

Pantheon Report

Generated at 2018-02-28 10:00:42 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

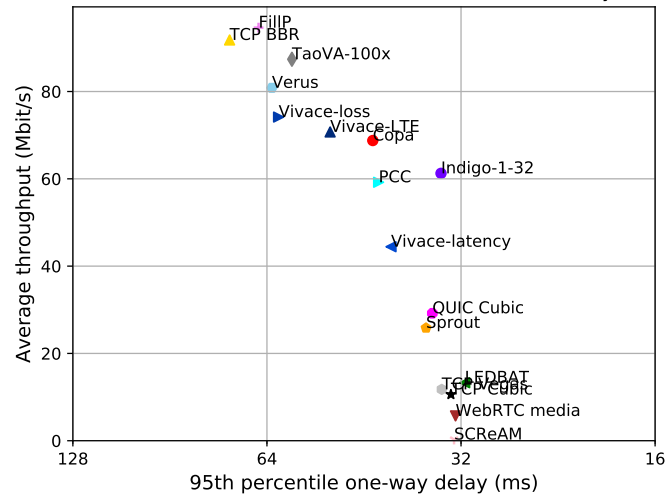
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

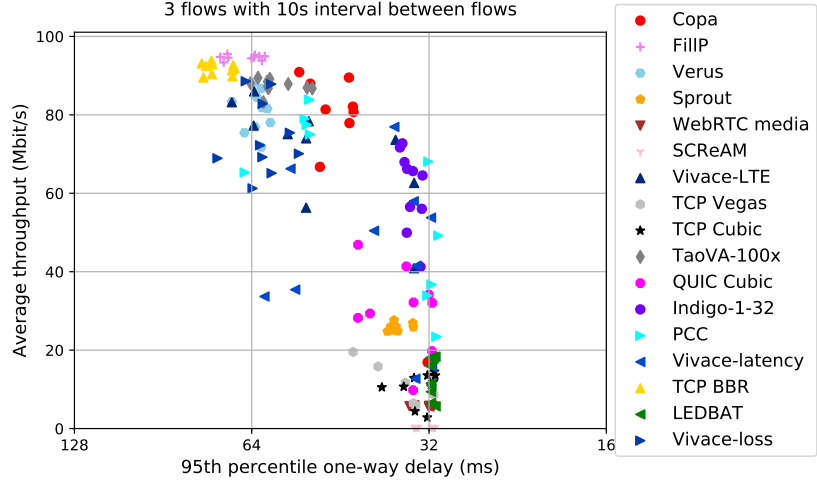
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



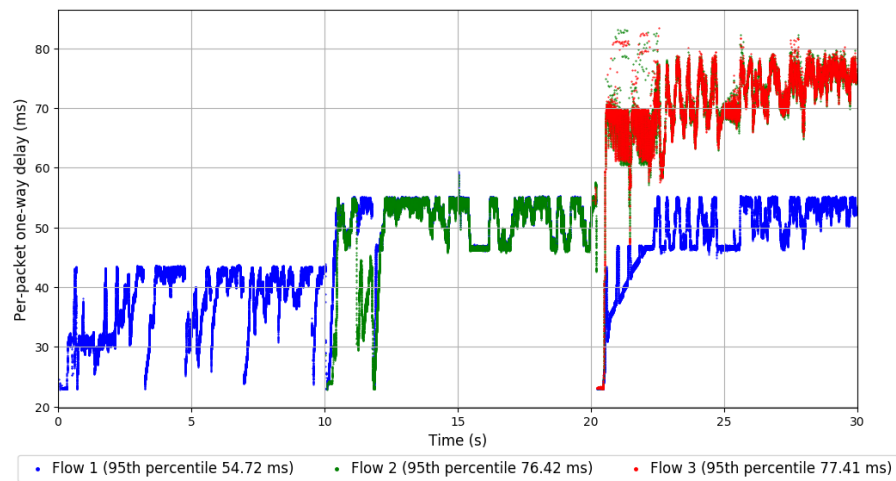
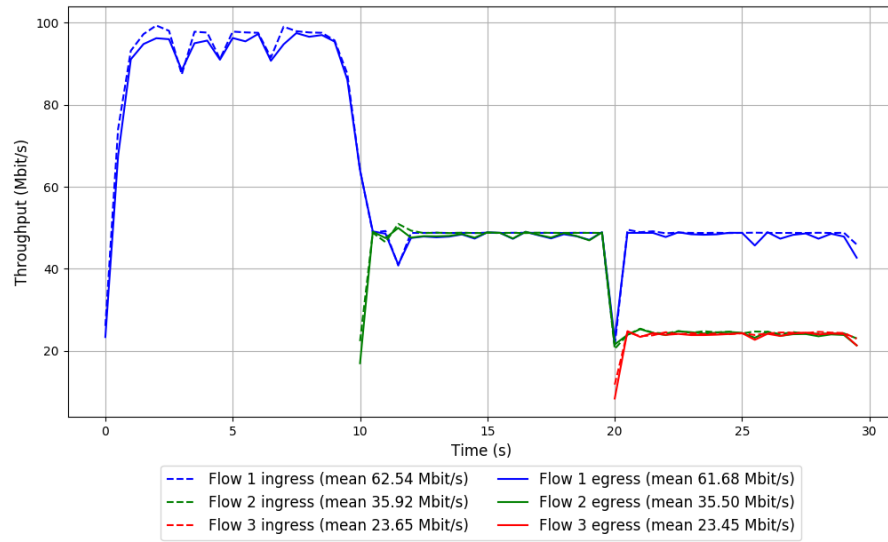
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	56.53	38.07	30.61	66.42	71.87	70.02	2.26	2.42	3.23
TCP Cubic	10	4.15	5.56	8.25	32.64	34.62	32.63	1.51	1.67	1.78
LEDBAT	10	6.59	6.91	6.59	31.58	31.58	31.60	1.53	1.49	1.65
PCC	10	35.58	25.36	20.63	42.84	43.00	44.00	1.60	1.89	2.44
QUIC Cubic	10	13.44	15.22	17.21	35.51	35.59	34.99	1.26	1.48	1.58
SCReAM	10	0.12	0.15	0.17	32.78	32.81	32.84	1.89	1.59	1.91
WebRTC media	10	3.12	1.84	0.74	32.64	32.62	32.65	1.71	1.74	2.09
Sprout	10	13.18	12.85	12.52	35.87	36.45	36.91	1.47	1.63	1.91
TaoVA-100x	10	51.24	39.57	30.31	57.82	59.66	59.67	2.05	2.29	2.64
TCP Vegas	10	5.52	6.40	6.01	33.00	35.58	33.88	1.13	1.35	1.60
Verus	10	48.03	34.82	29.63	59.73	64.68	63.13	1.95	1.81	2.31
Copa	10	56.77	13.68	8.78	43.42	41.02	45.67	2.35	2.32	2.74
FillP	10	58.75	37.85	32.47	61.36	66.72	63.70	2.13	2.94	4.23
Indigo-1-32	10	31.90	28.37	32.29	33.84	34.55	35.85	1.86	2.00	2.60
Vivace-latency	10	31.57	13.60	11.69	39.22	37.25	39.46	1.50	1.88	2.73
Vivace-loss	10	48.00	32.18	14.53	58.71	59.22	61.39	1.98	2.38	3.36
Vivace-LTE	10	50.43	22.70	16.04	49.57	50.62	46.56	1.92	2.41	3.06

Run 1: Statistics of TCP BBR

Start at: 2018-02-27 23:59:26
End at: 2018-02-27 23:59:56
Local clock offset: -1.592 ms
Remote clock offset: -4.459 ms

Below is generated by plot.py at 2018-02-28 09:42:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 74.738 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 54.722 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 35.50 Mbit/s
95th percentile per-packet one-way delay: 76.424 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 77.405 ms
Loss rate: 1.94%

Run 1: Report of TCP BBR — Data Link

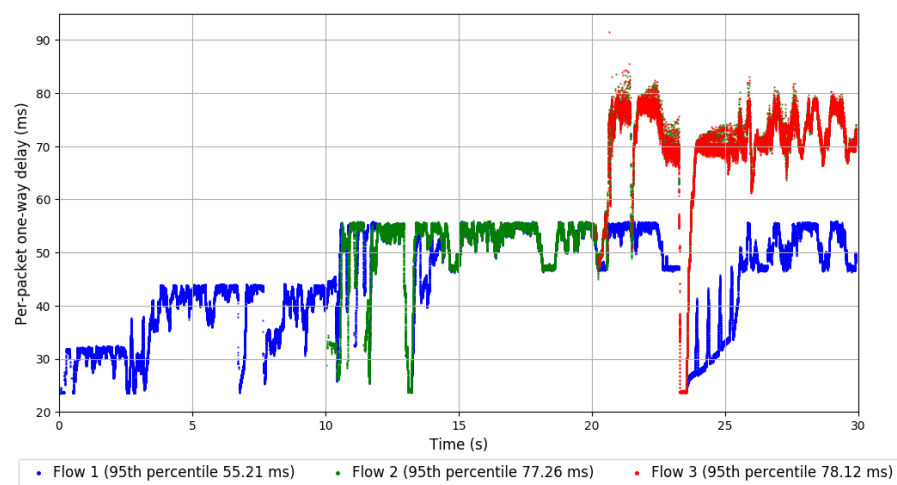
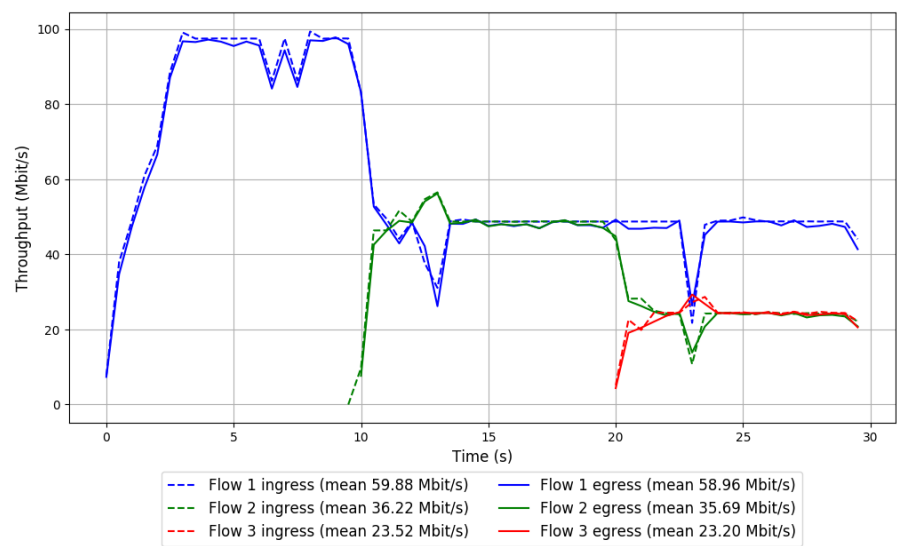


Run 2: Statistics of TCP BBR

Start at: 2018-02-28 00:26:56
End at: 2018-02-28 00:27:26
Local clock offset: -6.654 ms
Remote clock offset: -2.708 ms

Below is generated by plot.py at 2018-02-28 09:42:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 74.767 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 58.96 Mbit/s
95th percentile per-packet one-way delay: 55.210 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 35.69 Mbit/s
95th percentile per-packet one-way delay: 77.258 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 78.118 ms
Loss rate: 2.19%

Run 2: Report of TCP BBR — Data Link

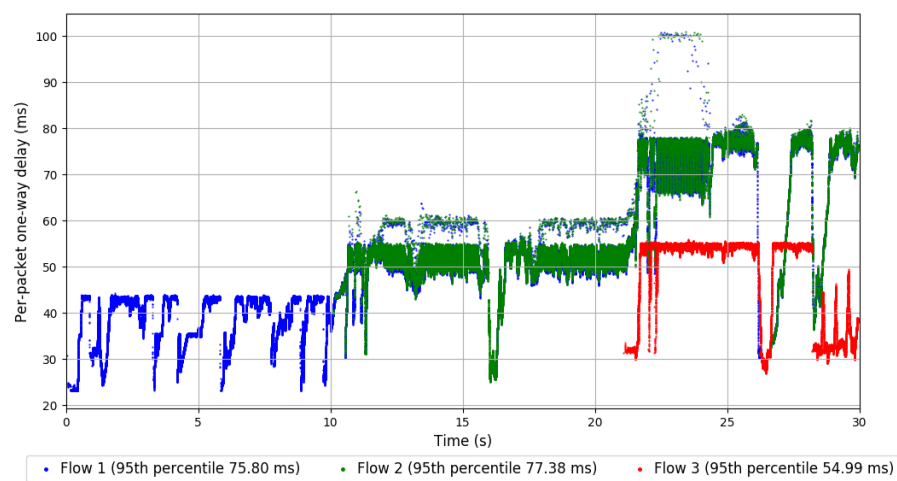
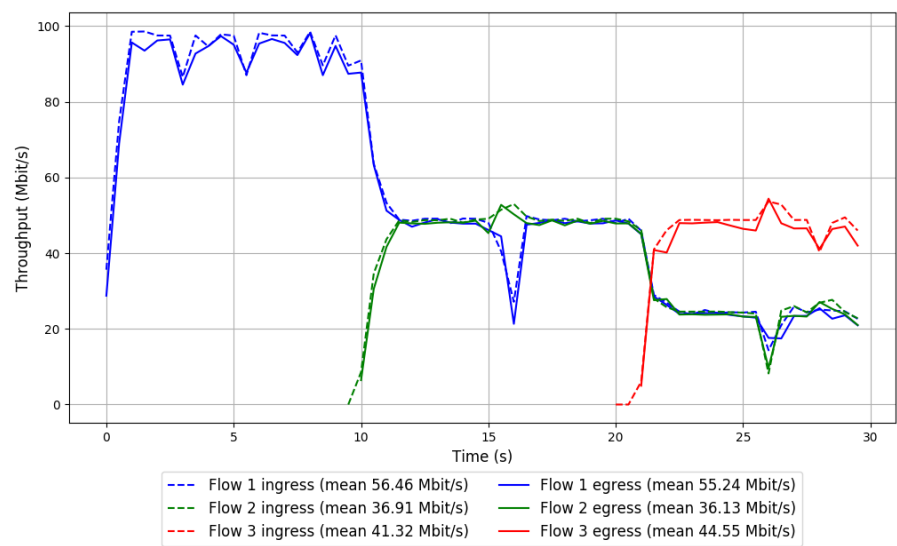


Run 3: Statistics of TCP BBR

Start at: 2018-02-28 00:54:20
End at: 2018-02-28 00:54:50
Local clock offset: -6.904 ms
Remote clock offset: -8.399 ms

Below is generated by plot.py at 2018-02-28 09:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 76.501 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 75.797 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 36.13 Mbit/s
95th percentile per-packet one-way delay: 77.382 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 54.995 ms
Loss rate: 3.97%

Run 3: Report of TCP BBR — Data Link

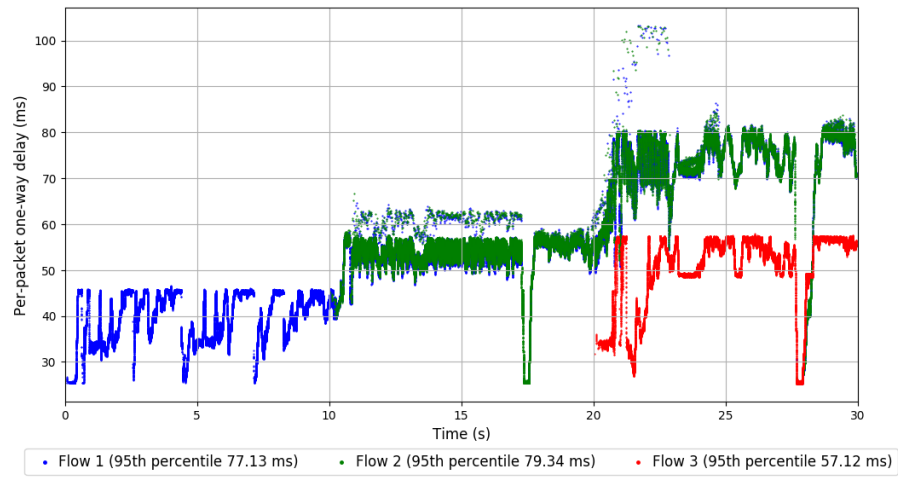
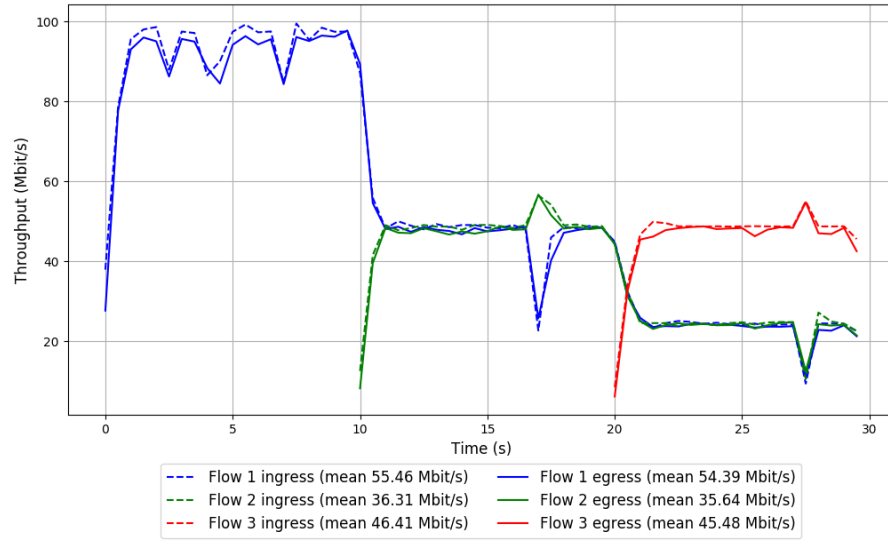


Run 4: Statistics of TCP BBR

Start at: 2018-02-28 01:21:59
End at: 2018-02-28 01:22:29
Local clock offset: -3.289 ms
Remote clock offset: -10.712 ms

Below is generated by plot.py at 2018-02-28 09:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 77.801 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 54.39 Mbit/s
95th percentile per-packet one-way delay: 77.130 ms
Loss rate: 2.10%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 79.338 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 57.121 ms
Loss rate: 2.58%

Run 4: Report of TCP BBR — Data Link

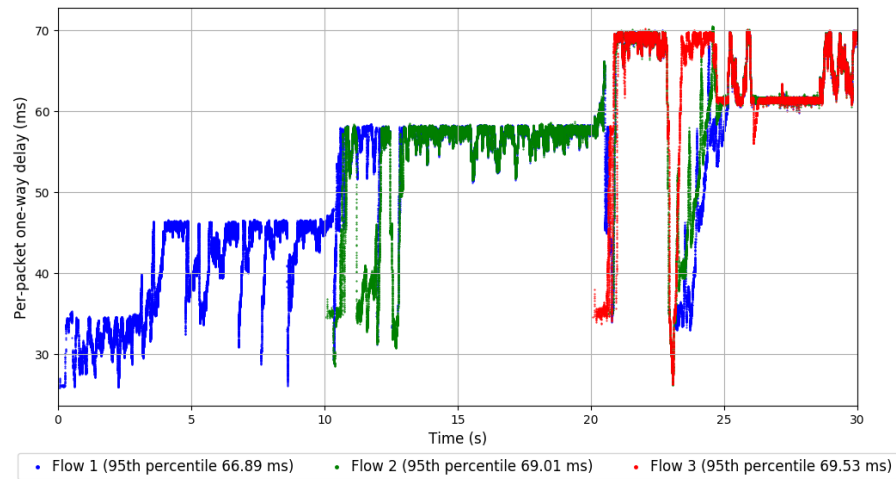
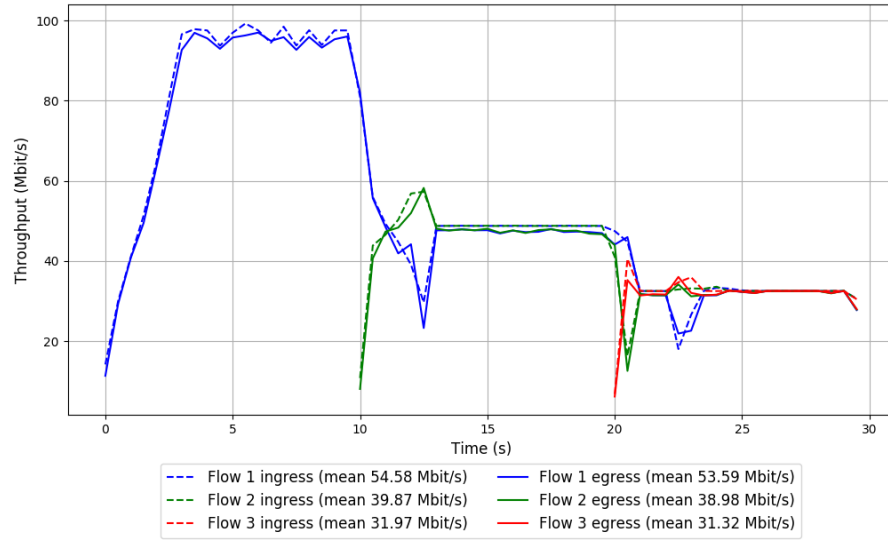


Run 5: Statistics of TCP BBR

Start at: 2018-02-28 01:49:30
End at: 2018-02-28 01:50:00
Local clock offset: 2.365 ms
Remote clock offset: -7.925 ms

Below is generated by plot.py at 2018-02-28 09:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 69.002 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 53.59 Mbit/s
95th percentile per-packet one-way delay: 66.892 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 69.011 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 69.528 ms
Loss rate: 2.66%

Run 5: Report of TCP BBR — Data Link

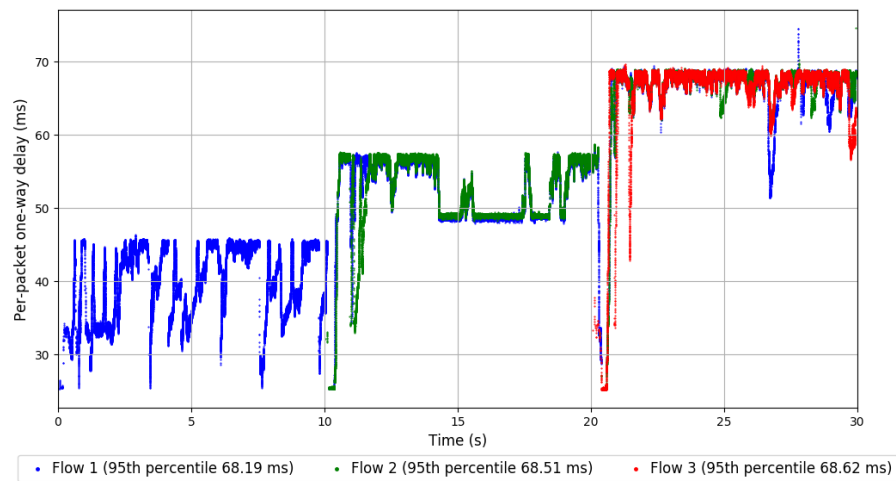
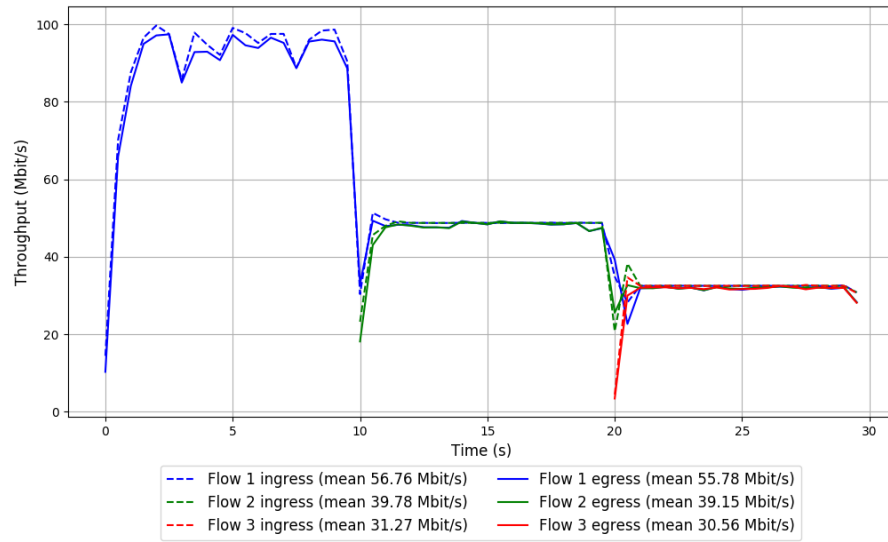


Run 6: Statistics of TCP BBR

Start at: 2018-02-28 02:17:12
End at: 2018-02-28 02:17:42
Local clock offset: 0.306 ms
Remote clock offset: -4.465 ms

Below is generated by plot.py at 2018-02-28 09:42:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.91 Mbit/s
95th percentile per-packet one-way delay: 68.435 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 55.78 Mbit/s
95th percentile per-packet one-way delay: 68.192 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 68.513 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 68.625 ms
Loss rate: 2.86%

Run 6: Report of TCP BBR — Data Link

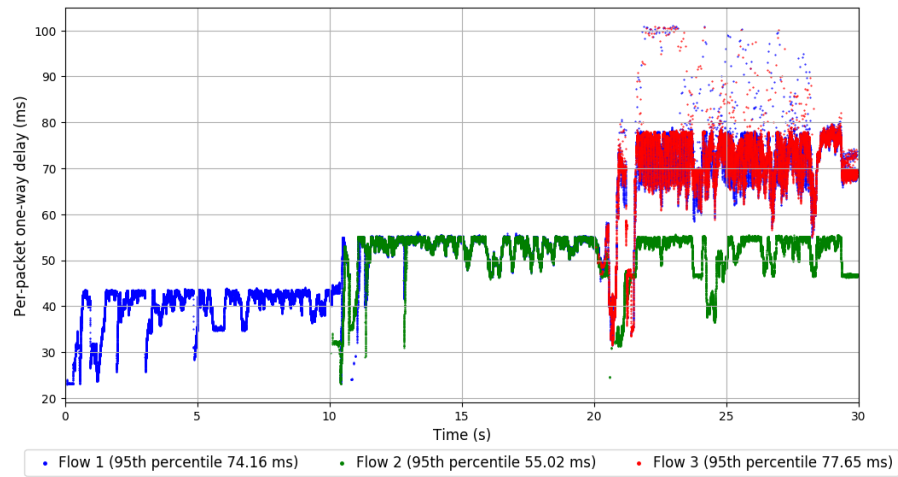
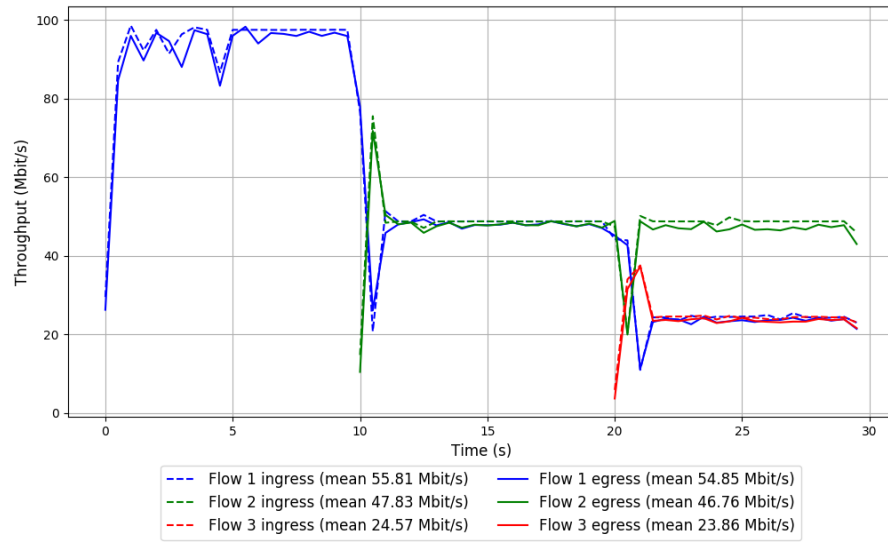


Run 7: Statistics of TCP BBR

Start at: 2018-02-28 02:45:39
End at: 2018-02-28 02:46:09
Local clock offset: -0.518 ms
Remote clock offset: -7.846 ms

Below is generated by plot.py at 2018-02-28 09:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 74.892 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 54.85 Mbit/s
95th percentile per-packet one-way delay: 74.163 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 55.025 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 77.647 ms
Loss rate: 3.95%

Run 7: Report of TCP BBR — Data Link

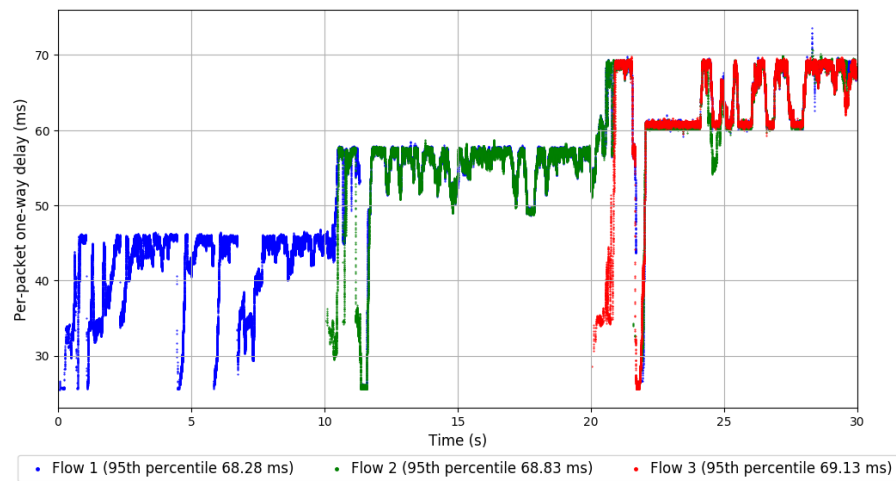
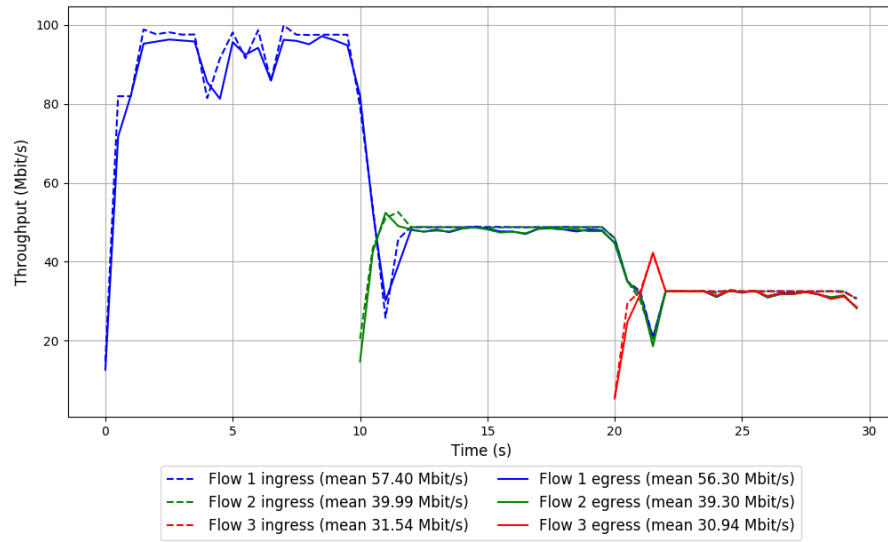


Run 8: Statistics of TCP BBR

Start at: 2018-02-28 03:13:54
End at: 2018-02-28 03:14:24
Local clock offset: -0.791 ms
Remote clock offset: -10.648 ms

Below is generated by plot.py at 2018-02-28 09:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 68.805 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 68.276 ms
Loss rate: 2.10%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 68.830 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 30.94 Mbit/s
95th percentile per-packet one-way delay: 69.131 ms
Loss rate: 2.46%

Run 8: Report of TCP BBR — Data Link

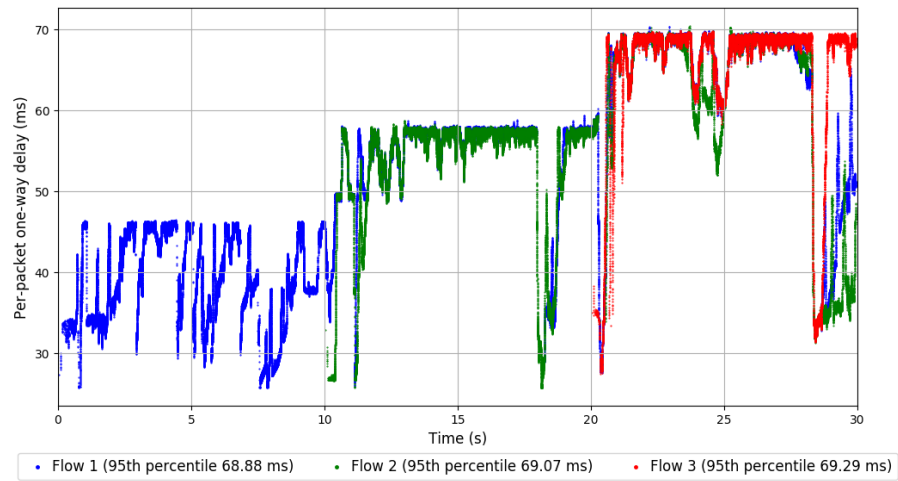
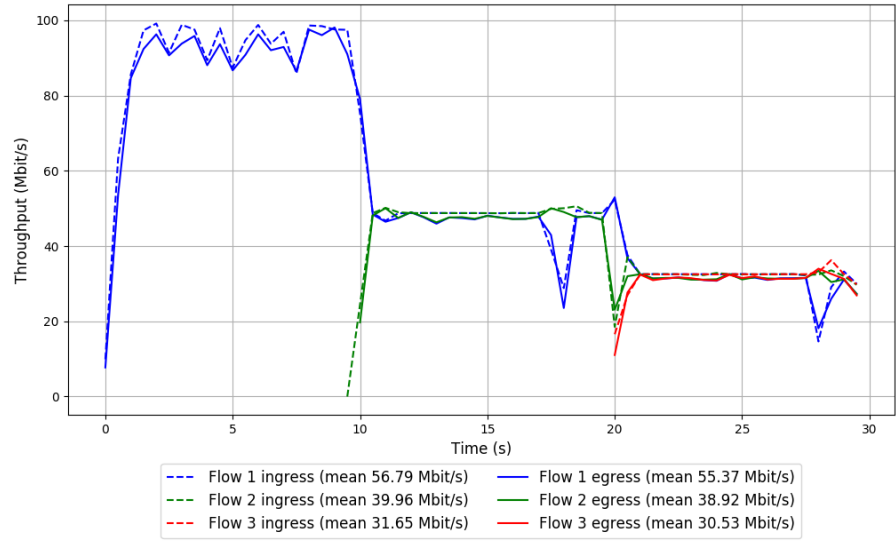


Run 9: Statistics of TCP BBR

Start at: 2018-02-28 03:42:50
End at: 2018-02-28 03:43:20
Local clock offset: 0.512 ms
Remote clock offset: -4.903 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 69.090 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 55.37 Mbit/s
95th percentile per-packet one-way delay: 68.875 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 69.070 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 30.53 Mbit/s
95th percentile per-packet one-way delay: 69.289 ms
Loss rate: 4.13%

Run 9: Report of TCP BBR — Data Link

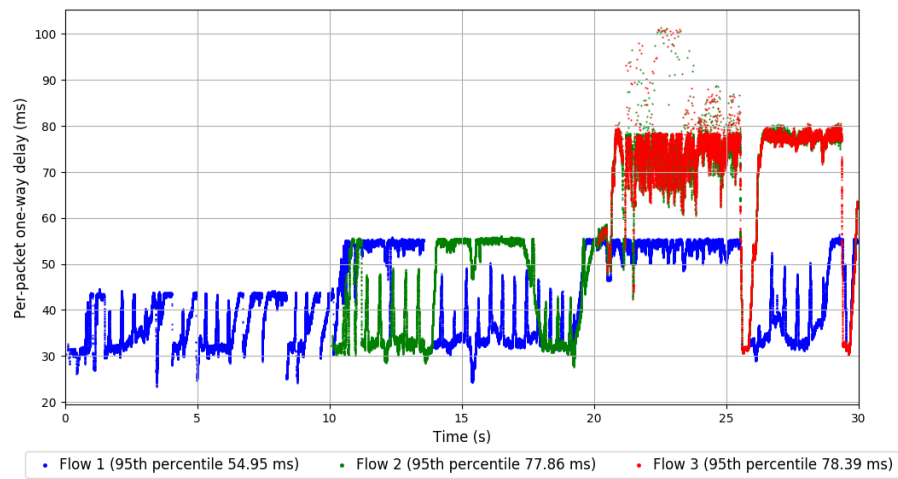
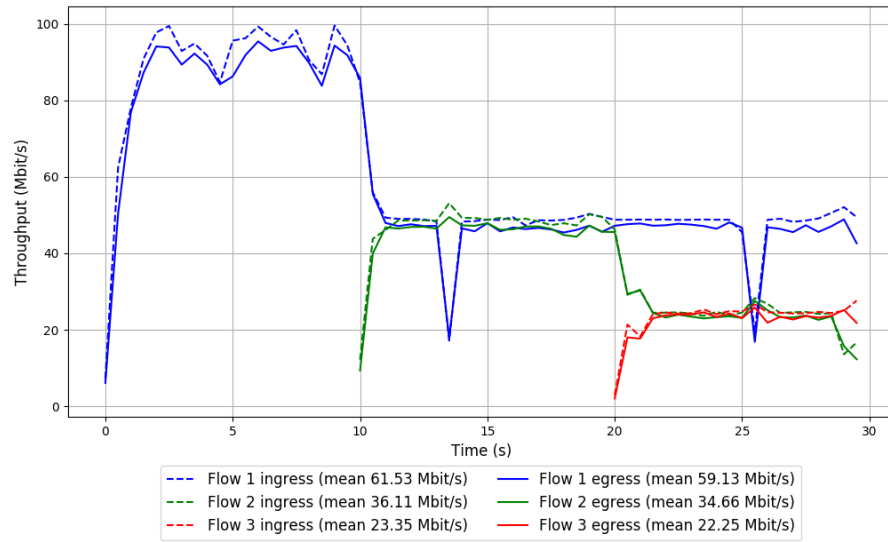


Run 10: Statistics of TCP BBR

Start at: 2018-02-28 04:12:30
End at: 2018-02-28 04:13:00
Local clock offset: -2.581 ms
Remote clock offset: -4.587 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.52 Mbit/s
95th percentile per-packet one-way delay: 77.287 ms
Loss rate: 4.27%
-- Flow 1:
Average throughput: 59.13 Mbit/s
95th percentile per-packet one-way delay: 54.949 ms
Loss rate: 4.10%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 77.863 ms
Loss rate: 4.33%
-- Flow 3:
Average throughput: 22.25 Mbit/s
95th percentile per-packet one-way delay: 78.386 ms
Loss rate: 5.53%

Run 10: Report of TCP BBR — Data Link

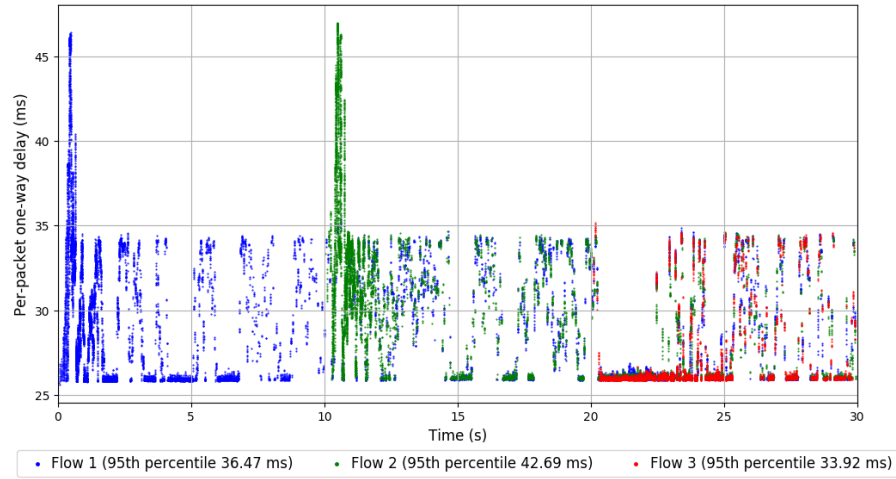
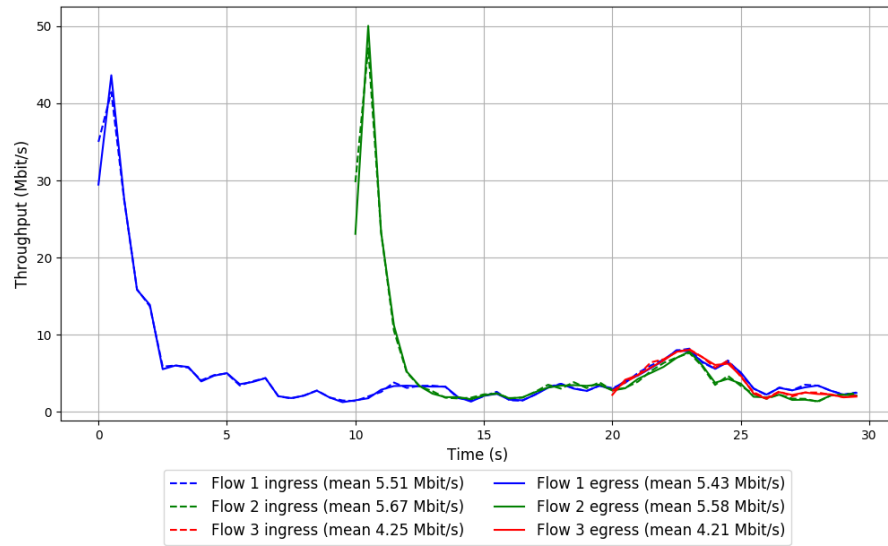


Run 1: Statistics of TCP Cubic

Start at: 2018-02-28 00:01:12
End at: 2018-02-28 00:01:42
Local clock offset: -1.536 ms
Remote clock offset: -7.076 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 38.481 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 36.470 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 42.688 ms
Loss rate: 1.96%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 33.916 ms
Loss rate: 1.62%

Run 1: Report of TCP Cubic — Data Link

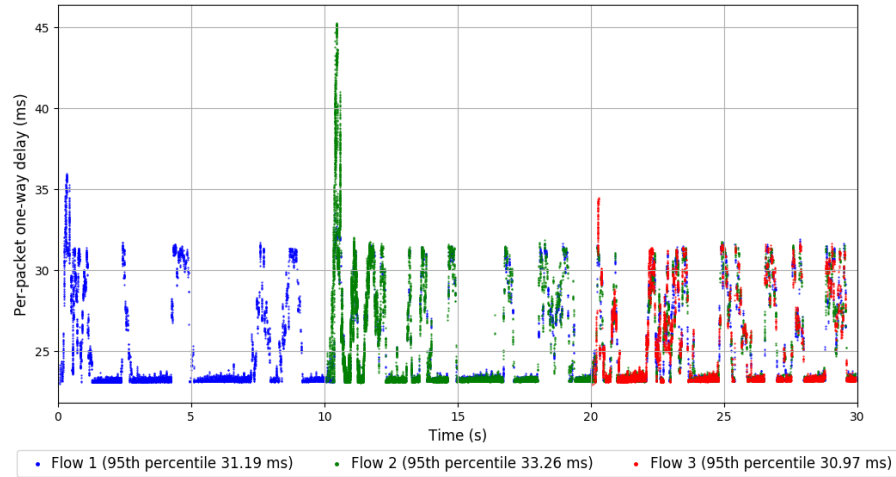
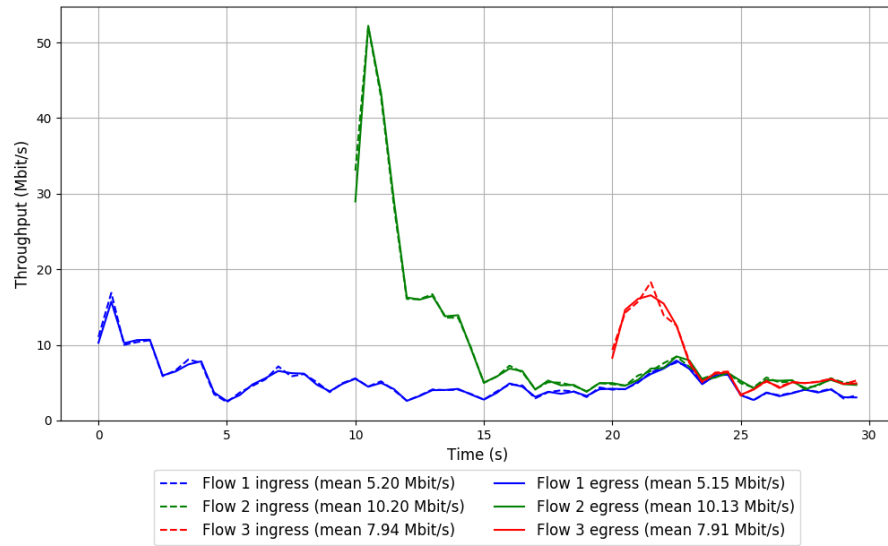


Run 2: Statistics of TCP Cubic

Start at: 2018-02-28 00:28:35
End at: 2018-02-28 00:29:05
Local clock offset: -6.891 ms
Remote clock offset: -2.128 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.50 Mbit/s
95th percentile per-packet one-way delay: 31.328 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 31.187 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 33.256 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 30.969 ms
Loss rate: 0.87%

Run 2: Report of TCP Cubic — Data Link

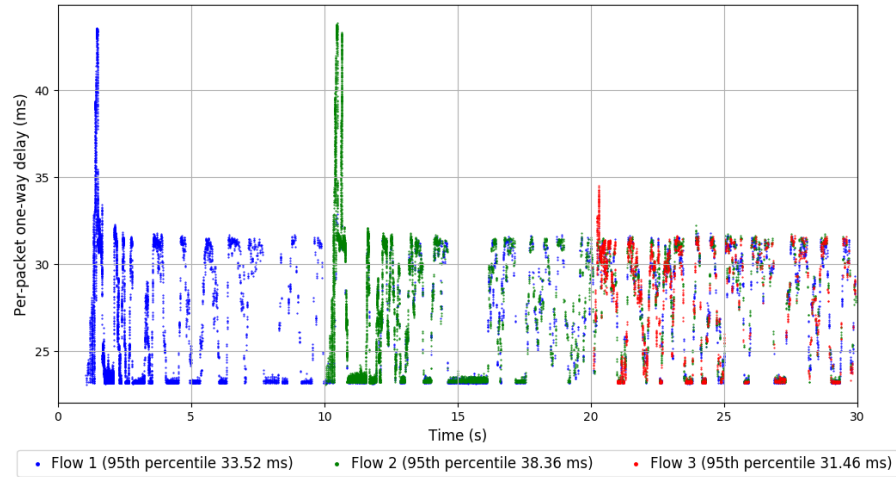
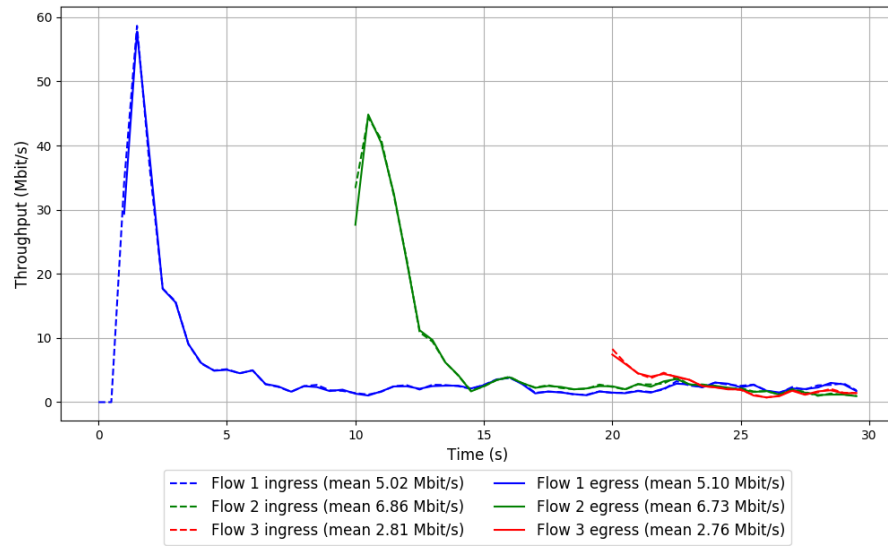


Run 3: Statistics of TCP Cubic

Start at: 2018-02-28 00:56:04
End at: 2018-02-28 00:56:34
Local clock offset: -6.891 ms
Remote clock offset: -8.499 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 35.331 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 33.517 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 38.356 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 31.461 ms
Loss rate: 2.28%

Run 3: Report of TCP Cubic — Data Link

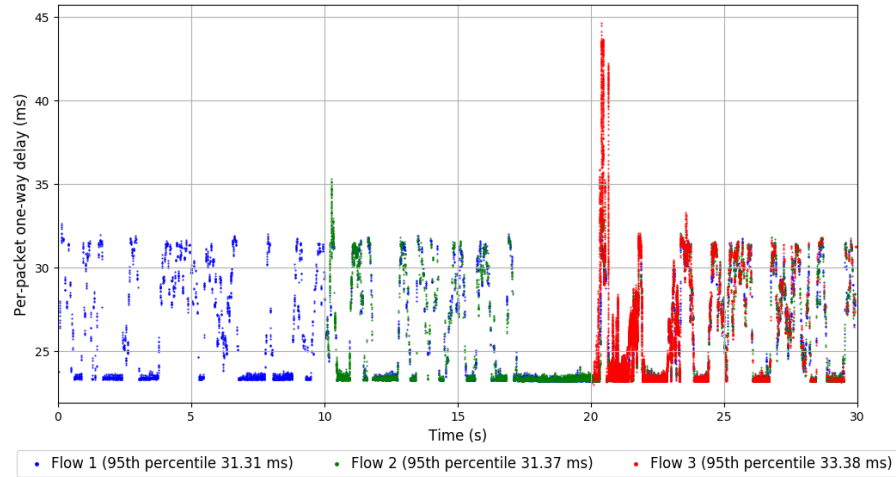
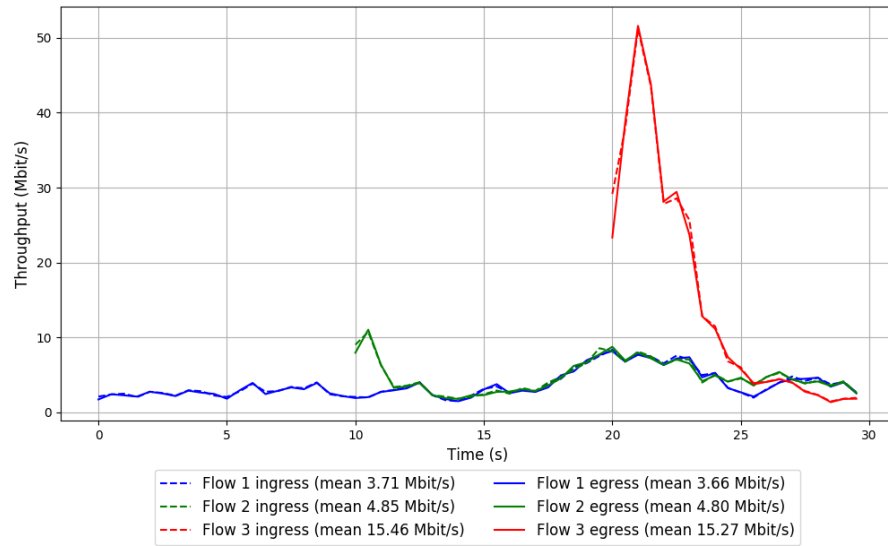


Run 4: Statistics of TCP Cubic

Start at: 2018-02-28 01:23:50
End at: 2018-02-28 01:24:20
Local clock offset: -2.566 ms
Remote clock offset: -8.428 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 31.490 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 31.306 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 4.80 Mbit/s
95th percentile per-packet one-way delay: 31.374 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 15.27 Mbit/s
95th percentile per-packet one-way delay: 33.382 ms
Loss rate: 1.76%

Run 4: Report of TCP Cubic — Data Link

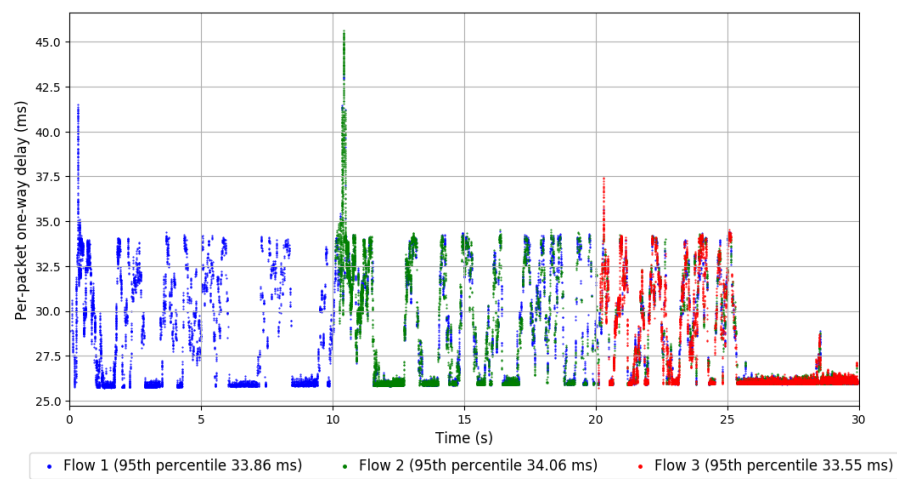
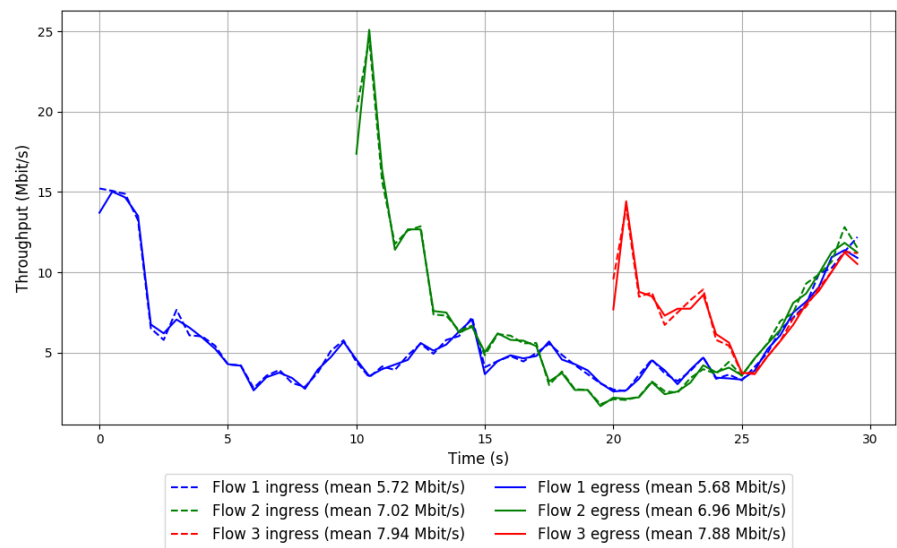


Run 5: Statistics of TCP Cubic

Start at: 2018-02-28 01:51:14
End at: 2018-02-28 01:51:44
Local clock offset: 1.717 ms
Remote clock offset: -7.437 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 33.924 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 33.862 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 34.058 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 33.547 ms
Loss rate: 1.34%

Run 5: Report of TCP Cubic — Data Link

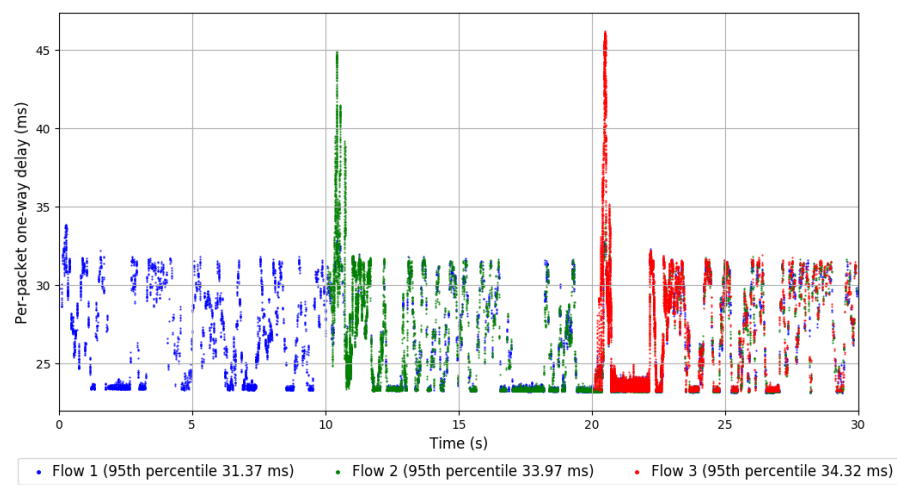
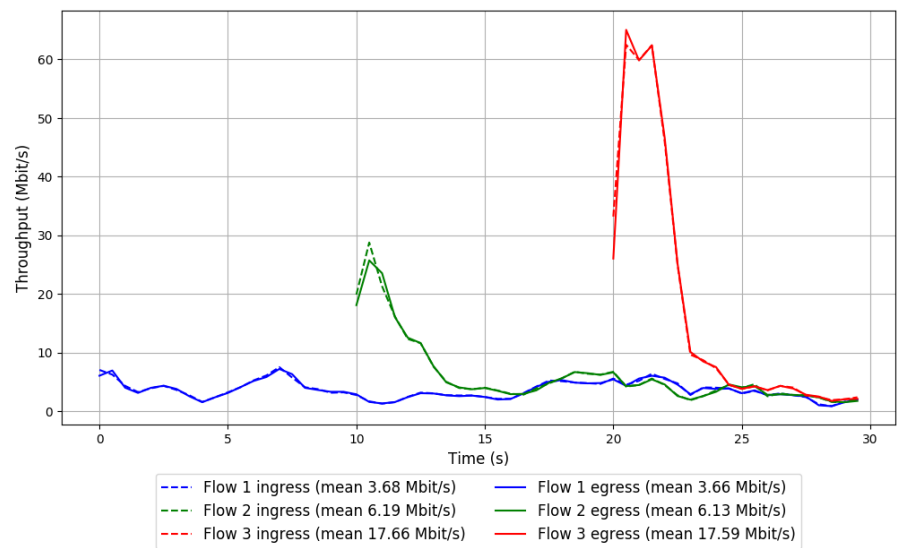


Run 6: Statistics of TCP Cubic

Start at: 2018-02-28 02:18:55
End at: 2018-02-28 02:19:25
Local clock offset: 0.466 ms
Remote clock offset: -3.279 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 32.203 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 31.369 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 33.965 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 17.59 Mbit/s
95th percentile per-packet one-way delay: 34.322 ms
Loss rate: 1.09%

Run 6: Report of TCP Cubic — Data Link

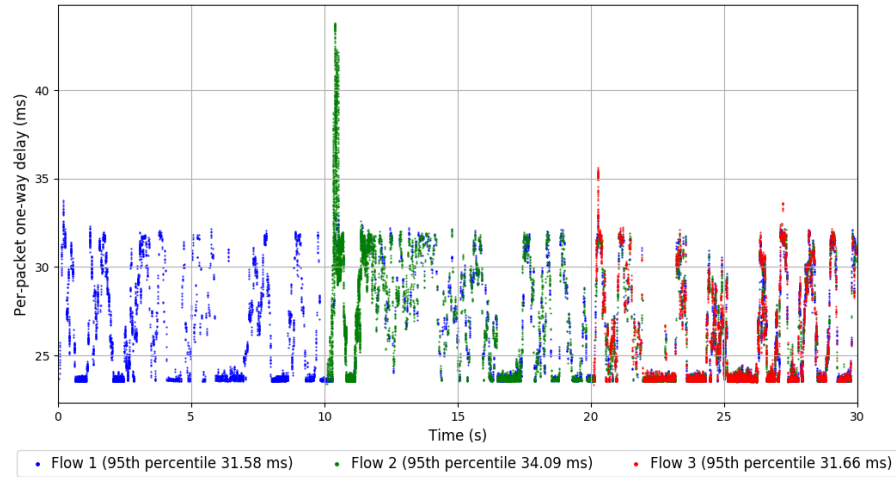
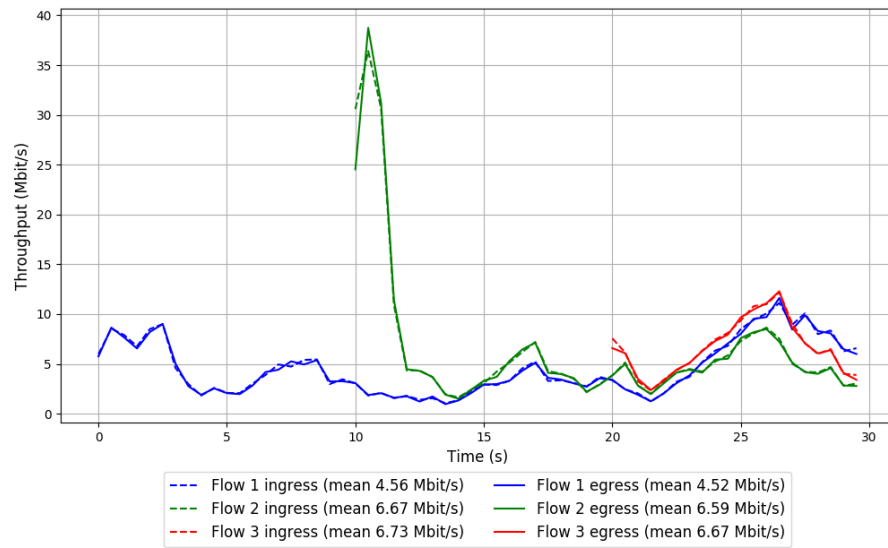


Run 7: Statistics of TCP Cubic

Start at: 2018-02-28 02:47:32
End at: 2018-02-28 02:48:02
Local clock offset: -0.479 ms
Remote clock offset: -8.312 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 31.759 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 31.584 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 34.087 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 31.660 ms
Loss rate: 1.38%

