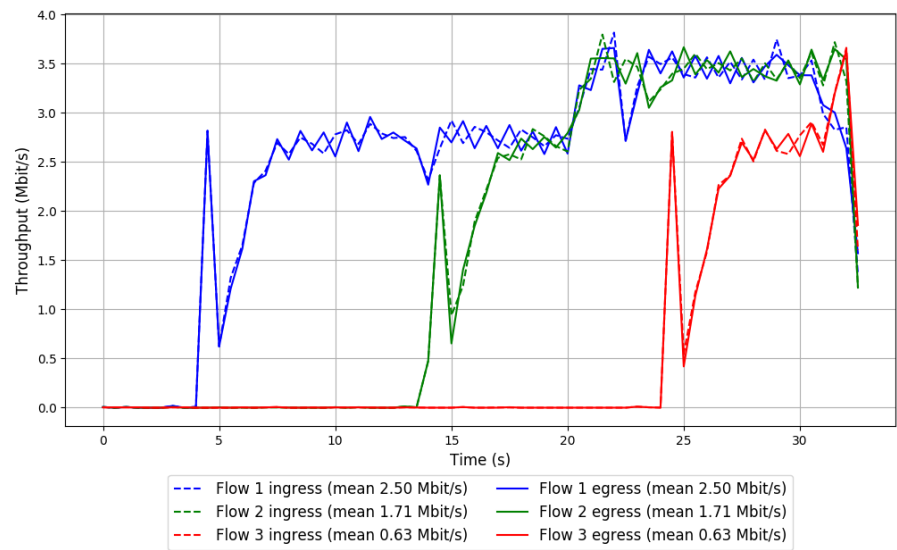


Run 9: Statistics of WebRTC media

Start at: 2018-02-05 01:41:30
End at: 2018-02-05 01:42:00
Local clock offset: 1.225 ms
Remote clock offset: -3.671 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 30.725 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 30.702 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 30.730 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 30.899 ms
Loss rate: 0.19%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-05 02:08:02

End at: 2018-02-05 02:08:32

Local clock offset: 1.226 ms

Remote clock offset: -3.95 ms

Below is generated by plot.py at 2018-02-05 02:43:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.92 Mbit/s

95th percentile per-packet one-way delay: 31.341 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 2.52 Mbit/s

95th percentile per-packet one-way delay: 31.432 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 30.973 ms

Loss rate: 0.05%

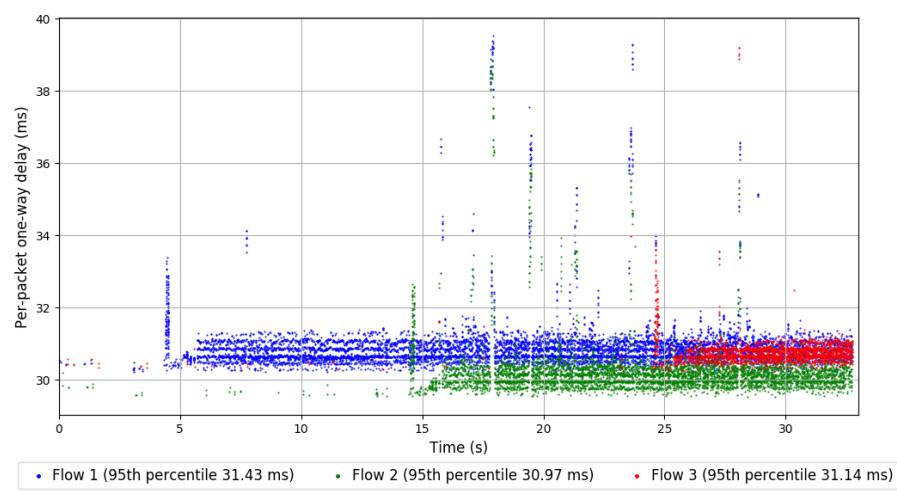
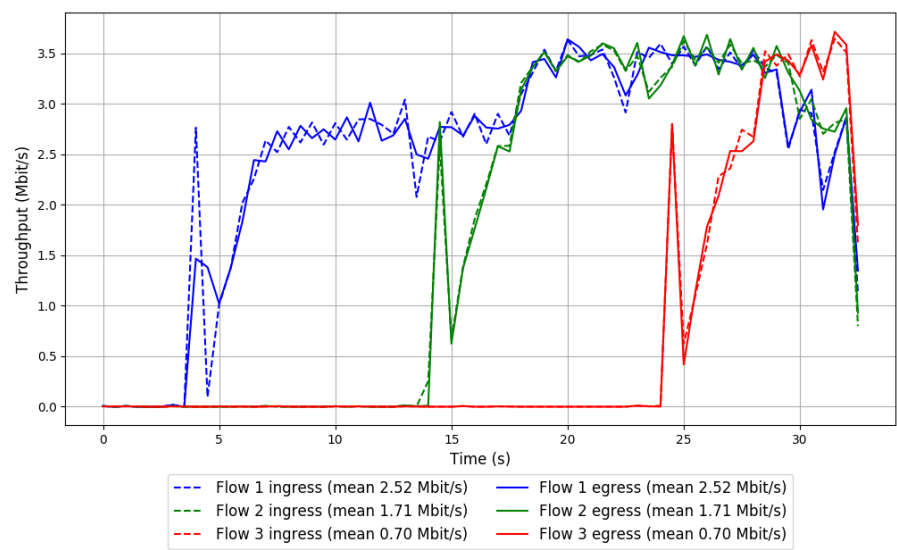
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 31.141 ms

Loss rate: 0.21%

Run 10: Report of WebRTC media — Data Link

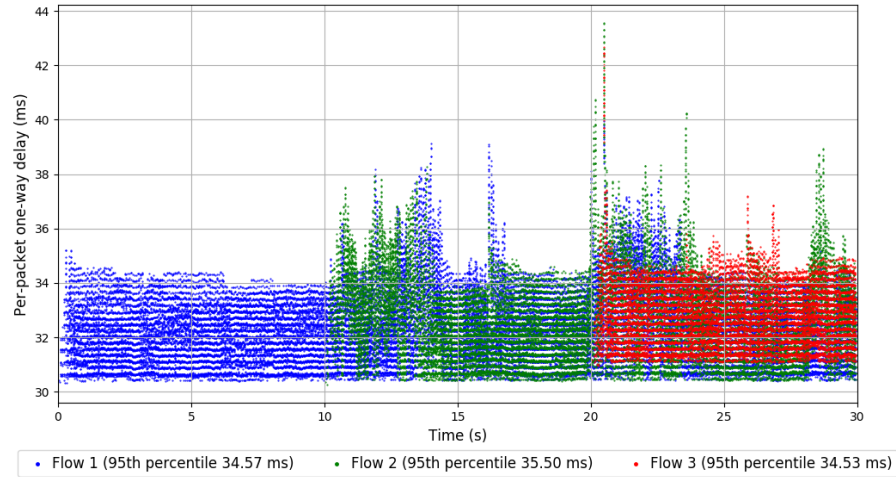
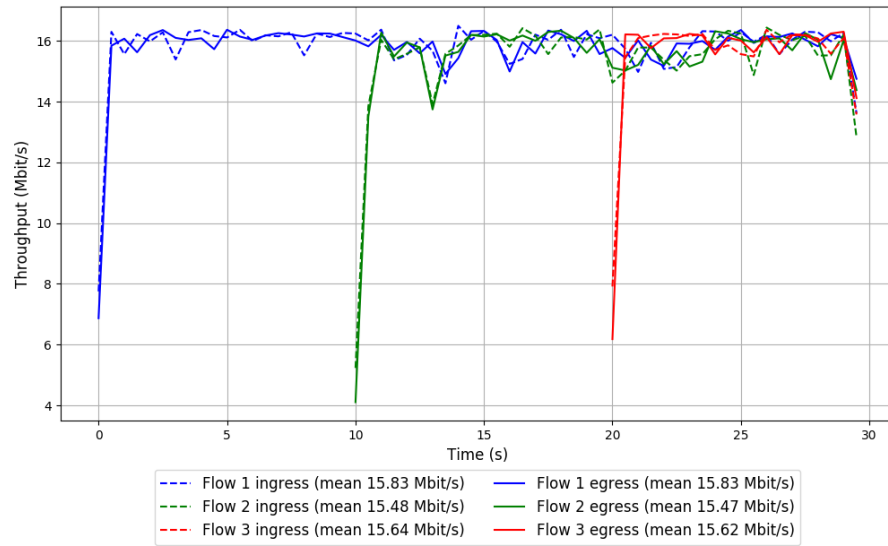


Run 1: Statistics of Sprout

Start at: 2018-02-04 21:49:21
End at: 2018-02-04 21:49:51
Local clock offset: 0.106 ms
Remote clock offset: -5.378 ms

Below is generated by plot.py at 2018-02-05 02:43:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 34.916 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 34.567 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 35.499 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 34.526 ms
Loss rate: 0.07%

Run 1: Report of Sprout — Data Link

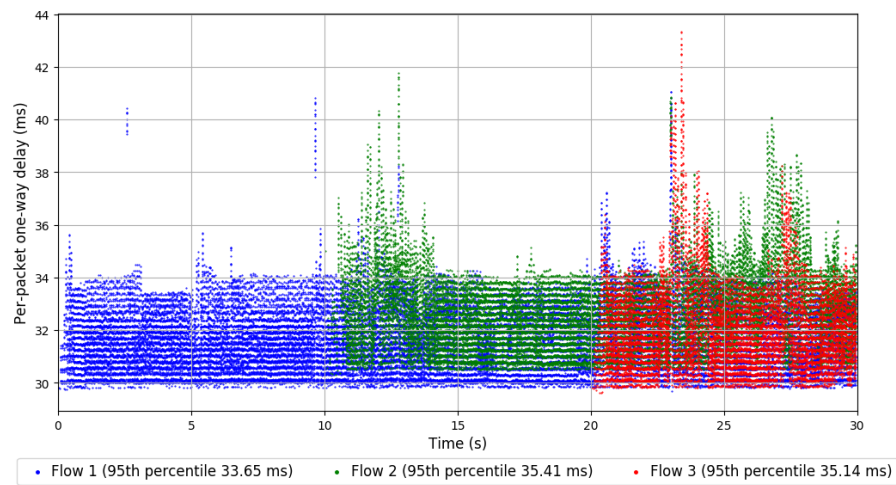
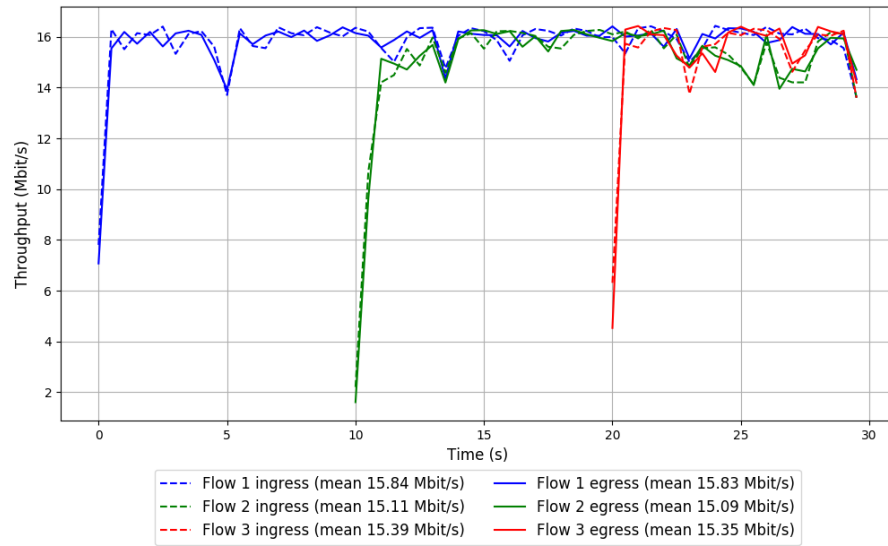


Run 2: Statistics of Sprout

Start at: 2018-02-04 22:14:55
End at: 2018-02-04 22:15:25
Local clock offset: -0.142 ms
Remote clock offset: -6.549 ms

```
# Below is generated by plot.py at 2018-02-05 02:43:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 34.506 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 33.645 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 35.414 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 35.143 ms
Loss rate: 0.22%
```


Run 2: Report of Sprout — Data Link

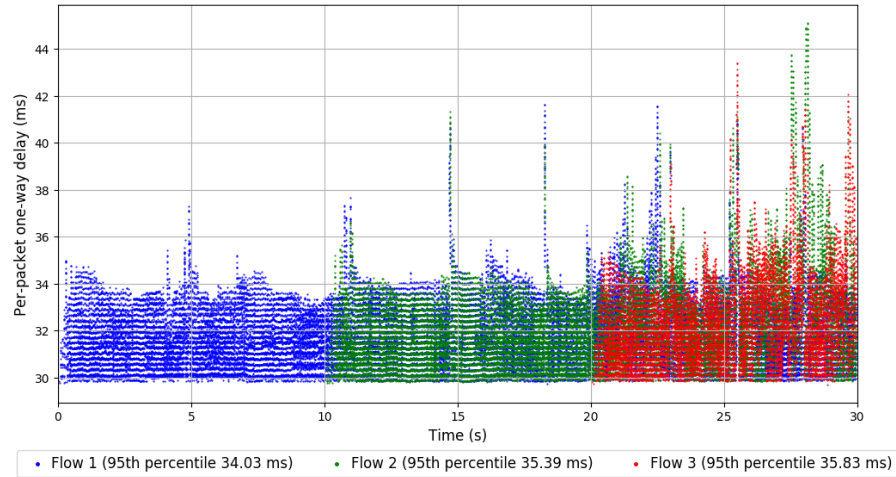
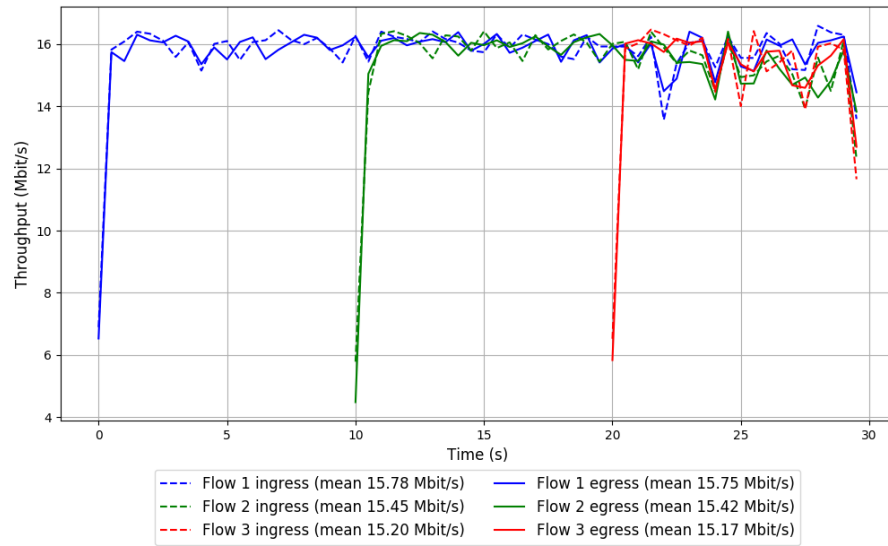


Run 3: Statistics of Sprout

Start at: 2018-02-04 22:40:24
End at: 2018-02-04 22:40:54
Local clock offset: -0.32 ms
Remote clock offset: -7.353 ms

```
# Below is generated by plot.py at 2018-02-05 02:43:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 34.793 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 34.030 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 35.394 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 15.17 Mbit/s
95th percentile per-packet one-way delay: 35.826 ms
Loss rate: 0.15%
```

Run 3: Report of Sprout — Data Link

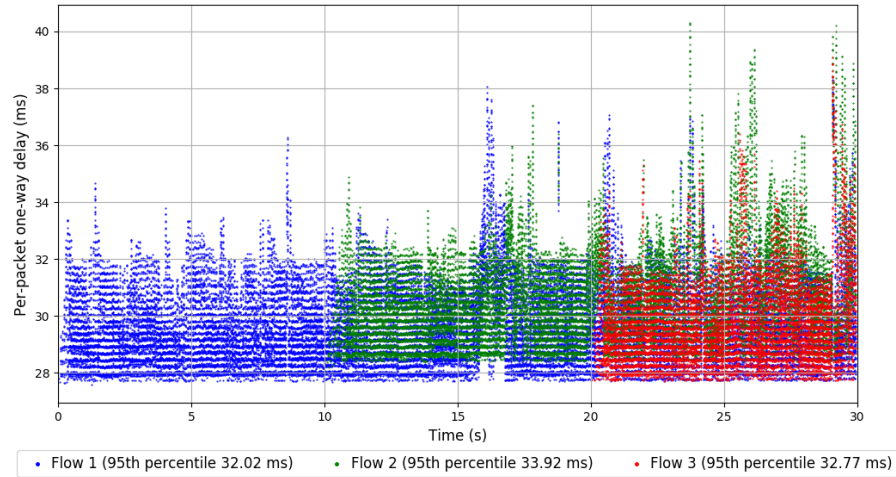
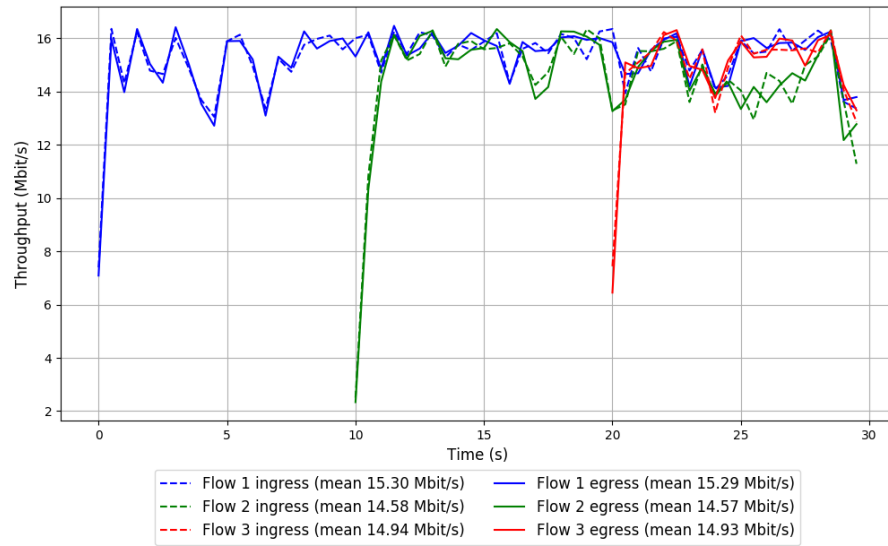


Run 4: Statistics of Sprout

Start at: 2018-02-04 23:06:35
End at: 2018-02-04 23:07:05
Local clock offset: -0.319 ms
Remote clock offset: -10.668 ms

```
# Below is generated by plot.py at 2018-02-05 02:43:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 32.894 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 15.29 Mbit/s
95th percentile per-packet one-way delay: 32.018 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 33.920 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 32.767 ms
Loss rate: 0.04%
```

Run 4: Report of Sprout — Data Link

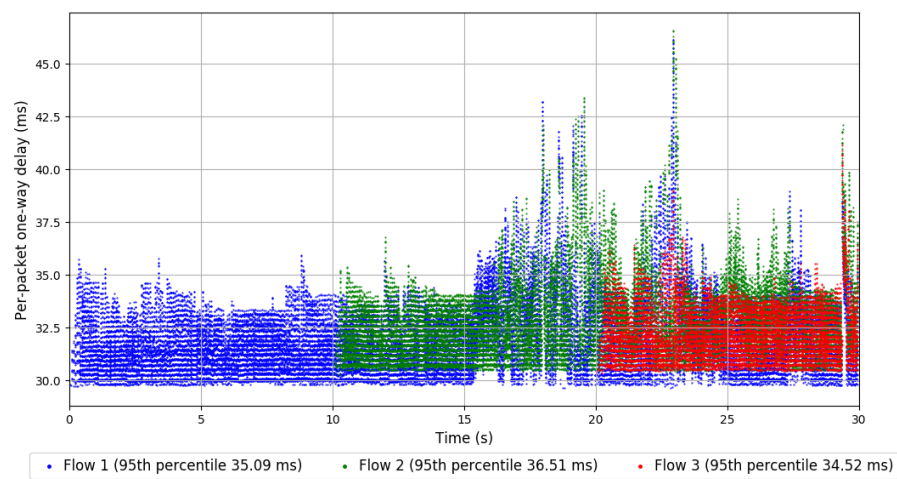
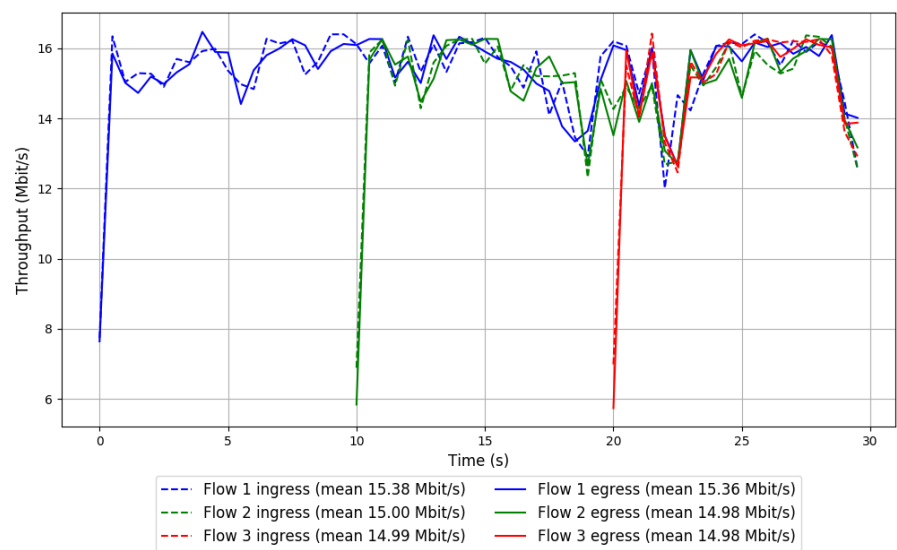


Run 5: Statistics of Sprout

Start at: 2018-02-04 23:32:59
End at: 2018-02-04 23:33:29
Local clock offset: 0.081 ms
Remote clock offset: -9.008 ms

Below is generated by plot.py at 2018-02-05 02:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.28 Mbit/s
95th percentile per-packet one-way delay: 35.542 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 35.091 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 36.507 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 34.516 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

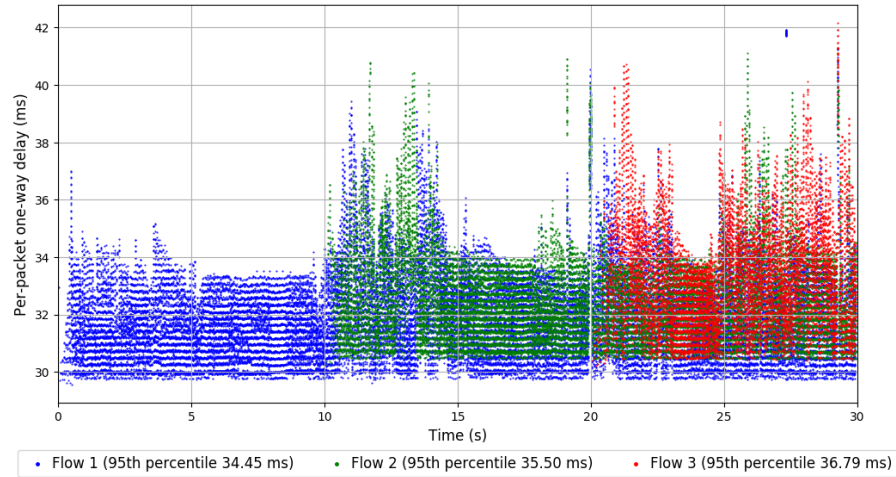
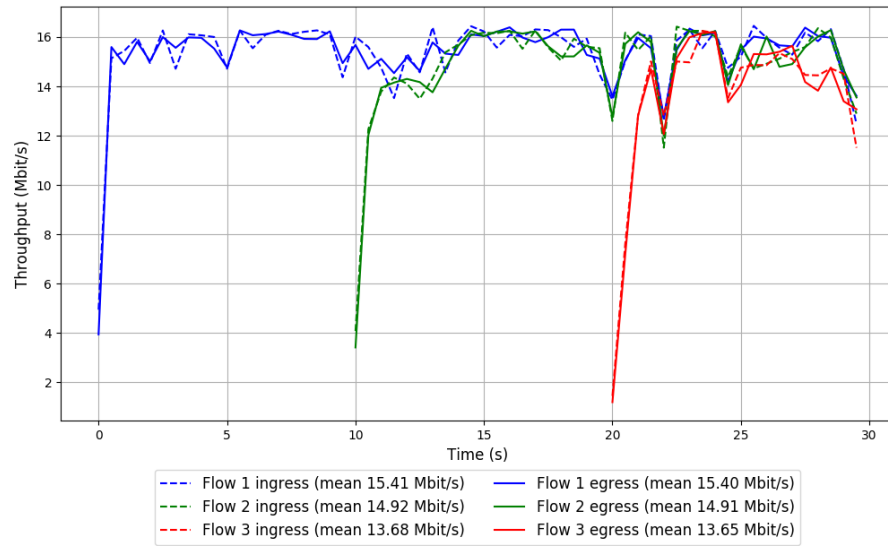


Run 6: Statistics of Sprout

Start at: 2018-02-04 23:59:29
End at: 2018-02-04 23:59:59
Local clock offset: 0.499 ms
Remote clock offset: -7.748 ms

Below is generated by plot.py at 2018-02-05 02:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 35.466 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 34.449 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 35.504 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 36.793 ms
Loss rate: 0.18%

Run 6: Report of Sprout — Data Link

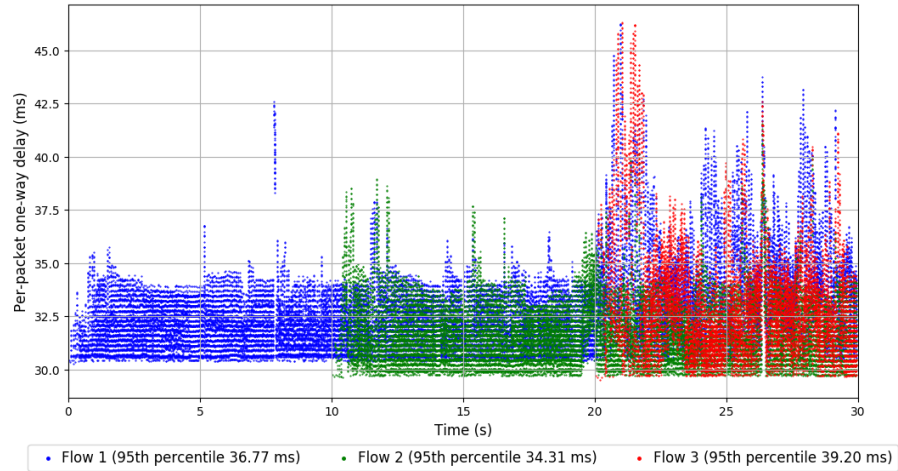
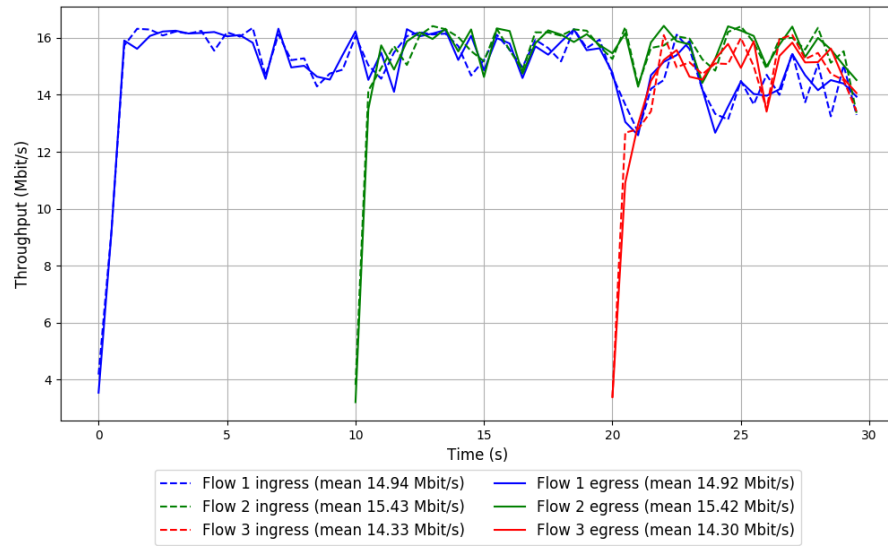


Run 7: Statistics of Sprout

Start at: 2018-02-05 00:25:33
End at: 2018-02-05 00:26:03
Local clock offset: 0.709 ms
Remote clock offset: -6.652 ms

Below is generated by plot.py at 2018-02-05 02:44:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 36.461 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 14.92 Mbit/s
95th percentile per-packet one-way delay: 36.767 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 34.307 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.30 Mbit/s
95th percentile per-packet one-way delay: 39.205 ms
Loss rate: 0.21%

Run 7: Report of Sprout — Data Link

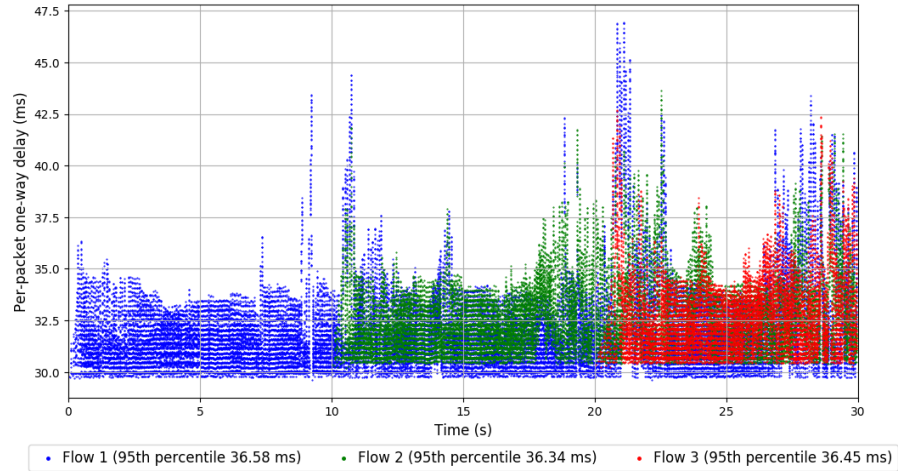
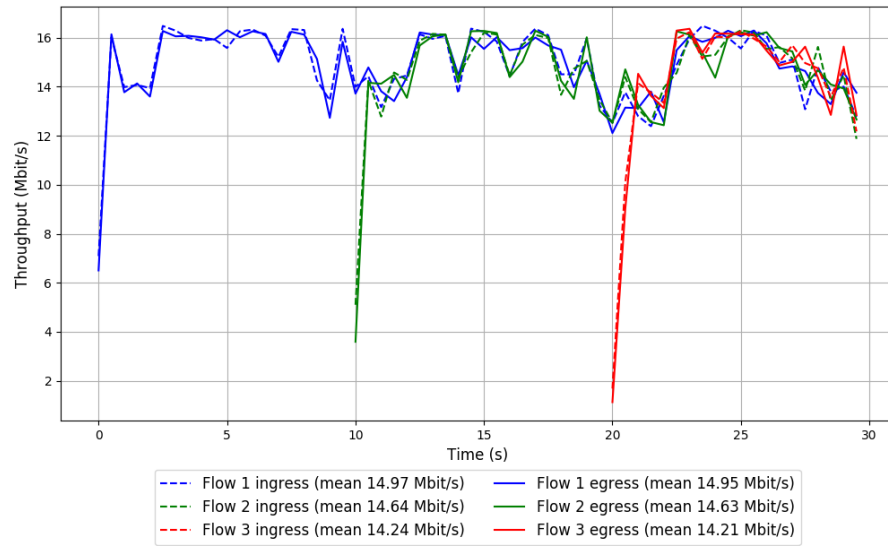


Run 8: Statistics of Sprout

Start at: 2018-02-05 00:52:49
End at: 2018-02-05 00:53:19
Local clock offset: 0.913 ms
Remote clock offset: -4.764 ms

Below is generated by plot.py at 2018-02-05 02:44:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 36.451 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 14.95 Mbit/s
95th percentile per-packet one-way delay: 36.584 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 36.339 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 36.452 ms
Loss rate: 0.16%

Run 8: Report of Sprout — Data Link

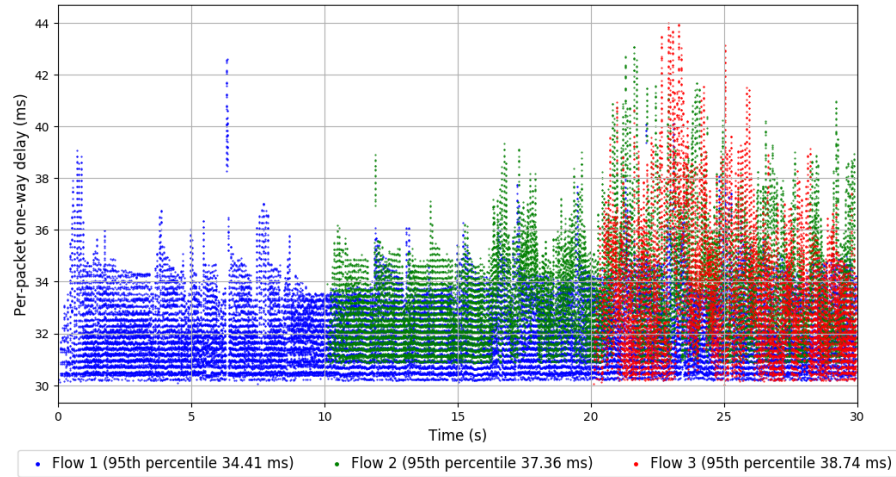
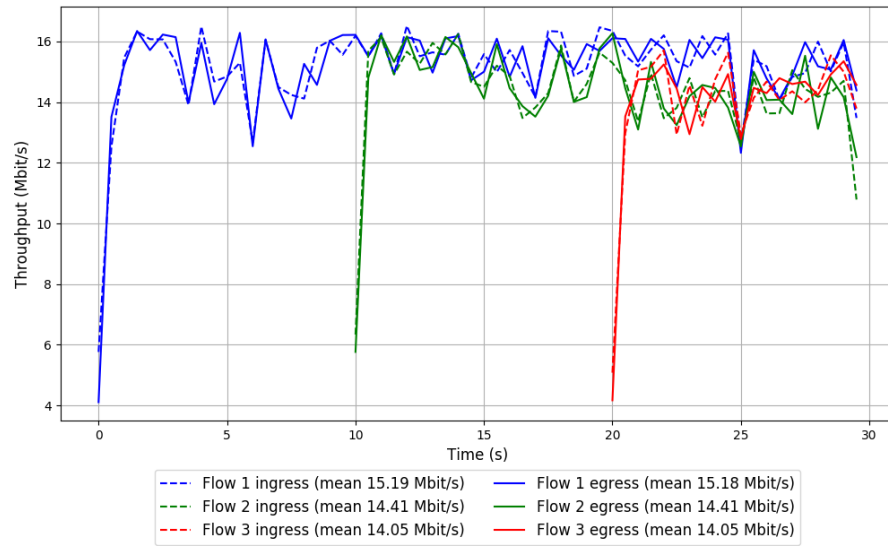


Run 9: Statistics of Sprout

Start at: 2018-02-05 01:19:22
End at: 2018-02-05 01:19:52
Local clock offset: 1.205 ms
Remote clock offset: -3.226 ms

Below is generated by plot.py at 2018-02-05 02:44:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 36.653 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 34.405 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 37.357 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 14.05 Mbit/s
95th percentile per-packet one-way delay: 38.741 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

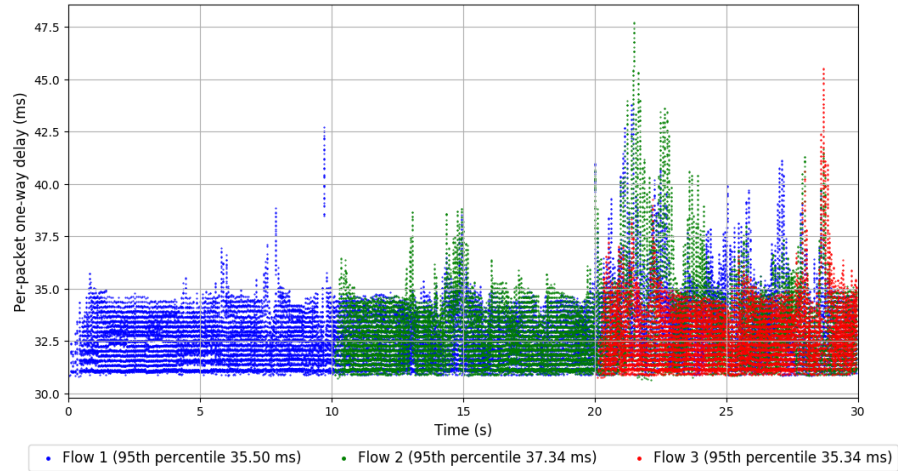
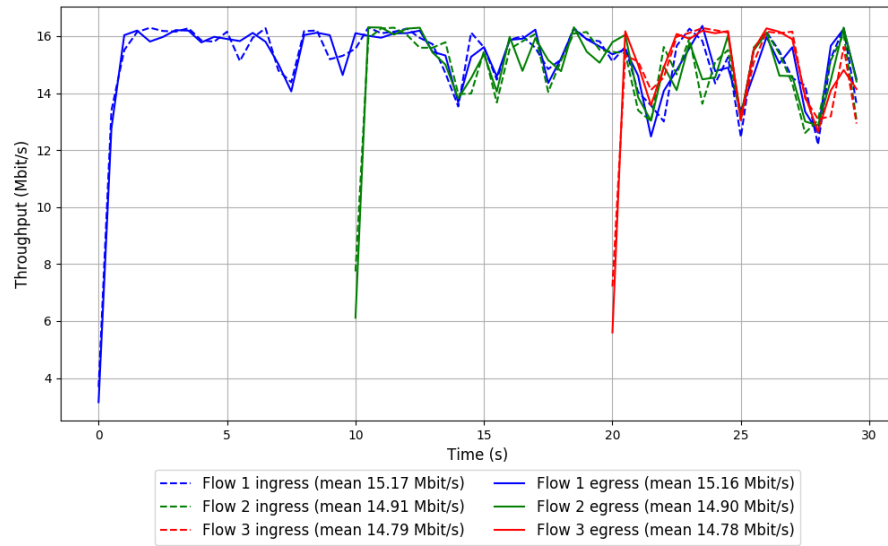


Run 10: Statistics of Sprout

Start at: 2018-02-05 01:45:42
End at: 2018-02-05 01:46:12
Local clock offset: 1.296 ms
Remote clock offset: -3.317 ms

Below is generated by plot.py at 2018-02-05 02:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 36.102 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 35.499 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 37.338 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 35.339 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

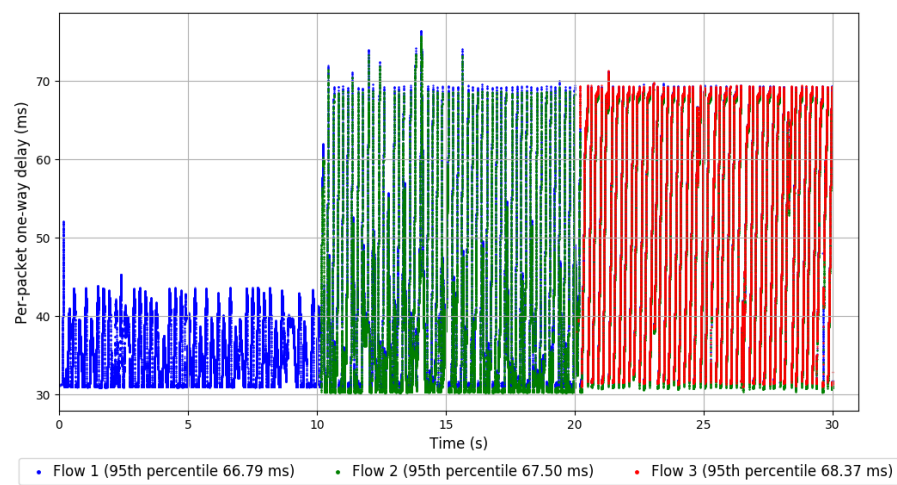
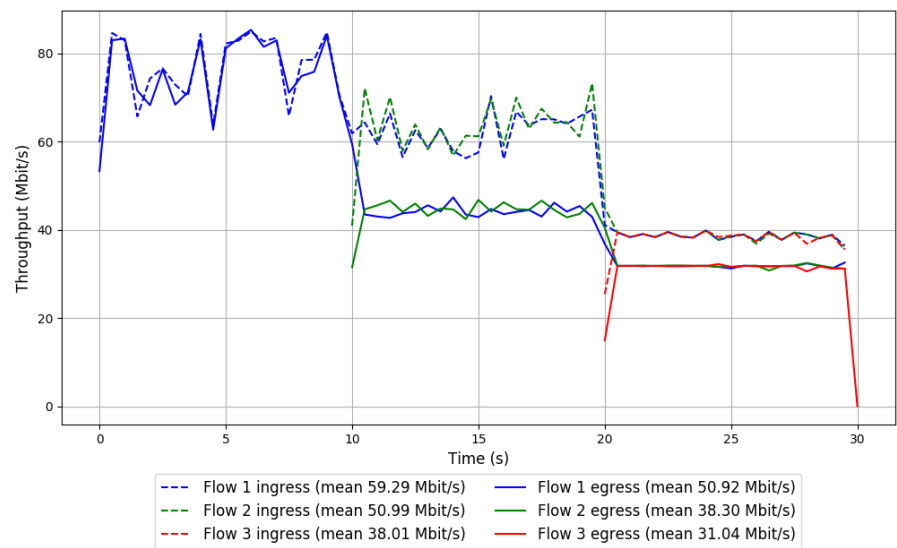


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-04 21:52:07
End at: 2018-02-04 21:52:37
Local clock offset: 0.124 ms
Remote clock offset: -5.531 ms