Run 7: Report of TCP Cubic — Data Link

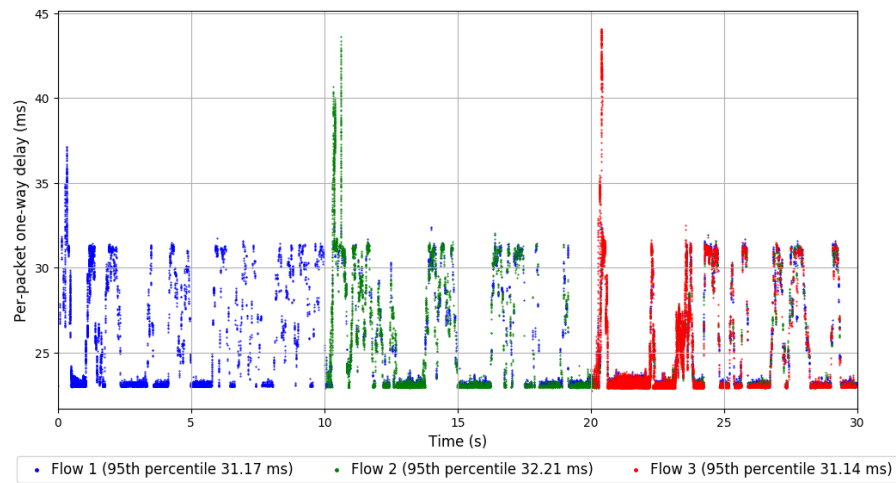
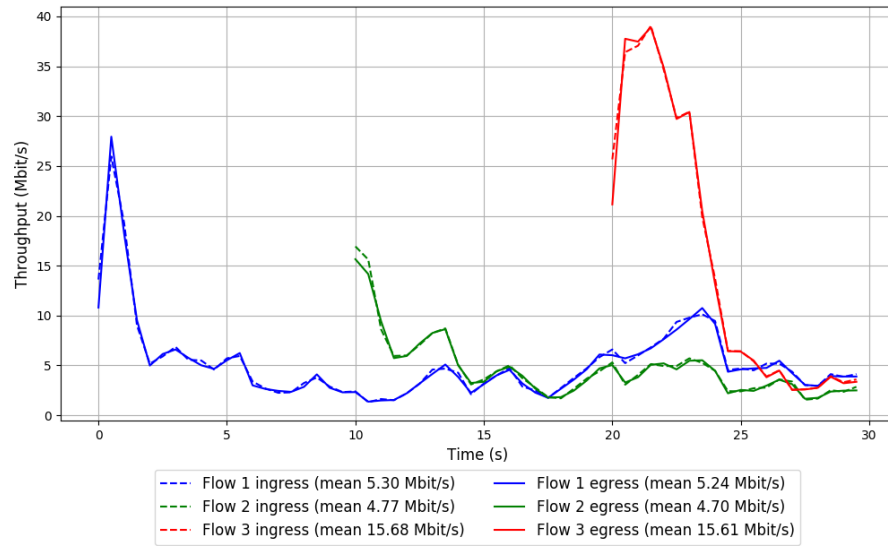


Run 8: Statistics of TCP Cubic

Start at: 2018-02-28 03:15:42
End at: 2018-02-28 03:16:12
Local clock offset: -0.811 ms
Remote clock offset: -8.084 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 31.223 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 31.166 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 32.214 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 31.144 ms
Loss rate: 1.03%

Run 8: Report of TCP Cubic — Data Link

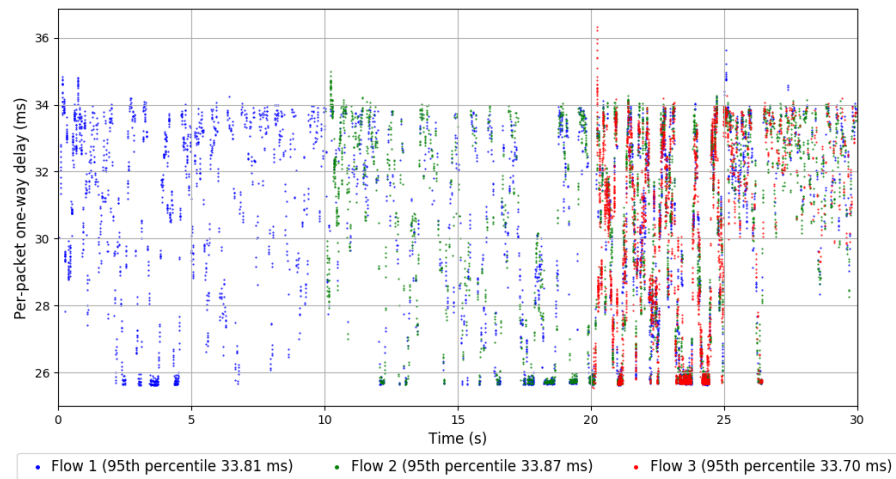
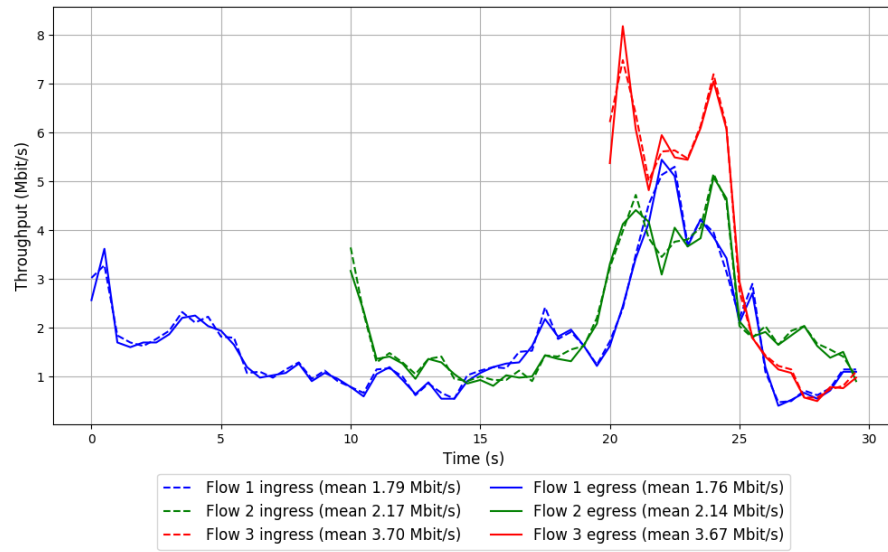


Run 9: Statistics of TCP Cubic

Start at: 2018-02-28 03:44:59
End at: 2018-02-28 03:45:29
Local clock offset: 0.631 ms
Remote clock offset: -4.484 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 33.808 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 33.807 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 33.869 ms
Loss rate: 1.91%
-- Flow 3:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 33.703 ms
Loss rate: 1.21%

Run 9: Report of TCP Cubic — Data Link

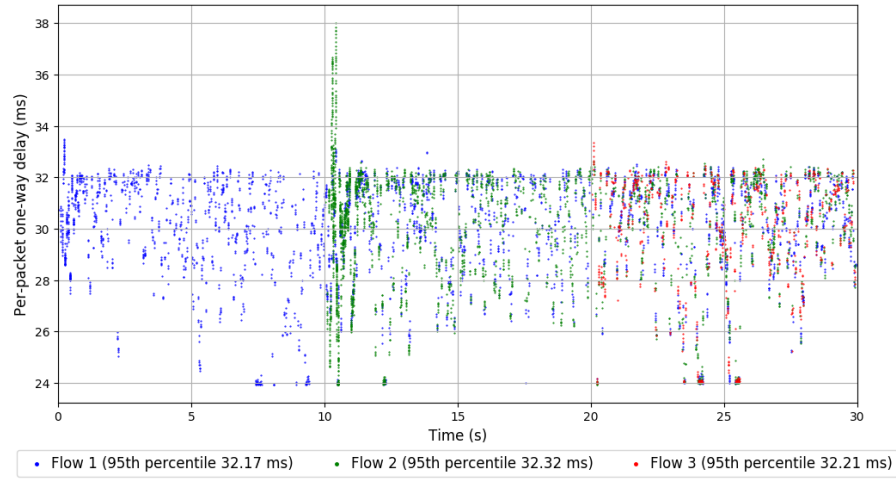
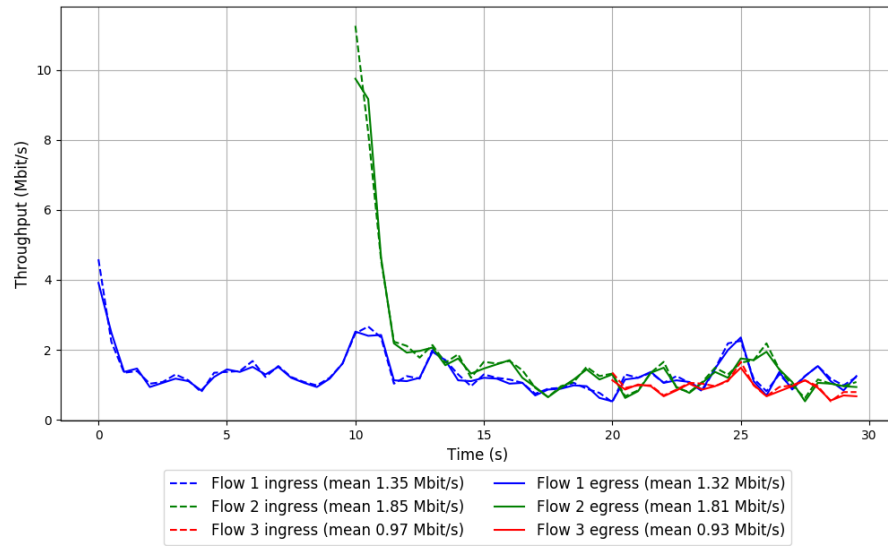


Run 10: Statistics of TCP Cubic

Start at: 2018-02-28 04:15:03
End at: 2018-02-28 04:15:33
Local clock offset: -3.574 ms
Remote clock offset: -5.516 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.83 Mbit/s
95th percentile per-packet one-way delay: 32.229 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 32.171 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 32.317 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 32.210 ms
Loss rate: 5.20%

Run 10: Report of TCP Cubic — Data Link

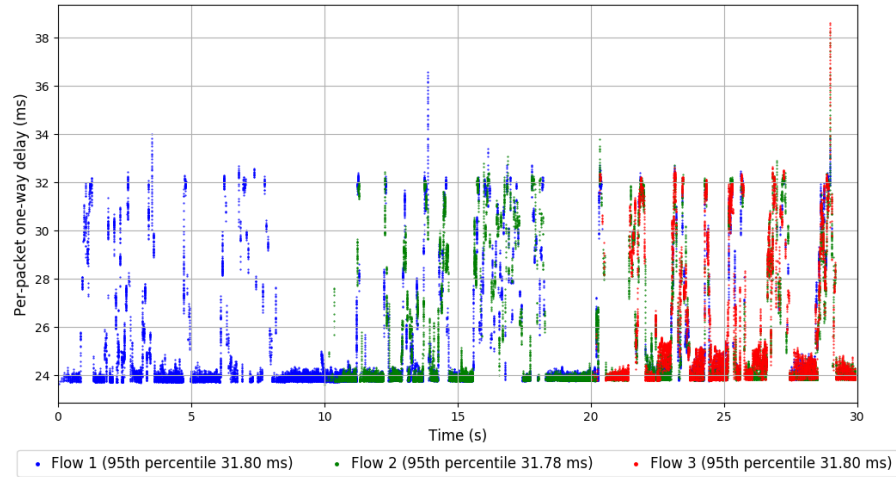
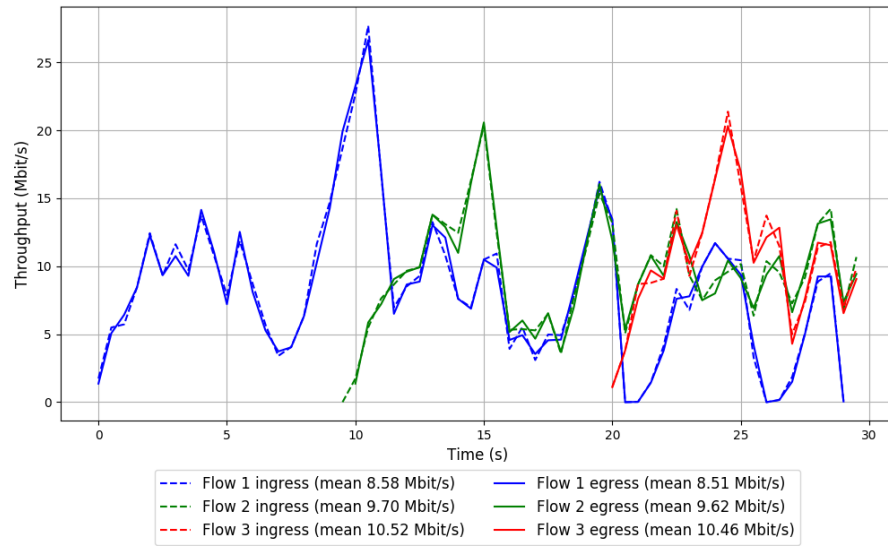


Run 1: Statistics of LEDBAT

Start at: 2018-02-28 00:17:25
End at: 2018-02-28 00:17:56
Local clock offset: -5.104 ms
Remote clock offset: -3.172 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.12 Mbit/s
95th percentile per-packet one-way delay: 31.791 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 31.800 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 9.62 Mbit/s
95th percentile per-packet one-way delay: 31.776 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 31.796 ms
Loss rate: 1.12%

Run 1: Report of LEDBAT — Data Link

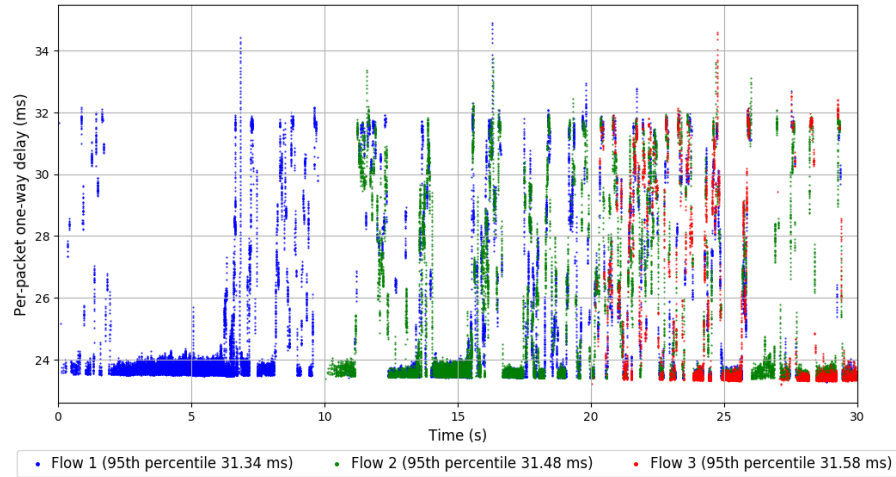
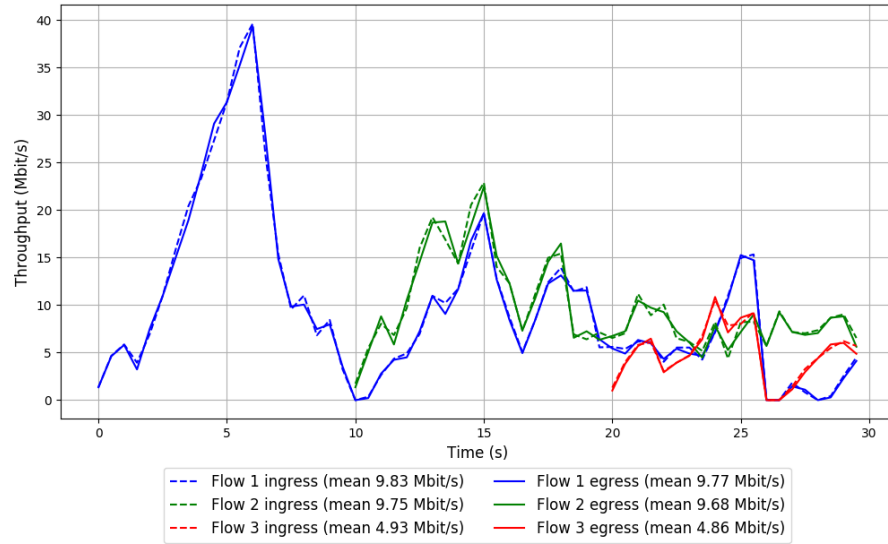


Run 2: Statistics of LEDBAT

Start at: 2018-02-28 00:44:51
End at: 2018-02-28 00:45:21
Local clock offset: -7.394 ms
Remote clock offset: -7.309 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 31.442 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 9.77 Mbit/s
95th percentile per-packet one-way delay: 31.338 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 31.476 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 1.99%

Run 2: Report of LEDBAT — Data Link

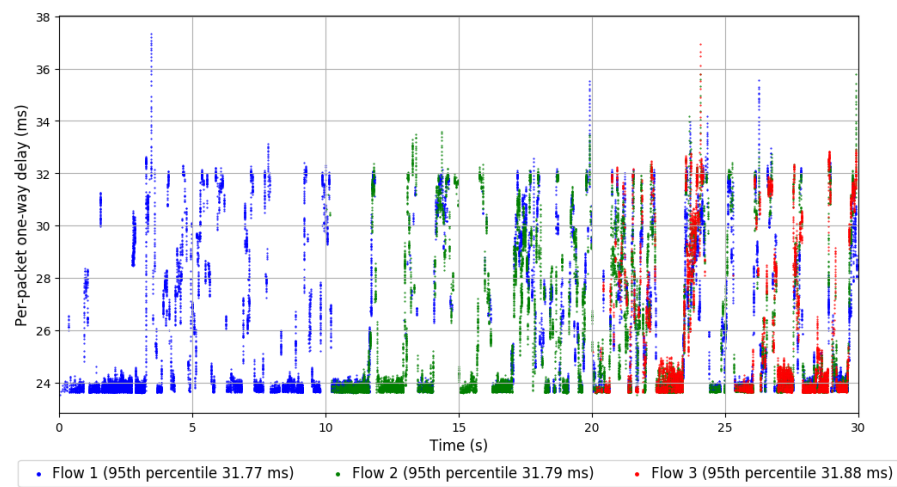
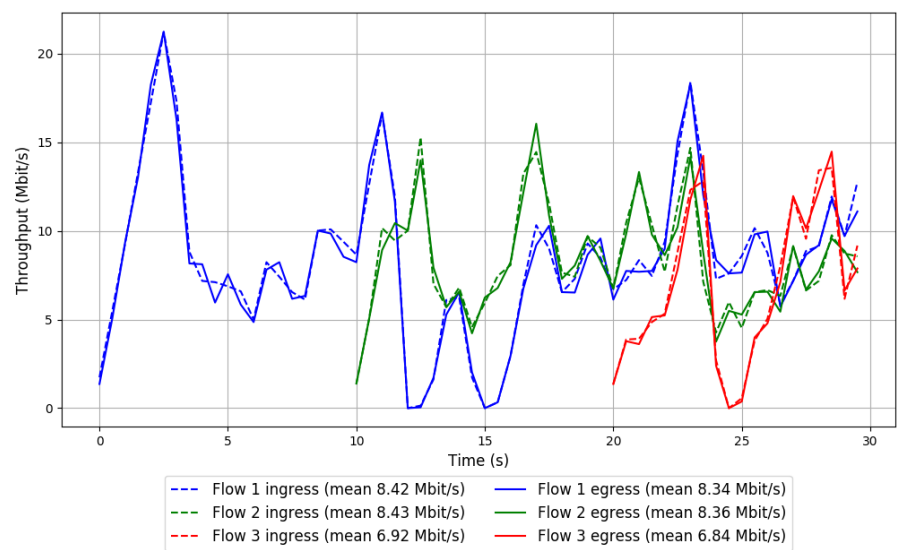


Run 3: Statistics of LEDBAT

Start at: 2018-02-28 01:12:27
End at: 2018-02-28 01:12:57
Local clock offset: -7.324 ms
Remote clock offset: -9.025 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 31.792 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 31.769 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 31.794 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 31.884 ms
Loss rate: 1.62%

Run 3: Report of LEDBAT — Data Link

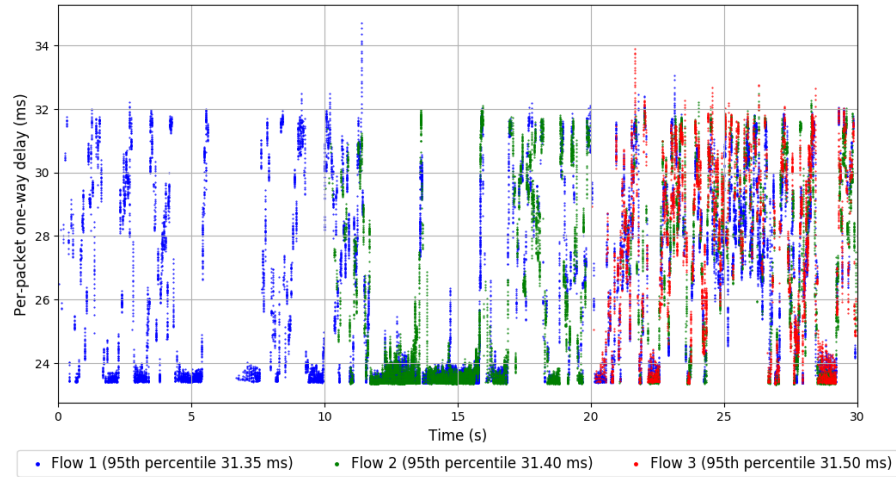
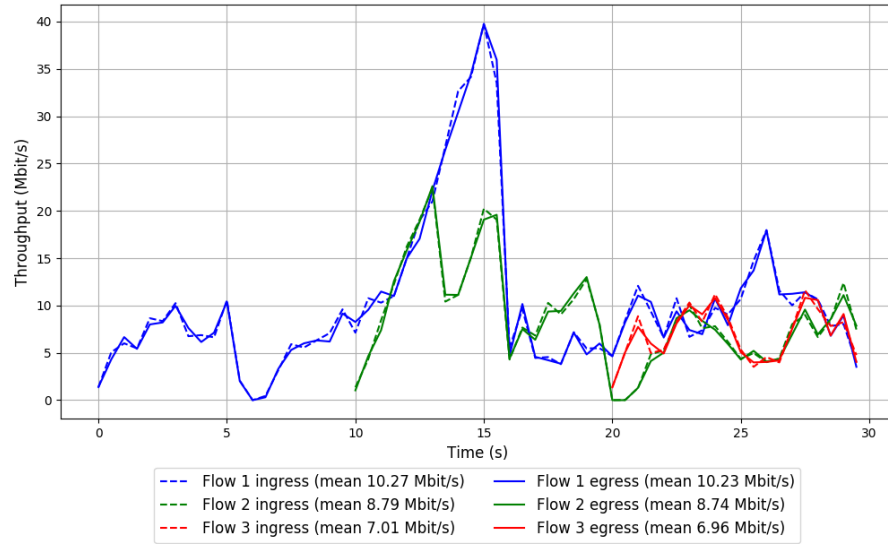


Run 4: Statistics of LEDBAT

Start at: 2018-02-28 01:40:20
End at: 2018-02-28 01:40:50
Local clock offset: 1.13 ms
Remote clock offset: -7.812 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 31.396 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 31.352 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 8.74 Mbit/s
95th percentile per-packet one-way delay: 31.401 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 31.503 ms
Loss rate: 1.23%

Run 4: Report of LEDBAT — Data Link

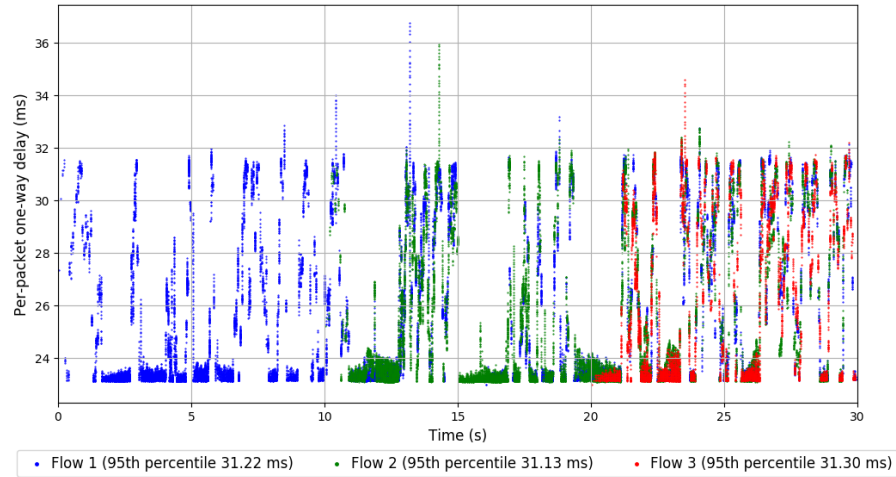
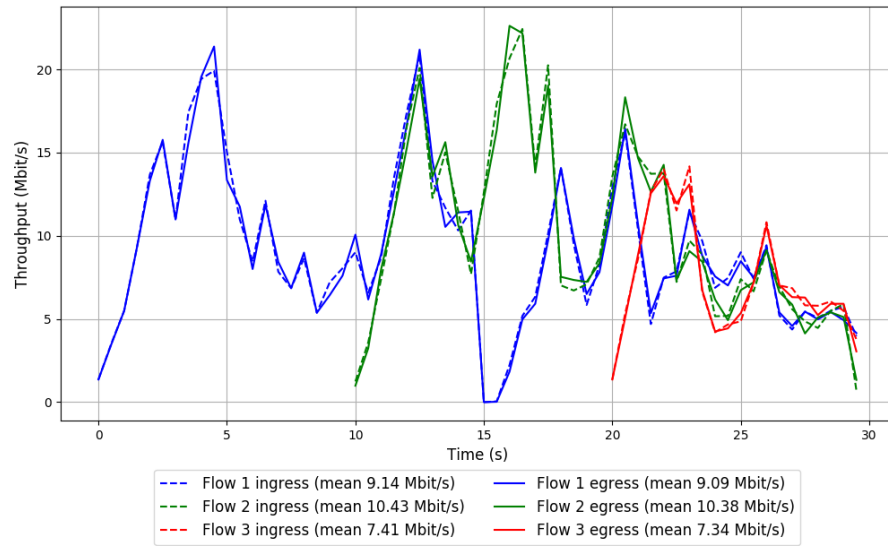


Run 5: Statistics of LEDBAT

Start at: 2018-02-28 02:07:13
End at: 2018-02-28 02:07:43
Local clock offset: 0.181 ms
Remote clock offset: -2.834 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 31.204 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 31.219 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 10.38 Mbit/s
95th percentile per-packet one-way delay: 31.130 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 31.304 ms
Loss rate: 1.41%

Run 5: Report of LEDBAT — Data Link

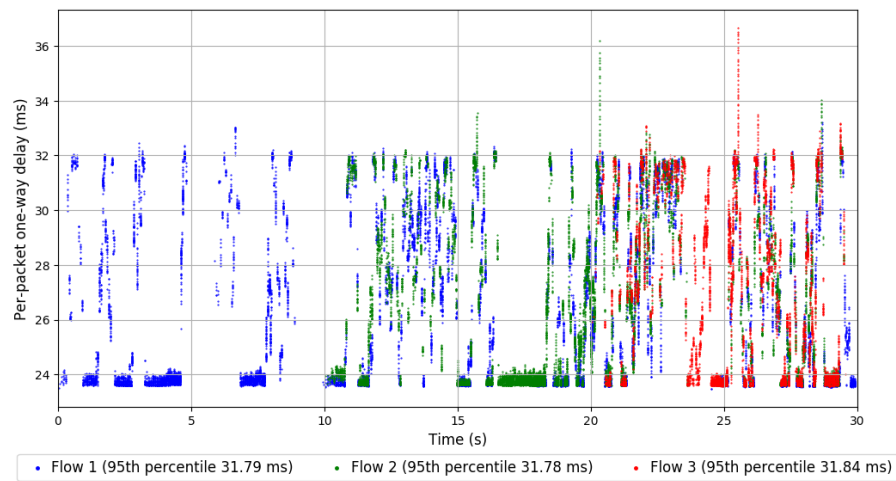
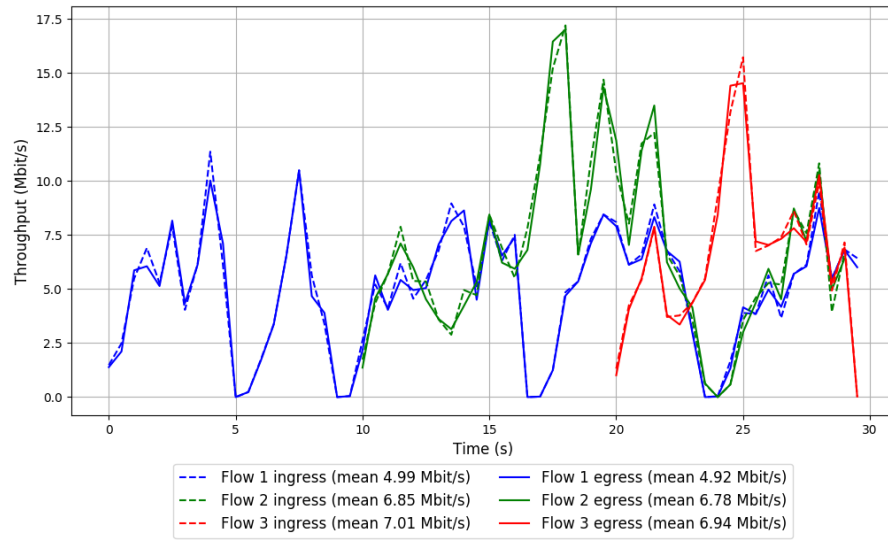


Run 6: Statistics of LEDBAT

Start at: 2018-02-28 02:35:40
End at: 2018-02-28 02:36:10
Local clock offset: -0.364 ms
Remote clock offset: -7.594 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 31.795 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 31.788 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 31.784 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 31.838 ms
Loss rate: 1.07%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-02-28 03:03:47

End at: 2018-02-28 03:04:17

Local clock offset: -0.658 ms

Remote clock offset: -8.28 ms

Below is generated by plot.py at 2018-02-28 09:44:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 31.709 ms

Loss rate: 1.86%

-- Flow 1:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 31.728 ms

Loss rate: 2.01%

-- Flow 2:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 31.719 ms

Loss rate: 1.58%

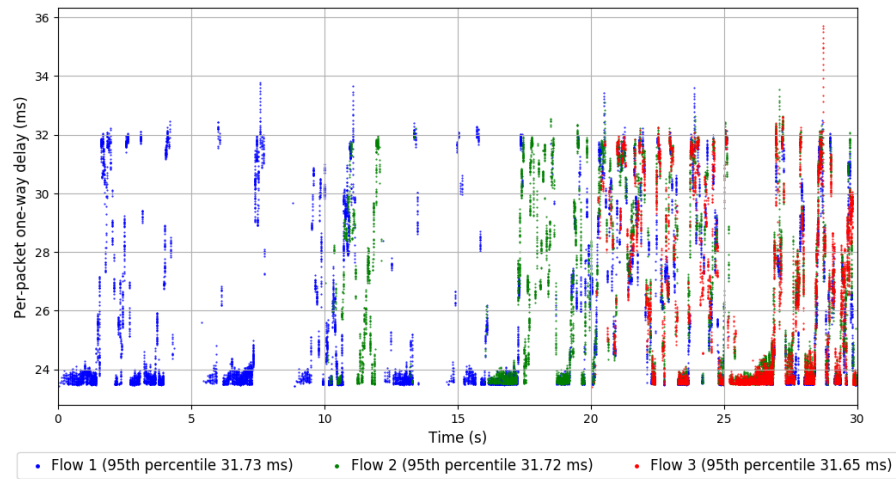
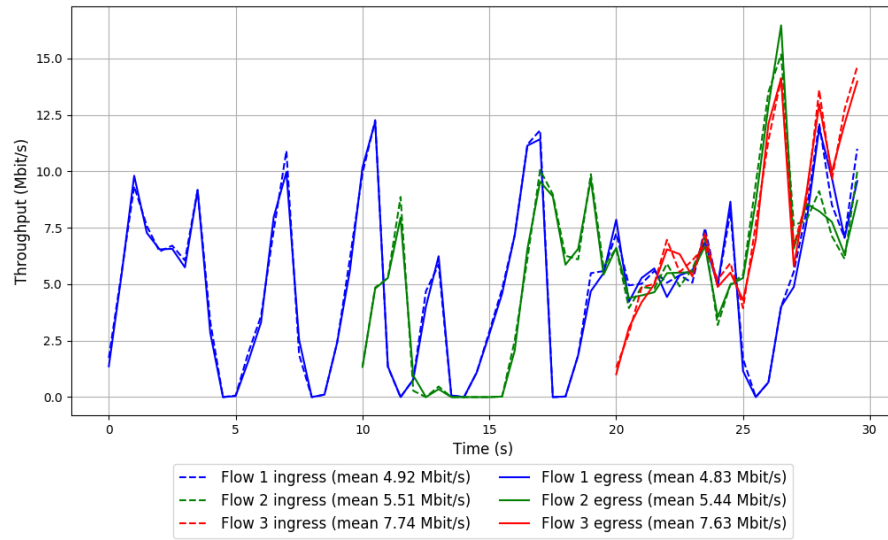
-- Flow 3:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 31.652 ms

Loss rate: 1.97%

Run 7: Report of LEDBAT — Data Link

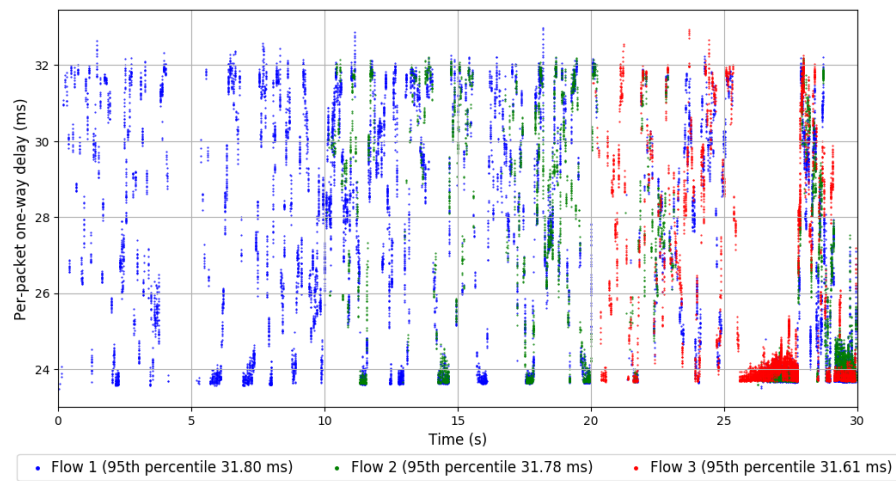
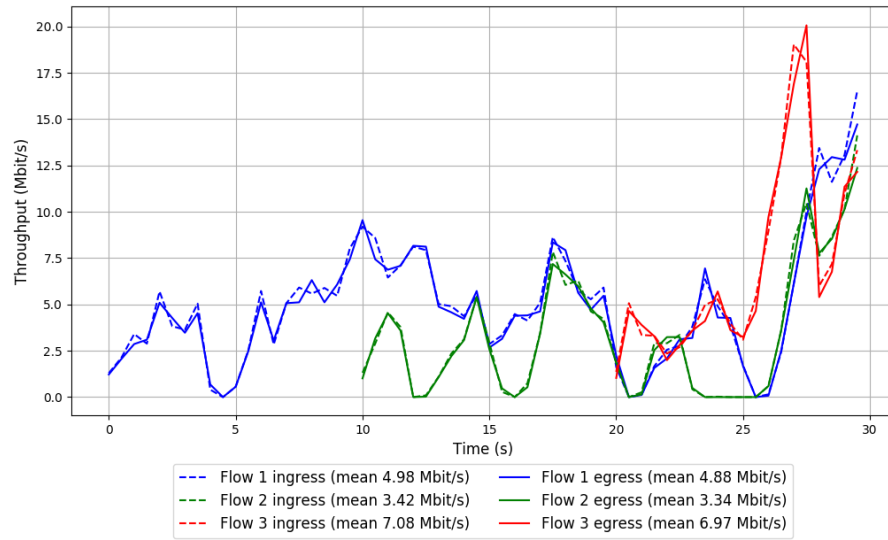


Run 8: Statistics of LEDBAT

Start at: 2018-02-28 03:32:35
End at: 2018-02-28 03:33:05
Local clock offset: -0.519 ms
Remote clock offset: -4.991 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 31.774 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 31.802 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 31.779 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 31.611 ms
Loss rate: 2.21%

Run 8: Report of LEDBAT — Data Link

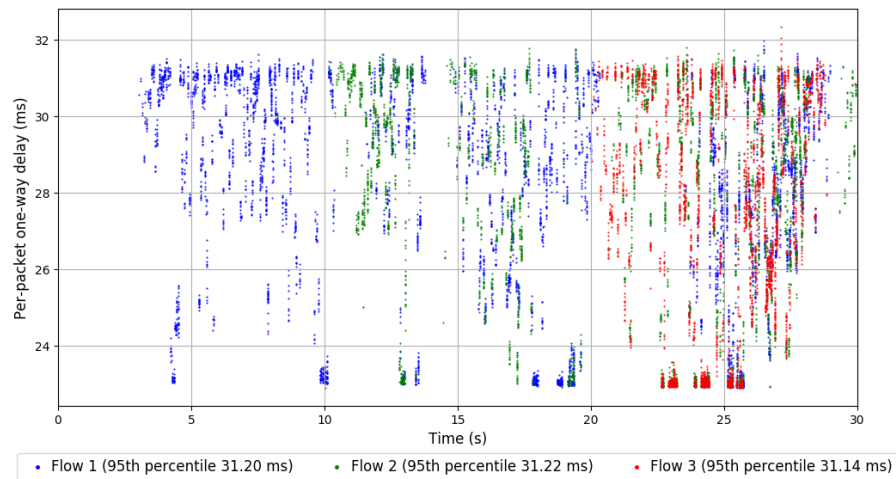
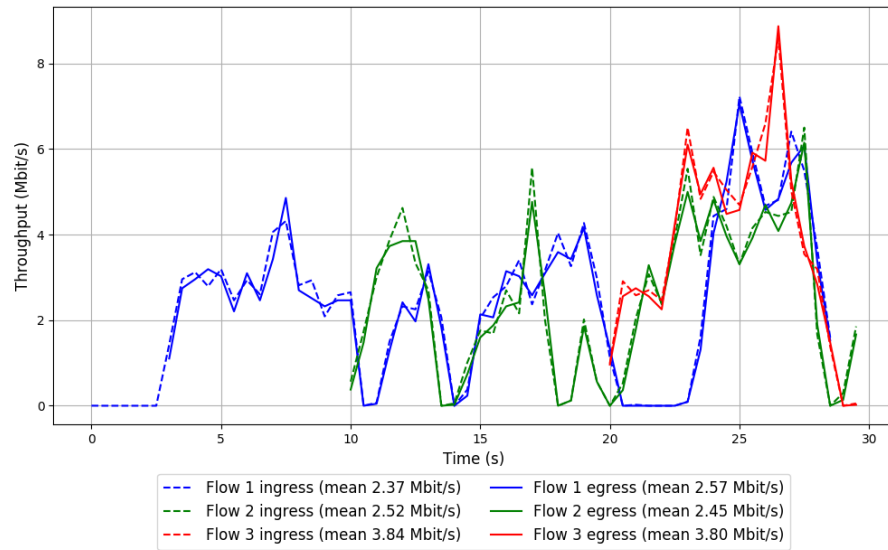


Run 9: Statistics of LEDBAT

Start at: 2018-02-28 04:01:55
End at: 2018-02-28 04:02:25
Local clock offset: 1.423 ms
Remote clock offset: -2.204 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 31.194 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 31.199 ms
Loss rate: 2.86%
-- Flow 2:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 31.220 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 31.142 ms
Loss rate: 1.89%

Run 9: Report of LEDBAT — Data Link

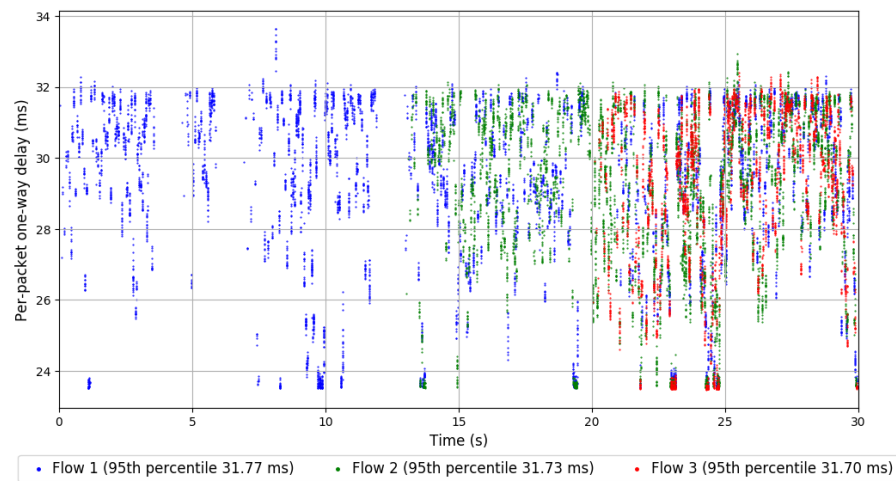
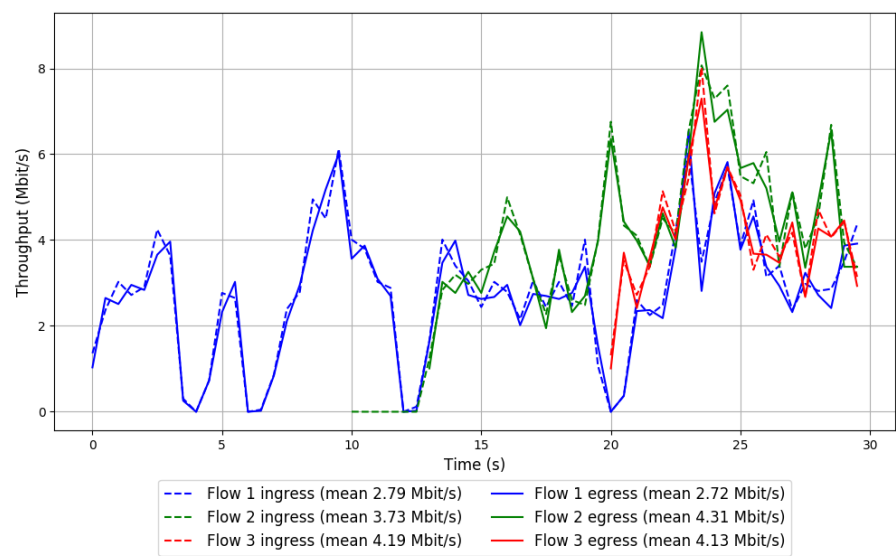


Run 10: Statistics of LEDBAT

Start at: 2018-02-28 04:32:25
End at: 2018-02-28 04:32:55
Local clock offset: -6.938 ms
Remote clock offset: -6.818 ms

Below is generated by plot.py at 2018-02-28 09:44:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.52 Mbit/s
95th percentile per-packet one-way delay: 31.744 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 31.766 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 31.734 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 31.699 ms
Loss rate: 1.97%

Run 10: Report of LEDBAT — Data Link

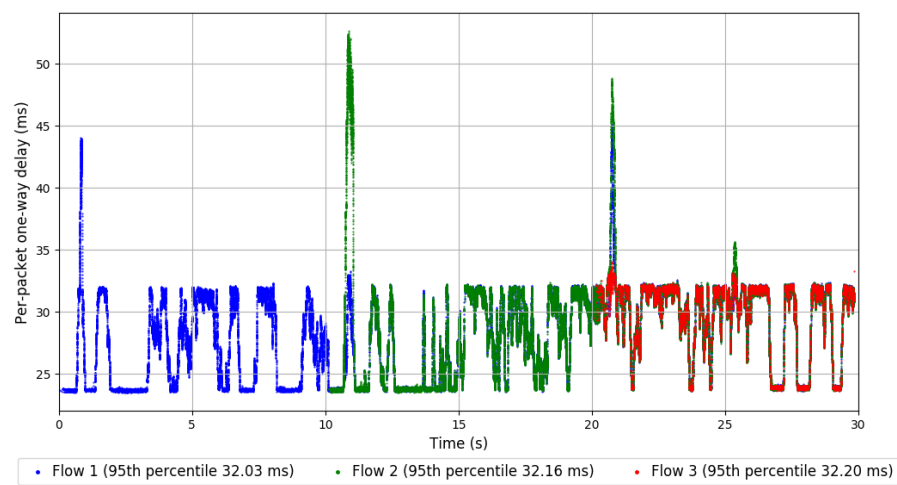
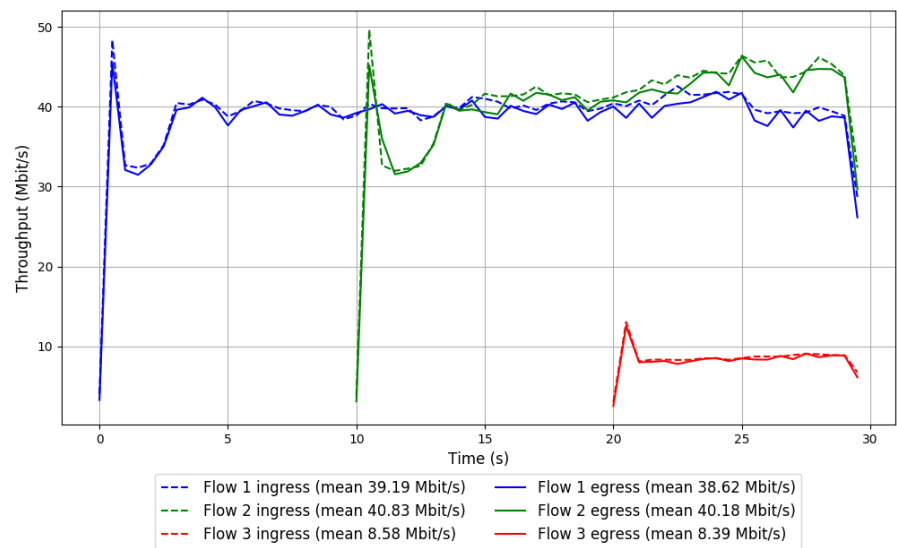


Run 1: Statistics of PCC

Start at: 2018-02-28 00:25:23
End at: 2018-02-28 00:25:53
Local clock offset: -6.411 ms
Remote clock offset: -2.852 ms

Below is generated by plot.py at 2018-02-28 09:44:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.07 Mbit/s
95th percentile per-packet one-way delay: 32.081 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 32.031 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 32.160 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 32.199 ms
Loss rate: 2.79%

Run 1: Report of PCC — Data Link

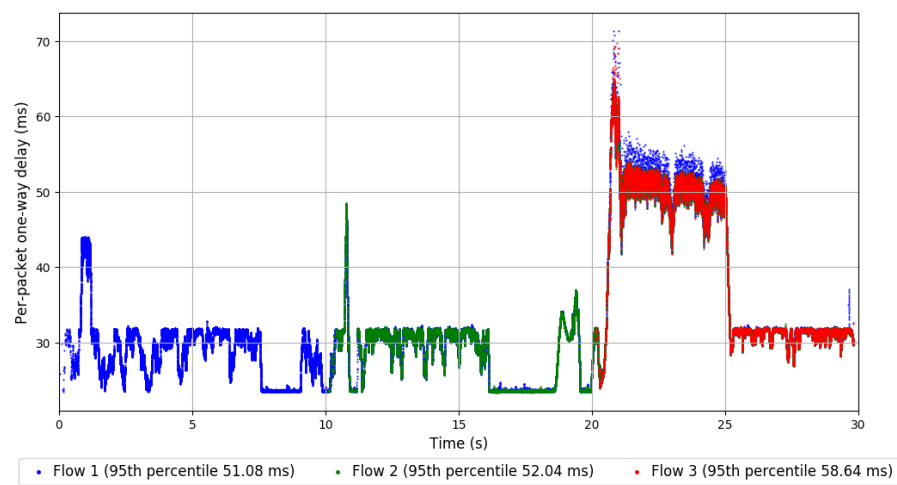
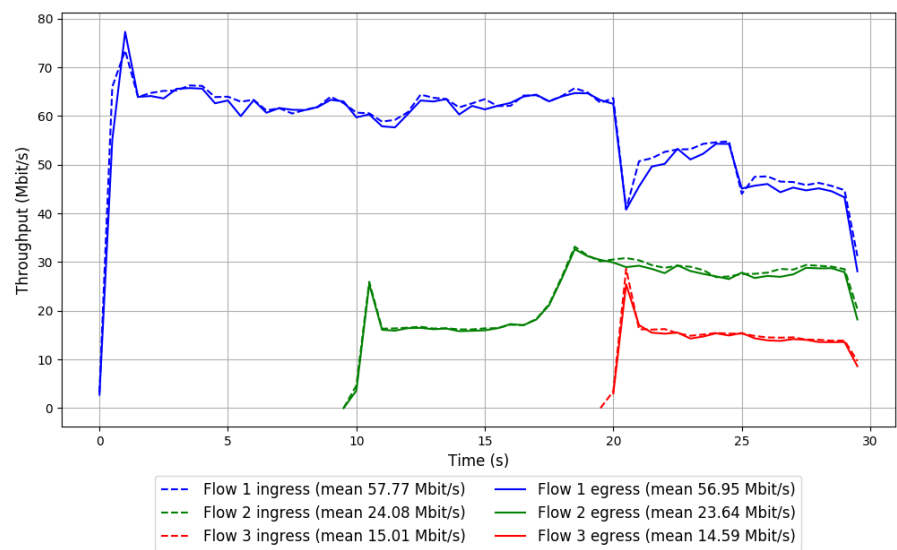


Run 2: Statistics of PCC

Start at: 2018-02-28 00:52:49
End at: 2018-02-28 00:53:19
Local clock offset: -6.9 ms
Remote clock offset: -8.681 ms

Below is generated by plot.py at 2018-02-28 09:44:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.47 Mbit/s
95th percentile per-packet one-way delay: 51.633 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 51.081 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 52.037 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 58.639 ms
Loss rate: 3.32%

Run 2: Report of PCC — Data Link

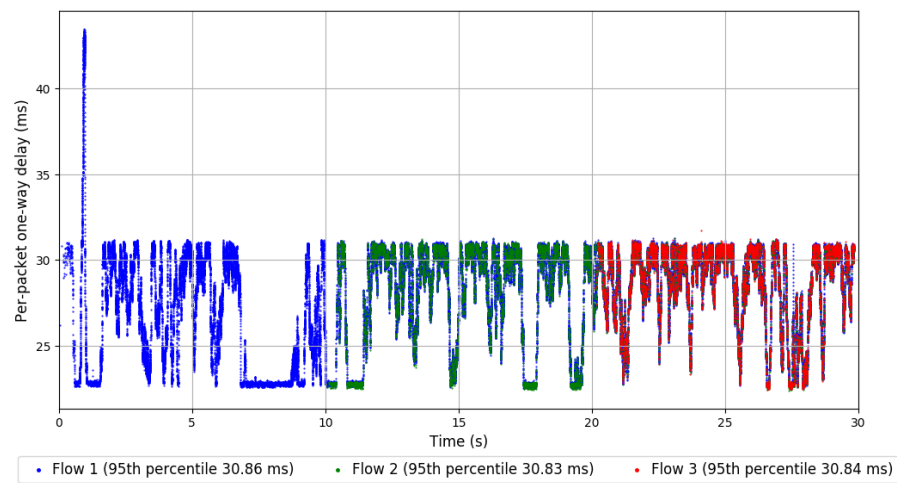
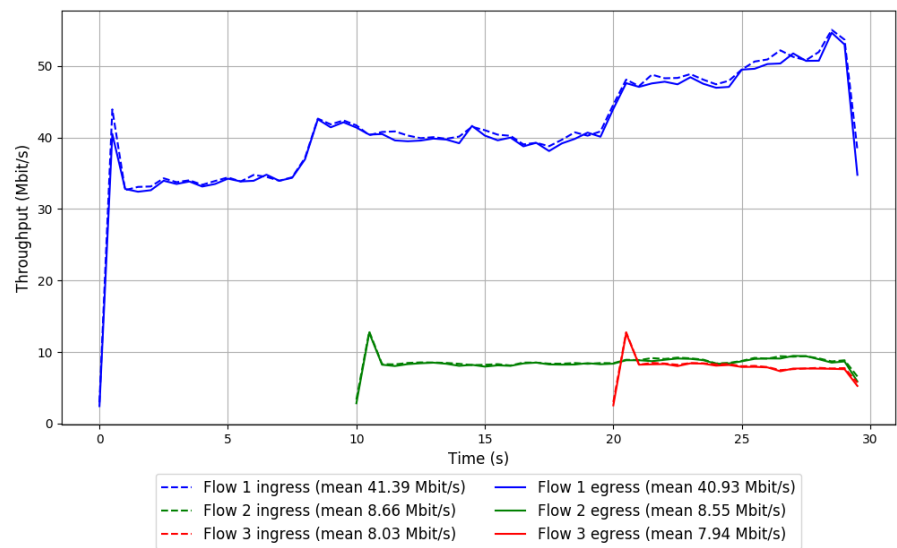


Run 3: Statistics of PCC

Start at: 2018-02-28 01:20:30
End at: 2018-02-28 01:21:00
Local clock offset: -4.03 ms
Remote clock offset: -8.207 ms

Below is generated by plot.py at 2018-02-28 09:44:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 30.854 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 30.859 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 30.831 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 30.844 ms
Loss rate: 1.65%

Run 3: Report of PCC — Data Link

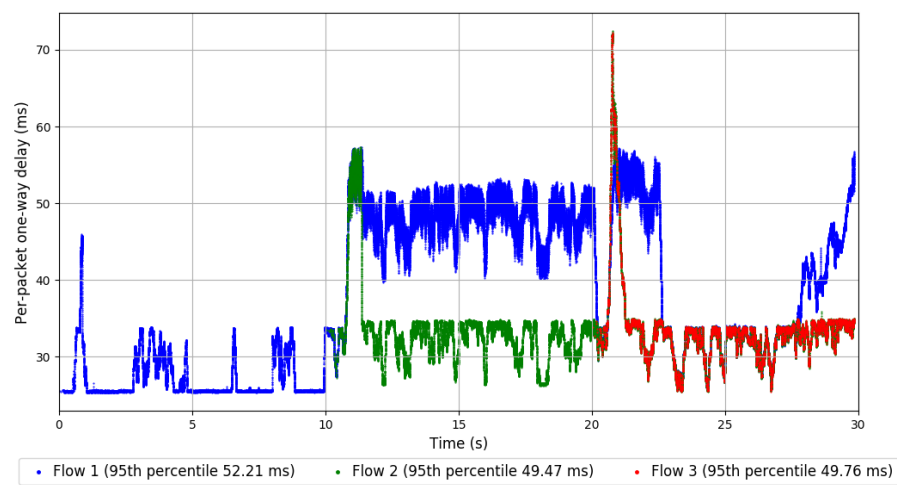
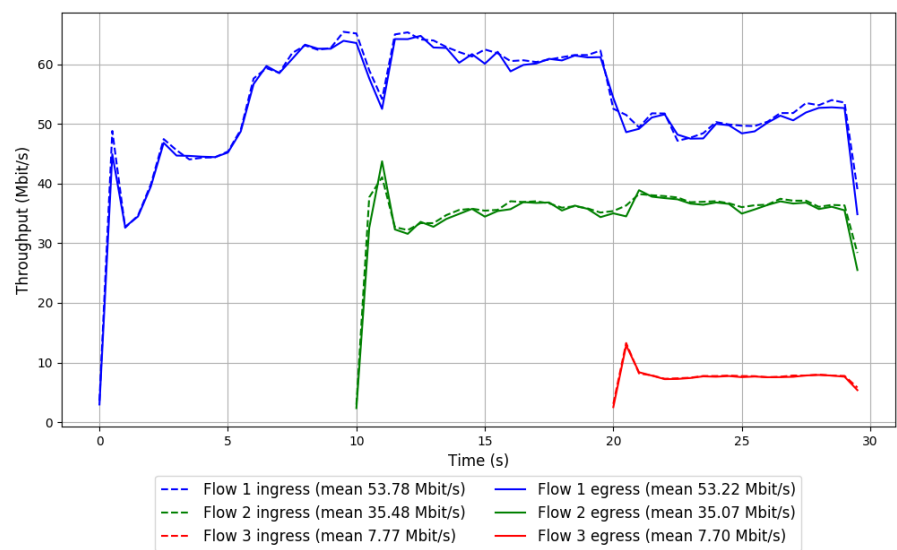


Run 4: Statistics of PCC

Start at: 2018-02-28 01:48:04
End at: 2018-02-28 01:48:34
Local clock offset: 2.129 ms
Remote clock offset: -8.148 ms

Below is generated by plot.py at 2018-02-28 09:44:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.04 Mbit/s
95th percentile per-packet one-way delay: 52.029 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 53.22 Mbit/s
95th percentile per-packet one-way delay: 52.213 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 49.465 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 49.762 ms
Loss rate: 1.55%

Run 4: Report of PCC — Data Link

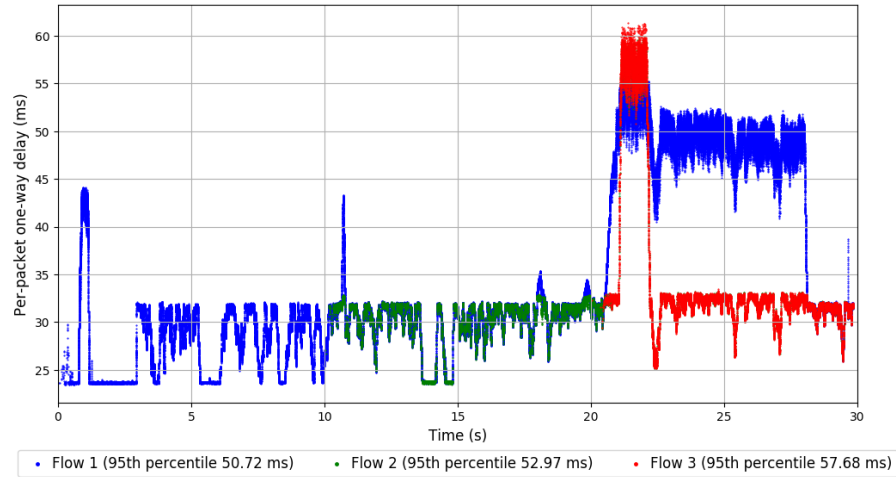
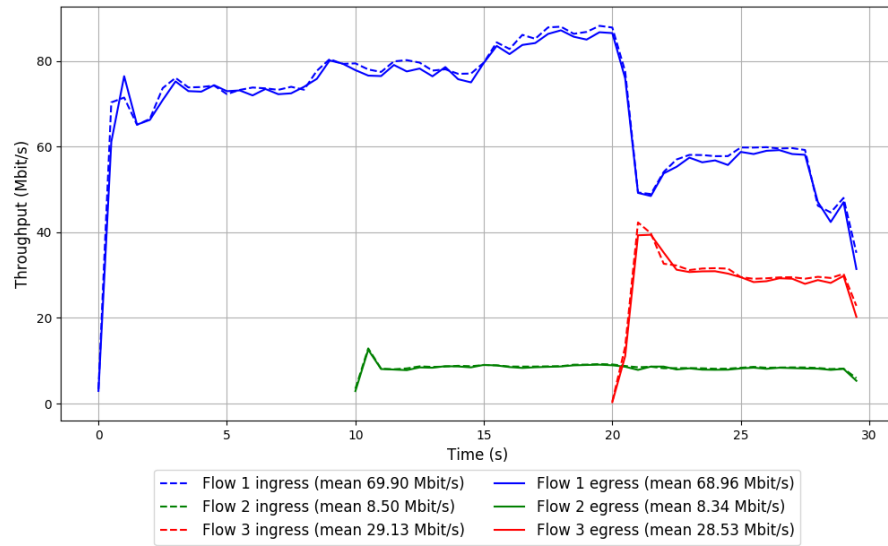


Run 5: Statistics of PCC

Start at: 2018-02-28 02:15:43
End at: 2018-02-28 02:16:13
Local clock offset: 0.331 ms
Remote clock offset: -2.643 ms

Below is generated by plot.py at 2018-02-28 09:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.87 Mbit/s
95th percentile per-packet one-way delay: 51.098 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 68.96 Mbit/s
95th percentile per-packet one-way delay: 50.719 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 52.972 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 28.53 Mbit/s
95th percentile per-packet one-way delay: 57.677 ms
Loss rate: 2.67%

Run 5: Report of PCC — Data Link

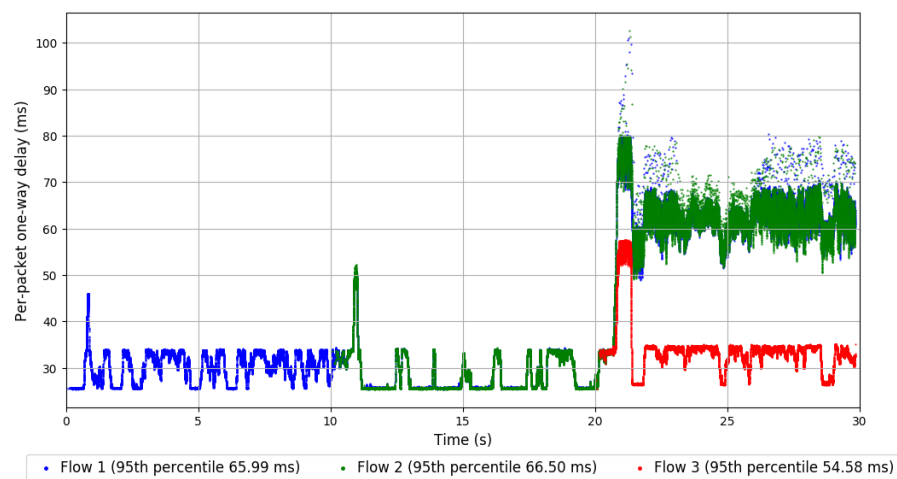
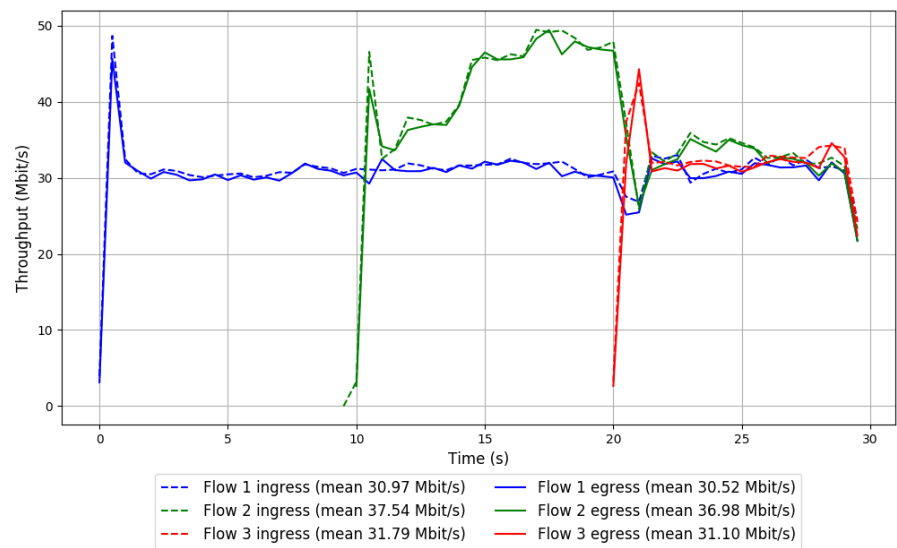


Run 6: Statistics of PCC

Start at: 2018-02-28 02:44:10
End at: 2018-02-28 02:44:40
Local clock offset: -0.447 ms
Remote clock offset: -10.242 ms

Below is generated by plot.py at 2018-02-28 09:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 65.790 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 65.987 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 66.498 ms
Loss rate: 1.83%
-- Flow 3:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 54.580 ms
Loss rate: 2.71%

Run 6: Report of PCC — Data Link

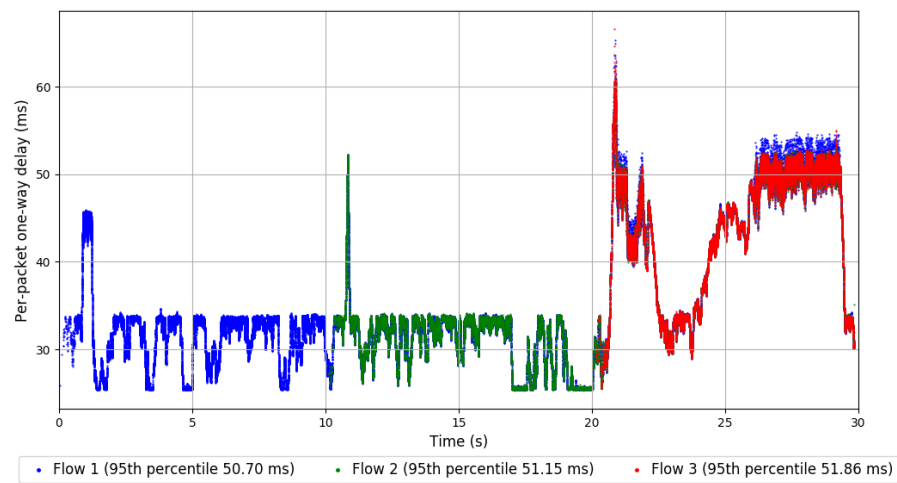
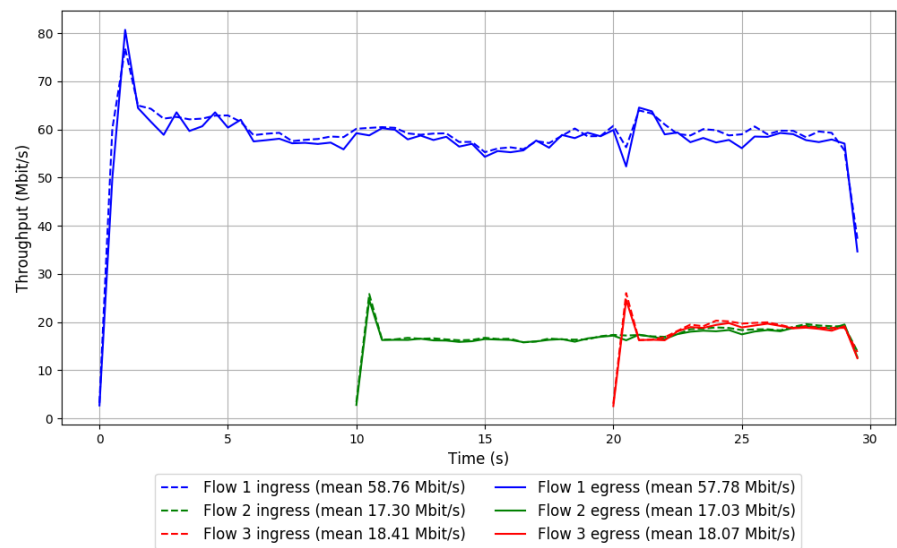


Run 7: Statistics of PCC

Start at: 2018-02-28 03:12:13
End at: 2018-02-28 03:12:43
Local clock offset: -0.817 ms
Remote clock offset: -10.583 ms

Below is generated by plot.py at 2018-02-28 09:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.03 Mbit/s
95th percentile per-packet one-way delay: 50.979 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 50.699 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 51.147 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 18.07 Mbit/s
95th percentile per-packet one-way delay: 51.864 ms
Loss rate: 2.39%

Run 7: Report of PCC — Data Link

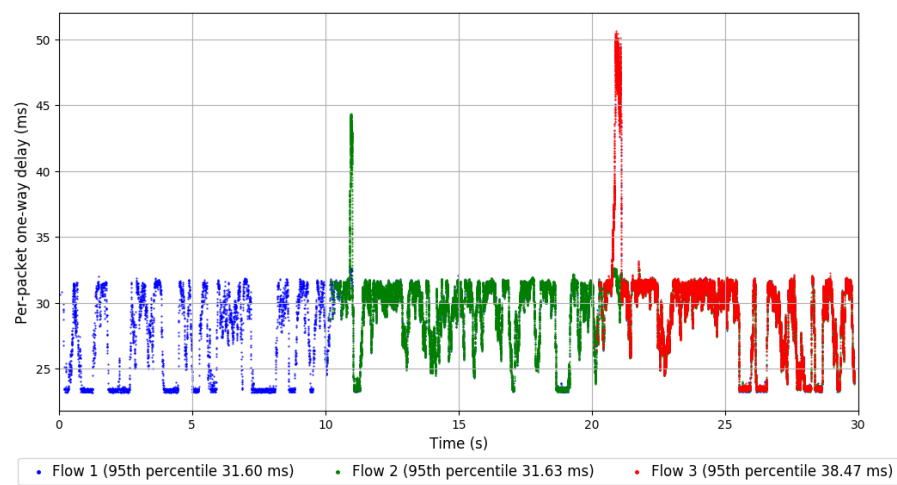
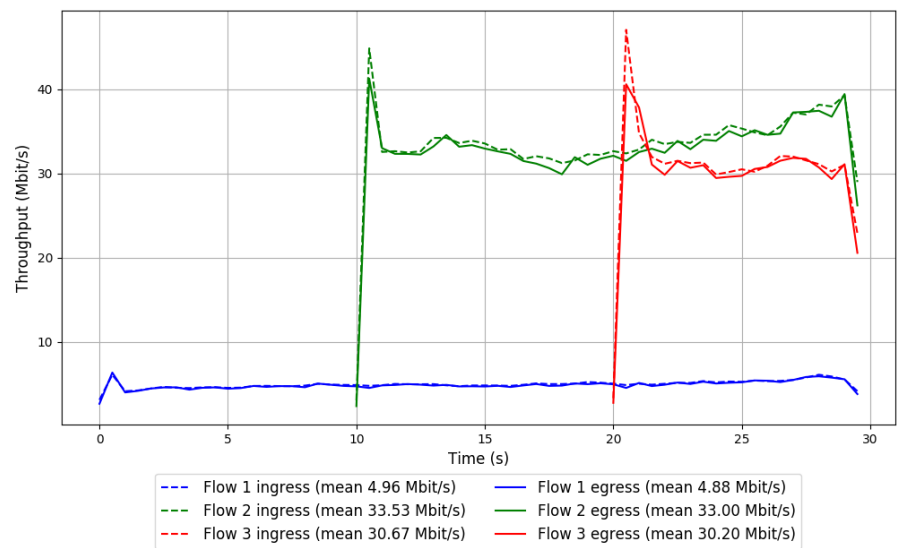


Run 8: Statistics of PCC

Start at: 2018-02-28 03:41:22
End at: 2018-02-28 03:41:52
Local clock offset: 0.313 ms
Remote clock offset: -2.805 ms

Below is generated by plot.py at 2018-02-28 09:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 31.694 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 31.604 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 31.631 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 38.471 ms
Loss rate: 2.11%

Run 8: Report of PCC — Data Link

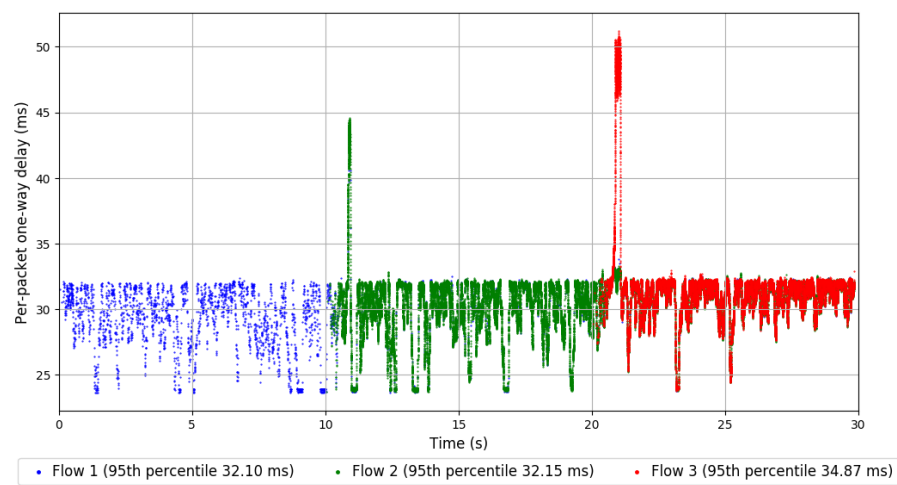
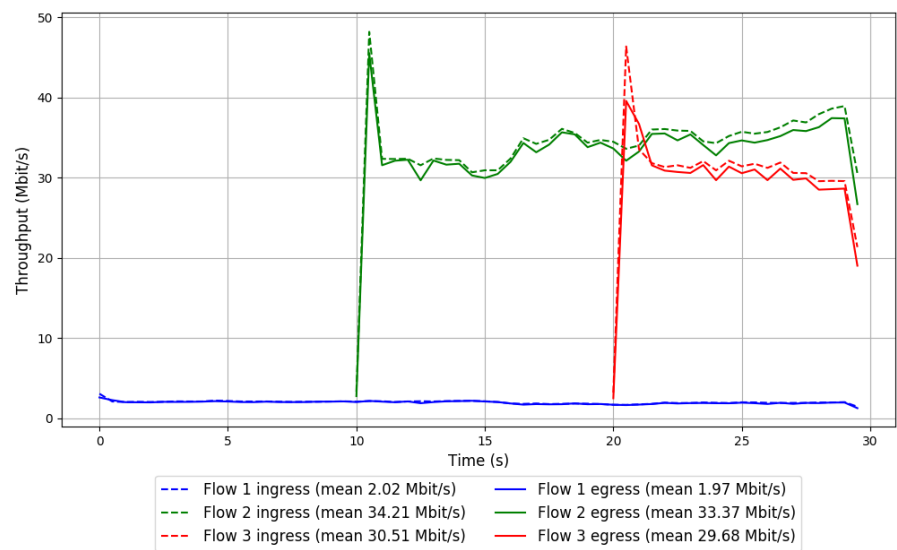


Run 9: Statistics of PCC

Start at: 2018-02-28 04:10:57
End at: 2018-02-28 04:11:27
Local clock offset: -1.764 ms
Remote clock offset: -4.762 ms

Below is generated by plot.py at 2018-02-28 09:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 32.215 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 32.097 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 34.872 ms
Loss rate: 3.27%

Run 9: Report of PCC — Data Link

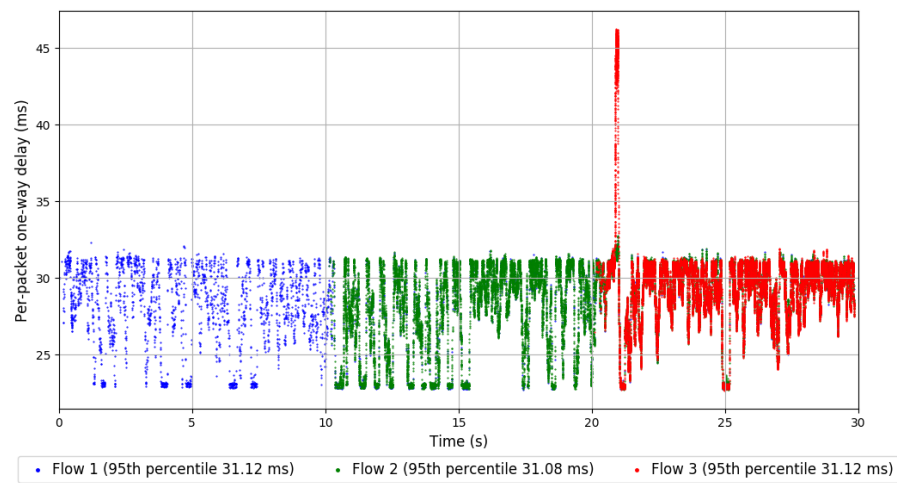
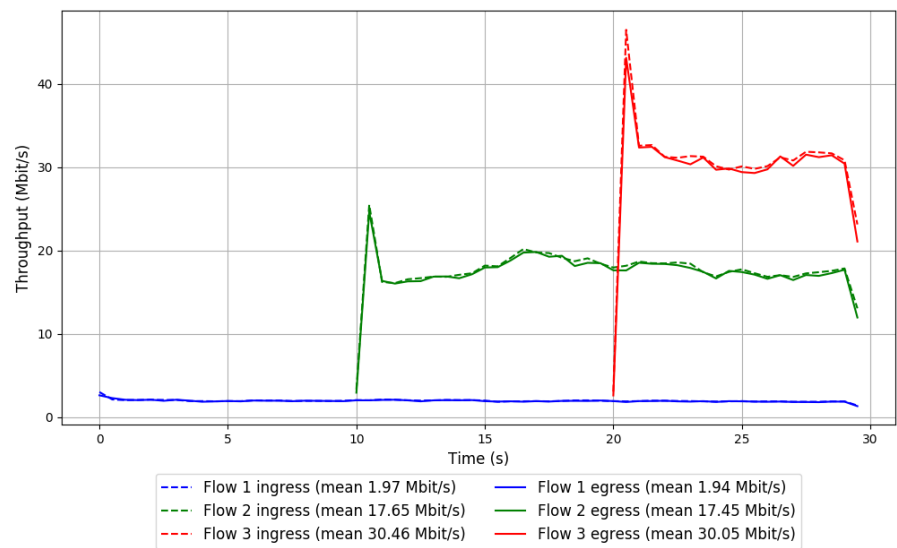


Run 10: Statistics of PCC

Start at: 2018-02-28 04:41:22
End at: 2018-02-28 04:41:52
Local clock offset: -6.681 ms
Remote clock offset: -5.815 ms

Below is generated by plot.py at 2018-02-28 09:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 31.097 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 31.117 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 17.45 Mbit/s
95th percentile per-packet one-way delay: 31.083 ms
Loss rate: 1.41%
-- Flow 3:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 31.123 ms
Loss rate: 1.95%

Run 10: Report of PCC — Data Link

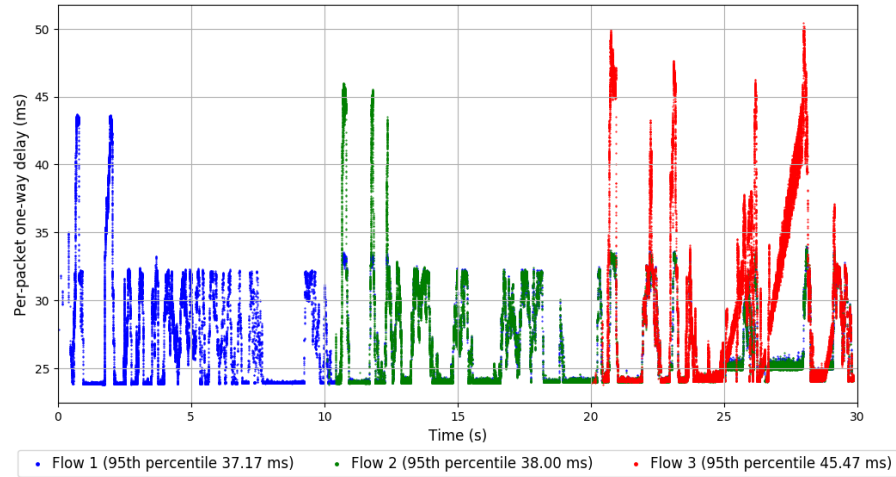
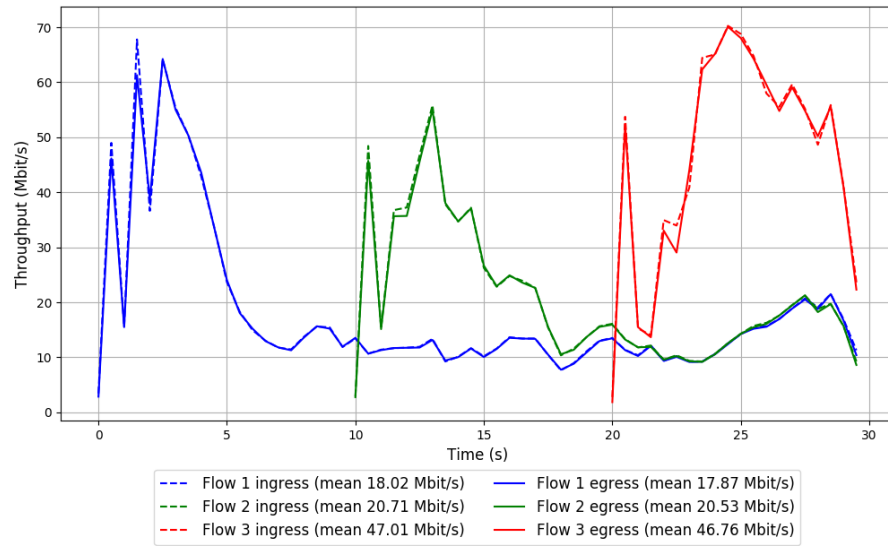


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-28 00:08:45
End at: 2018-02-28 00:09:15
Local clock offset: -2.415 ms
Remote clock offset: -3.815 ms

# Below is generated by plot.py at 2018-02-28 09:45:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 42.241 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 37.169 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 38.001 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 46.76 Mbit/s
95th percentile per-packet one-way delay: 45.474 ms
Loss rate: 1.06%
```

Run 1: Report of QUIC Cubic — Data Link

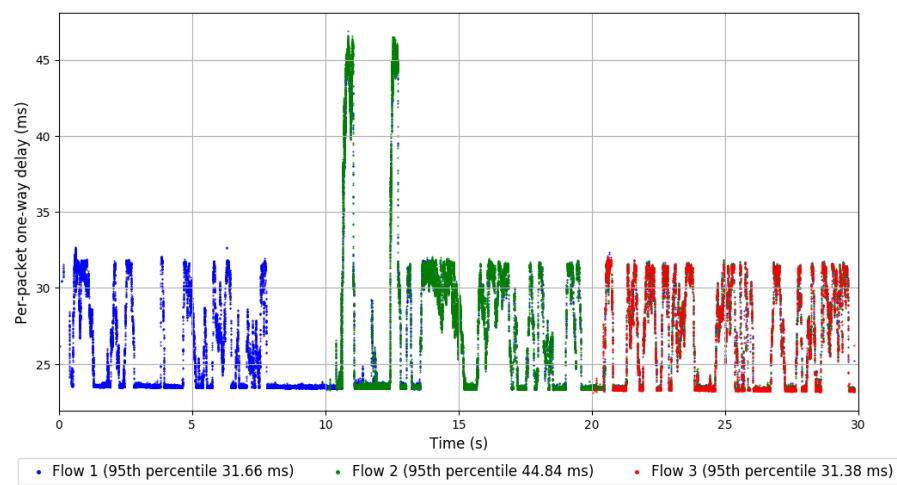
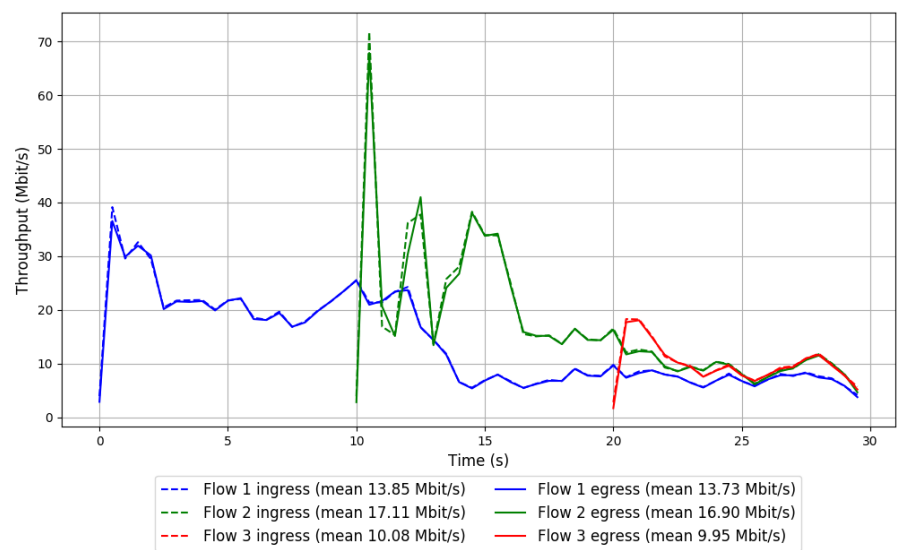


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-28 00:35:58
End at: 2018-02-28 00:36:28
Local clock offset: -7.51 ms
Remote clock offset: -3.188 ms

Below is generated by plot.py at 2018-02-28 09:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 42.244 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 13.73 Mbit/s
95th percentile per-packet one-way delay: 31.656 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 16.90 Mbit/s
95th percentile per-packet one-way delay: 44.837 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 9.95 Mbit/s
95th percentile per-packet one-way delay: 31.376 ms
Loss rate: 1.78%

Run 2: Report of QUIC Cubic — Data Link

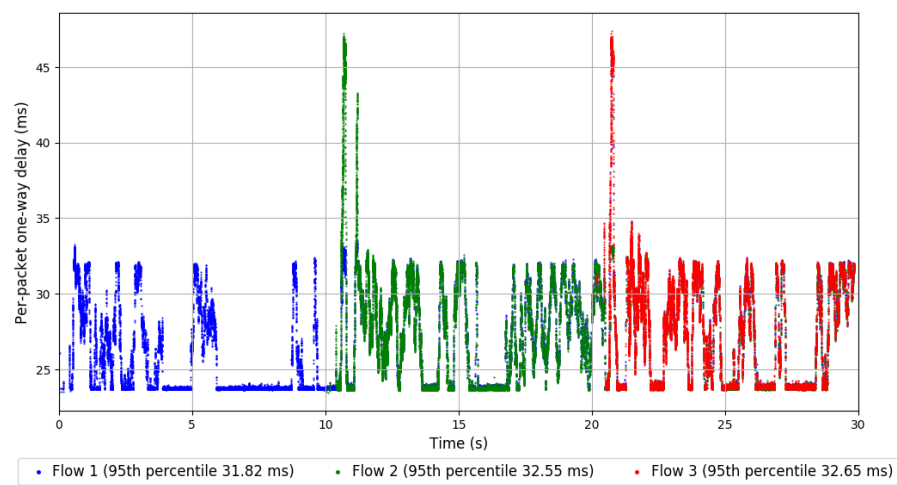
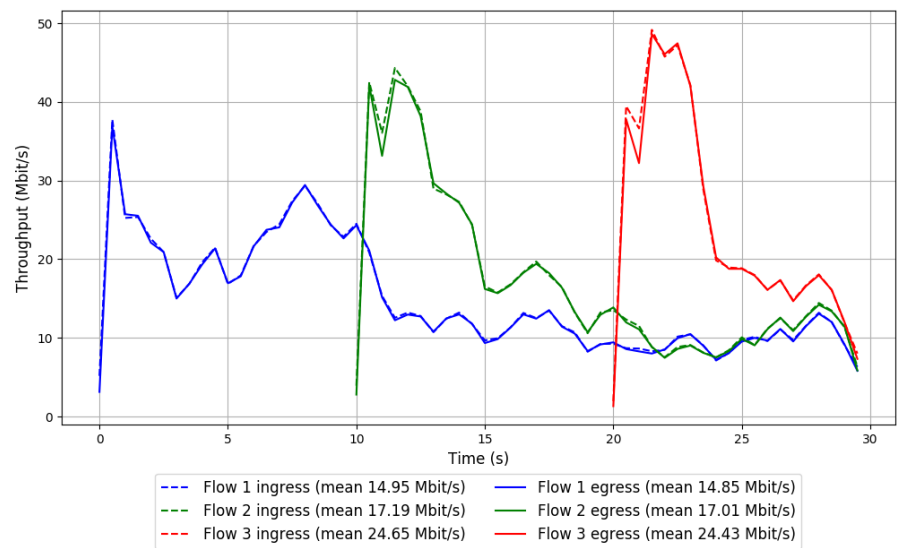


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-28 01:03:32
End at: 2018-02-28 01:04:02
Local clock offset: -7.022 ms
Remote clock offset: -9.216 ms

Below is generated by plot.py at 2018-02-28 09:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.18 Mbit/s
95th percentile per-packet one-way delay: 32.030 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 31.822 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 32.554 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 32.652 ms
Loss rate: 1.47%

Run 3: Report of QUIC Cubic — Data Link

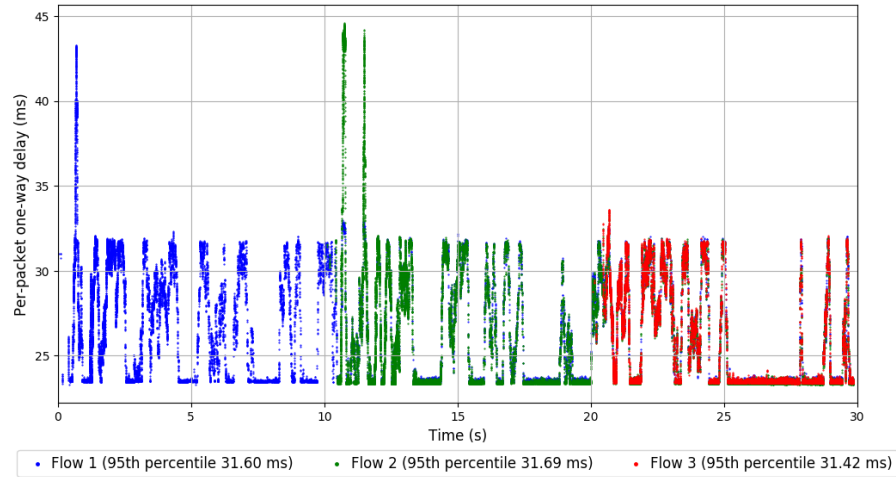
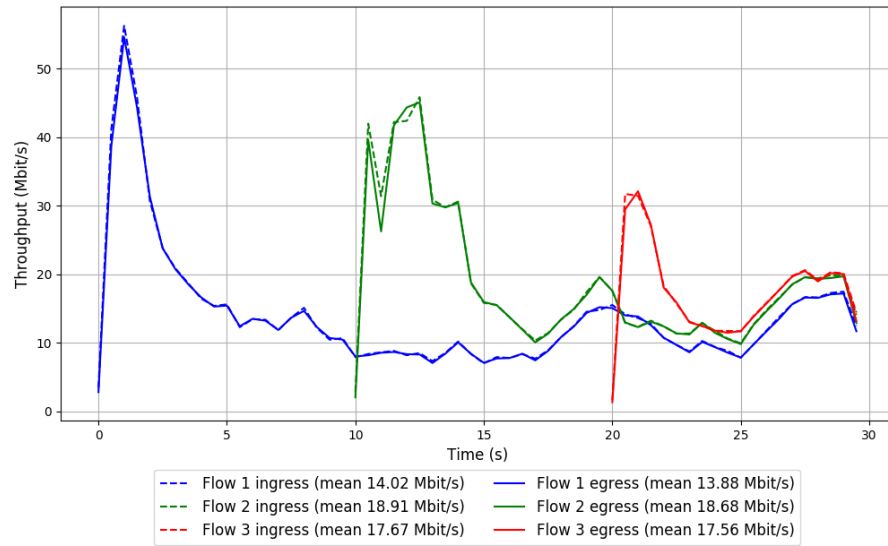


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-28 01:31:19
End at: 2018-02-28 01:31:49
Local clock offset: -0.337 ms
Remote clock offset: -8.188 ms

Below is generated by plot.py at 2018-02-28 09:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 31.603 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 13.88 Mbit/s
95th percentile per-packet one-way delay: 31.599 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 31.686 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 31.422 ms
Loss rate: 1.20%

Run 4: Report of QUIC Cubic — Data Link

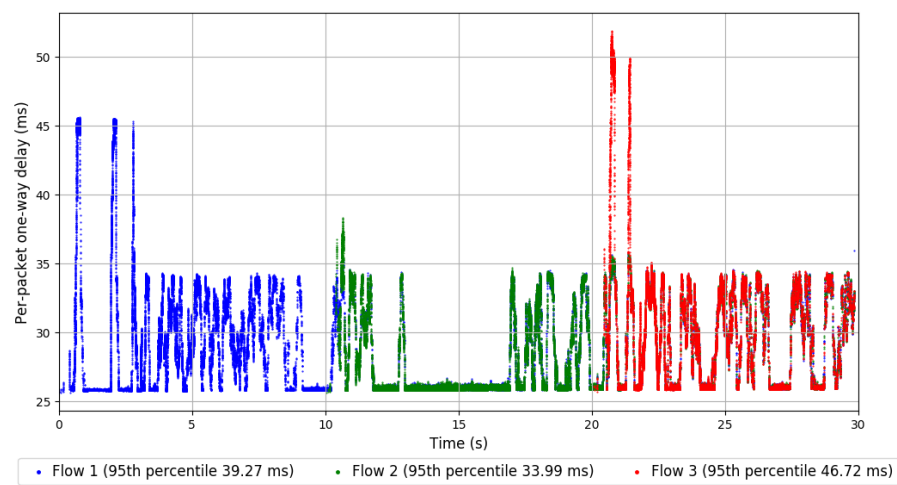
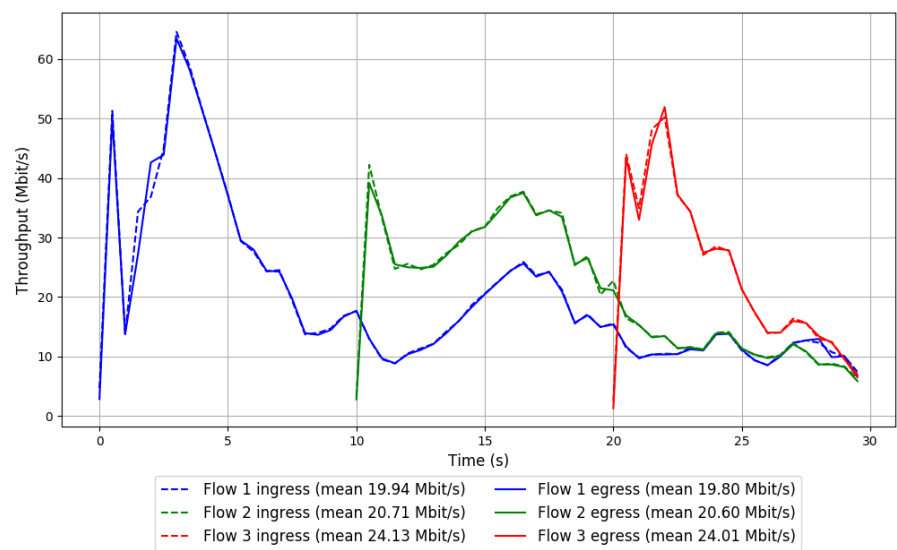


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-28 01:58:28
End at: 2018-02-28 01:58:58
Local clock offset: 0.544 ms
Remote clock offset: -6.343 ms

Below is generated by plot.py at 2018-02-28 09:45:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 34.976 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 19.80 Mbit/s
95th percentile per-packet one-way delay: 39.275 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 33.989 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 46.715 ms
Loss rate: 1.05%

Run 5: Report of QUIC Cubic — Data Link

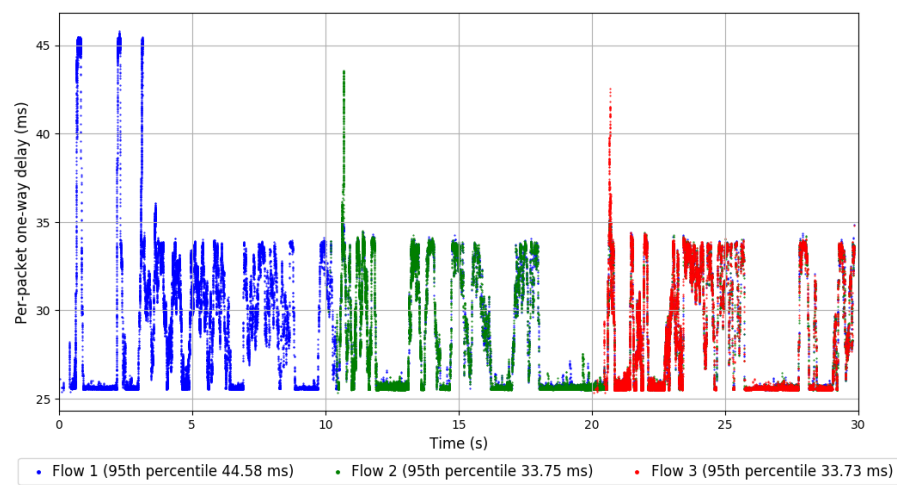
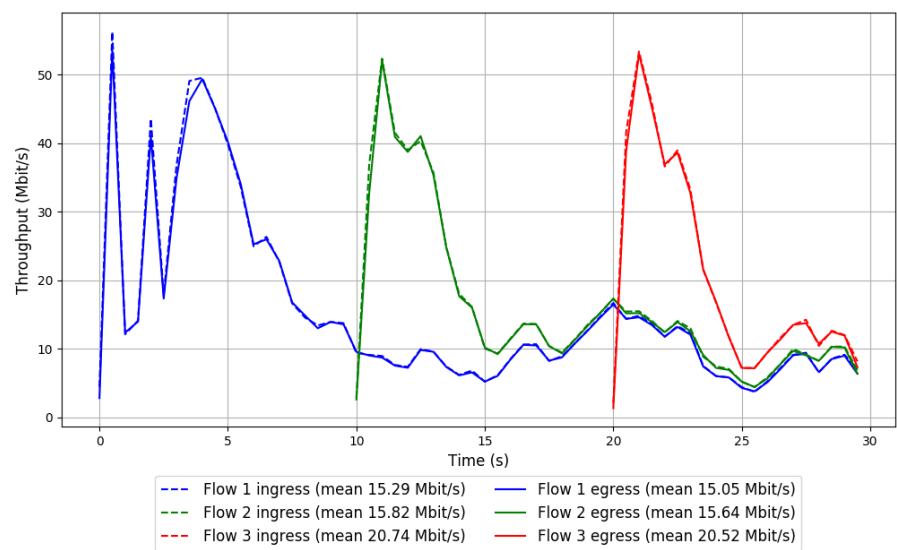


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-28 02:26:30
End at: 2018-02-28 02:27:00
Local clock offset: 0.126 ms
Remote clock offset: -8.122 ms

Below is generated by plot.py at 2018-02-28 09:45:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 34.001 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 44.579 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 33.751 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 20.52 Mbit/s
95th percentile per-packet one-way delay: 33.733 ms
Loss rate: 1.56%

Run 6: Report of QUIC Cubic — Data Link

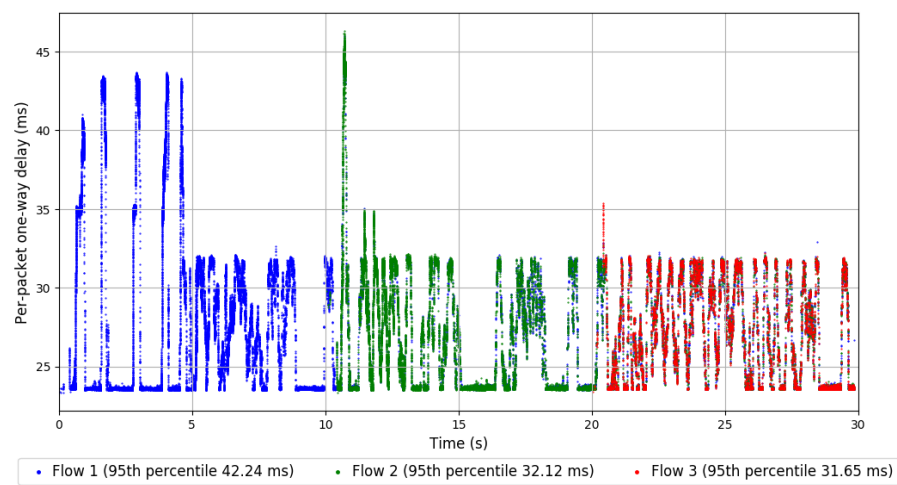
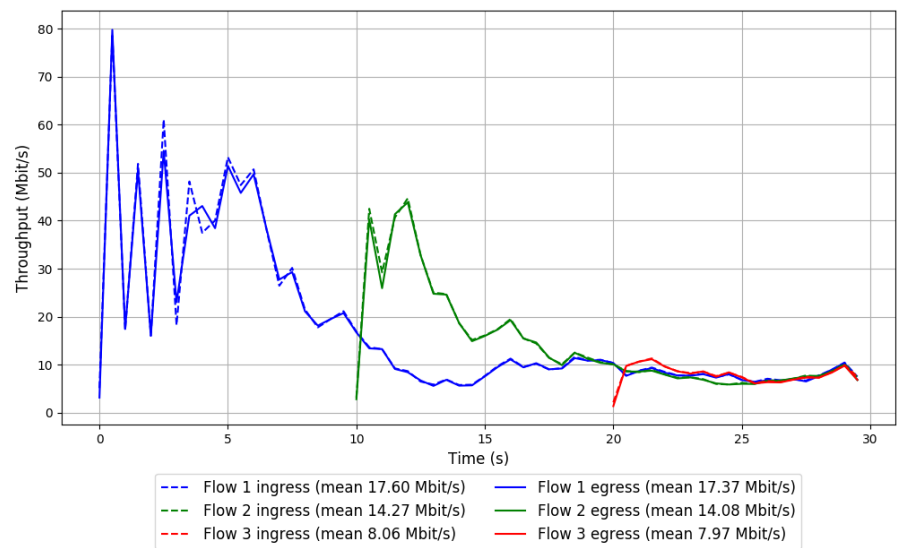


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-28 02:54:56
End at: 2018-02-28 02:55:26
Local clock offset: -0.253 ms
Remote clock offset: -8.272 ms

Below is generated by plot.py at 2018-02-28 09:45:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 40.306 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 17.37 Mbit/s
95th percentile per-packet one-way delay: 42.236 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 14.08 Mbit/s
95th percentile per-packet one-way delay: 32.117 ms
Loss rate: 1.59%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 31.650 ms
Loss rate: 1.67%

Run 7: Report of QUIC Cubic — Data Link

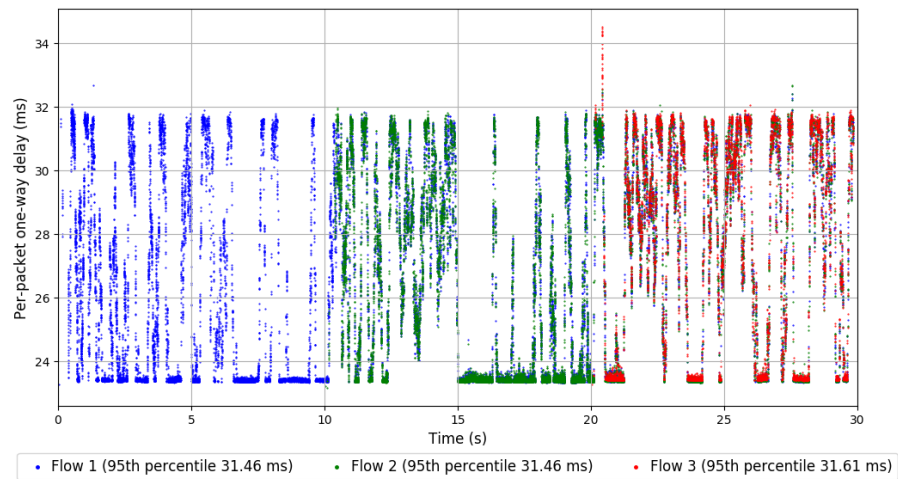
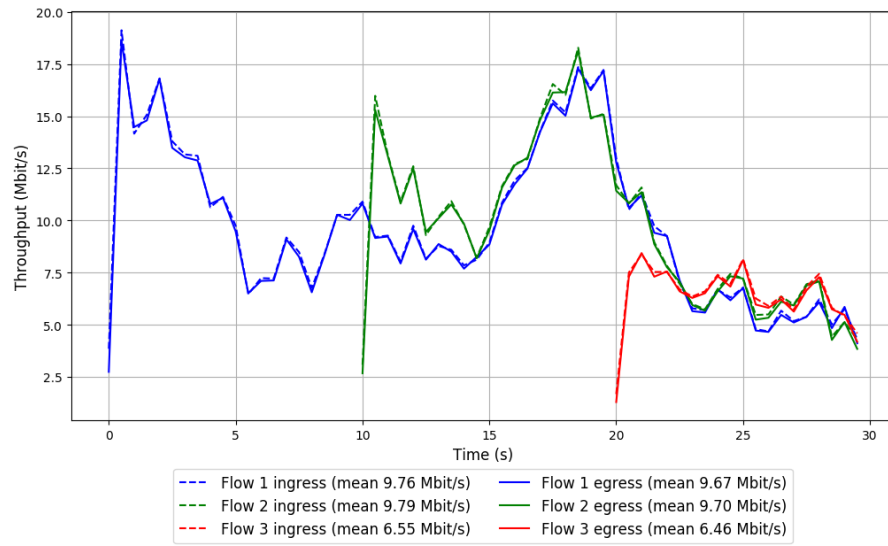


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-28 03:23:23
End at: 2018-02-28 03:23:53
Local clock offset: -0.791 ms
Remote clock offset: -8.929 ms

Below is generated by plot.py at 2018-02-28 09:45:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 31.484 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 9.67 Mbit/s
95th percentile per-packet one-way delay: 31.465 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 9.70 Mbit/s
95th percentile per-packet one-way delay: 31.456 ms
Loss rate: 1.15%
-- Flow 3:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 31.611 ms
Loss rate: 2.01%

Run 8: Report of QUIC Cubic — Data Link

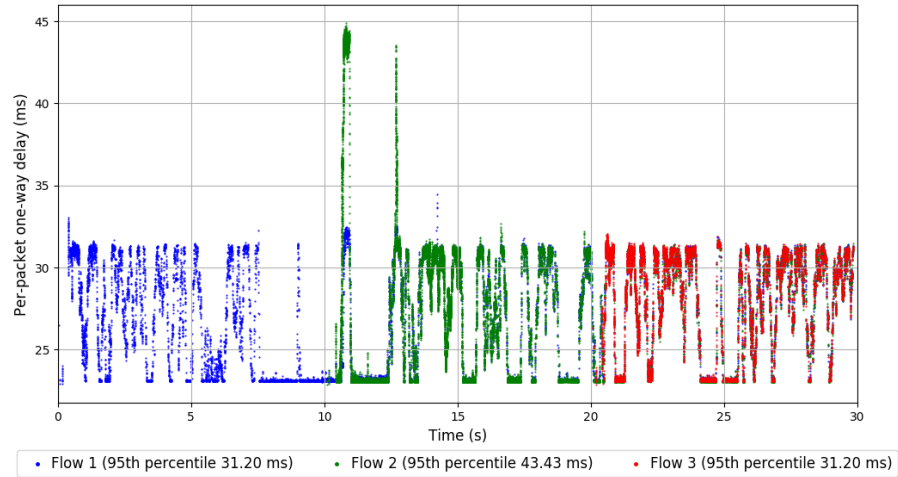
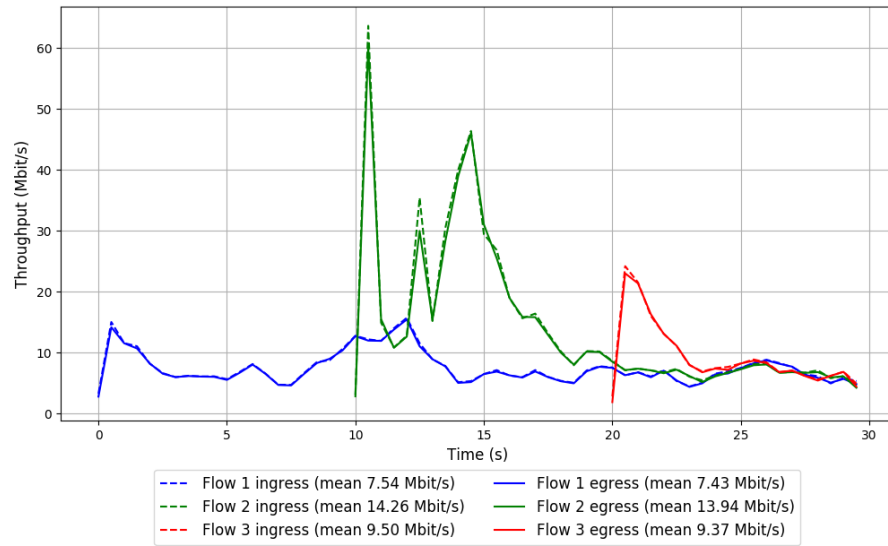


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-28 03:52:48
End at: 2018-02-28 03:53:18
Local clock offset: 1.064 ms
Remote clock offset: -1.349 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.76 Mbit/s
95th percentile per-packet one-way delay: 31.627 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 31.202 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 43.432 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 31.199 ms
Loss rate: 1.95%

Run 9: Report of QUIC Cubic — Data Link

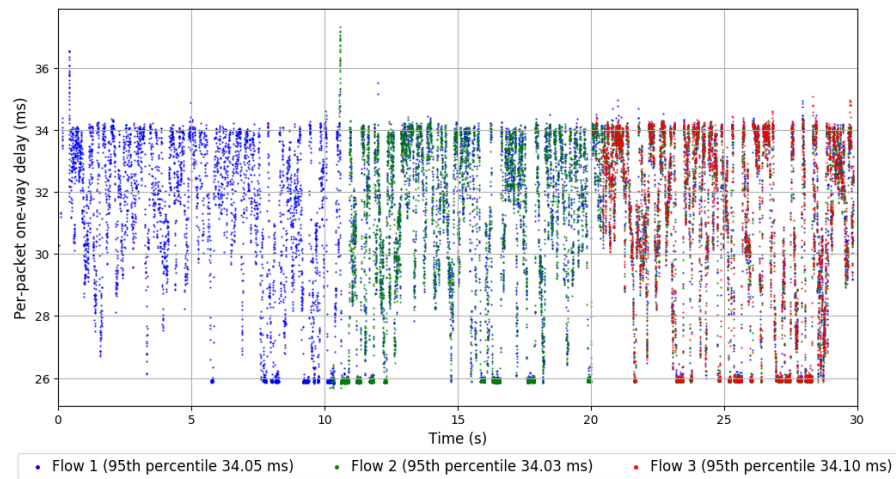
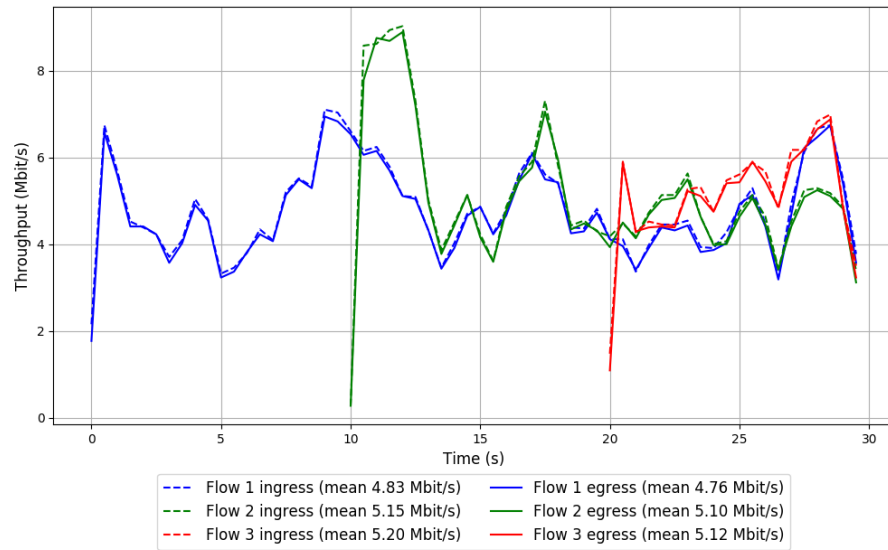


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-28 04:23:15
End at: 2018-02-28 04:23:45
Local clock offset: -5.59 ms
Remote clock offset: -8.382 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 34.056 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 34.050 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 34.034 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 5.12 Mbit/s
95th percentile per-packet one-way delay: 34.103 ms
Loss rate: 2.08%

Run 10: Report of QUIC Cubic — Data Link

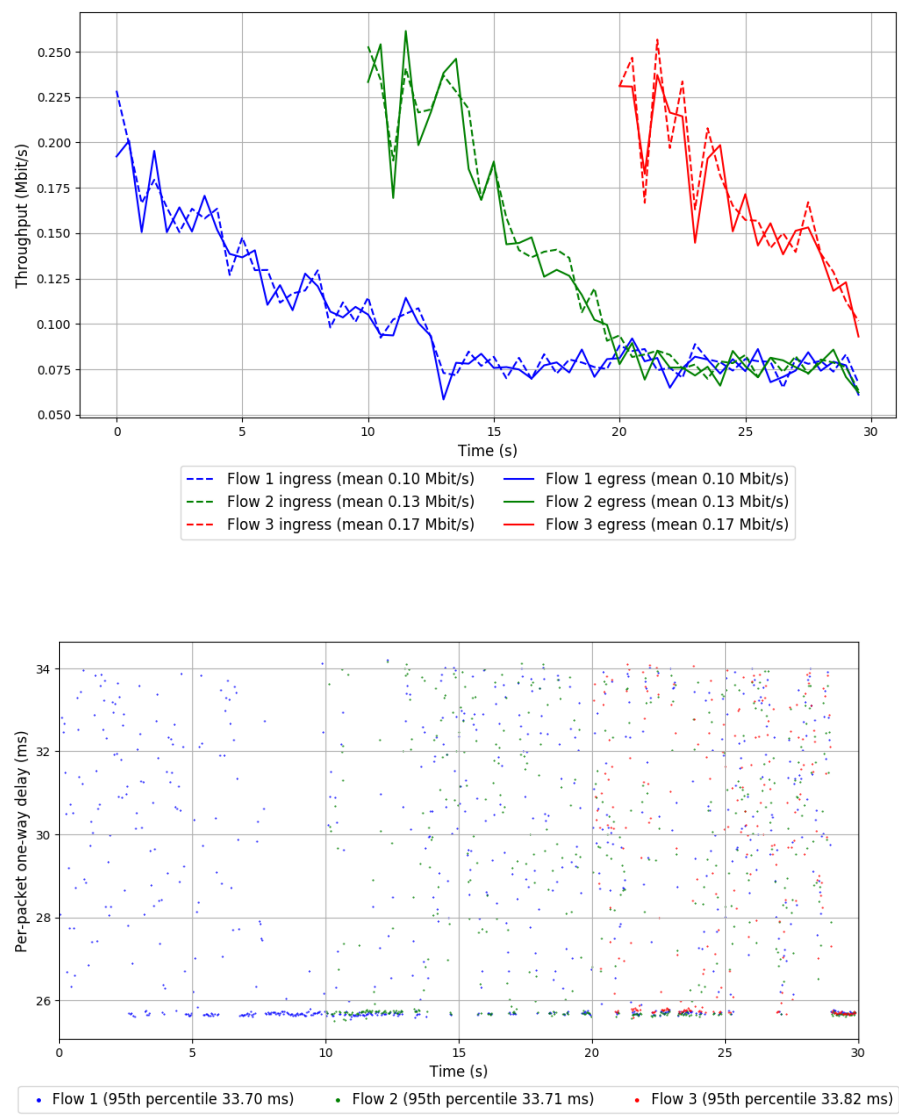


```
Run 1: Statistics of SCReAM

Start at: 2018-02-28 00:02:35
End at: 2018-02-28 00:03:05
Local clock offset: -1.564 ms
Remote clock offset: -6.704 ms