# Below is generated by plot.py at 2018-02-05 02:46:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.71 Mbit/s
95th percentile per-packet one-way delay: 67.822 ms
Loss rate: 18.09%
-- Flow 1:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 66.789 ms
Loss rate: 14.11%
-- Flow 2:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 67.496 ms
Loss rate: 24.93%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 68.367 ms
Loss rate: 18.39%
```

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

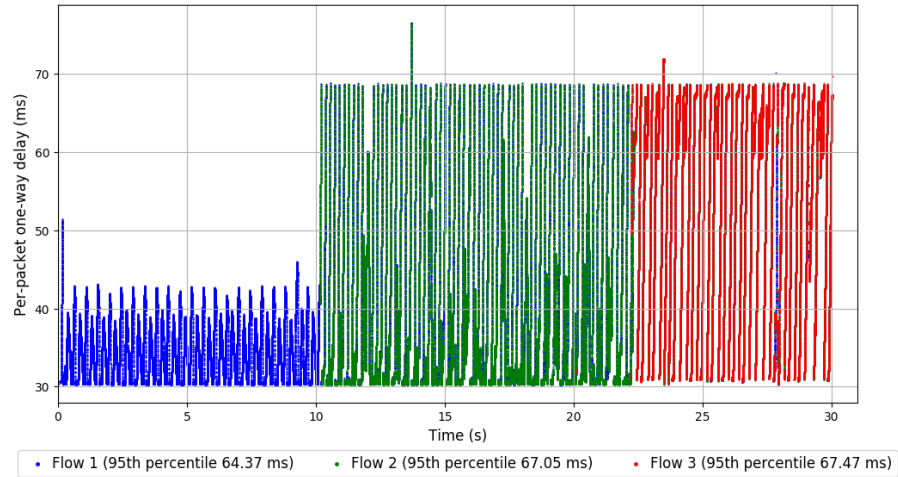
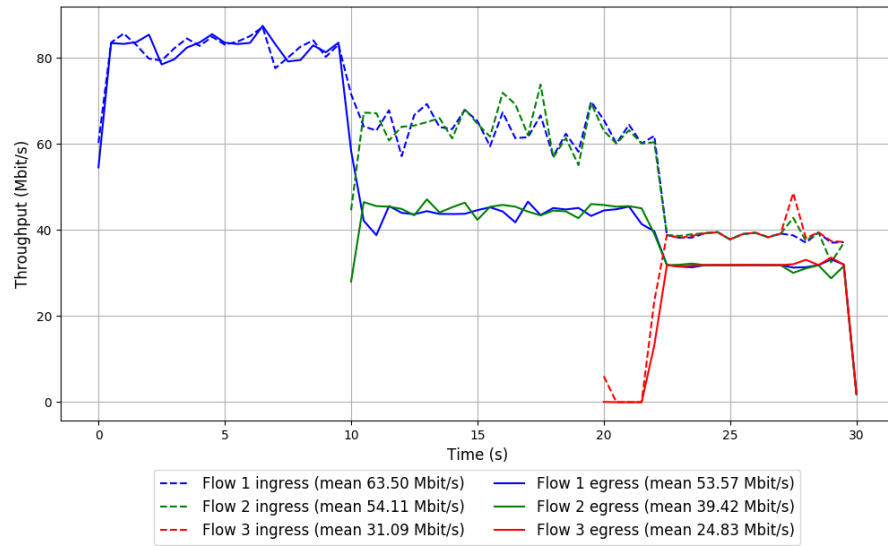


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-04 22:17:42
End at: 2018-02-04 22:18:12
Local clock offset: -0.176 ms
Remote clock offset: -6.123 ms

Below is generated by plot.py at 2018-02-05 02:46:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.08 Mbit/s
95th percentile per-packet one-way delay: 66.821 ms
Loss rate: 19.71%
-- Flow 1:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 64.366 ms
Loss rate: 15.54%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 67.051 ms
Loss rate: 27.03%
-- Flow 3:
Average throughput: 24.83 Mbit/s
95th percentile per-packet one-way delay: 67.467 ms
Loss rate: 19.81%

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

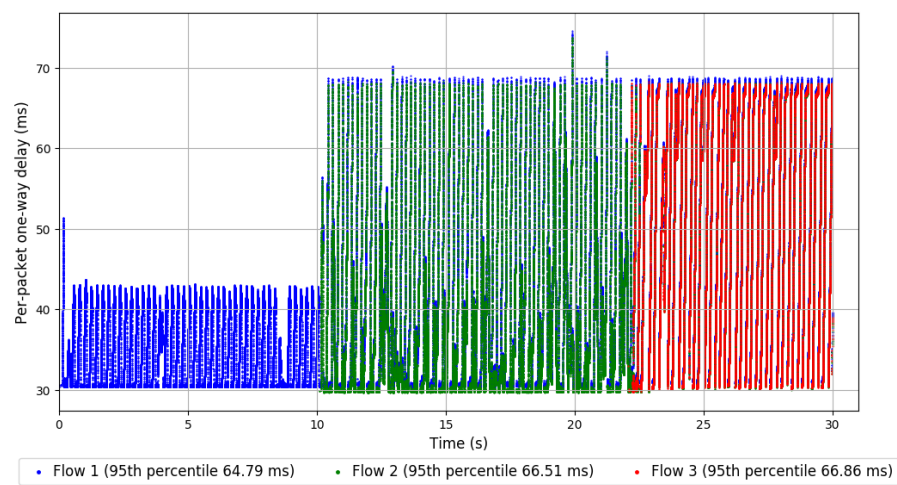
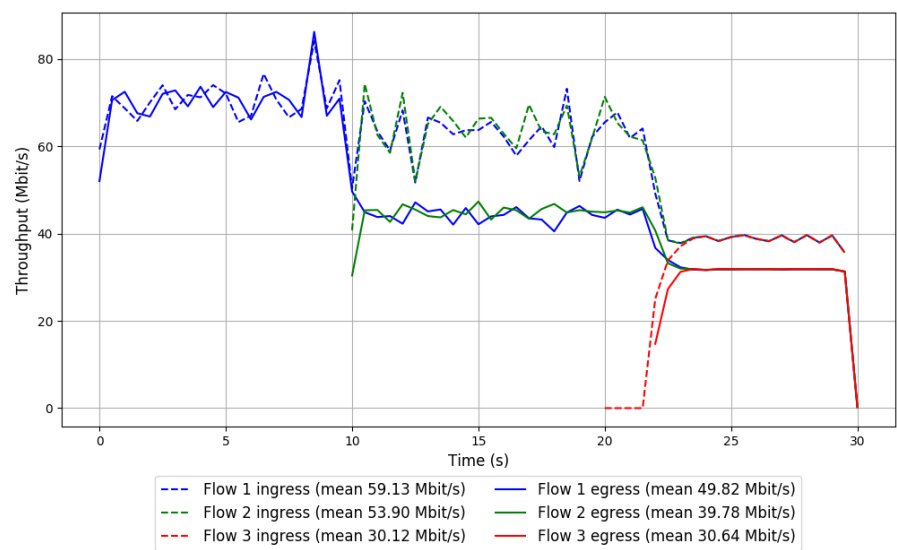


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-04 22:43:18
End at: 2018-02-04 22:43:48
Local clock offset: -0.328 ms
Remote clock offset: -7.589 ms

Below is generated by plot.py at 2018-02-05 02:46:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.42 Mbit/s
95th percentile per-packet one-way delay: 66.521 ms
Loss rate: 19.59%
-- Flow 1:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: 64.789 ms
Loss rate: 15.72%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 66.510 ms
Loss rate: 26.20%
-- Flow 3:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 66.859 ms
Loss rate: 18.71%

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

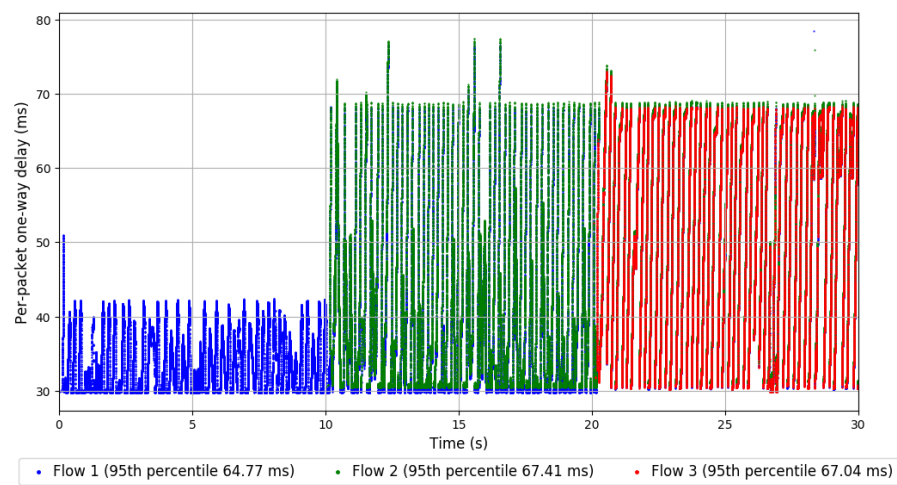
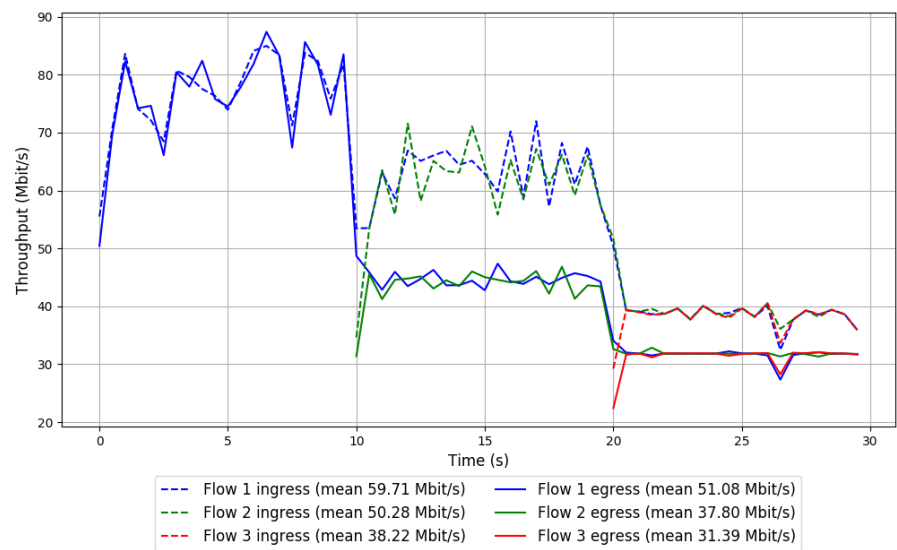


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-04 23:09:25
End at: 2018-02-04 23:09:55
Local clock offset: -0.295 ms
Remote clock offset: -8.728 ms

Below is generated by plot.py at 2018-02-05 02:46:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 66.633 ms
Loss rate: 18.16%
-- Flow 1:
Average throughput: 51.08 Mbit/s
95th percentile per-packet one-way delay: 64.771 ms
Loss rate: 14.45%
-- Flow 2:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 67.411 ms
Loss rate: 24.82%
-- Flow 3:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 67.040 ms
Loss rate: 18.07%

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

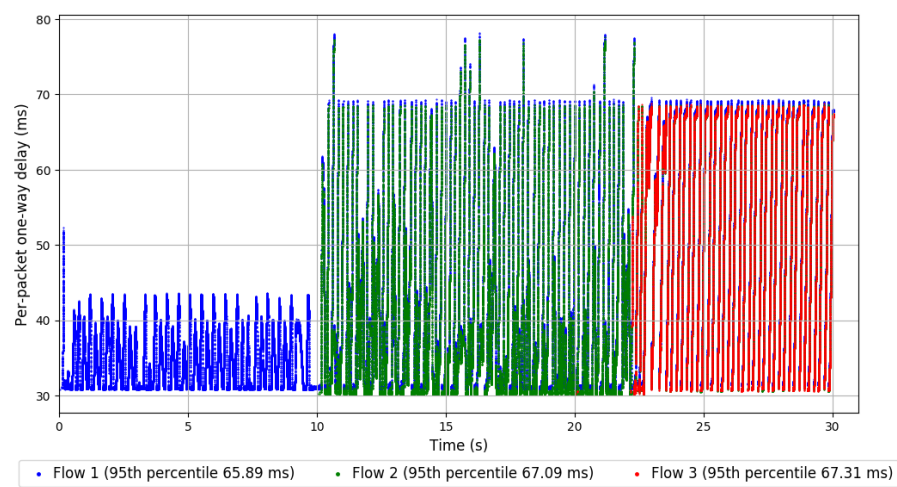
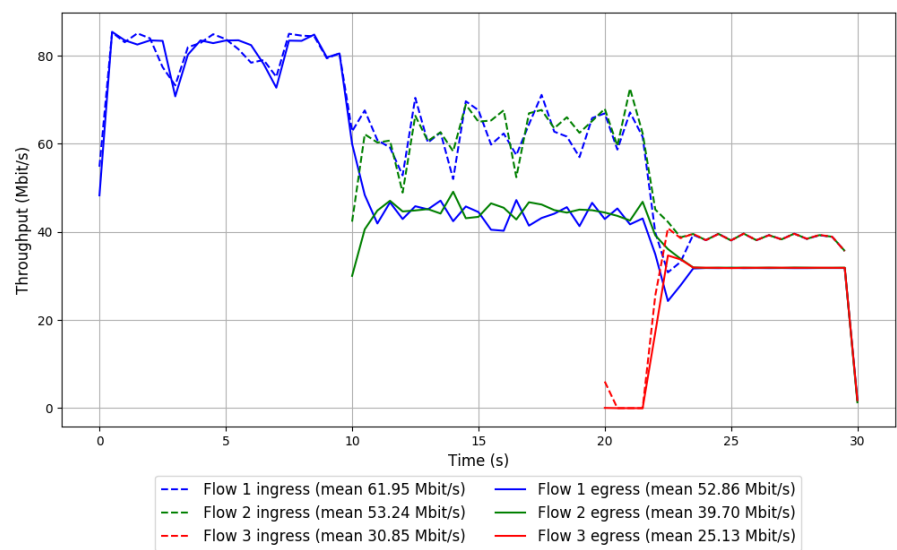


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-04 23:35:48
End at: 2018-02-04 23:36:18
Local clock offset: 0.115 ms
Remote clock offset: -8.521 ms

Below is generated by plot.py at 2018-02-05 02:46:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 67.096 ms
Loss rate: 18.46%
-- Flow 1:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 65.890 ms
Loss rate: 14.57%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 67.091 ms
Loss rate: 25.32%
-- Flow 3:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 67.305 ms
Loss rate: 18.24%

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

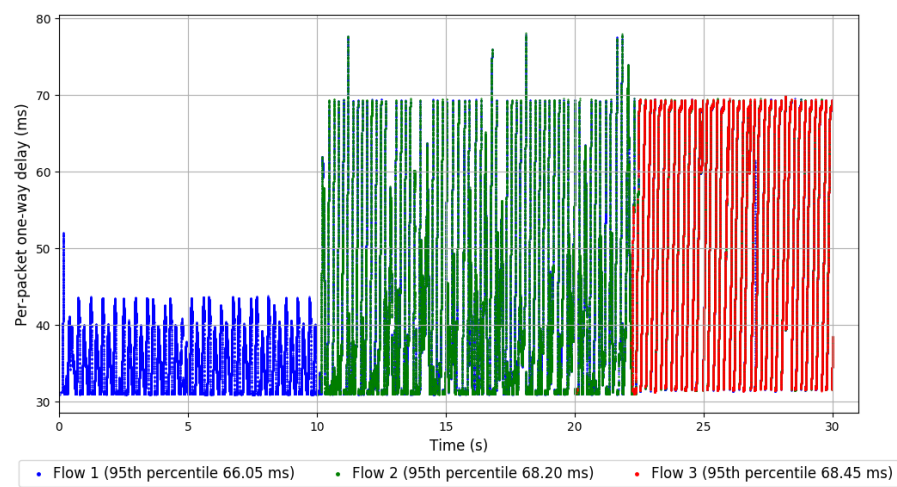
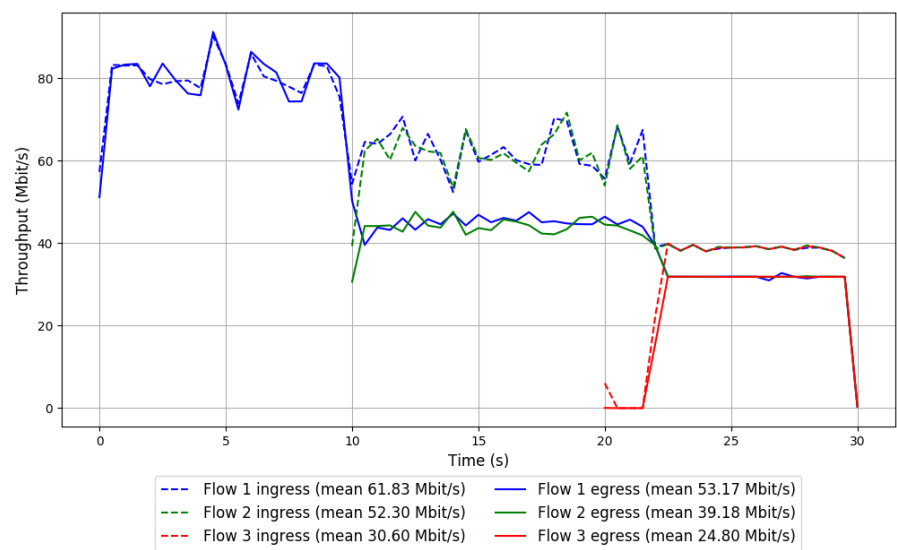


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-05 00:02:18
End at: 2018-02-05 00:02:48
Local clock offset: 0.437 ms
Remote clock offset: -7.176 ms

Below is generated by plot.py at 2018-02-05 02:46:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 68.102 ms
Loss rate: 18.07%
-- Flow 1:
Average throughput: 53.17 Mbit/s
95th percentile per-packet one-way delay: 66.049 ms
Loss rate: 13.99%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 68.199 ms
Loss rate: 25.06%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 68.448 ms
Loss rate: 18.90%

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

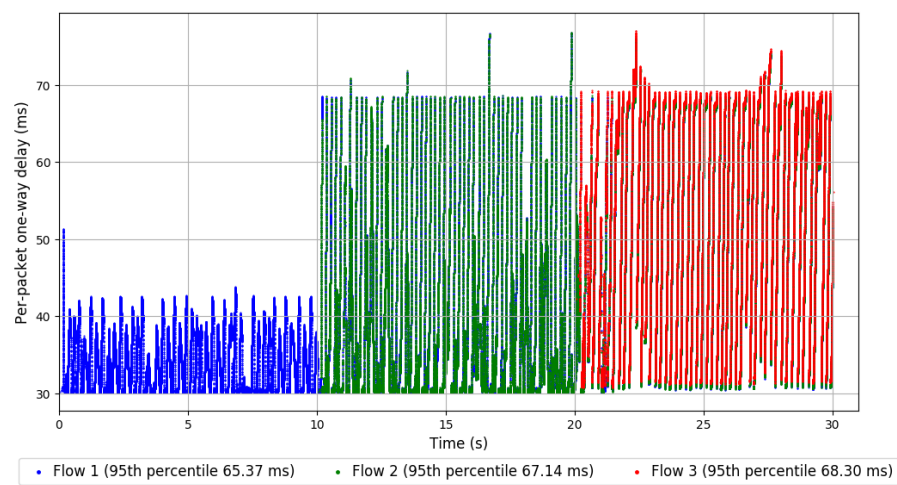
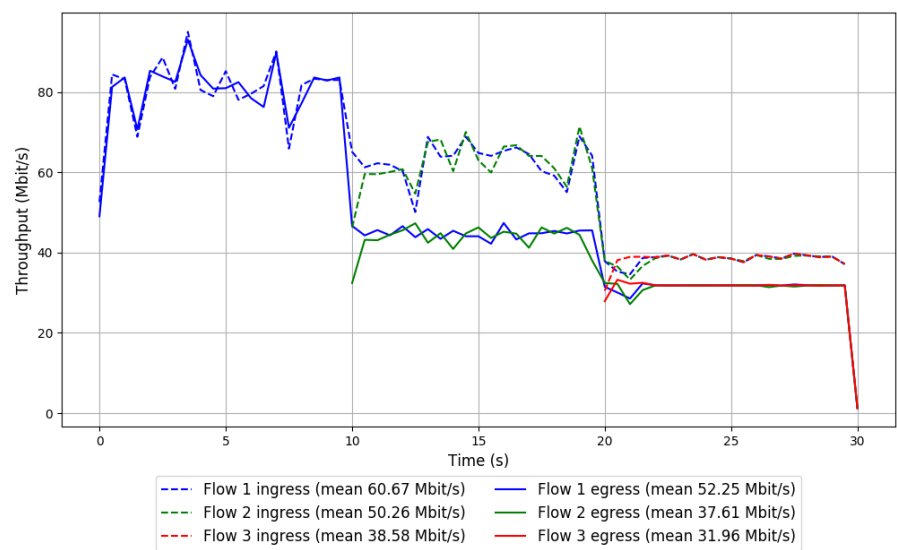


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-05 00:28:30
End at: 2018-02-05 00:29:00
Local clock offset: 0.797 ms
Remote clock offset: -5.987 ms

Below is generated by plot.py at 2018-02-05 02:46:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.90 Mbit/s
95th percentile per-packet one-way delay: 67.133 ms
Loss rate: 17.73%
-- Flow 1:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 65.371 ms
Loss rate: 13.81%
-- Flow 2:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 67.136 ms
Loss rate: 25.08%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 68.303 ms
Loss rate: 17.06%

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

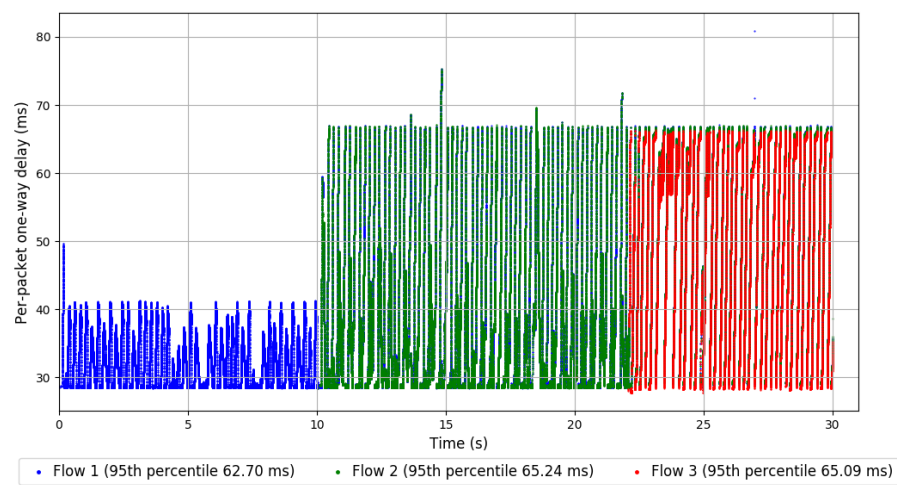
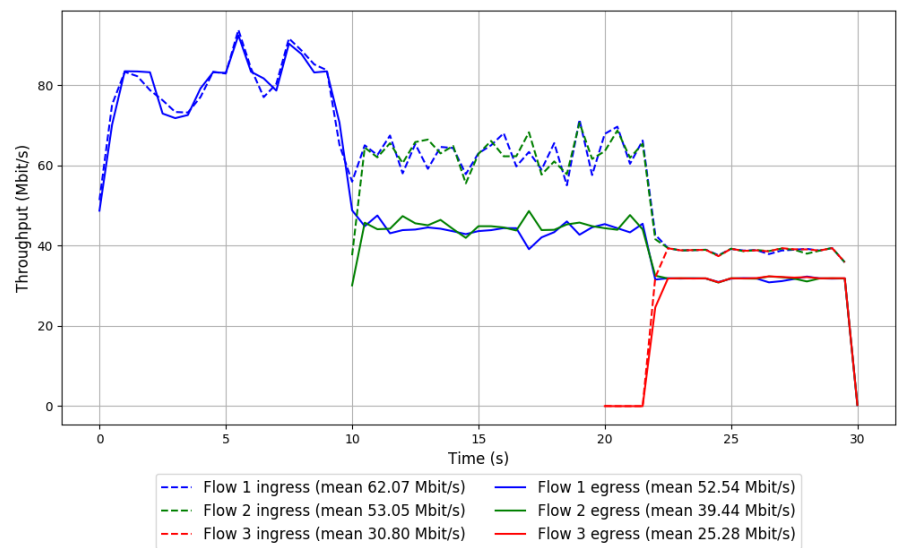


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-05 00:55:43
End at: 2018-02-05 00:56:13
Local clock offset: 0.901 ms
Remote clock offset: -6.529 ms

Below is generated by plot.py at 2018-02-05 02:46:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 64.463 ms
Loss rate: 18.95%
-- Flow 1:
Average throughput: 52.54 Mbit/s
95th percentile per-packet one-way delay: 62.697 ms
Loss rate: 15.33%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 65.239 ms
Loss rate: 25.62%
-- Flow 3:
Average throughput: 25.28 Mbit/s
95th percentile per-packet one-way delay: 65.089 ms
Loss rate: 17.86%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-02-05 01:22:17

End at: 2018-02-05 01:22:47

Local clock offset: 1.257 ms

Remote clock offset: -3.58 ms

Below is generated by plot.py at 2018-02-05 02:48:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 66.359 ms

Loss rate: 19.64%

-- Flow 1:

Average throughput: 51.04 Mbit/s

95th percentile per-packet one-way delay: 64.454 ms

Loss rate: 15.77%

-- Flow 2:

Average throughput: 39.29 Mbit/s

95th percentile per-packet one-way delay: 66.462 ms

Loss rate: 26.74%

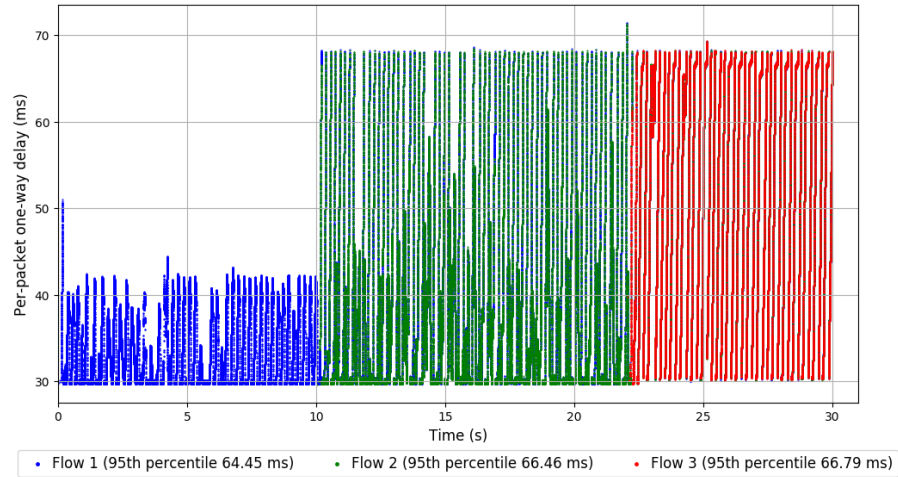
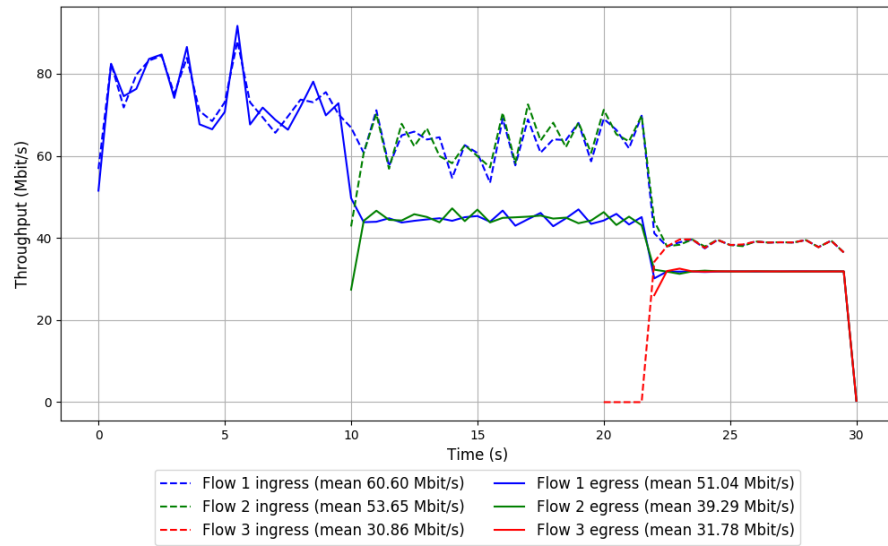
-- Flow 3:

Average throughput: 31.78 Mbit/s

95th percentile per-packet one-way delay: 66.792 ms

Loss rate: 17.79%

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

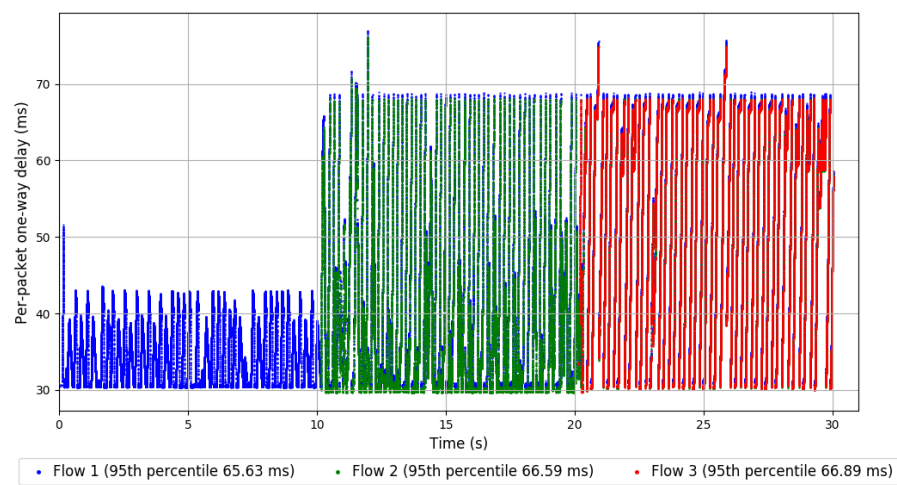
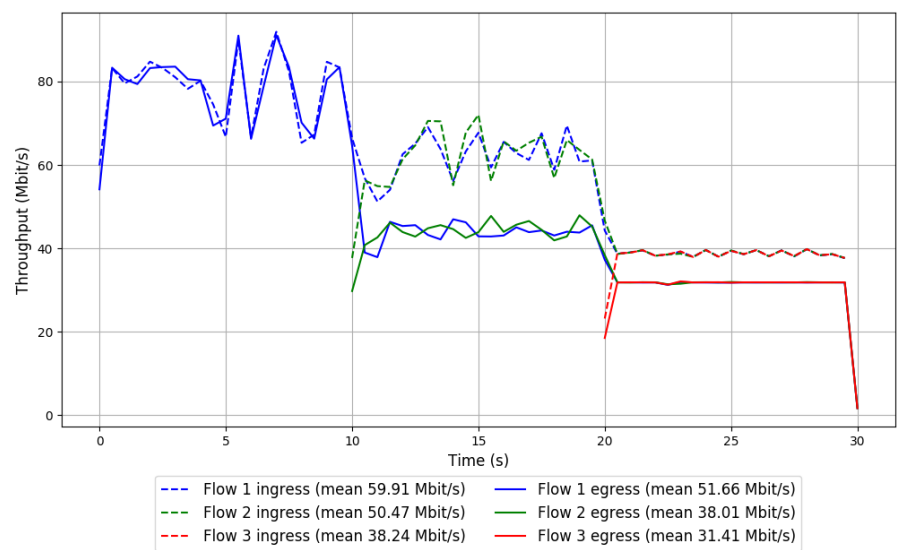


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-05 01:48:33
End at: 2018-02-05 01:49:03
Local clock offset: 1.319 ms
Remote clock offset: -3.796 ms

# Below is generated by plot.py at 2018-02-05 02:48:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 66.580 ms
Loss rate: 17.63%
-- Flow 1:
Average throughput: 51.66 Mbit/s
95th percentile per-packet one-way delay: 65.627 ms
Loss rate: 13.70%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 66.588 ms
Loss rate: 24.60%
-- Flow 3:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 66.894 ms
Loss rate: 17.75%
```

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

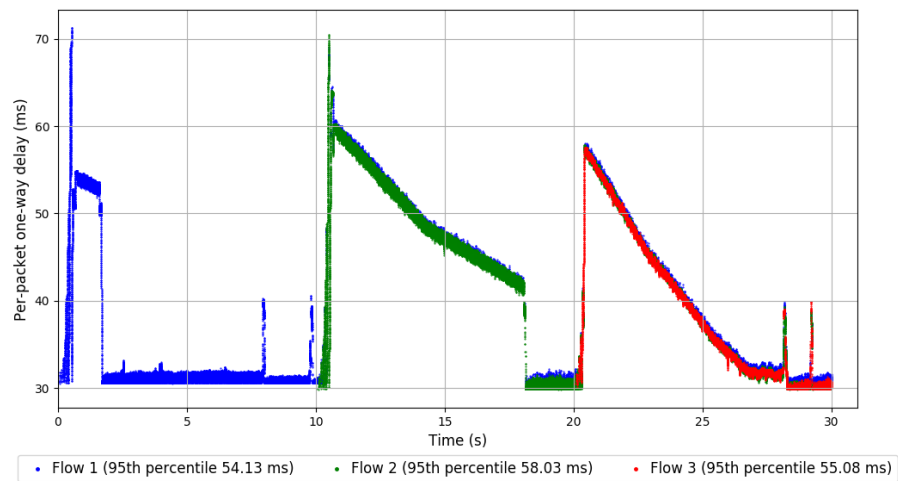
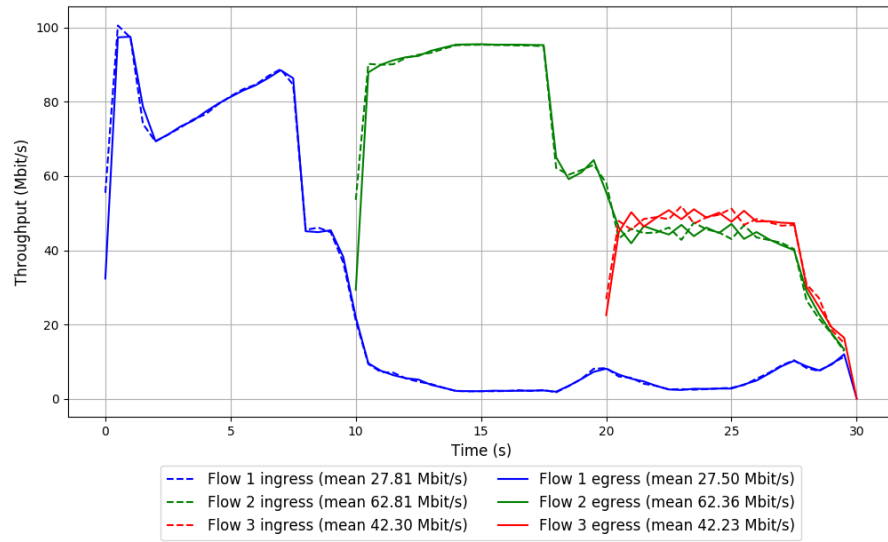


Run 1: Statistics of TCP Vegas

Start at: 2018-02-04 21:46:31
End at: 2018-02-04 21:47:01
Local clock offset: 0.108 ms
Remote clock offset: -5.872 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.03 Mbit/s
95th percentile per-packet one-way delay: 56.992 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 54.131 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 58.033 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 55.079 ms
Loss rate: 0.16%

Run 1: Report of TCP Vegas — Data Link

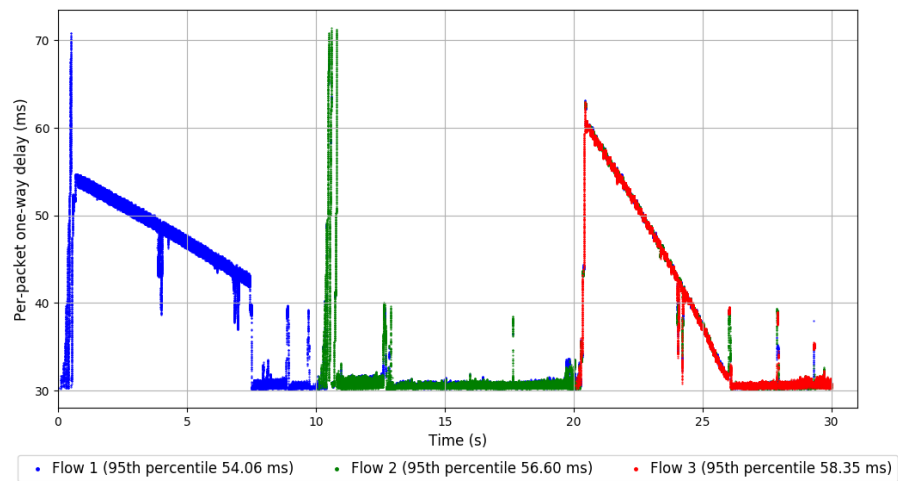
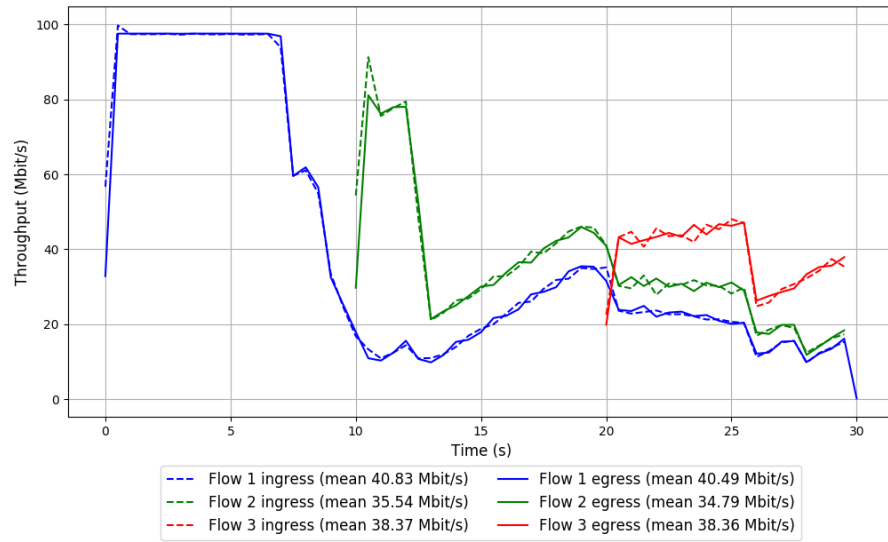


Run 2: Statistics of TCP Vegas

Start at: 2018-02-04 22:12:03
End at: 2018-02-04 22:12:33
Local clock offset: -0.115 ms
Remote clock offset: -6.066 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.39 Mbit/s
95th percentile per-packet one-way delay: 55.894 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 54.056 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 56.598 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 38.36 Mbit/s
95th percentile per-packet one-way delay: 58.347 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link

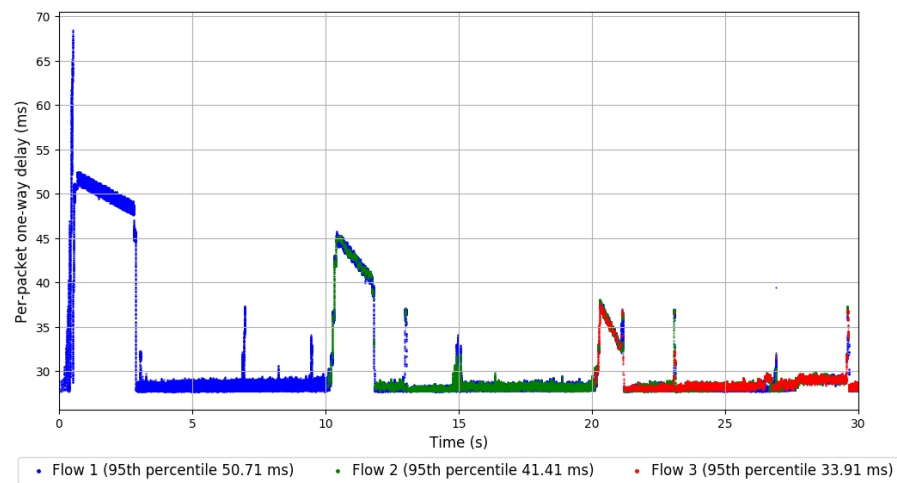
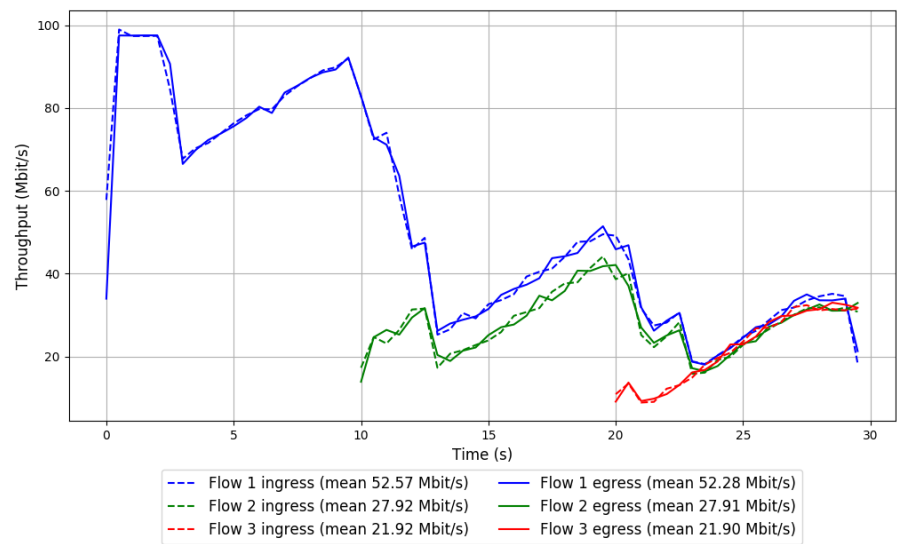


Run 3: Statistics of TCP Vegas

Start at: 2018-02-04 22:37:34
End at: 2018-02-04 22:38:04
Local clock offset: -0.311 ms
Remote clock offset: -9.295 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 50.191 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 52.28 Mbit/s
95th percentile per-packet one-way delay: 50.714 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 27.91 Mbit/s
95th percentile per-packet one-way delay: 41.405 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 21.90 Mbit/s
95th percentile per-packet one-way delay: 33.909 ms
Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link

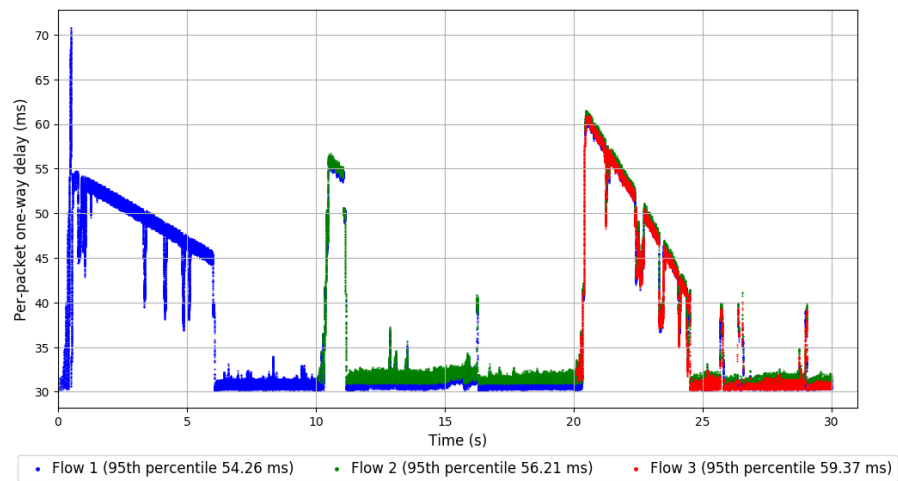
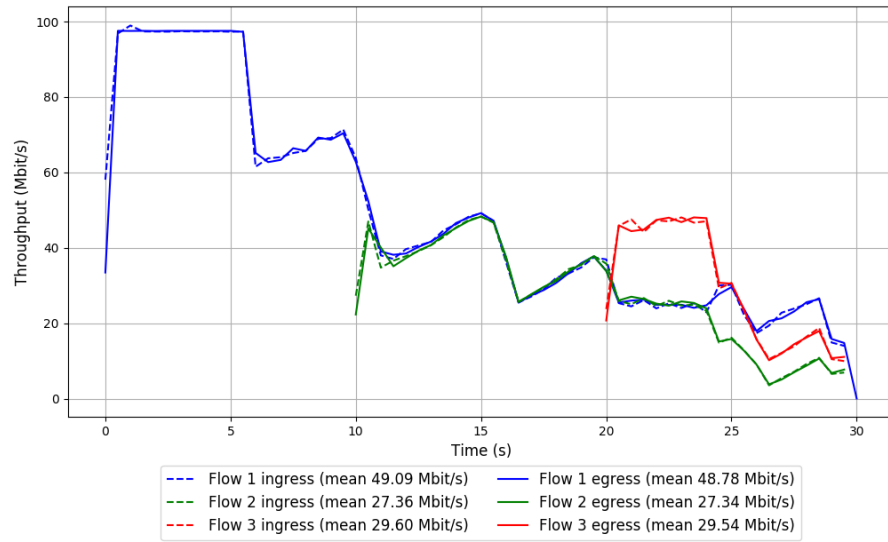


Run 4: Statistics of TCP Vegas

Start at: 2018-02-04 23:03:45
End at: 2018-02-04 23:04:15
Local clock offset: -0.326 ms
Remote clock offset: -7.983 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.78 Mbit/s
95th percentile per-packet one-way delay: 55.748 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 54.263 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 27.34 Mbit/s
95th percentile per-packet one-way delay: 56.212 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.54 Mbit/s
95th percentile per-packet one-way delay: 59.368 ms
Loss rate: 0.22%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-02-04 23:30:05

End at: 2018-02-04 23:30:35

Local clock offset: 0.043 ms

Remote clock offset: -9.08 ms

Below is generated by plot.py at 2018-02-05 02:48:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.23 Mbit/s

95th percentile per-packet one-way delay: 53.493 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 28.57 Mbit/s

95th percentile per-packet one-way delay: 53.314 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 24.29 Mbit/s