# Below is generated by plot.py at 2018-02-28 09:45:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 33.718 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 33.704 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 33.707 ms
Loss rate: 2.07%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 33.821 ms
Loss rate: 1.76%
```

Run 1: Report of SReAM — Data Link

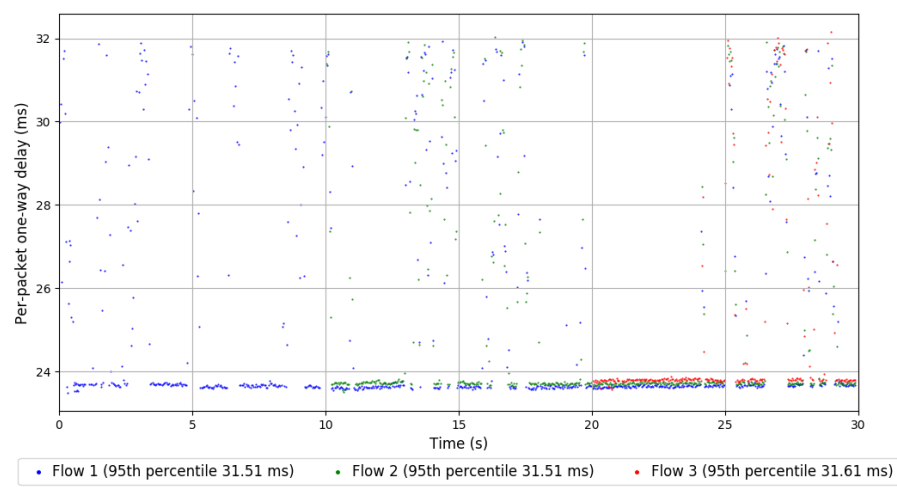
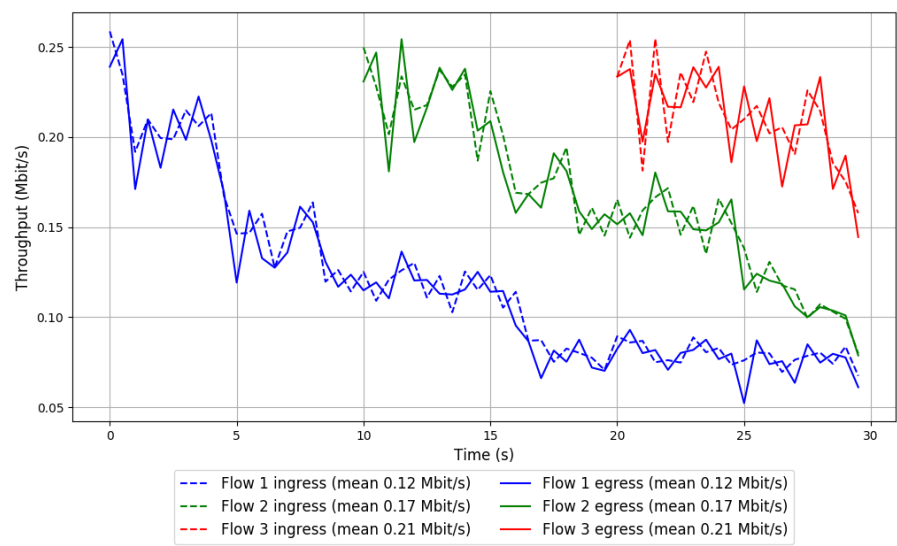


Run 2: Statistics of SReAM

Start at: 2018-02-28 00:29:55
End at: 2018-02-28 00:30:25
Local clock offset: -6.998 ms
Remote clock offset: -2.613 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 31.528 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 31.507 ms
Loss rate: 2.08%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 31.514 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.613 ms
Loss rate: 0.72%

Run 2: Report of SReAM — Data Link

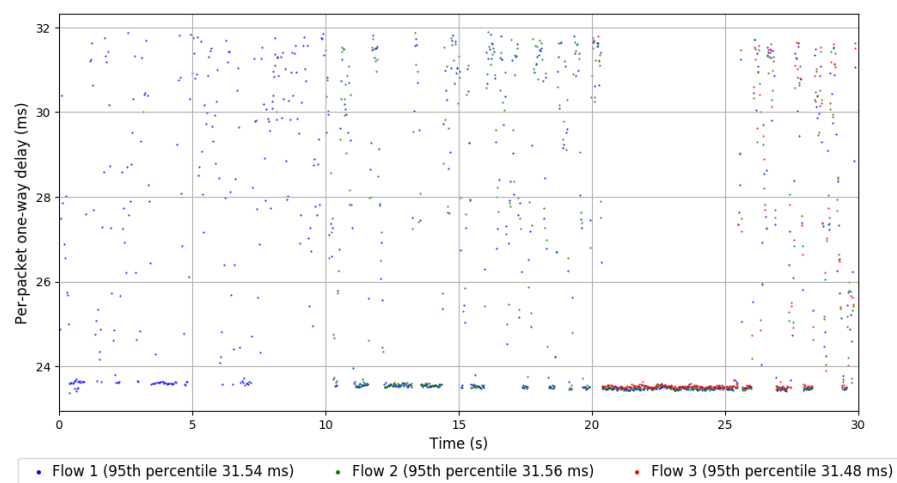
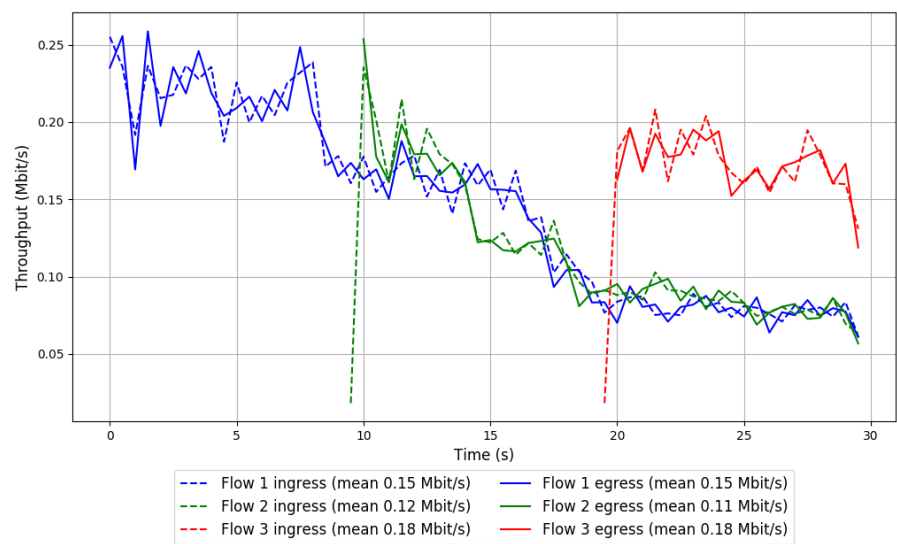


Run 3: Statistics of SCReAM

Start at: 2018-02-28 00:57:26
End at: 2018-02-28 00:57:56
Local clock offset: -6.987 ms
Remote clock offset: -9.076 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 31.530 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 31.544 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 31.561 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 31.479 ms
Loss rate: 1.39%

Run 3: Report of SReAM — Data Link

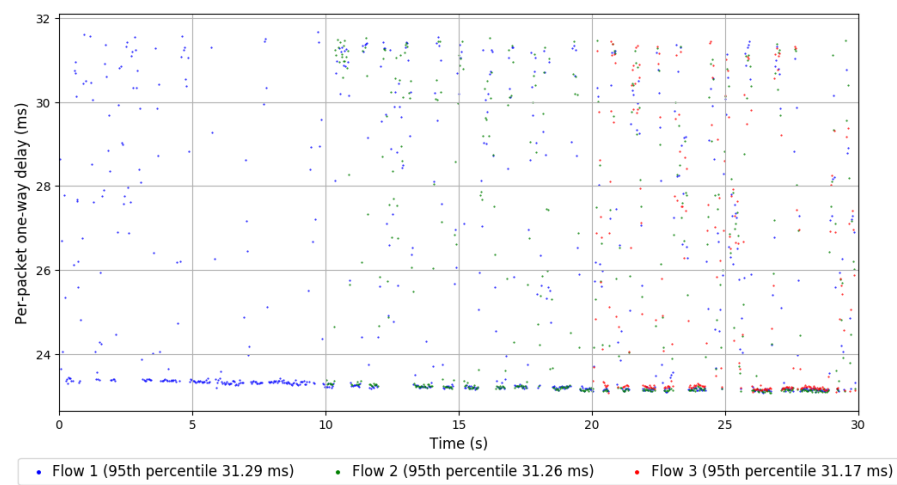
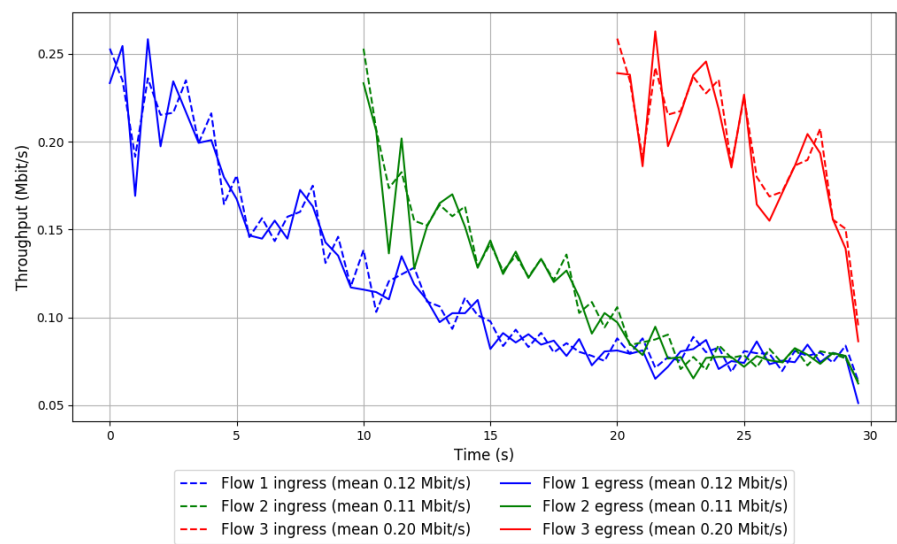


Run 4: Statistics of SReAM

Start at: 2018-02-28 01:25:13
End at: 2018-02-28 01:25:43
Local clock offset: -1.985 ms
Remote clock offset: -8.326 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 31.271 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 31.290 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 31.258 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.170 ms
Loss rate: 1.67%

Run 4: Report of SReAM — Data Link

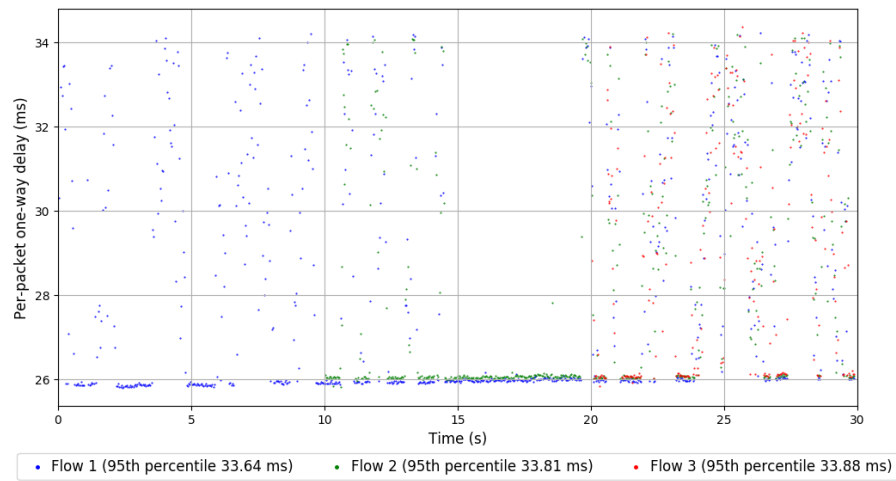
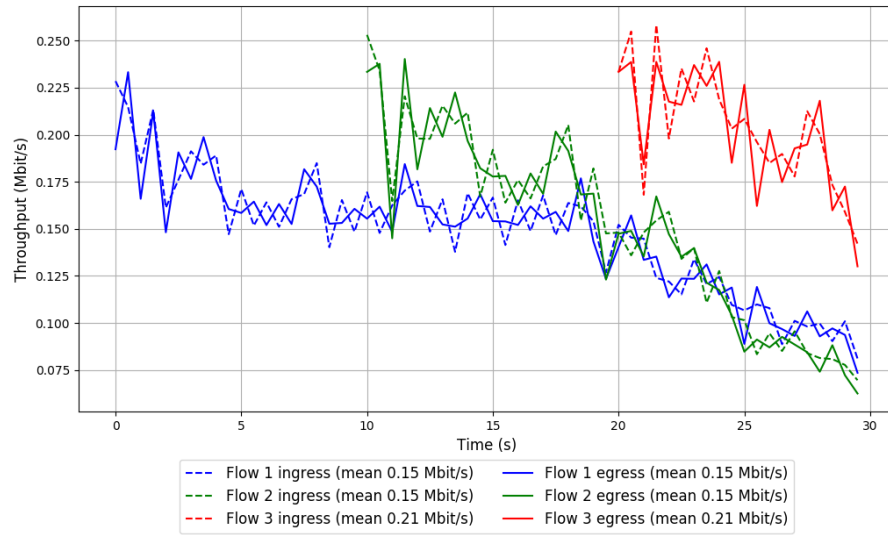


Run 5: Statistics of SCReAM

Start at: 2018-02-28 01:52:35
End at: 2018-02-28 01:53:05
Local clock offset: 1.473 ms
Remote clock offset: -7.264 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 33.767 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 33.639 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 33.808 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.881 ms
Loss rate: 0.69%

Run 5: Report of SReAM — Data Link

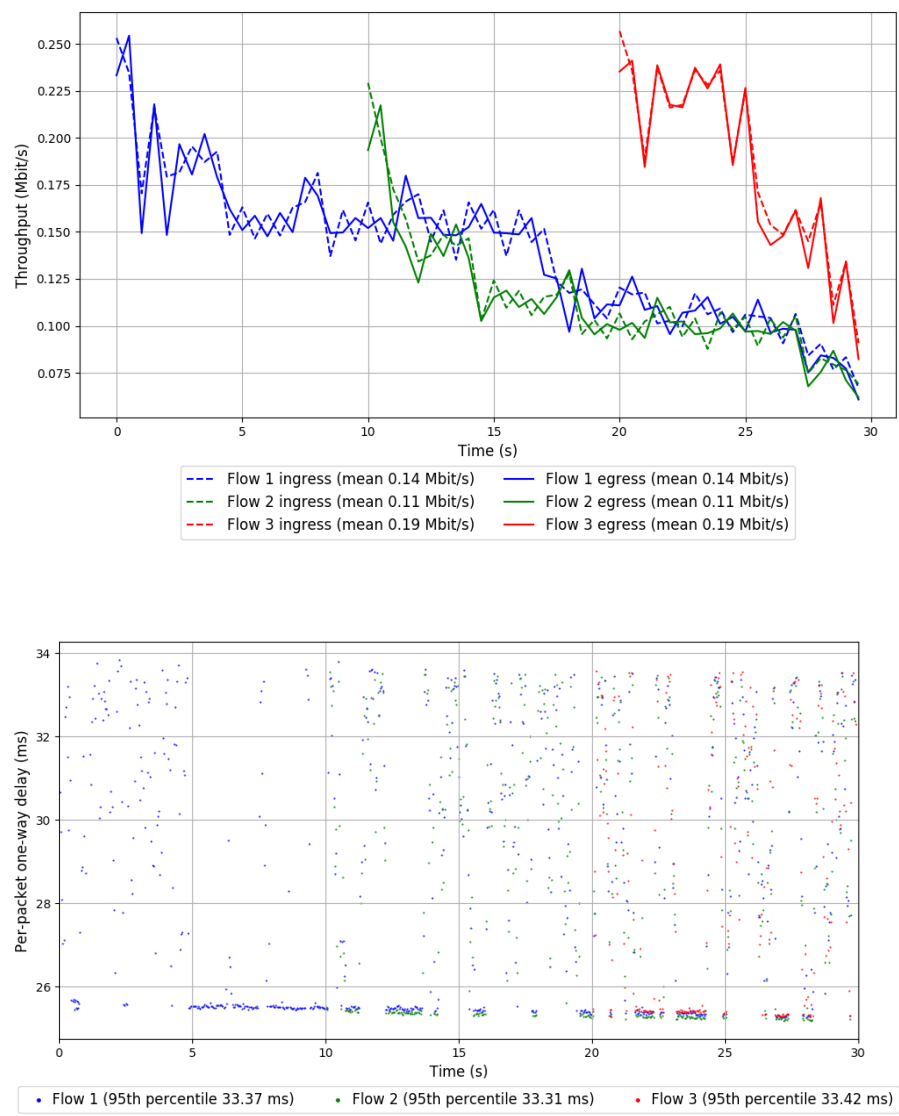


Run 6: Statistics of SReAM

Start at: 2018-02-28 02:20:17
End at: 2018-02-28 02:20:47
Local clock offset: 0.486 ms
Remote clock offset: -6.092 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 33.343 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 33.367 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 33.313 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 33.416 ms
Loss rate: 1.96%

Run 6: Report of SReAM — Data Link

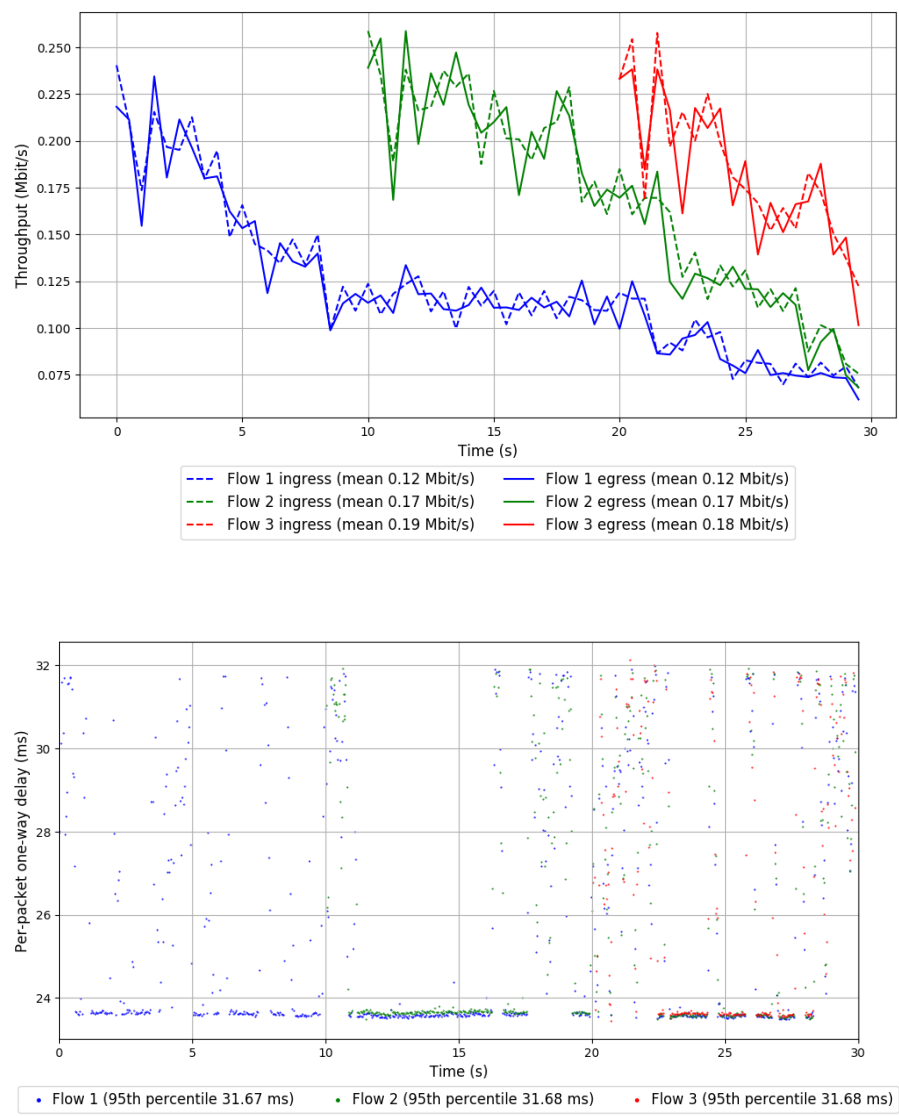


Run 7: Statistics of SReAM

Start at: 2018-02-28 02:48:53
End at: 2018-02-28 02:49:23
Local clock offset: -0.39 ms
Remote clock offset: -8.429 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 31.676 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 31.669 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 31.680 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 31.676 ms
Loss rate: 1.90%

Run 7: Report of SReAM — Data Link

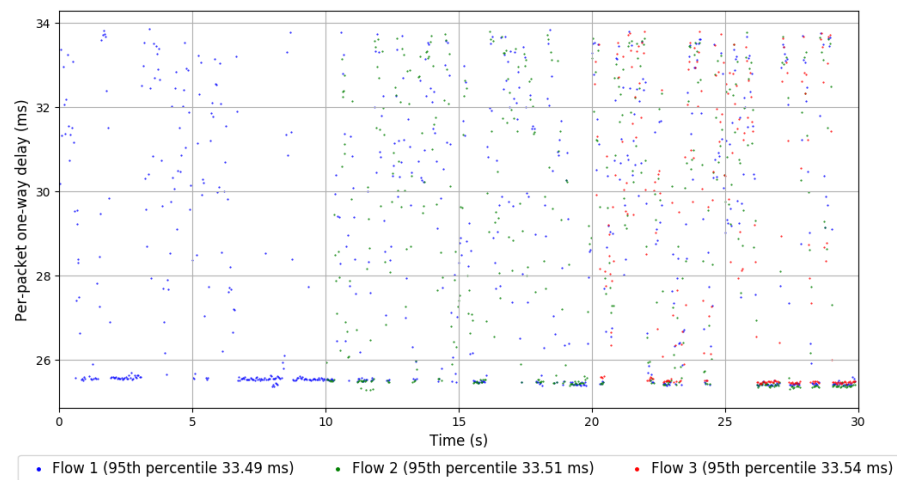
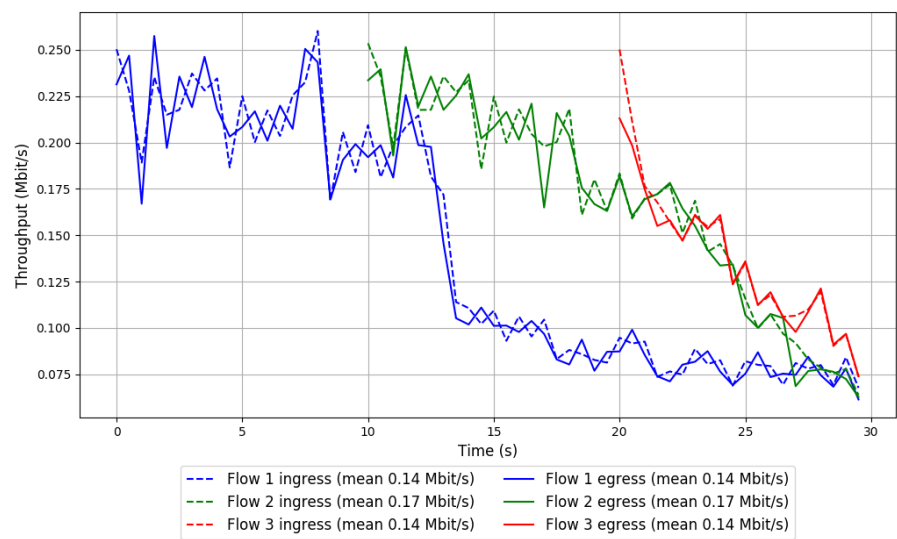


Run 8: Statistics of SReAM

Start at: 2018-02-28 03:17:05
End at: 2018-02-28 03:17:35
Local clock offset: -0.751 ms
Remote clock offset: -10.633 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 33.508 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 33.494 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 33.514 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 33.537 ms
Loss rate: 2.41%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-02-28 03:46:18

End at: 2018-02-28 03:46:48

Local clock offset: 0.739 ms

Remote clock offset: -4.42 ms

Below is generated by plot.py at 2018-02-28 09:45:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 33.824 ms

Loss rate: 1.95%

-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 33.748 ms

Loss rate: 2.11%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 33.845 ms

Loss rate: 0.87%

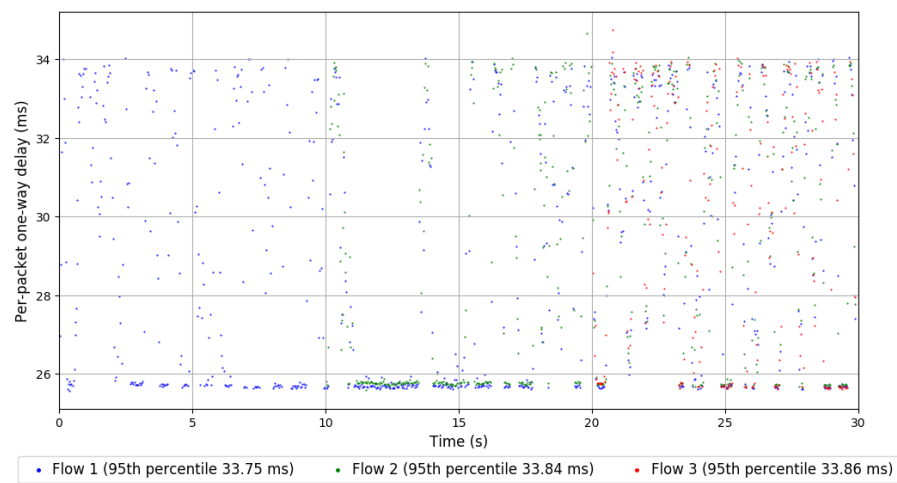
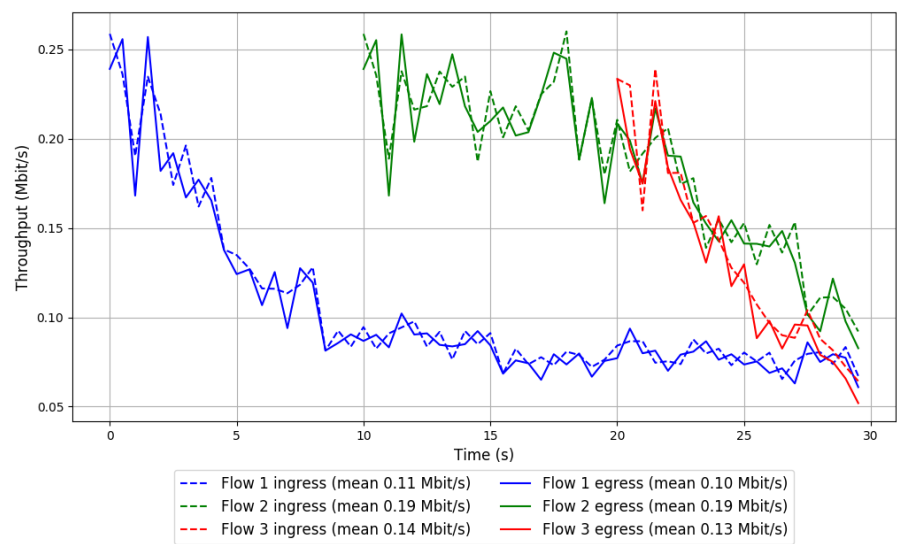
-- Flow 3:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 33.861 ms

Loss rate: 4.57%

Run 9: Report of SReAM — Data Link

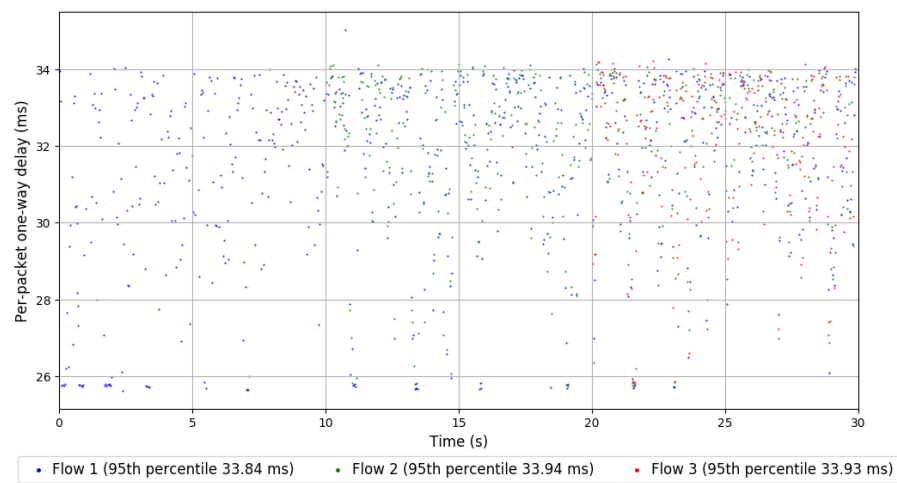
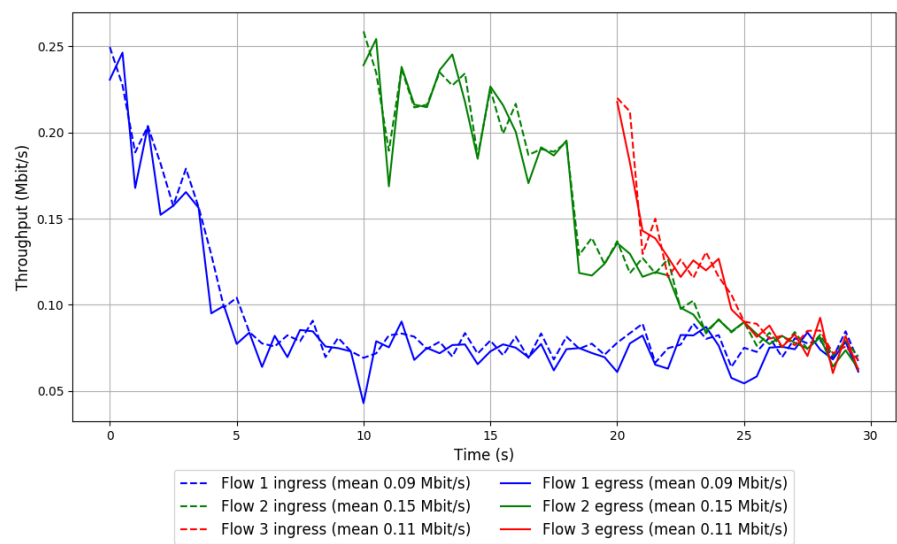


Run 10: Statistics of SReAM

Start at: 2018-02-28 04:16:23
End at: 2018-02-28 04:16:53
Local clock offset: -4.127 ms
Remote clock offset: -7.691 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.900 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 33.841 ms
Loss rate: 5.75%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 33.940 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 33.931 ms
Loss rate: 2.04%

Run 10: Report of SCReAM — Data Link

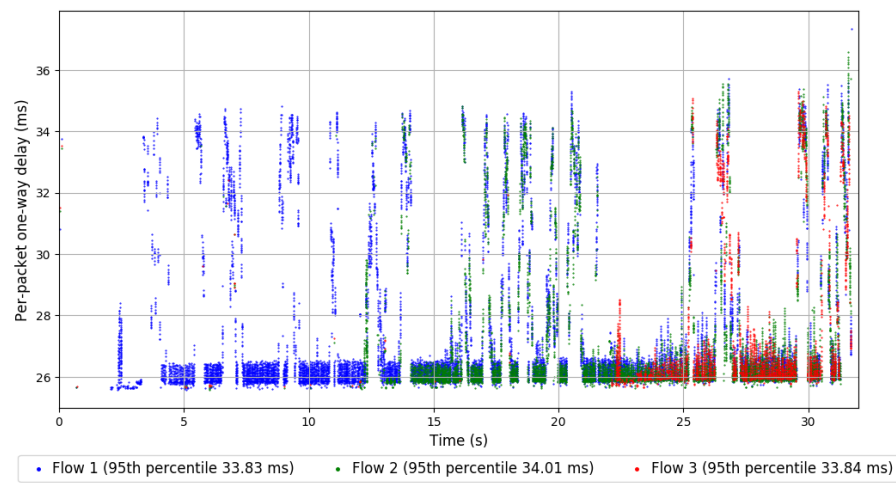
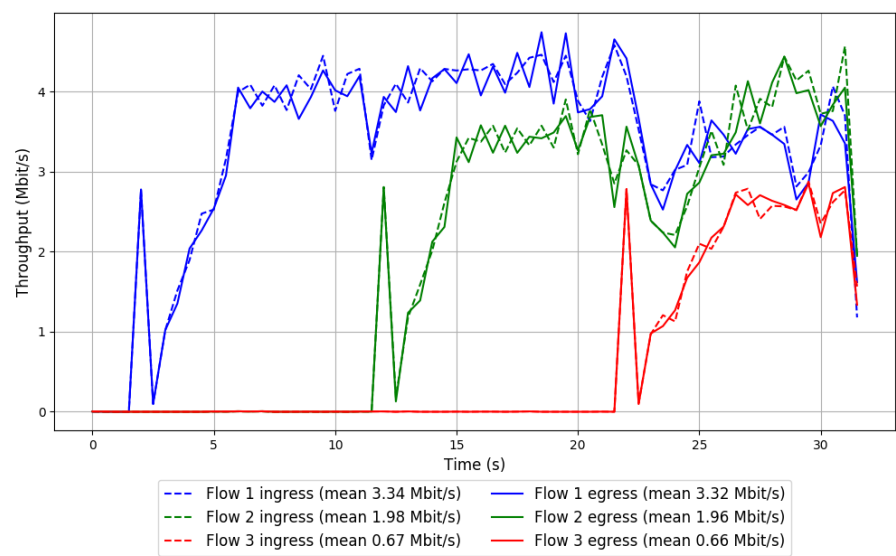


Run 1: Statistics of WebRTC media

Start at: 2018-02-28 00:24:04
End at: 2018-02-28 00:24:34
Local clock offset: -6.226 ms
Remote clock offset: -4.979 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 33.899 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 33.830 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 34.013 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 33.842 ms
Loss rate: 0.69%

Run 1: Report of WebRTC media — Data Link

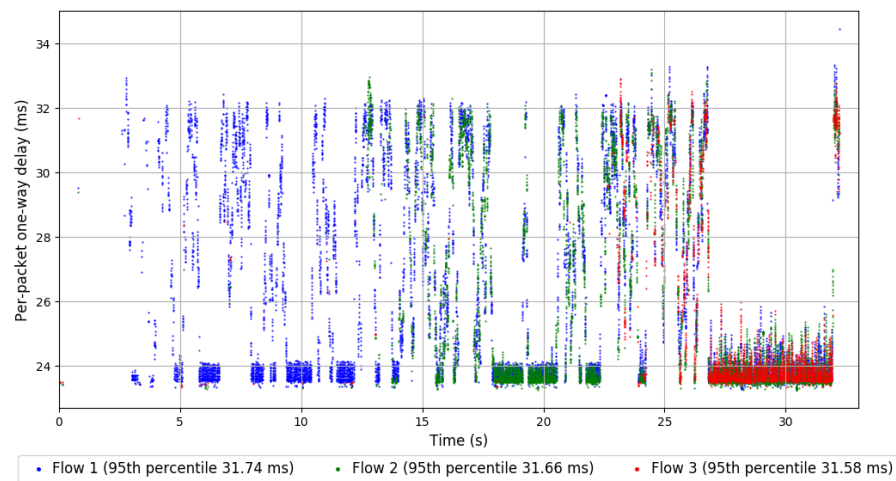
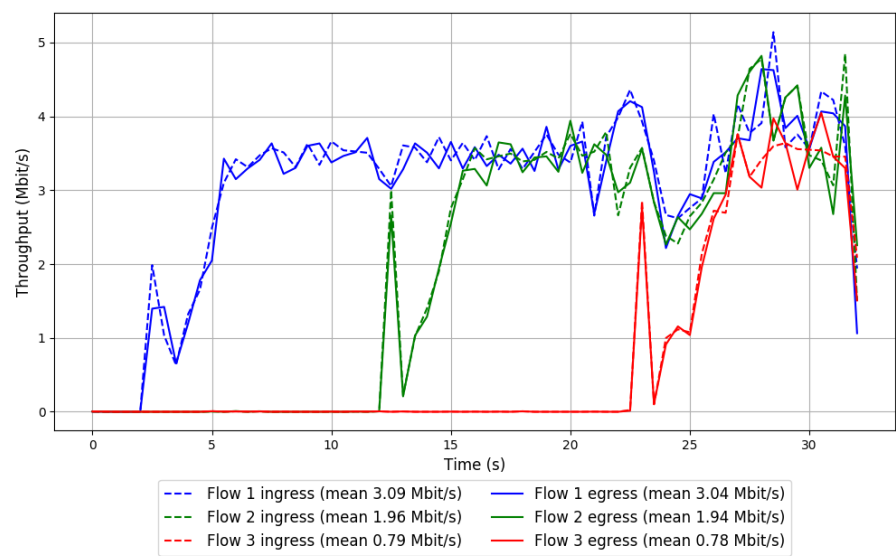


Run 2: Statistics of WebRTC media

Start at: 2018-02-28 00:51:31
End at: 2018-02-28 00:52:01
Local clock offset: -6.93 ms
Remote clock offset: -8.437 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.75 Mbit/s
95th percentile per-packet one-way delay: 31.695 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 31.739 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 31.662 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 31.577 ms
Loss rate: 1.86%

Run 2: Report of WebRTC media — Data Link

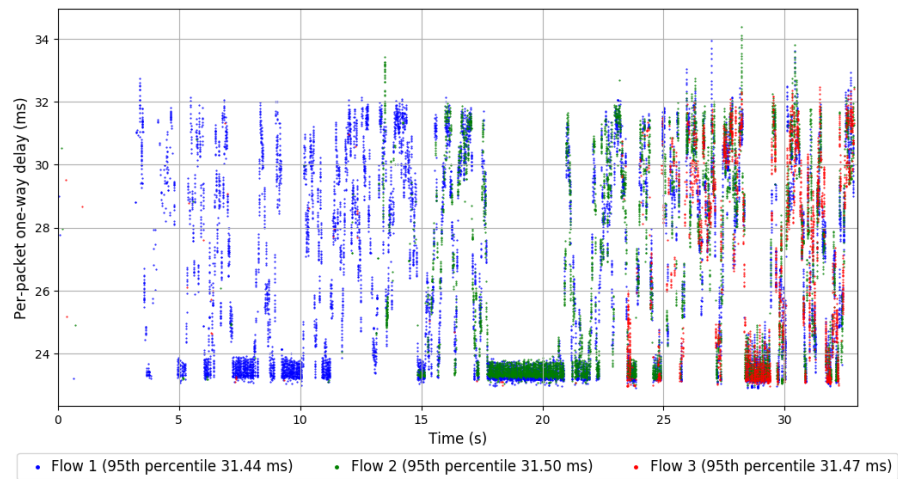
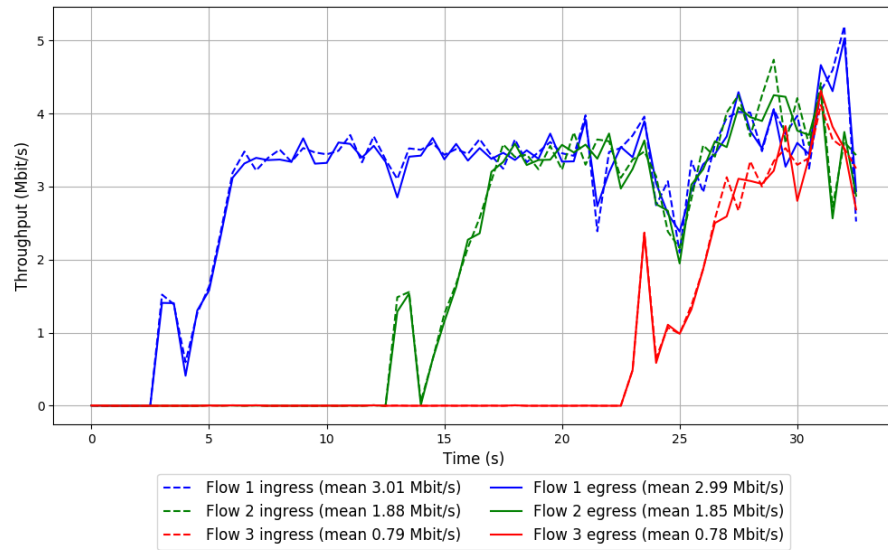


Run 3: Statistics of WebRTC media

Start at: 2018-02-28 01:19:12
End at: 2018-02-28 01:19:42
Local clock offset: -4.725 ms
Remote clock offset: -8.779 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.60 Mbit/s
95th percentile per-packet one-way delay: 31.459 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 31.440 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 31.505 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 31.466 ms
Loss rate: 1.93%

Run 3: Report of WebRTC media — Data Link

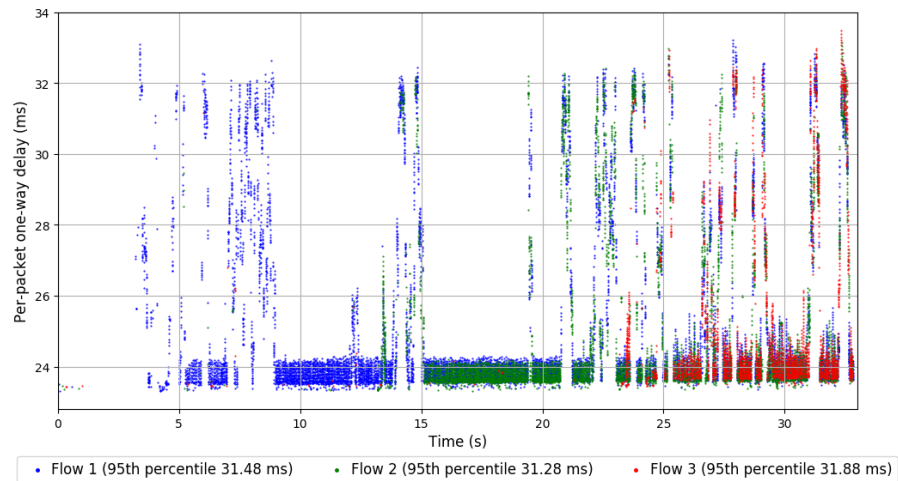
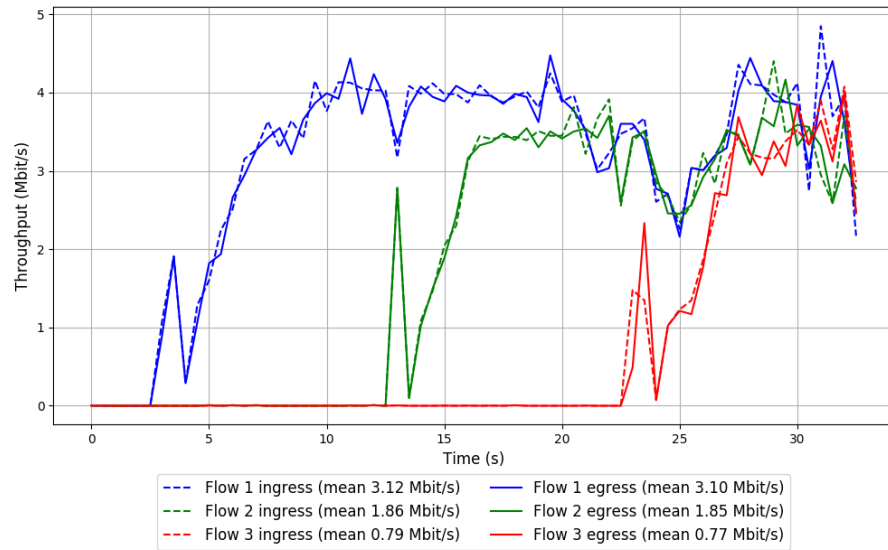


Run 4: Statistics of WebRTC media

Start at: 2018-02-28 01:46:46
End at: 2018-02-28 01:47:16
Local clock offset: 1.969 ms
Remote clock offset: -6.554 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 31.479 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 31.483 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 31.283 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 31.879 ms
Loss rate: 2.09%

Run 4: Report of WebRTC media — Data Link

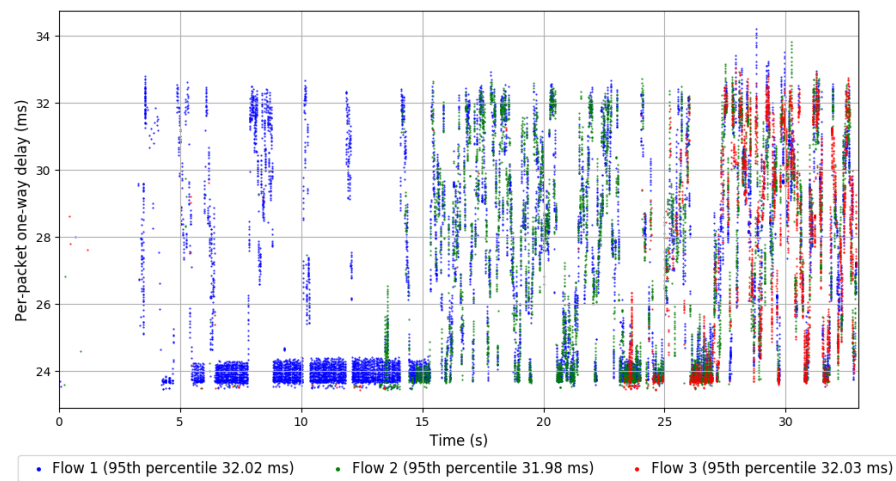
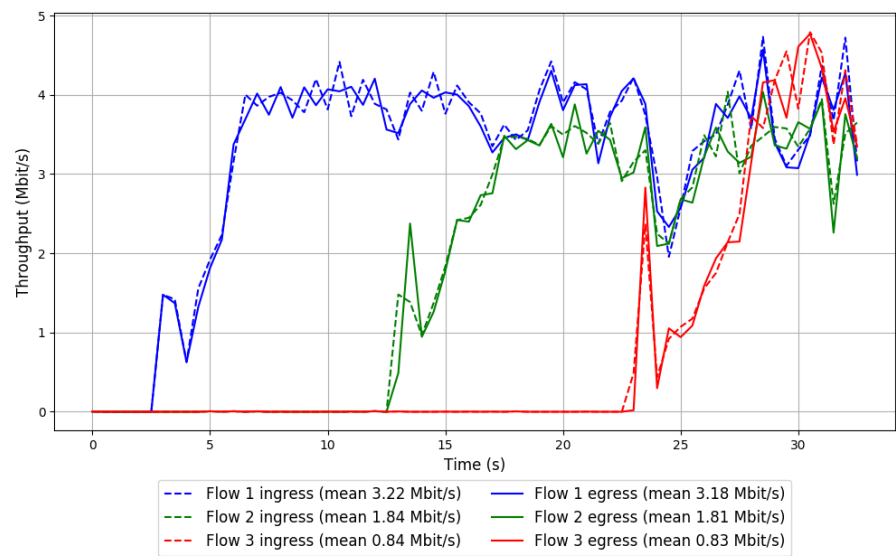


Run 5: Statistics of WebRTC media

Start at: 2018-02-28 02:14:25
End at: 2018-02-28 02:14:55
Local clock offset: 0.32 ms
Remote clock offset: -2.755 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 32.008 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 32.018 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 31.978 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 32.033 ms
Loss rate: 1.55%

Run 5: Report of WebRTC media — Data Link

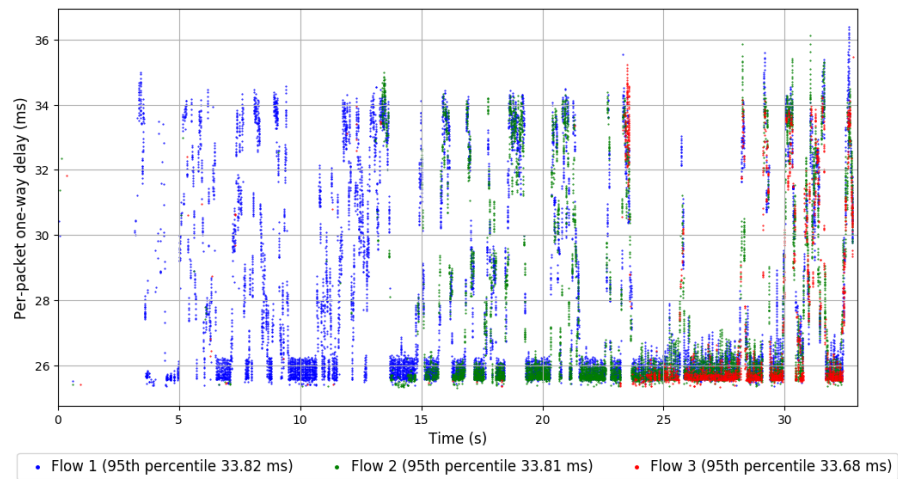
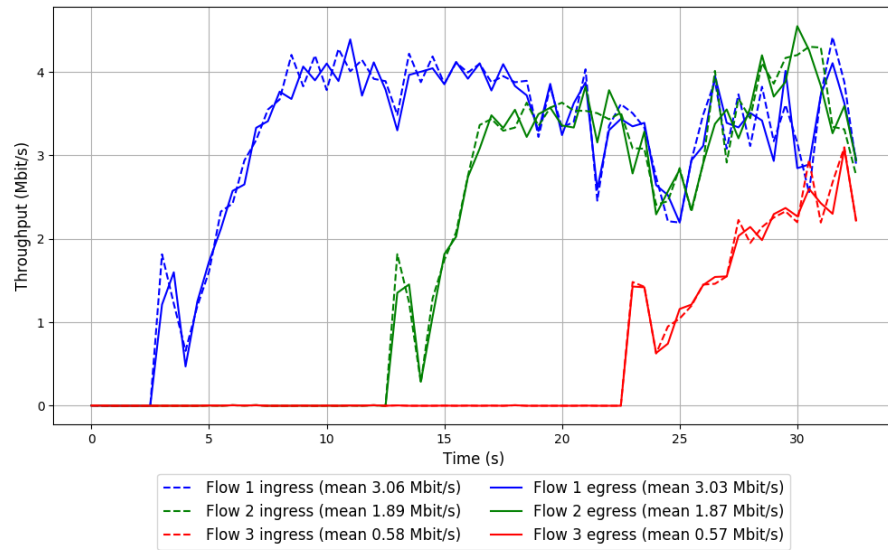


Run 6: Statistics of WebRTC media

Start at: 2018-02-28 02:42:51
End at: 2018-02-28 02:43:21
Local clock offset: -0.532 ms
Remote clock offset: -10.218 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 33.802 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 33.824 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 33.813 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 33.684 ms
Loss rate: 1.49%

Run 6: Report of WebRTC media — Data Link

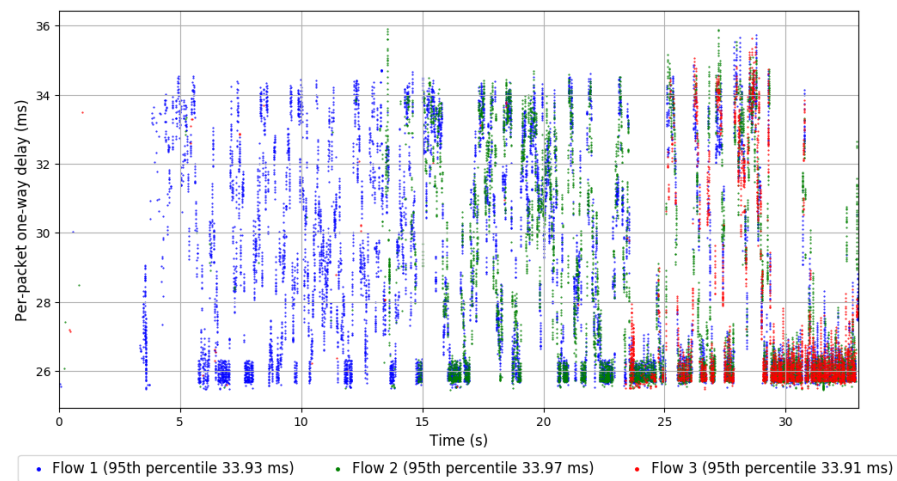
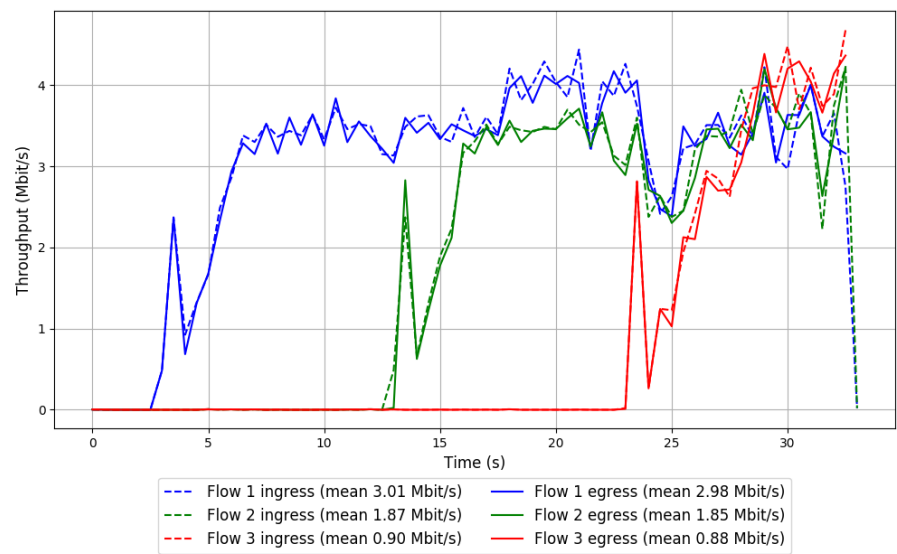


Run 7: Statistics of WebRTC media

Start at: 2018-02-28 03:10:54
End at: 2018-02-28 03:11:24
Local clock offset: -0.71 ms
Remote clock offset: -10.562 ms

Below is generated by plot.py at 2018-02-28 09:45:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 33.935 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 33.927 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 33.971 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 33.906 ms
Loss rate: 1.90%

Run 7: Report of WebRTC media — Data Link

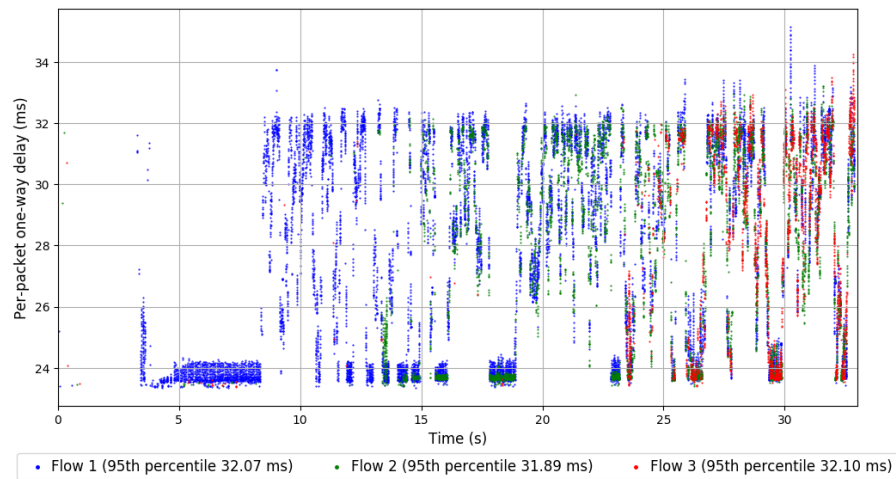
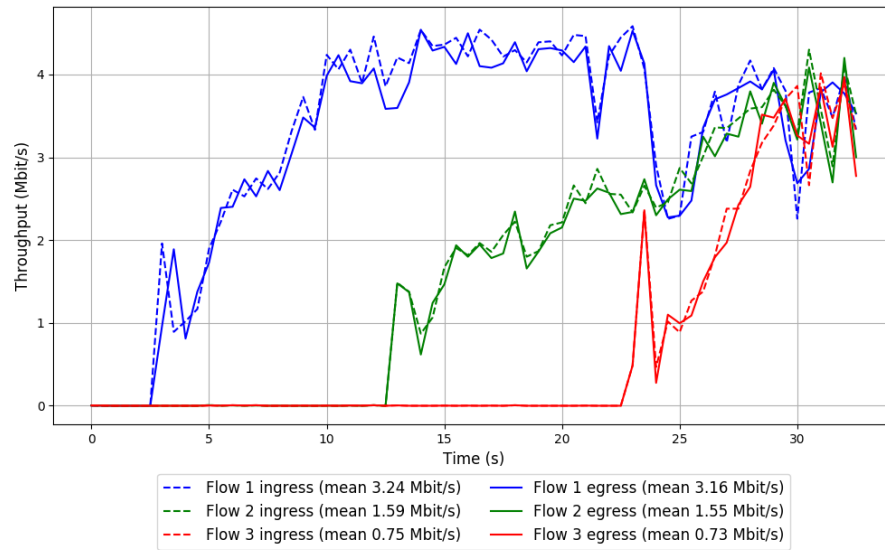


Run 8: Statistics of WebRTC media

Start at: 2018-02-28 03:40:01
End at: 2018-02-28 03:40:31
Local clock offset: 0.312 ms
Remote clock offset: -3.063 ms

Below is generated by plot.py at 2018-02-28 09:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 32.016 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 32.067 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 31.889 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 32.105 ms
Loss rate: 2.60%

Run 8: Report of WebRTC media — Data Link

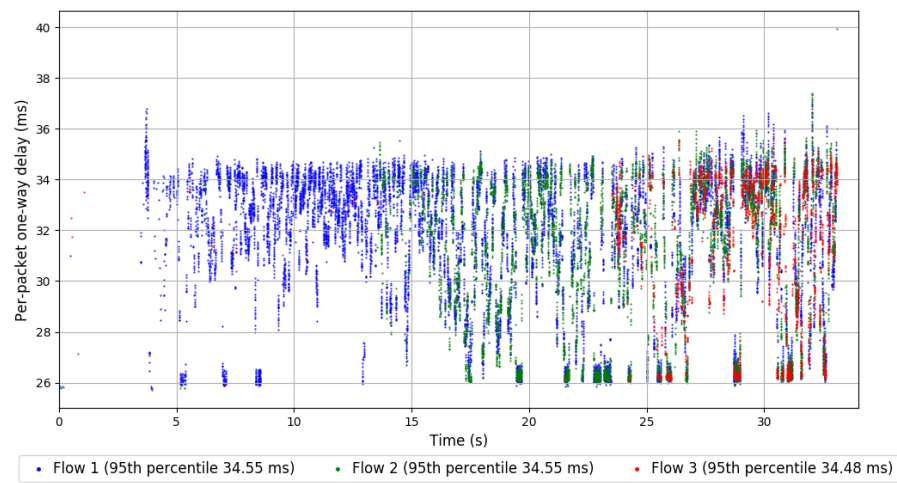
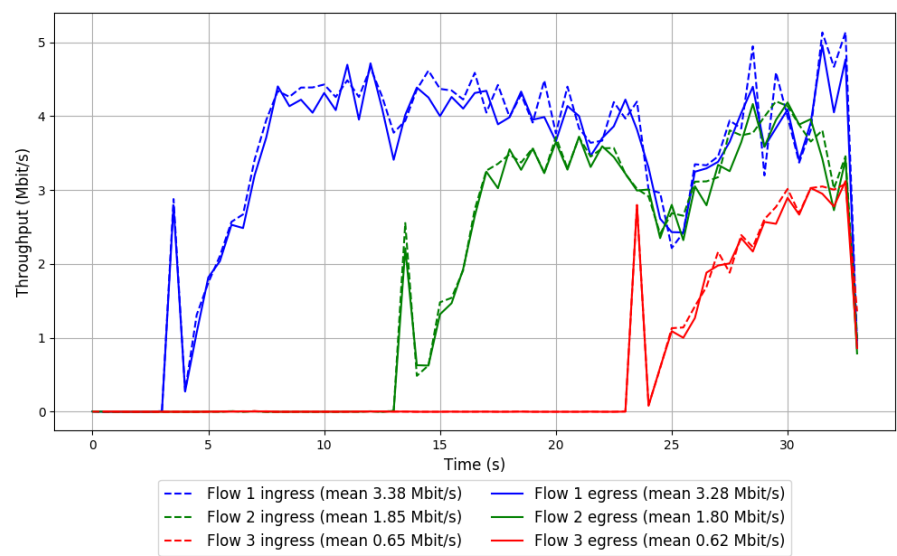


Run 9: Statistics of WebRTC media

Start at: 2018-02-28 04:09:36
End at: 2018-02-28 04:10:06
Local clock offset: -0.996 ms
Remote clock offset: -6.609 ms

Below is generated by plot.py at 2018-02-28 09:45:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.69 Mbit/s
95th percentile per-packet one-way delay: 34.543 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 34.554 ms
Loss rate: 3.13%
-- Flow 2:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 34.545 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 34.479 ms
Loss rate: 3.55%

Run 9: Report of WebRTC media — Data Link

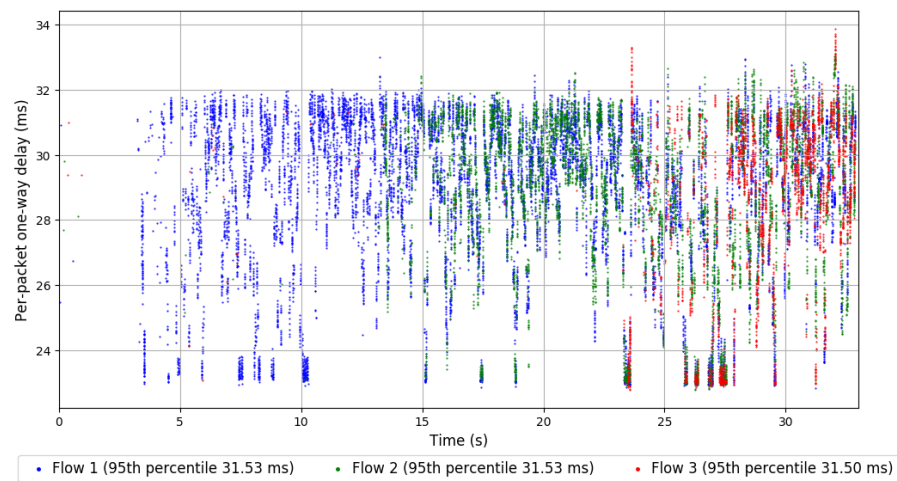
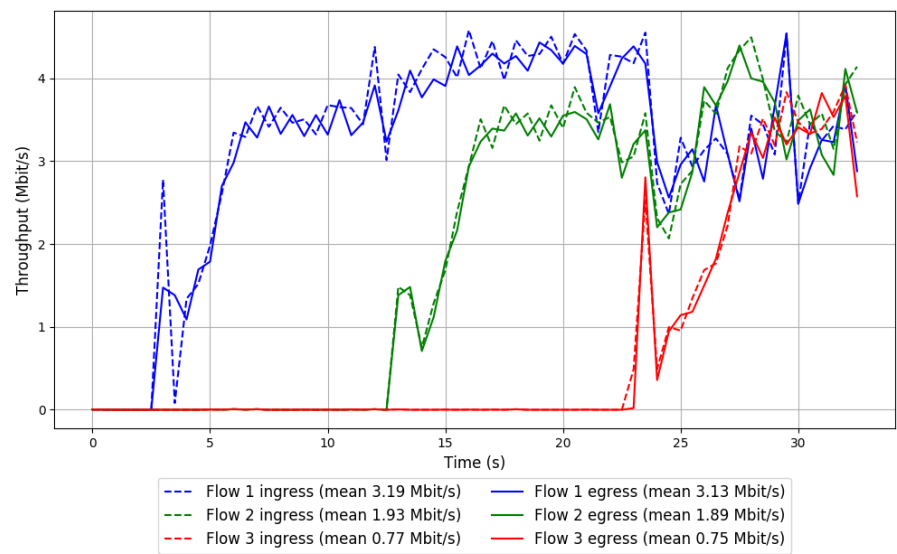


Run 10: Statistics of WebRTC media

Start at: 2018-02-28 04:40:02
End at: 2018-02-28 04:40:32
Local clock offset: -7.593 ms
Remote clock offset: -5.999 ms

Below is generated by plot.py at 2018-02-28 09:45:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.75 Mbit/s
95th percentile per-packet one-way delay: 31.524 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 31.526 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 31.528 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 31.500 ms
Loss rate: 3.26%

Run 10: Report of WebRTC media — Data Link

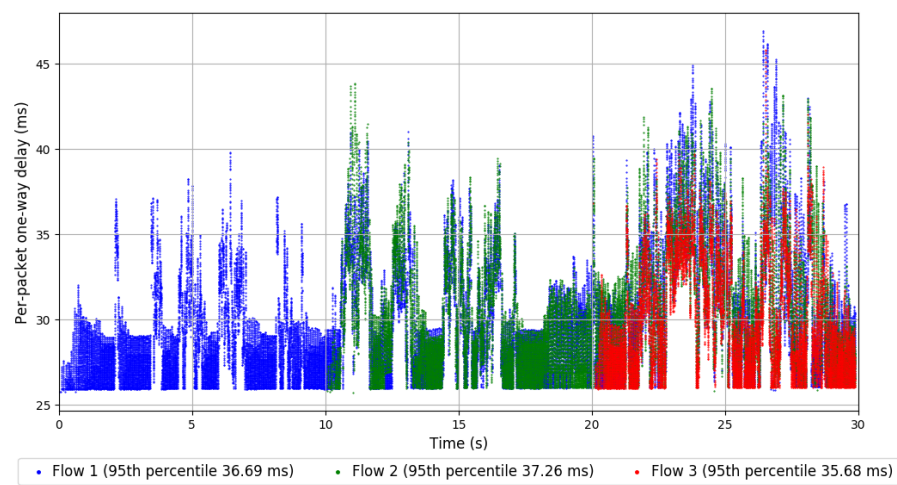
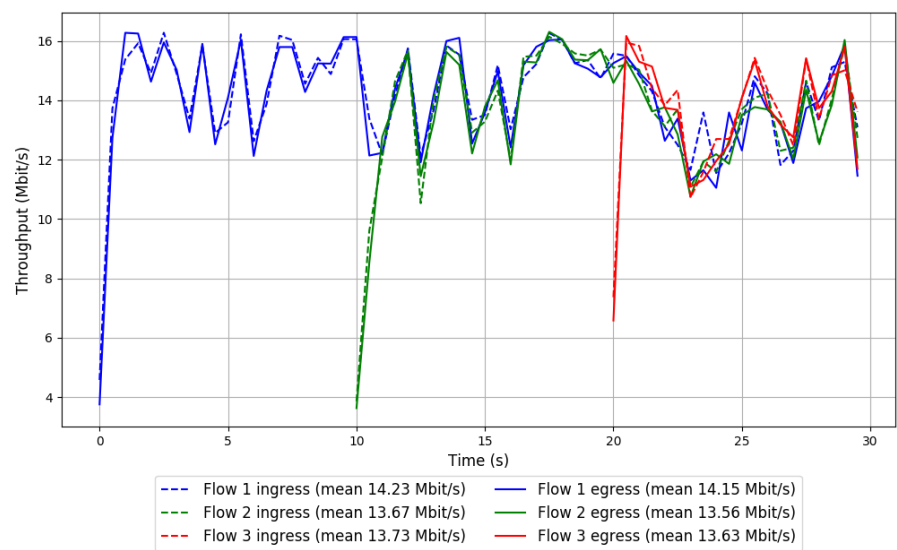


Run 1: Statistics of Sprout

Start at: 2018-02-28 00:14:43
End at: 2018-02-28 00:15:13
Local clock offset: -4.597 ms
Remote clock offset: -5.621 ms

Below is generated by plot.py at 2018-02-28 09:46:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 36.693 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 36.693 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 37.261 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 13.63 Mbit/s
95th percentile per-packet one-way delay: 35.684 ms
Loss rate: 1.43%

Run 1: Report of Sprout — Data Link

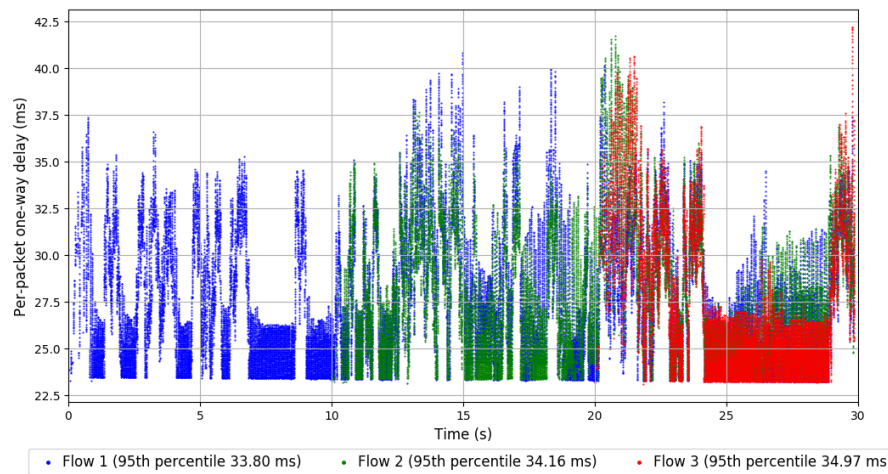
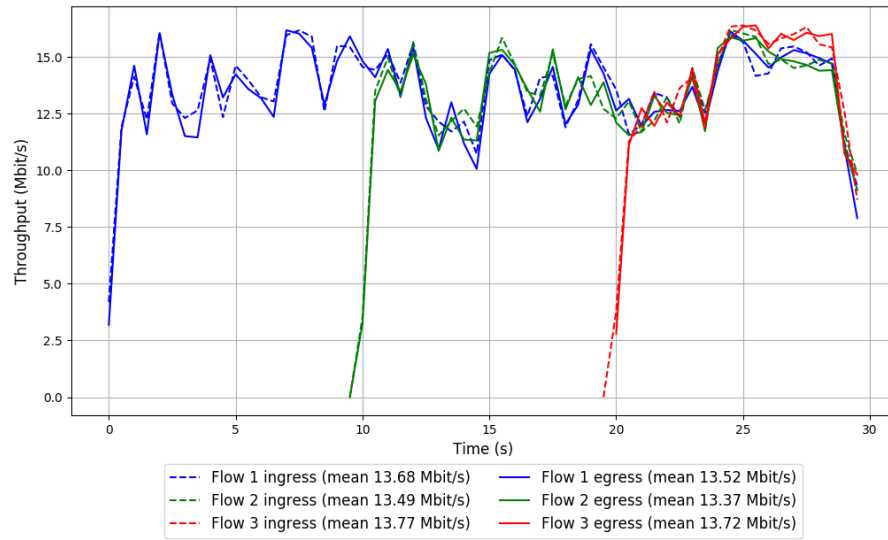


Run 2: Statistics of Sprout

Start at: 2018-02-28 00:42:09
End at: 2018-02-28 00:42:39
Local clock offset: -7.793 ms
Remote clock offset: -6.443 ms

Below is generated by plot.py at 2018-02-28 09:46:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.94 Mbit/s
95th percentile per-packet one-way delay: 34.091 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 33.803 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 34.159 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 13.72 Mbit/s
95th percentile per-packet one-way delay: 34.973 ms
Loss rate: 0.79%

Run 2: Report of Sprout — Data Link

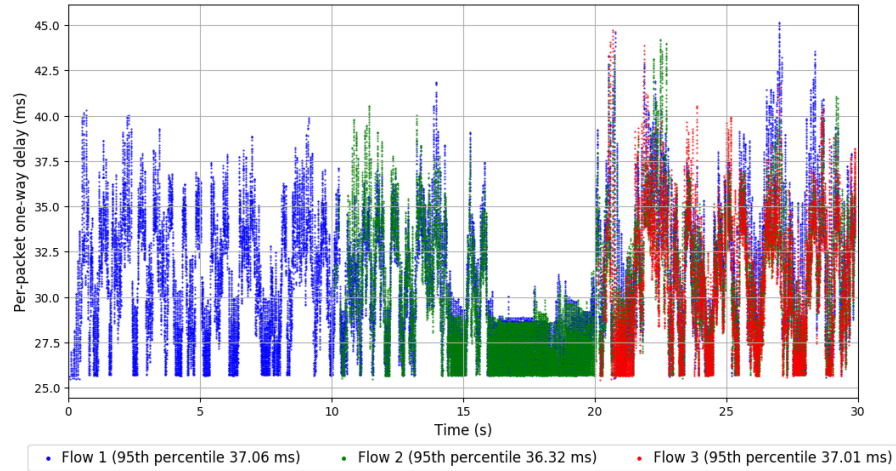
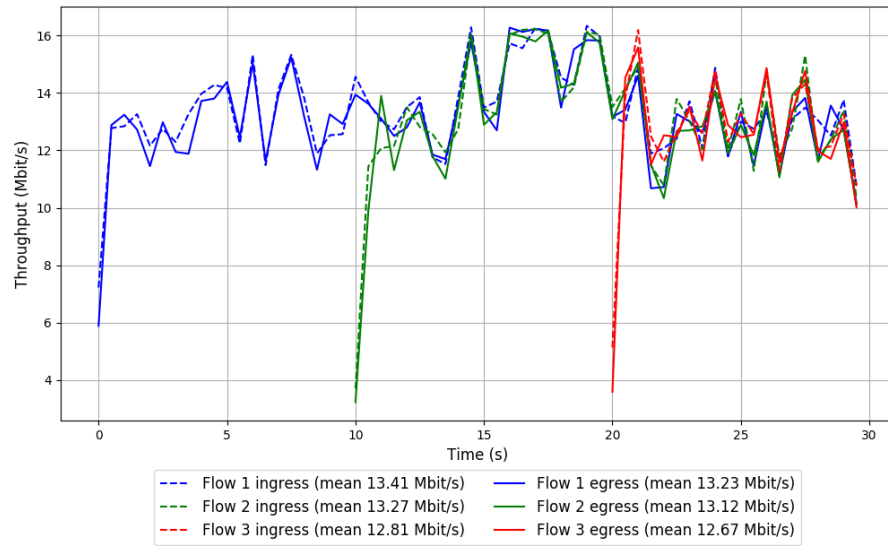


Run 3: Statistics of Sprout

Start at: 2018-02-28 01:09:48
End at: 2018-02-28 01:10:18
Local clock offset: -7.217 ms
Remote clock offset: -11.125 ms

```
# Below is generated by plot.py at 2018-02-28 09:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 26.12 Mbit/s
95th percentile per-packet one-way delay: 36.822 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 13.23 Mbit/s
95th percentile per-packet one-way delay: 37.058 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 36.317 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 37.011 ms
Loss rate: 1.60%
```

Run 3: Report of Sprout — Data Link

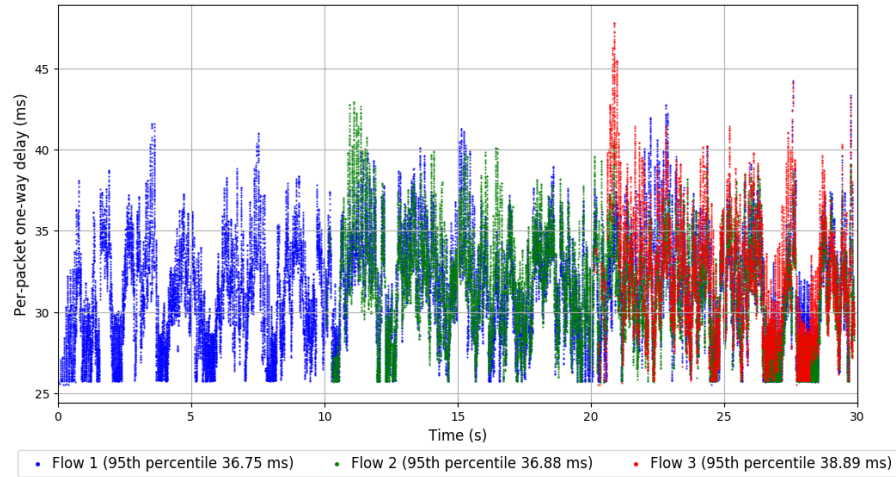
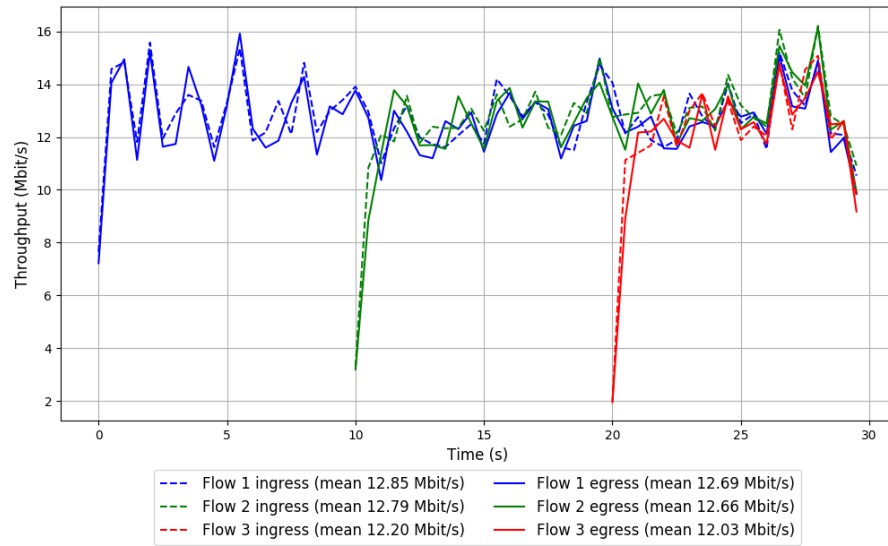


Run 4: Statistics of Sprout

Start at: 2018-02-28 01:37:40
End at: 2018-02-28 01:38:10
Local clock offset: 0.85 ms
Remote clock offset: -10.175 ms

```
# Below is generated by plot.py at 2018-02-28 09:46:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.06 Mbit/s
95th percentile per-packet one-way delay: 37.168 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 36.747 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: 36.878 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 38.894 ms
Loss rate: 1.95%
```

Run 4: Report of Sprout — Data Link

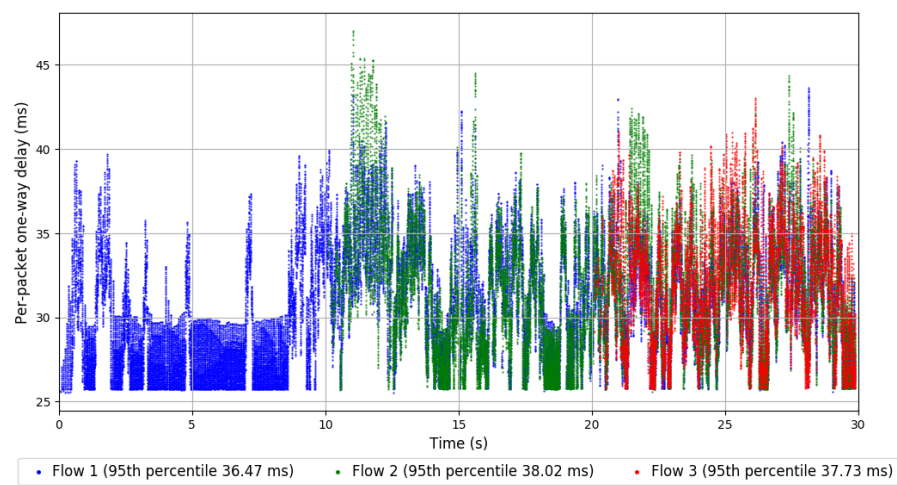
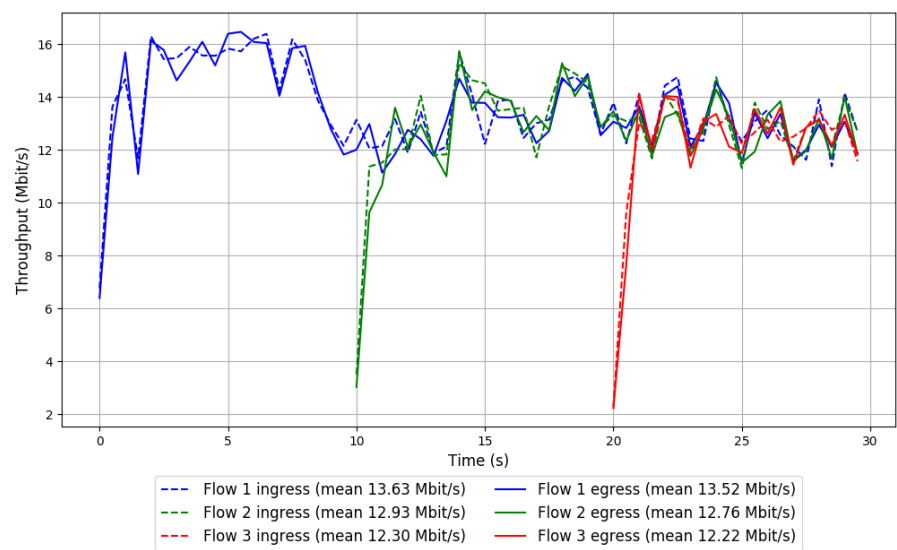


Run 5: Statistics of Sprout

Start at: 2018-02-28 02:04:30
End at: 2018-02-28 02:05:00
Local clock offset: 0.208 ms
Remote clock offset: -5.676 ms

Below is generated by plot.py at 2018-02-28 09:46:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 37.178 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 36.469 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 12.76 Mbit/s
95th percentile per-packet one-way delay: 38.025 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 37.728 ms
Loss rate: 1.05%

Run 5: Report of Sprout — Data Link

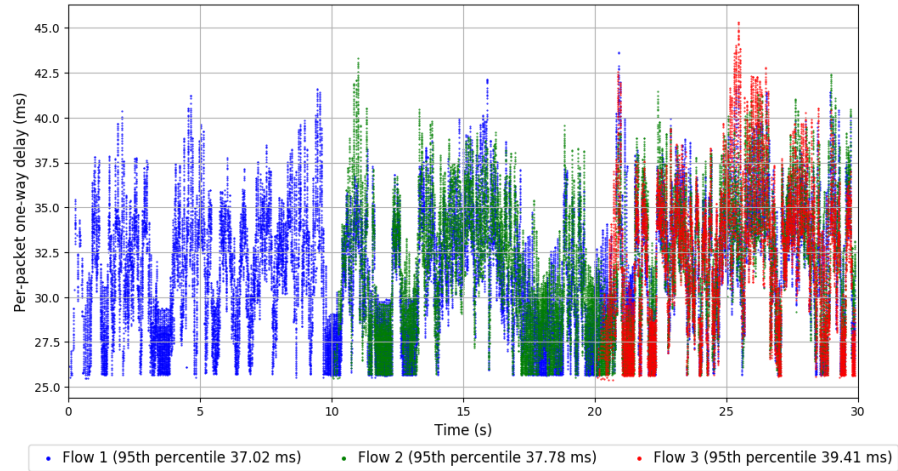
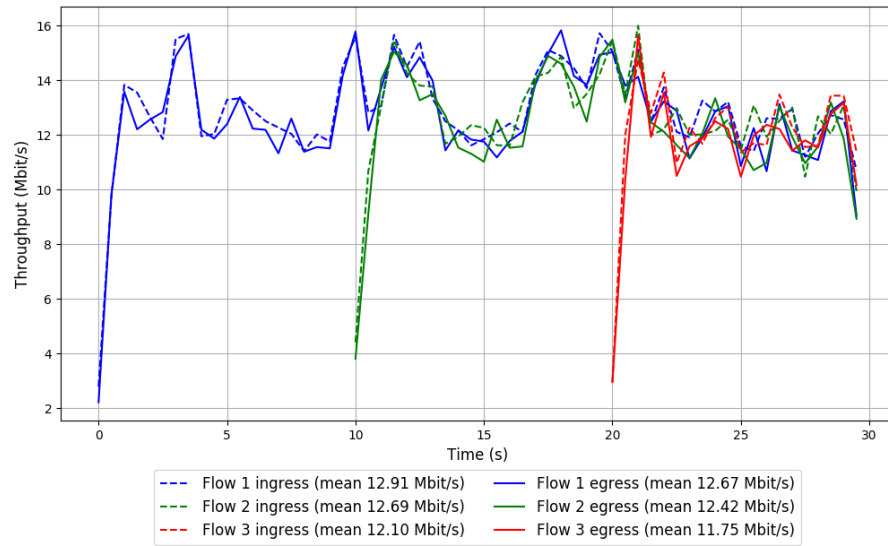


Run 6: Statistics of Sprout

Start at: 2018-02-28 02:32:58
End at: 2018-02-28 02:33:28
Local clock offset: -0.281 ms
Remote clock offset: -9.313 ms

Below is generated by plot.py at 2018-02-28 09:46:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 37.653 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 37.025 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 37.777 ms
Loss rate: 2.36%
-- Flow 3:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 39.410 ms
Loss rate: 3.43%

Run 6: Report of Sprout — Data Link

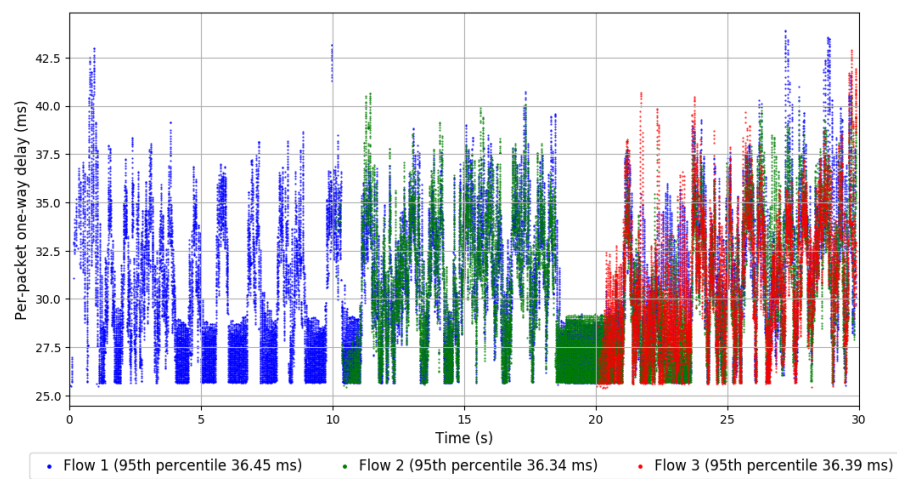
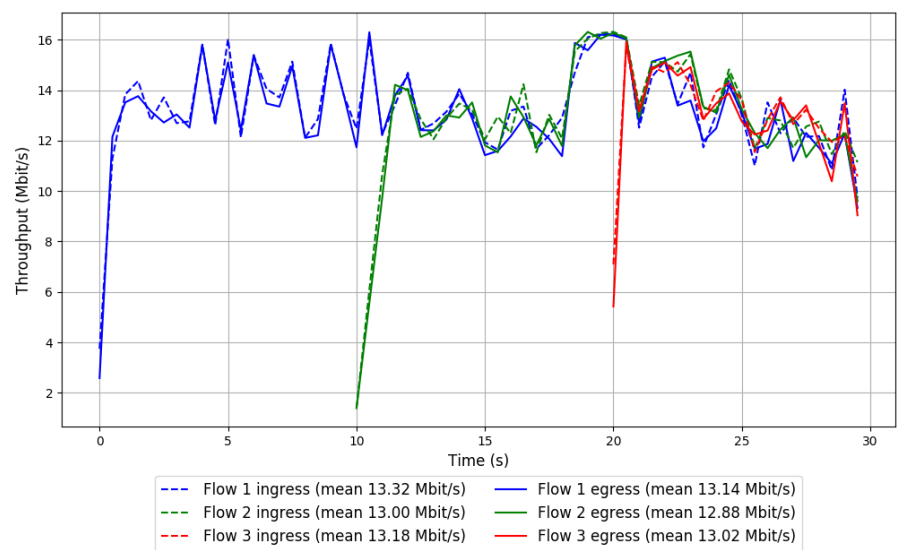


Run 7: Statistics of Sprout

Start at: 2018-02-28 03:01:04
End at: 2018-02-28 03:01:34
Local clock offset: -0.537 ms
Remote clock offset: -10.326 ms

Below is generated by plot.py at 2018-02-28 09:46:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.98 Mbit/s
95th percentile per-packet one-way delay: 36.399 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 36.450 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 36.343 ms
Loss rate: 1.28%
-- Flow 3:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 36.388 ms
Loss rate: 1.77%

Run 7: Report of Sprout — Data Link

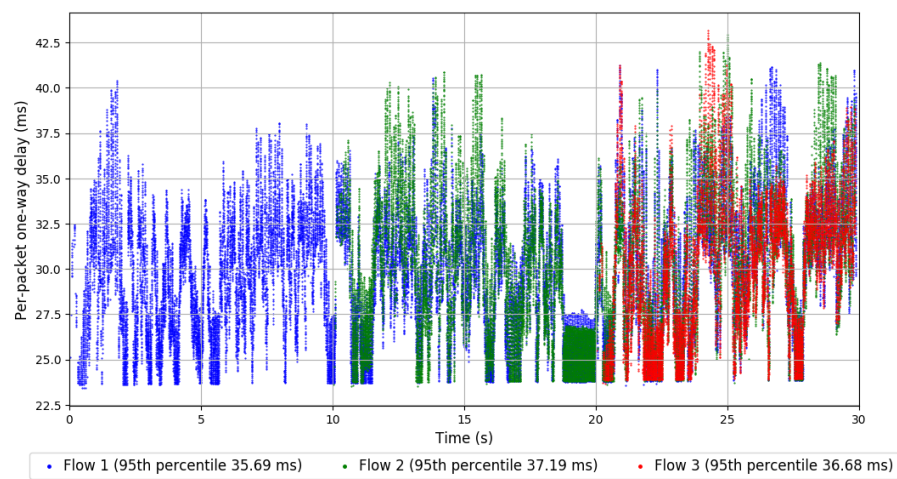
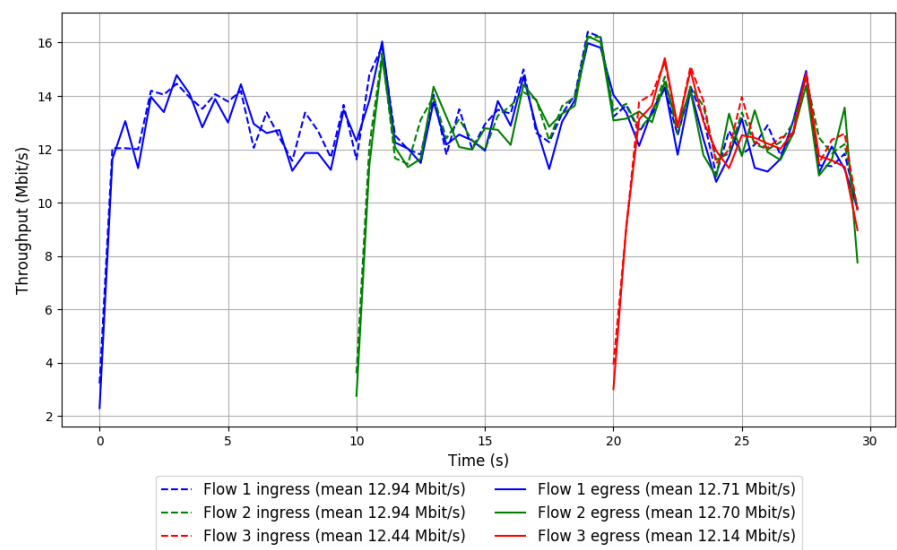


Run 8: Statistics of Sprout

Start at: 2018-02-28 03:29:46
End at: 2018-02-28 03:30:16
Local clock offset: -0.643 ms
Remote clock offset: -6.207 ms

```
# Below is generated by plot.py at 2018-02-28 09:46:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 36.411 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 35.687 ms
Loss rate: 1.84%
-- Flow 2:
Average throughput: 12.70 Mbit/s
95th percentile per-packet one-way delay: 37.191 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 36.684 ms
Loss rate: 2.74%
```

Run 8: Report of Sprout — Data Link

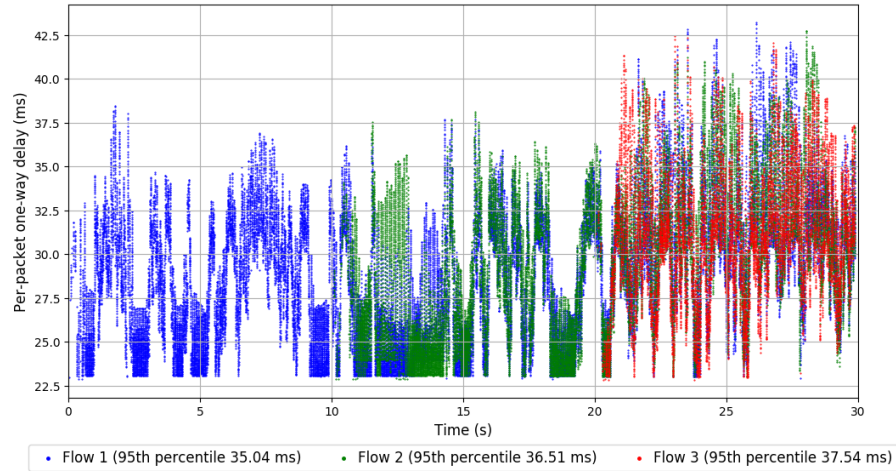
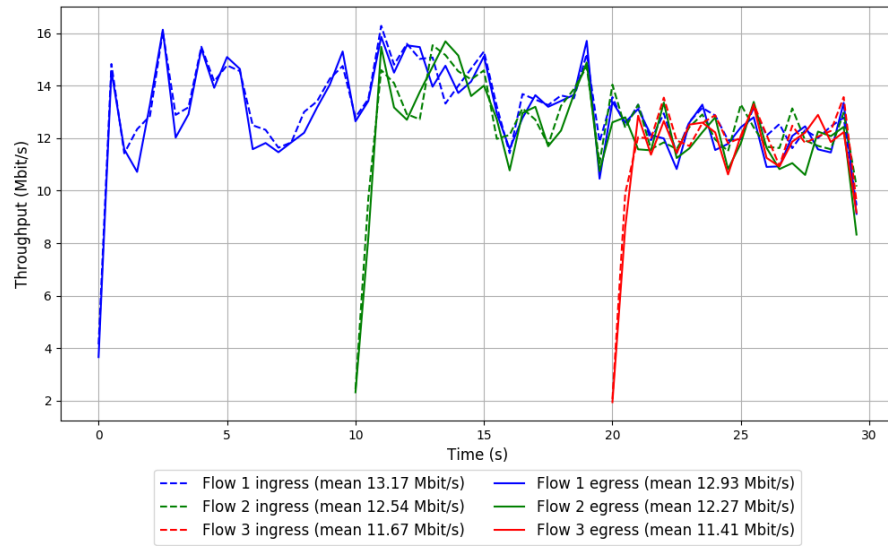


Run 9: Statistics of Sprout

Start at: 2018-02-28 03:59:11
End at: 2018-02-28 03:59:41
Local clock offset: 1.345 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-02-28 09:46:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 36.158 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 35.040 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 36.505 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 37.537 ms
Loss rate: 2.61%

Run 9: Report of Sprout — Data Link

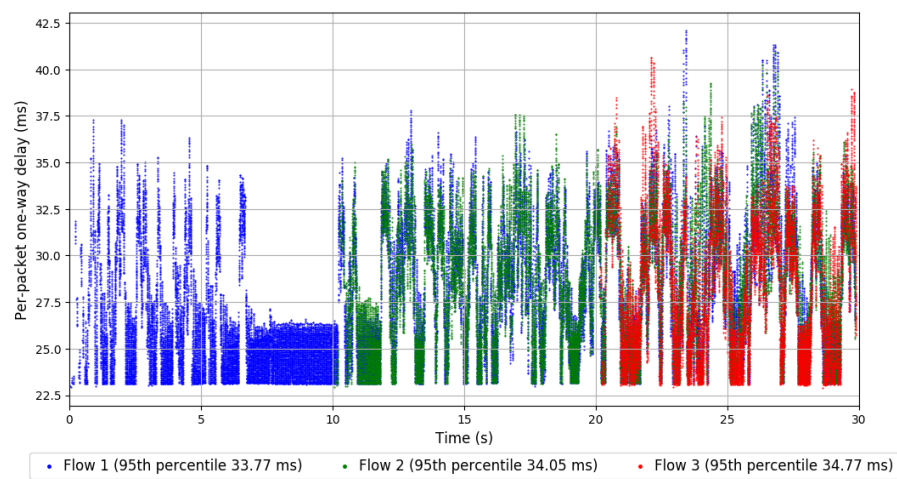
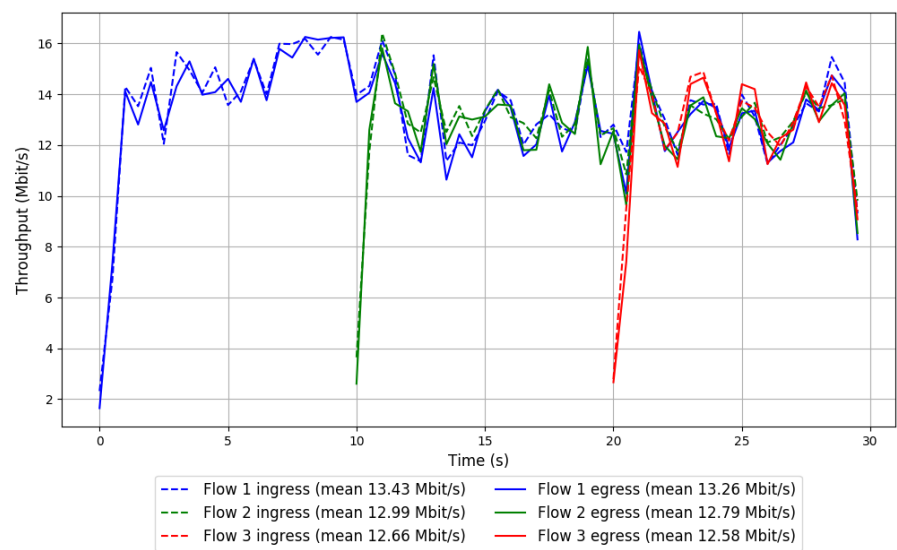


Run 10: Statistics of Sprout

Start at: 2018-02-28 04:29:43
End at: 2018-02-28 04:30:13
Local clock offset: -6.552 ms
Remote clock offset: -6.147 ms

Below is generated by plot.py at 2018-02-28 09:46:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.87 Mbit/s
95th percentile per-packet one-way delay: 34.028 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 13.26 Mbit/s
95th percentile per-packet one-way delay: 33.771 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 34.051 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 12.58 Mbit/s
95th percentile per-packet one-way delay: 34.773 ms
Loss rate: 1.68%

Run 10: Report of Sprout — Data Link

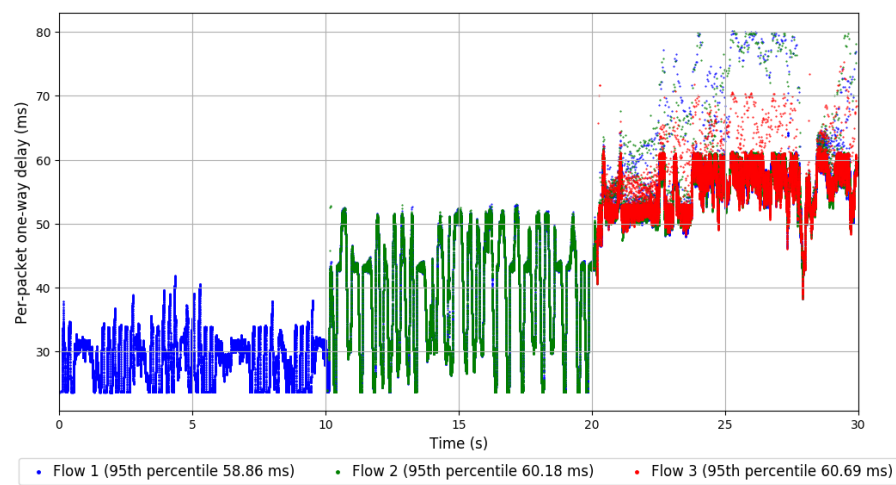
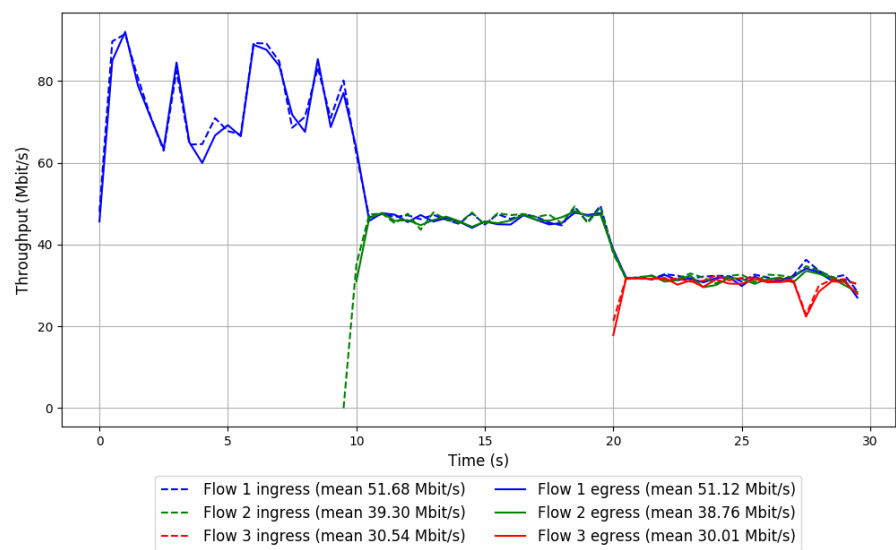


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-28 00:18:48
End at: 2018-02-28 00:19:18
Local clock offset: -5.399 ms
Remote clock offset: -3.103 ms

# Below is generated by plot.py at 2018-02-28 09:48:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 59.960 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 58.864 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 60.183 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 60.685 ms
Loss rate: 2.65%
```

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

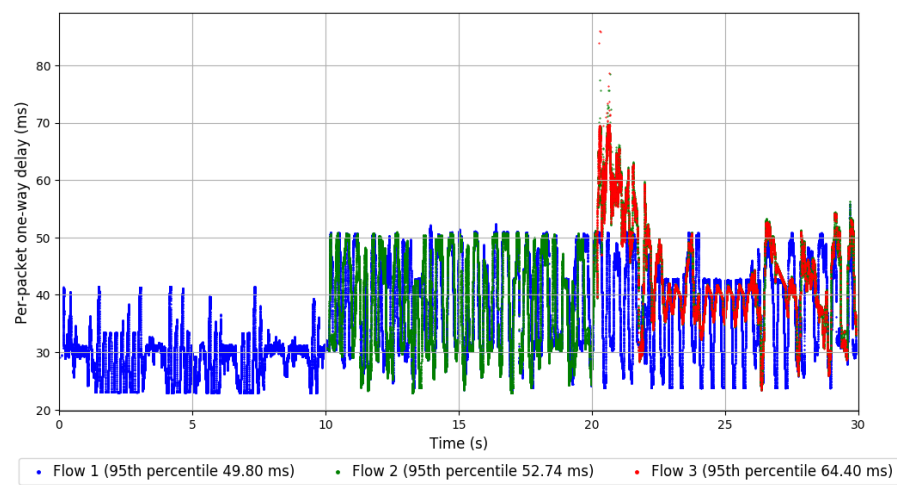
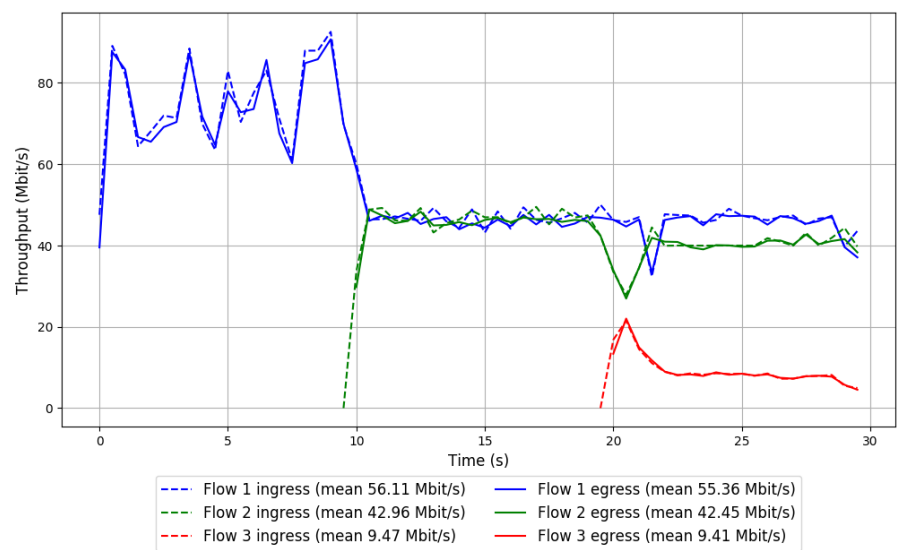


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-28 00:46:15
End at: 2018-02-28 00:46:45
Local clock offset: -7.274 ms
Remote clock offset: -7.167 ms

Below is generated by plot.py at 2018-02-28 09:48:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 49.795 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 52.738 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 64.404 ms
Loss rate: 1.40%

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

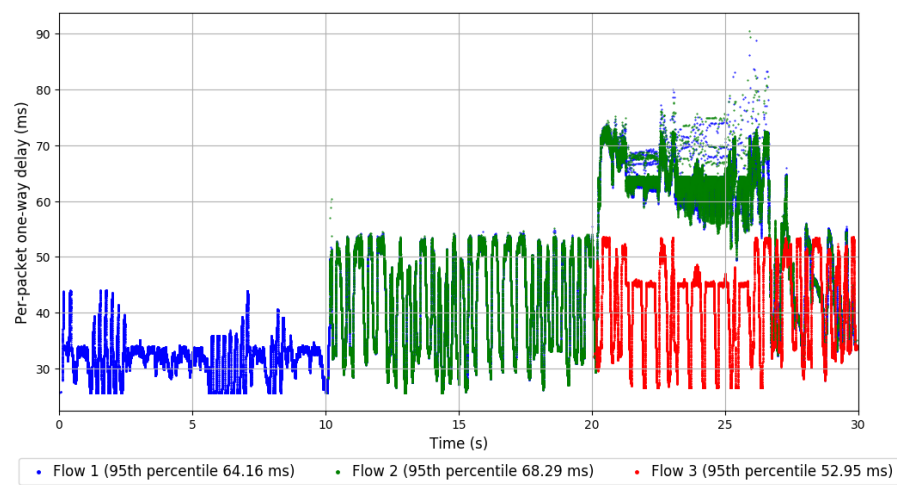
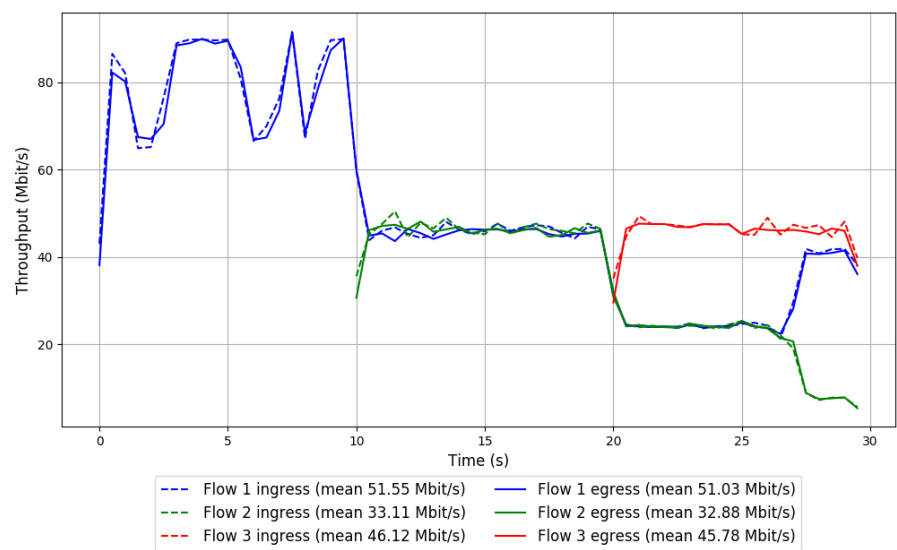


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-28 01:13:49
End at: 2018-02-28 01:14:19
Local clock offset: -7.394 ms
Remote clock offset: -11.071 ms

Below is generated by plot.py at 2018-02-28 09:48:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: 64.286 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 51.03 Mbit/s
95th percentile per-packet one-way delay: 64.164 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 68.288 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 52.949 ms
Loss rate: 1.34%

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

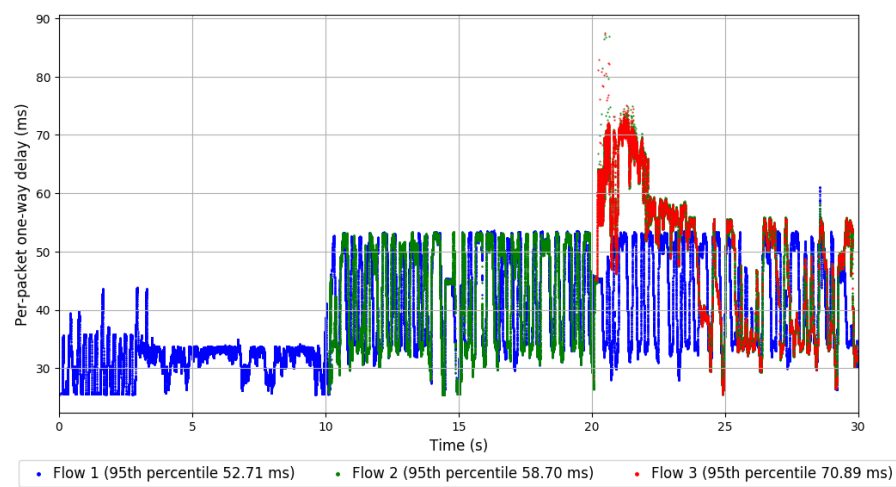
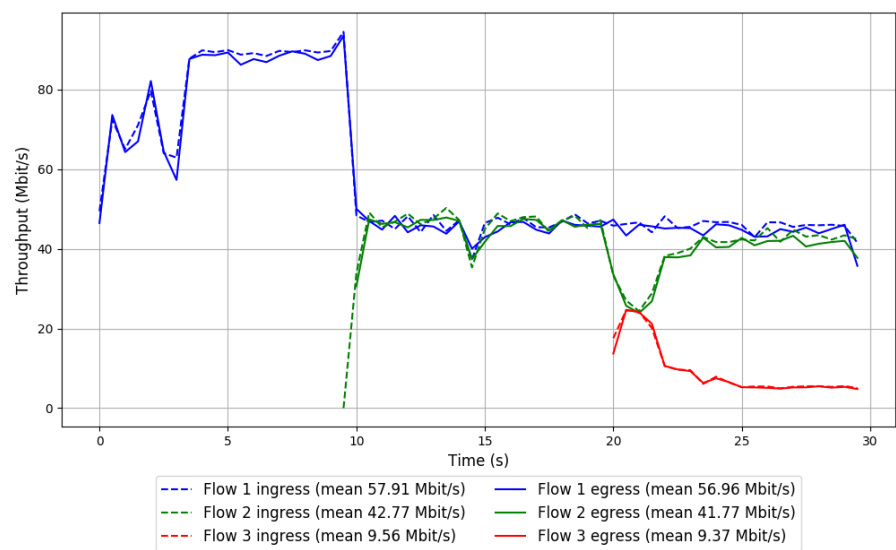


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-28 01:41:44
End at: 2018-02-28 01:42:15
Local clock offset: 1.446 ms
Remote clock offset: -9.801 ms

Below is generated by plot.py at 2018-02-28 09:48:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 55.484 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 56.96 Mbit/s
95th percentile per-packet one-way delay: 52.711 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 41.77 Mbit/s
95th percentile per-packet one-way delay: 58.703 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 70.887 ms
Loss rate: 2.50%

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

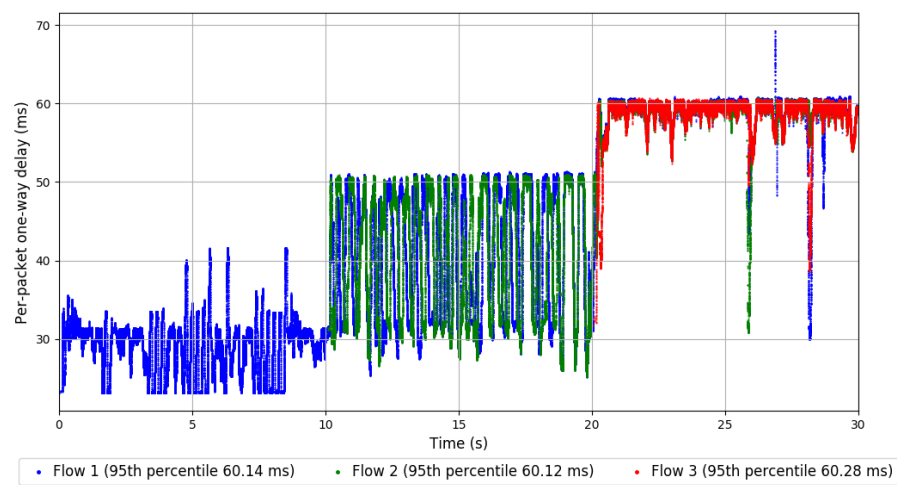
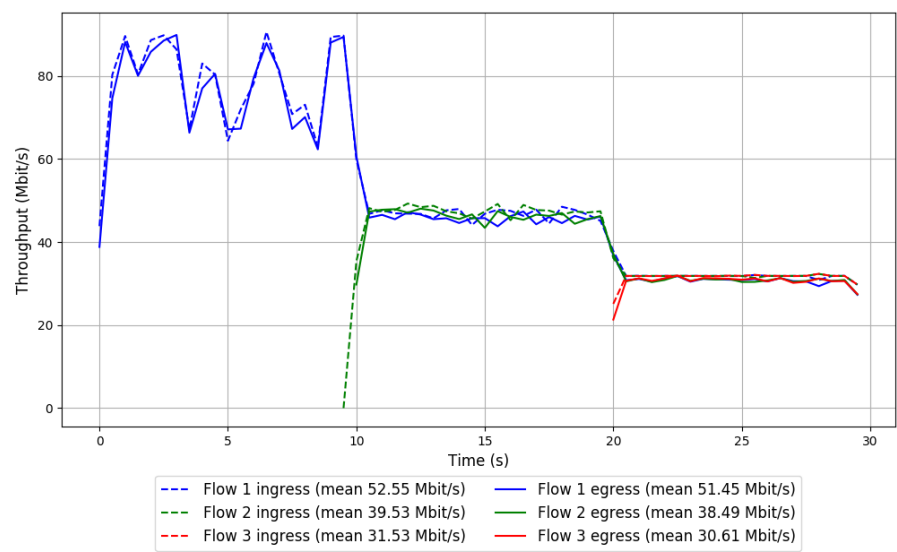


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-28 02:08:36
End at: 2018-02-28 02:09:06
Local clock offset: 0.189 ms
Remote clock offset: -2.834 ms

Below is generated by plot.py at 2018-02-28 09:48:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 60.175 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 60.144 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 60.125 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 60.281 ms
Loss rate: 3.65%

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

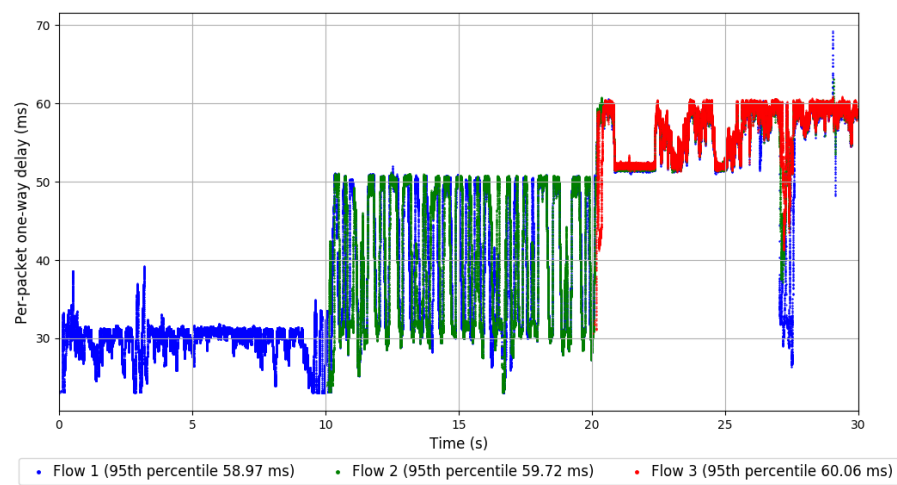
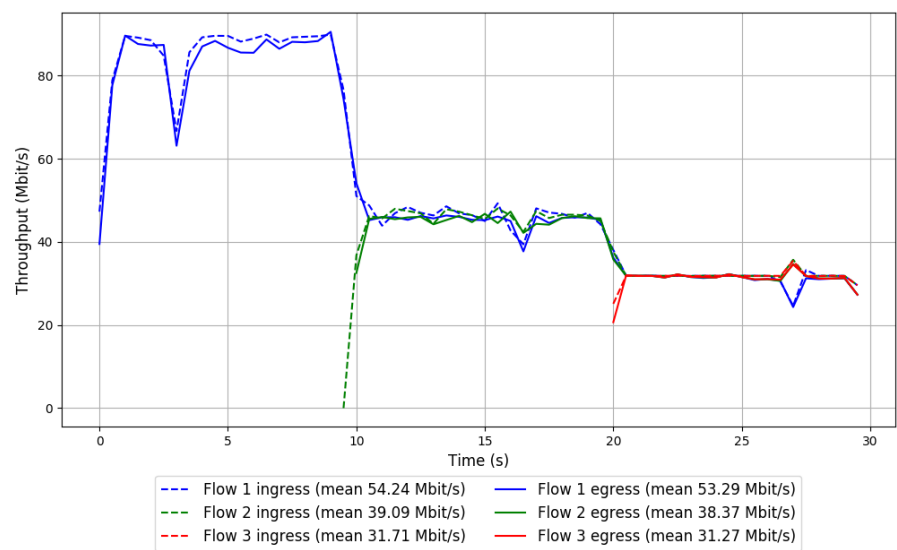


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-28 02:37:00
End at: 2018-02-28 02:37:30
Local clock offset: -0.389 ms
Remote clock offset: -7.228 ms

Below is generated by plot.py at 2018-02-28 09:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 59.616 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 58.967 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 59.715 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 60.062 ms
Loss rate: 2.01%

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

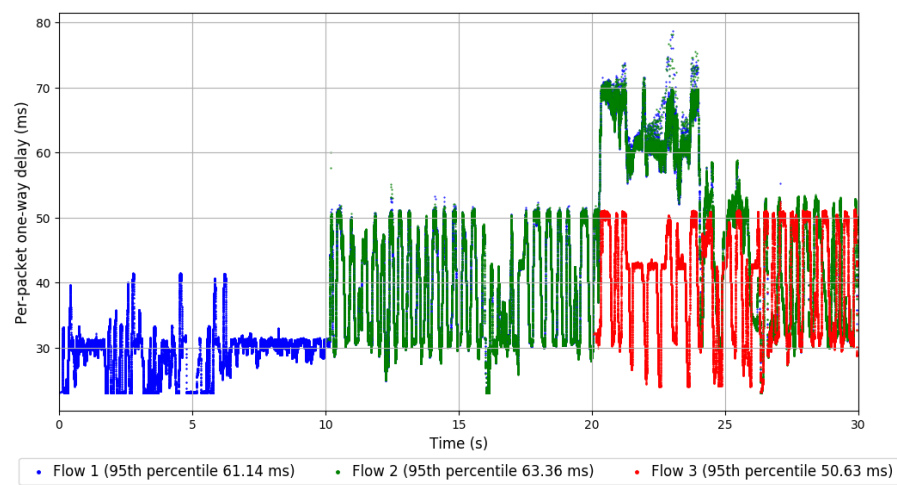
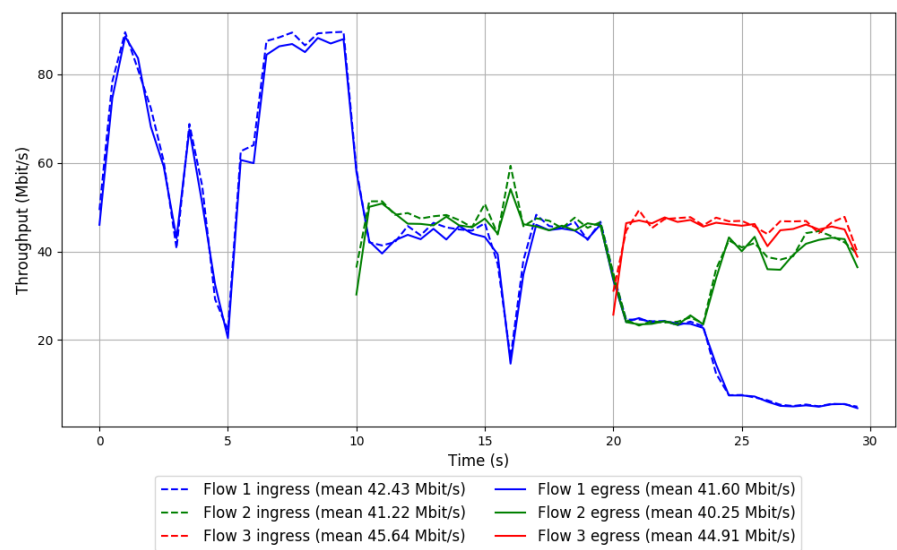


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-28 03:05:07
End at: 2018-02-28 03:05:37
Local clock offset: -0.63 ms
Remote clock offset: -7.908 ms

Below is generated by plot.py at 2018-02-28 09:48:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 61.136 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 41.60 Mbit/s
95th percentile per-packet one-way delay: 61.140 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 40.25 Mbit/s
95th percentile per-packet one-way delay: 63.358 ms
Loss rate: 2.65%
-- Flow 3:
Average throughput: 44.91 Mbit/s
95th percentile per-packet one-way delay: 50.632 ms
Loss rate: 2.17%

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

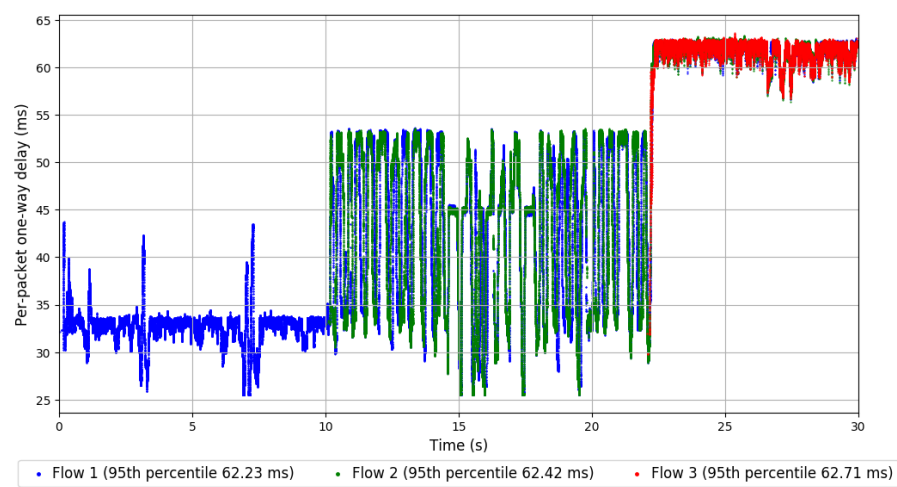
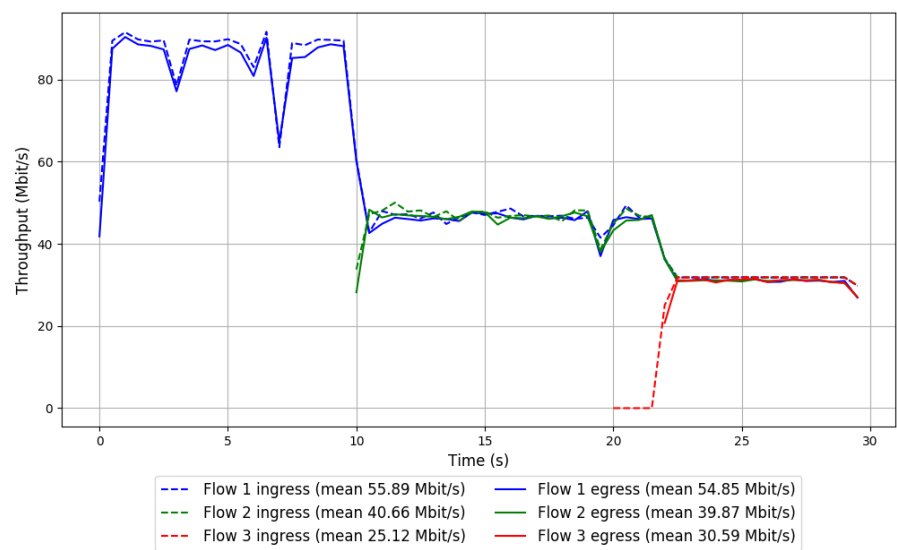


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-28 03:33:56
End at: 2018-02-28 03:34:26
Local clock offset: -0.432 ms
Remote clock offset: -6.509 ms

Below is generated by plot.py at 2018-02-28 09:49:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 62.441 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 54.85 Mbit/s
95th percentile per-packet one-way delay: 62.234 ms
Loss rate: 2.10%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 62.423 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 62.707 ms
Loss rate: 3.62%

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

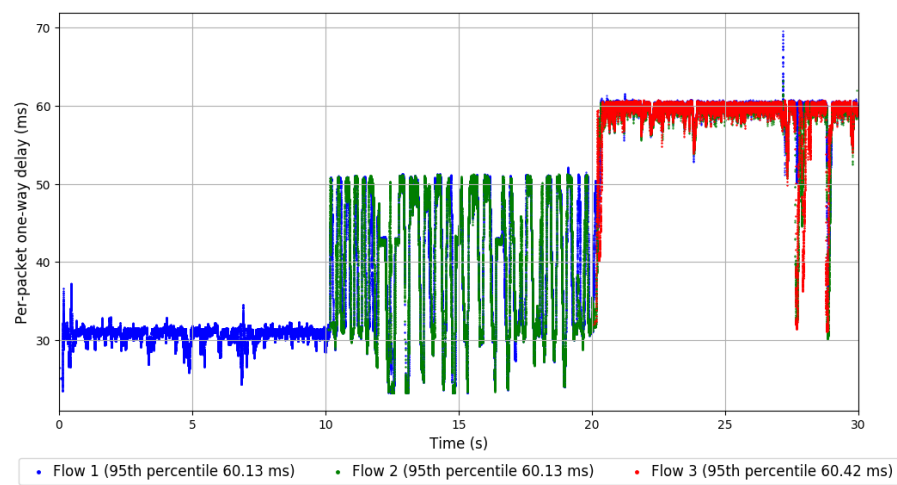
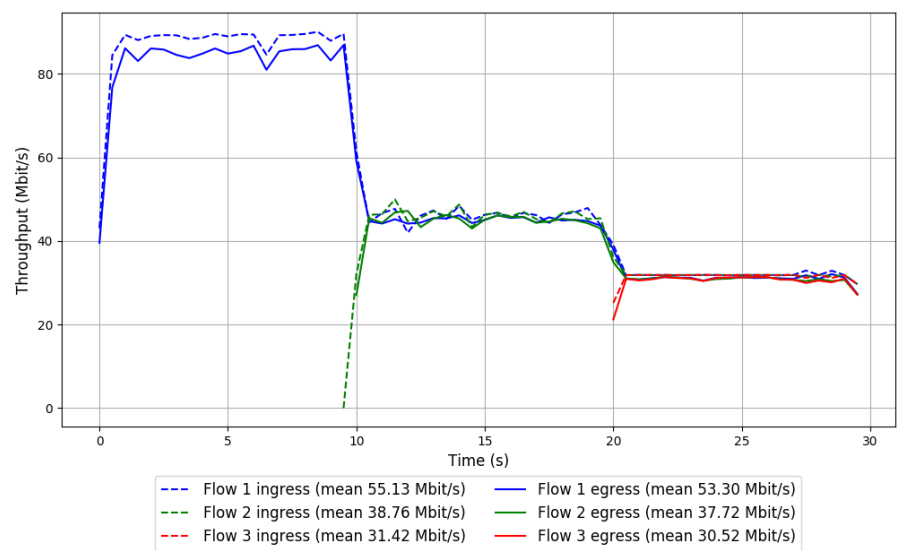


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-28 04:03:16
End at: 2018-02-28 04:03:46
Local clock offset: 1.396 ms
Remote clock offset: -3.009 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 60.224 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 53.30 Mbit/s
95th percentile per-packet one-way delay: 60.134 ms
Loss rate: 3.54%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 60.131 ms
Loss rate: 2.97%
-- Flow 3:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 60.422 ms
Loss rate: 3.59%

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

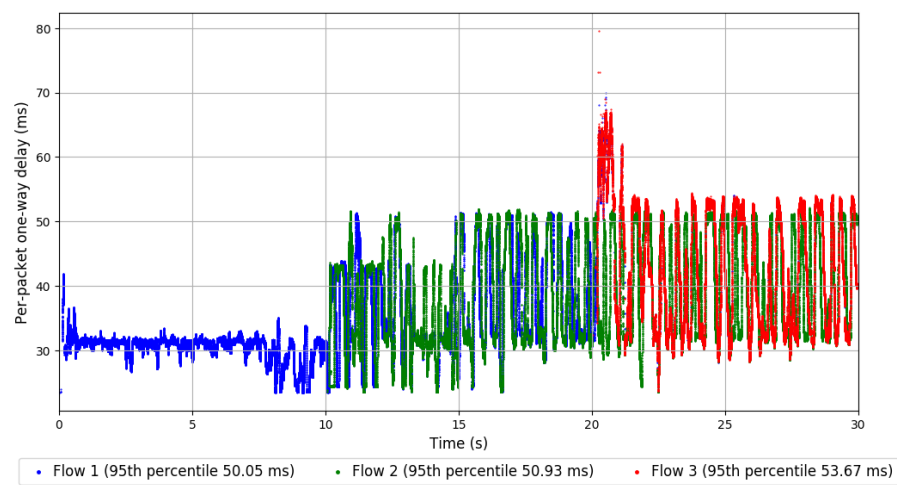
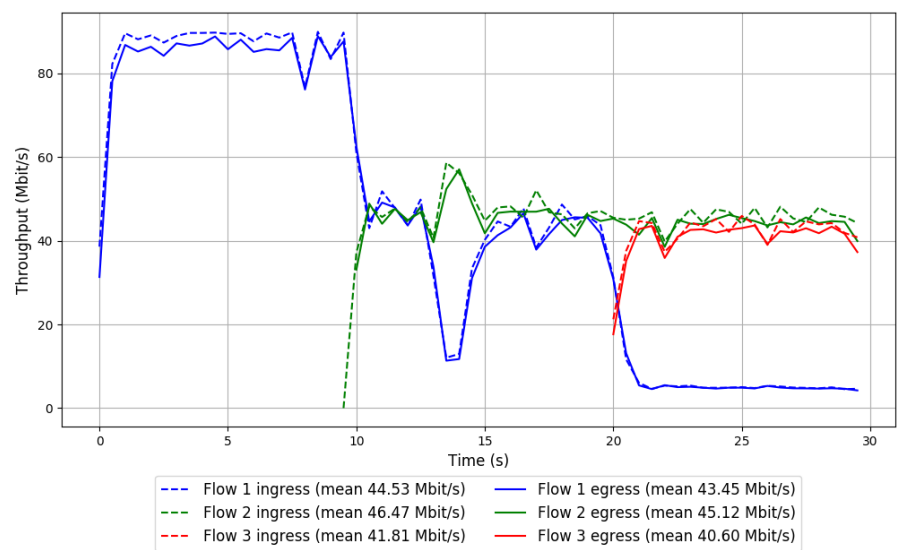


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-28 04:33:48
End at: 2018-02-28 04:34:18
Local clock offset: -6.977 ms
Remote clock offset: -6.707 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.91 Mbit/s
95th percentile per-packet one-way delay: 51.564 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 50.055 ms
Loss rate: 2.59%
-- Flow 2:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 50.930 ms
Loss rate: 3.20%
-- Flow 3:
Average throughput: 40.60 Mbit/s
95th percentile per-packet one-way delay: 53.666 ms
Loss rate: 3.50%

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

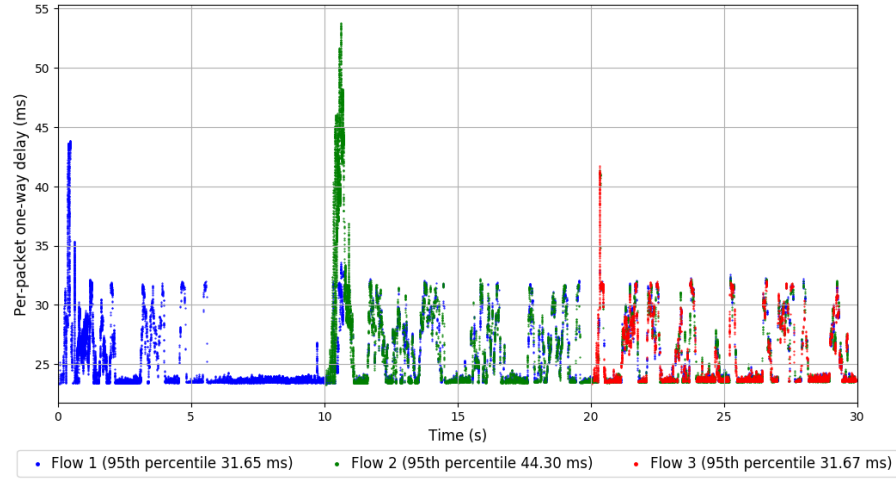
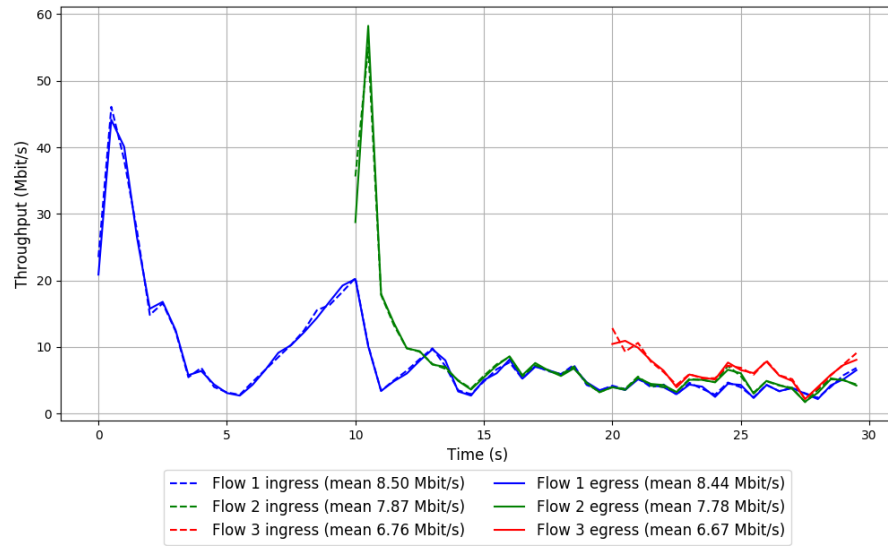


Run 1: Statistics of TCP Vegas

Start at: 2018-02-28 00:16:05
End at: 2018-02-28 00:16:35
Local clock offset: -4.814 ms
Remote clock offset: -2.951 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 39.061 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 31.647 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 44.304 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 31.670 ms
Loss rate: 1.86%

Run 1: Report of TCP Vegas — Data Link

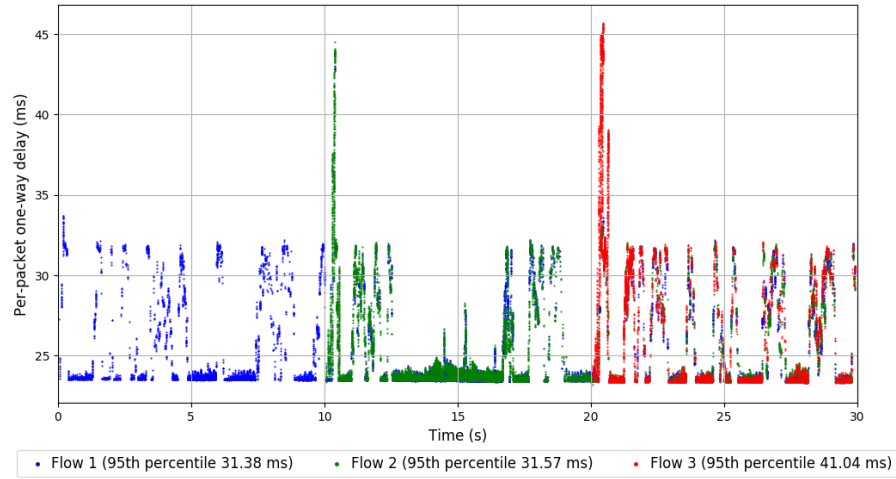
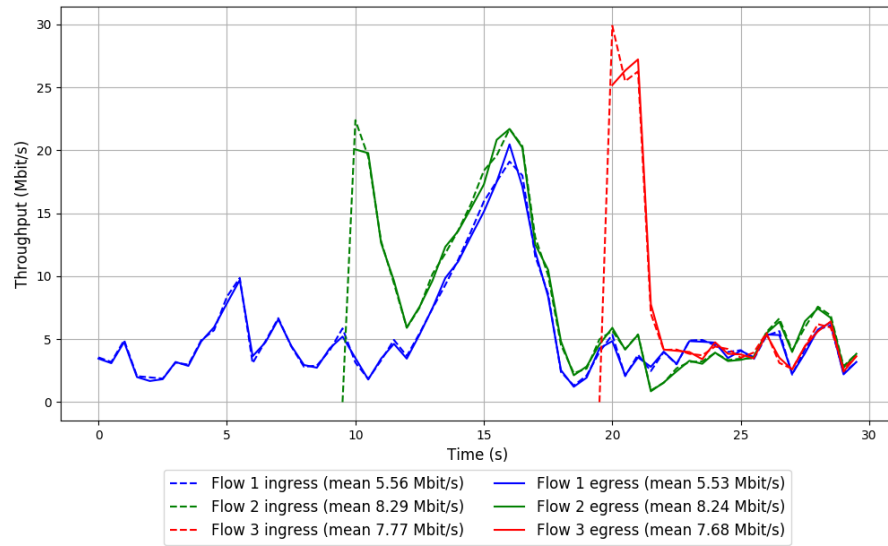