95th percentile per-packet one-way delay: 54.002 ms

Loss rate: 1.37%

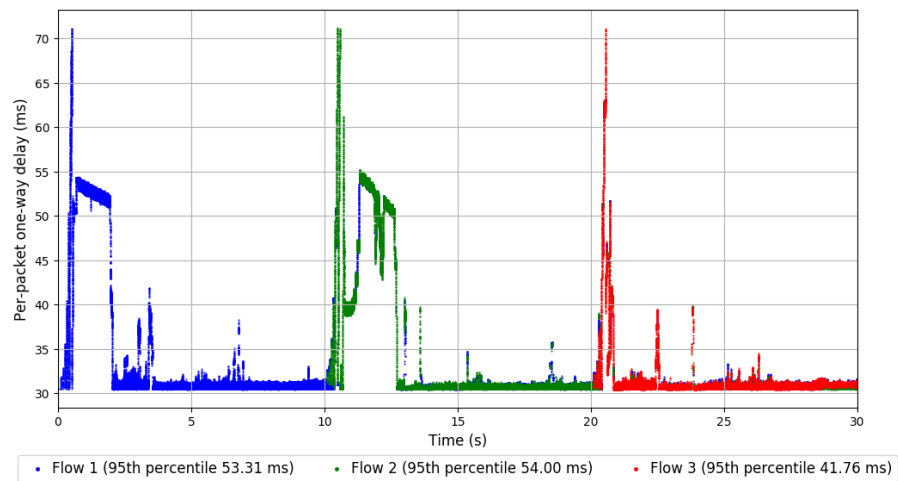
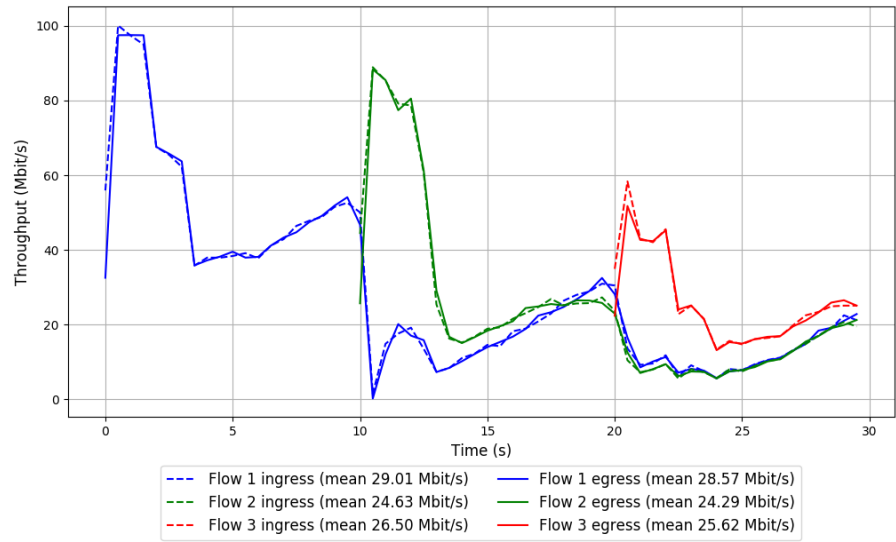
-- Flow 3:

Average throughput: 25.62 Mbit/s

95th percentile per-packet one-way delay: 41.764 ms

Loss rate: 3.34%

Run 5: Report of TCP Vegas — Data Link

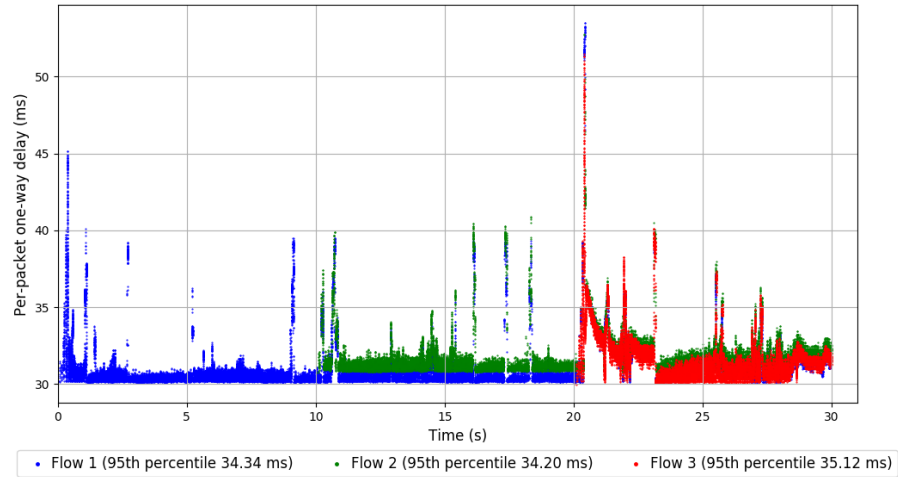
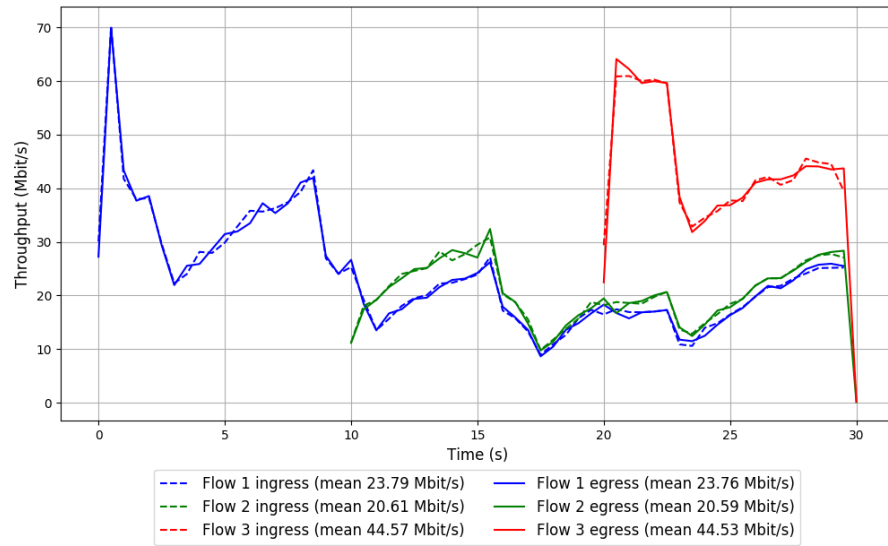


Run 6: Statistics of TCP Vegas

Start at: 2018-02-04 23:56:42
End at: 2018-02-04 23:57:12
Local clock offset: 0.473 ms
Remote clock offset: -7.528 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 34.658 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 34.340 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 34.203 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 44.53 Mbit/s
95th percentile per-packet one-way delay: 35.125 ms
Loss rate: 0.07%

Run 6: Report of TCP Vegas — Data Link

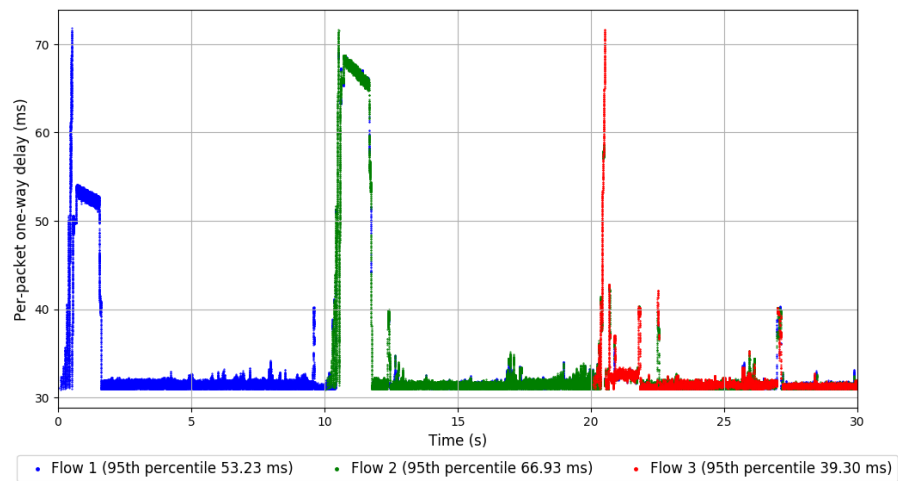
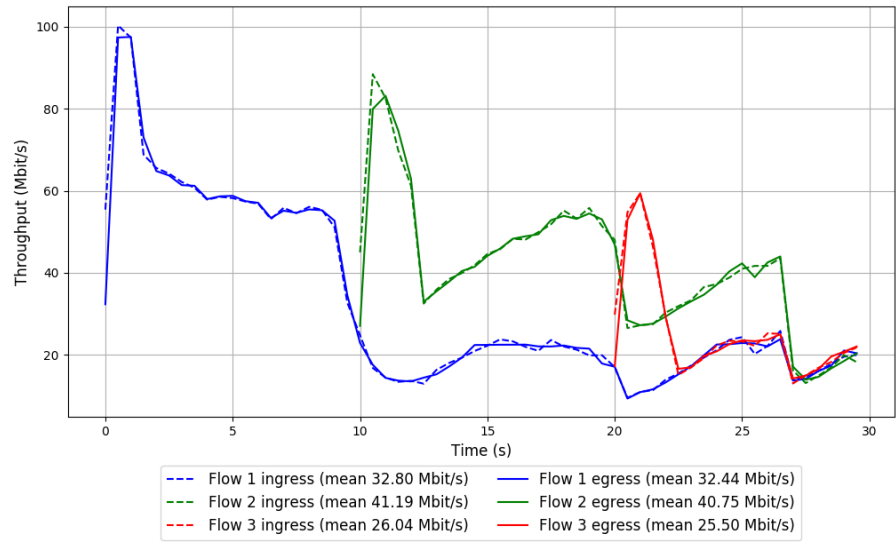


Run 7: Statistics of TCP Vegas

Start at: 2018-02-05 00:22:38
End at: 2018-02-05 00:23:08
Local clock offset: 0.665 ms
Remote clock offset: -6.197 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.01 Mbit/s
95th percentile per-packet one-way delay: 65.514 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 53.228 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 66.928 ms
Loss rate: 1.18%
-- Flow 3:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 39.297 ms
Loss rate: 2.06%

Run 7: Report of TCP Vegas — Data Link

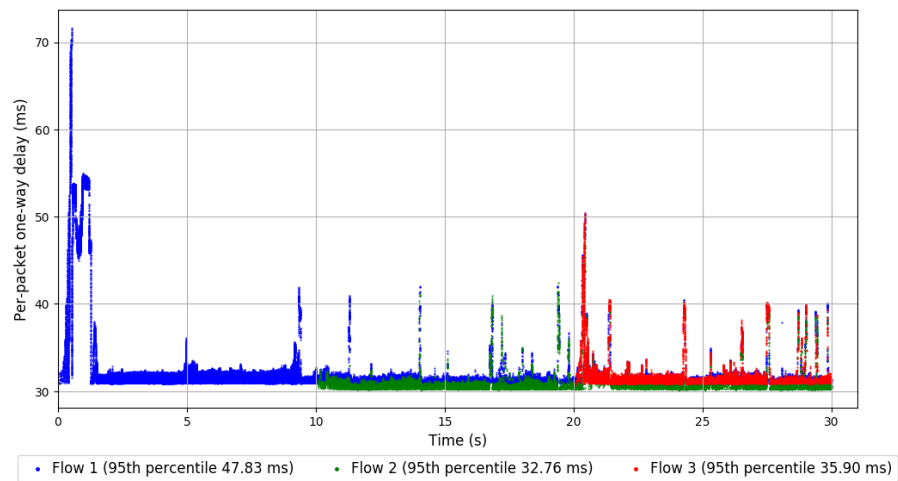
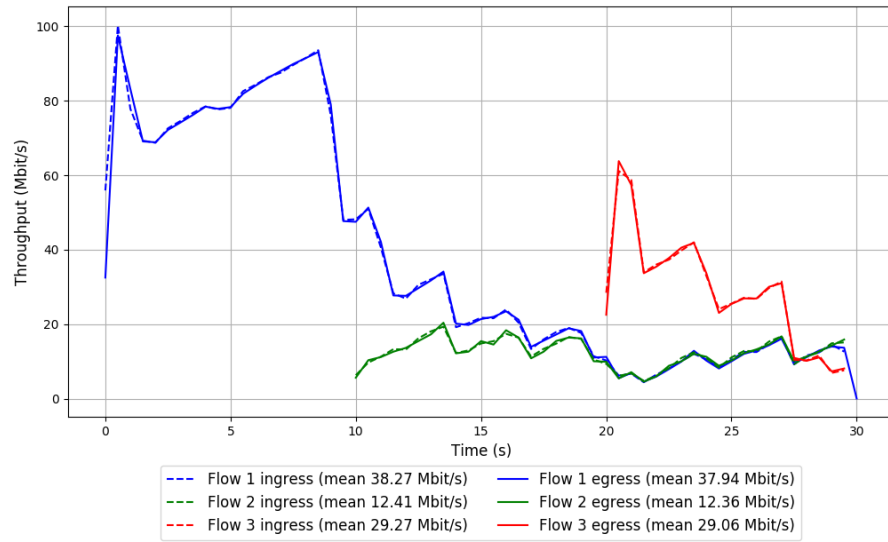


Run 8: Statistics of TCP Vegas

Start at: 2018-02-05 00:49:48
End at: 2018-02-05 00:50:18
Local clock offset: 1.013 ms
Remote clock offset: -4.374 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.81 Mbit/s
95th percentile per-packet one-way delay: 42.149 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 47.834 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 32.760 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 35.896 ms
Loss rate: 0.72%

Run 8: Report of TCP Vegas — Data Link

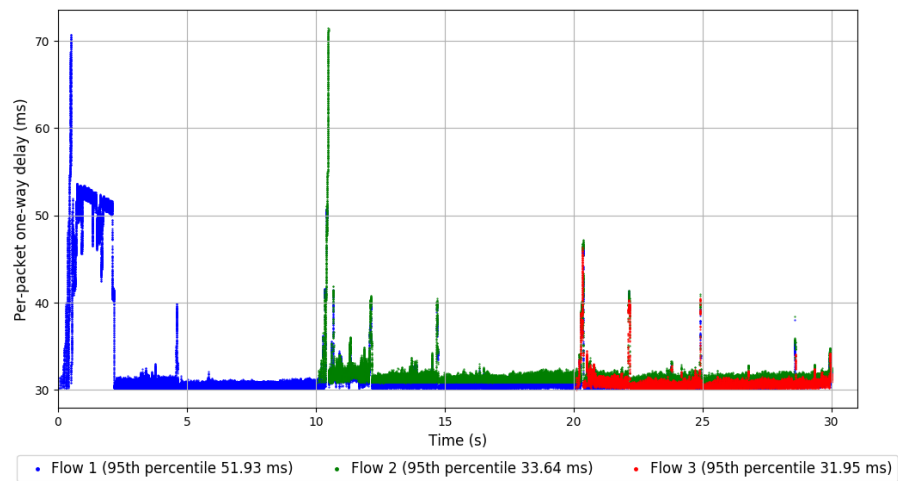
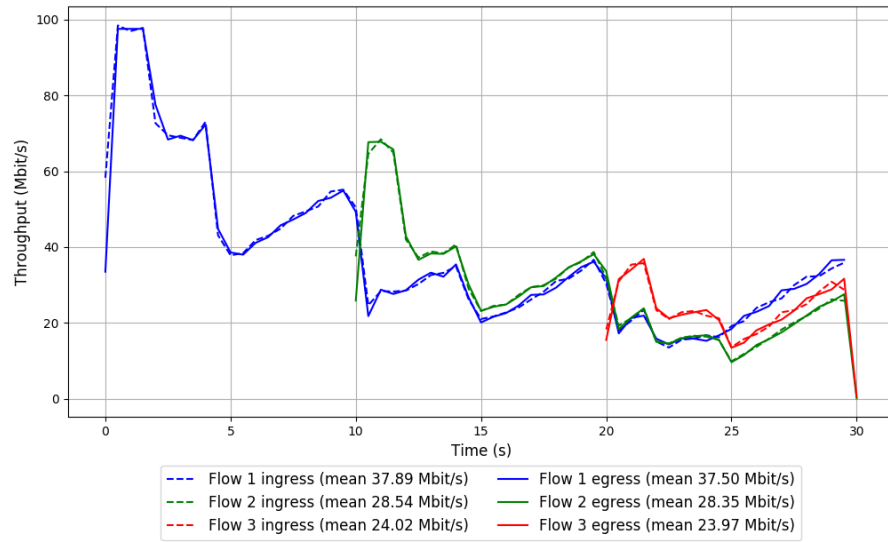


Run 9: Statistics of TCP Vegas

Start at: 2018-02-05 01:16:26
End at: 2018-02-05 01:16:56
Local clock offset: 1.186 ms
Remote clock offset: -3.292 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.33 Mbit/s
95th percentile per-packet one-way delay: 51.157 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 51.927 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 28.35 Mbit/s
95th percentile per-packet one-way delay: 33.642 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 31.947 ms
Loss rate: 0.22%

Run 9: Report of TCP Vegas — Data Link

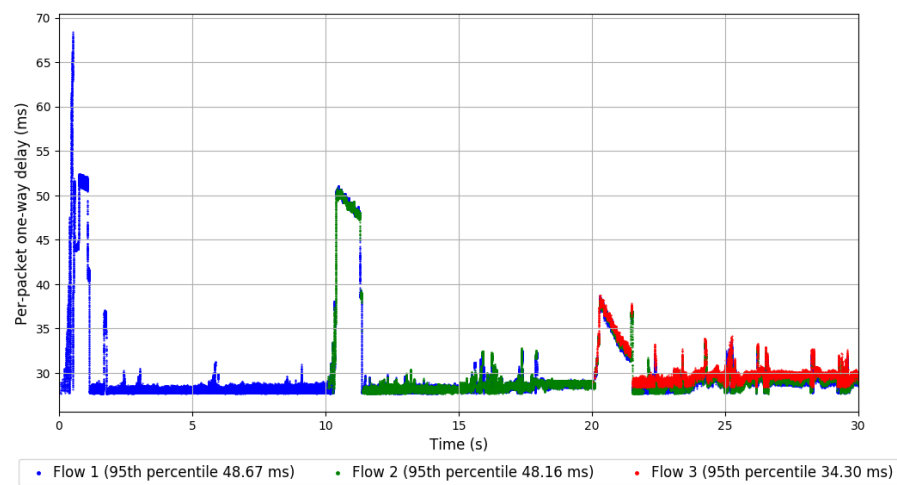
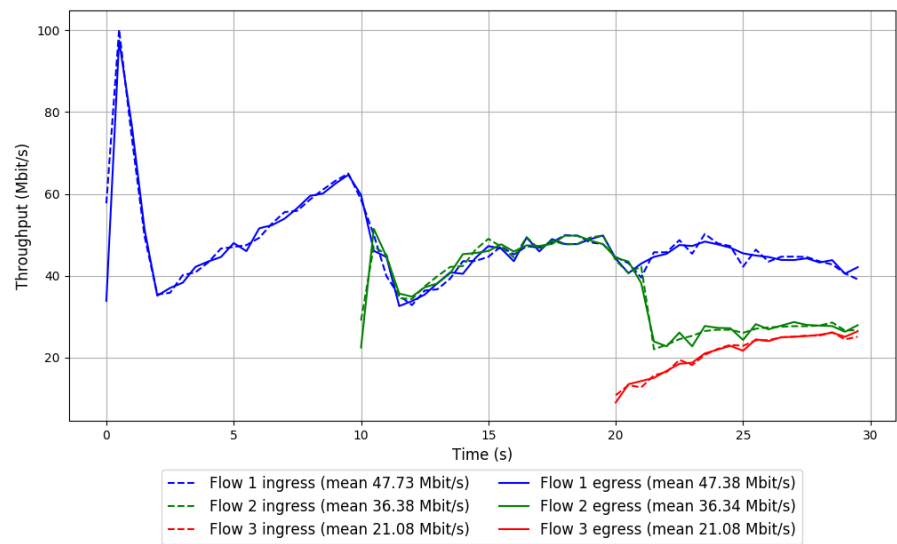


Run 10: Statistics of TCP Vegas

Start at: 2018-02-05 01:42:48
End at: 2018-02-05 01:43:18
Local clock offset: 1.306 ms
Remote clock offset: -5.806 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 48.115 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 48.669 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 36.34 Mbit/s
95th percentile per-packet one-way delay: 48.165 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 21.08 Mbit/s
95th percentile per-packet one-way delay: 34.300 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

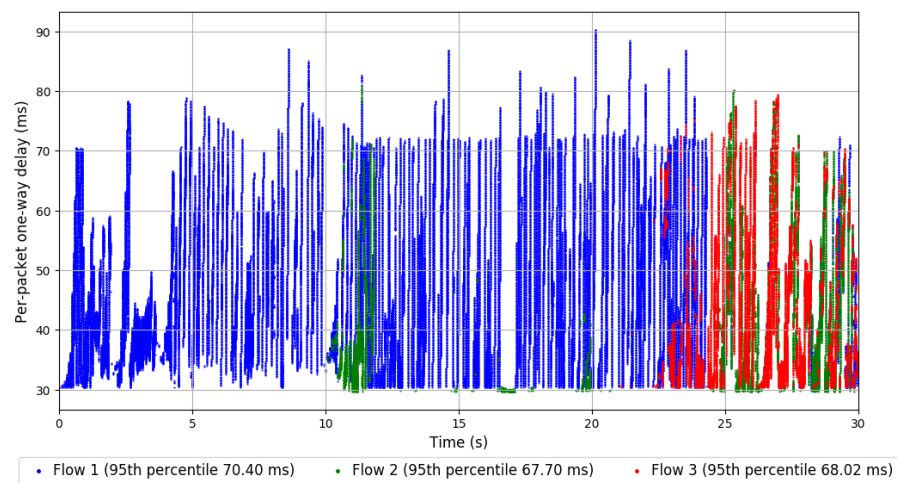
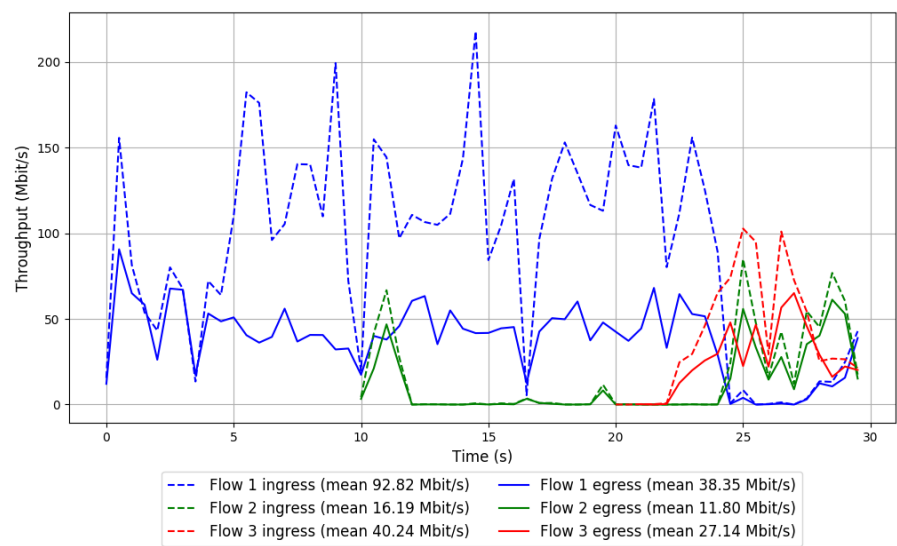


Run 1: Statistics of Verus

Start at: 2018-02-04 21:56:21
End at: 2018-02-04 21:56:51
Local clock offset: 0.079 ms
Remote clock offset: -6.306 ms

Below is generated by plot.py at 2018-02-05 02:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.25 Mbit/s
95th percentile per-packet one-way delay: 69.830 ms
Loss rate: 53.57%
-- Flow 1:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 70.398 ms
Loss rate: 58.68%
-- Flow 2:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 67.698 ms
Loss rate: 27.06%
-- Flow 3:
Average throughput: 27.14 Mbit/s
95th percentile per-packet one-way delay: 68.015 ms
Loss rate: 39.36%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-04 22:22:02

End at: 2018-02-04 22:22:32

Local clock offset: -0.202 ms

Remote clock offset: -6.35 ms

Below is generated by plot.py at 2018-02-05 02:48:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.66 Mbit/s

95th percentile per-packet one-way delay: 67.157 ms

Loss rate: 31.74%

-- Flow 1:

Average throughput: 31.55 Mbit/s

95th percentile per-packet one-way delay: 67.616 ms

Loss rate: 29.64%

-- Flow 2:

Average throughput: 40.96 Mbit/s

95th percentile per-packet one-way delay: 66.837 ms

Loss rate: 34.77%

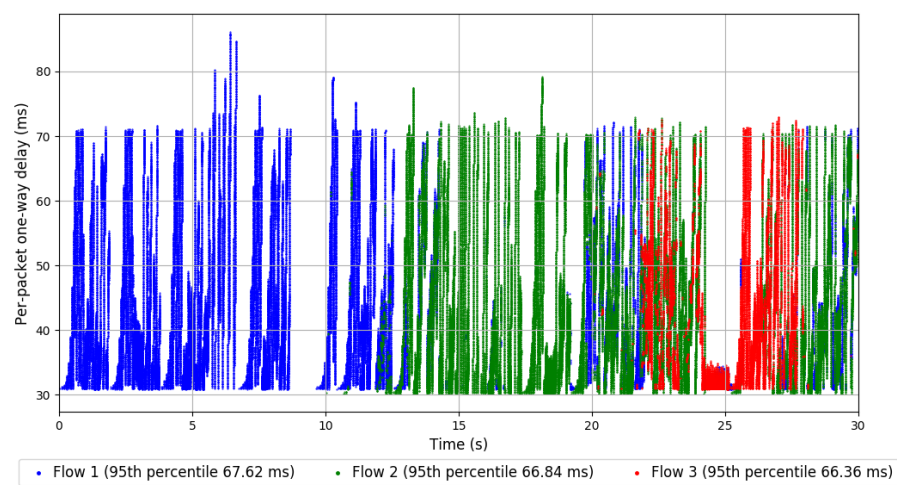
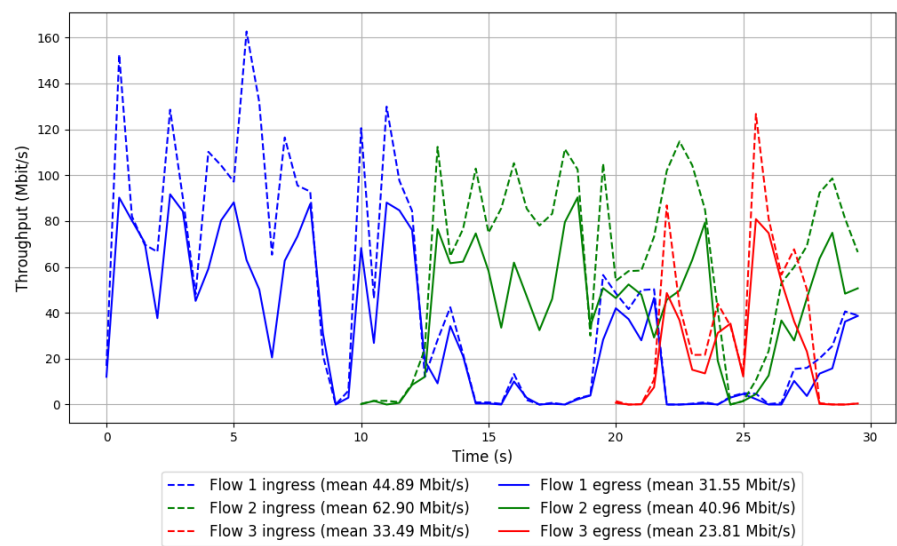
-- Flow 3:

Average throughput: 23.81 Mbit/s

95th percentile per-packet one-way delay: 66.362 ms

Loss rate: 28.76%

Run 2: Report of Verus — Data Link

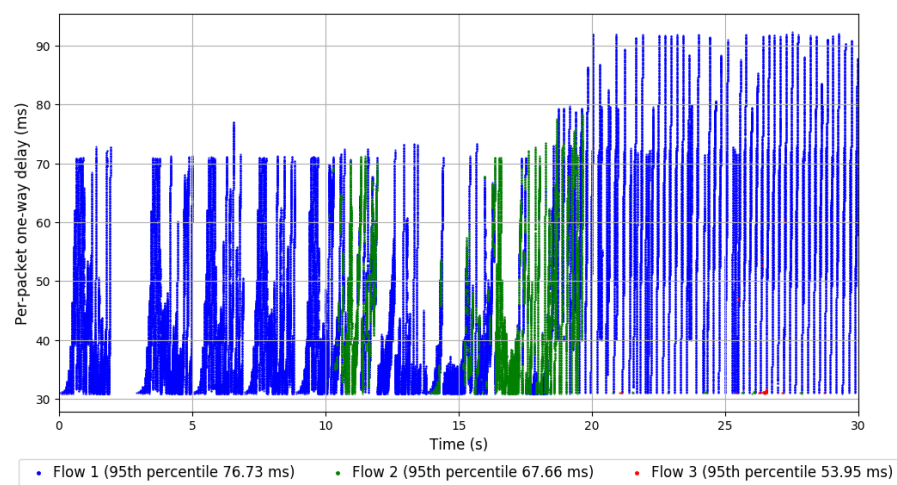
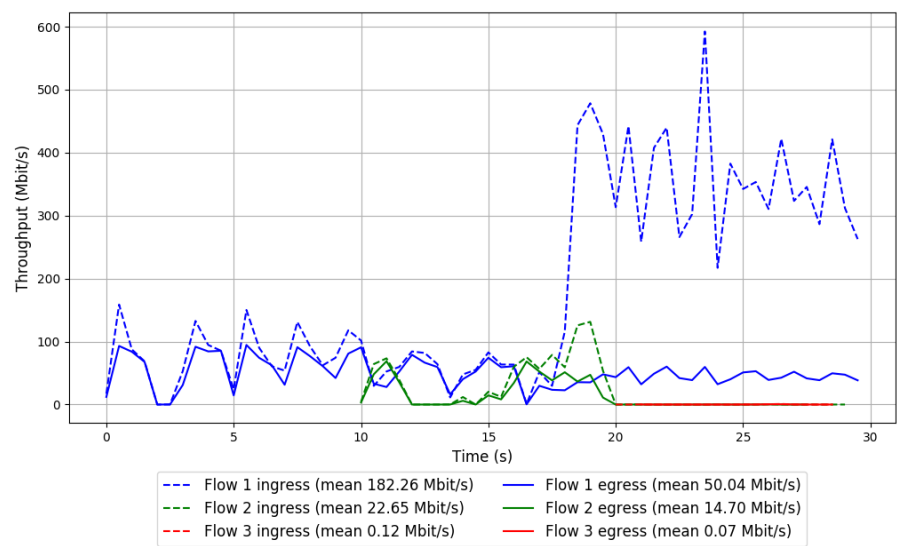


Run 3: Statistics of Verus

Start at: 2018-02-04 22:47:46
End at: 2018-02-04 22:48:16
Local clock offset: -0.271 ms
Remote clock offset: -7.172 ms

Below is generated by plot.py at 2018-02-05 02:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 75.056 ms
Loss rate: 70.09%
-- Flow 1:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: 76.733 ms
Loss rate: 72.52%
-- Flow 2:
Average throughput: 14.70 Mbit/s
95th percentile per-packet one-way delay: 67.657 ms
Loss rate: 39.58%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 53.948 ms
Loss rate: 50.55%

Run 3: Report of Verus — Data Link

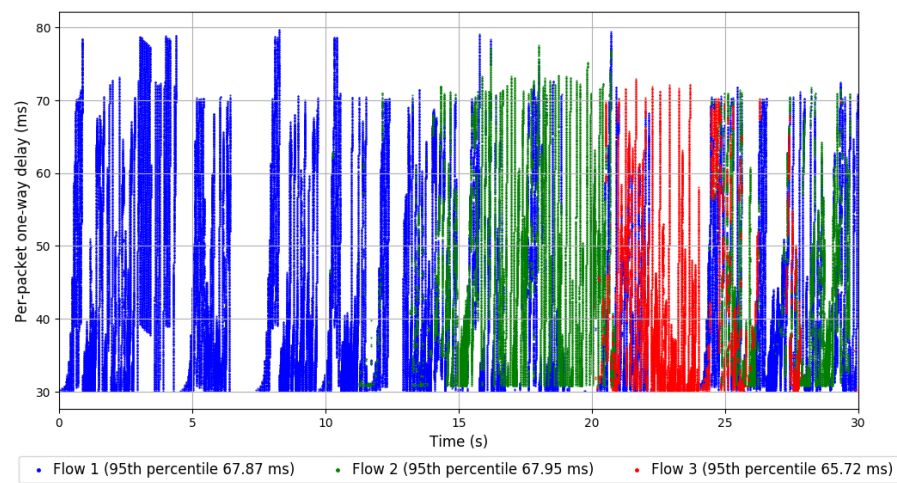
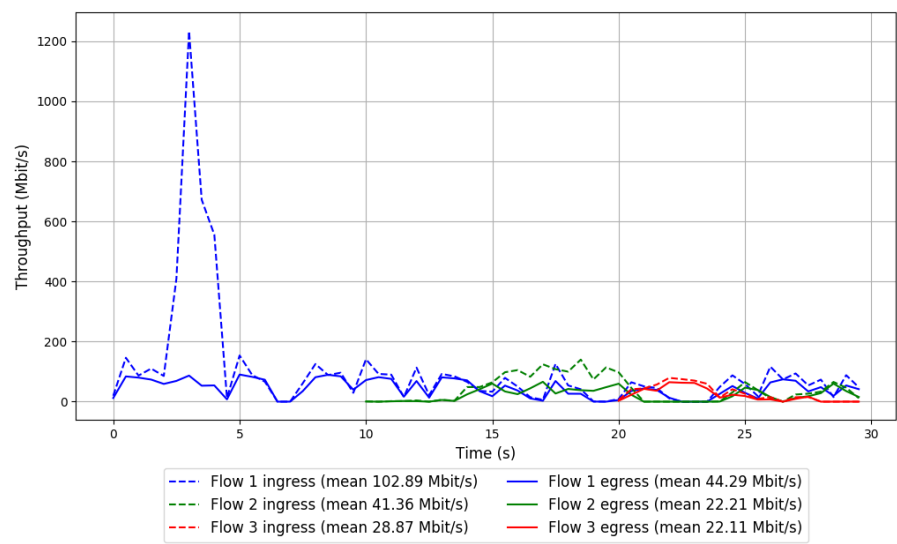


Run 4: Statistics of Verus

Start at: 2018-02-04 23:14:04
End at: 2018-02-04 23:14:34
Local clock offset: -0.178 ms
Remote clock offset: -8.559 ms

Below is generated by plot.py at 2018-02-05 02:49:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 67.711 ms
Loss rate: 52.59%
-- Flow 1:
Average throughput: 44.29 Mbit/s
95th percentile per-packet one-way delay: 67.872 ms
Loss rate: 56.93%
-- Flow 2:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 67.954 ms
Loss rate: 46.29%
-- Flow 3:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 65.722 ms
Loss rate: 23.50%

Run 4: Report of Verus — Data Link

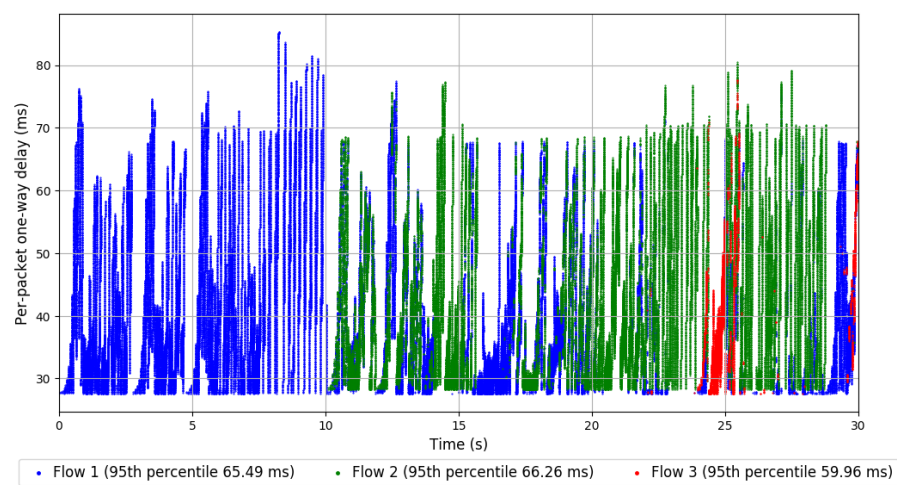
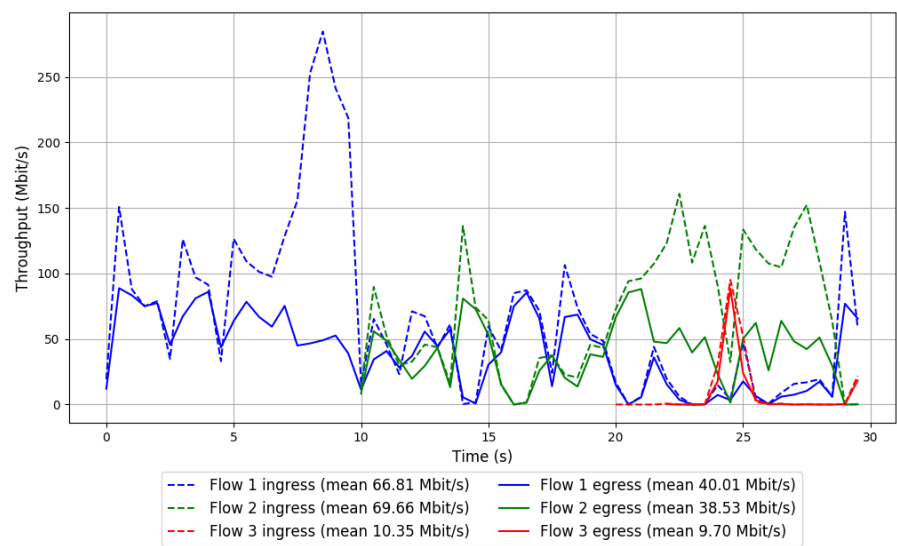


Run 5: Statistics of Verus

Start at: 2018-02-04 23:40:30
End at: 2018-02-04 23:41:00
Local clock offset: 0.234 ms
Remote clock offset: -10.873 ms

Below is generated by plot.py at 2018-02-05 02:49:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.17 Mbit/s
95th percentile per-packet one-way delay: 65.706 ms
Loss rate: 41.42%
-- Flow 1:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 65.491 ms
Loss rate: 40.05%
-- Flow 2:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 66.263 ms
Loss rate: 44.61%
-- Flow 3:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 59.958 ms
Loss rate: 25.05%

Run 5: Report of Verus — Data Link

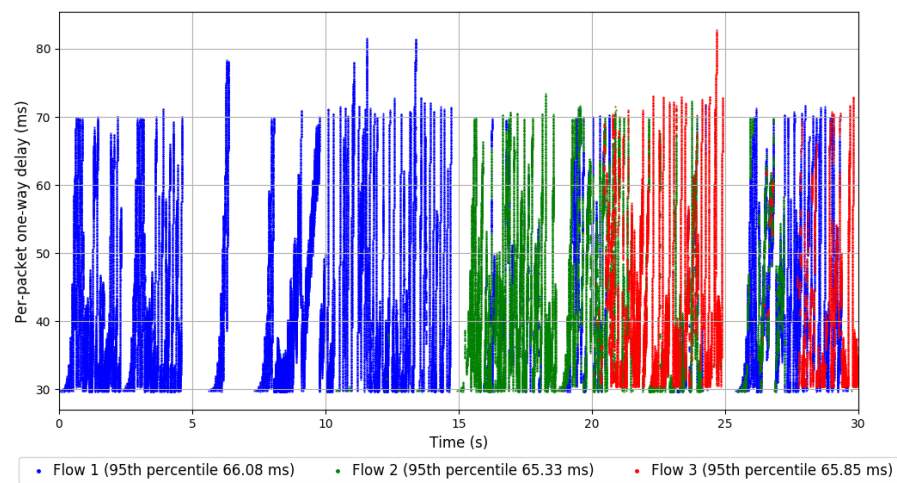
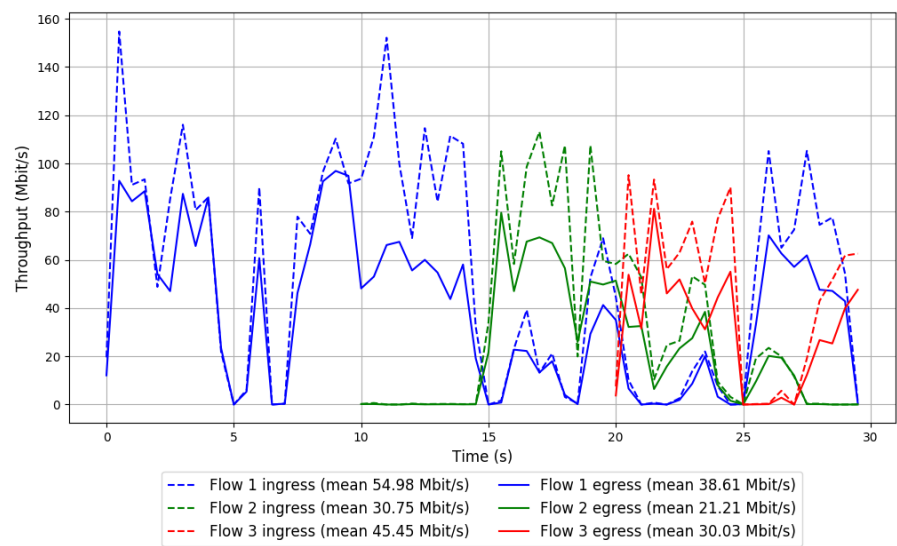


Run 6: Statistics of Verus

Start at: 2018-02-05 00:06:45
End at: 2018-02-05 00:07:15
Local clock offset: 0.574 ms
Remote clock offset: -7.473 ms

Below is generated by plot.py at 2018-02-05 02:49:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.03 Mbit/s
95th percentile per-packet one-way delay: 65.898 ms
Loss rate: 30.87%
-- Flow 1:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 66.077 ms
Loss rate: 29.90%
-- Flow 2:
Average throughput: 21.21 Mbit/s
95th percentile per-packet one-way delay: 65.326 ms
Loss rate: 31.20%
-- Flow 3:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 65.849 ms
Loss rate: 33.91%

Run 6: Report of Verus — Data Link

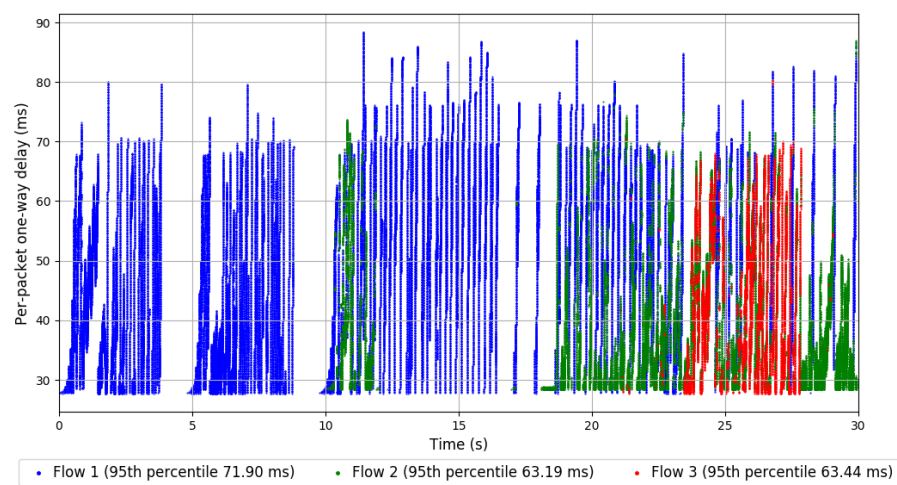
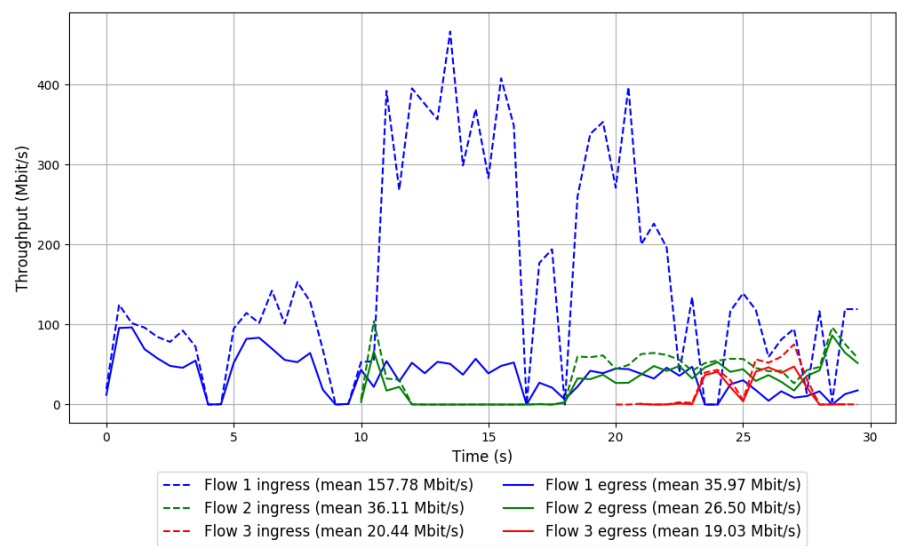