Run 2: Statistics of TCP Vegas

Start at: 2018-02-28 00:43:31
End at: 2018-02-28 00:44:01
Local clock offset: -7.565 ms
Remote clock offset: -6.956 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 31.726 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 31.382 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 31.574 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 41.038 ms
Loss rate: 1.74%

Run 2: Report of TCP Vegas — Data Link

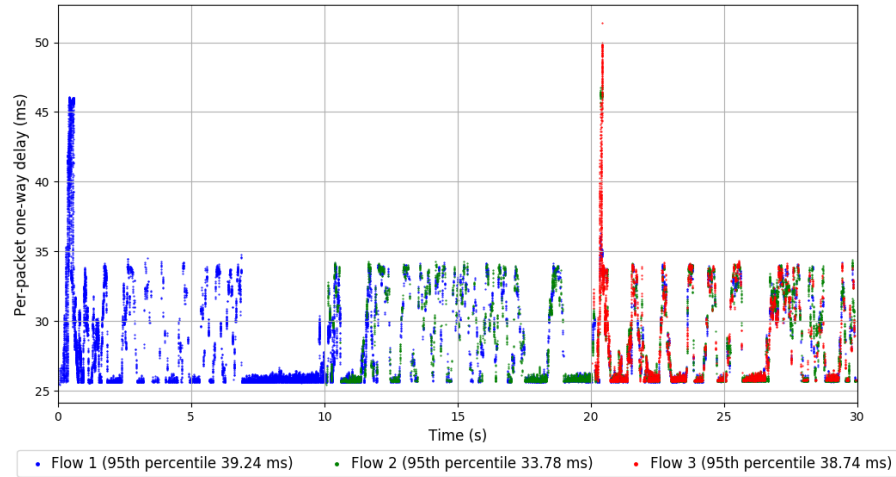
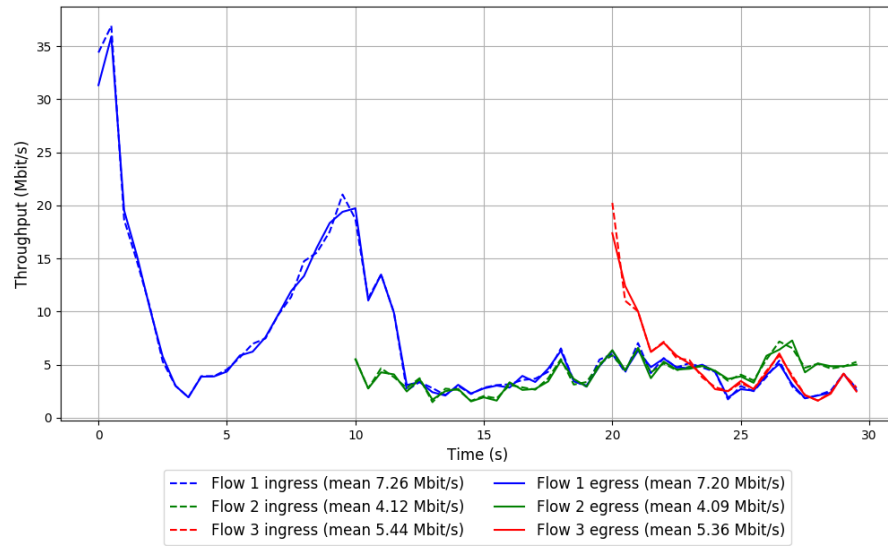


Run 3: Statistics of TCP Vegas

Start at: 2018-02-28 01:11:08
End at: 2018-02-28 01:11:38
Local clock offset: -7.374 ms
Remote clock offset: -11.167 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 35.098 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 39.245 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 33.783 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 38.737 ms
Loss rate: 1.98%

Run 3: Report of TCP Vegas — Data Link

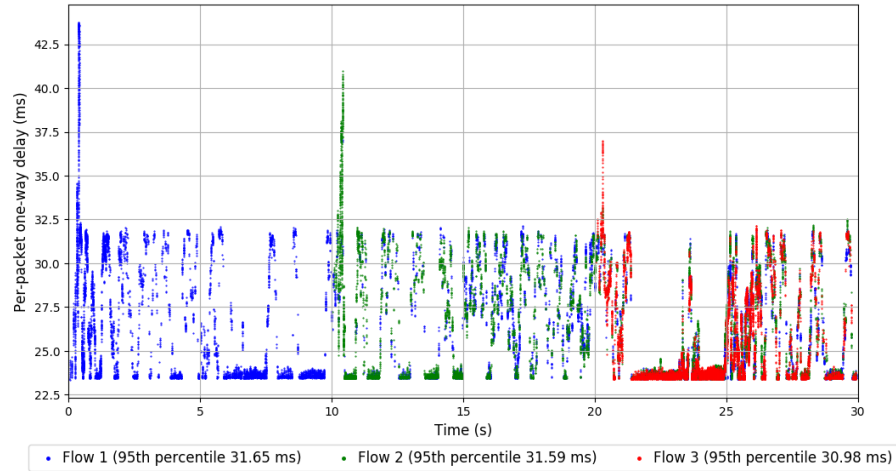
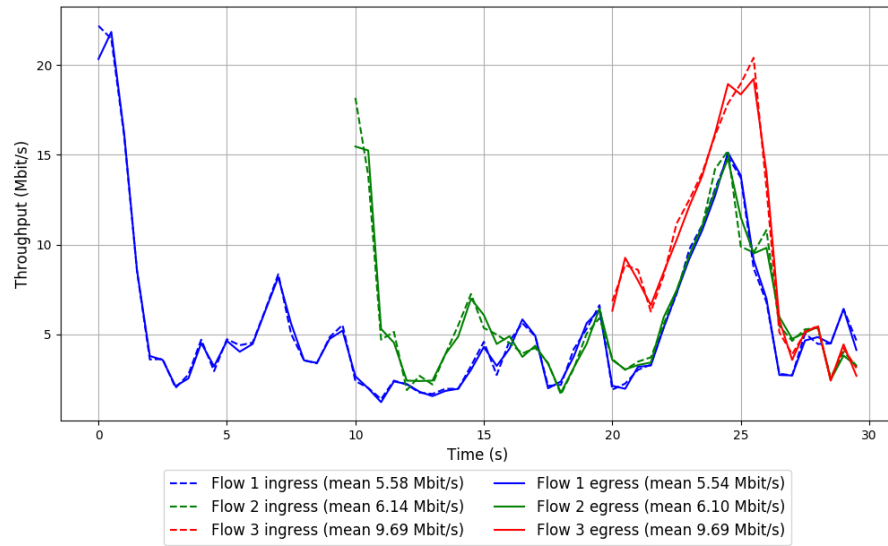


Run 4: Statistics of TCP Vegas

Start at: 2018-02-28 01:39:00
End at: 2018-02-28 01:39:30
Local clock offset: 1.042 ms
Remote clock offset: -7.802 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 31.577 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 31.649 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 31.589 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 9.69 Mbit/s
95th percentile per-packet one-way delay: 30.981 ms
Loss rate: 0.61%

Run 4: Report of TCP Vegas — Data Link

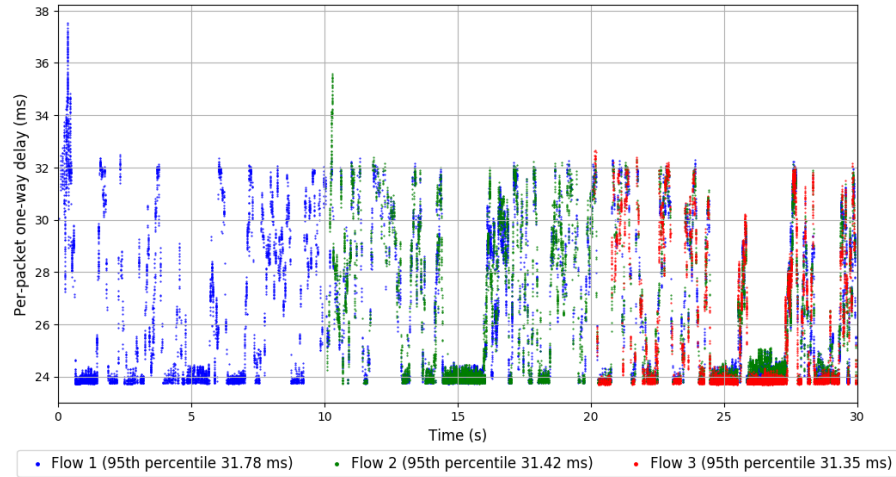
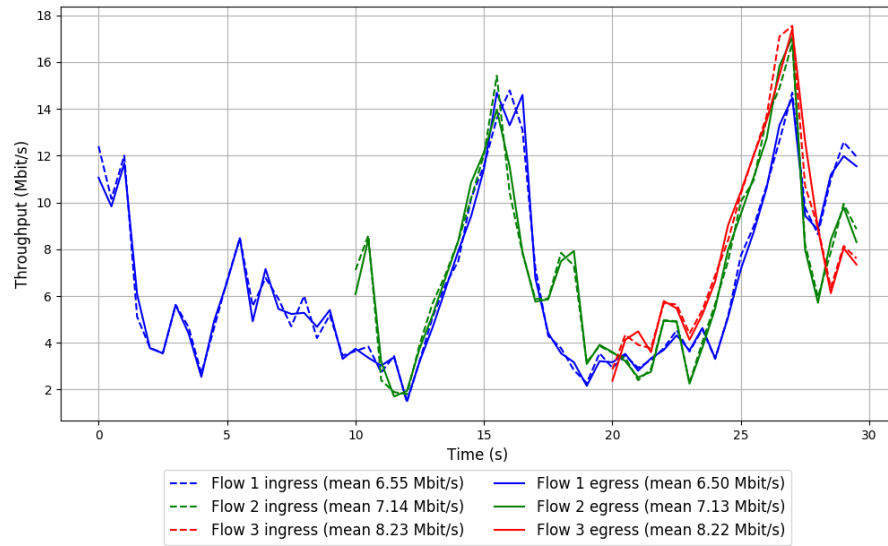


Run 5: Statistics of TCP Vegas

Start at: 2018-02-28 02:05:53
End at: 2018-02-28 02:06:23
Local clock offset: 0.21 ms
Remote clock offset: -3.514 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.95 Mbit/s
95th percentile per-packet one-way delay: 31.596 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 6.50 Mbit/s
95th percentile per-packet one-way delay: 31.782 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 31.416 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 31.354 ms
Loss rate: 0.66%

Run 5: Report of TCP Vegas — Data Link

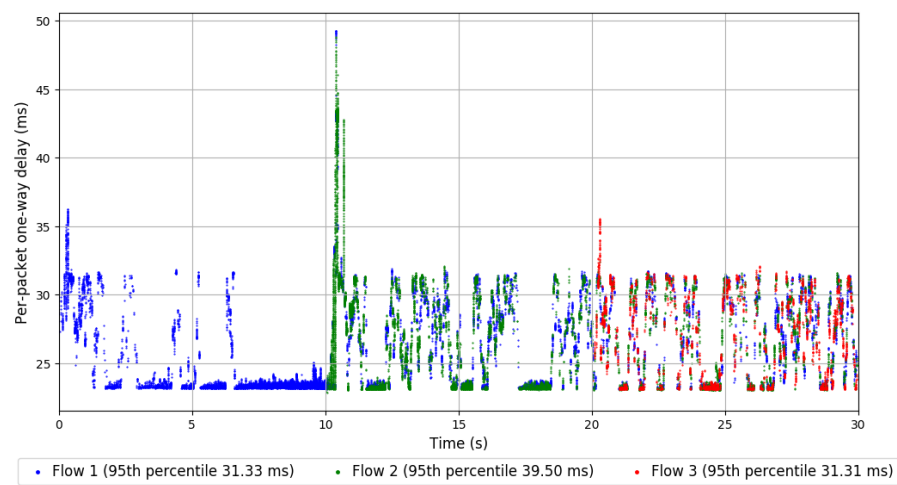
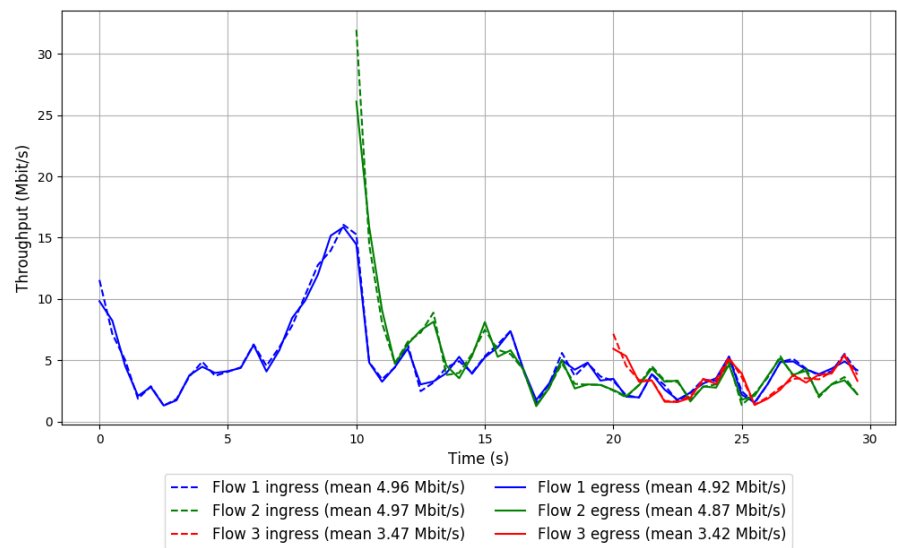


Run 6: Statistics of TCP Vegas

Start at: 2018-02-28 02:34:20
End at: 2018-02-28 02:34:50
Local clock offset: -0.328 ms
Remote clock offset: -6.939 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 31.565 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 31.326 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 39.503 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 3.42 Mbit/s
95th percentile per-packet one-way delay: 31.306 ms
Loss rate: 2.02%

Run 6: Report of TCP Vegas — Data Link

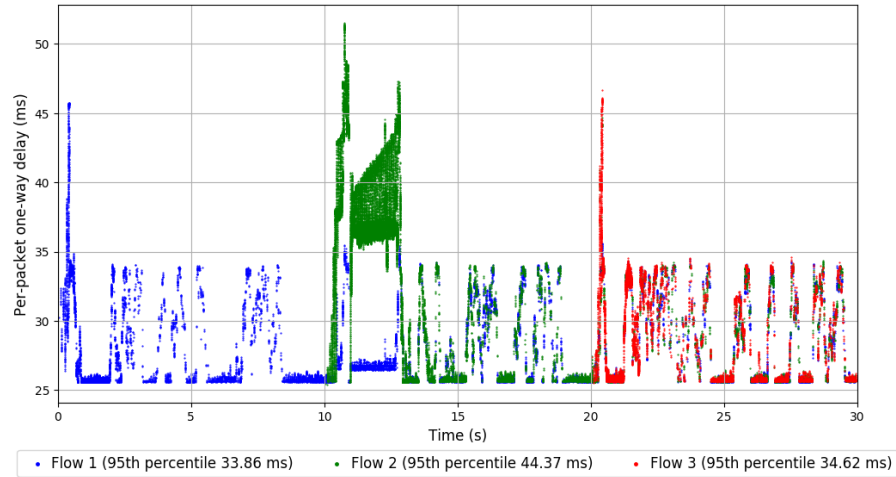
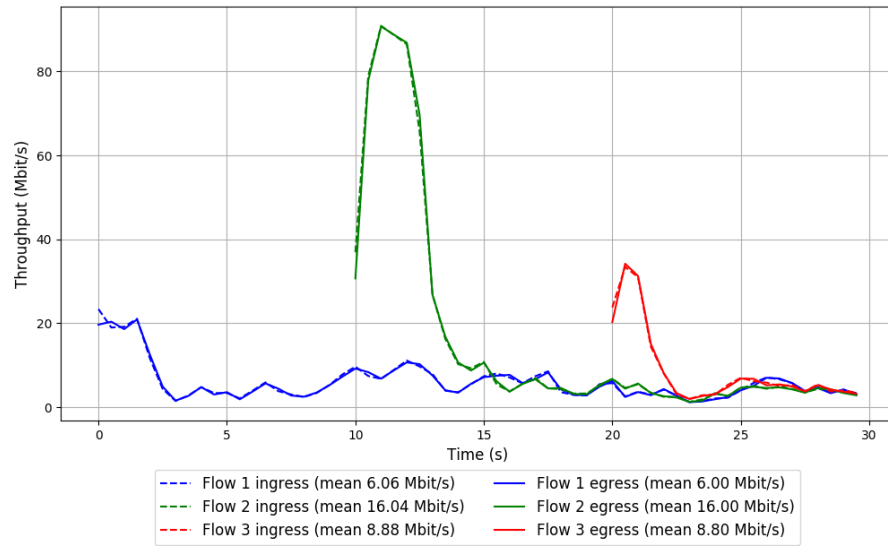


Run 7: Statistics of TCP Vegas

Start at: 2018-02-28 03:02:24
End at: 2018-02-28 03:02:54
Local clock offset: -0.591 ms
Remote clock offset: -10.339 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.55 Mbit/s
95th percentile per-packet one-way delay: 43.059 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 6.00 Mbit/s
95th percentile per-packet one-way delay: 33.856 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 44.365 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 34.620 ms
Loss rate: 1.41%

Run 7: Report of TCP Vegas — Data Link

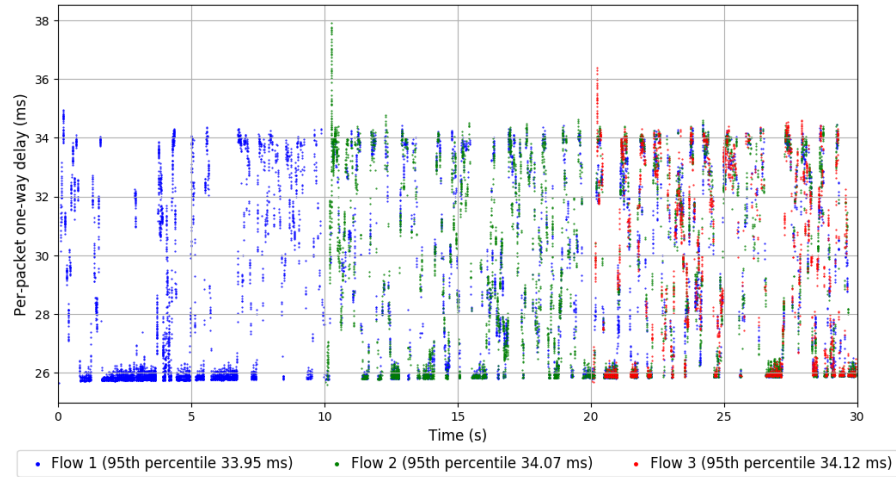
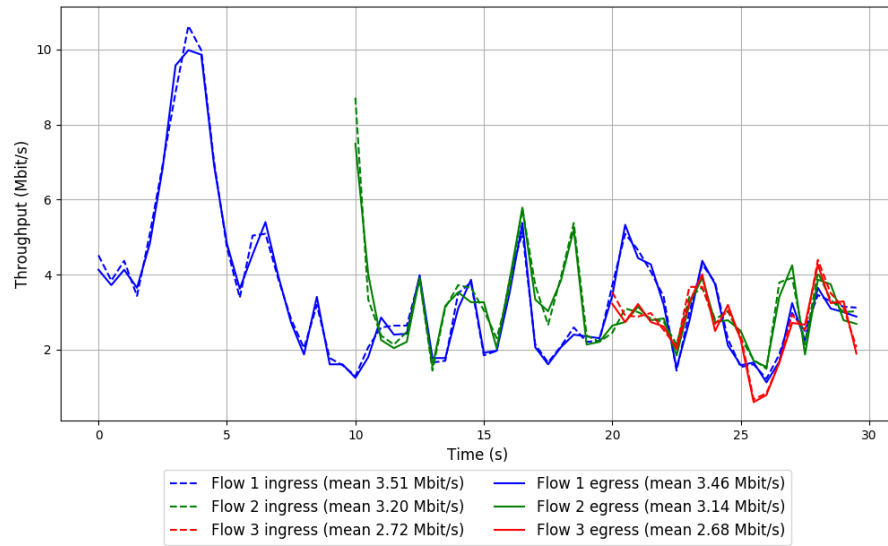


Run 8: Statistics of TCP Vegas

Start at: 2018-02-28 03:31:13
End at: 2018-02-28 03:31:43
Local clock offset: -0.61 ms
Remote clock offset: -7.601 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 34.022 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 33.950 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 34.071 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 34.124 ms
Loss rate: 2.13%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-02-28 04:00:35

End at: 2018-02-28 04:01:05

Local clock offset: 1.394 ms

Remote clock offset: -4.2 ms

Below is generated by plot.py at 2018-02-28 09:51:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.93 Mbit/s

95th percentile per-packet one-way delay: 33.716 ms

Loss rate: 1.73%

-- Flow 1:

Average throughput: 3.05 Mbit/s

95th percentile per-packet one-way delay: 33.692 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 33.810 ms

Loss rate: 1.97%

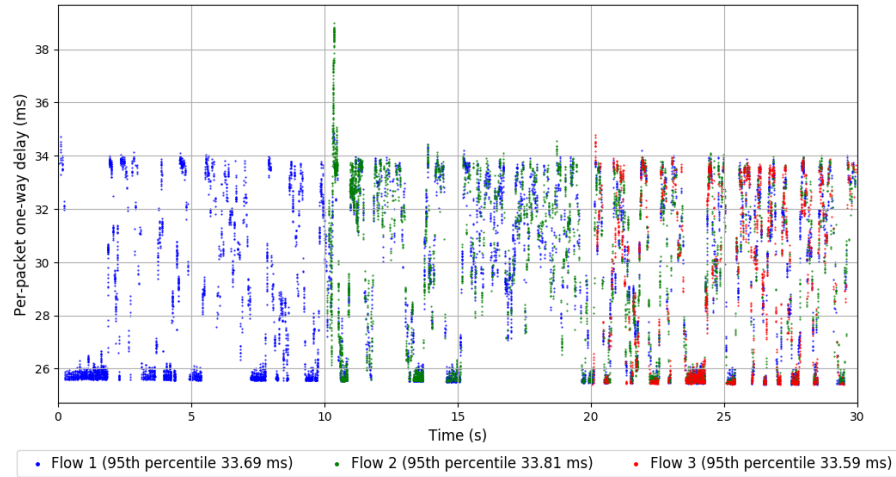
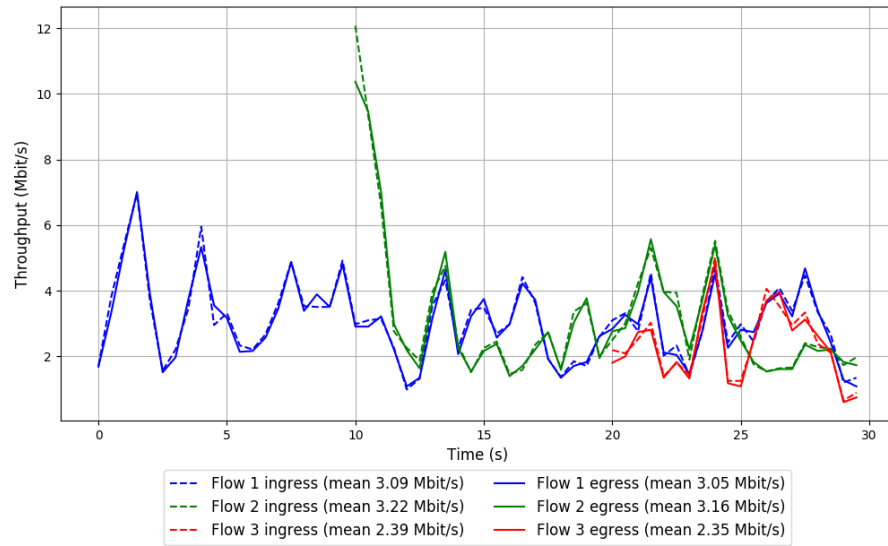
-- Flow 3:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 33.592 ms

Loss rate: 2.17%

Run 9: Report of TCP Vegas — Data Link

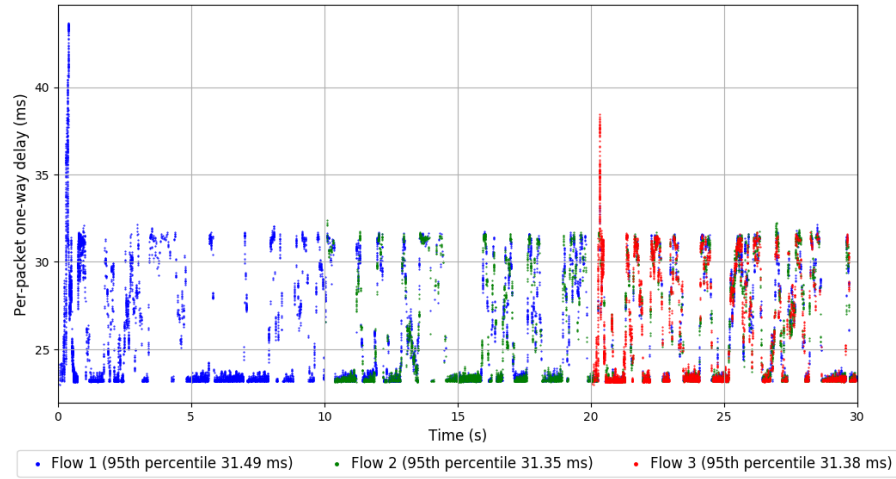
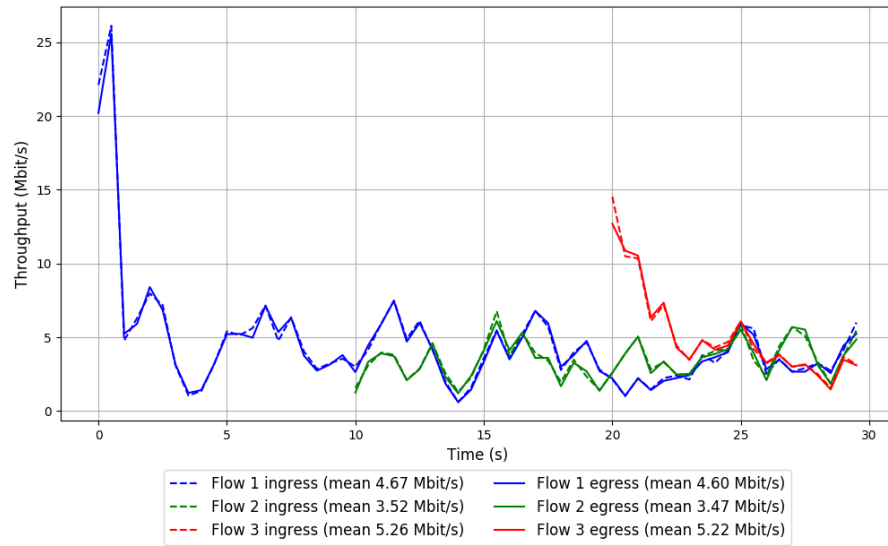


Run 10: Statistics of TCP Vegas

Start at: 2018-02-28 04:31:05
End at: 2018-02-28 04:31:35
Local clock offset: -6.715 ms
Remote clock offset: -6.296 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 31.426 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 31.487 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 31.349 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 31.381 ms
Loss rate: 1.47%

Run 10: Report of TCP Vegas — Data Link

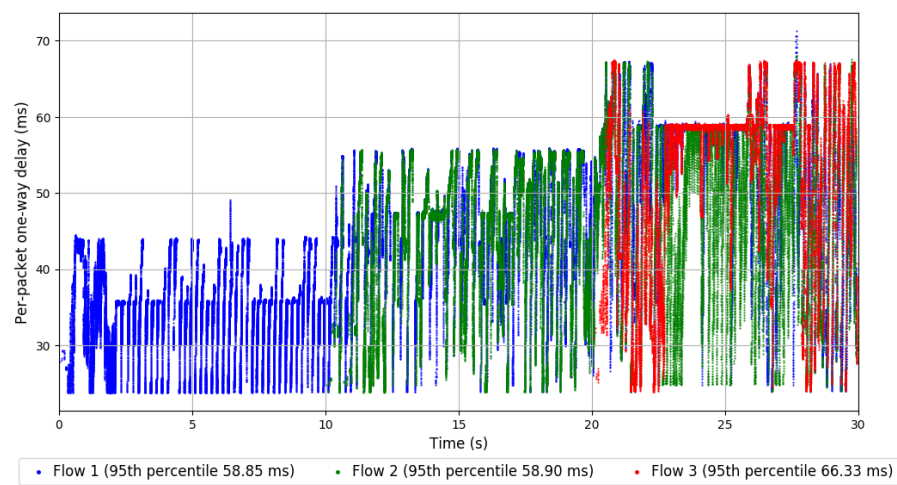
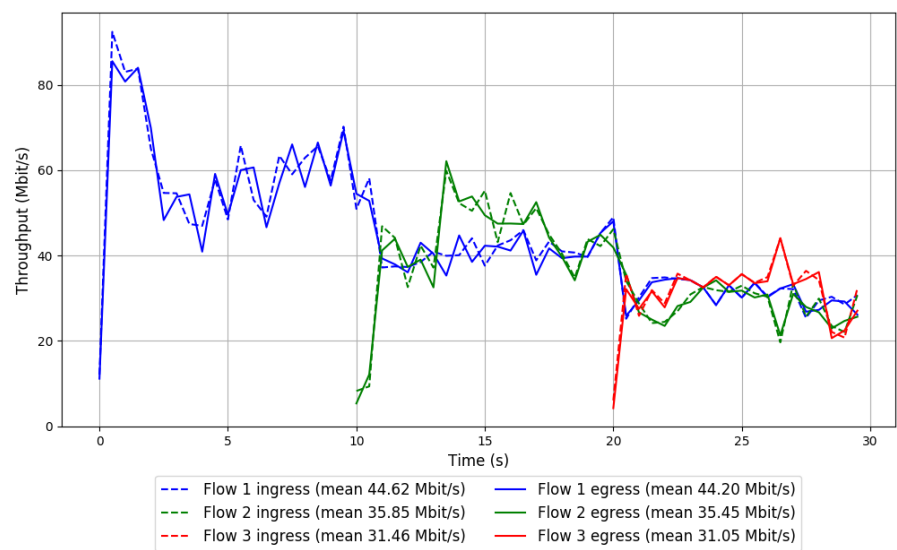


Run 1: Statistics of Verus

Start at: 2018-02-28 00:11:42
End at: 2018-02-28 00:12:13
Local clock offset: -3.606 ms
Remote clock offset: -3.616 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 59.516 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 44.20 Mbit/s
95th percentile per-packet one-way delay: 58.854 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 58.896 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 66.333 ms
Loss rate: 1.88%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-28 00:38:48

End at: 2018-02-28 00:39:18

Local clock offset: -7.781 ms

Remote clock offset: -4.56 ms

Below is generated by plot.py at 2018-02-28 09:51:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.28 Mbit/s

95th percentile per-packet one-way delay: 63.325 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 49.38 Mbit/s

95th percentile per-packet one-way delay: 62.167 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 46.39 Mbit/s

95th percentile per-packet one-way delay: 63.302 ms

Loss rate: 1.18%

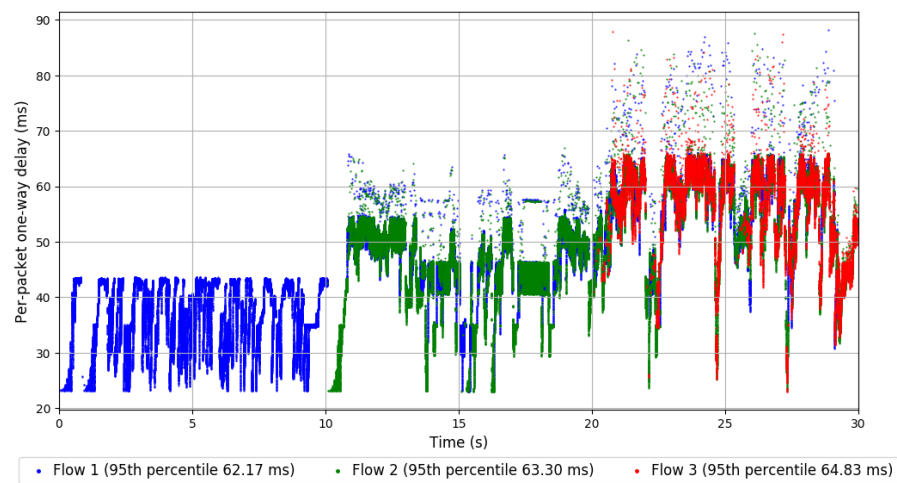
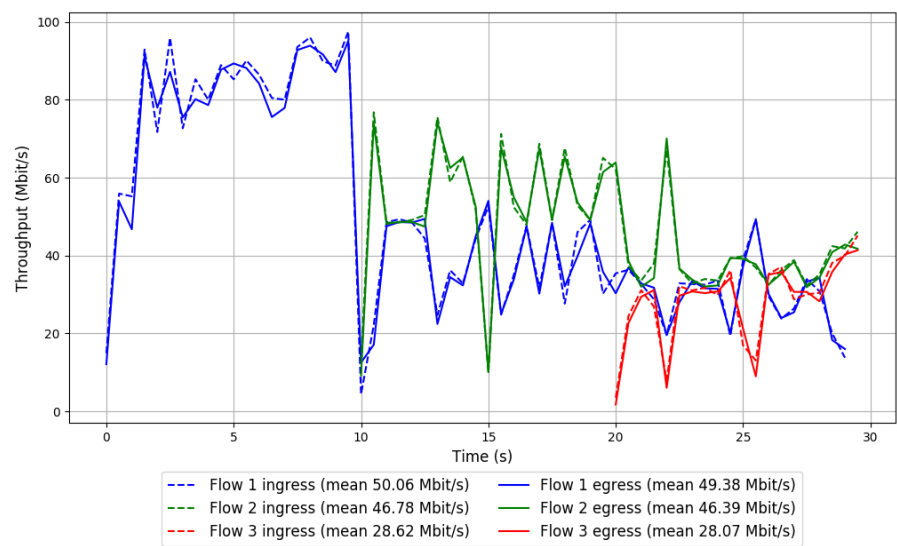
-- Flow 3:

Average throughput: 28.07 Mbit/s

95th percentile per-packet one-way delay: 64.829 ms

Loss rate: 2.57%

Run 2: Report of Verus — Data Link

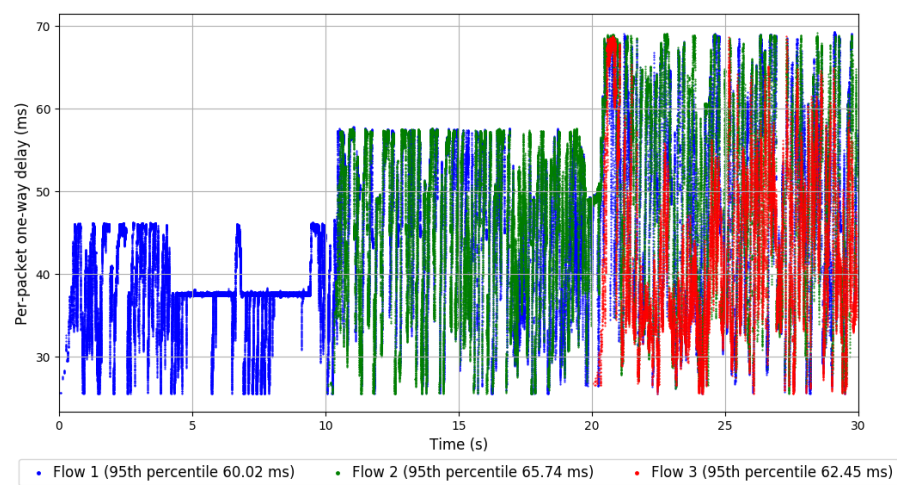
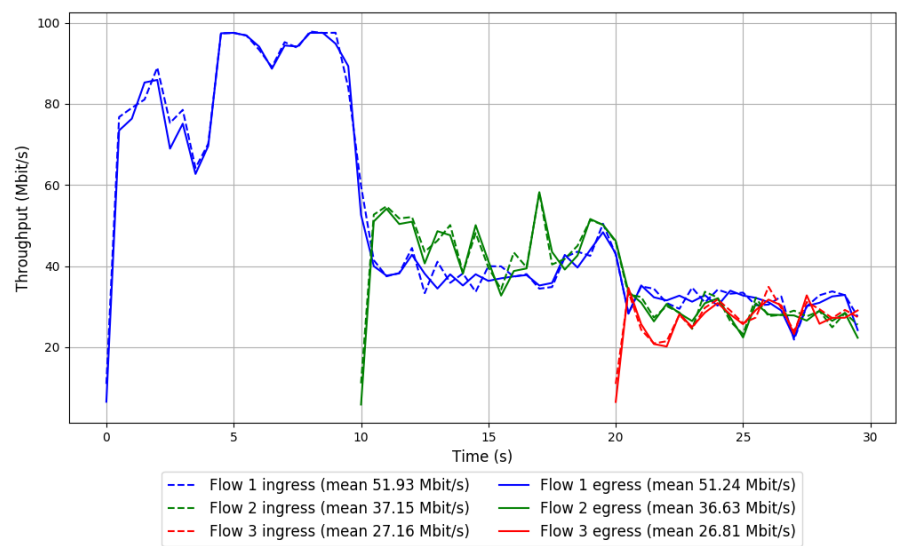


Run 3: Statistics of Verus

Start at: 2018-02-28 01:06:29
End at: 2018-02-28 01:06:59
Local clock offset: -7.205 ms
Remote clock offset: -11.201 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.48 Mbit/s
95th percentile per-packet one-way delay: 62.718 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 51.24 Mbit/s
95th percentile per-packet one-way delay: 60.022 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 65.743 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 26.81 Mbit/s
95th percentile per-packet one-way delay: 62.452 ms
Loss rate: 1.82%

Run 3: Report of Verus — Data Link

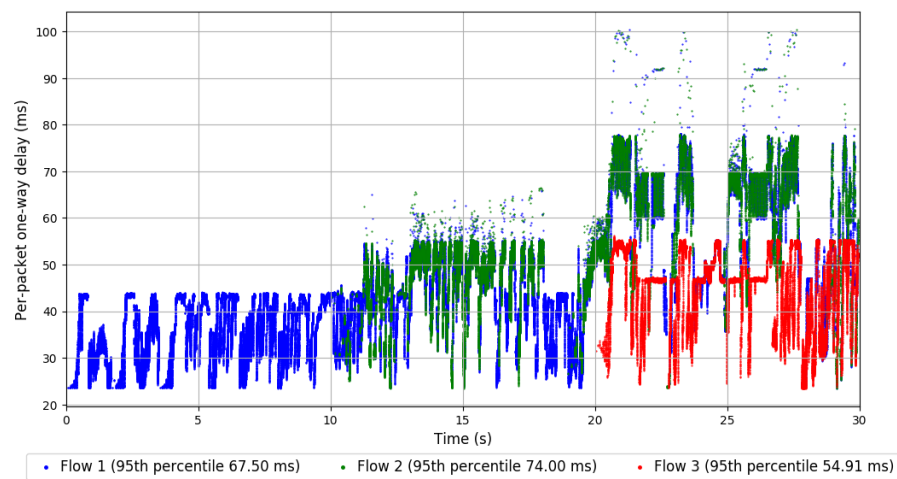
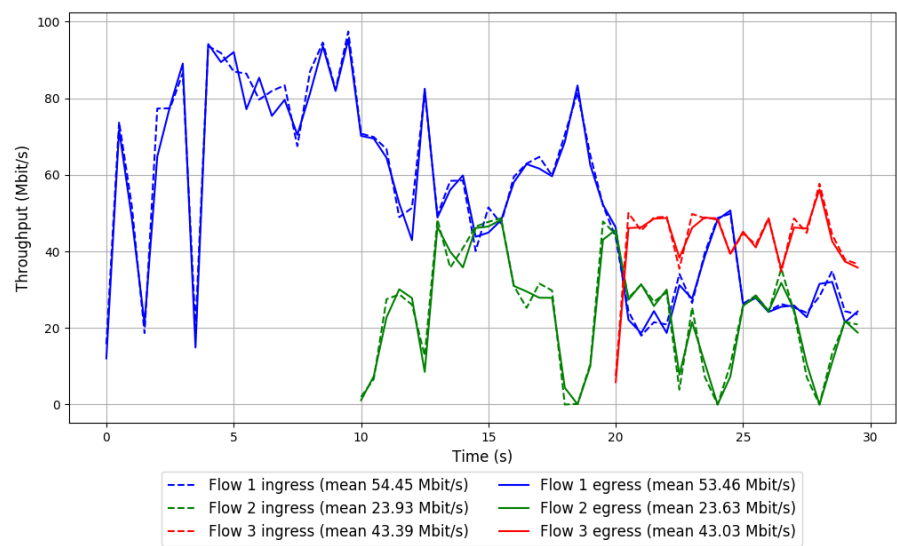


Run 4: Statistics of Verus

Start at: 2018-02-28 01:34:19
End at: 2018-02-28 01:34:49
Local clock offset: 0.252 ms
Remote clock offset: -8.182 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 69.197 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 53.46 Mbit/s
95th percentile per-packet one-way delay: 67.503 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 23.63 Mbit/s
95th percentile per-packet one-way delay: 74.005 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 43.03 Mbit/s
95th percentile per-packet one-way delay: 54.908 ms
Loss rate: 1.39%

Run 4: Report of Verus — Data Link

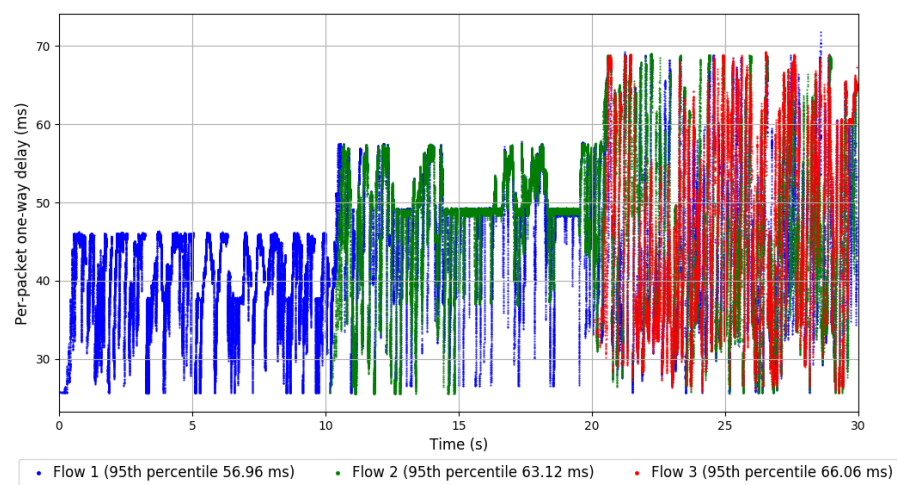
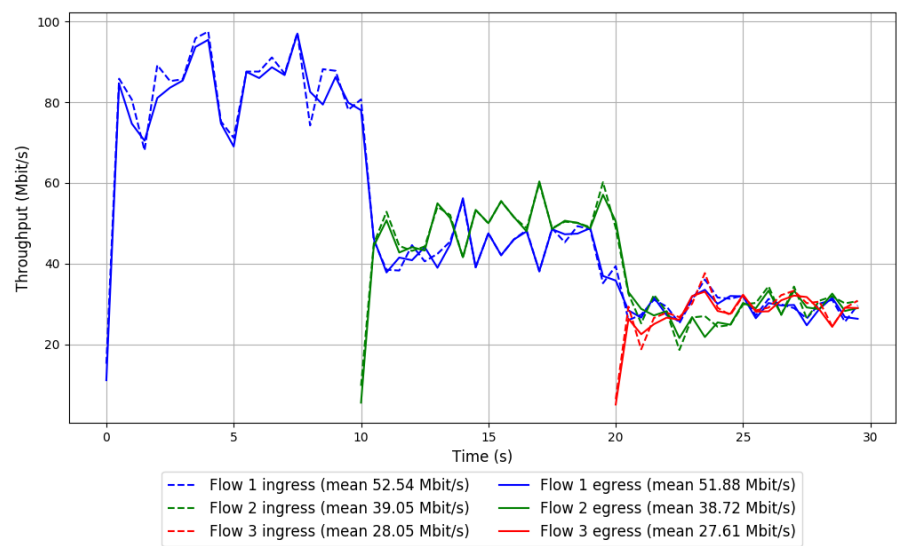


Run 5: Statistics of Verus

Start at: 2018-02-28 02:01:23
End at: 2018-02-28 02:01:53
Local clock offset: 0.257 ms
Remote clock offset: -5.871 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.76 Mbit/s
95th percentile per-packet one-way delay: 61.648 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 56.963 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 38.72 Mbit/s
95th percentile per-packet one-way delay: 63.117 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 66.055 ms
Loss rate: 2.32%

Run 5: Report of Verus — Data Link

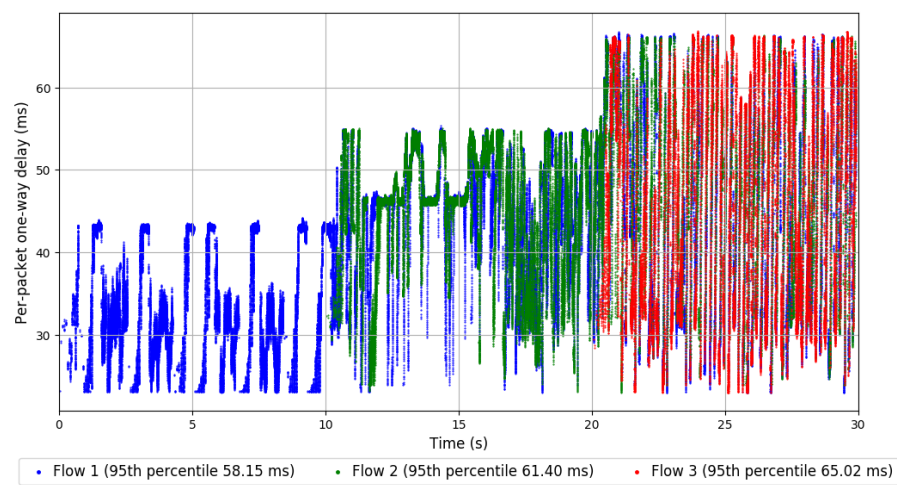
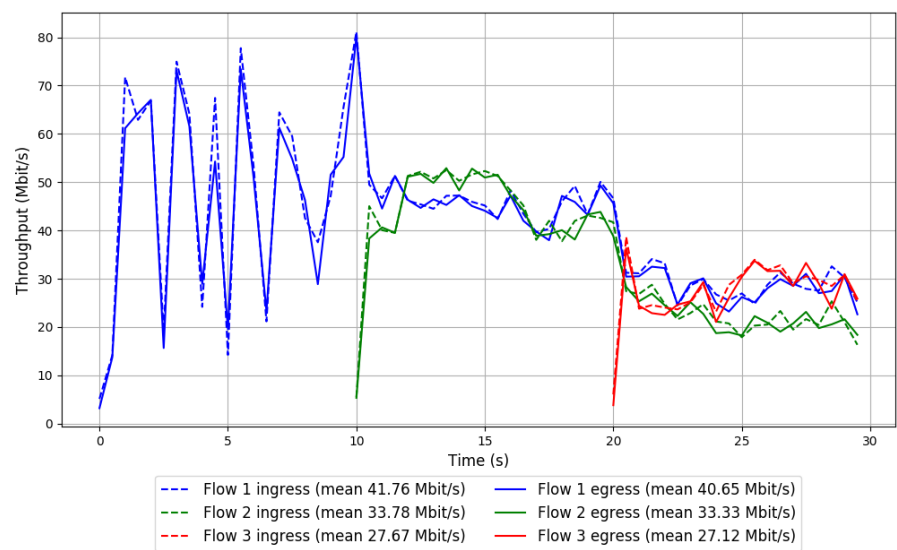


Run 6: Statistics of Verus

Start at: 2018-02-28 02:29:33
End at: 2018-02-28 02:30:03
Local clock offset: -0.076 ms
Remote clock offset: -6.172 ms

Below is generated by plot.py at 2018-02-28 09:51:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 61.679 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 58.150 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 61.400 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 65.024 ms
Loss rate: 2.67%

Run 6: Report of Verus — Data Link

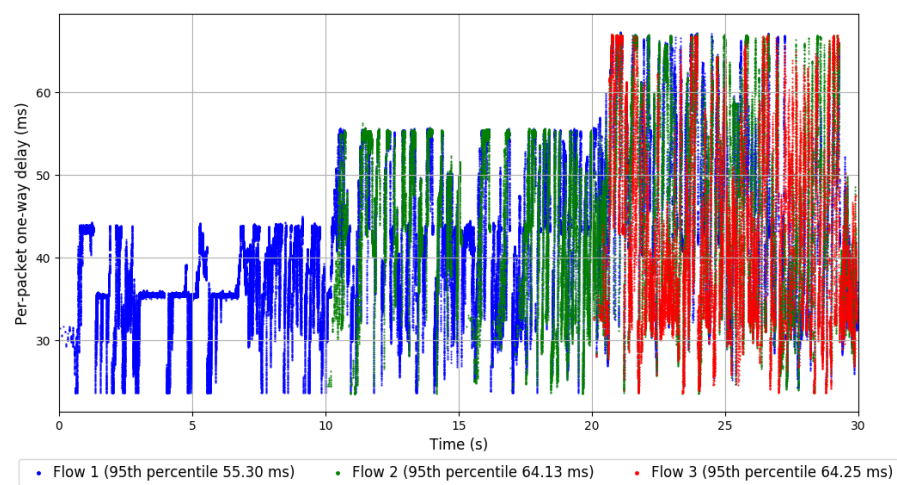
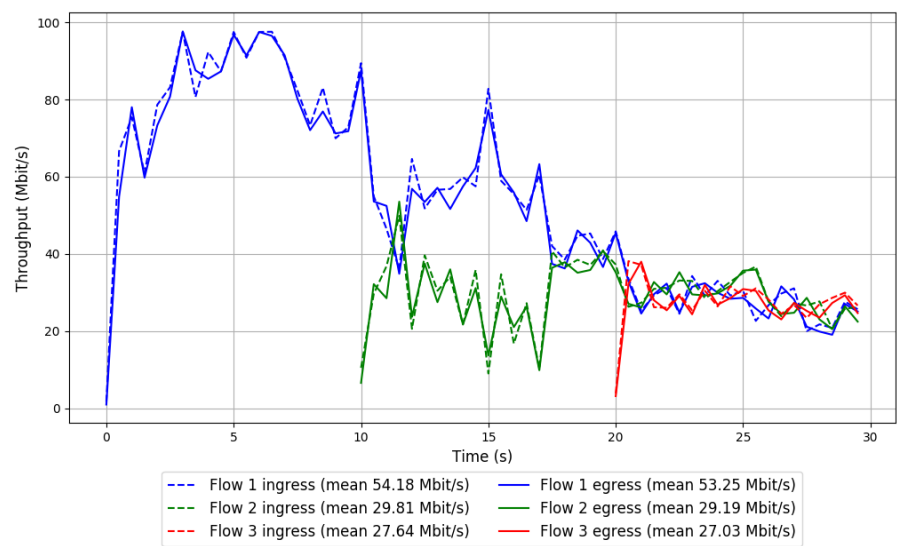


Run 7: Statistics of Verus

Start at: 2018-02-28 02:57:49
End at: 2018-02-28 02:58:19
Local clock offset: -0.192 ms
Remote clock offset: -8.225 ms

Below is generated by plot.py at 2018-02-28 09:51:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 60.206 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 53.25 Mbit/s
95th percentile per-packet one-way delay: 55.303 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 64.132 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 27.03 Mbit/s
95th percentile per-packet one-way delay: 64.245 ms
Loss rate: 2.78%

Run 7: Report of Verus — Data Link

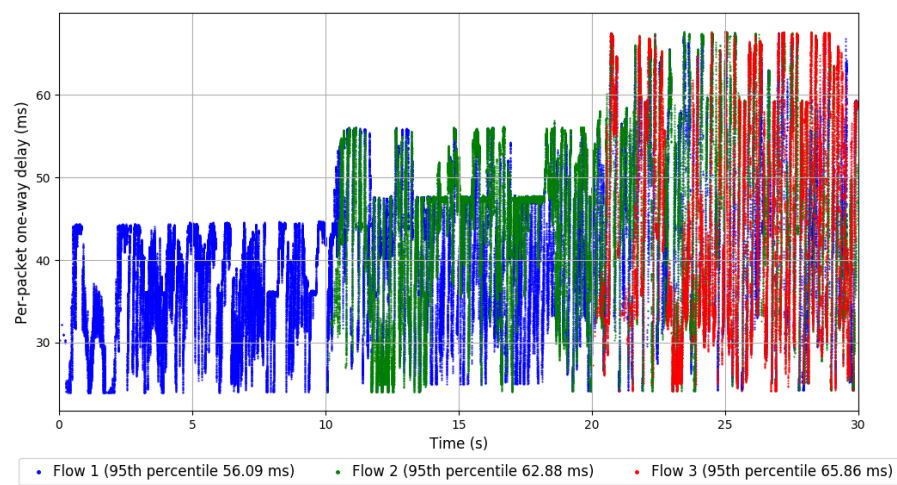
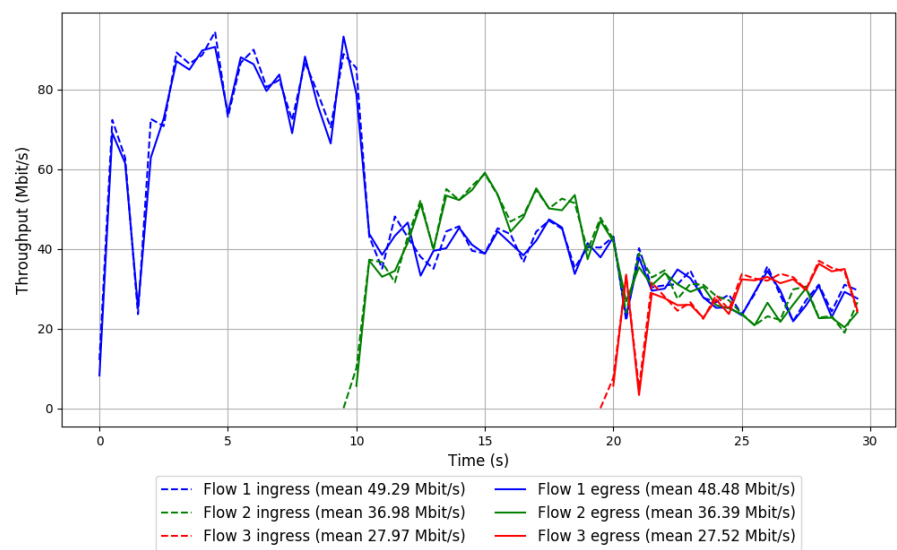


Run 8: Statistics of Verus

Start at: 2018-02-28 03:26:20
End at: 2018-02-28 03:26:50
Local clock offset: -0.661 ms
Remote clock offset: -8.596 ms

Below is generated by plot.py at 2018-02-28 09:51:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.82 Mbit/s
95th percentile per-packet one-way delay: 61.502 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 48.48 Mbit/s
95th percentile per-packet one-way delay: 56.086 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 36.39 Mbit/s
95th percentile per-packet one-way delay: 62.876 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 65.861 ms
Loss rate: 2.16%

Run 8: Report of Verus — Data Link

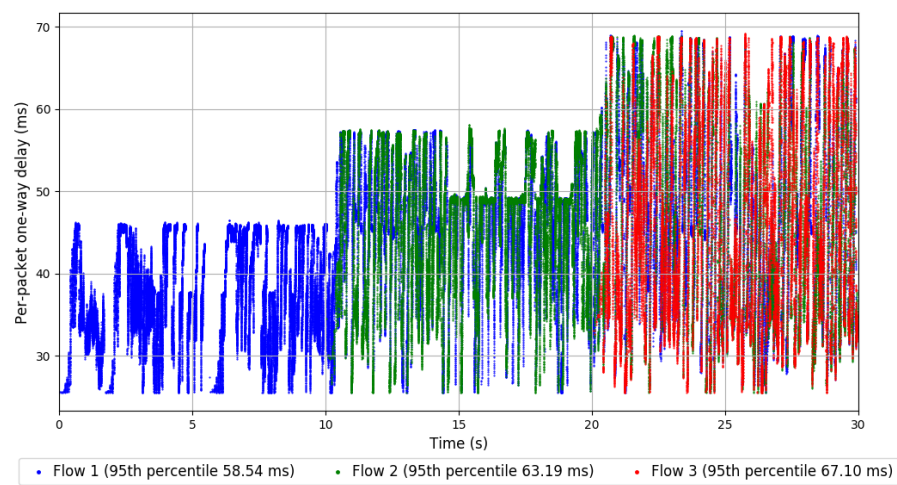
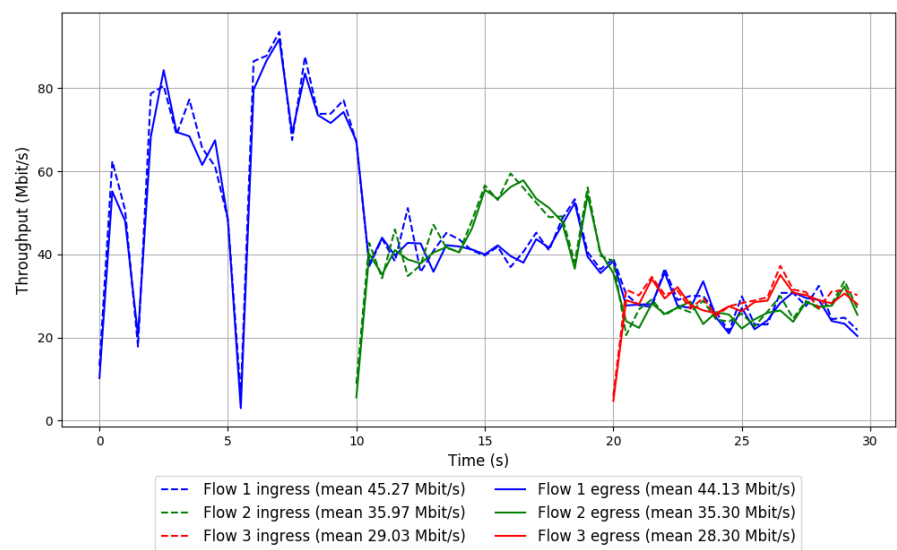


Run 9: Statistics of Verus

Start at: 2018-02-28 03:55:36
End at: 2018-02-28 03:56:06
Local clock offset: 1.161 ms
Remote clock offset: -3.803 ms

Below is generated by plot.py at 2018-02-28 09:51:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 63.173 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 58.540 ms
Loss rate: 2.69%
-- Flow 2:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 63.191 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 67.096 ms
Loss rate: 3.19%

Run 9: Report of Verus — Data Link

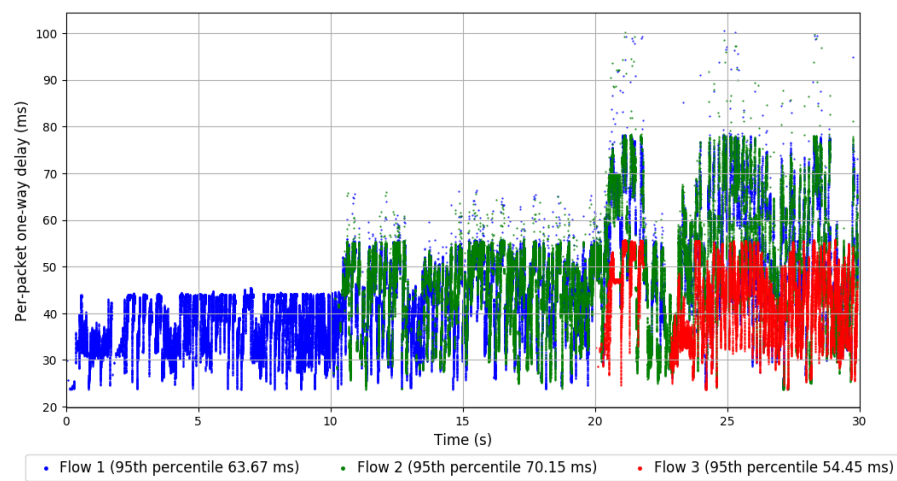
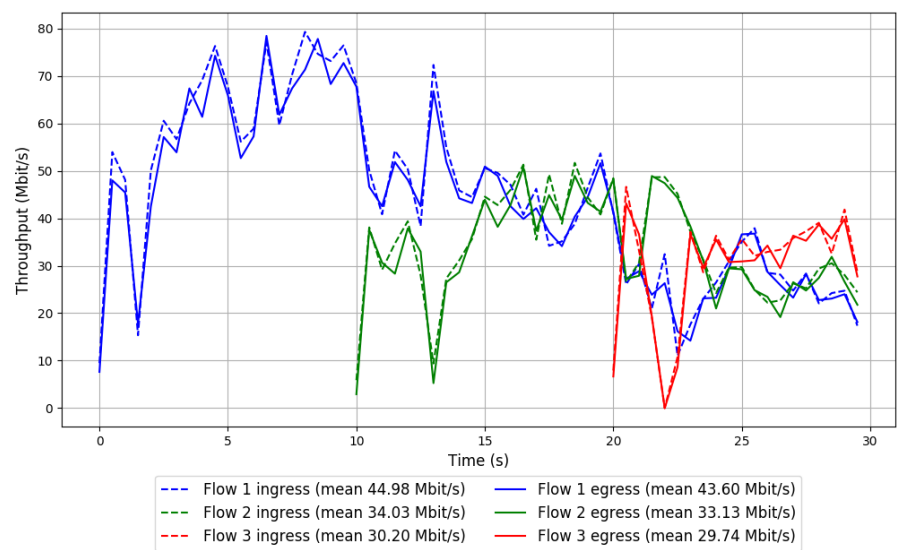


Run 10: Statistics of Verus

Start at: 2018-02-28 04:26:01
End at: 2018-02-28 04:26:31
Local clock offset: -6.059 ms
Remote clock offset: -6.557 ms

Below is generated by plot.py at 2018-02-28 09:51:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.44 Mbit/s
95th percentile per-packet one-way delay: 65.862 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 43.60 Mbit/s
95th percentile per-packet one-way delay: 63.672 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 33.13 Mbit/s
95th percentile per-packet one-way delay: 70.147 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 54.455 ms
Loss rate: 2.33%

Run 10: Report of Verus — Data Link

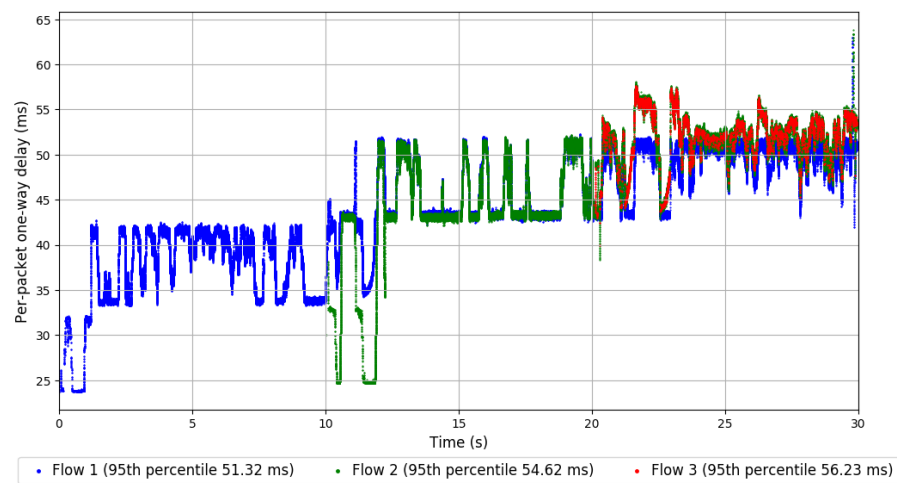
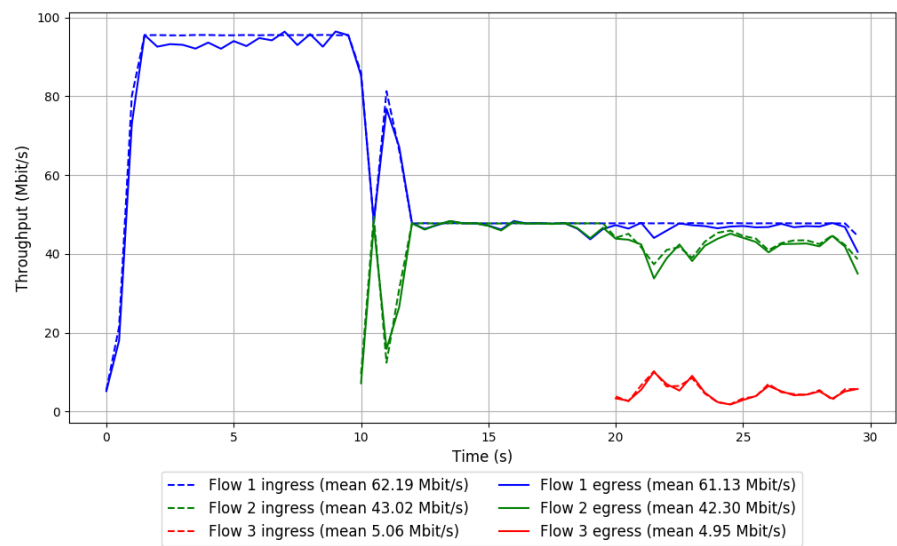


Run 1: Statistics of Copa

Start at: 2018-02-28 00:20:38
End at: 2018-02-28 00:21:08
Local clock offset: -5.702 ms
Remote clock offset: -3.137 ms

Below is generated by plot.py at 2018-02-28 09:52:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 53.150 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 61.13 Mbit/s
95th percentile per-packet one-way delay: 51.322 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 54.618 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 56.235 ms
Loss rate: 2.83%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-02-28 00:47:57

End at: 2018-02-28 00:48:27

Local clock offset: -7.13 ms

Remote clock offset: -7.55 ms

Below is generated by plot.py at 2018-02-28 09:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.90 Mbit/s

95th percentile per-packet one-way delay: 43.682 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 67.47 Mbit/s

95th percentile per-packet one-way delay: 43.161 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 42.420 ms

Loss rate: 2.31%

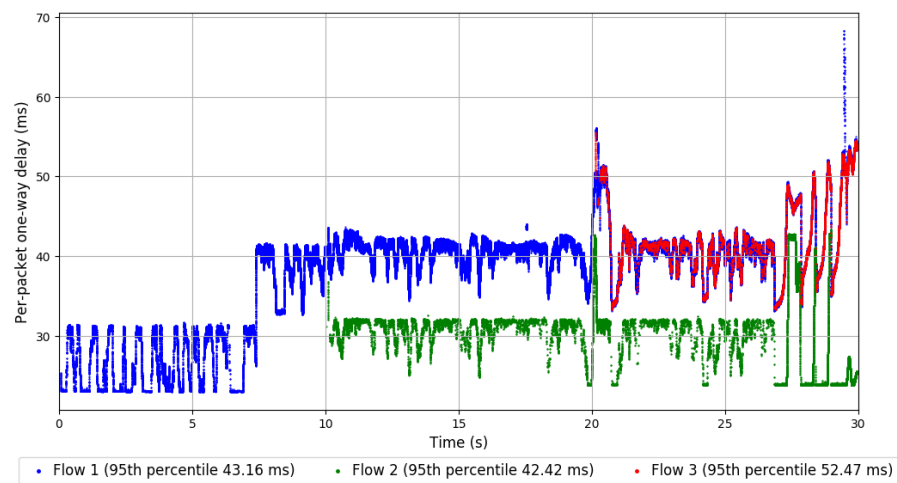
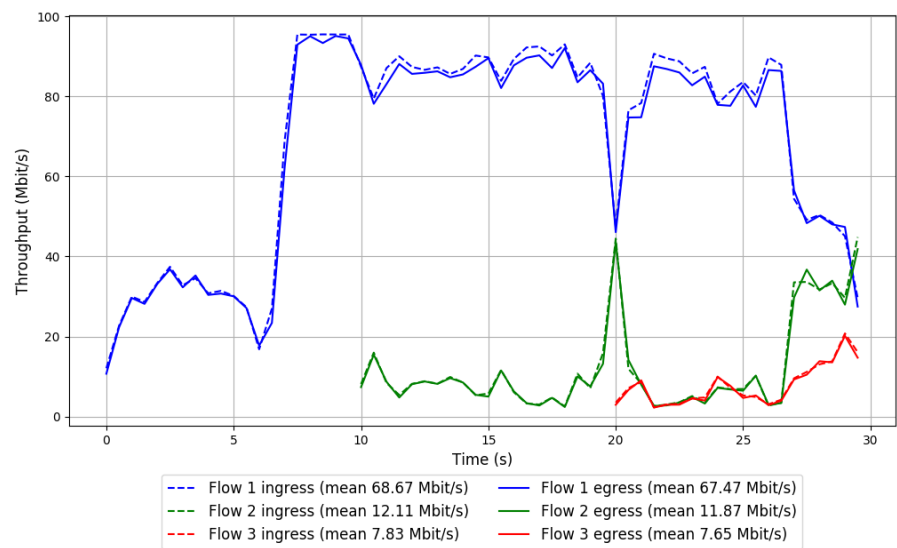
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 52.472 ms

Loss rate: 2.94%

Run 2: Report of Copa — Data Link

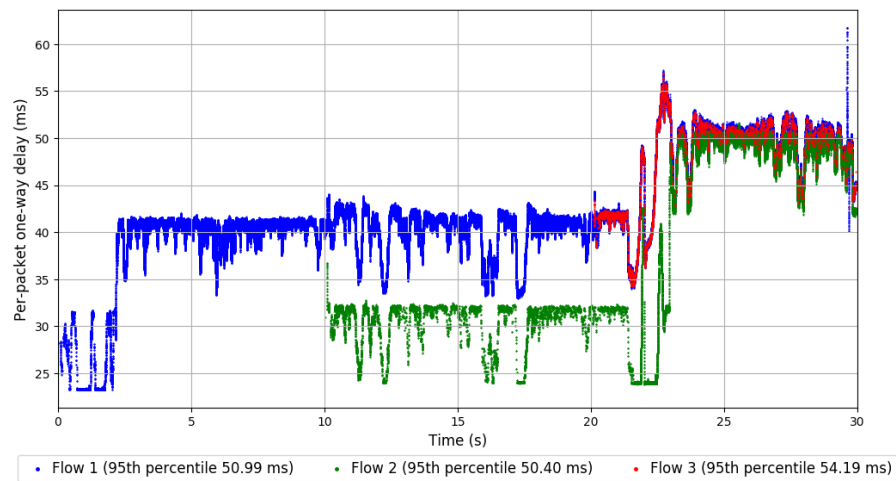
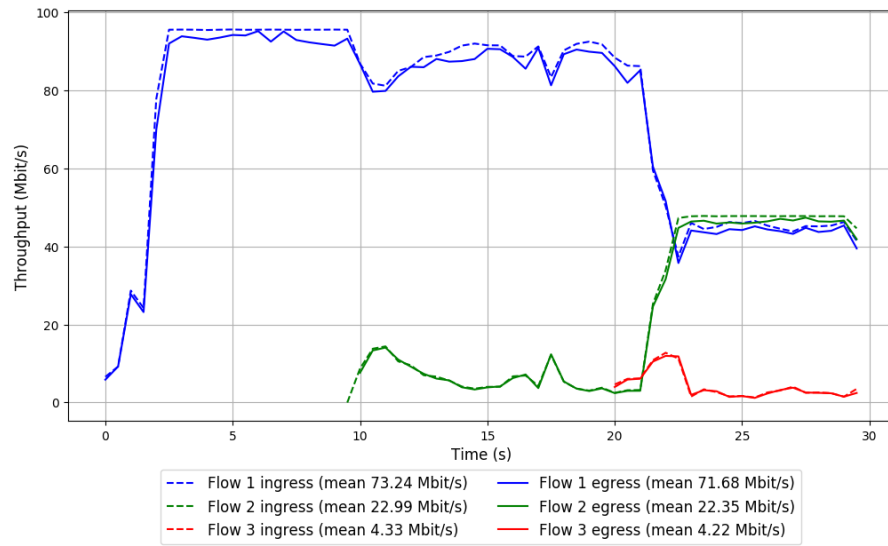


Run 3: Statistics of Copa

Start at: 2018-02-28 01:15:26
End at: 2018-02-28 01:15:56
Local clock offset: -7.263 ms
Remote clock offset: -8.945 ms

Below is generated by plot.py at 2018-02-28 09:53:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 50.897 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 71.68 Mbit/s
95th percentile per-packet one-way delay: 50.989 ms
Loss rate: 2.36%
-- Flow 2:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 50.398 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 54.190 ms
Loss rate: 3.24%

Run 3: Report of Copa — Data Link

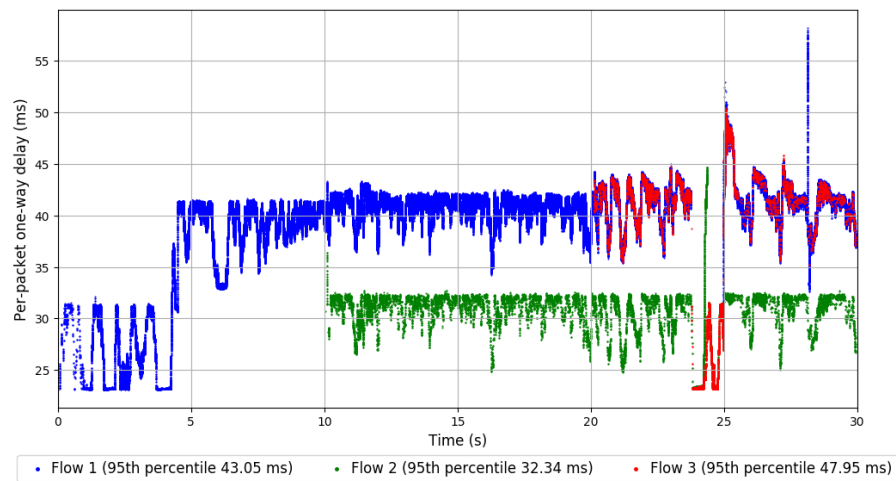
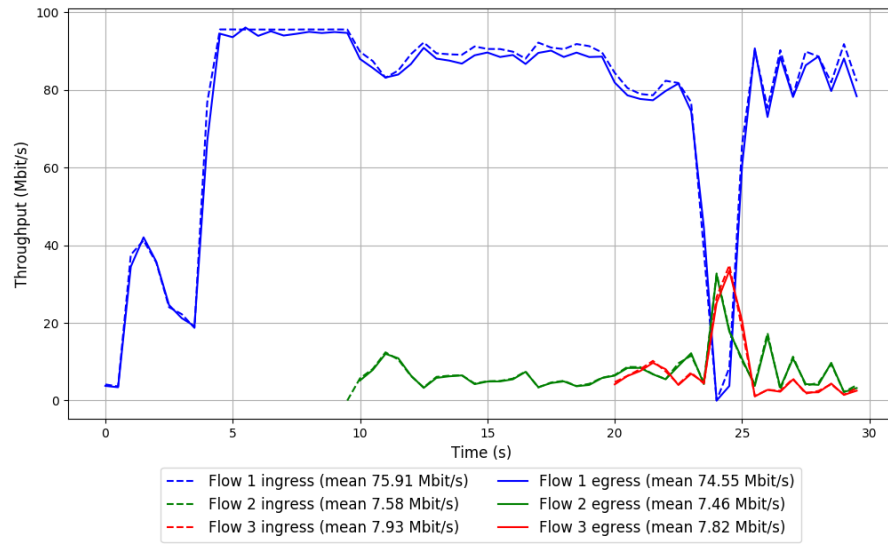


Run 4: Statistics of Copa

Start at: 2018-02-28 01:43:32
End at: 2018-02-28 01:44:02
Local clock offset: 1.648 ms
Remote clock offset: -7.107 ms

Below is generated by plot.py at 2018-02-28 09:53:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 43.099 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 74.55 Mbit/s
95th percentile per-packet one-way delay: 43.051 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 32.342 ms
Loss rate: 1.97%
-- Flow 3:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 47.955 ms
Loss rate: 2.08%

Run 4: Report of Copa — Data Link

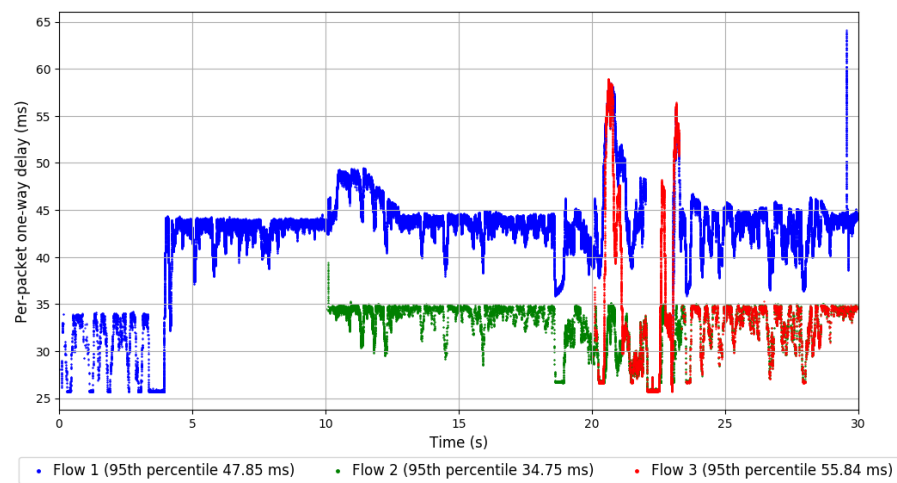
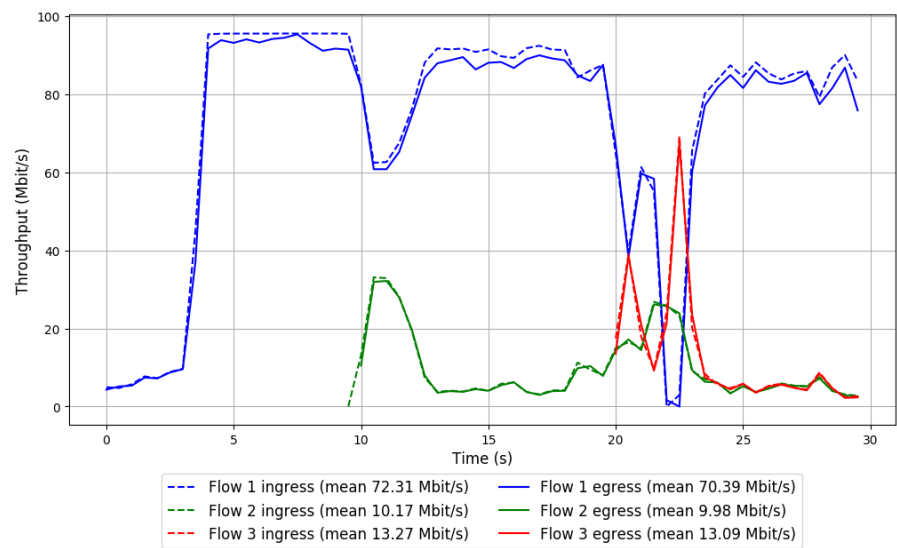


Run 5: Statistics of Copa

Start at: 2018-02-28 02:10:41
End at: 2018-02-28 02:11:11
Local clock offset: 0.185 ms
Remote clock offset: -5.203 ms

Below is generated by plot.py at 2018-02-28 09:53:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.36 Mbit/s
95th percentile per-packet one-way delay: 47.954 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 47.849 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 34.750 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 55.845 ms
Loss rate: 1.96%

Run 5: Report of Copa — Data Link

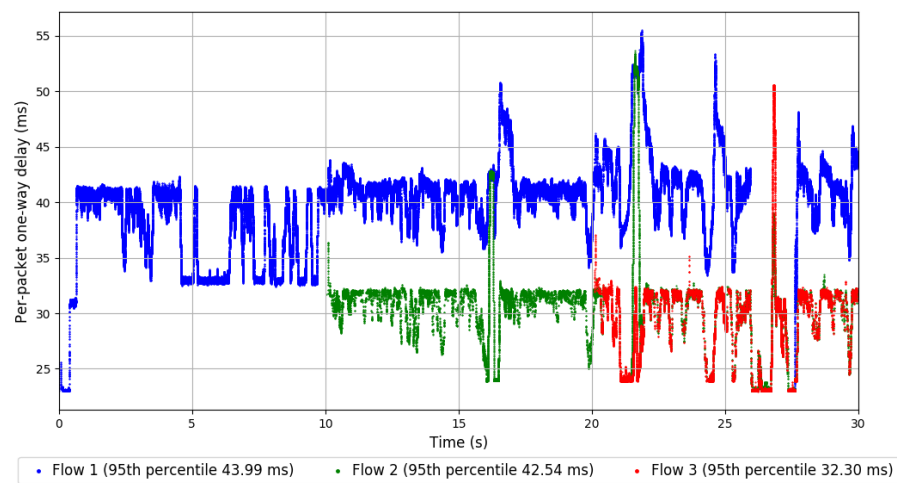
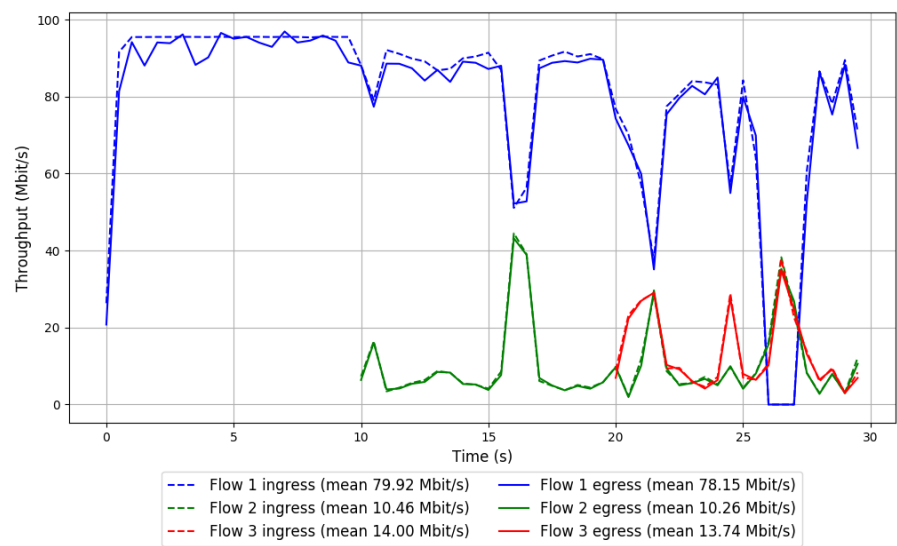


Run 6: Statistics of Copa

Start at: 2018-02-28 02:39:02
End at: 2018-02-28 02:39:32
Local clock offset: -0.513 ms
Remote clock offset: -7.433 ms

Below is generated by plot.py at 2018-02-28 09:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 43.770 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 43.987 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 42.542 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 13.74 Mbit/s
95th percentile per-packet one-way delay: 32.303 ms
Loss rate: 2.49%

Run 6: Report of Copa — Data Link

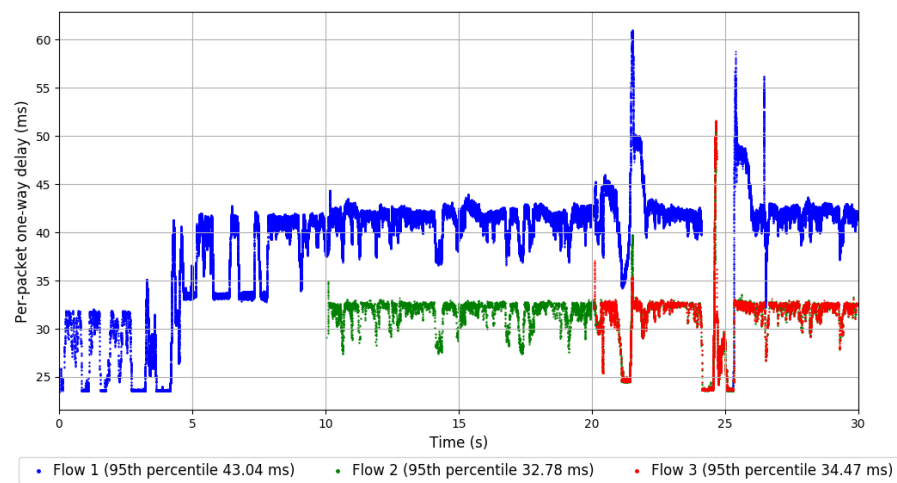
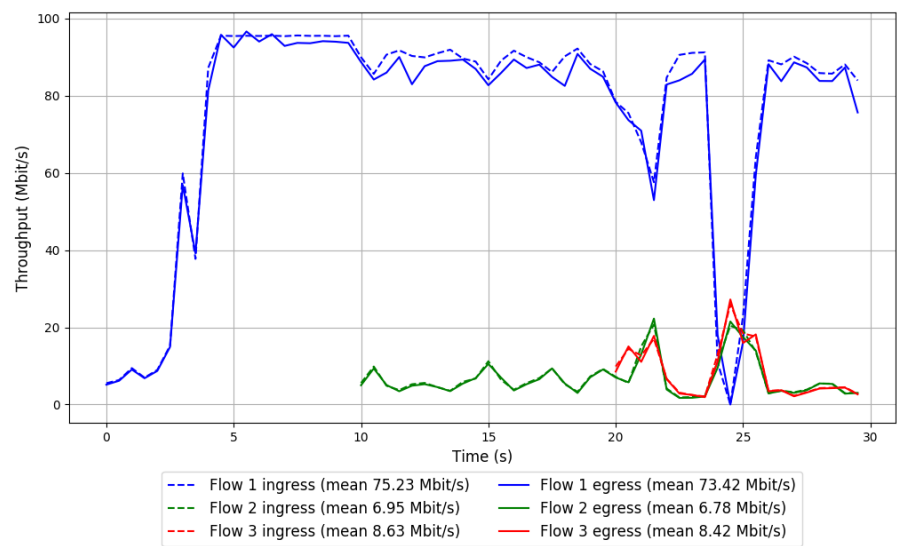


Run 7: Statistics of Copa

Start at: 2018-02-28 03:07:11
End at: 2018-02-28 03:07:41
Local clock offset: -0.666 ms
Remote clock offset: -8.325 ms

Below is generated by plot.py at 2018-02-28 09:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 42.980 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 73.42 Mbit/s
95th percentile per-packet one-way delay: 43.037 ms
Loss rate: 2.58%
-- Flow 2:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 32.784 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 34.473 ms
Loss rate: 3.05%

Run 7: Report of Copa — Data Link

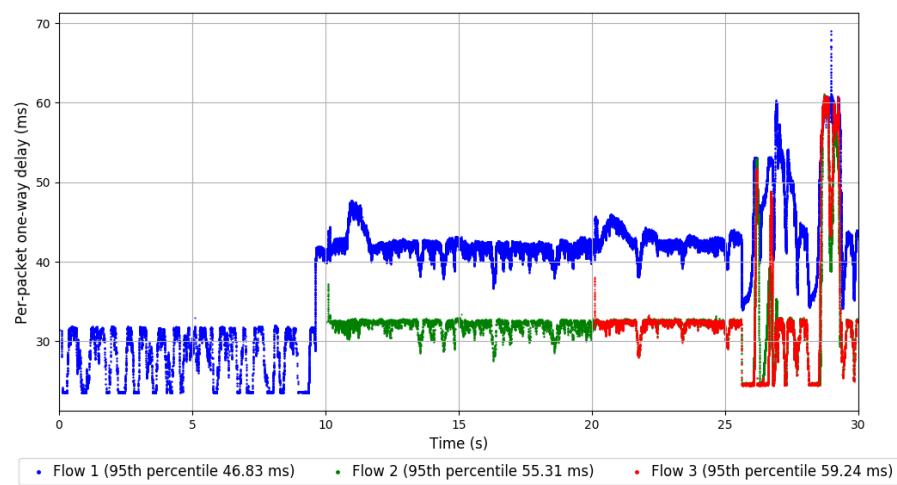
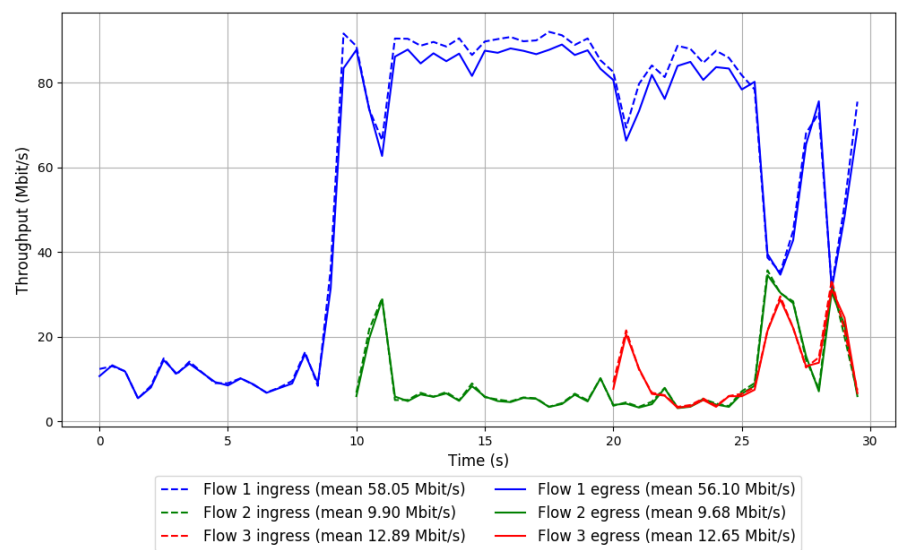


Run 8: Statistics of Copa

Start at: 2018-02-28 03:36:06
End at: 2018-02-28 03:36:36
Local clock offset: -0.081 ms
Remote clock offset: -3.856 ms

Below is generated by plot.py at 2018-02-28 09:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.73 Mbit/s
95th percentile per-packet one-way delay: 49.026 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 56.10 Mbit/s
95th percentile per-packet one-way delay: 46.829 ms
Loss rate: 3.56%
-- Flow 2:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 55.307 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 59.243 ms
Loss rate: 2.52%

Run 8: Report of Copa — Data Link

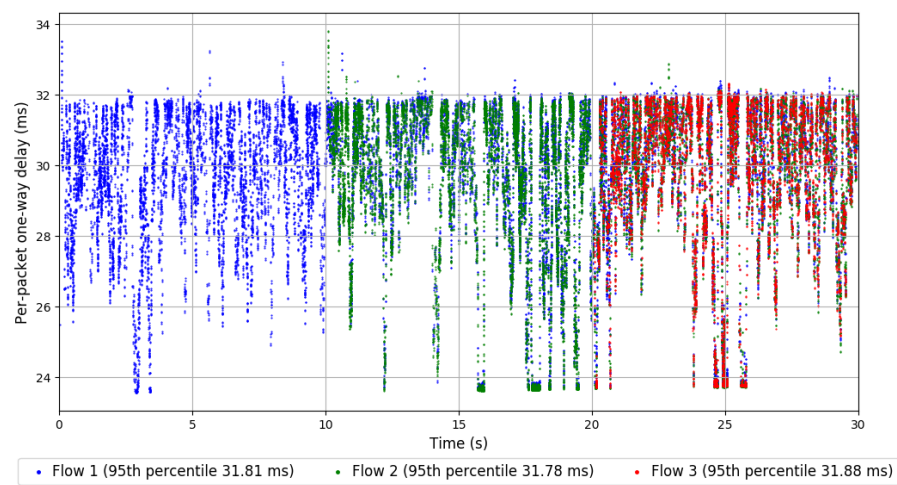
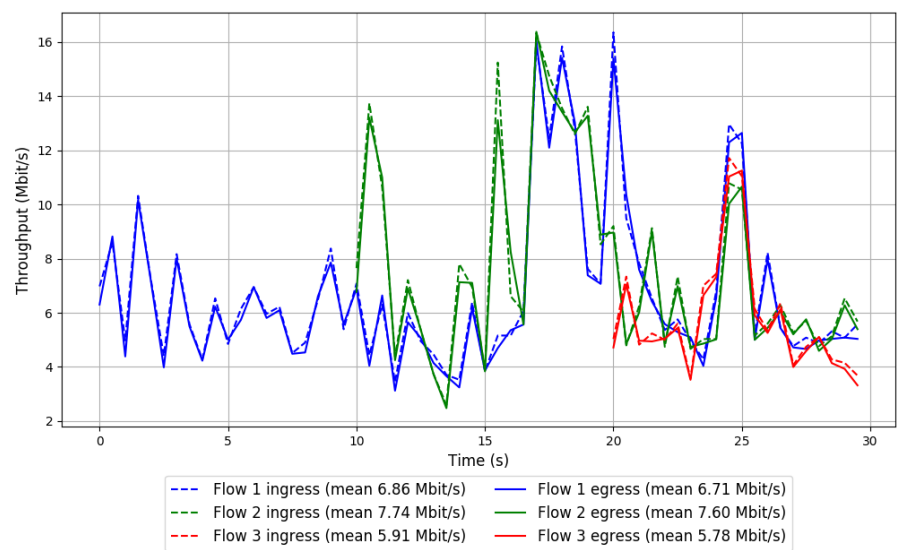


Run 9: Statistics of Copa

Start at: 2018-02-28 04:06:07
End at: 2018-02-28 04:06:37
Local clock offset: 1.436 ms
Remote clock offset: -3.419 ms

Below is generated by plot.py at 2018-02-28 09:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 31.813 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 6.71 Mbit/s
95th percentile per-packet one-way delay: 31.809 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 31.784 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 31.876 ms
Loss rate: 2.86%

Run 9: Report of Copa — Data Link

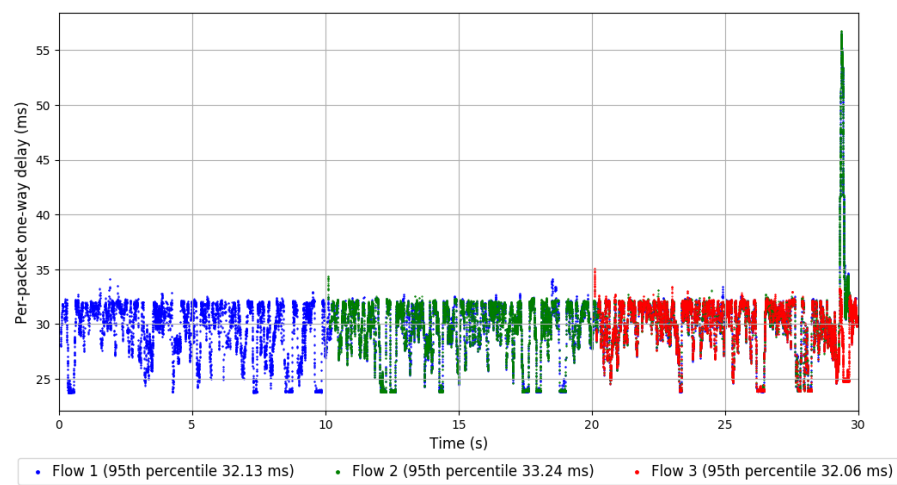
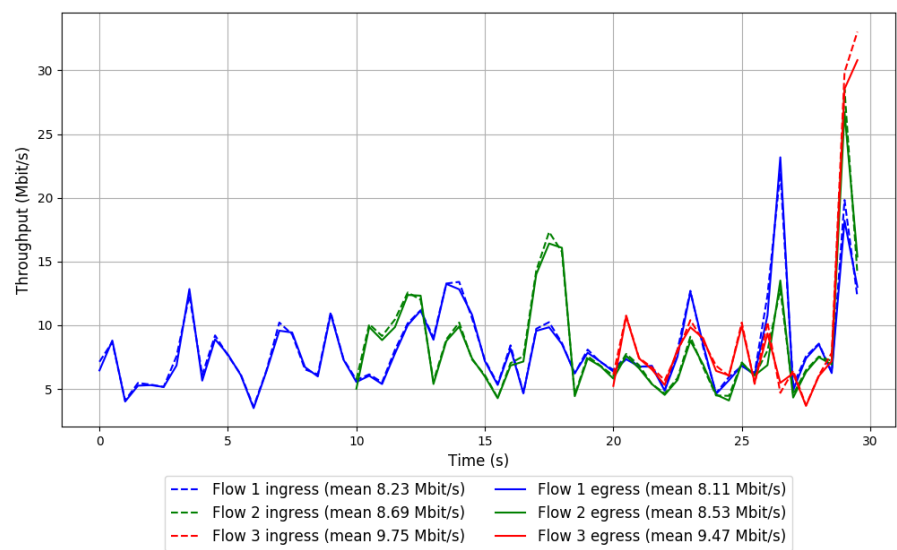


Run 10: Statistics of Copa

Start at: 2018-02-28 04:36:23
End at: 2018-02-28 04:36:53
Local clock offset: -7.203 ms
Remote clock offset: -6.583 ms

Below is generated by plot.py at 2018-02-28 09:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.91 Mbit/s
95th percentile per-packet one-way delay: 32.182 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 32.134 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 33.241 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 32.062 ms
Loss rate: 3.47%

Run 10: Report of Copa — Data Link

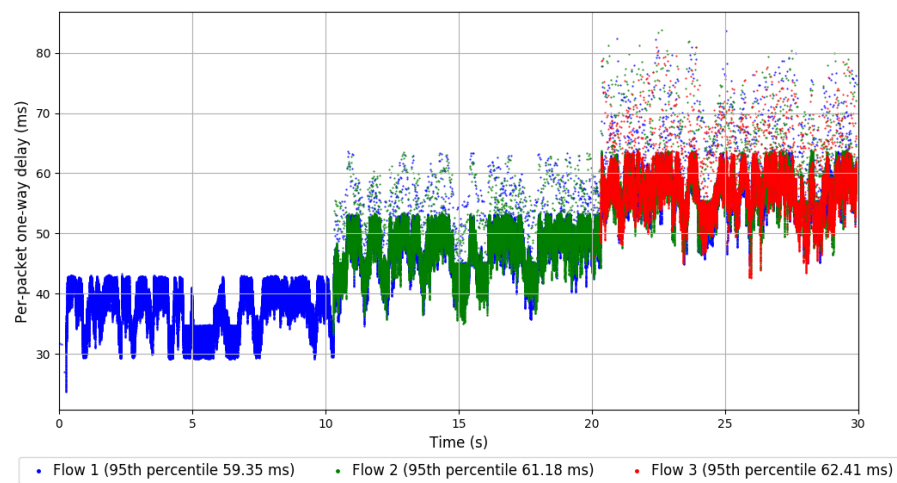
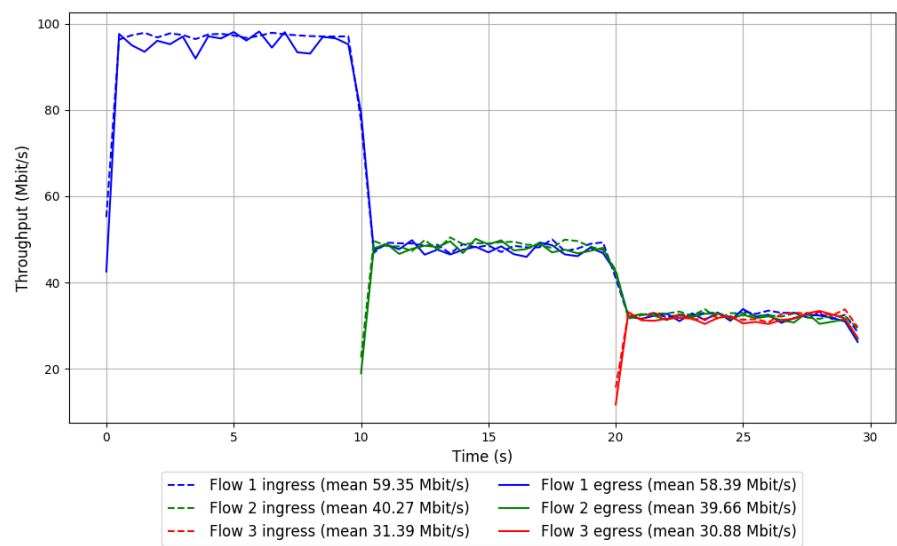


Run 1: Statistics of FillP

Start at: 2018-02-28 00:05:43
End at: 2018-02-28 00:06:13
Local clock offset: -1.607 ms
Remote clock offset: -4.288 ms

Below is generated by plot.py at 2018-02-28 09:54:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 60.802 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 59.352 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 61.182 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 62.414 ms
Loss rate: 2.64%

Run 1: Report of FillP — Data Link

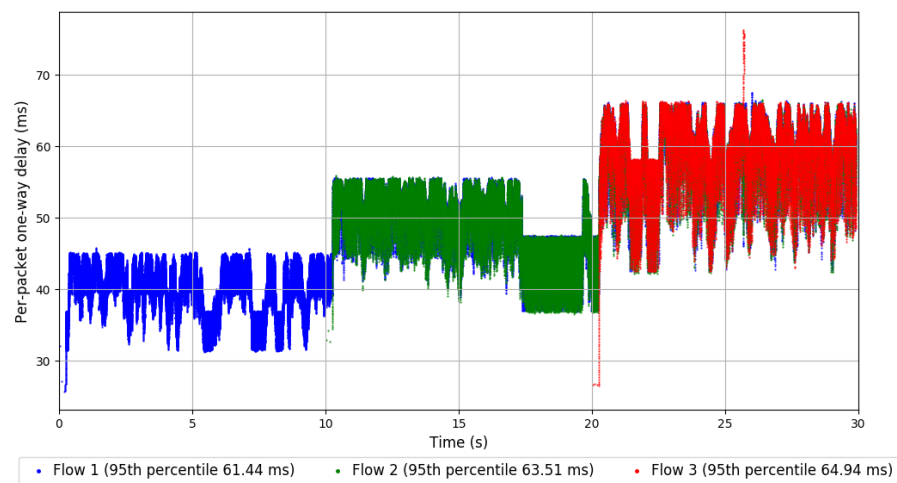
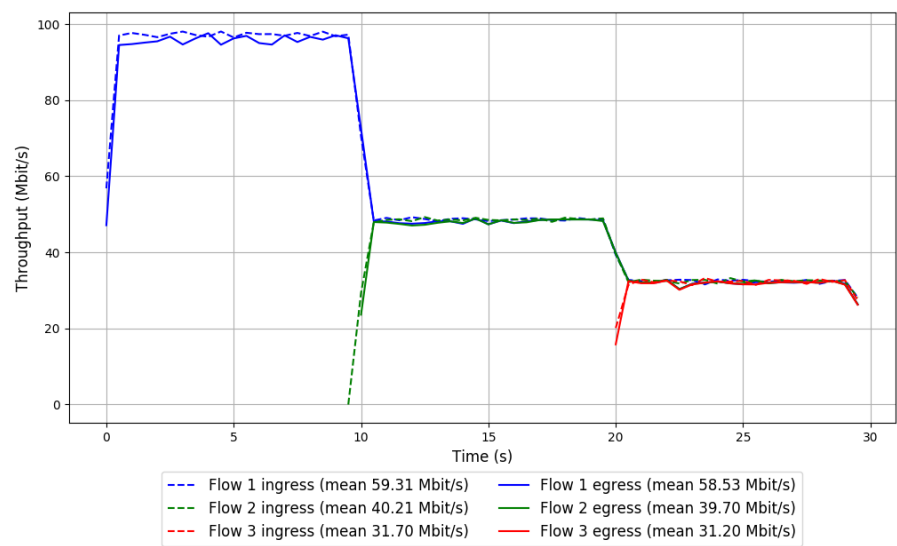


Run 2: Statistics of FillP

Start at: 2018-02-28 00:32:53
End at: 2018-02-28 00:33:23
Local clock offset: -7.229 ms
Remote clock offset: -4.494 ms

Below is generated by plot.py at 2018-02-28 09:54:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.26 Mbit/s
95th percentile per-packet one-way delay: 63.214 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 58.53 Mbit/s
95th percentile per-packet one-way delay: 61.444 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 63.505 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 64.937 ms
Loss rate: 2.09%

Run 2: Report of FillP — Data Link

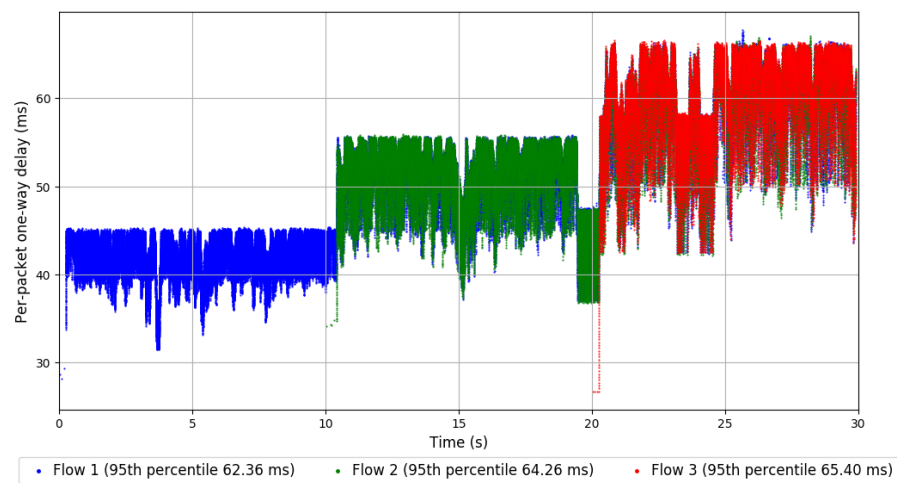
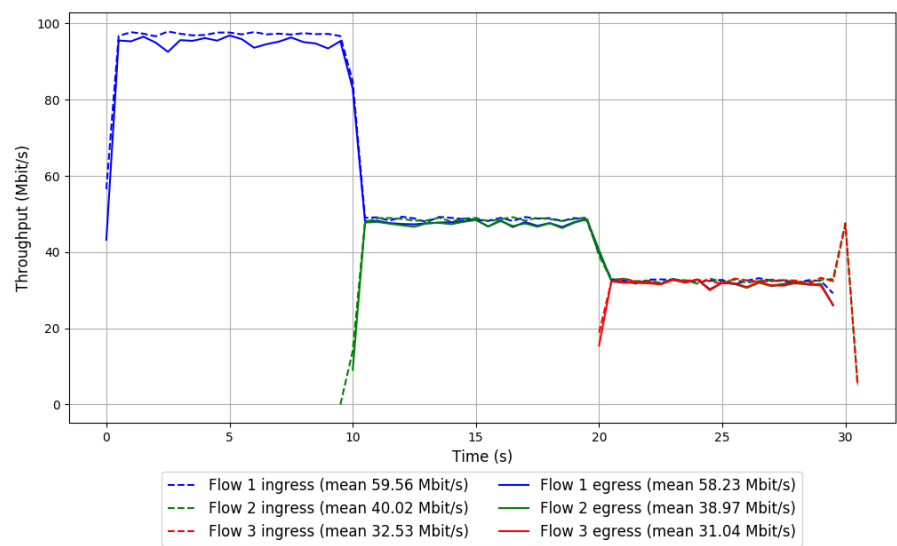


Run 3: Statistics of FillP

Start at: 2018-02-28 01:00:23
End at: 2018-02-28 01:00:53
Local clock offset: -6.951 ms
Remote clock offset: -11.33 ms

Below is generated by plot.py at 2018-02-28 09:55:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 64.036 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 62.364 ms
Loss rate: 2.46%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 64.257 ms
Loss rate: 5.92%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 65.399 ms
Loss rate: 10.80%

Run 3: Report of FillP — Data Link

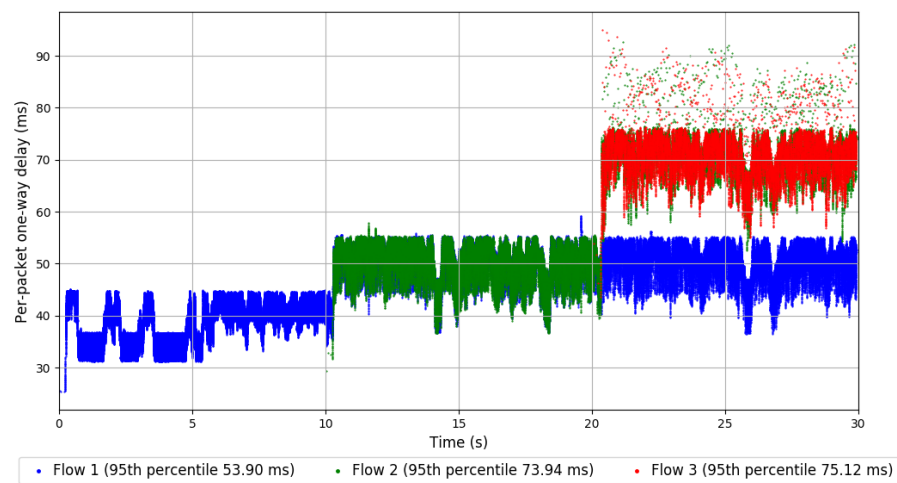
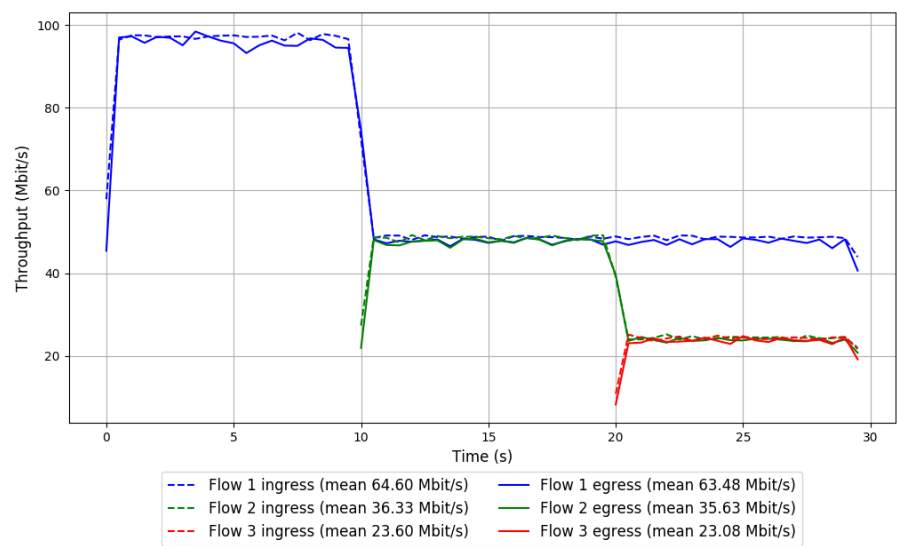


Run 4: Statistics of FillP

Start at: 2018-02-28 01:28:13
End at: 2018-02-28 01:28:43
Local clock offset: -1.043 ms
Remote clock offset: -10.313 ms

Below is generated by plot.py at 2018-02-28 09:55:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 72.345 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 63.48 Mbit/s
95th percentile per-packet one-way delay: 53.901 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 73.935 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 75.119 ms
Loss rate: 3.36%

Run 4: Report of FillP — Data Link

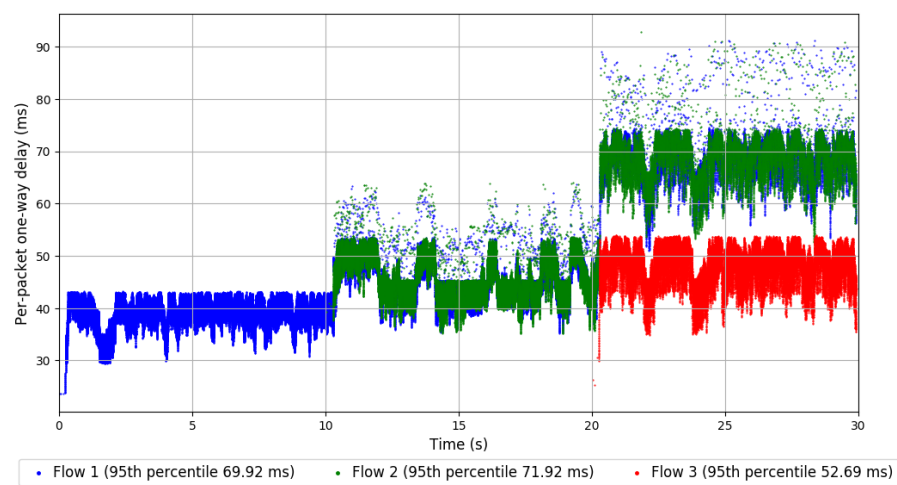
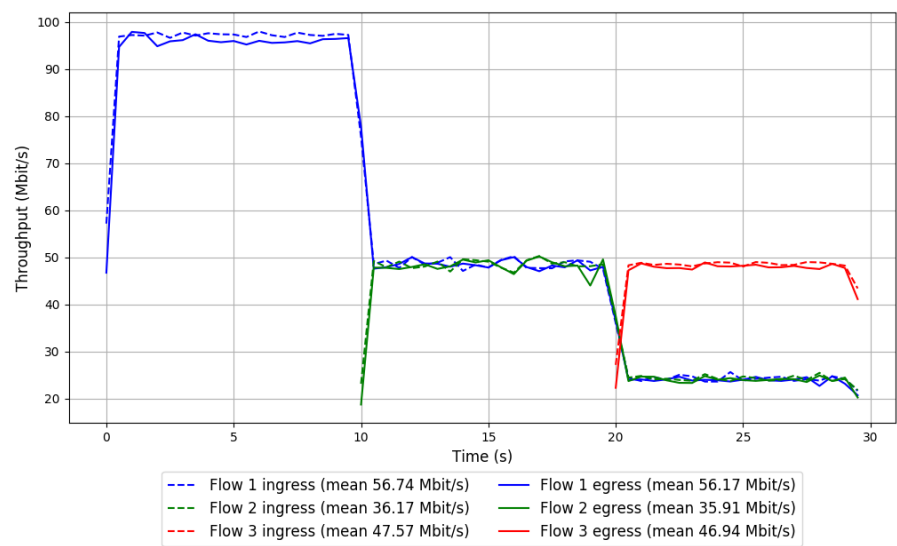


Run 5: Statistics of FillP

Start at: 2018-02-28 01:55:32
End at: 2018-02-28 01:56:02
Local clock offset: 0.885 ms
Remote clock offset: -4.701 ms

Below is generated by plot.py at 2018-02-28 09:55:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 70.399 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 69.924 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 35.91 Mbit/s
95th percentile per-packet one-way delay: 71.916 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 52.694 ms
Loss rate: 1.87%

Run 5: Report of FillP — Data Link

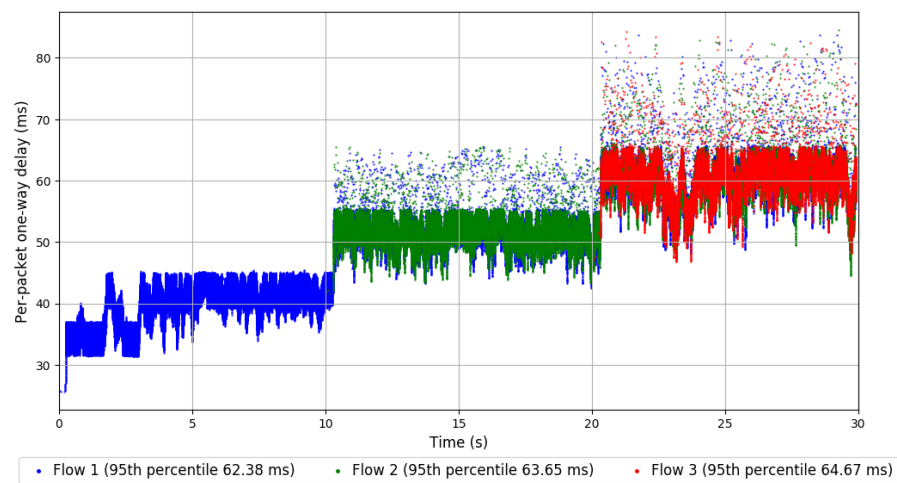
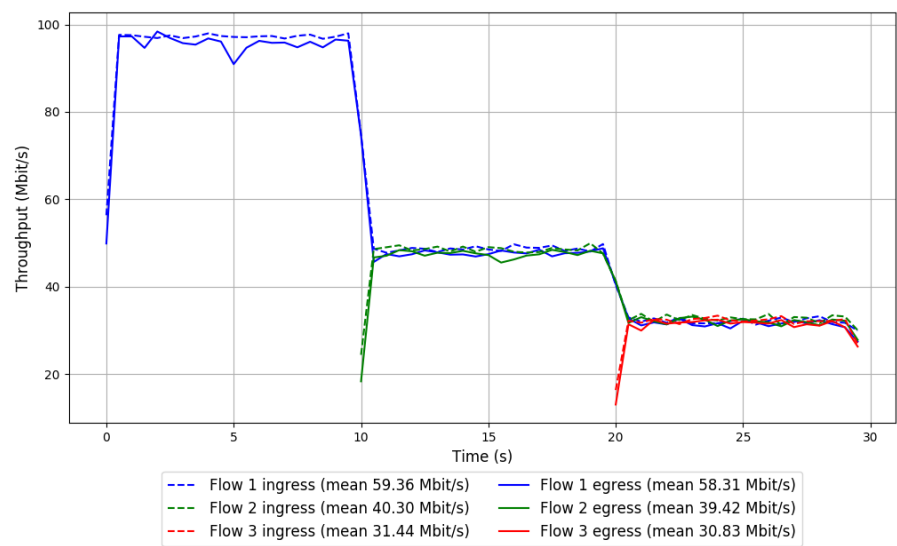


Run 6: Statistics of FillP

Start at: 2018-02-28 02:23:18
End at: 2018-02-28 02:23:48
Local clock offset: 0.635 ms
Remote clock offset: -7.351 ms

Below is generated by plot.py at 2018-02-28 09:55:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 63.420 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 58.31 Mbit/s
95th percentile per-packet one-way delay: 62.378 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 63.651 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 64.666 ms
Loss rate: 2.70%

Run 6: Report of FillP — Data Link

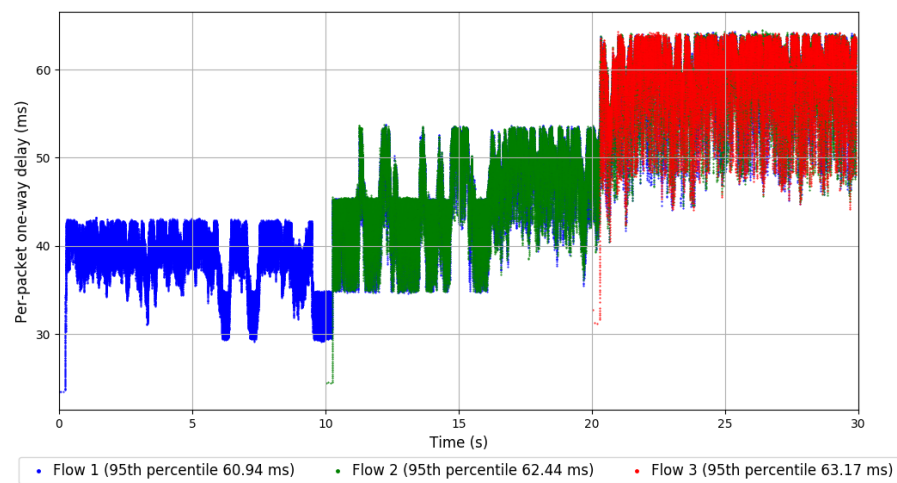
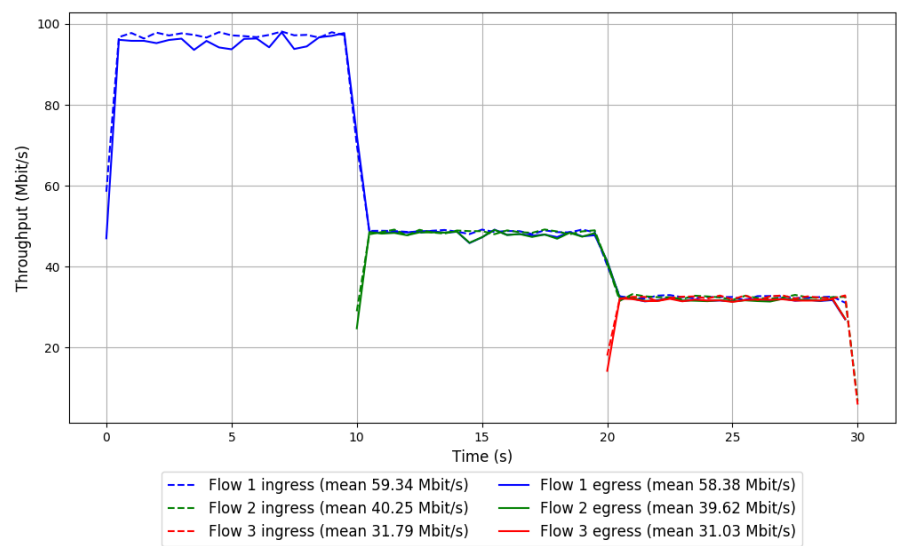


Run 7: Statistics of FillP

Start at: 2018-02-28 02:51:51
End at: 2018-02-28 02:52:21
Local clock offset: -0.316 ms
Remote clock offset: -8.388 ms

Below is generated by plot.py at 2018-02-28 09:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 62.148 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 58.38 Mbit/s
95th percentile per-packet one-way delay: 60.940 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 62.435 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 31.03 Mbit/s
95th percentile per-packet one-way delay: 63.168 ms
Loss rate: 4.17%

Run 7: Report of FillP — Data Link

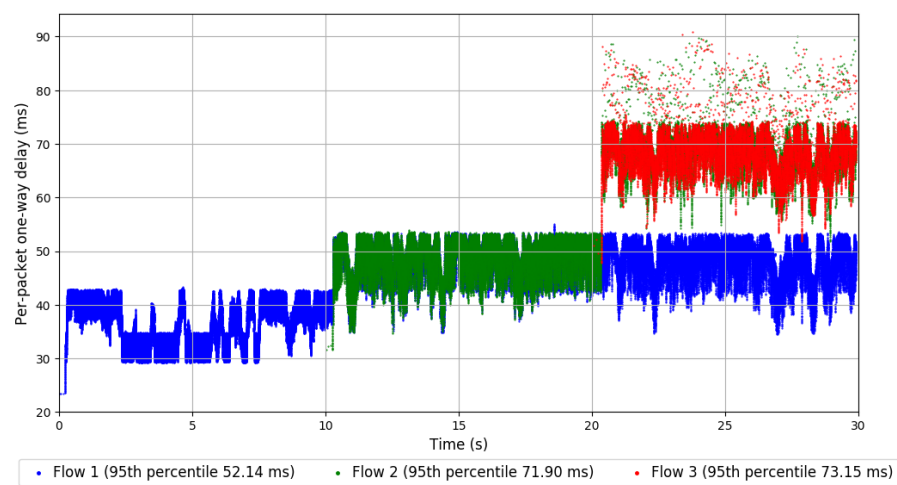
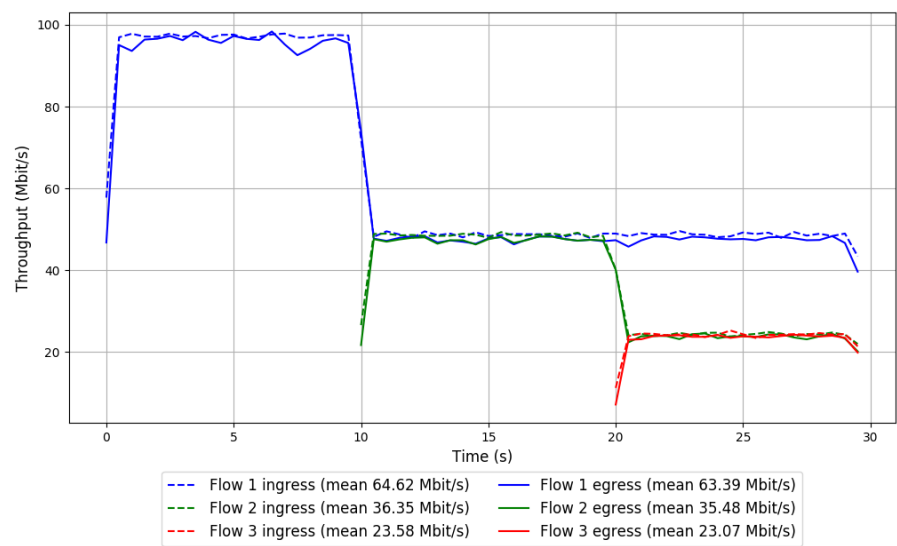


Run 8: Statistics of FillP

Start at: 2018-02-28 03:20:05
End at: 2018-02-28 03:20:35
Local clock offset: -0.698 ms
Remote clock offset: -8.793 ms