Run 7: Statistics of Verus

Start at: 2018-02-05 00:33:09
End at: 2018-02-05 00:33:39
Local clock offset: 0.788 ms
Remote clock offset: -8.239 ms

Below is generated by plot.py at 2018-02-05 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.62 Mbit/s
95th percentile per-packet one-way delay: 69.079 ms
Loss rate: 68.84%
-- Flow 1:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 71.903 ms
Loss rate: 77.18%
-- Flow 2:
Average throughput: 26.50 Mbit/s
95th percentile per-packet one-way delay: 63.194 ms
Loss rate: 26.61%
-- Flow 3:
Average throughput: 19.03 Mbit/s
95th percentile per-packet one-way delay: 63.439 ms
Loss rate: 24.62%

Run 7: Report of Verus — Data Link

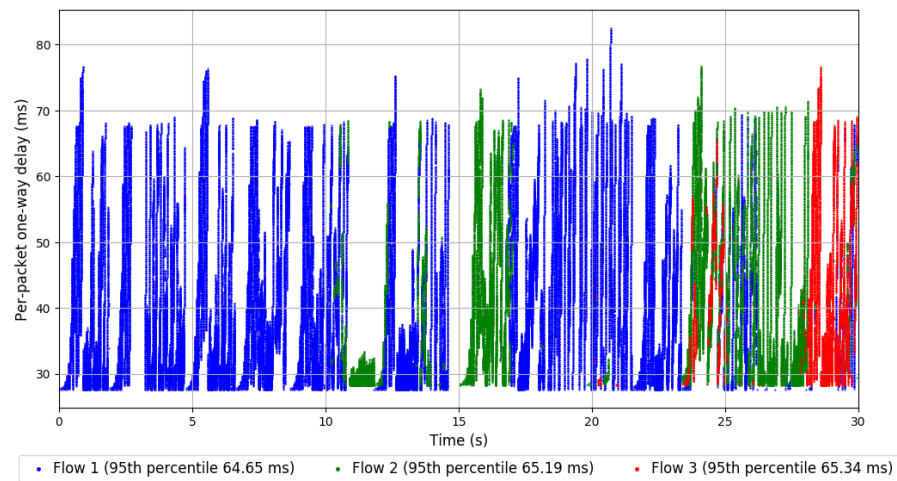
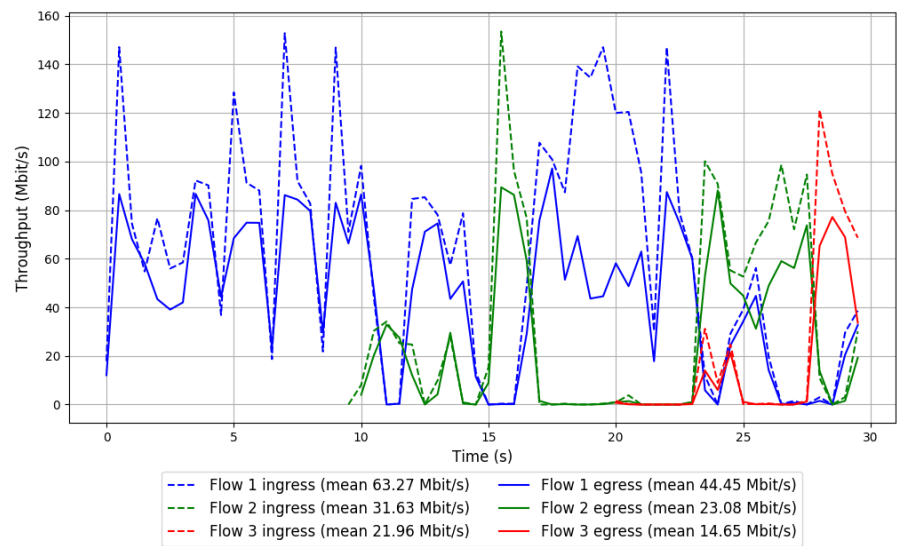


Run 8: Statistics of Verus

Start at: 2018-02-05 01:00:10
End at: 2018-02-05 01:00:40
Local clock offset: 1.04 ms
Remote clock offset: -6.378 ms

Below is generated by plot.py at 2018-02-05 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.65 Mbit/s
95th percentile per-packet one-way delay: 64.836 ms
Loss rate: 29.39%
-- Flow 1:
Average throughput: 44.45 Mbit/s
95th percentile per-packet one-way delay: 64.653 ms
Loss rate: 29.74%
-- Flow 2:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 65.186 ms
Loss rate: 27.02%
-- Flow 3:
Average throughput: 14.65 Mbit/s
95th percentile per-packet one-way delay: 65.341 ms
Loss rate: 33.19%

Run 8: Report of Verus — Data Link

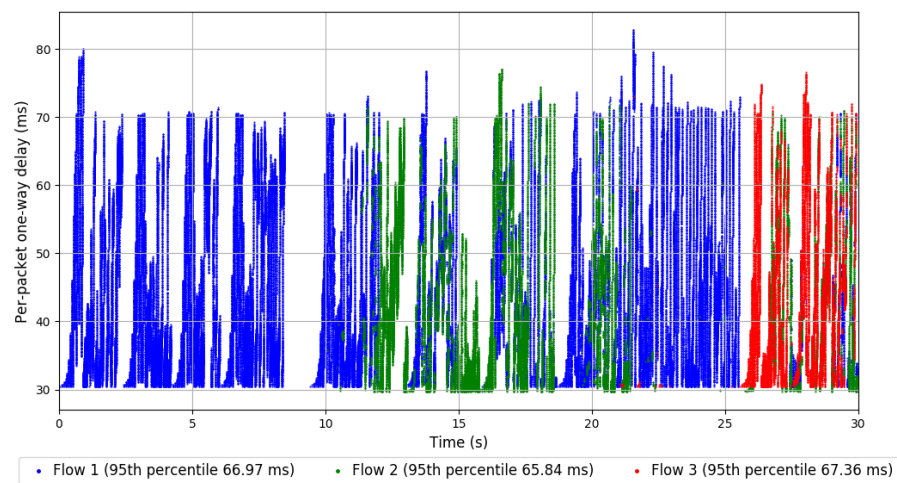
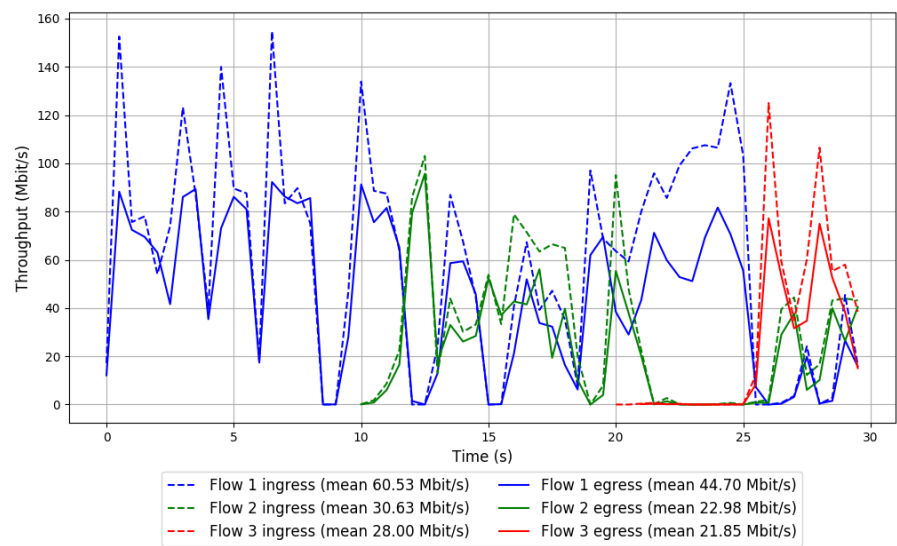


Run 9: Statistics of Verus

Start at: 2018-02-05 01:26:46
End at: 2018-02-05 01:27:16
Local clock offset: 1.282 ms
Remote clock offset: -3.586 ms

Below is generated by plot.py at 2018-02-05 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 66.776 ms
Loss rate: 26.28%
-- Flow 1:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 66.975 ms
Loss rate: 26.16%
-- Flow 2:
Average throughput: 22.98 Mbit/s
95th percentile per-packet one-way delay: 65.841 ms
Loss rate: 25.00%
-- Flow 3:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 67.363 ms
Loss rate: 29.86%

Run 9: Report of Verus — Data Link

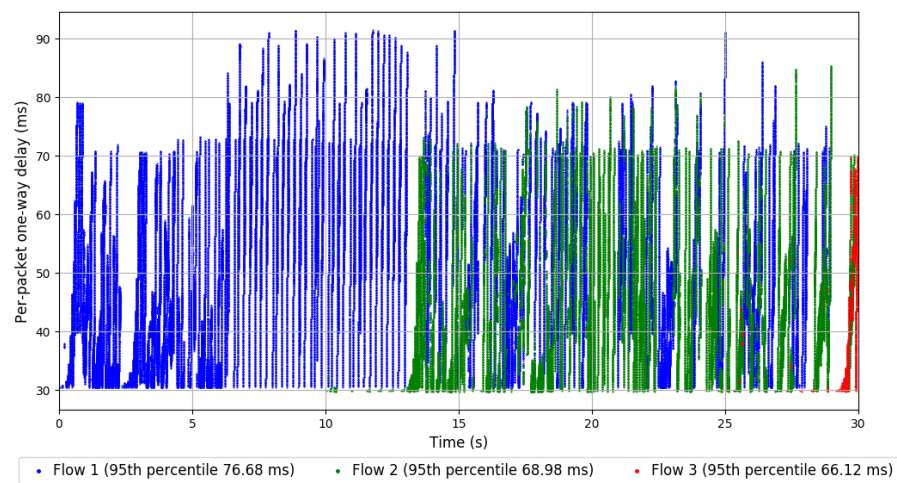
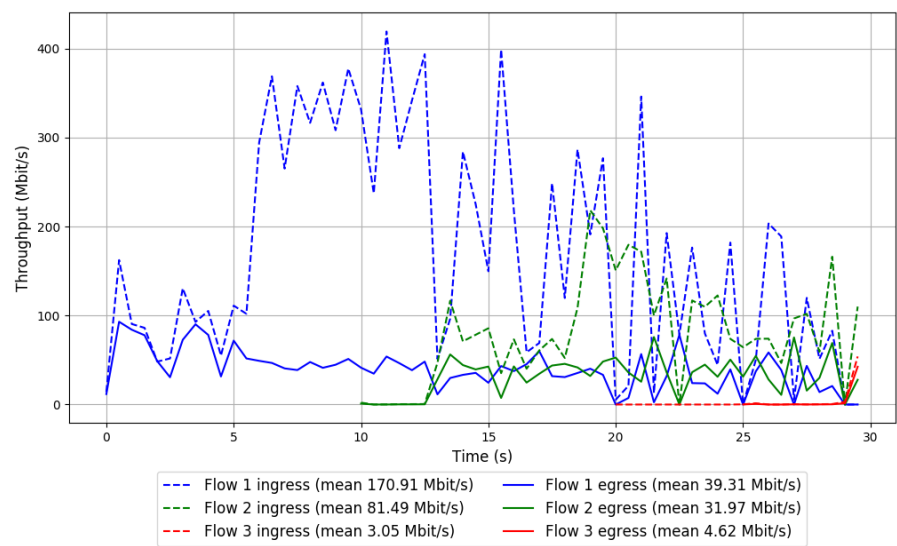


Run 10: Statistics of Verus

Start at: 2018-02-05 01:53:00
End at: 2018-02-05 01:53:30
Local clock offset: 1.267 ms
Remote clock offset: -3.703 ms

Below is generated by plot.py at 2018-02-05 02:50:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 74.205 ms
Loss rate: 72.91%
-- Flow 1:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 76.679 ms
Loss rate: 77.04%
-- Flow 2:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 68.977 ms
Loss rate: 60.71%
-- Flow 3:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 66.121 ms
Loss rate: 24.68%

Run 10: Report of Verus — Data Link

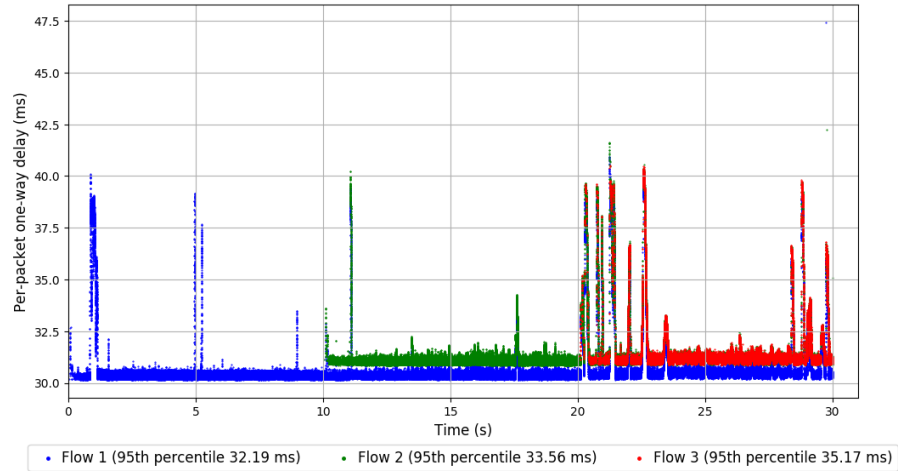
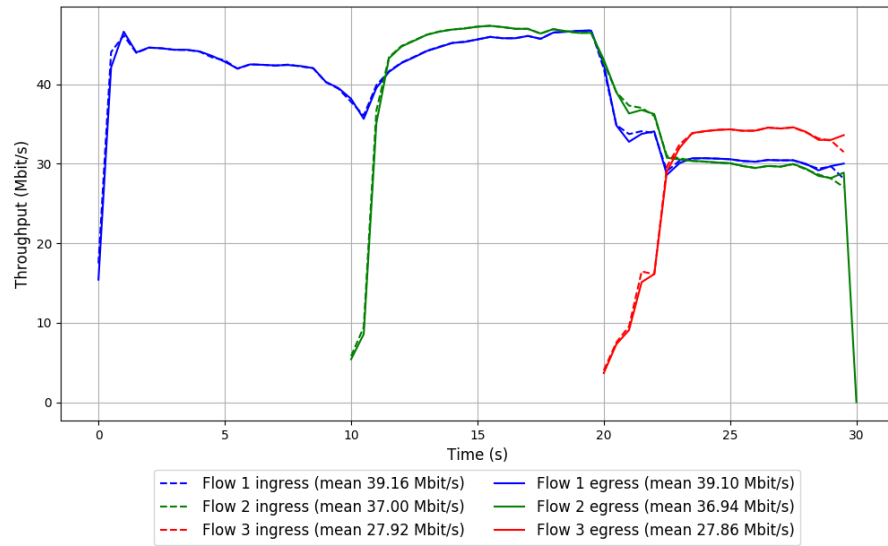


Run 1: Statistics of Copa

Start at: 2018-02-04 22:06:29
End at: 2018-02-04 22:06:59
Local clock offset: -0.058 ms
Remote clock offset: -6.025 ms

Below is generated by plot.py at 2018-02-05 02:51:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.94 Mbit/s
95th percentile per-packet one-way delay: 33.108 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 32.194 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 36.94 Mbit/s
95th percentile per-packet one-way delay: 33.565 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 27.86 Mbit/s
95th percentile per-packet one-way delay: 35.172 ms
Loss rate: 0.22%

Run 1: Report of Copa — Data Link

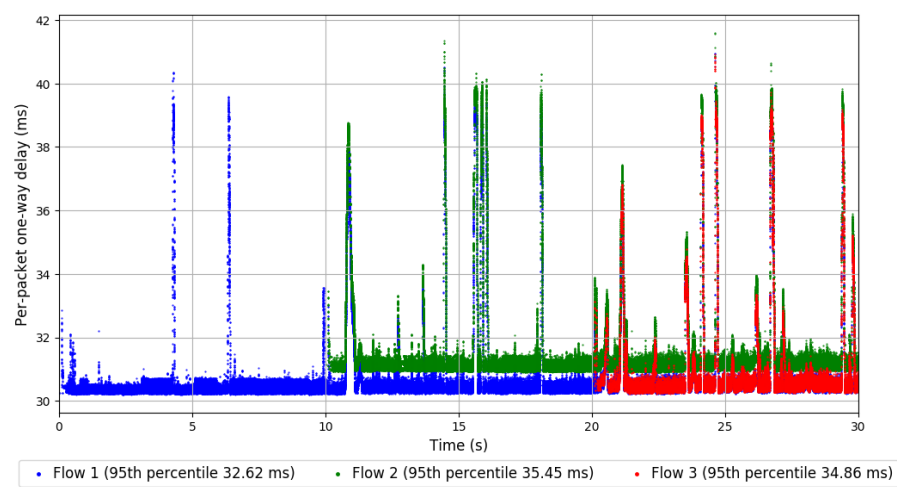
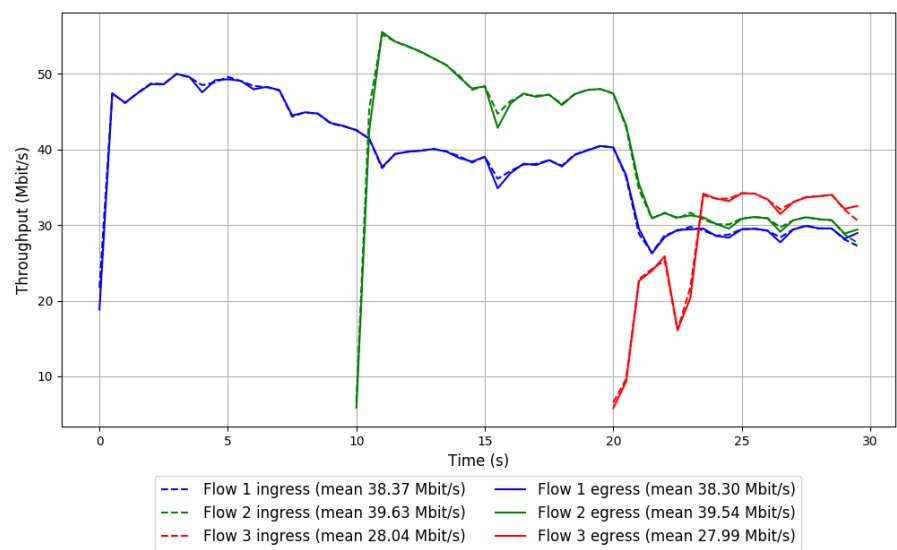


Run 2: Statistics of Copa

Start at: 2018-02-04 22:31:51
End at: 2018-02-04 22:32:21
Local clock offset: -0.292 ms
Remote clock offset: -6.592 ms

Below is generated by plot.py at 2018-02-05 02:51:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.94 Mbit/s
95th percentile per-packet one-way delay: 34.098 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 38.30 Mbit/s
95th percentile per-packet one-way delay: 32.624 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 35.448 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 27.99 Mbit/s
95th percentile per-packet one-way delay: 34.857 ms
Loss rate: 0.19%

Run 2: Report of Copa — Data Link

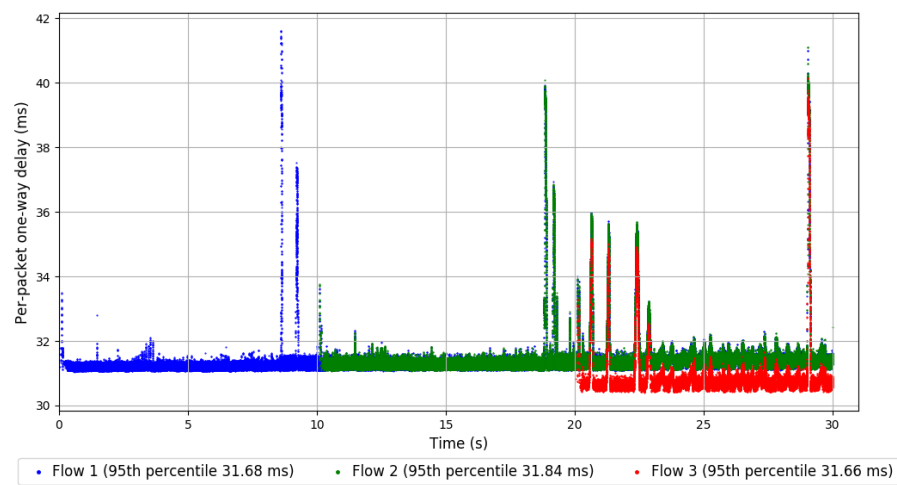
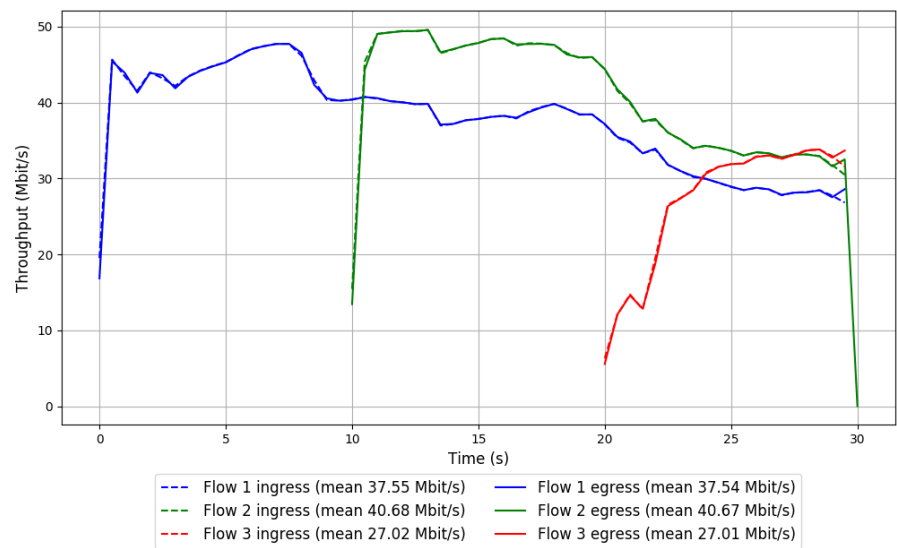


Run 3: Statistics of Copa

Start at: 2018-02-04 22:57:56
End at: 2018-02-04 22:58:26
Local clock offset: -0.384 ms
Remote clock offset: -7.649 ms

Below is generated by plot.py at 2018-02-05 02:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 31.743 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 31.684 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 31.836 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 27.01 Mbit/s
95th percentile per-packet one-way delay: 31.658 ms
Loss rate: 0.03%

Run 3: Report of Copa — Data Link

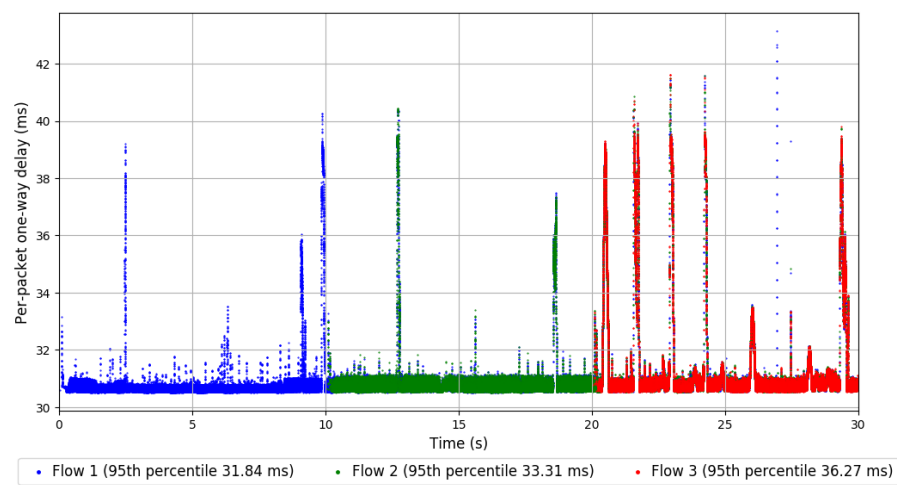
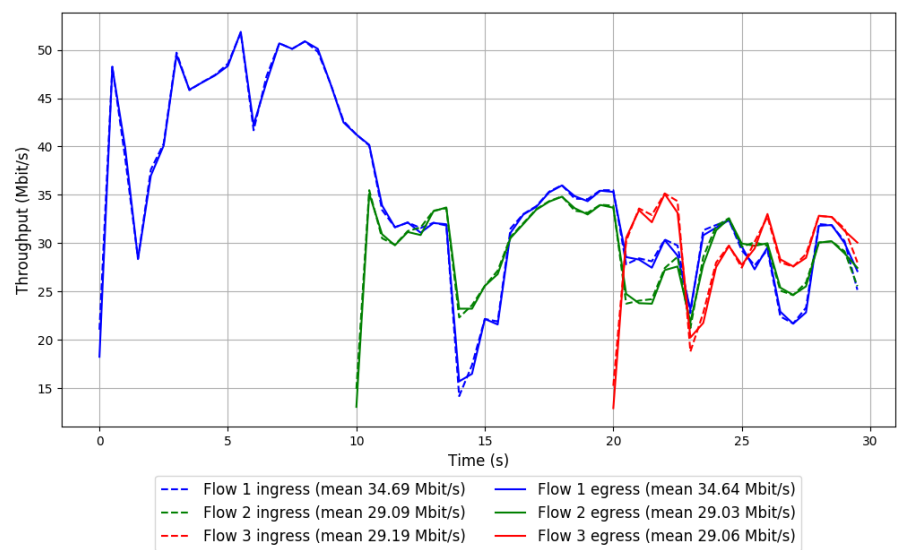


Run 4: Statistics of Copa

Start at: 2018-02-04 23:24:19
End at: 2018-02-04 23:24:49
Local clock offset: -0.135 ms
Remote clock offset: -9.194 ms

Below is generated by plot.py at 2018-02-05 02:51:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.61 Mbit/s
95th percentile per-packet one-way delay: 33.233 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 31.837 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 33.315 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 36.270 ms
Loss rate: 0.45%

Run 4: Report of Copa — Data Link

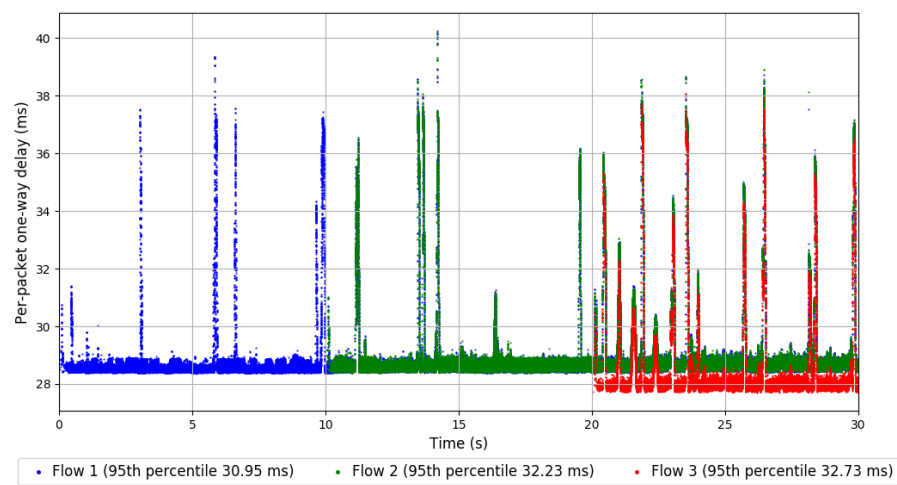
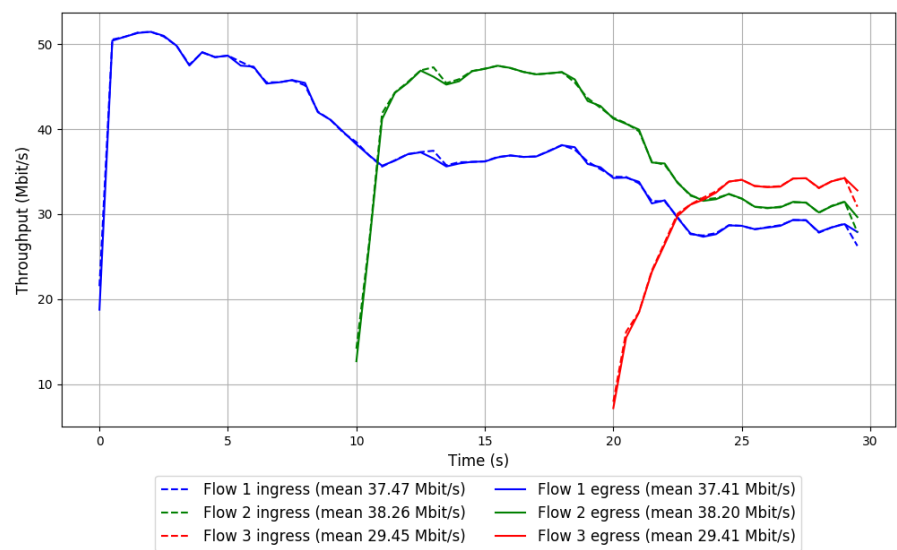


Run 5: Statistics of Copa

Start at: 2018-02-04 23:50:49
End at: 2018-02-04 23:51:19
Local clock offset: 0.294 ms
Remote clock offset: -10.347 ms

Below is generated by plot.py at 2018-02-05 02:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.64 Mbit/s
95th percentile per-packet one-way delay: 31.746 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 30.947 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 32.225 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 32.732 ms
Loss rate: 0.12%

Run 5: Report of Copa — Data Link

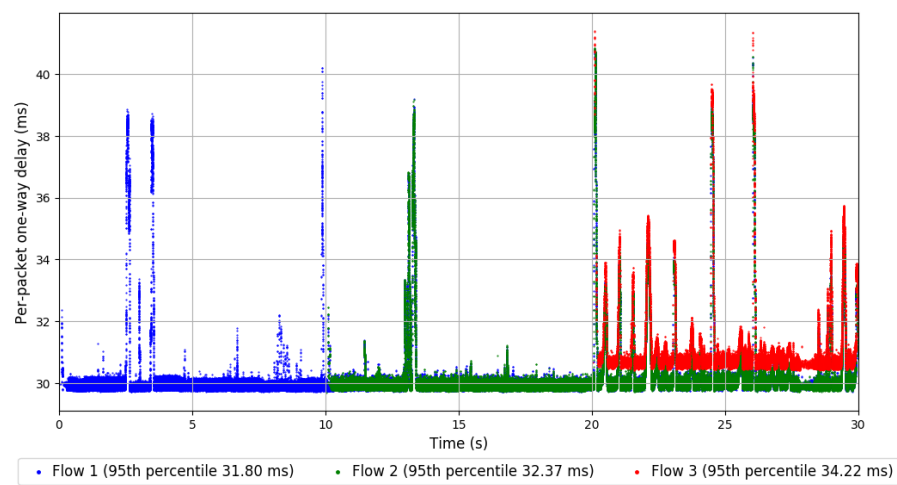
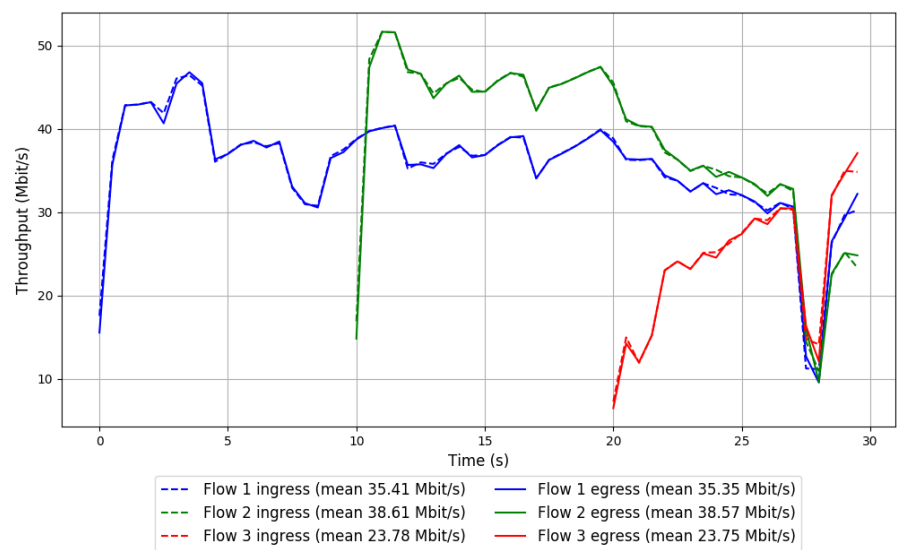


Run 6: Statistics of Copa

Start at: 2018-02-05 00:16:53
End at: 2018-02-05 00:17:23
Local clock offset: 0.684 ms
Remote clock offset: -6.927 ms

Below is generated by plot.py at 2018-02-05 02:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 32.545 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 35.35 Mbit/s
95th percentile per-packet one-way delay: 31.800 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 38.57 Mbit/s
95th percentile per-packet one-way delay: 32.367 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 34.216 ms
Loss rate: 0.14%

Run 6: Report of Copa — Data Link

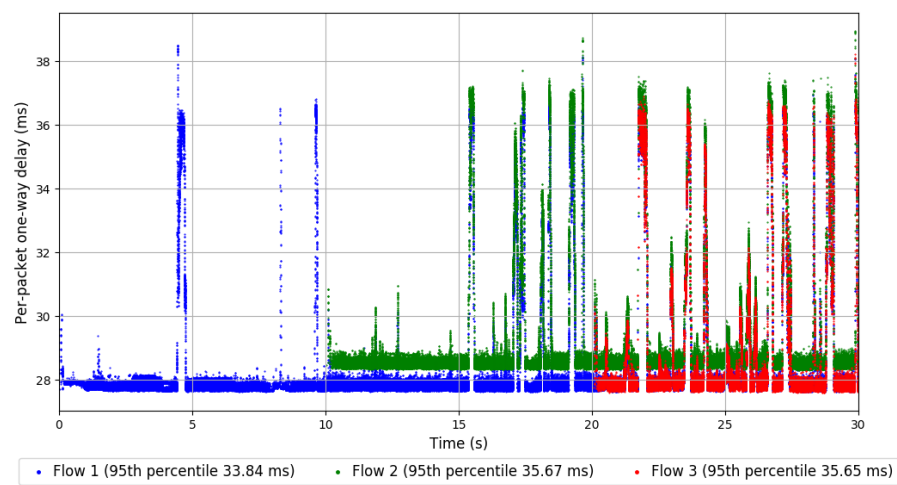
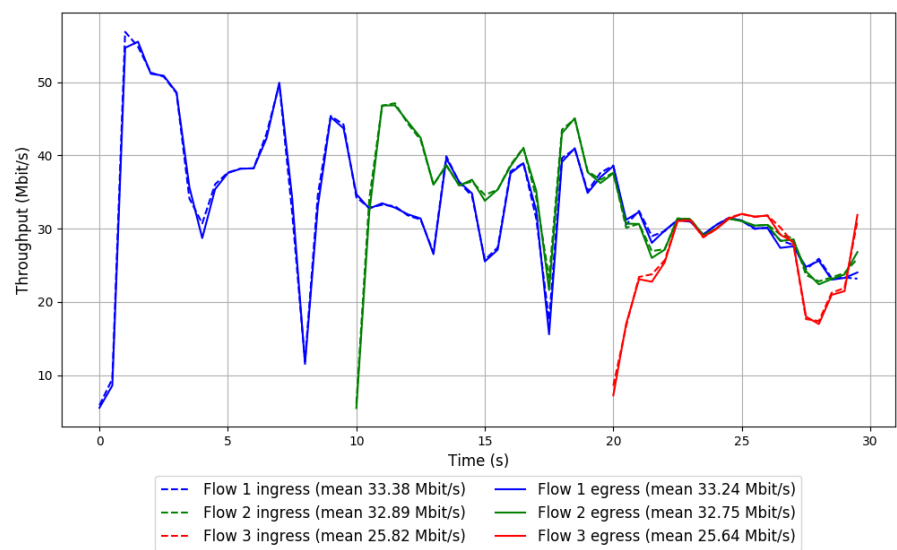


Run 7: Statistics of Copa

Start at: 2018-02-05 00:43:48
End at: 2018-02-05 00:44:18
Local clock offset: 1.003 ms
Remote clock offset: -7.388 ms

Below is generated by plot.py at 2018-02-05 02:51:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 35.046 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 33.24 Mbit/s
95th percentile per-packet one-way delay: 33.842 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 35.669 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 35.654 ms
Loss rate: 0.69%

Run 7: Report of Copa — Data Link

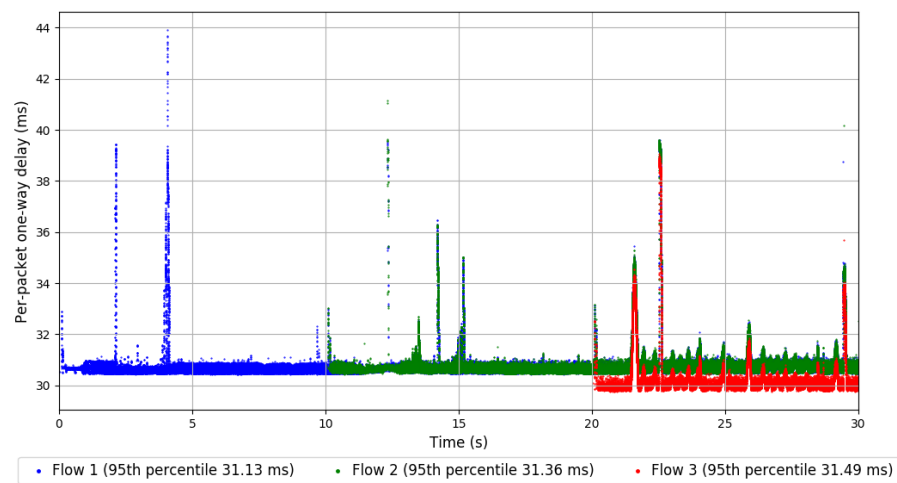
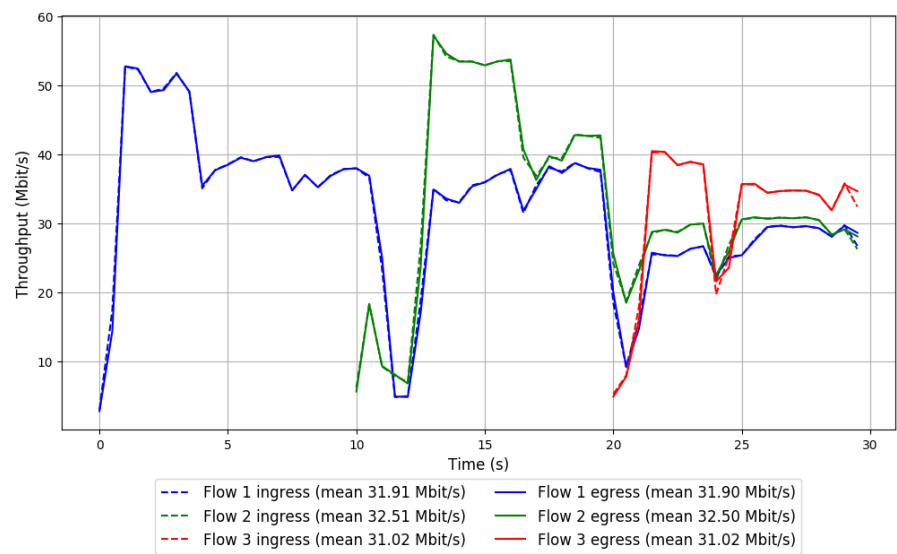


Run 8: Statistics of Copa

Start at: 2018-02-05 01:10:27
End at: 2018-02-05 01:10:57
Local clock offset: 1.102 ms
Remote clock offset: -3.841 ms

Below is generated by plot.py at 2018-02-05 02:52:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.84 Mbit/s
95th percentile per-packet one-way delay: 31.240 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.131 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 31.358 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 31.494 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

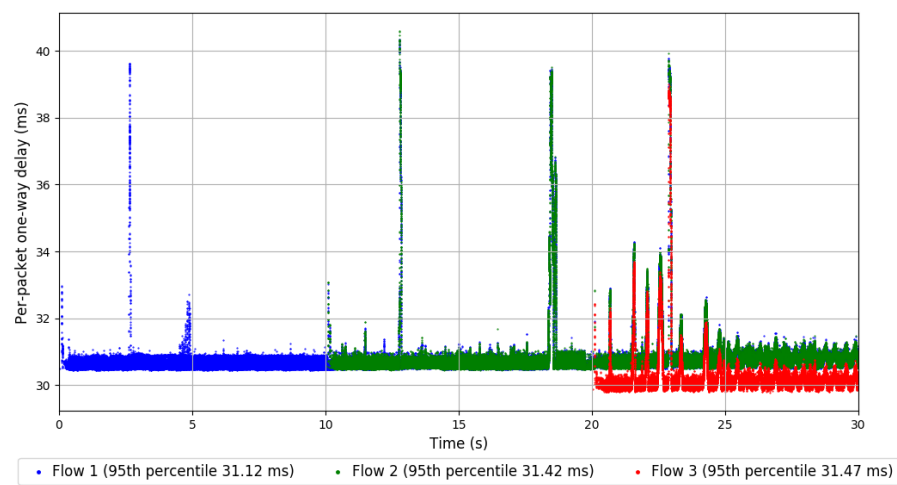
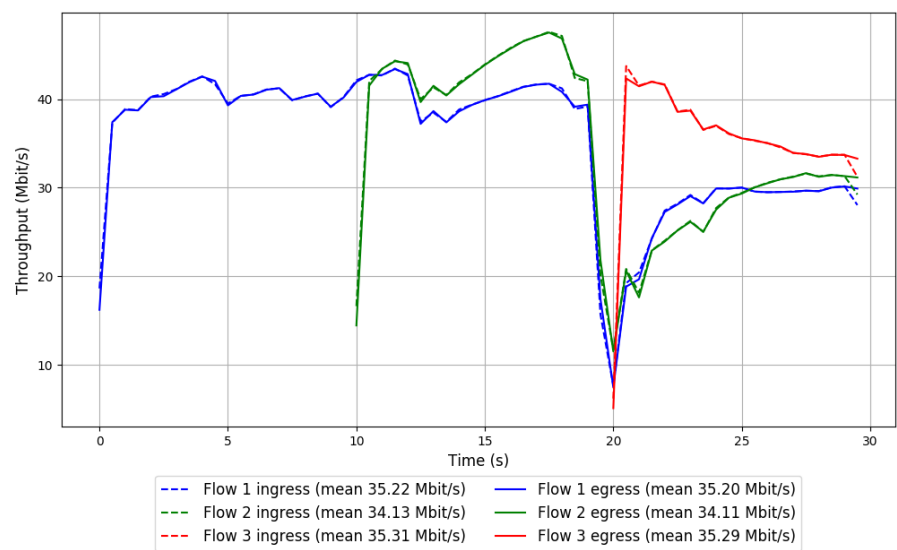


Run 9: Statistics of Copa

Start at: 2018-02-05 01:37:00
End at: 2018-02-05 01:37:30
Local clock offset: 1.24 ms
Remote clock offset: -3.789 ms

Below is generated by plot.py at 2018-02-05 02:53:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.62 Mbit/s
95th percentile per-packet one-way delay: 31.234 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 31.122 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 31.423 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 31.474 ms
Loss rate: 0.06%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-05 02:03:23

End at: 2018-02-05 02:03:53

Local clock offset: 1.146 ms

Remote clock offset: -3.95 ms

Below is generated by plot.py at 2018-02-05 02:53:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 33.564 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 32.27 Mbit/s

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

Loss rate: 0.27%

-- Flow 2:

Average throughput: 30.30 Mbit/s

95th percentile per-packet one-way delay: 34.737 ms

Loss rate: 0.31%

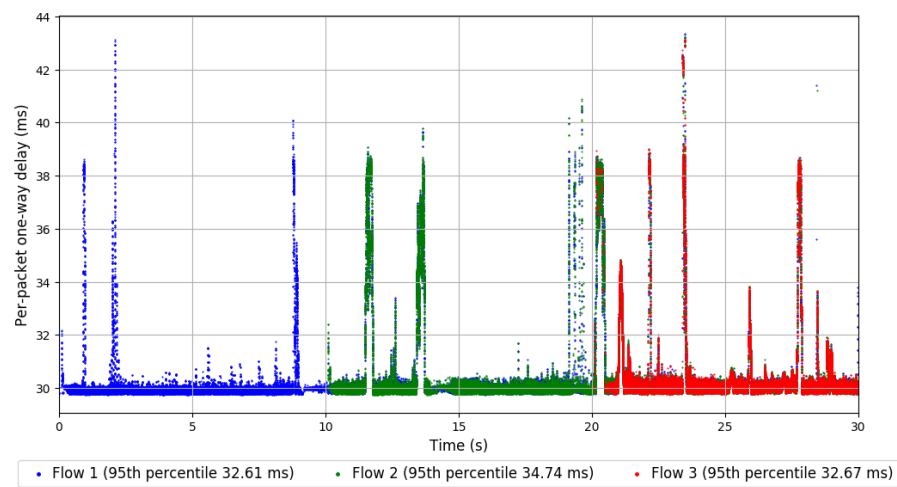
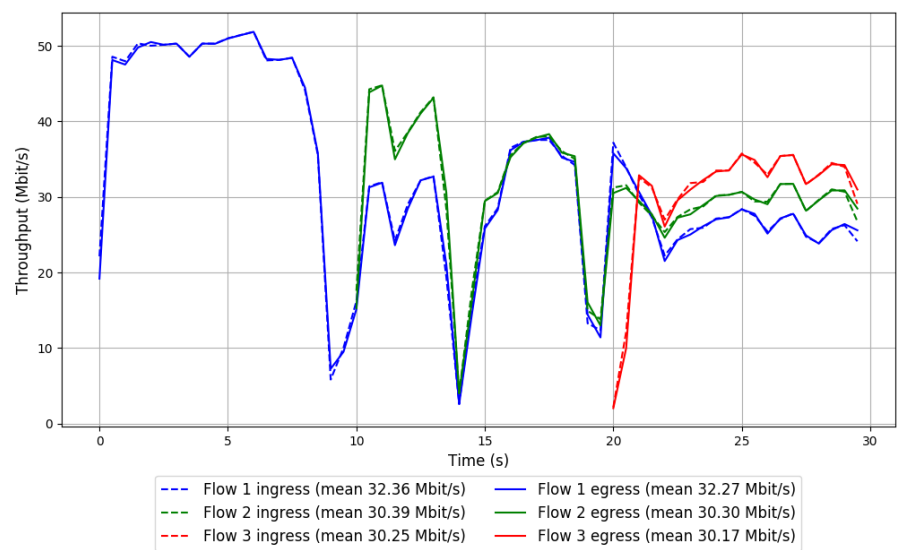
-- Flow 3:

Average throughput: 30.17 Mbit/s

95th percentile per-packet one-way delay: 32.673 ms

Loss rate: 0.29%

Run 10: Report of Copa — Data Link

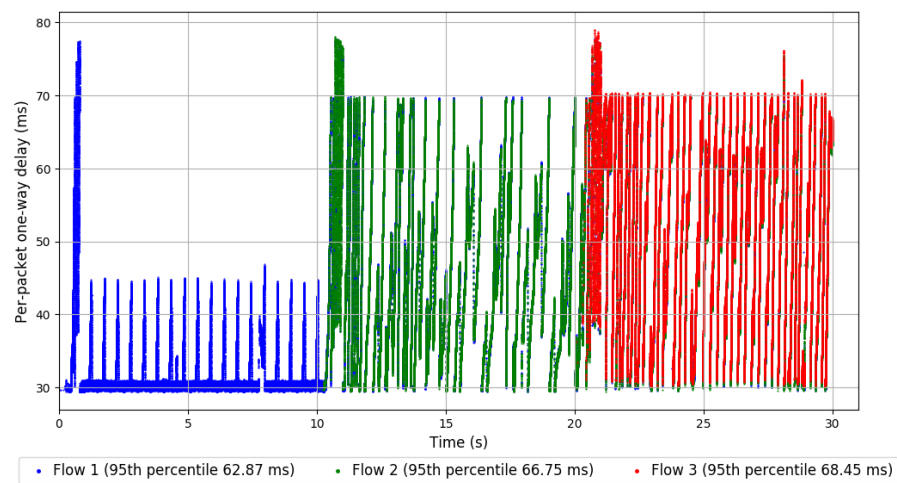
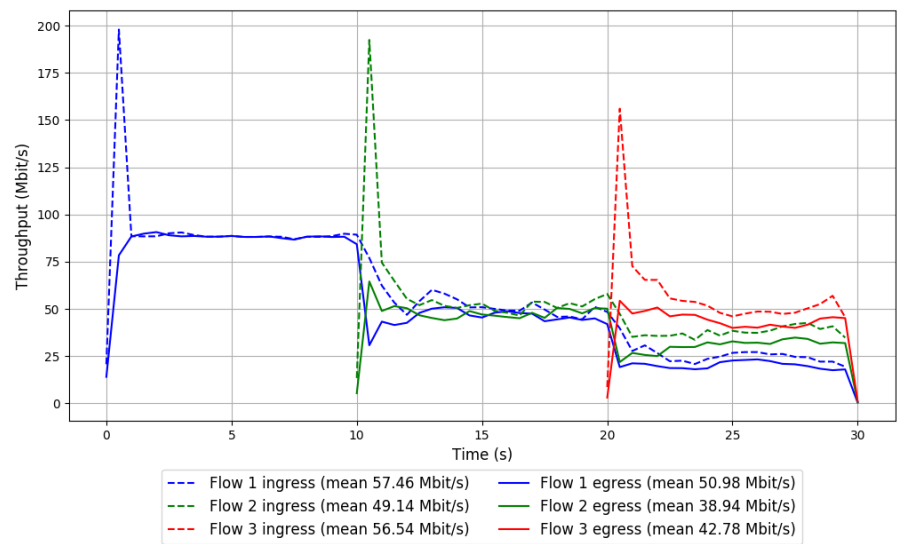


Run 1: Statistics of FillP

Start at: 2018-02-04 21:50:40
End at: 2018-02-04 21:51:10
Local clock offset: 0.169 ms
Remote clock offset: -6.052 ms

Below is generated by plot.py at 2018-02-05 02:54:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 66.042 ms
Loss rate: 16.24%
-- Flow 1:
Average throughput: 50.98 Mbit/s
95th percentile per-packet one-way delay: 62.869 ms
Loss rate: 11.18%
-- Flow 2:
Average throughput: 38.94 Mbit/s
95th percentile per-packet one-way delay: 66.747 ms
Loss rate: 20.63%
-- Flow 3:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 68.447 ms
Loss rate: 24.10%

Run 1: Report of FillP — Data Link

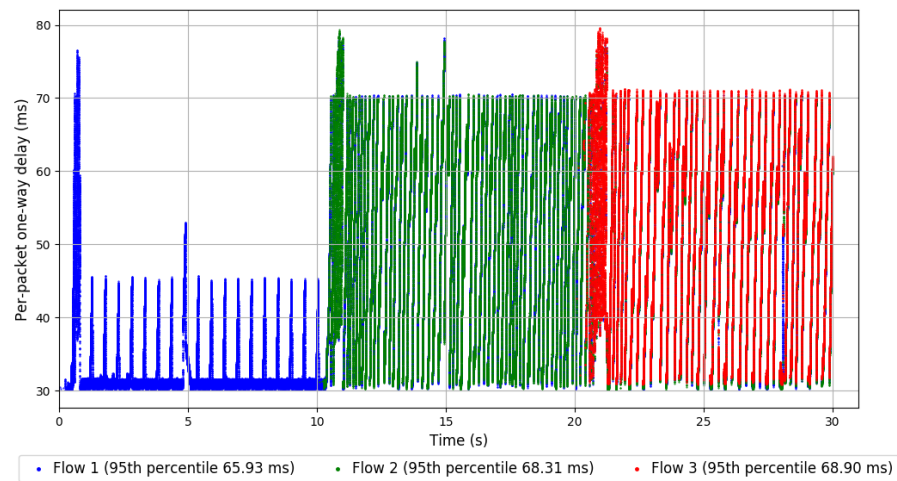
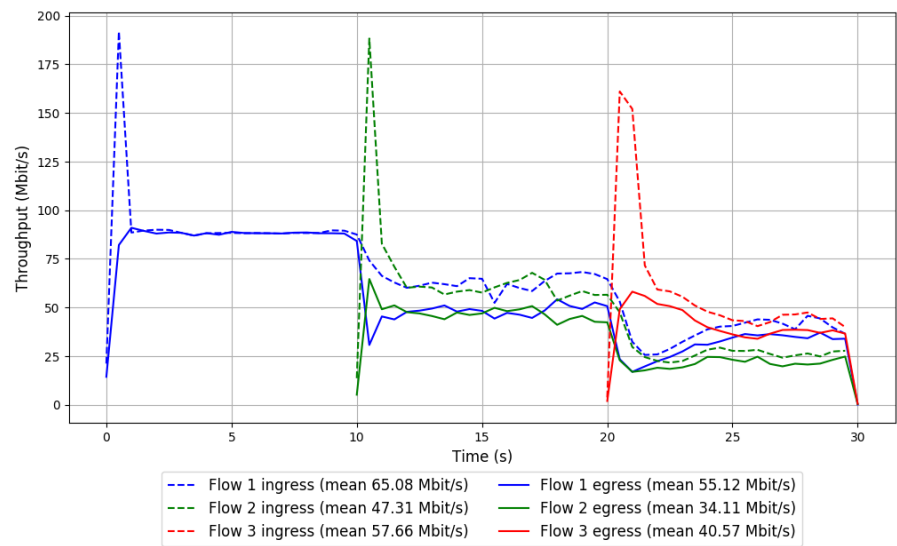


Run 2: Statistics of FillP

Start at: 2018-02-04 22:16:15
End at: 2018-02-04 22:16:45
Local clock offset: -0.249 ms
Remote clock offset: -6.154 ms

Below is generated by plot.py at 2018-02-05 02:54:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 67.347 ms
Loss rate: 21.01%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 65.929 ms
Loss rate: 15.22%
-- Flow 2:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 68.312 ms
Loss rate: 27.82%
-- Flow 3:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 68.903 ms
Loss rate: 29.52%

Run 2: Report of FillP — Data Link

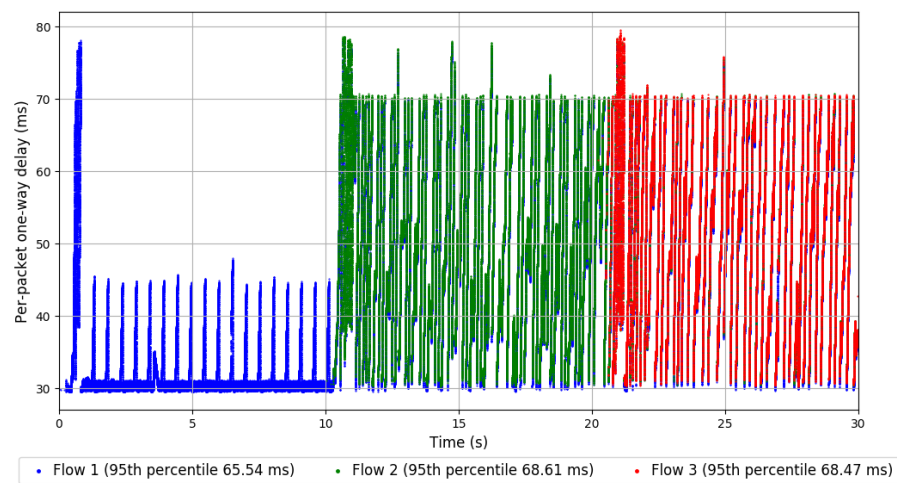
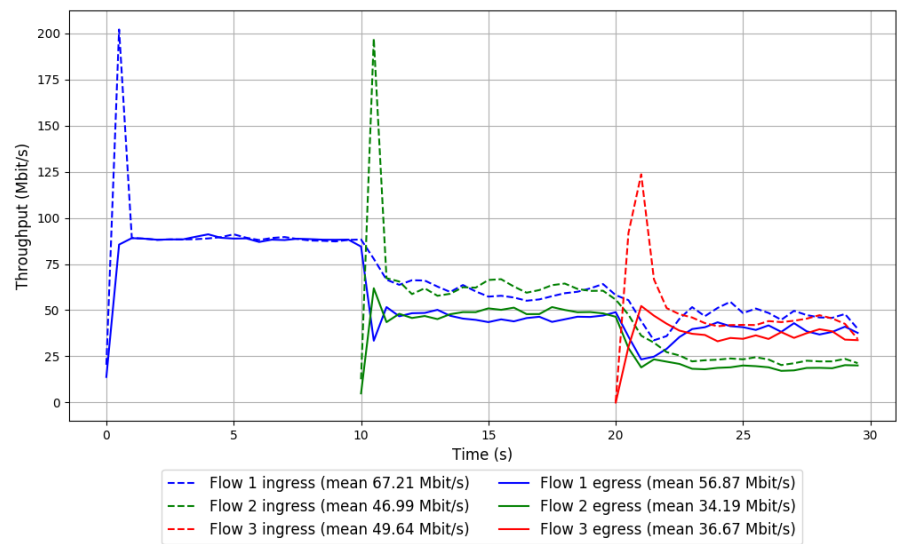


Run 3: Statistics of FillP

Start at: 2018-02-04 22:41:44
End at: 2018-02-04 22:42:14
Local clock offset: -0.39 ms
Remote clock offset: -7.523 ms

Below is generated by plot.py at 2018-02-05 02:54:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.56 Mbit/s
95th percentile per-packet one-way delay: 67.151 ms
Loss rate: 20.31%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 65.539 ms
Loss rate: 15.37%
-- Flow 2:
Average throughput: 34.19 Mbit/s
95th percentile per-packet one-way delay: 68.608 ms
Loss rate: 27.20%
-- Flow 3:
Average throughput: 36.67 Mbit/s
95th percentile per-packet one-way delay: 68.472 ms
Loss rate: 27.39%

Run 3: Report of FillP — Data Link

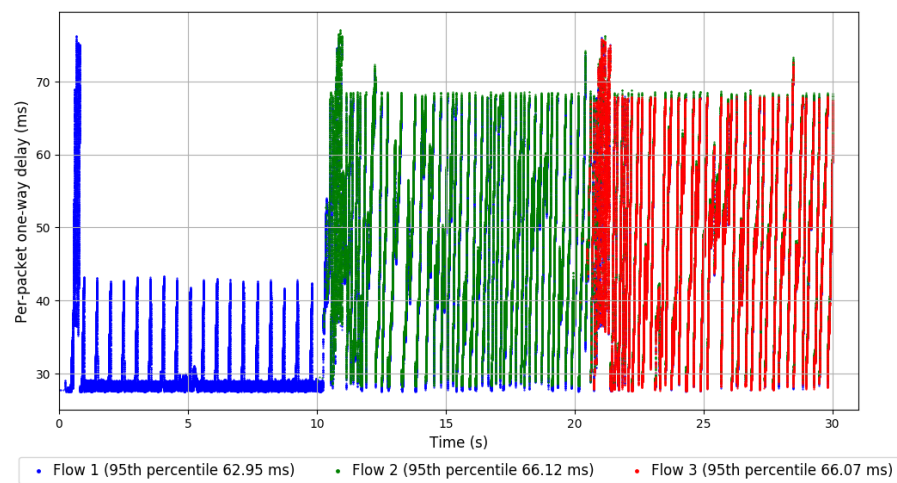
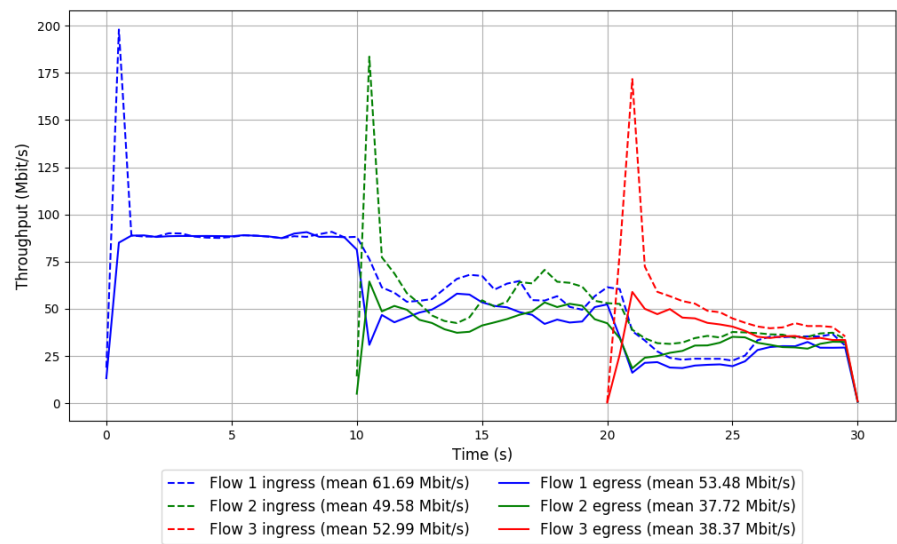


Run 4: Statistics of FillP

Start at: 2018-02-04 23:07:55
End at: 2018-02-04 23:08:25
Local clock offset: -0.386 ms
Remote clock offset: -10.725 ms

Below is generated by plot.py at 2018-02-05 02:54:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.33 Mbit/s
95th percentile per-packet one-way delay: 64.820 ms
Loss rate: 18.54%
-- Flow 1:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 62.950 ms
Loss rate: 13.19%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 66.122 ms
Loss rate: 23.77%
-- Flow 3:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 66.072 ms
Loss rate: 27.48%

Run 4: Report of FillP — Data Link

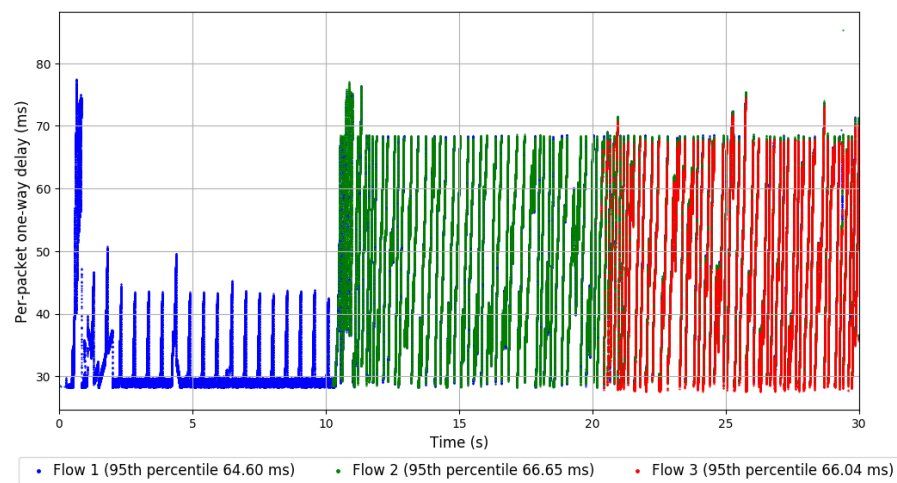
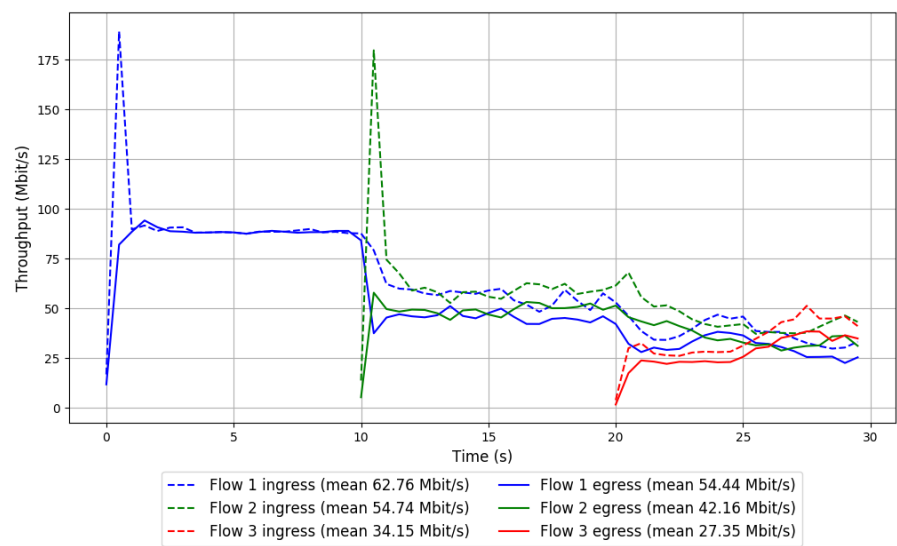


Run 5: Statistics of FillP

Start at: 2018-02-04 23:34:18
End at: 2018-02-04 23:34:48
Local clock offset: -0.003 ms
Remote clock offset: -11.052 ms

Below is generated by plot.py at 2018-02-05 02:54:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 65.717 ms
Loss rate: 17.13%
-- Flow 1:
Average throughput: 54.44 Mbit/s
95th percentile per-packet one-way delay: 64.599 ms
Loss rate: 13.24%
-- Flow 2:
Average throughput: 42.16 Mbit/s
95th percentile per-packet one-way delay: 66.651 ms
Loss rate: 22.97%
-- Flow 3:
Average throughput: 27.35 Mbit/s
95th percentile per-packet one-way delay: 66.037 ms
Loss rate: 19.88%

Run 5: Report of FillP — Data Link

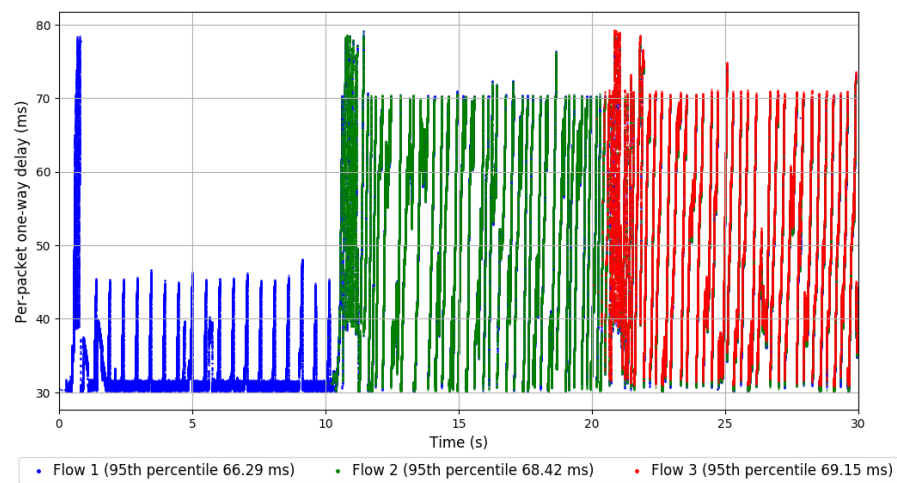
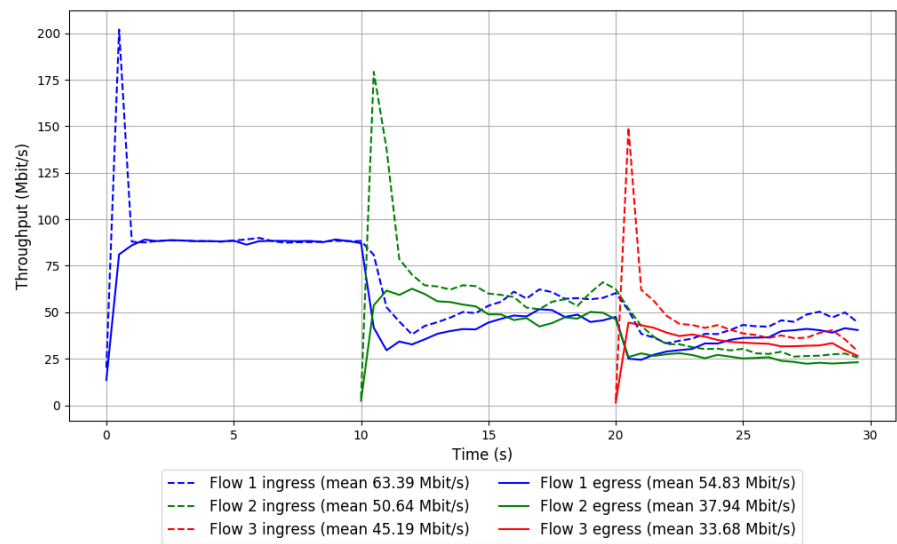


Run 6: Statistics of FillP

Start at: 2018-02-05 00:00:48
End at: 2018-02-05 00:01:18
Local clock offset: 0.419 ms
Remote clock offset: -7.203 ms

Below is generated by plot.py at 2018-02-05 02:54:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 67.652 ms
Loss rate: 18.57%
-- Flow 1:
Average throughput: 54.83 Mbit/s
95th percentile per-packet one-way delay: 66.289 ms
Loss rate: 13.48%
-- Flow 2:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 68.415 ms
Loss rate: 25.04%
-- Flow 3:
Average throughput: 33.68 Mbit/s
95th percentile per-packet one-way delay: 69.154 ms
Loss rate: 25.51%

Run 6: Report of FillP — Data Link

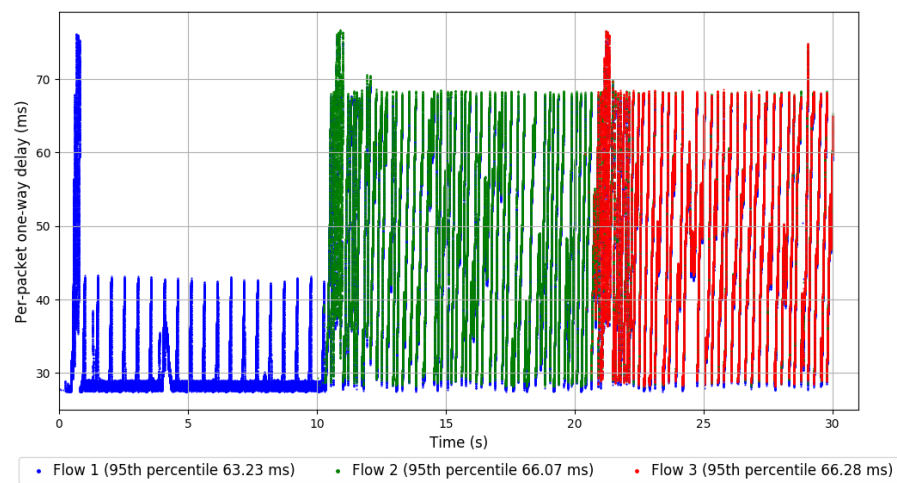
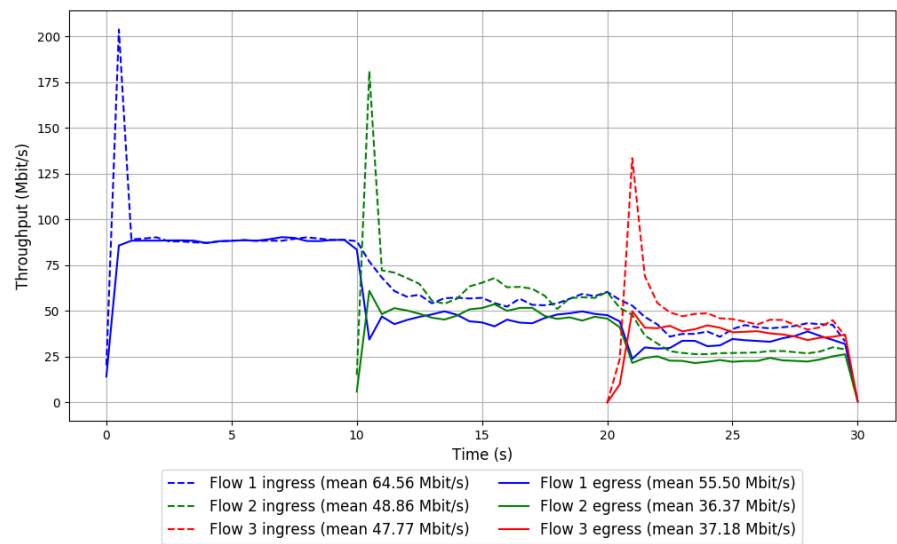


Run 7: Statistics of FillP

Start at: 2018-02-05 00:26:55
End at: 2018-02-05 00:27:25
Local clock offset: 0.796 ms
Remote clock offset: -8.558 ms

Below is generated by plot.py at 2018-02-05 02:55:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 64.777 ms
Loss rate: 18.72%
-- Flow 1:
Average throughput: 55.50 Mbit/s
95th percentile per-packet one-way delay: 63.233 ms
Loss rate: 13.93%
-- Flow 2:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 66.072 ms
Loss rate: 25.43%
-- Flow 3:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 66.277 ms
Loss rate: 24.50%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-05 00:54:09

End at: 2018-02-05 00:54:39

Local clock offset: 1.019 ms

Remote clock offset: -6.65 ms

Below is generated by plot.py at 2018-02-05 02:55:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 64.940 ms

Loss rate: 17.33%

-- Flow 1:

Average throughput: 56.21 Mbit/s

95th percentile per-packet one-way delay: 62.865 ms

Loss rate: 12.63%

-- Flow 2:

Average throughput: 38.28 Mbit/s

95th percentile per-packet one-way delay: 66.212 ms

Loss rate: 22.57%

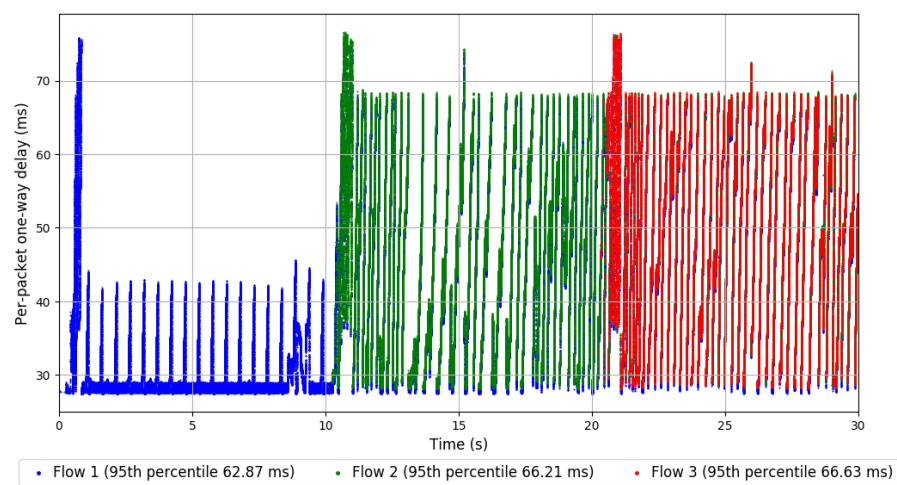
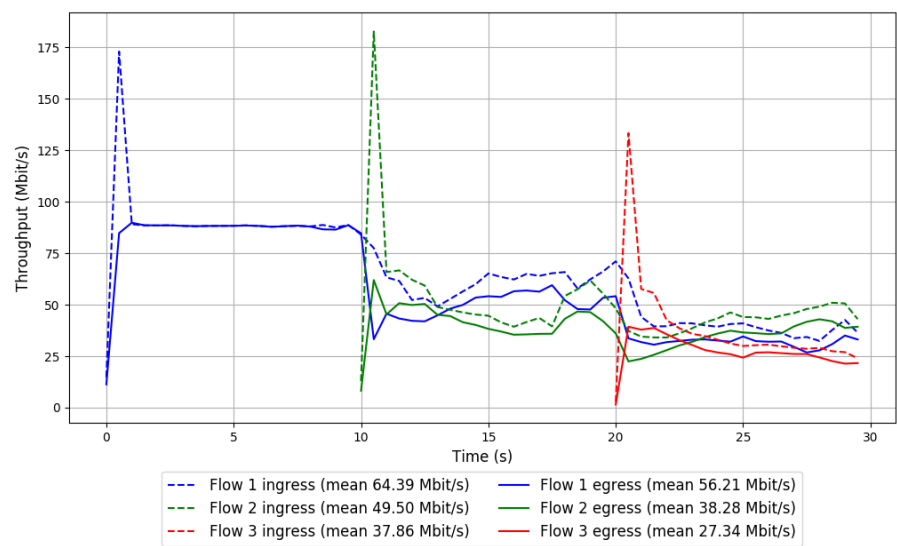
-- Flow 3:

Average throughput: 27.34 Mbit/s

95th percentile per-packet one-way delay: 66.631 ms

Loss rate: 27.65%

Run 8: Report of FillP — Data Link

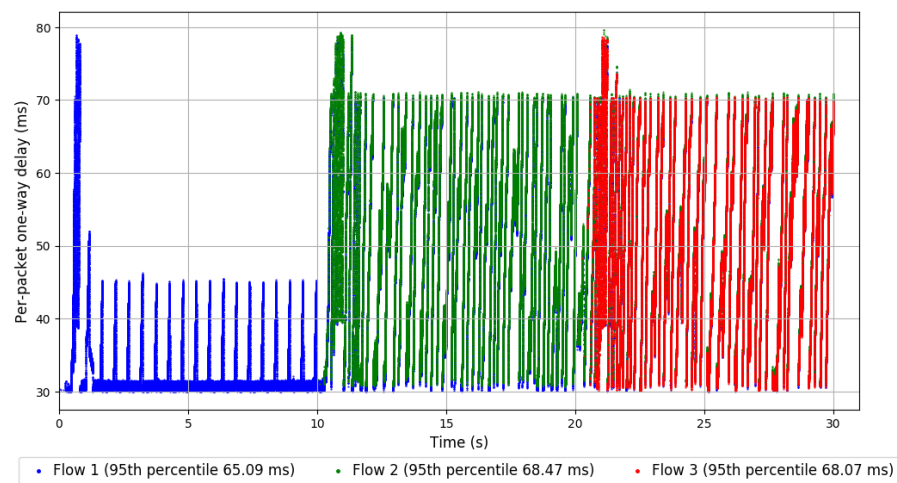
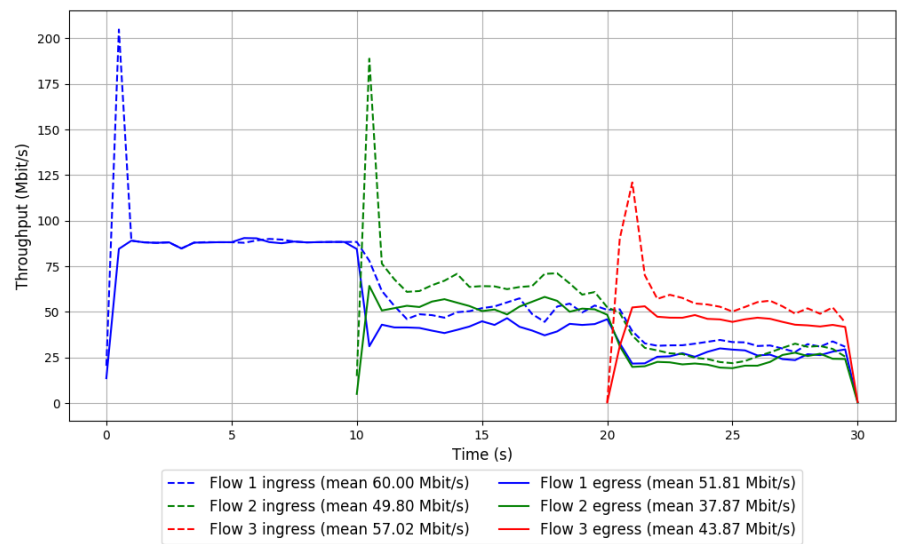


Run 9: Statistics of FillP

Start at: 2018-02-05 01:20:44
End at: 2018-02-05 01:21:14
Local clock offset: 1.117 ms
Remote clock offset: -3.252 ms

Below is generated by plot.py at 2018-02-05 02:56:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.36 Mbit/s
95th percentile per-packet one-way delay: 67.114 ms
Loss rate: 18.37%
-- Flow 1:
Average throughput: 51.81 Mbit/s
95th percentile per-packet one-way delay: 65.092 ms
Loss rate: 13.56%
-- Flow 2:
Average throughput: 37.87 Mbit/s
95th percentile per-packet one-way delay: 68.469 ms
Loss rate: 23.85%
-- Flow 3:
Average throughput: 43.87 Mbit/s
95th percentile per-packet one-way delay: 68.070 ms
Loss rate: 24.06%

Run 9: Report of FillP — Data Link

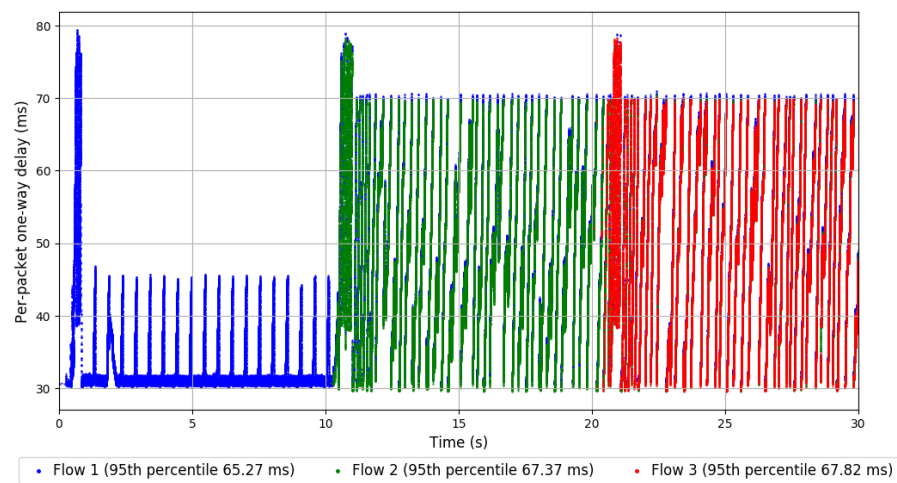
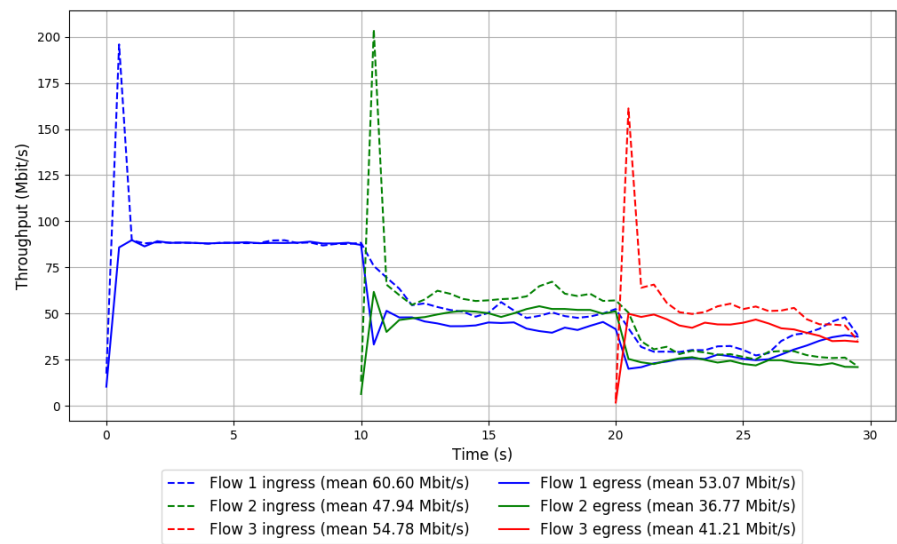


Run 10: Statistics of FillP

Start at: 2018-02-05 01:47:02
End at: 2018-02-05 01:47:32
Local clock offset: 1.292 ms
Remote clock offset: -3.681 ms

Below is generated by plot.py at 2018-02-05 02:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 66.623 ms
Loss rate: 17.55%
-- Flow 1:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 65.269 ms
Loss rate: 12.38%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 67.366 ms
Loss rate: 23.23%
-- Flow 3:
Average throughput: 41.21 Mbit/s
95th percentile per-packet one-way delay: 67.824 ms
Loss rate: 24.80%

Run 10: Report of FillP — Data Link

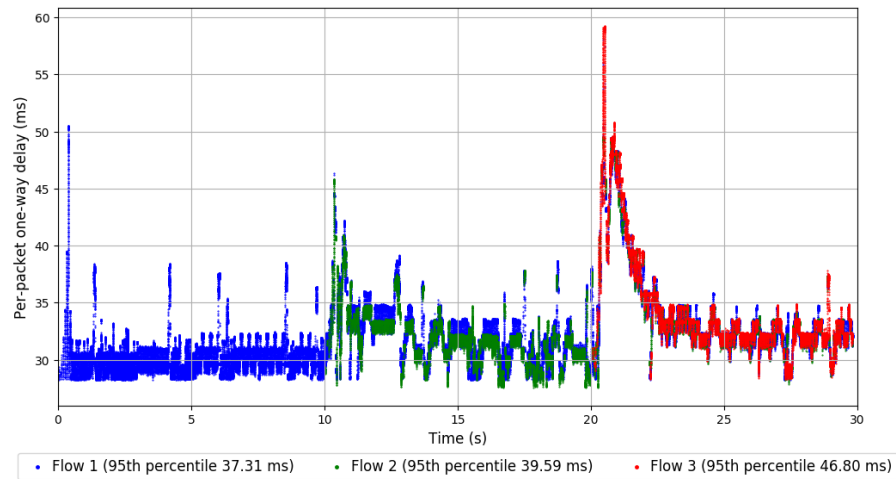
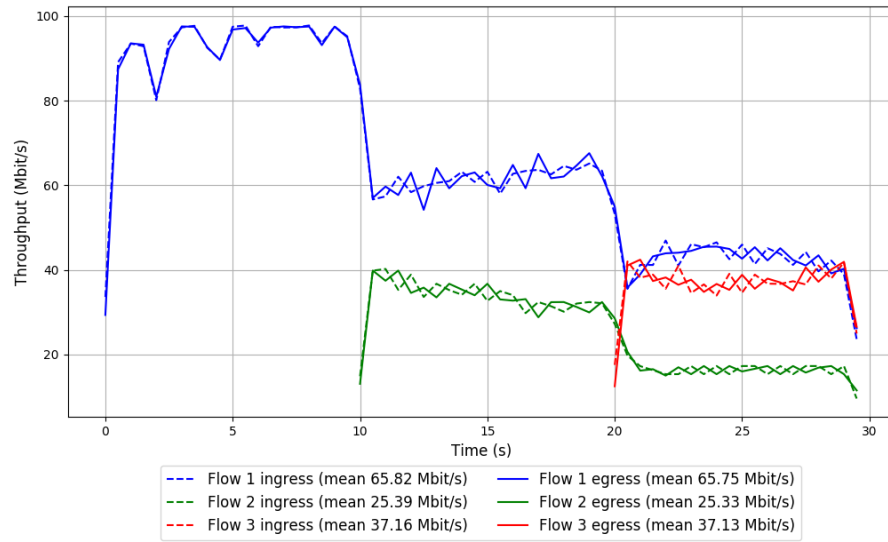


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-02-04 22:02:12
End at: 2018-02-04 22:02:42
Local clock offset: -0.009 ms
Remote clock offset: -8.638 ms

# Below is generated by plot.py at 2018-02-05 02:57:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 39.245 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 37.308 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 39.590 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 46.802 ms
Loss rate: 0.08%
```

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

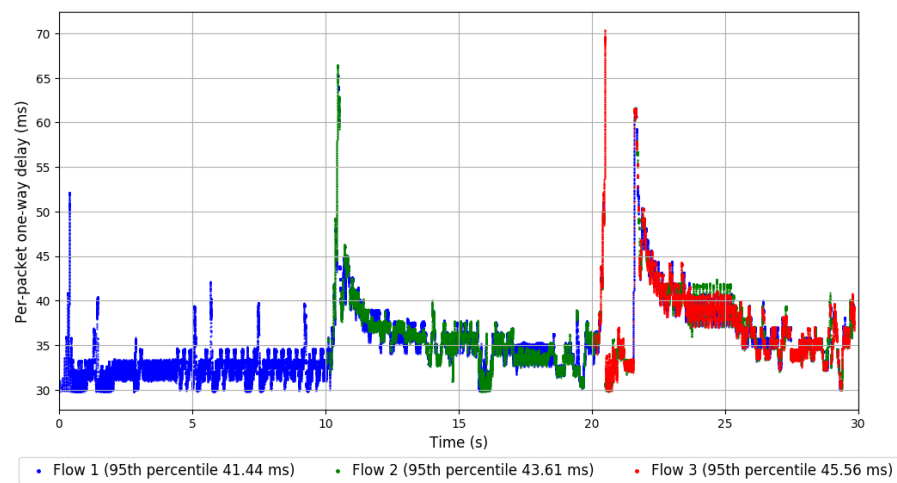
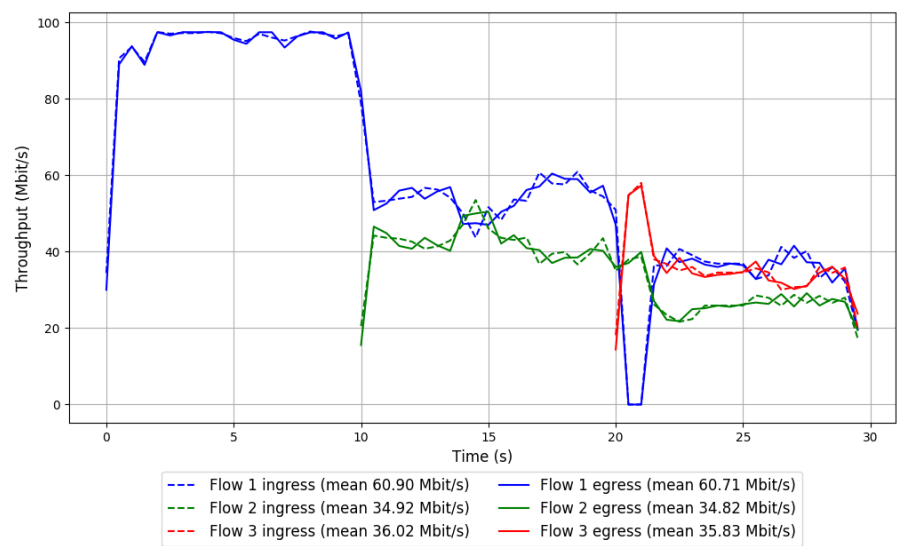


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-04 22:27:45
End at: 2018-02-04 22:28:15
Local clock offset: -0.237 ms
Remote clock offset: -6.886 ms

Below is generated by plot.py at 2018-02-05 02:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 42.836 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 60.71 Mbit/s
95th percentile per-packet one-way delay: 41.436 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 43.613 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 35.83 Mbit/s
95th percentile per-packet one-way delay: 45.565 ms
Loss rate: 0.48%

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

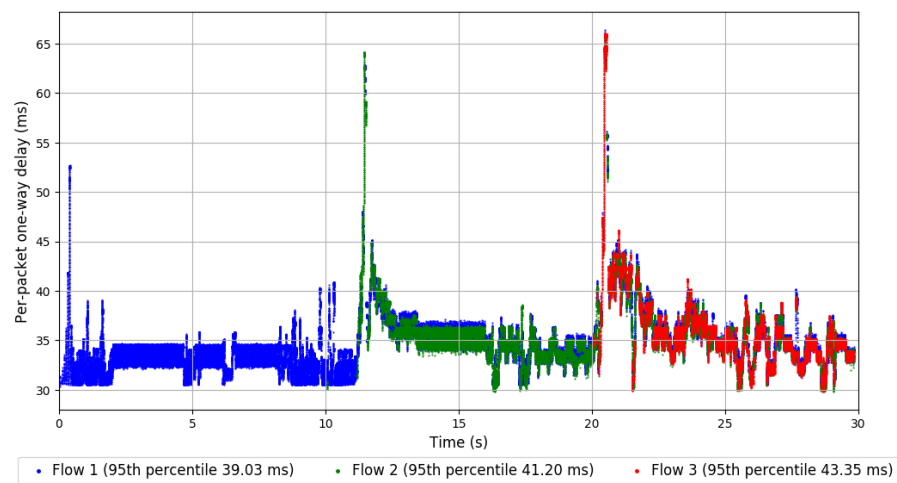
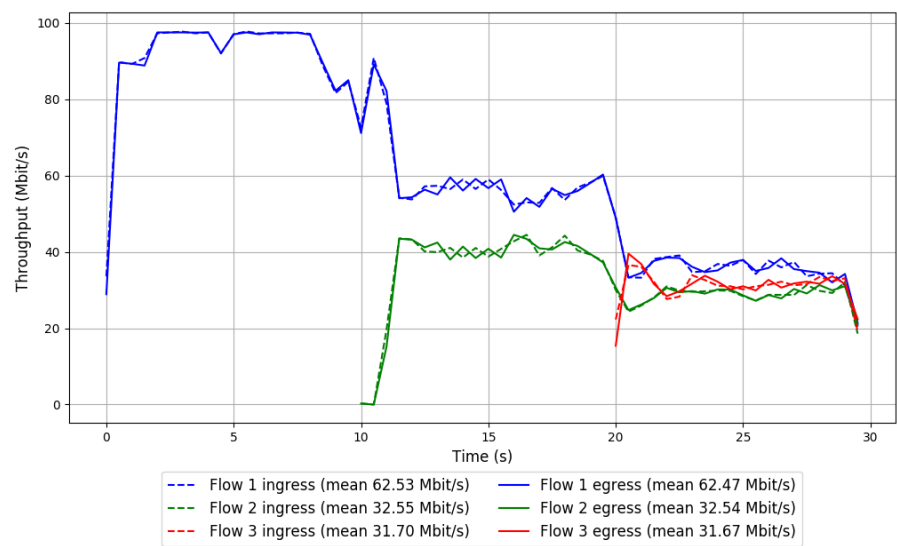


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-04 22:53:44
End at: 2018-02-04 22:54:14
Local clock offset: -0.282 ms
Remote clock offset: -7.931 ms

Below is generated by plot.py at 2018-02-05 02:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 40.497 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 62.47 Mbit/s
95th percentile per-packet one-way delay: 39.034 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 41.204 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 43.346 ms
Loss rate: 0.10%

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

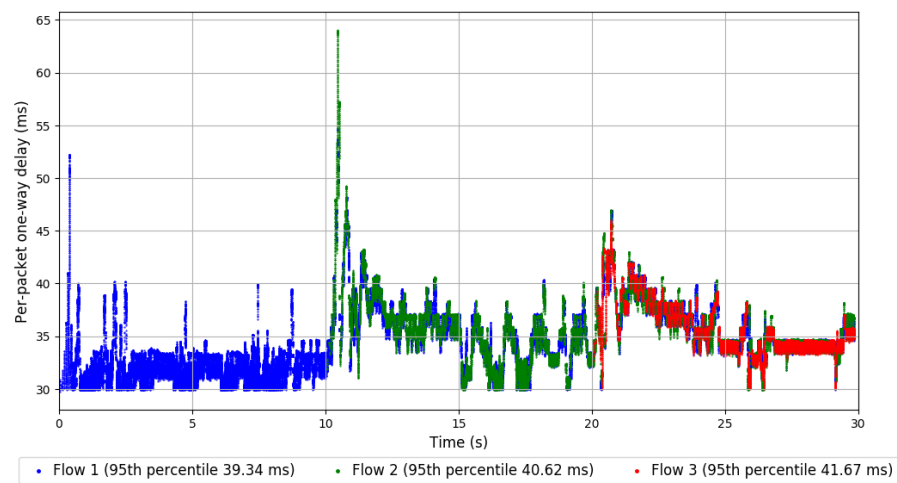
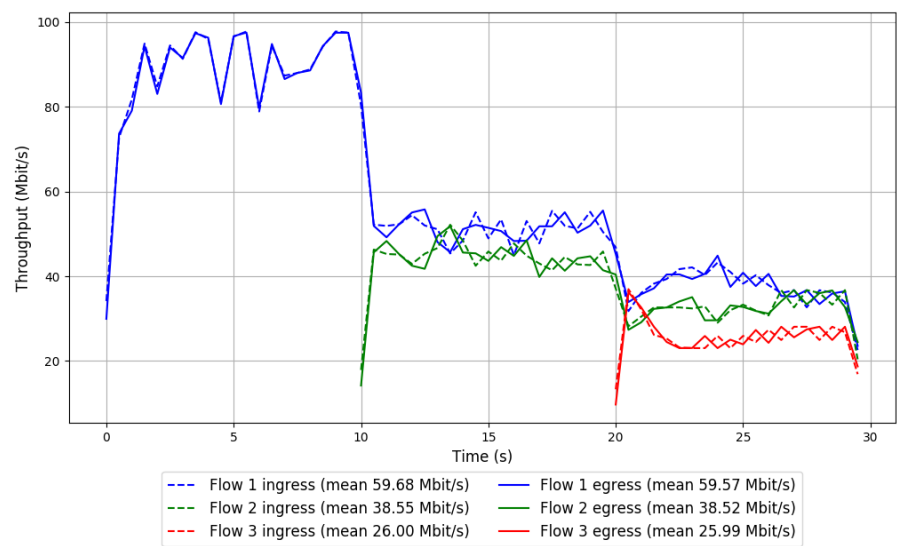


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-04 23:20:04
End at: 2018-02-04 23:20:34
Local clock offset: -0.215 ms
Remote clock offset: -9.144 ms

Below is generated by plot.py at 2018-02-05 02:57:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 40.406 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 39.345 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 38.52 Mbit/s
95th percentile per-packet one-way delay: 40.625 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 25.99 Mbit/s
95th percentile per-packet one-way delay: 41.671 ms
Loss rate: 0.00%

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

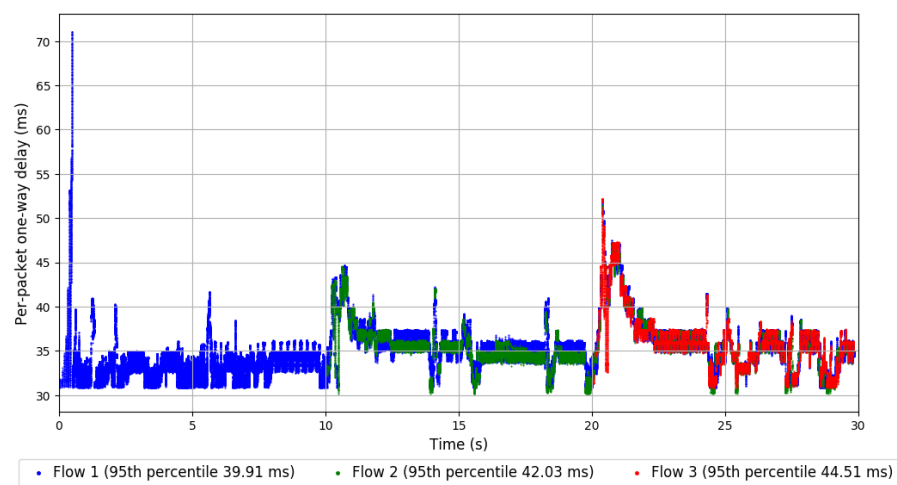
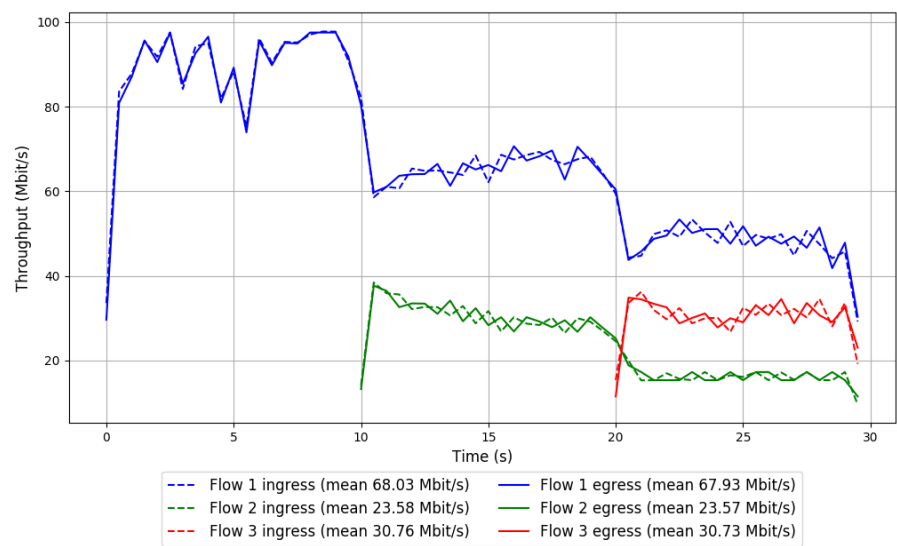


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-04 23:46:33
End at: 2018-02-04 23:47:03
Local clock offset: 0.229 ms
Remote clock offset: -8.109 ms

Below is generated by plot.py at 2018-02-05 02:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 40.842 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 67.93 Mbit/s
95th percentile per-packet one-way delay: 39.906 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 42.026 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 44.507 ms
Loss rate: 0.05%

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

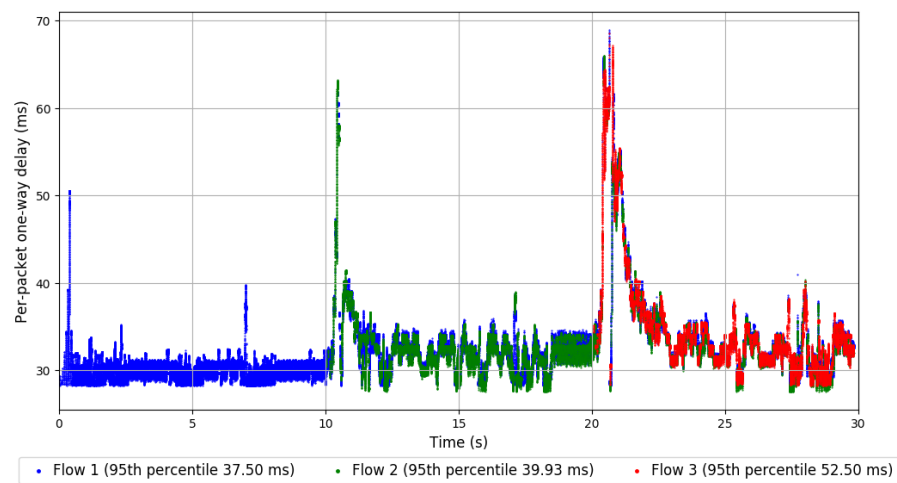
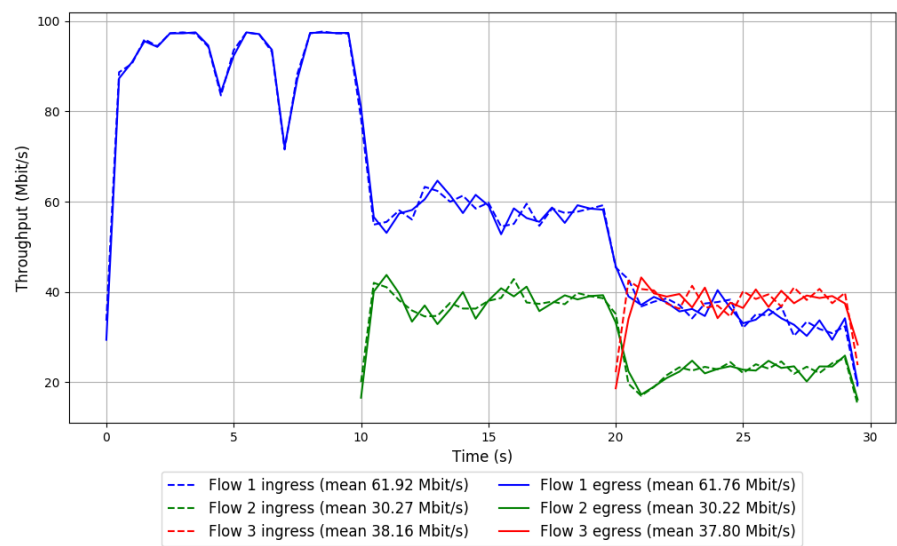


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-05 00:12:36
End at: 2018-02-05 00:13:06
Local clock offset: 0.652 ms
Remote clock offset: -9.221 ms

Below is generated by plot.py at 2018-02-05 02:57:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.19 Mbit/s
95th percentile per-packet one-way delay: 38.986 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 37.501 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 39.930 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 52.496 ms
Loss rate: 0.95%

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

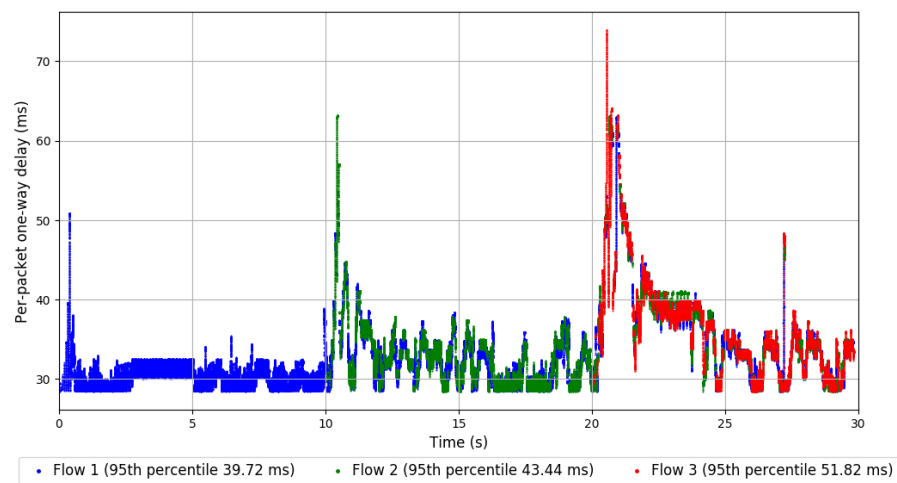
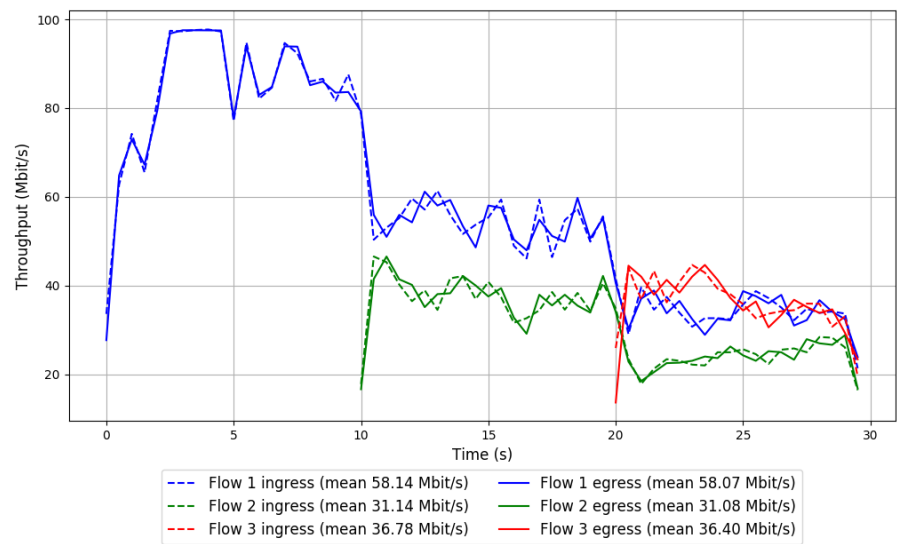


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-05 00:39:13
End at: 2018-02-05 00:39:43
Local clock offset: 0.952 ms
Remote clock offset: -7.767 ms

Below is generated by plot.py at 2018-02-05 02:57:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 42.894 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 39.715 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 43.438 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 51.818 ms
Loss rate: 1.00%

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

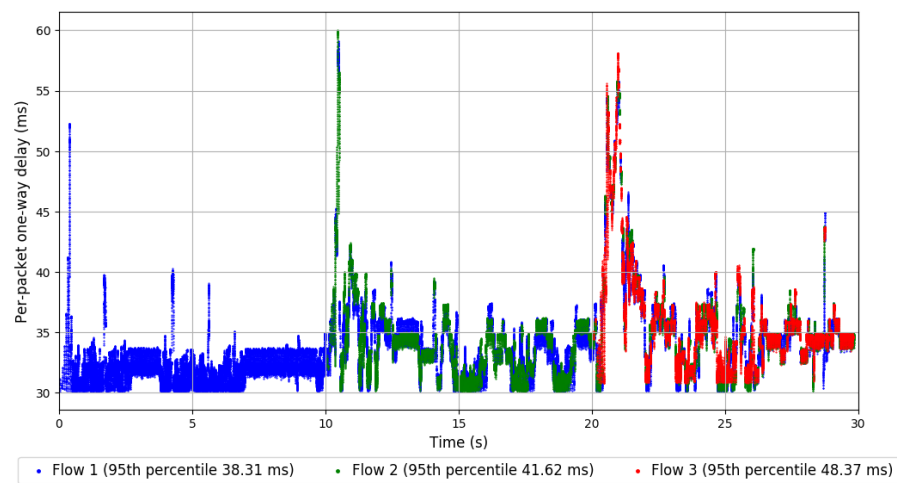
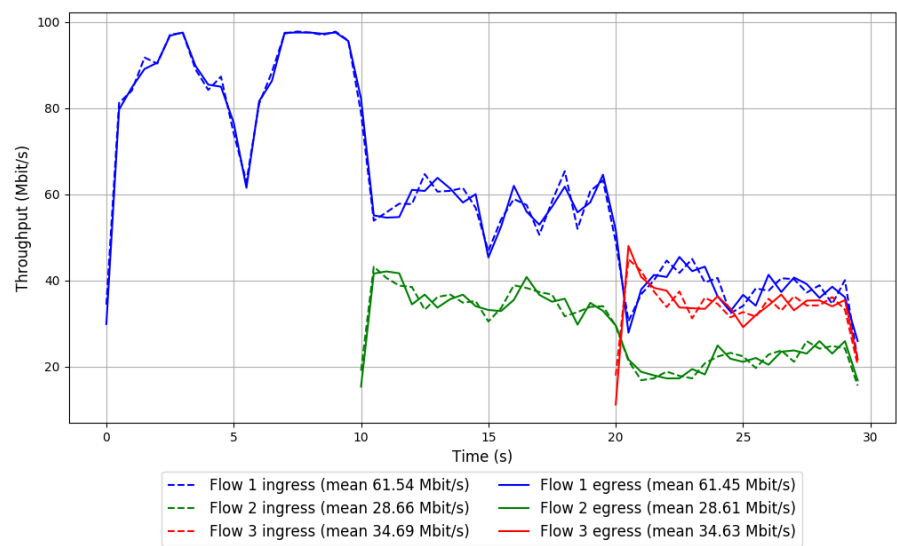


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-05 01:06:06
End at: 2018-02-05 01:06:36
Local clock offset: 1.075 ms
Remote clock offset: -3.611 ms

Below is generated by plot.py at 2018-02-05 02:57:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.71 Mbit/s
95th percentile per-packet one-way delay: 39.775 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 61.45 Mbit/s
95th percentile per-packet one-way delay: 38.306 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 41.624 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 48.368 ms
Loss rate: 0.16%

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

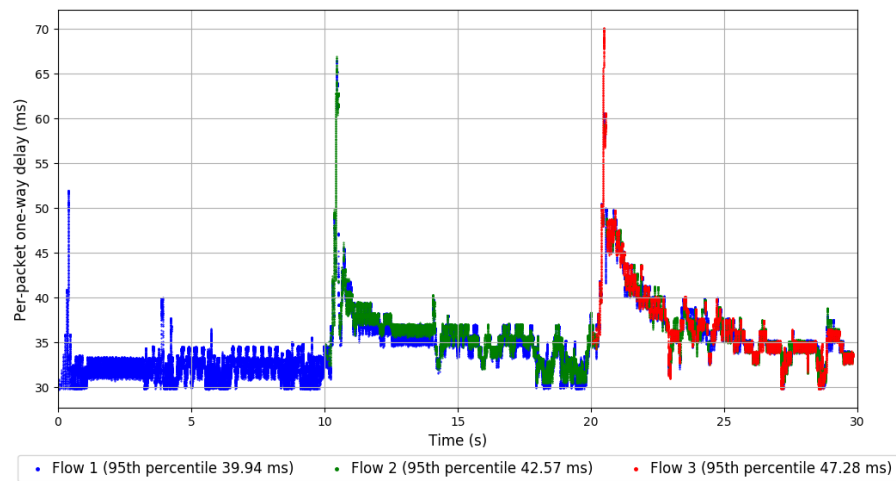
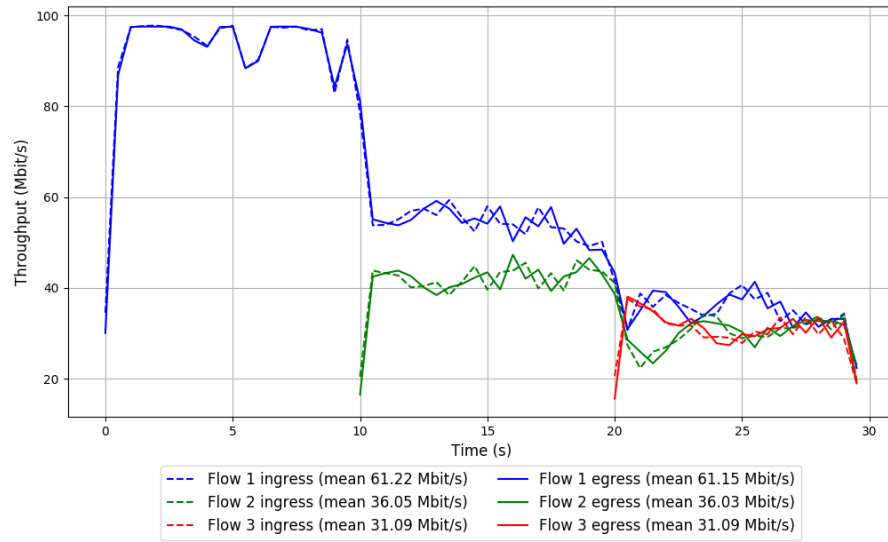


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-05 01:32:44
End at: 2018-02-05 01:33:14
Local clock offset: 1.204 ms
Remote clock offset: -3.749 ms

Below is generated by plot.py at 2018-02-05 02:57:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 42.111 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 61.15 Mbit/s
95th percentile per-packet one-way delay: 39.944 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 42.570 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.09 Mbit/s
95th percentile per-packet one-way delay: 47.281 ms
Loss rate: 0.00%

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

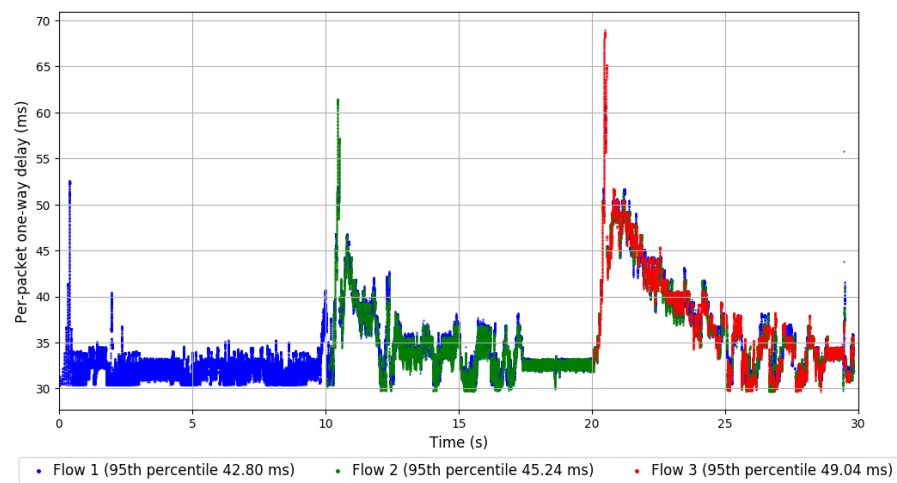
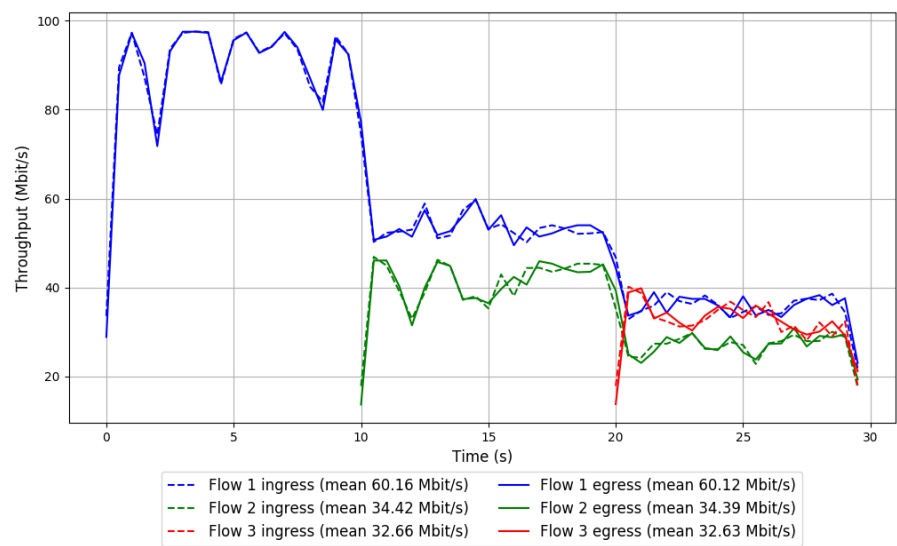


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-05 01:59:05
End at: 2018-02-05 01:59:35
Local clock offset: 1.233 ms
Remote clock offset: -3.888 ms

Below is generated by plot.py at 2018-02-05 02:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 45.193 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 42.795 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 45.239 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 49.043 ms
Loss rate: 0.07%

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

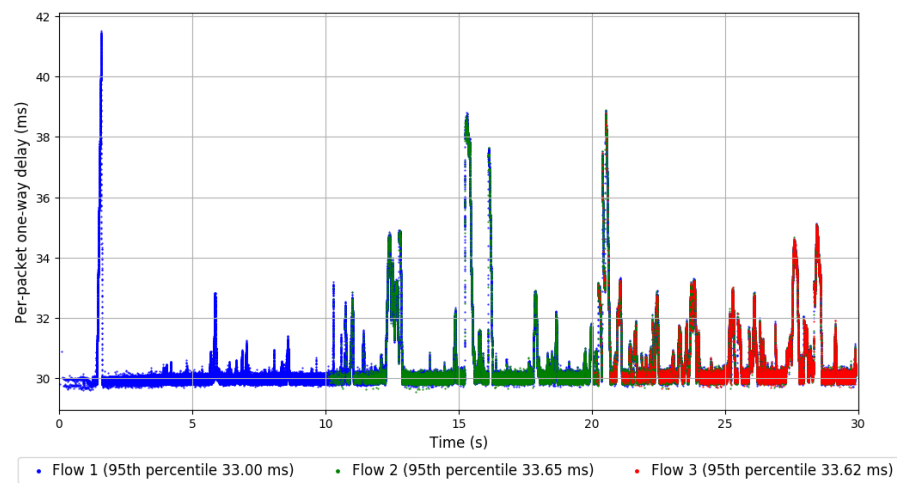
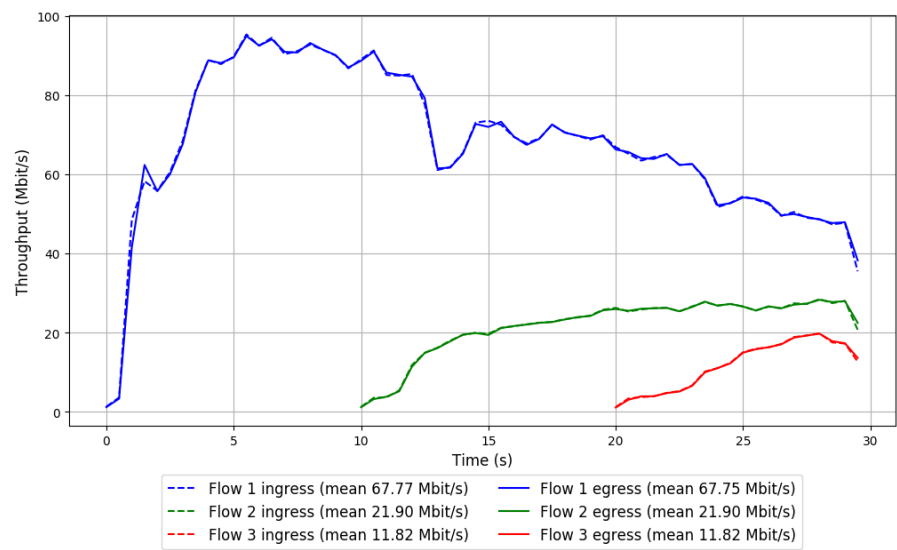


Run 1: Statistics of Vivace-latency

Start at: 2018-02-04 21:59:17
End at: 2018-02-04 21:59:47
Local clock offset: 0.033 ms
Remote clock offset: -6.391 ms

Below is generated by plot.py at 2018-02-05 02:58:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 33.124 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 32.998 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 21.90 Mbit/s
95th percentile per-packet one-way delay: 33.649 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 33.618 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

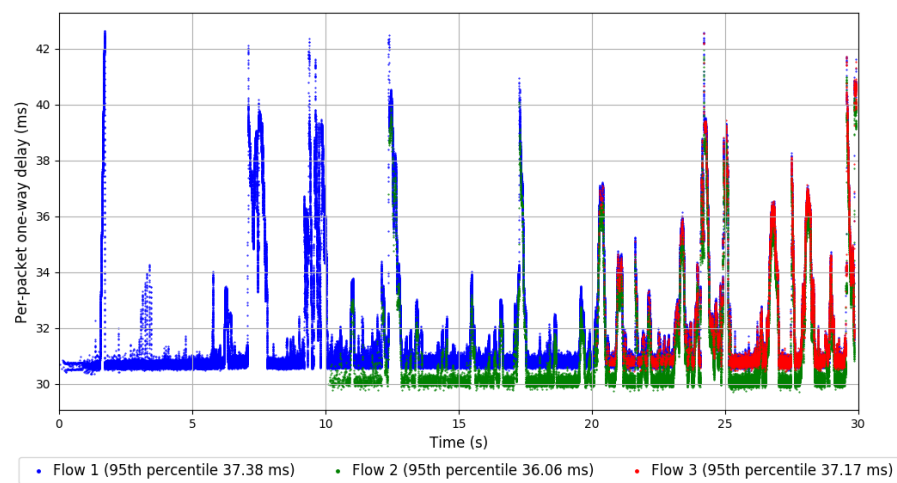
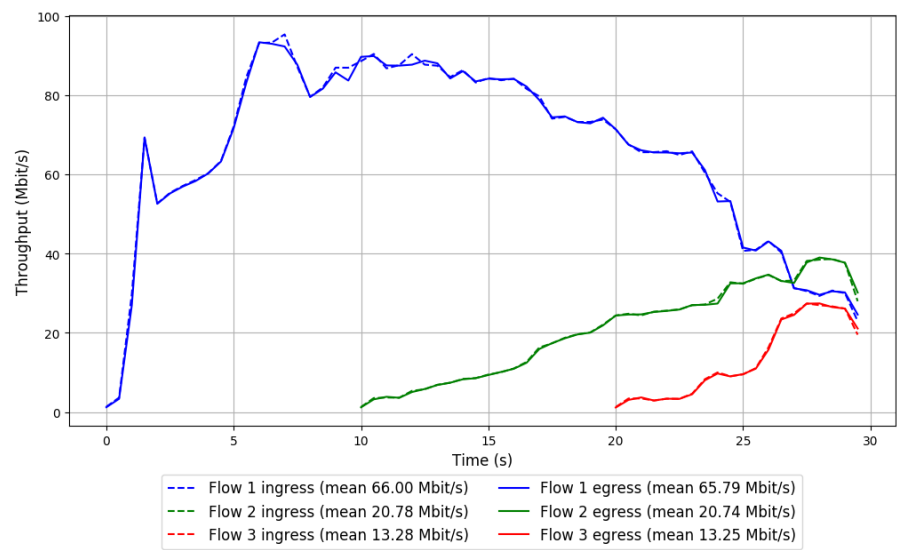


Run 2: Statistics of Vivace-latency

Start at: 2018-02-04 22:24:56
End at: 2018-02-04 22:25:26
Local clock offset: -0.225 ms
Remote clock offset: -6.787 ms

Below is generated by plot.py at 2018-02-05 02:58:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 37.197 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 65.79 Mbit/s
95th percentile per-packet one-way delay: 37.376 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 20.74 Mbit/s
95th percentile per-packet one-way delay: 36.065 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 37.172 ms
Loss rate: 0.18%

Run 2: Report of Vivace-latency — Data Link

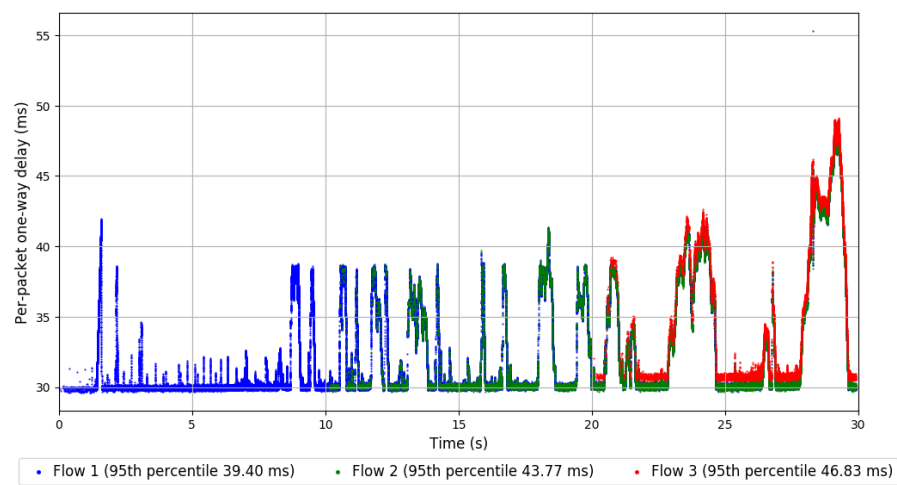
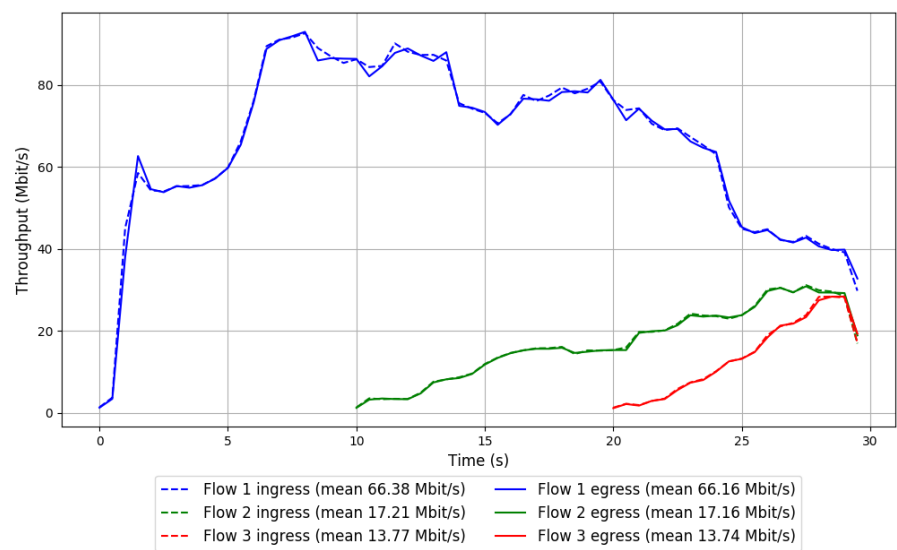


Run 3: Statistics of Vivace-latency

Start at: 2018-02-04 22:50:48
End at: 2018-02-04 22:51:18
Local clock offset: -0.307 ms
Remote clock offset: -7.817 ms

Below is generated by plot.py at 2018-02-05 02:58:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 41.441 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 66.16 Mbit/s
95th percentile per-packet one-way delay: 39.401 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 17.16 Mbit/s
95th percentile per-packet one-way delay: 43.768 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 13.74 Mbit/s
95th percentile per-packet one-way delay: 46.826 ms
Loss rate: 0.21%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-04 23:17:08

End at: 2018-02-04 23:17:38

Local clock offset: -0.229 ms

Remote clock offset: -9.23 ms

Below is generated by plot.py at 2018-02-05 02:58:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.40 Mbit/s

95th percentile per-packet one-way delay: 38.831 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 56.76 Mbit/s

95th percentile per-packet one-way delay: 38.471 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 41.630 ms

Loss rate: 0.13%

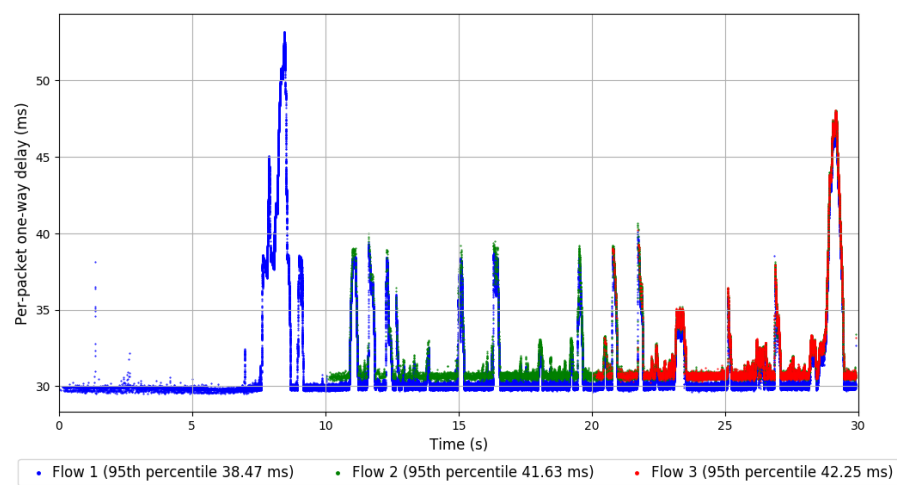
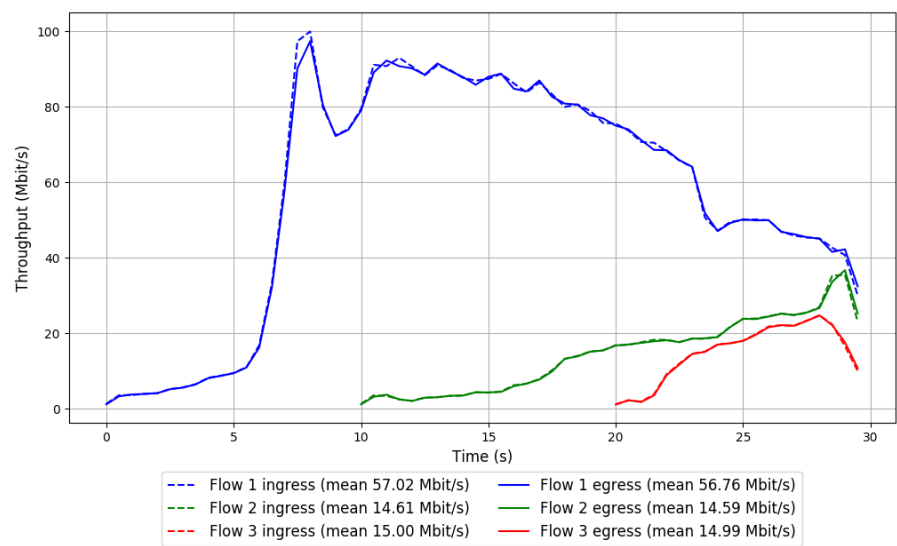
-- Flow 3:

Average throughput: 14.99 Mbit/s

95th percentile per-packet one-way delay: 42.249 ms

Loss rate: 0.03%

Run 4: Report of Vivace-latency — Data Link

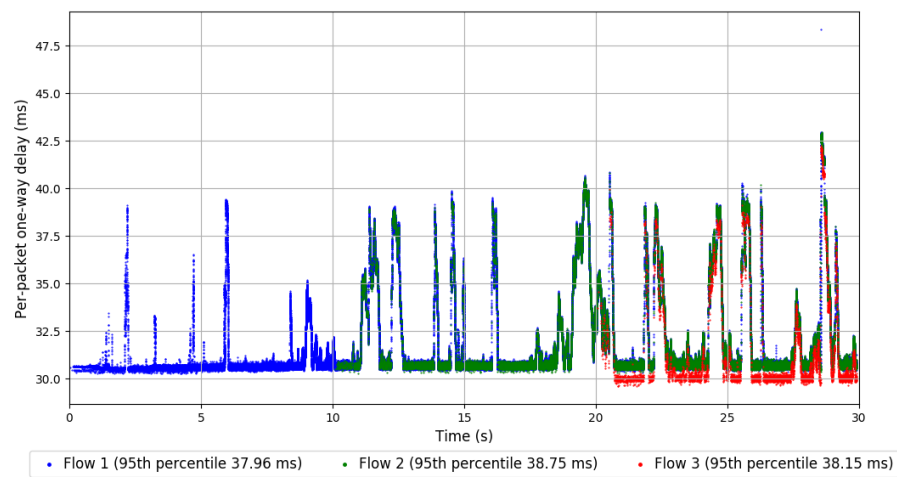
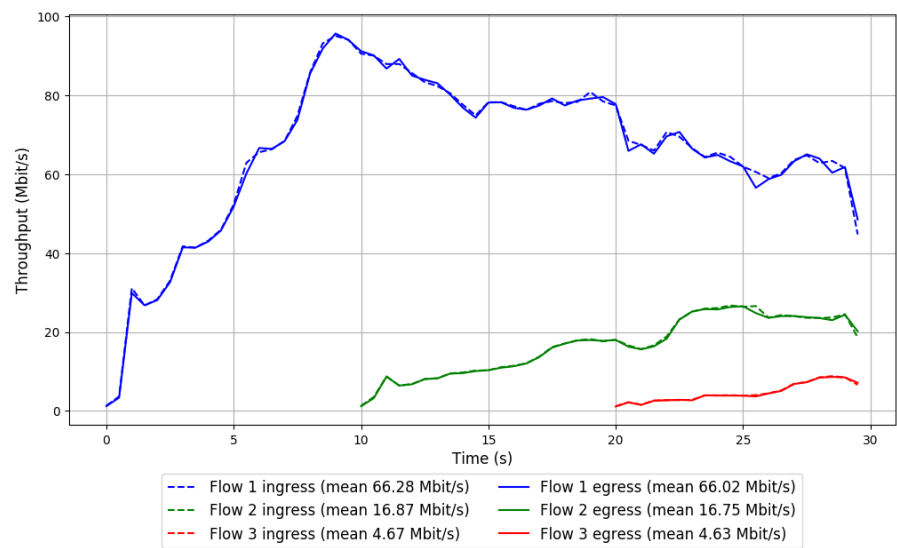


Run 5: Statistics of Vivace-latency

Start at: 2018-02-04 23:43:33
End at: 2018-02-04 23:44:03
Local clock offset: 0.289 ms
Remote clock offset: -8.571 ms

Below is generated by plot.py at 2018-02-05 02:58:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.69 Mbit/s
95th percentile per-packet one-way delay: 38.120 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 66.02 Mbit/s
95th percentile per-packet one-way delay: 37.956 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 16.75 Mbit/s
95th percentile per-packet one-way delay: 38.753 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 38.149 ms
Loss rate: 0.88%

Run 5: Report of Vivace-latency — Data Link

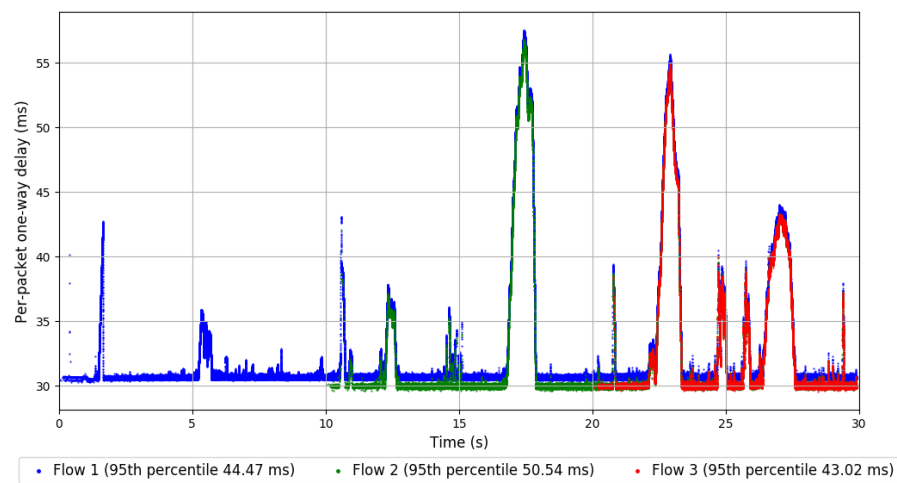
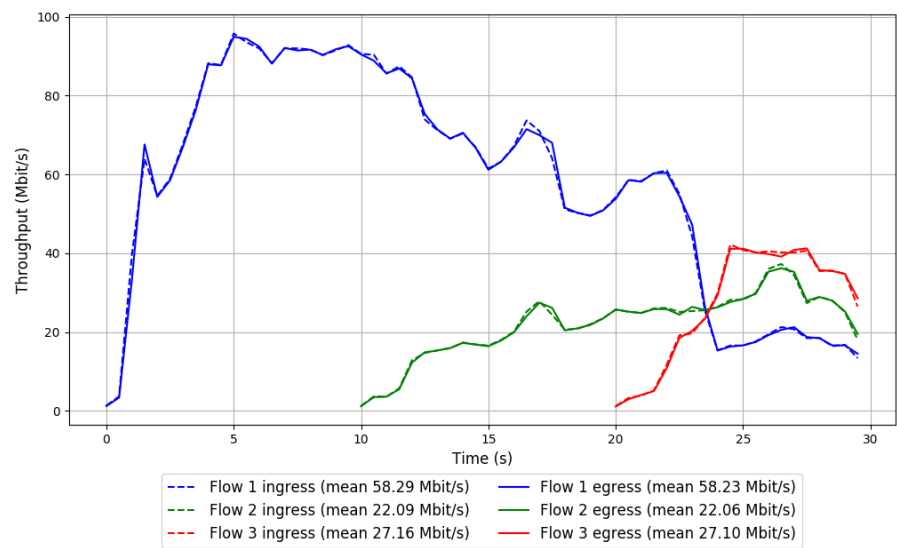


Run 6: Statistics of Vivace-latency

Start at: 2018-02-05 00:09:38
End at: 2018-02-05 00:10:08
Local clock offset: 0.627 ms
Remote clock offset: -7.199 ms

Below is generated by plot.py at 2018-02-05 02:58:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.82 Mbit/s
95th percentile per-packet one-way delay: 46.136 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 44.467 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 22.06 Mbit/s
95th percentile per-packet one-way delay: 50.536 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 27.10 Mbit/s
95th percentile per-packet one-way delay: 43.021 ms
Loss rate: 0.22%

Run 6: Report of Vivace-latency — Data Link

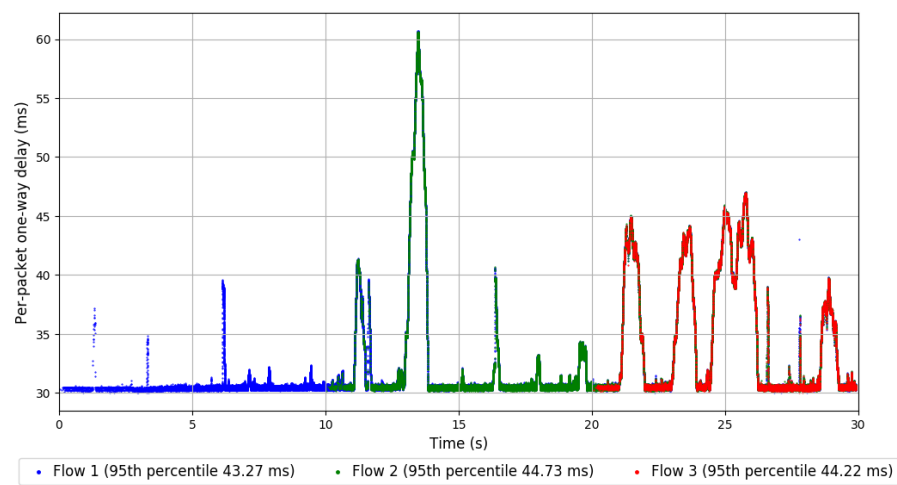
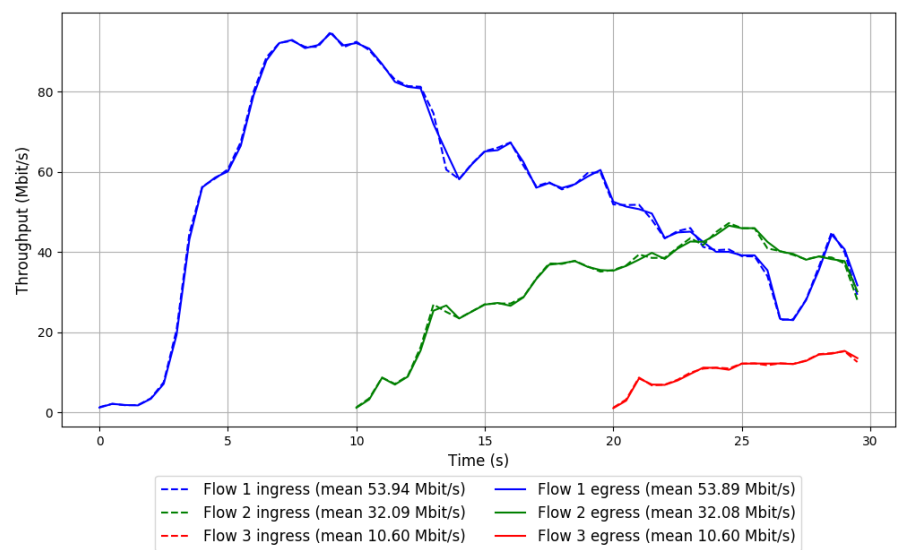


Run 7: Statistics of Vivace-latency

Start at: 2018-02-05 00:36:13
End at: 2018-02-05 00:36:43
Local clock offset: 0.851 ms
Remote clock offset: -5.554 ms

Below is generated by plot.py at 2018-02-05 02:58:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: 43.896 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 53.89 Mbit/s
95th percentile per-packet one-way delay: 43.271 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 44.727 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 44.221 ms
Loss rate: 0.01%

Run 7: Report of Vivace-latency — Data Link

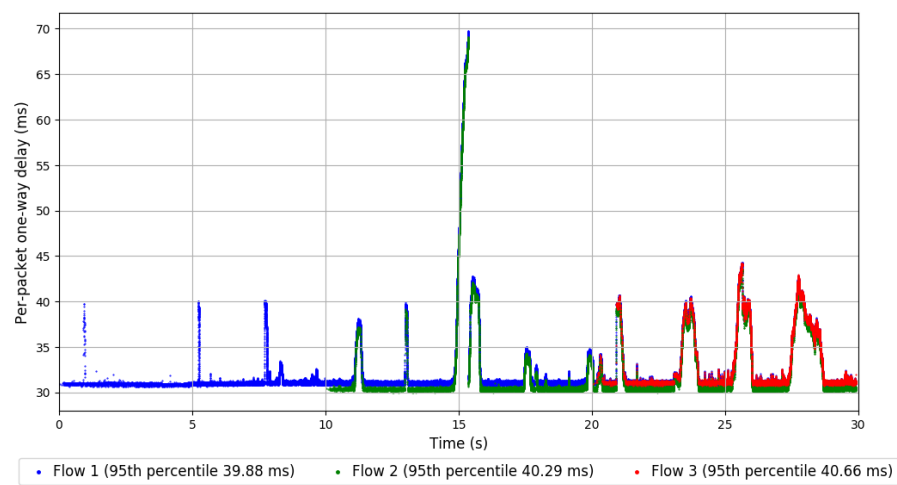
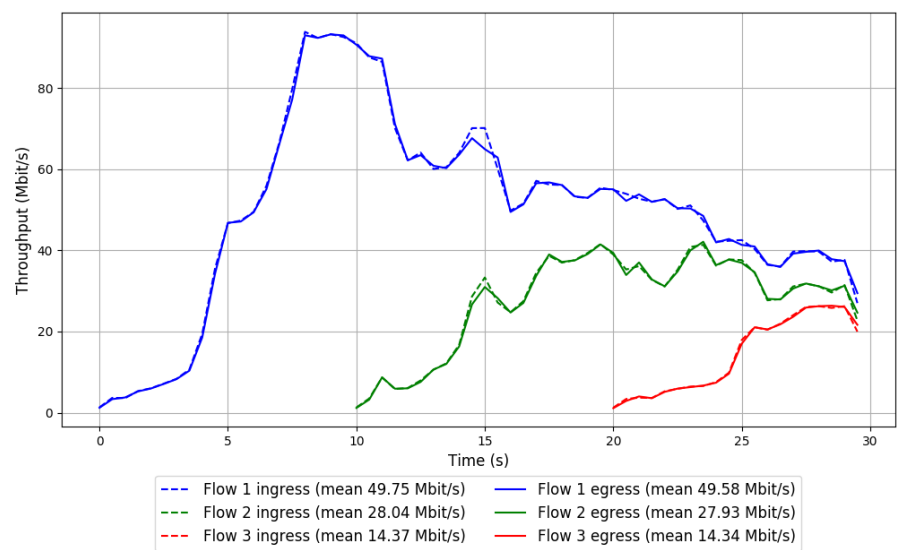


Run 8: Statistics of Vivace-latency

Start at: 2018-02-05 01:03:09
End at: 2018-02-05 01:03:39
Local clock offset: 1.033 ms
Remote clock offset: -3.738 ms

Below is generated by plot.py at 2018-02-05 02:58:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.88 Mbit/s
95th percentile per-packet one-way delay: 40.118 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 39.878 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 27.93 Mbit/s
95th percentile per-packet one-way delay: 40.291 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 40.660 ms
Loss rate: 0.16%

Run 8: Report of Vivace-latency — Data Link

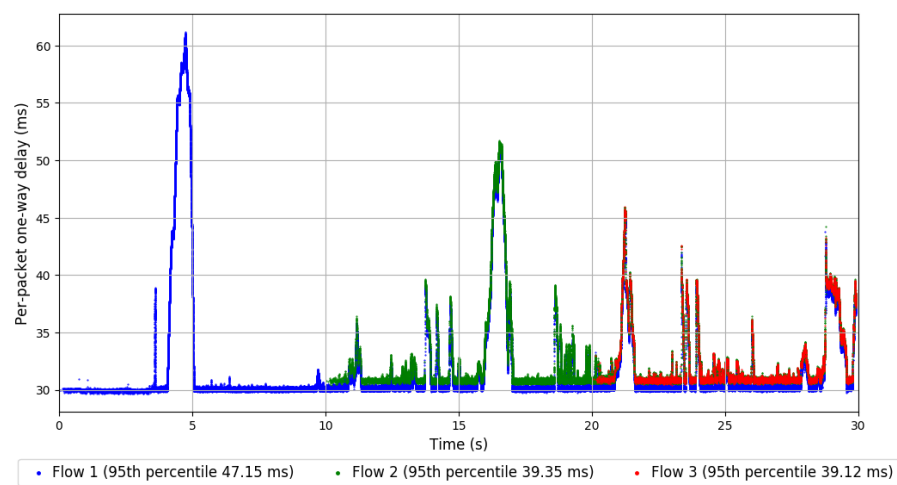
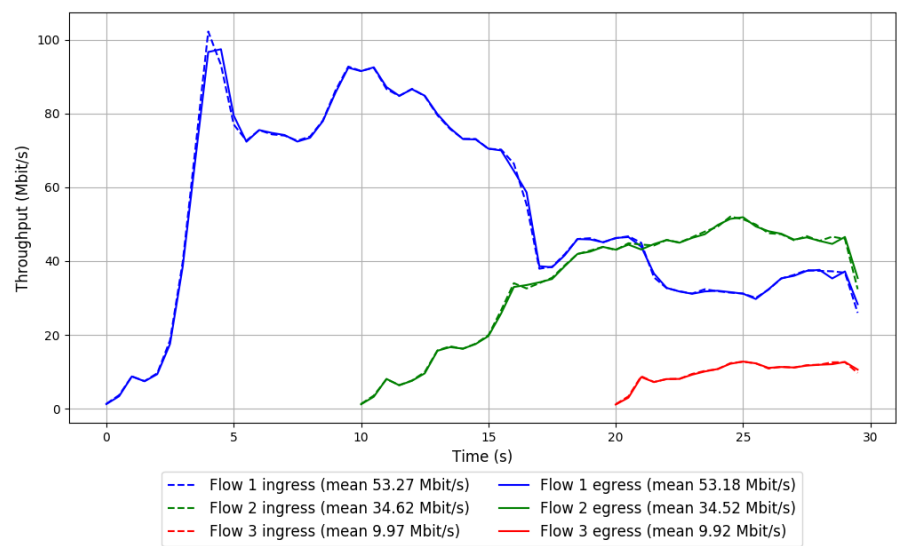


Run 9: Statistics of Vivace-latency

Start at: 2018-02-05 01:29:46
End at: 2018-02-05 01:30:16
Local clock offset: 1.212 ms
Remote clock offset: -3.592 ms

Below is generated by plot.py at 2018-02-05 02:59:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.40 Mbit/s
95th percentile per-packet one-way delay: 43.592 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.18 Mbit/s
95th percentile per-packet one-way delay: 47.151 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 39.355 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 39.115 ms
Loss rate: 0.37%

Run 9: Report of Vivace-latency — Data Link

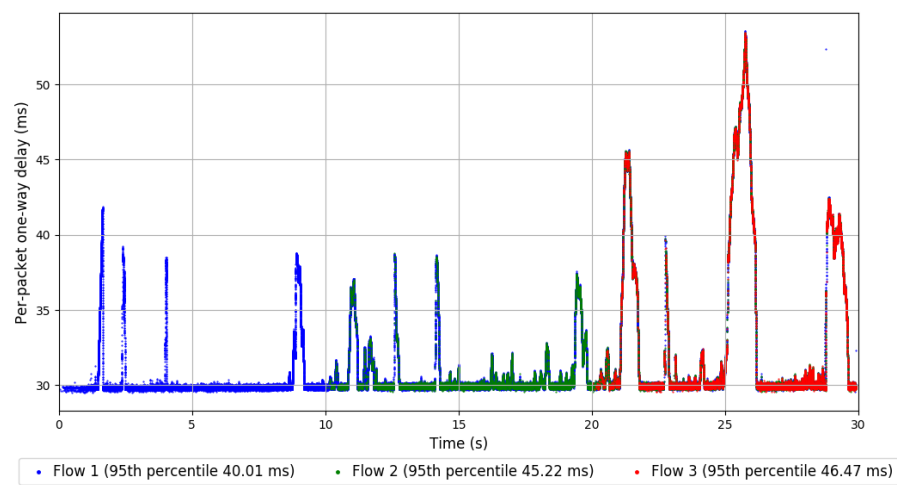
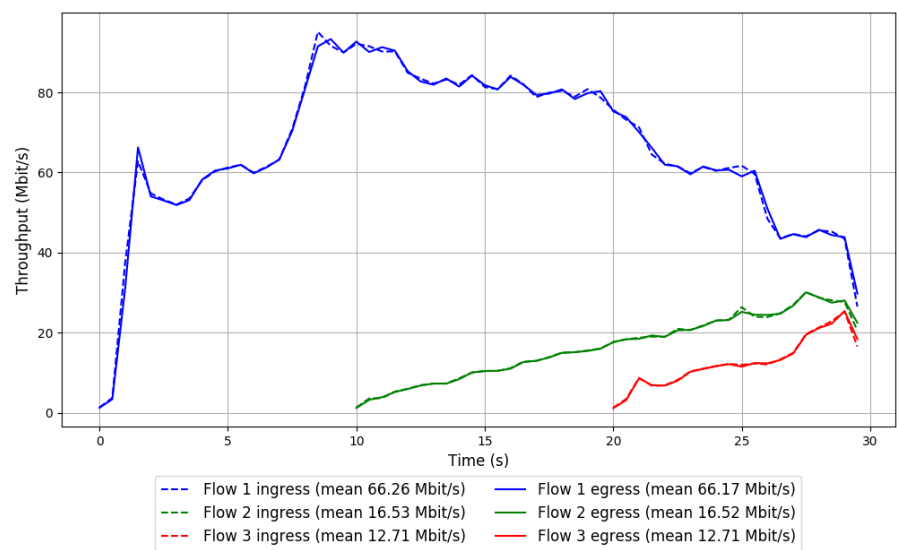


Run 10: Statistics of Vivace-latency

Start at: 2018-02-05 01:56:06
End at: 2018-02-05 01:56:36
Local clock offset: 1.278 ms
Remote clock offset: -3.846 ms

Below is generated by plot.py at 2018-02-05 02:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.34 Mbit/s
95th percentile per-packet one-way delay: 41.231 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 66.17 Mbit/s
95th percentile per-packet one-way delay: 40.013 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 16.52 Mbit/s
95th percentile per-packet one-way delay: 45.218 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 46.472 ms
Loss rate: 0.07%

Run 10: Report of Vivace-latency — Data Link

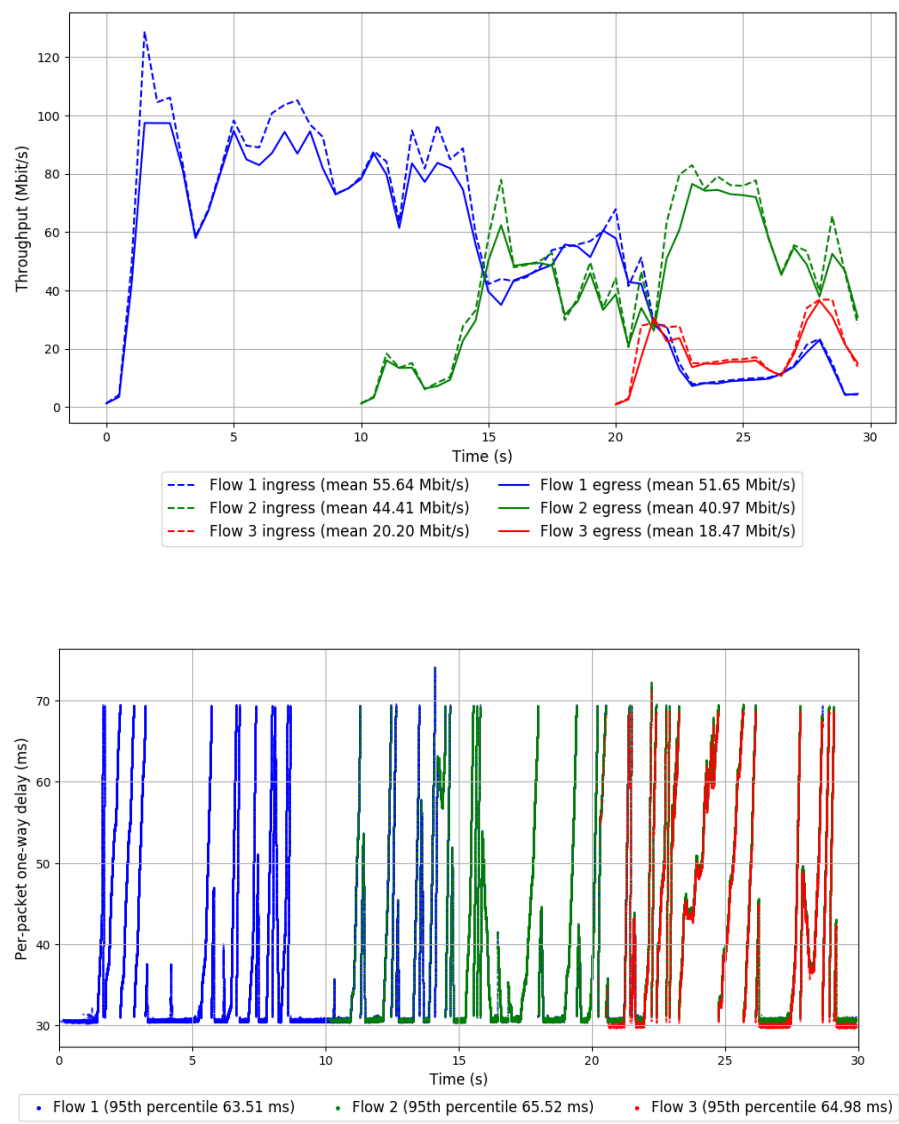


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-04 21:53:35
End at: 2018-02-04 21:54:05
Local clock offset: 0.047 ms
Remote clock offset: -6.156 ms

# Below is generated by plot.py at 2018-02-05 02:59:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 64.544 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 51.65 Mbit/s
95th percentile per-packet one-way delay: 63.513 ms
Loss rate: 7.18%
-- Flow 2:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 65.521 ms
Loss rate: 7.74%
-- Flow 3:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 64.980 ms
Loss rate: 8.68%
```

Run 1: Report of Vivace-loss — Data Link

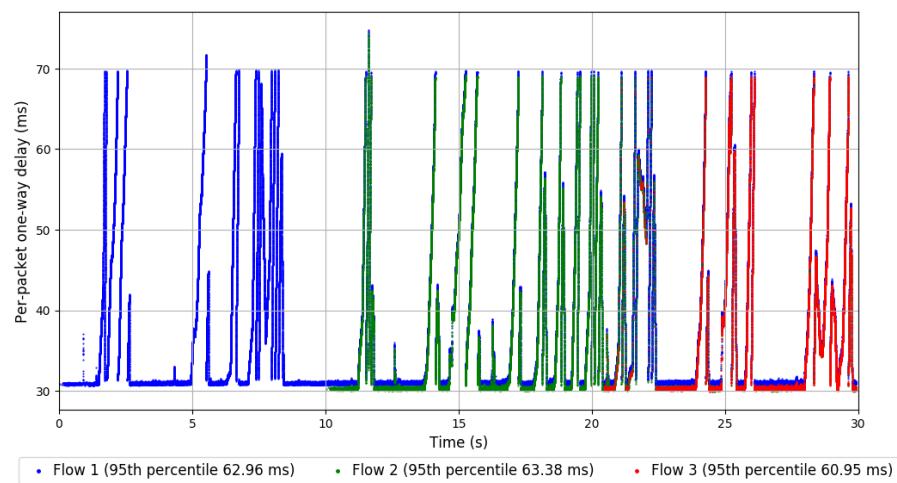
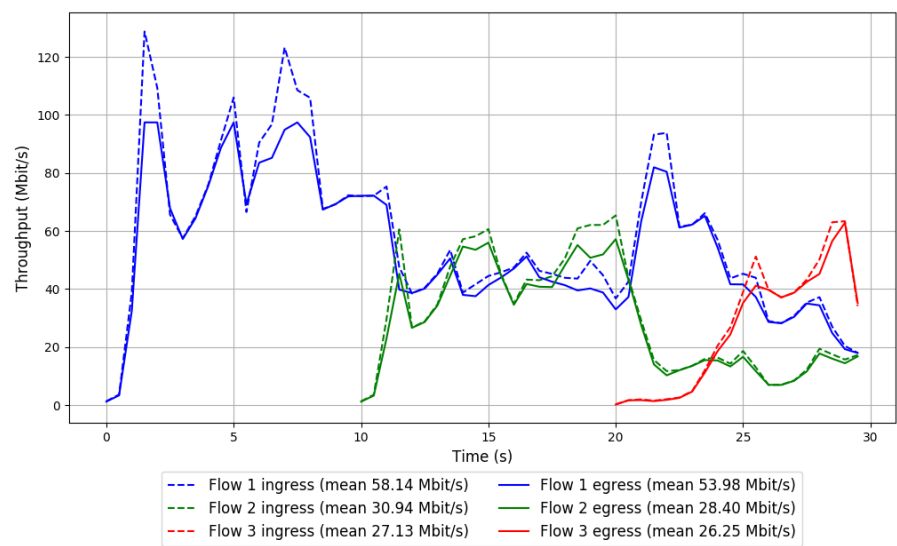


Run 2: Statistics of Vivace-loss

Start at: 2018-02-04 22:19:13
End at: 2018-02-04 22:19:43
Local clock offset: -0.18 ms
Remote clock offset: -6.376 ms

Below is generated by plot.py at 2018-02-05 02:59:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 62.878 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 53.98 Mbit/s
95th percentile per-packet one-way delay: 62.959 ms
Loss rate: 7.17%
-- Flow 2:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 63.377 ms
Loss rate: 8.19%
-- Flow 3:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 60.948 ms
Loss rate: 5.97%

Run 2: Report of Vivace-loss — Data Link

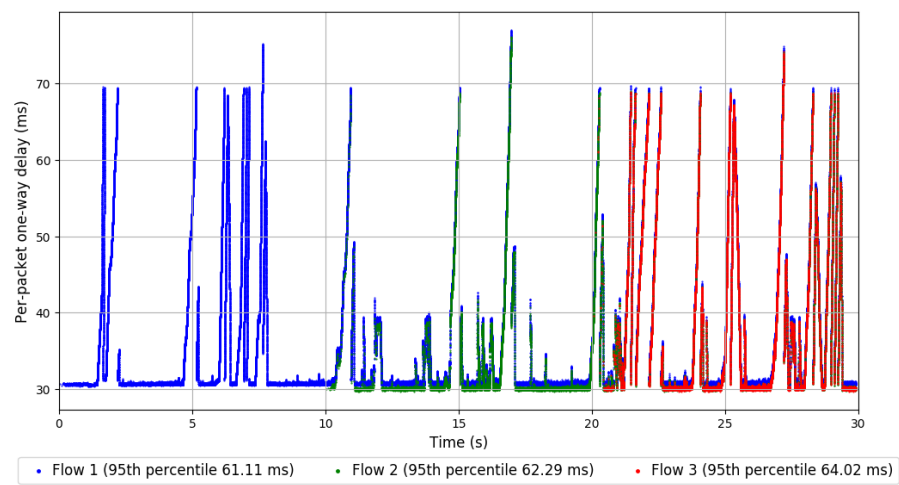
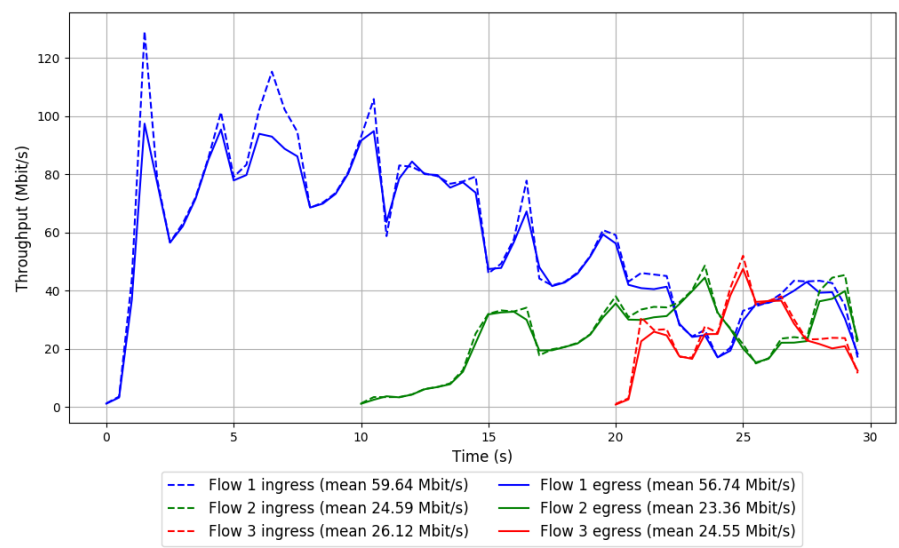


Run 3: Statistics of Vivace-loss

Start at: 2018-02-04 22:44:51
End at: 2018-02-04 22:45:21
Local clock offset: -0.385 ms
Remote clock offset: -7.575 ms

Below is generated by plot.py at 2018-02-05 02:59:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 61.790 ms
Loss rate: 5.01%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 61.113 ms
Loss rate: 4.86%
-- Flow 2:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 62.294 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 64.018 ms
Loss rate: 6.10%

Run 3: Report of Vivace-loss — Data Link

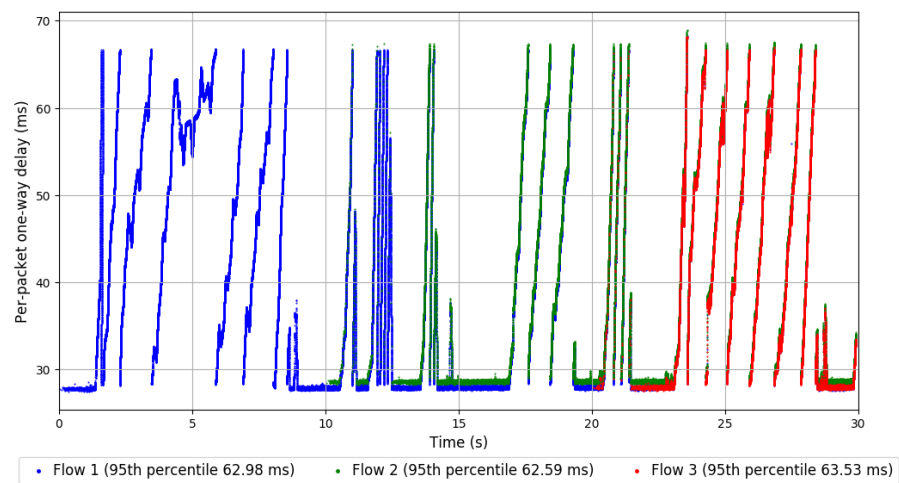
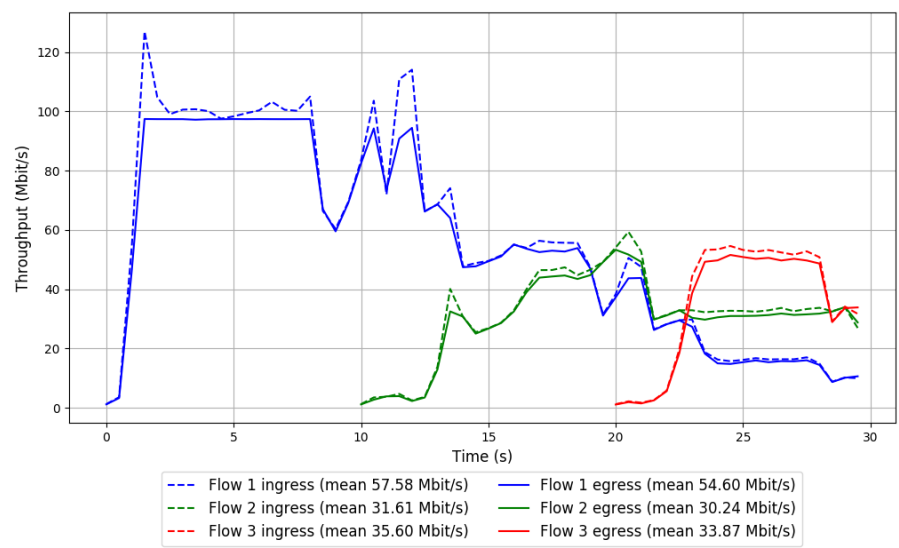


Run 4: Statistics of Vivace-loss

Start at: 2018-02-04 23:11:03
End at: 2018-02-04 23:11:33
Local clock offset: -0.351 ms
Remote clock offset: -10.976 ms

Below is generated by plot.py at 2018-02-05 02:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: 62.980 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 62.982 ms
Loss rate: 5.15%
-- Flow 2:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 62.586 ms
Loss rate: 4.30%
-- Flow 3:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 63.529 ms
Loss rate: 4.82%

Run 4: Report of Vivace-loss — Data Link

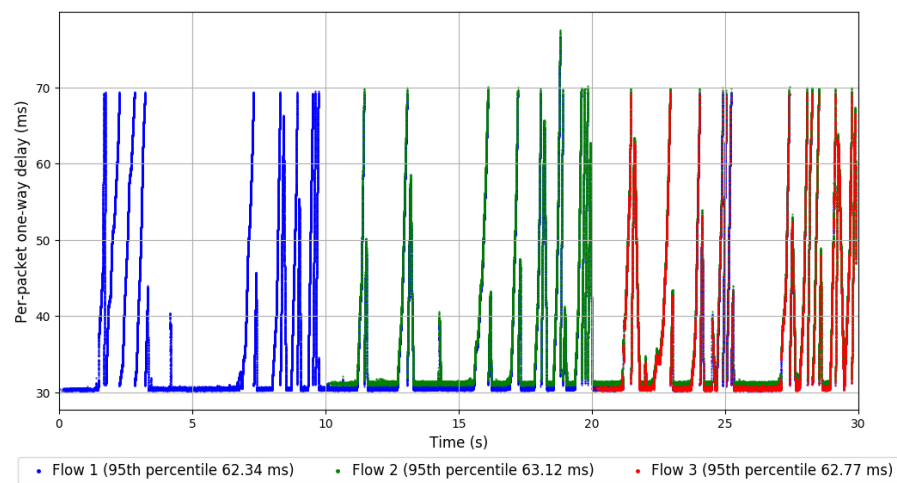
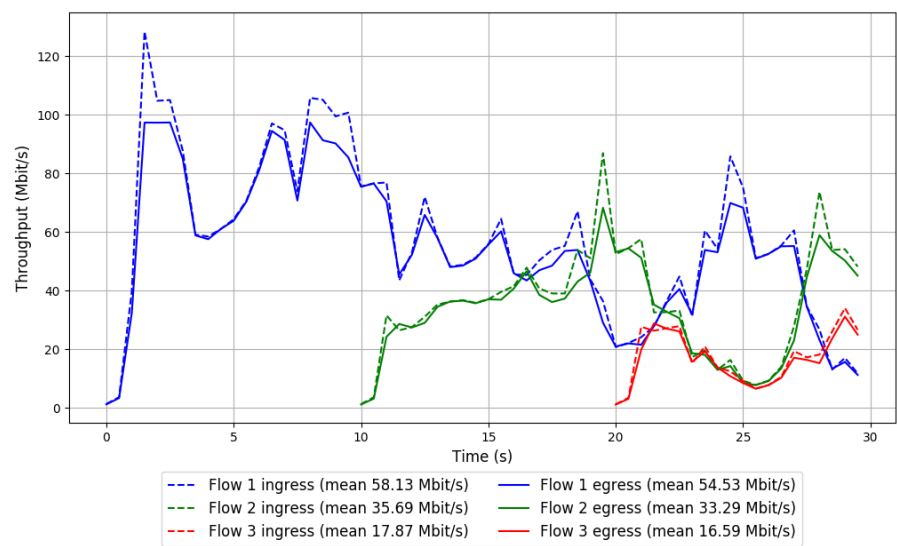


Run 5: Statistics of Vivace-loss

Start at: 2018-02-04 23:37:28
End at: 2018-02-04 23:37:58
Local clock offset: 0.066 ms
Remote clock offset: -8.379 ms

Below is generated by plot.py at 2018-02-05 02:59:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 62.612 ms
Loss rate: 6.34%
-- Flow 1:
Average throughput: 54.53 Mbit/s
95th percentile per-packet one-way delay: 62.336 ms
Loss rate: 6.15%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 63.117 ms
Loss rate: 6.64%
-- Flow 3:
Average throughput: 16.59 Mbit/s
95th percentile per-packet one-way delay: 62.770 ms
Loss rate: 7.01%

Run 5: Report of Vivace-loss — Data Link

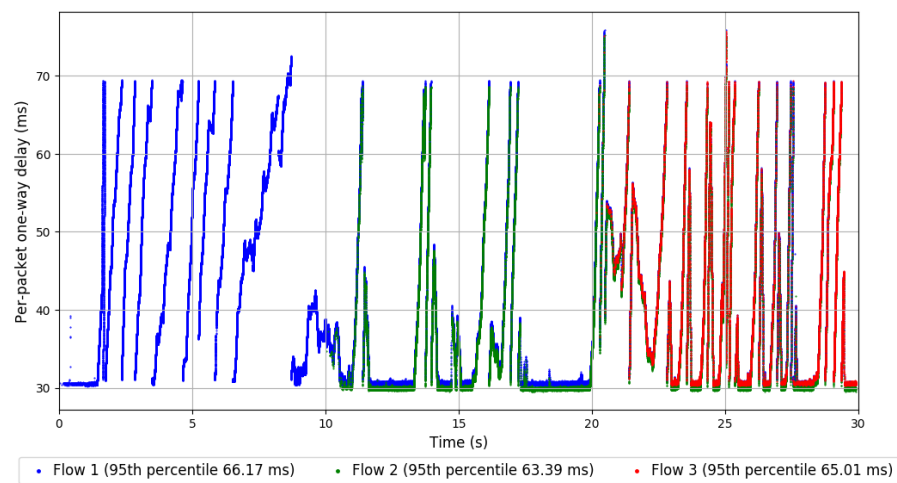
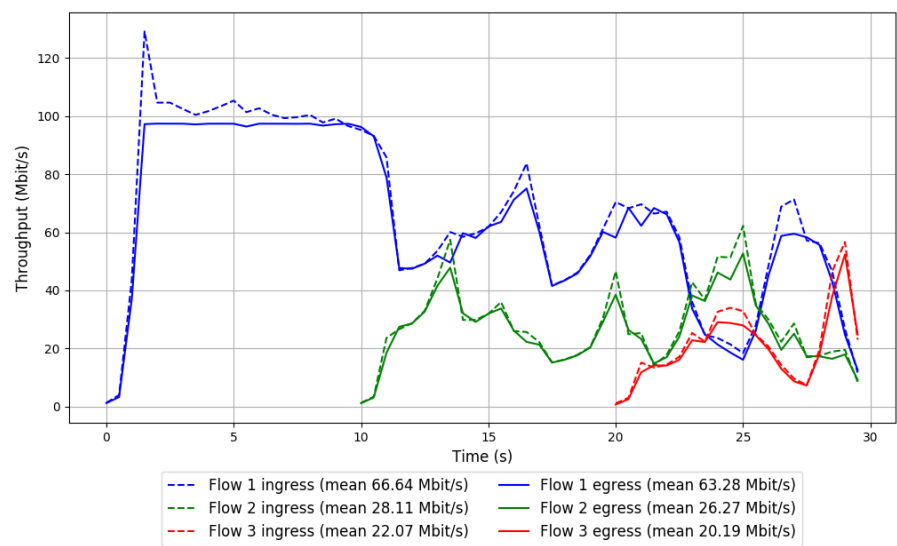


Run 6: Statistics of Vivace-loss

Start at: 2018-02-05 00:03:53
End at: 2018-02-05 00:04:23
Local clock offset: 0.459 ms
Remote clock offset: -7.664 ms

Below is generated by plot.py at 2018-02-05 03:00:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 65.741 ms
Loss rate: 5.64%
-- Flow 1:
Average throughput: 63.28 Mbit/s
95th percentile per-packet one-way delay: 66.174 ms
Loss rate: 5.06%
-- Flow 2:
Average throughput: 26.27 Mbit/s
95th percentile per-packet one-way delay: 63.390 ms
Loss rate: 6.56%
-- Flow 3:
Average throughput: 20.19 Mbit/s
95th percentile per-packet one-way delay: 65.007 ms
Loss rate: 8.62%

Run 6: Report of Vivace-loss — Data Link

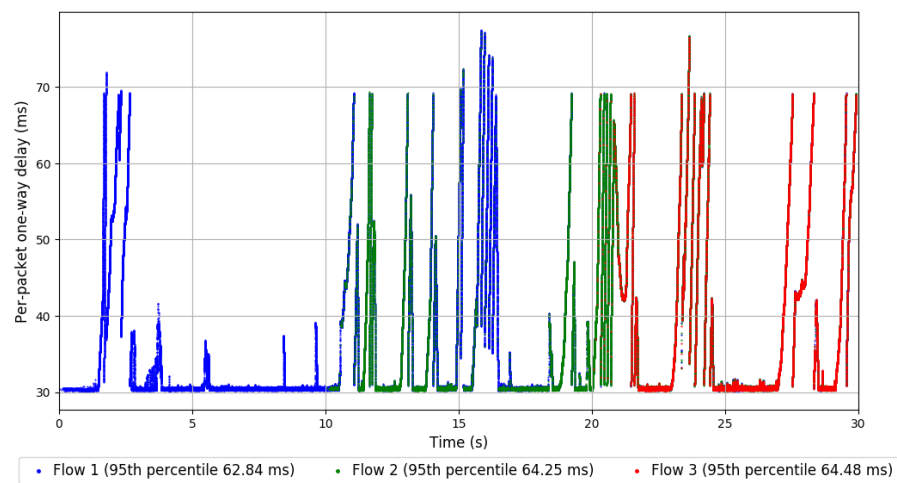
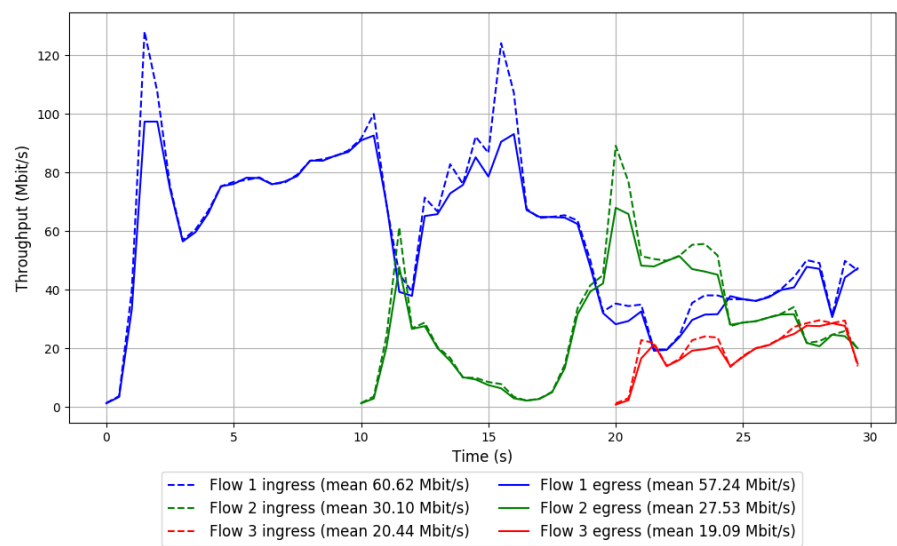


Run 7: Statistics of Vivace-loss

Start at: 2018-02-05 00:30:08
End at: 2018-02-05 00:30:38
Local clock offset: 0.738 ms
Remote clock offset: -5.839 ms

Below is generated by plot.py at 2018-02-05 03:00:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 63.439 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 62.838 ms
Loss rate: 5.51%
-- Flow 2:
Average throughput: 27.53 Mbit/s
95th percentile per-packet one-way delay: 64.249 ms
Loss rate: 8.43%
-- Flow 3:
Average throughput: 19.09 Mbit/s
95th percentile per-packet one-way delay: 64.480 ms
Loss rate: 6.40%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-05 00:57:14

End at: 2018-02-05 00:57:44

Local clock offset: 1.038 ms

Remote clock offset: -6.49 ms

Below is generated by plot.py at 2018-02-05 03:01:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 61.672 ms

Loss rate: 5.24%

-- Flow 1:

Average throughput: 54.44 Mbit/s

95th percentile per-packet one-way delay: 61.928 ms

Loss rate: 4.96%

-- Flow 2:

Average throughput: 33.24 Mbit/s

95th percentile per-packet one-way delay: 61.424 ms

Loss rate: 5.19%

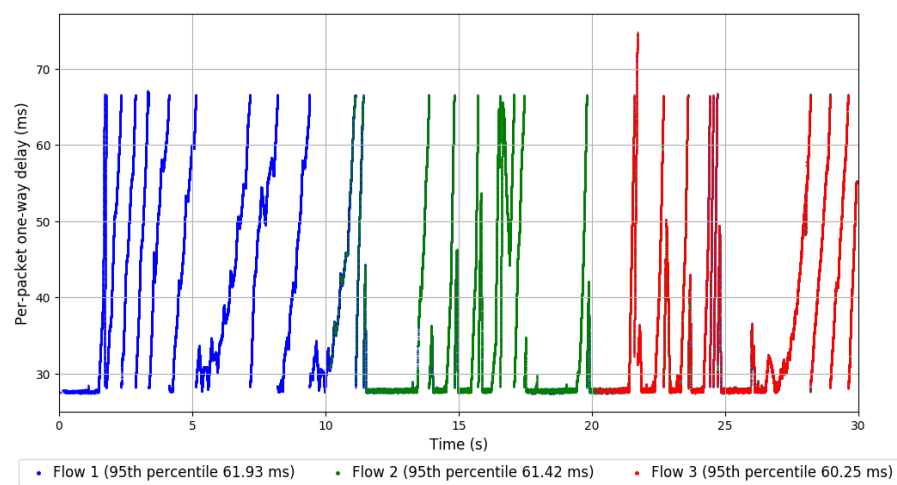
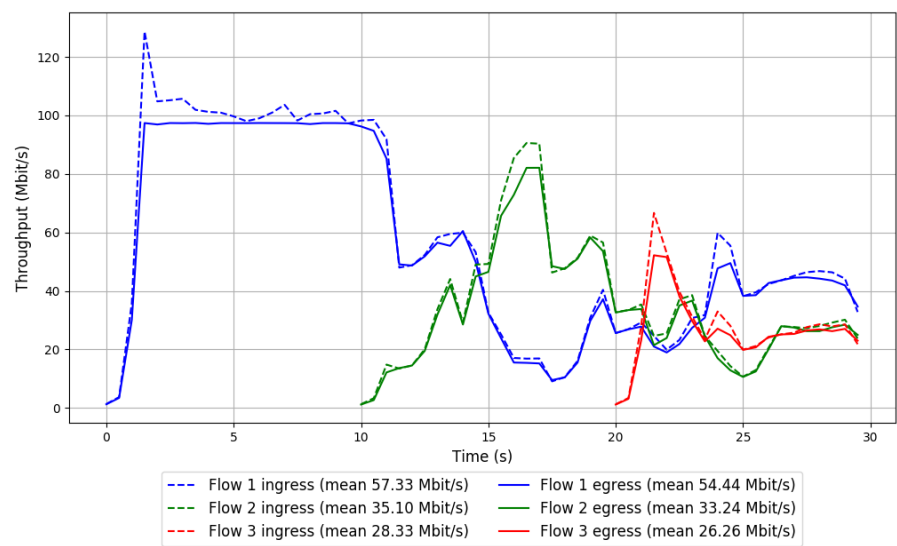
-- Flow 3:

Average throughput: 26.26 Mbit/s

95th percentile per-packet one-way delay: 60.251 ms

Loss rate: 7.06%

Run 8: Report of Vivace-loss — Data Link

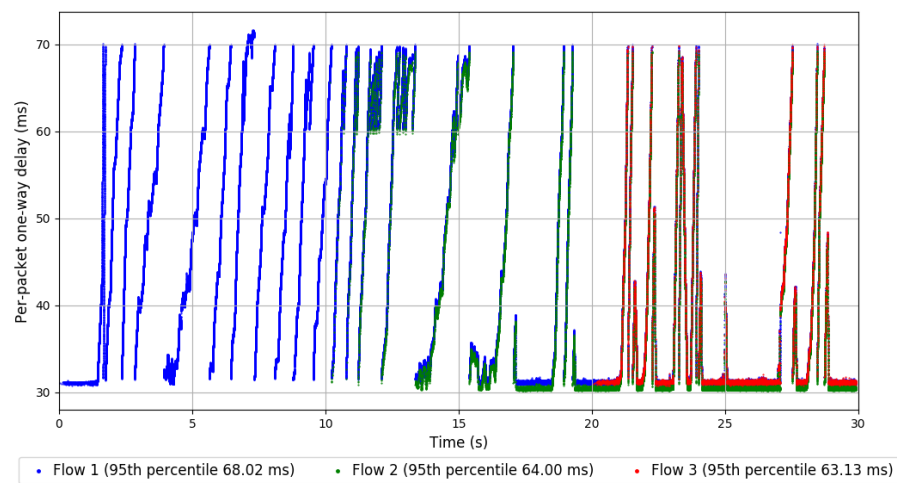
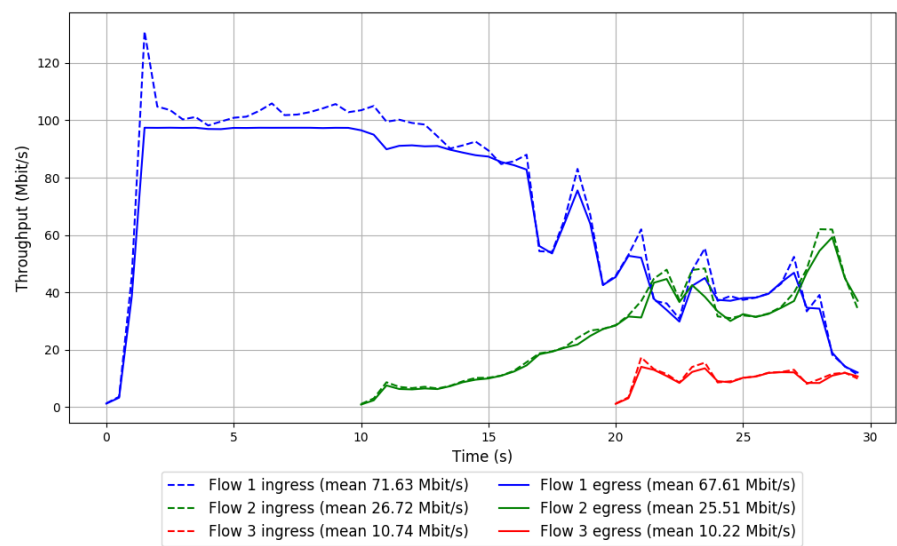


Run 9: Statistics of Vivace-loss

Start at: 2018-02-05 01:23:54
End at: 2018-02-05 01:24:24
Local clock offset: 1.24 ms
Remote clock offset: -3.092 ms

Below is generated by plot.py at 2018-02-05 03:01:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 67.611 ms
Loss rate: 5.41%
-- Flow 1:
Average throughput: 67.61 Mbit/s
95th percentile per-packet one-way delay: 68.017 ms
Loss rate: 5.61%
-- Flow 2:
Average throughput: 25.51 Mbit/s
95th percentile per-packet one-way delay: 64.002 ms
Loss rate: 4.68%
-- Flow 3:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 63.131 ms
Loss rate: 4.93%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-02-05 01:50:06

End at: 2018-02-05 01:50:36

Local clock offset: 1.278 ms

Remote clock offset: -3.73 ms

Below is generated by plot.py at 2018-02-05 03:01:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.42 Mbit/s

95th percentile per-packet one-way delay: 64.120 ms

Loss rate: 6.25%

-- Flow 1:

Average throughput: 51.85 Mbit/s

95th percentile per-packet one-way delay: 64.160 ms

Loss rate: 5.33%

-- Flow 2:

Average throughput: 29.46 Mbit/s

95th percentile per-packet one-way delay: 63.493 ms

Loss rate: 8.04%

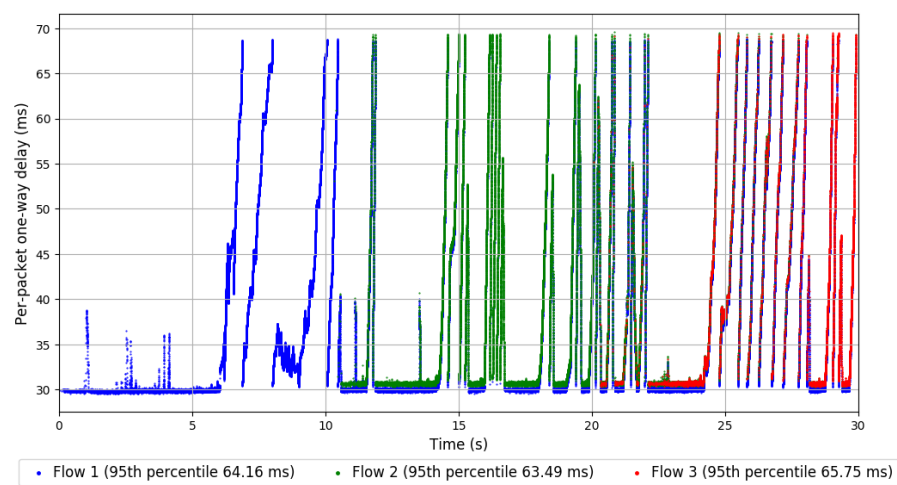
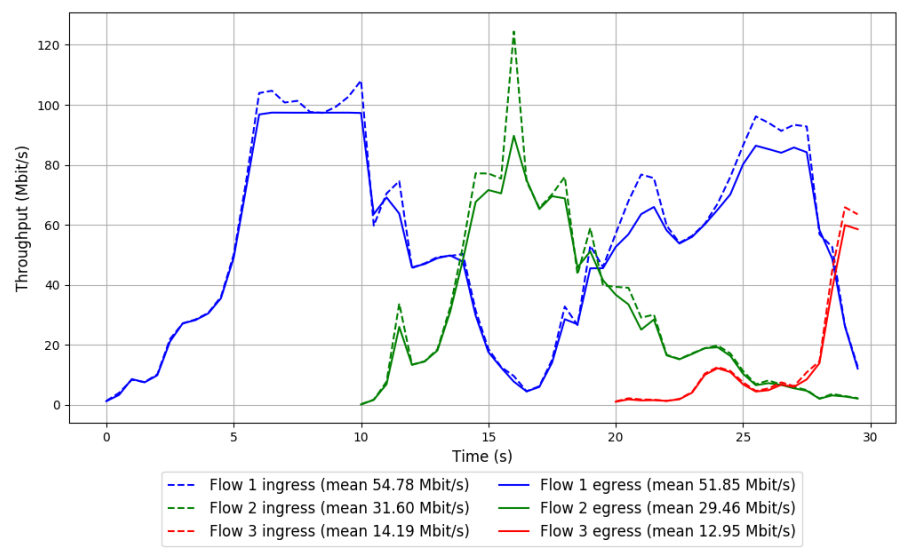
-- Flow 3:

Average throughput: 12.95 Mbit/s

95th percentile per-packet one-way delay: 65.752 ms

Loss rate: 8.94%

Run 10: Report of Vivace-loss — Data Link

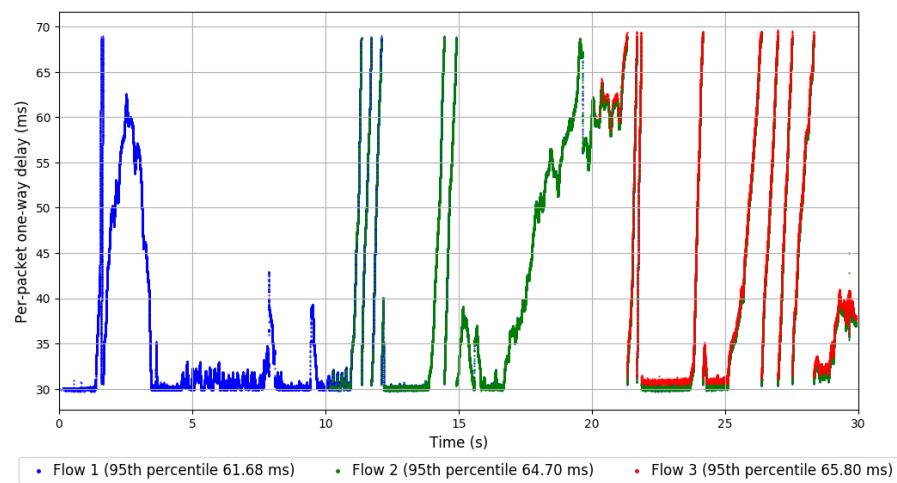
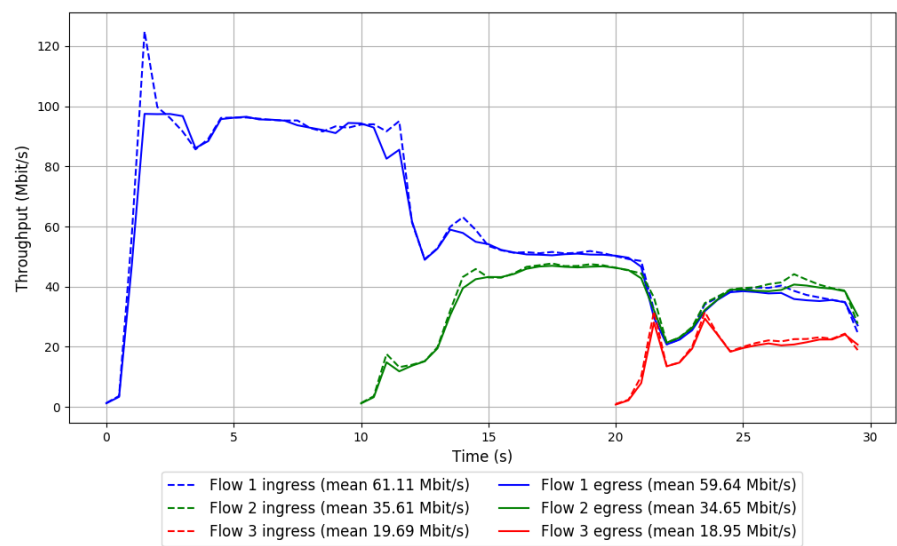


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-04 22:09:18
End at: 2018-02-04 22:09:48
Local clock offset: -0.178 ms
Remote clock offset: -6.438 ms

Below is generated by plot.py at 2018-02-05 03:01:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 62.859 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 61.684 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 64.701 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 65.800 ms
Loss rate: 3.97%

Run 1: Report of Vivace-LTE — Data Link

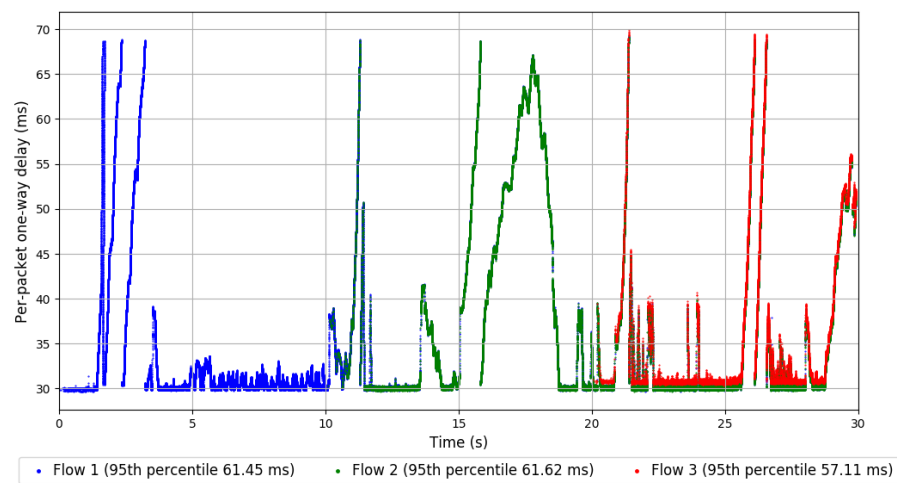
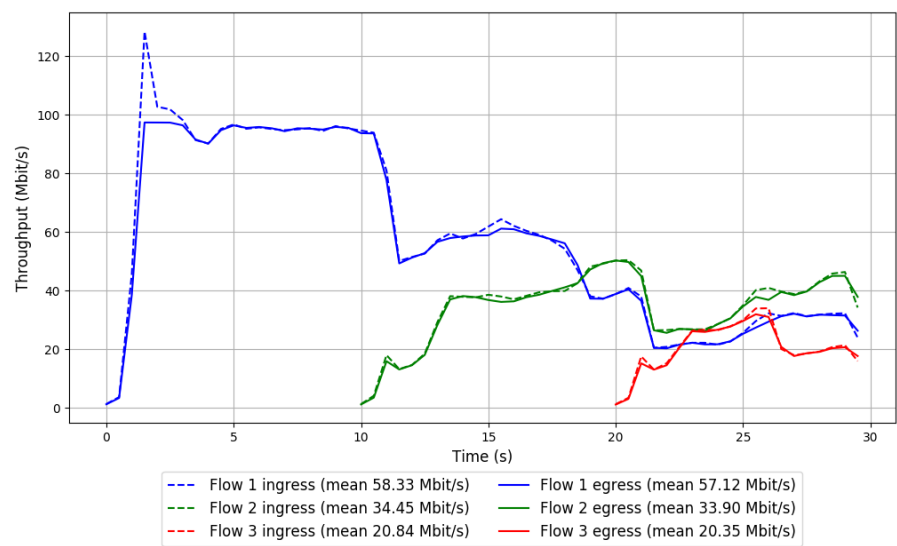


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-04 22:34:45
End at: 2018-02-04 22:35:15
Local clock offset: -0.299 ms
Remote clock offset: -7.128 ms

Below is generated by plot.py at 2018-02-05 03:01:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 61.345 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 57.12 Mbit/s
95th percentile per-packet one-way delay: 61.452 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 61.616 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 57.109 ms
Loss rate: 2.15%

Run 2: Report of Vivace-LTE — Data Link

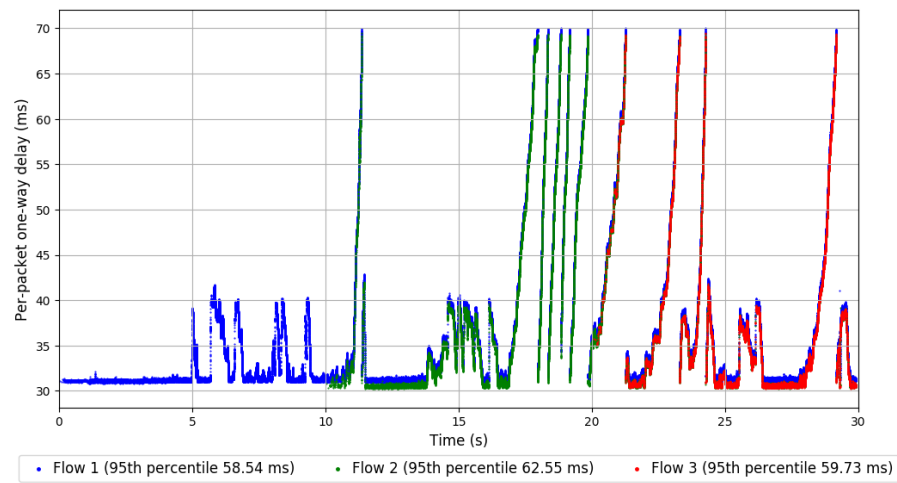
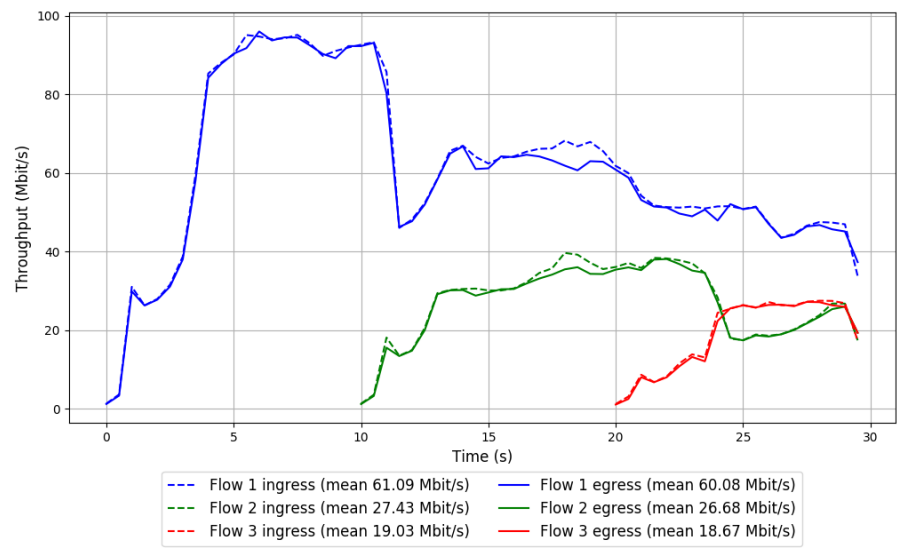


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-04 23:00:52
End at: 2018-02-04 23:01:22
Local clock offset: -0.387 ms
Remote clock offset: -7.866 ms

Below is generated by plot.py at 2018-02-05 03:01:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: 59.786 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 60.08 Mbit/s
95th percentile per-packet one-way delay: 58.541 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 62.554 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 59.729 ms
Loss rate: 1.94%

Run 3: Report of Vivace-LTE — Data Link

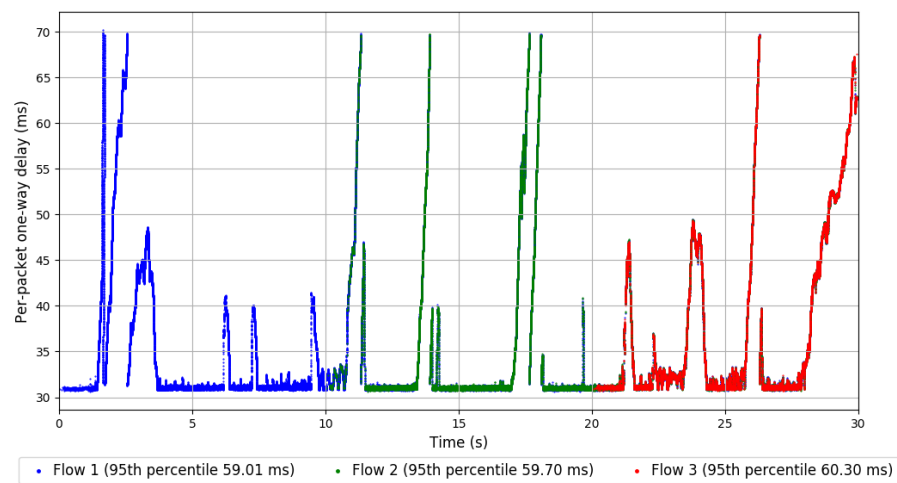
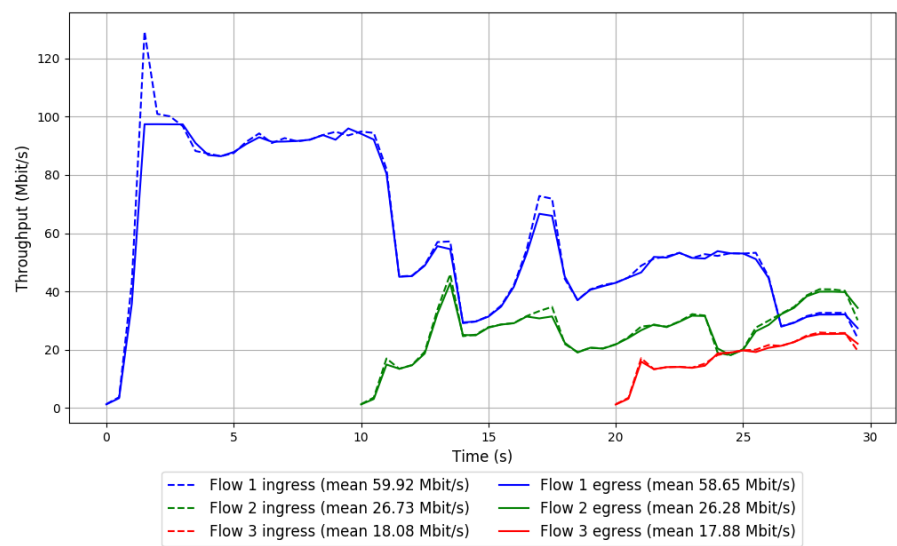


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-04 23:27:16
End at: 2018-02-04 23:27:46
Local clock offset: 0.005 ms
Remote clock offset: -8.813 ms

Below is generated by plot.py at 2018-02-05 03:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 59.213 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 58.65 Mbit/s
95th percentile per-packet one-way delay: 59.009 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 26.28 Mbit/s
95th percentile per-packet one-way delay: 59.705 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 17.88 Mbit/s
95th percentile per-packet one-way delay: 60.295 ms
Loss rate: 0.75%

Run 4: Report of Vivace-LTE — Data Link

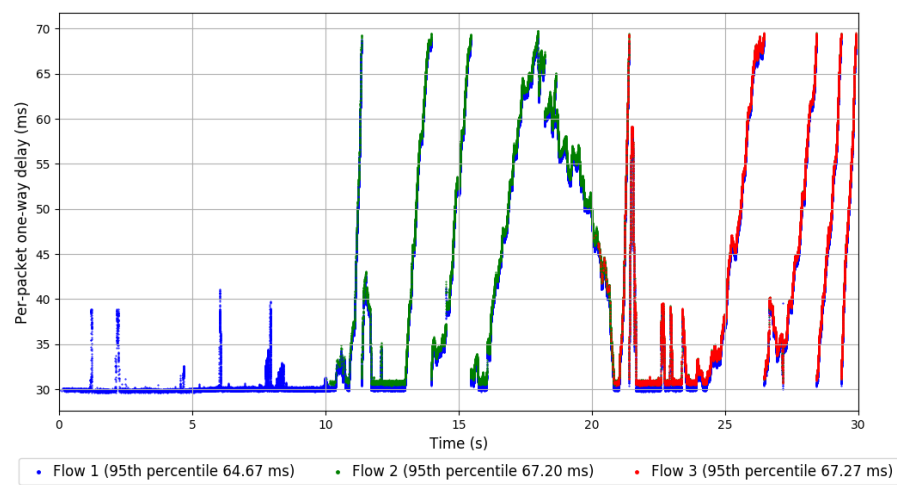
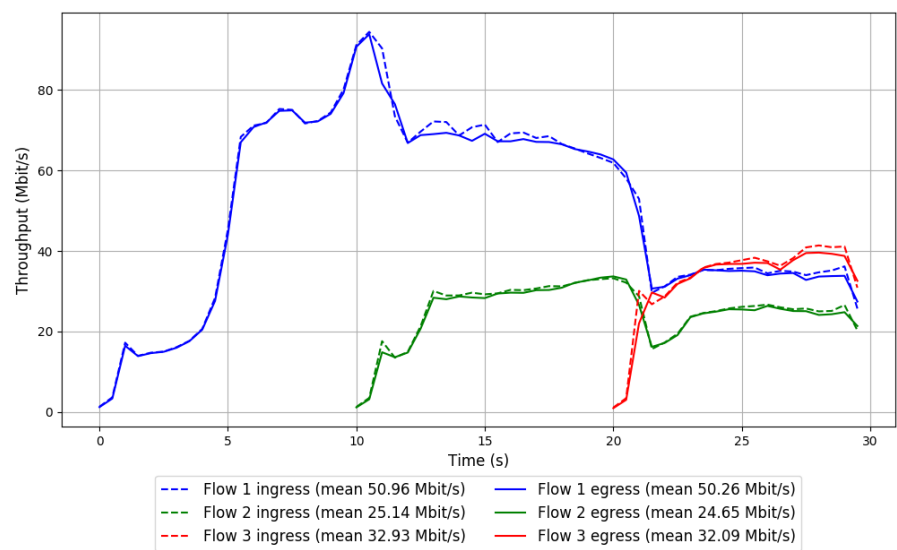


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-04 23:53:54
End at: 2018-02-04 23:54:24
Local clock offset: 0.436 ms
Remote clock offset: -7.945 ms

Below is generated by plot.py at 2018-02-05 03:01:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 65.867 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 64.673 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 67.200 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 67.270 ms
Loss rate: 2.56%

Run 5: Report of Vivace-LTE — Data Link

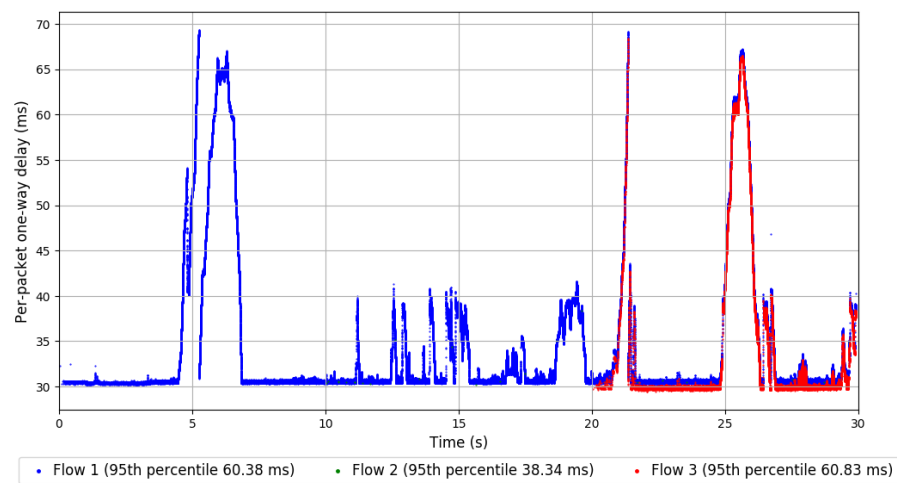
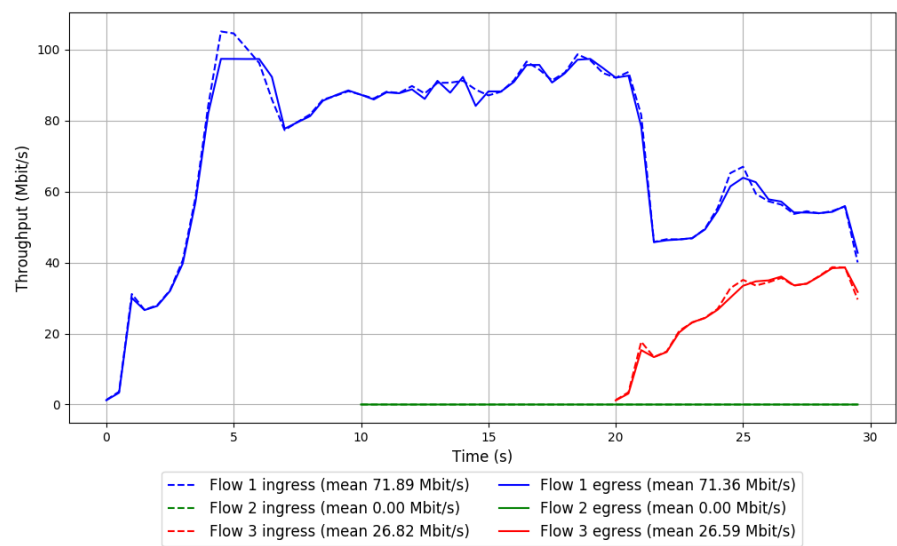


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-05 00:19:52
End at: 2018-02-05 00:20:22
Local clock offset: 0.721 ms
Remote clock offset: -6.893 ms

Below is generated by plot.py at 2018-02-05 03:02:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: 60.507 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 71.36 Mbit/s
95th percentile per-packet one-way delay: 60.377 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 38.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.59 Mbit/s
95th percentile per-packet one-way delay: 60.826 ms
Loss rate: 0.79%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-02-05 00:46:55

End at: 2018-02-05 00:47:25

Local clock offset: 0.893 ms

Remote clock offset: -5.19 ms

Below is generated by plot.py at 2018-02-05 03:02:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.64 Mbit/s

95th percentile per-packet one-way delay: 63.219 ms

Loss rate: 1.97%

-- Flow 1:

Average throughput: 72.01 Mbit/s

95th percentile per-packet one-way delay: 62.790 ms

Loss rate: 1.90%

-- Flow 2:

Average throughput: 18.26 Mbit/s

95th percentile per-packet one-way delay: 64.361 ms

Loss rate: 1.94%

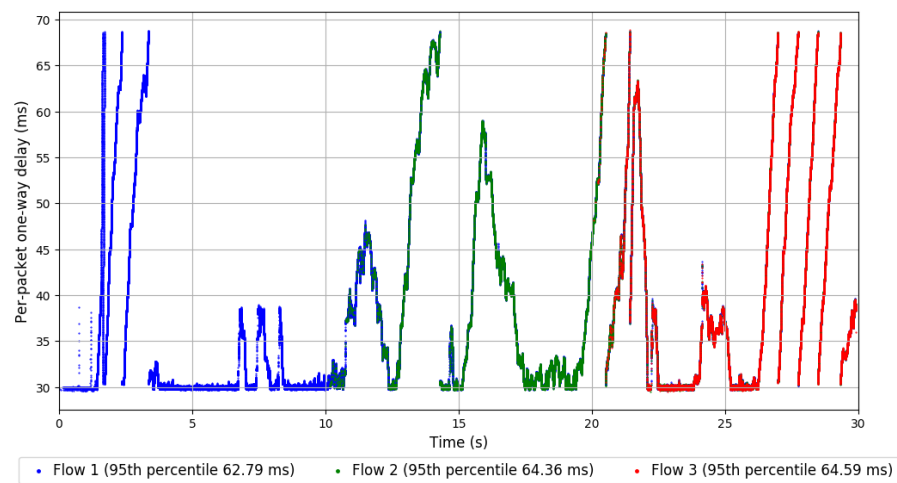
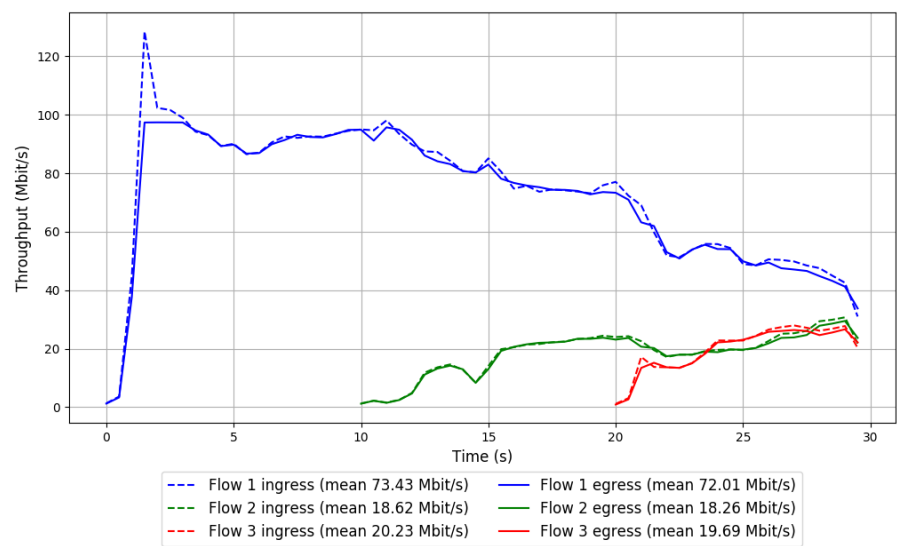
-- Flow 3:

Average throughput: 19.69 Mbit/s

95th percentile per-packet one-way delay: 64.591 ms

Loss rate: 2.79%

Run 7: Report of Vivace-LTE — Data Link

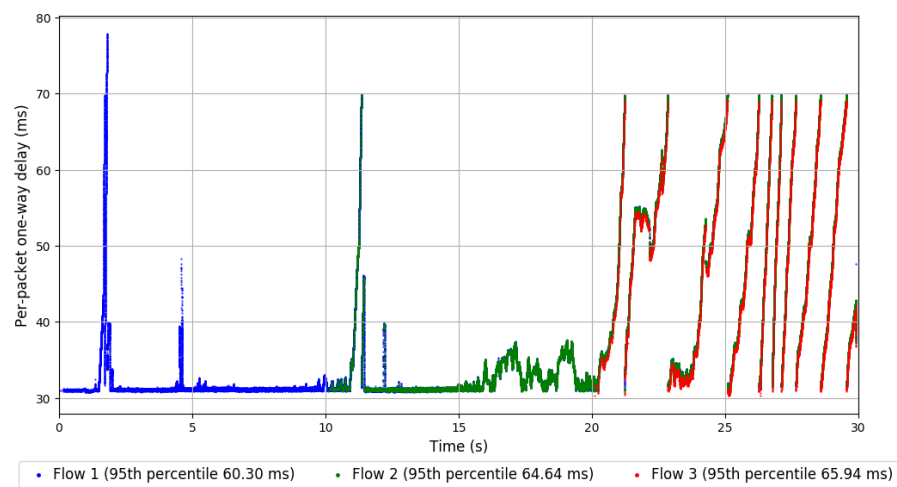
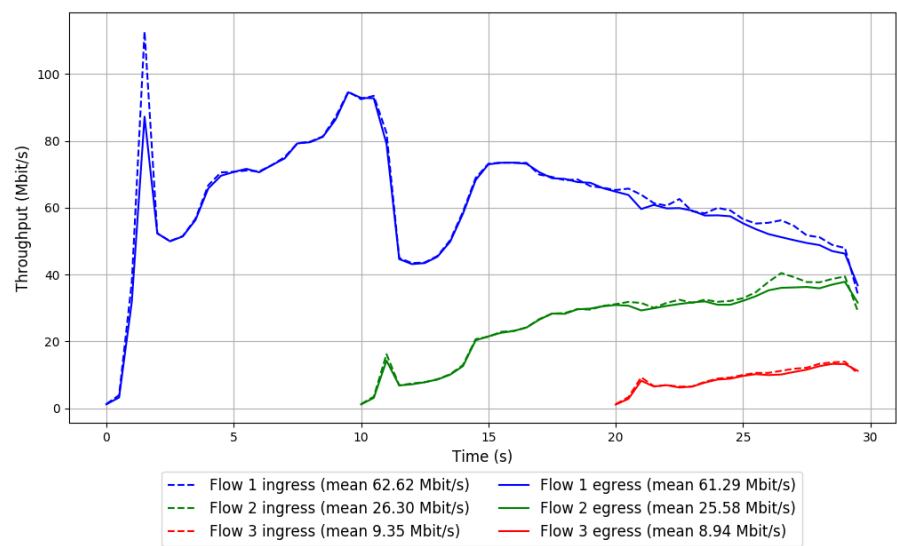


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-05 01:13:35
End at: 2018-02-05 01:14:05
Local clock offset: 1.15 ms
Remote clock offset: -3.256 ms

Below is generated by plot.py at 2018-02-05 03:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 62.577 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 61.29 Mbit/s
95th percentile per-packet one-way delay: 60.305 ms
Loss rate: 2.10%
-- Flow 2:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 64.637 ms
Loss rate: 2.73%
-- Flow 3:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 65.937 ms
Loss rate: 4.34%

Run 8: Report of Vivace-LTE — Data Link

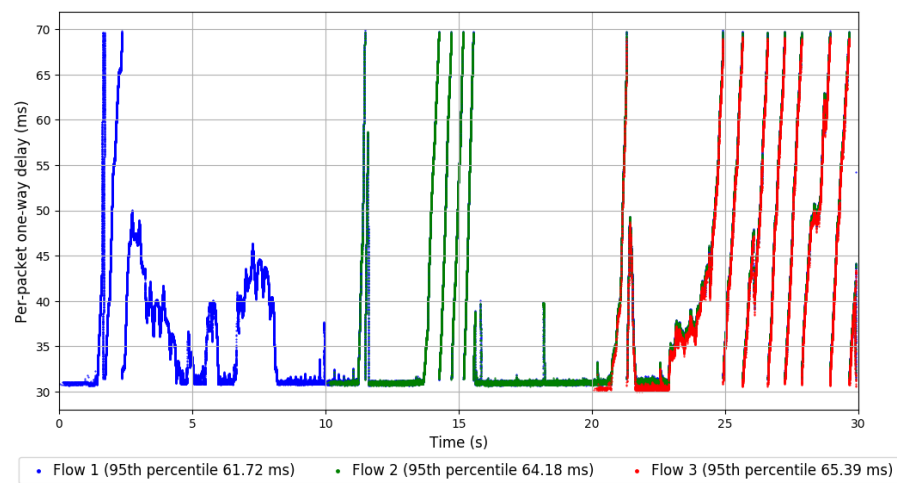
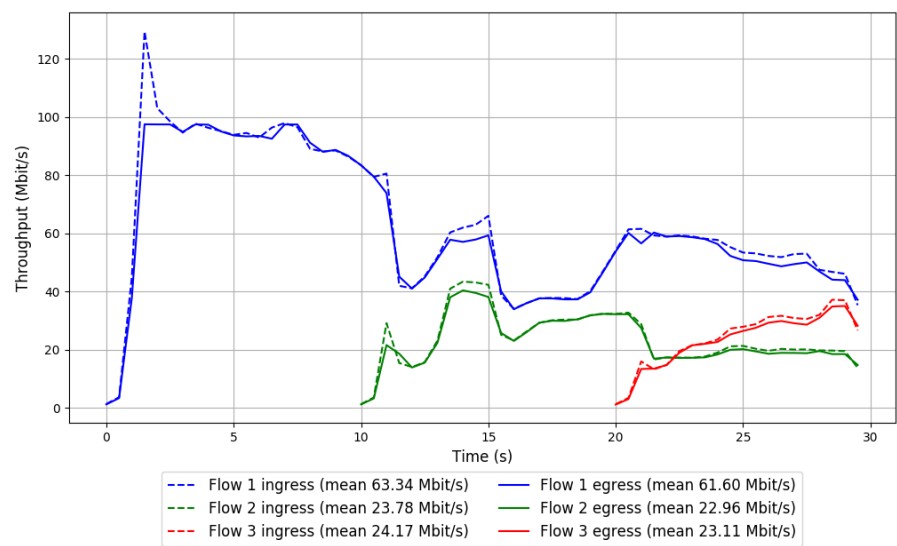


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-05 01:40:00
End at: 2018-02-05 01:40:30
Local clock offset: 1.322 ms
Remote clock offset: -3.404 ms

Below is generated by plot.py at 2018-02-05 03:02:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 62.848 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 61.60 Mbit/s
95th percentile per-packet one-way delay: 61.724 ms
Loss rate: 2.71%
-- Flow 2:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 64.181 ms
Loss rate: 3.41%
-- Flow 3:
Average throughput: 23.11 Mbit/s
95th percentile per-packet one-way delay: 65.391 ms
Loss rate: 4.29%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-05 02:06:25
End at: 2018-02-05 02:06:55
Local clock offset: 1.217 ms
Remote clock offset: -4.036 ms

Below is generated by plot.py at 2018-02-05 03:02:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.41 Mbit/s
95th percentile per-packet one-way delay: 64.382 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 66.70 Mbit/s
95th percentile per-packet one-way delay: 64.163 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 17.07 Mbit/s
95th percentile per-packet one-way delay: 64.515 ms
Loss rate: 2.55%
-- Flow 3:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 65.237 ms
Loss rate: 3.06%

Run 10: Report of Vivace-LTE — Data Link