Below is generated by plot.py at 2018-02-28 09:55:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 70.182 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 63.39 Mbit/s
95th percentile per-packet one-way delay: 52.142 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 35.48 Mbit/s
95th percentile per-packet one-way delay: 71.899 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 23.07 Mbit/s
95th percentile per-packet one-way delay: 73.154 ms
Loss rate: 3.12%

Run 8: Report of FillP — Data Link

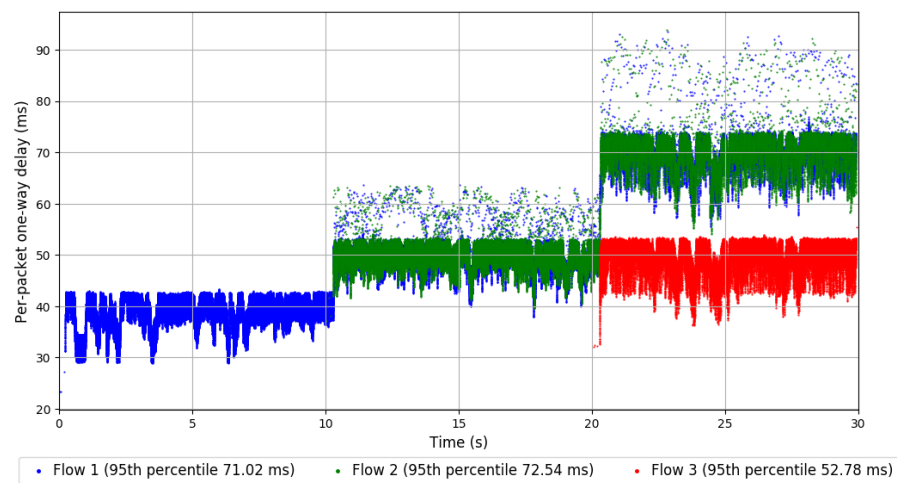
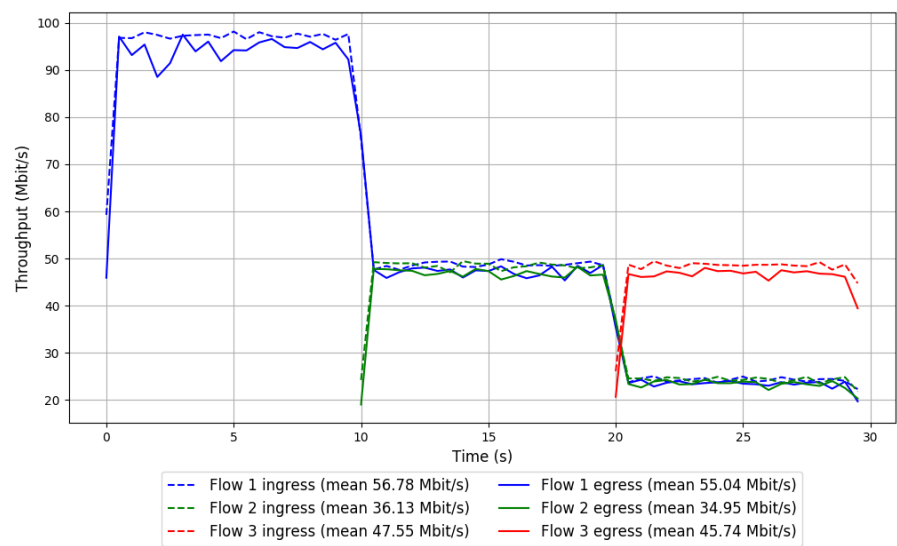


Run 9: Statistics of FillP

Start at: 2018-02-28 03:49:27
End at: 2018-02-28 03:49:57
Local clock offset: 0.903 ms
Remote clock offset: -1.929 ms

Below is generated by plot.py at 2018-02-28 09:56:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.37 Mbit/s
95th percentile per-packet one-way delay: 71.424 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 55.04 Mbit/s
95th percentile per-packet one-way delay: 71.021 ms
Loss rate: 3.30%
-- Flow 2:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 72.538 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 45.74 Mbit/s
95th percentile per-packet one-way delay: 52.776 ms
Loss rate: 4.47%

Run 9: Report of FillP — Data Link

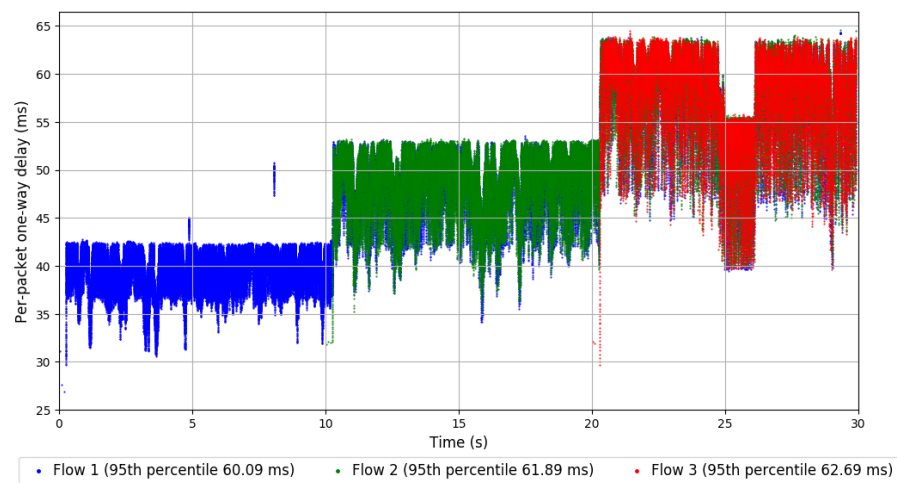
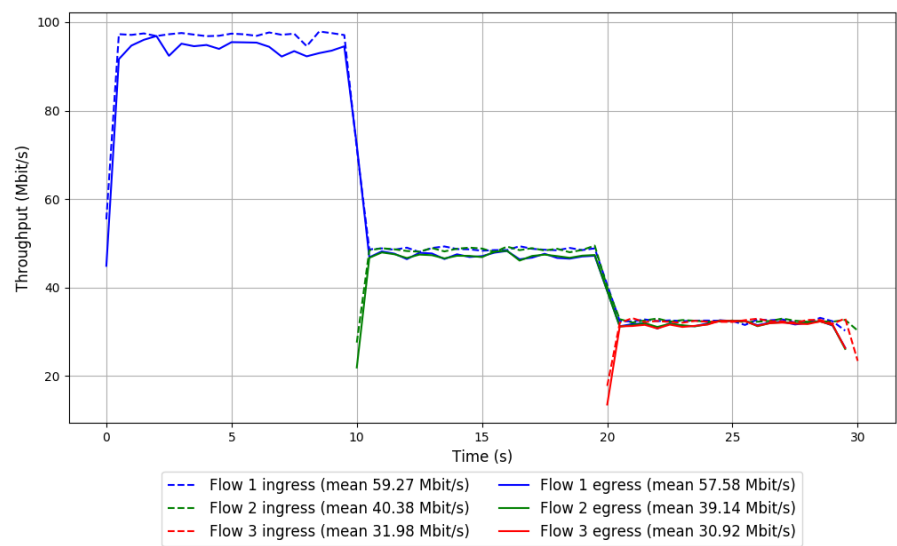


Run 10: Statistics of FillP

Start at: 2018-02-28 04:19:27
End at: 2018-02-28 04:19:57
Local clock offset: -4.819 ms
Remote clock offset: -5.296 ms

Below is generated by plot.py at 2018-02-28 09:56:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 61.508 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 57.58 Mbit/s
95th percentile per-packet one-way delay: 60.090 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 61.891 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 62.688 ms
Loss rate: 7.05%

Run 10: Report of FillP — Data Link

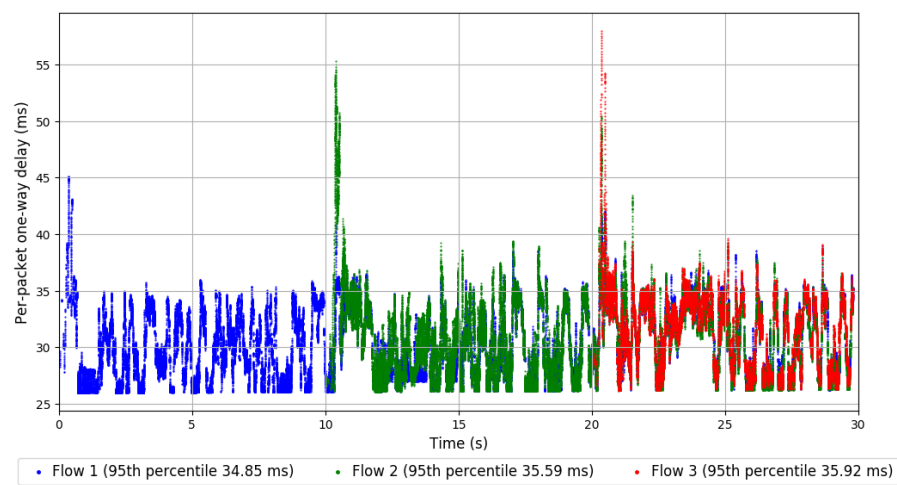
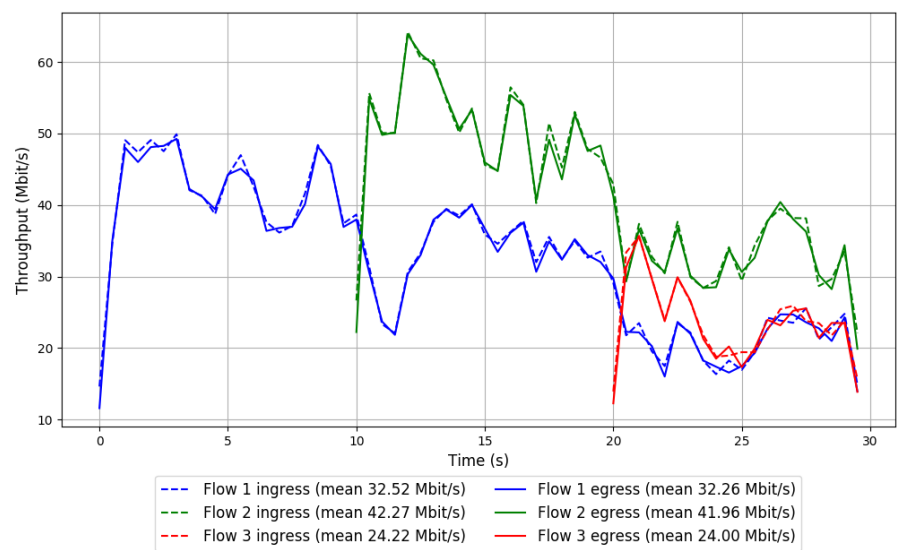


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-28 00:07:12
End at: 2018-02-28 00:07:42
Local clock offset: -1.752 ms
Remote clock offset: -6.209 ms

Below is generated by plot.py at 2018-02-28 09:56:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.95 Mbit/s
95th percentile per-packet one-way delay: 35.221 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 32.26 Mbit/s
95th percentile per-packet one-way delay: 34.846 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 35.588 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 35.917 ms
Loss rate: 1.47%

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

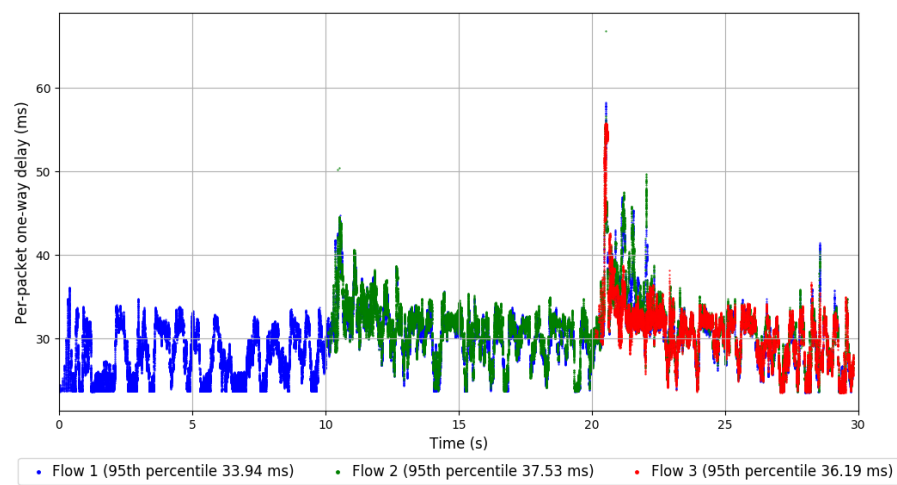
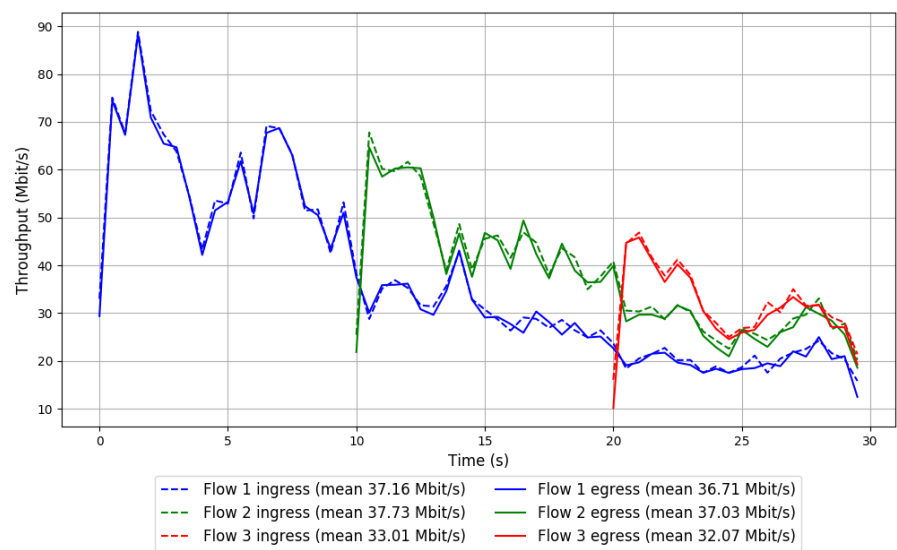


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-28 00:34:24
End at: 2018-02-28 00:34:54
Local clock offset: -7.376 ms
Remote clock offset: -2.445 ms

Below is generated by plot.py at 2018-02-28 09:56:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.68 Mbit/s
95th percentile per-packet one-way delay: 35.854 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 36.71 Mbit/s
95th percentile per-packet one-way delay: 33.943 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 37.03 Mbit/s
95th percentile per-packet one-way delay: 37.528 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 36.192 ms
Loss rate: 3.44%

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

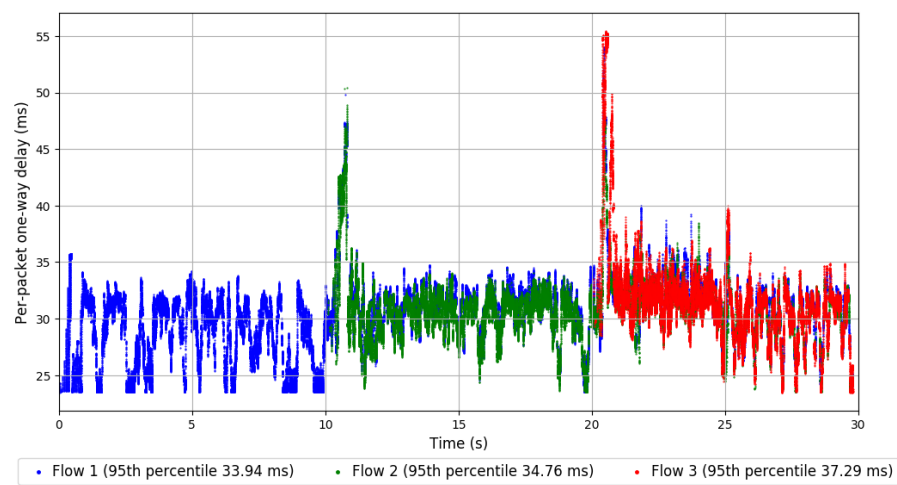
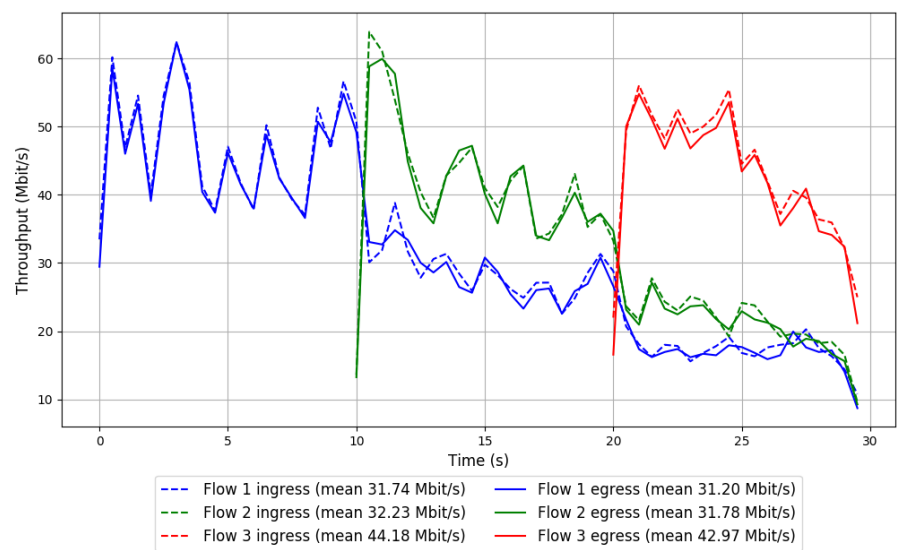


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-28 01:01:57
End at: 2018-02-28 01:02:27
Local clock offset: -7.059 ms
Remote clock offset: -9.142 ms

Below is generated by plot.py at 2018-02-28 09:56:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.22 Mbit/s
95th percentile per-packet one-way delay: 34.862 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 31.20 Mbit/s
95th percentile per-packet one-way delay: 33.938 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 34.756 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 37.292 ms
Loss rate: 3.35%

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

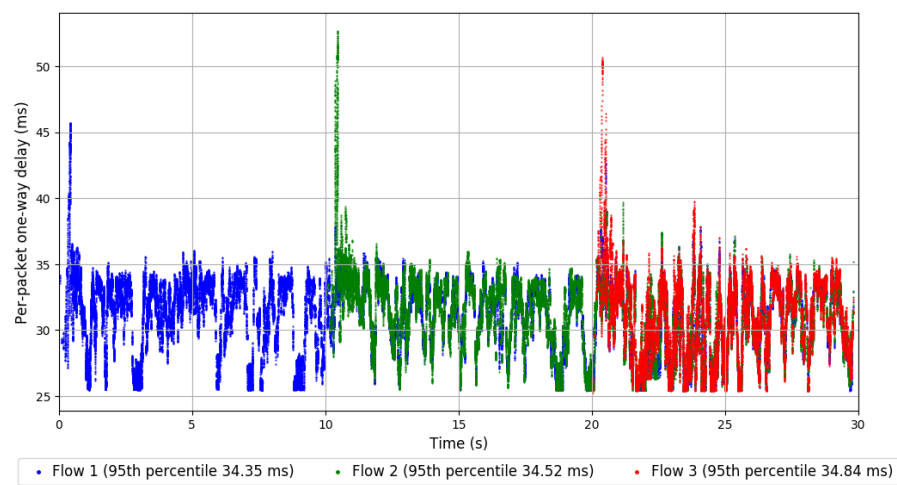
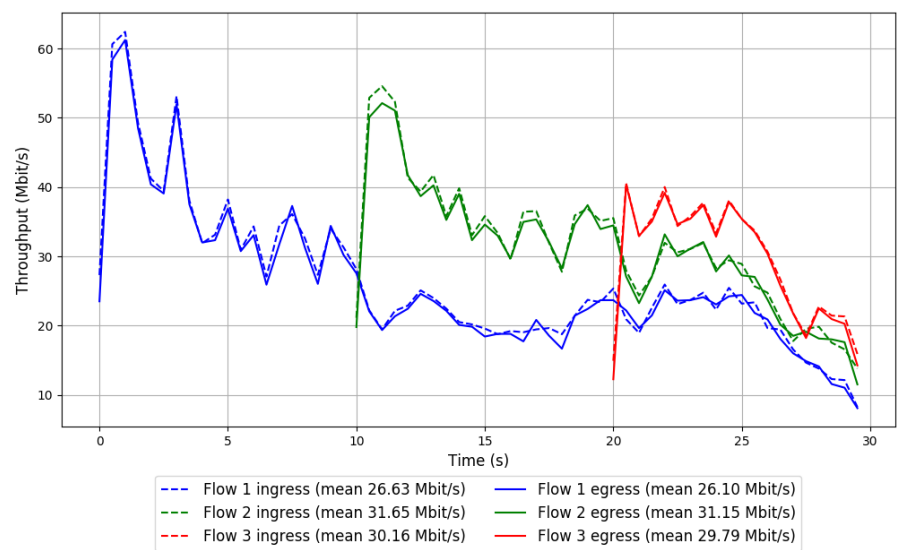


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-28 01:29:38
End at: 2018-02-28 01:30:08
Local clock offset: -0.834 ms
Remote clock offset: -10.397 ms

Below is generated by plot.py at 2018-02-28 09:56:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 34.465 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 34.351 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 34.521 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 34.840 ms
Loss rate: 1.78%

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

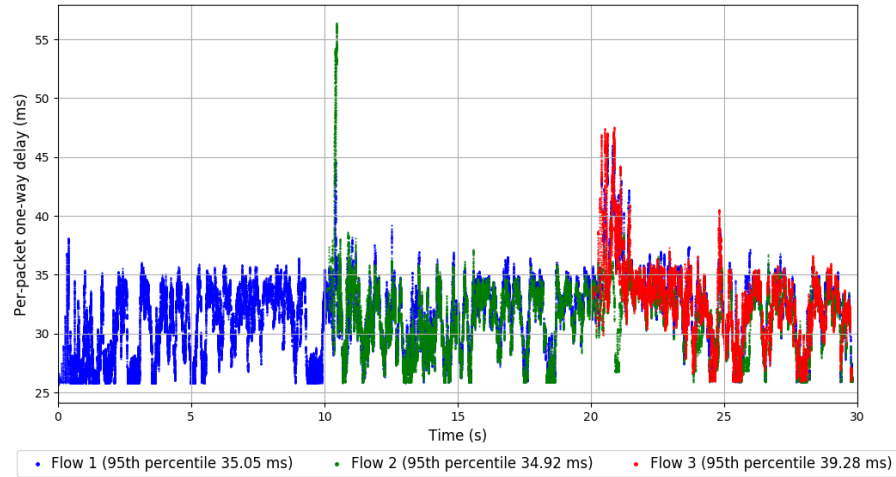
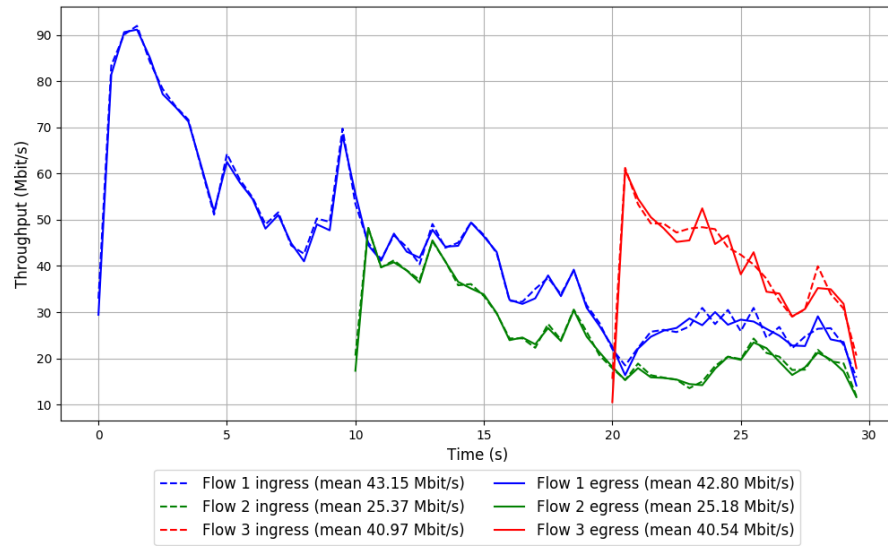


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-28 01:56:58
End at: 2018-02-28 01:57:28
Local clock offset: 0.715 ms
Remote clock offset: -6.527 ms

Below is generated by plot.py at 2018-02-28 09:56:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.73 Mbit/s
95th percentile per-packet one-way delay: 35.512 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 35.054 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 34.916 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 39.281 ms
Loss rate: 1.65%

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

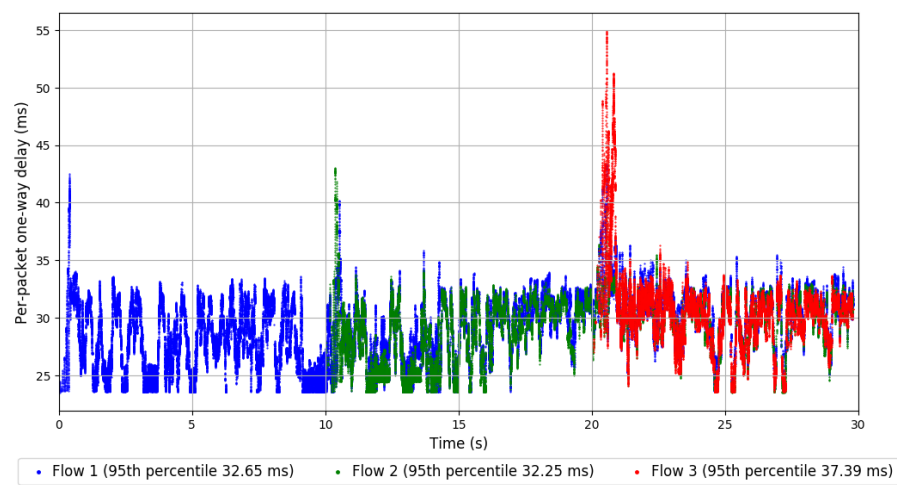
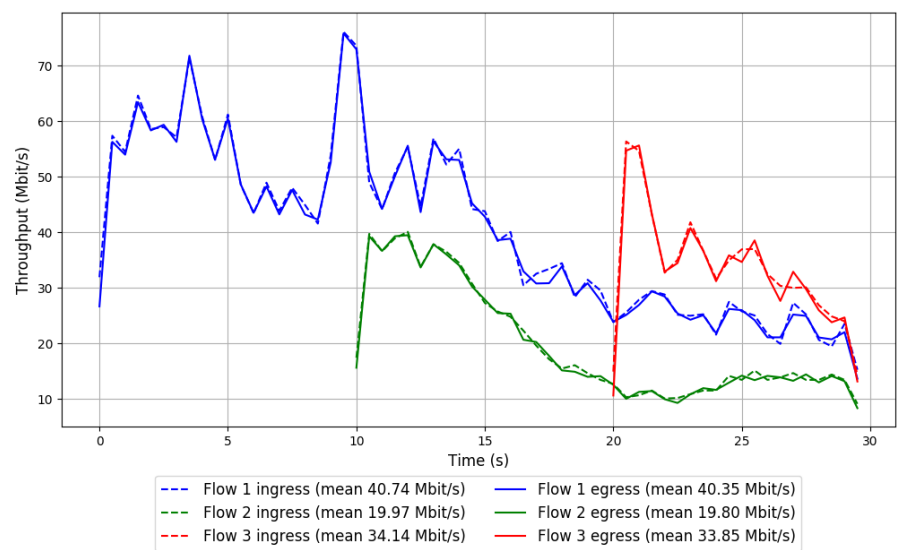


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-28 02:24:54
End at: 2018-02-28 02:25:24
Local clock offset: 0.337 ms
Remote clock offset: -5.714 ms

Below is generated by plot.py at 2018-02-28 09:56:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.54 Mbit/s
95th percentile per-packet one-way delay: 32.826 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 32.646 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 19.80 Mbit/s
95th percentile per-packet one-way delay: 32.247 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 37.391 ms
Loss rate: 1.42%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-02-28 02:53:26

End at: 2018-02-28 02:53:56

Local clock offset: -0.292 ms

Remote clock offset: -8.41 ms

Below is generated by plot.py at 2018-02-28 09:56:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.04 Mbit/s

95th percentile per-packet one-way delay: 32.915 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 27.38 Mbit/s

95th percentile per-packet one-way delay: 32.436 ms

Loss rate: 1.27%

-- Flow 2:

Average throughput: 22.45 Mbit/s

95th percentile per-packet one-way delay: 32.327 ms

Loss rate: 0.83%

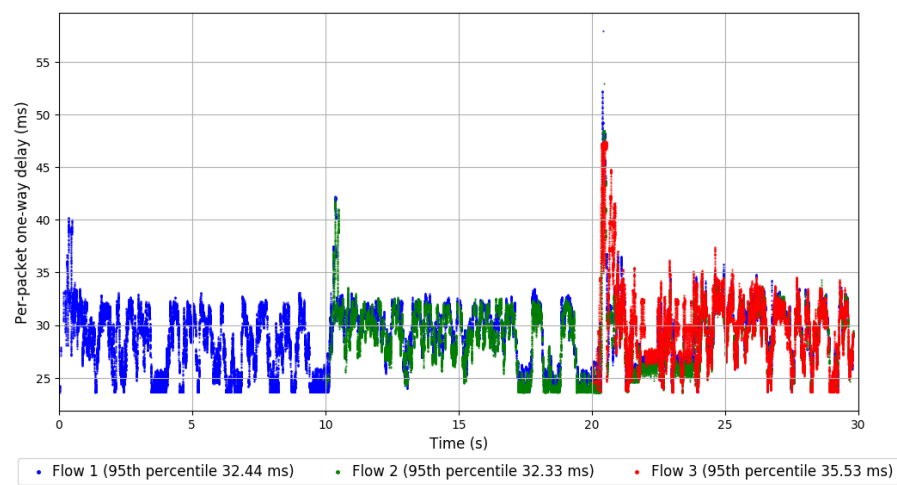
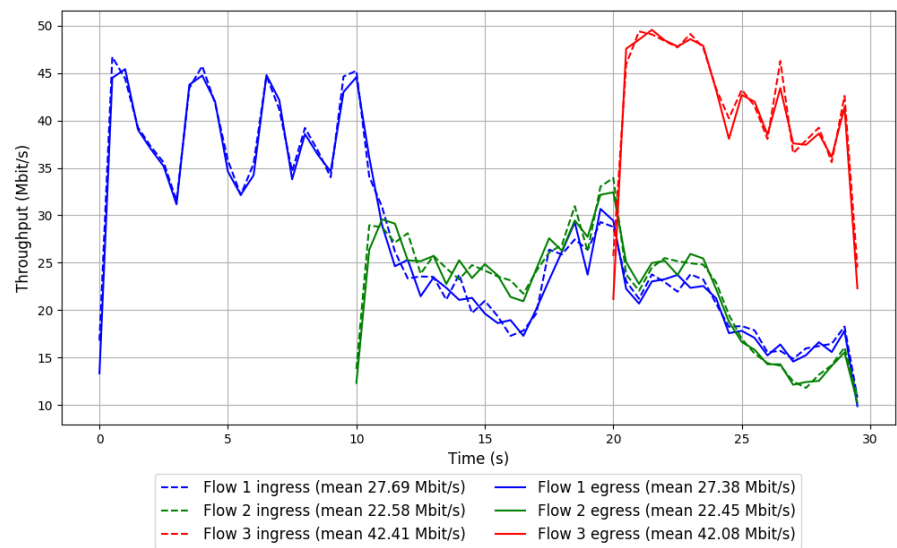
-- Flow 3:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 35.527 ms

Loss rate: 1.34%

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

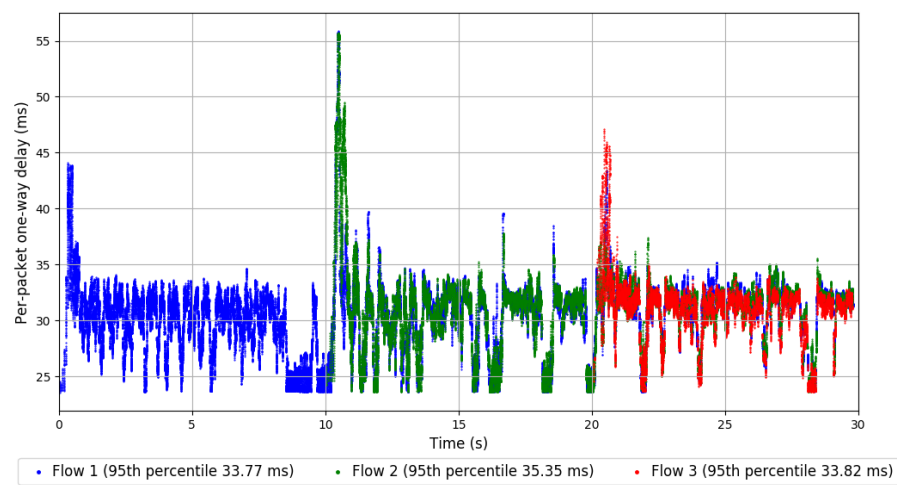
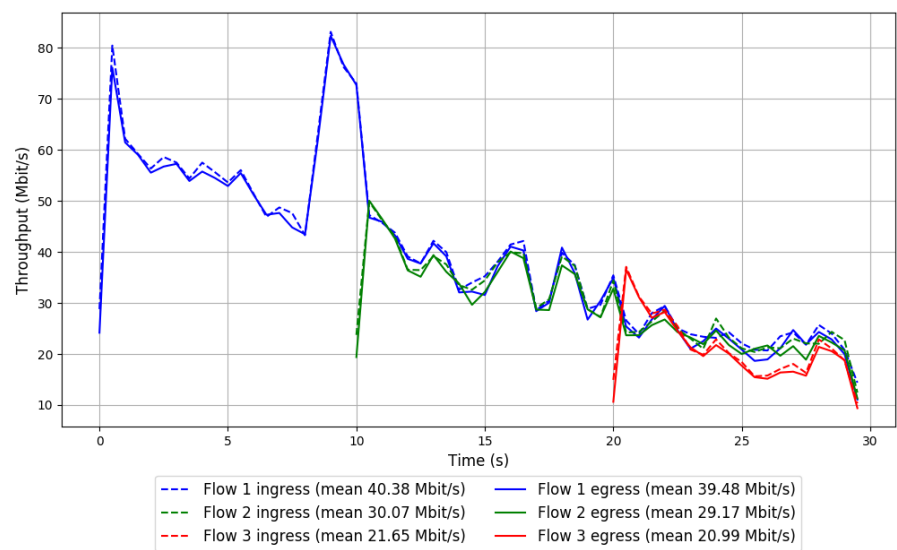


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-28 03:21:44
End at: 2018-02-28 03:22:14
Local clock offset: -0.707 ms
Remote clock offset: -8.995 ms

Below is generated by plot.py at 2018-02-28 09:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.66 Mbit/s
95th percentile per-packet one-way delay: 34.081 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 39.48 Mbit/s
95th percentile per-packet one-way delay: 33.767 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 35.349 ms
Loss rate: 3.28%
-- Flow 3:
Average throughput: 20.99 Mbit/s
95th percentile per-packet one-way delay: 33.818 ms
Loss rate: 3.61%

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

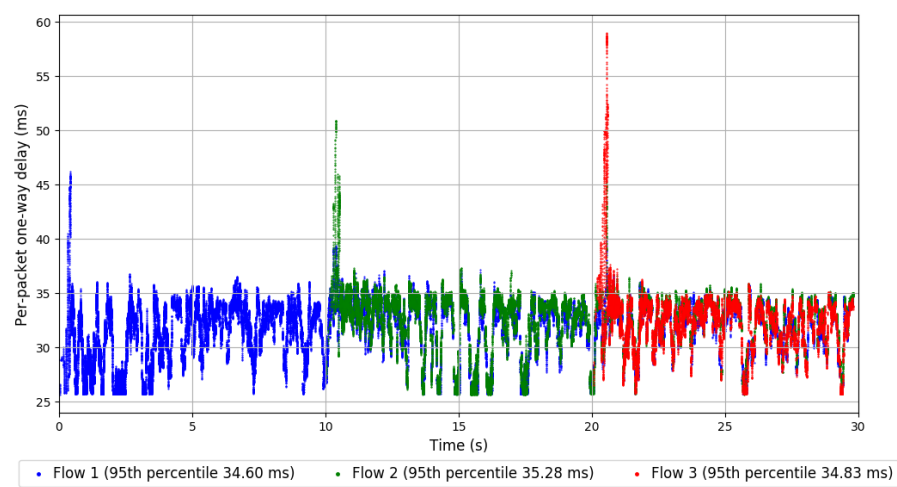
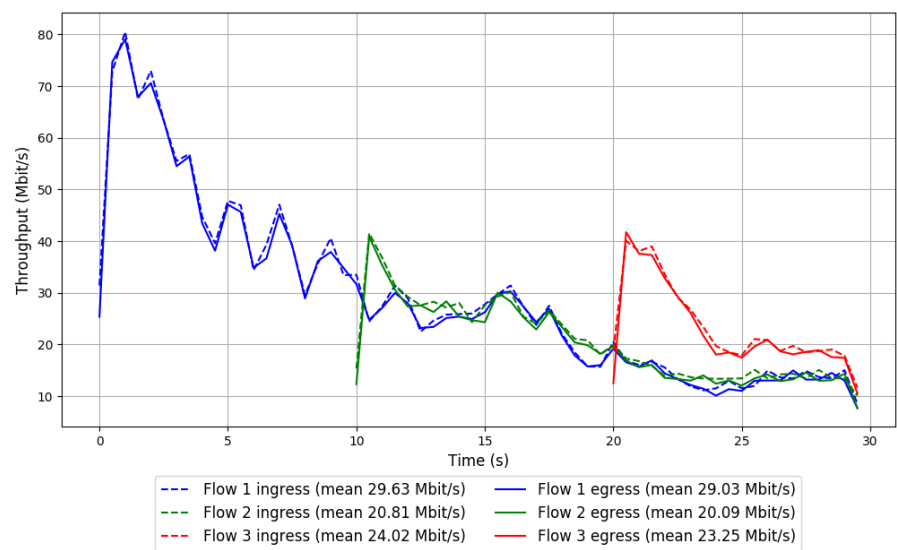


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-28 03:51:11
End at: 2018-02-28 03:51:41
Local clock offset: 0.993 ms
Remote clock offset: -4.075 ms

Below is generated by plot.py at 2018-02-28 09:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 34.909 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 34.603 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 35.280 ms
Loss rate: 3.73%
-- Flow 3:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 34.828 ms
Loss rate: 3.77%

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

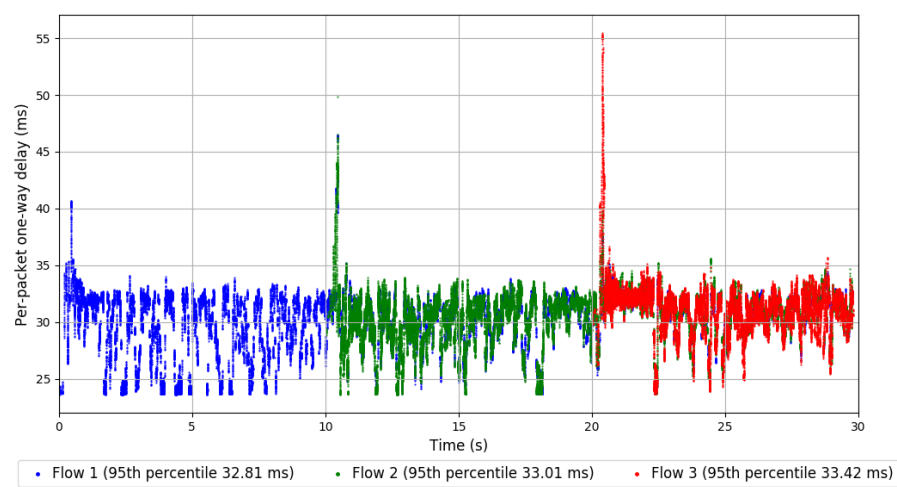
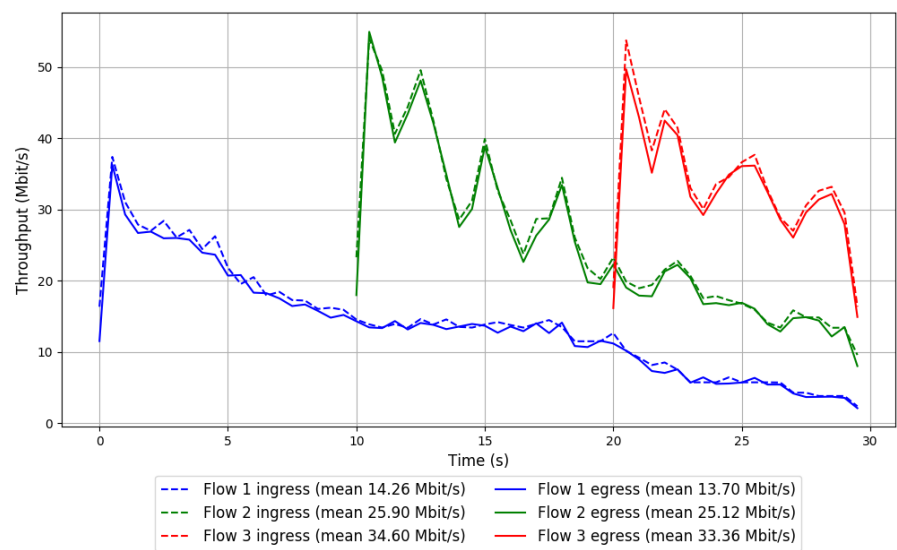


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-28 04:21:27
End at: 2018-02-28 04:21:57
Local clock offset: -5.255 ms
Remote clock offset: -6.029 ms

Below is generated by plot.py at 2018-02-28 09:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 33.085 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 13.70 Mbit/s
95th percentile per-packet one-way delay: 32.807 ms
Loss rate: 4.13%
-- Flow 2:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 33.008 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 33.416 ms
Loss rate: 4.19%

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

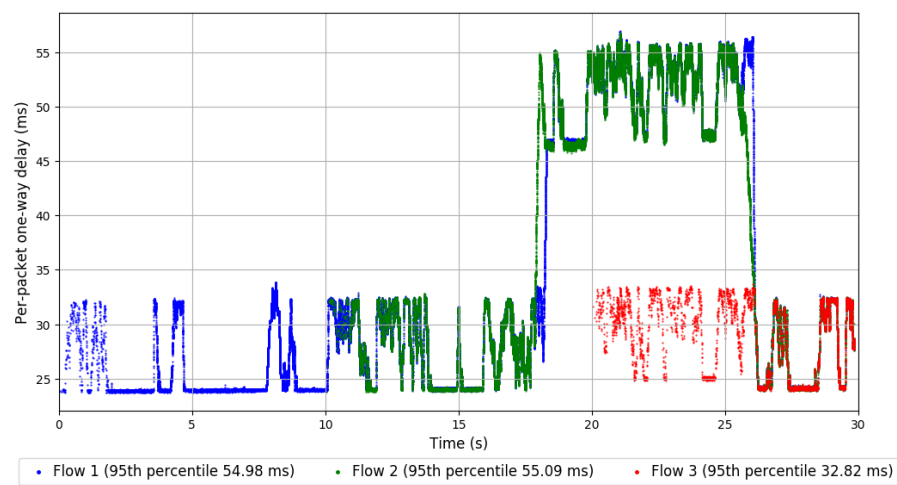
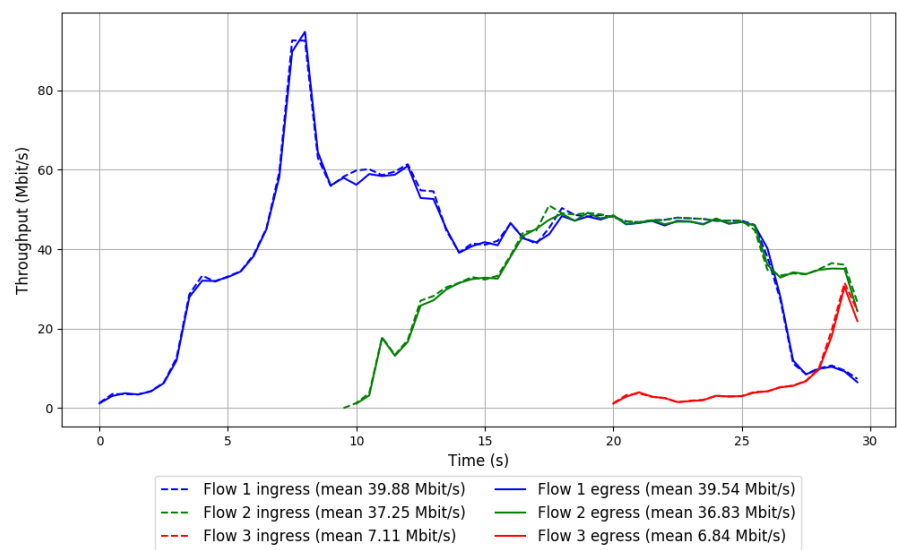


Run 1: Statistics of Vivace-latency

Start at: 2018-02-28 00:10:14
End at: 2018-02-28 00:10:44
Local clock offset: -3.054 ms
Remote clock offset: -3.842 ms

Below is generated by plot.py at 2018-02-28 09:57:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 55.003 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 39.54 Mbit/s
95th percentile per-packet one-way delay: 54.977 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 55.087 ms
Loss rate: 1.37%
-- Flow 3:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 32.823 ms
Loss rate: 4.41%

Run 1: Report of Vivace-latency — Data Link

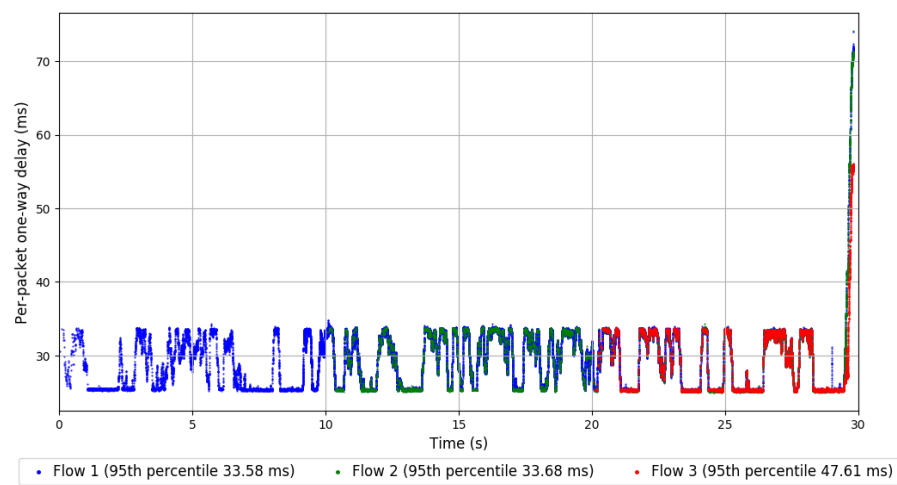
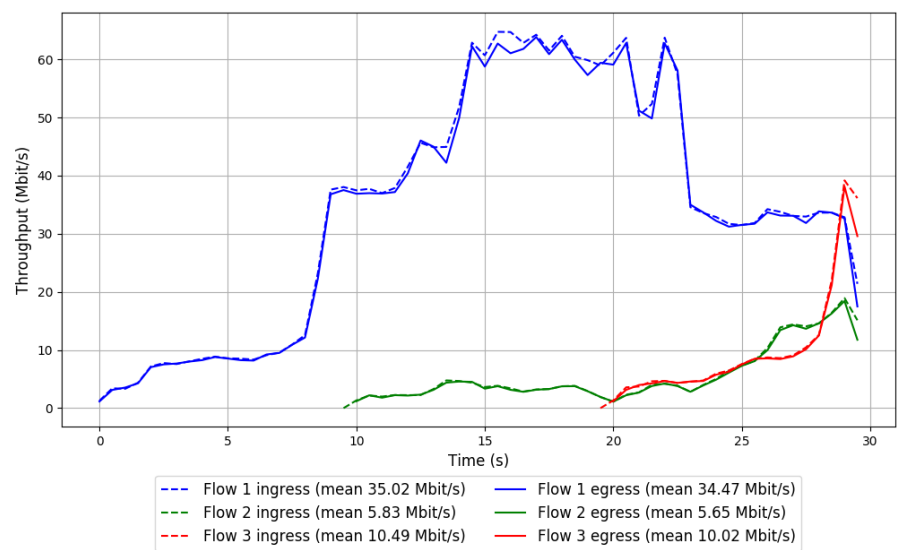


Run 2: Statistics of Vivace-latency

Start at: 2018-02-28 00:37:23
End at: 2018-02-28 00:37:53
Local clock offset: -7.642 ms
Remote clock offset: -6.035 ms

Below is generated by plot.py at 2018-02-28 09:57:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 33.590 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 34.47 Mbit/s
95th percentile per-packet one-way delay: 33.575 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 33.680 ms
Loss rate: 3.39%
-- Flow 3:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 47.608 ms
Loss rate: 5.09%

Run 2: Report of Vivace-latency — Data Link

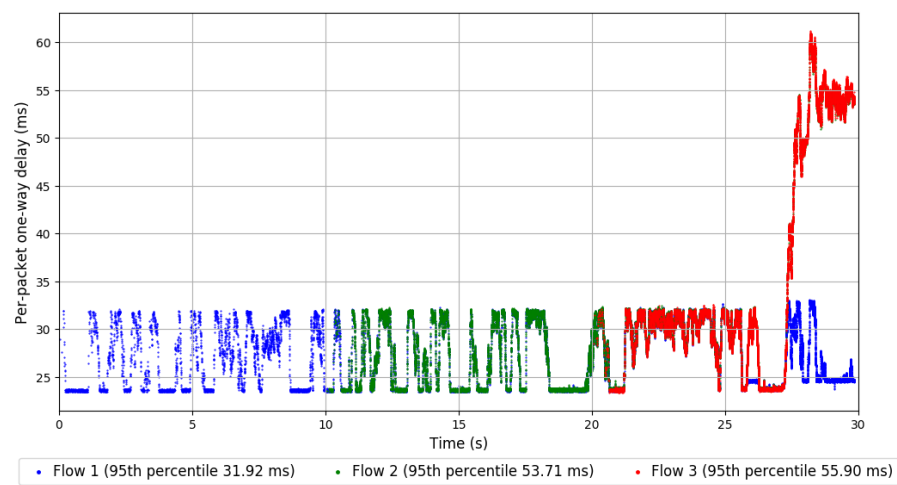
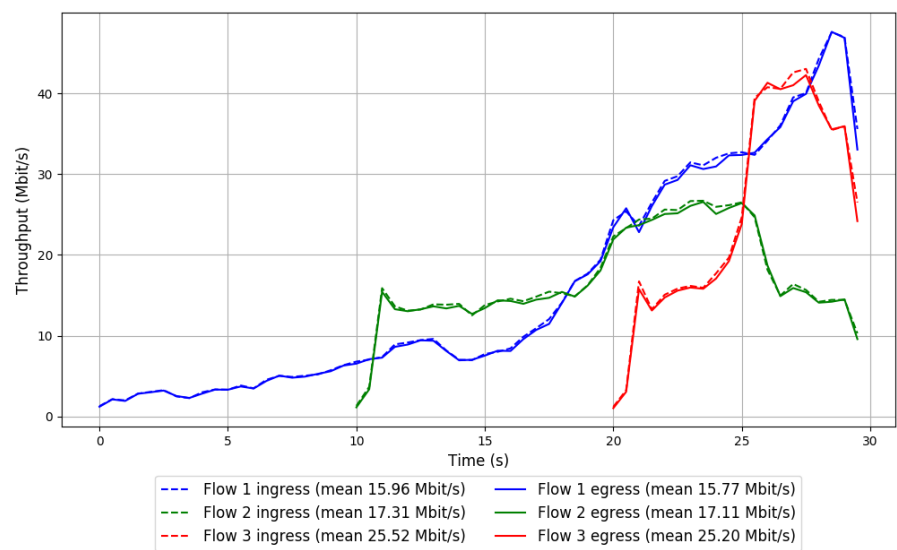


Run 3: Statistics of Vivace-latency

Start at: 2018-02-28 01:04:58
End at: 2018-02-28 01:05:28
Local clock offset: -7.042 ms
Remote clock offset: -9.188 ms

Below is generated by plot.py at 2018-02-28 09:57:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 54.003 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 31.921 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 17.11 Mbit/s
95th percentile per-packet one-way delay: 53.707 ms
Loss rate: 1.39%
-- Flow 3:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 55.898 ms
Loss rate: 1.84%

Run 3: Report of Vivace-latency — Data Link

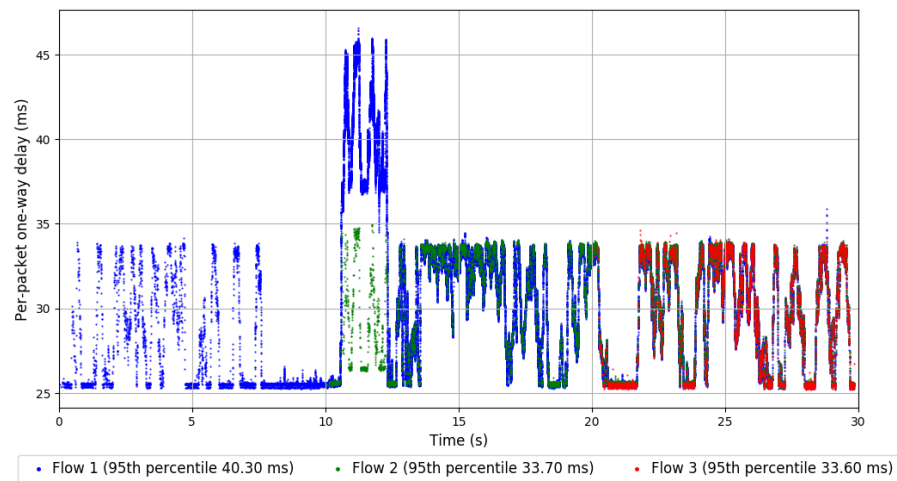
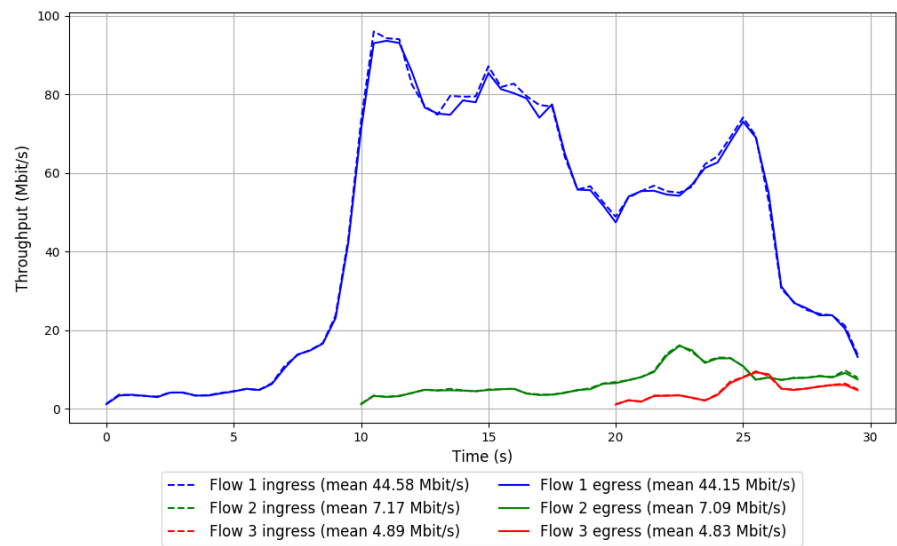


Run 4: Statistics of Vivace-latency

Start at: 2018-02-28 01:32:47
End at: 2018-02-28 01:33:17
Local clock offset: -0.043 ms
Remote clock offset: -10.223 ms

Below is generated by plot.py at 2018-02-28 09:57:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.45 Mbit/s
95th percentile per-packet one-way delay: 39.686 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 44.15 Mbit/s
95th percentile per-packet one-way delay: 40.299 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 33.698 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 33.600 ms
Loss rate: 1.74%

Run 4: Report of Vivace-latency — Data Link

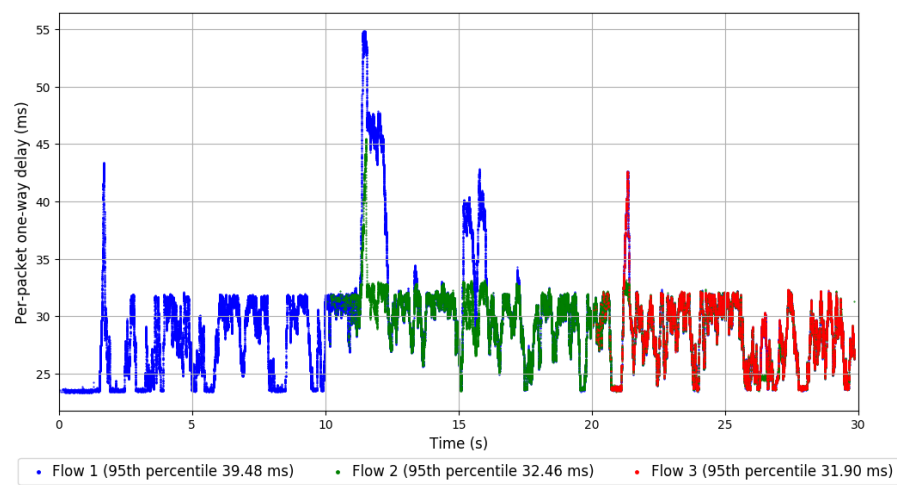
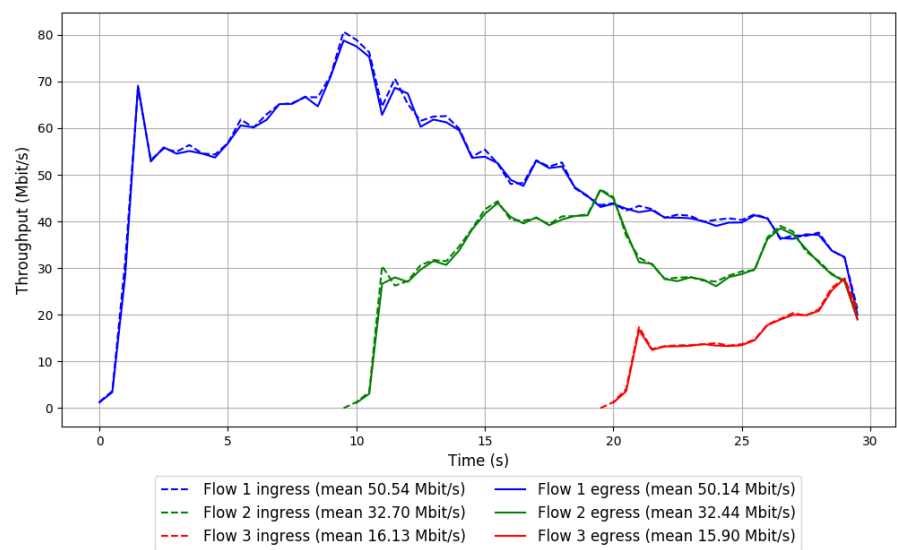


Run 5: Statistics of Vivace-latency

Start at: 2018-02-28 01:59:53
End at: 2018-02-28 02:00:23
Local clock offset: 0.404 ms
Remote clock offset: -4.015 ms

Below is generated by plot.py at 2018-02-28 09:58:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 36.650 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 39.476 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 32.44 Mbit/s
95th percentile per-packet one-way delay: 32.458 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 31.902 ms
Loss rate: 2.01%

Run 5: Report of Vivace-latency — Data Link

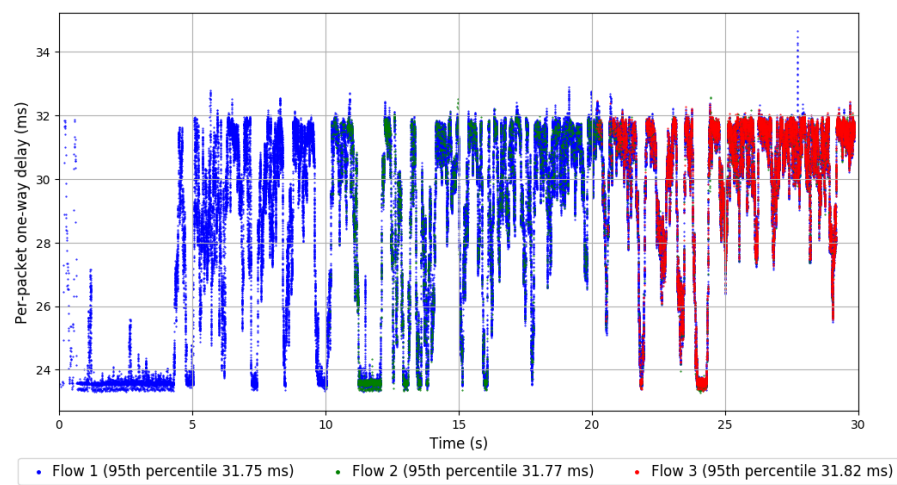
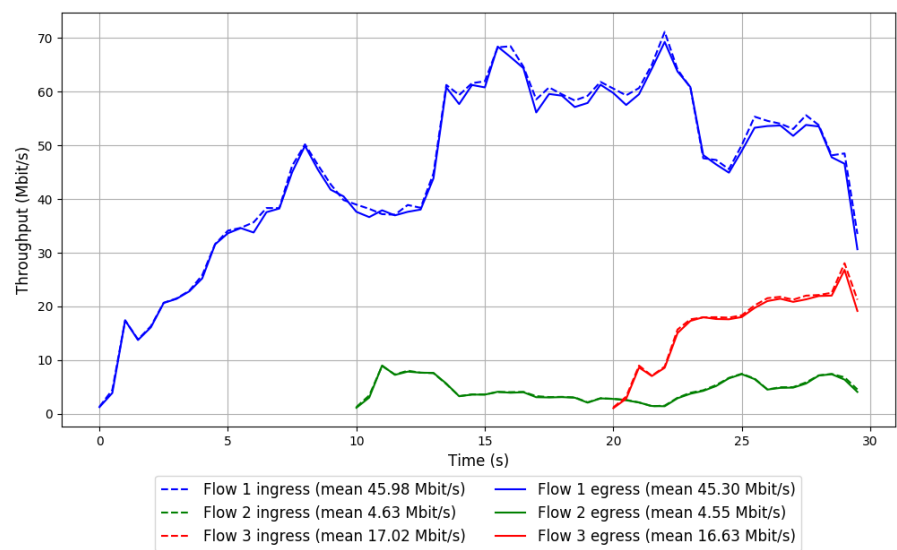


Run 6: Statistics of Vivace-latency

Start at: 2018-02-28 02:27:58
End at: 2018-02-28 02:28:28
Local clock offset: 0.07 ms
Remote clock offset: -6.333 ms

Below is generated by plot.py at 2018-02-28 09:58:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.79 Mbit/s
95th percentile per-packet one-way delay: 31.758 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 45.30 Mbit/s
95th percentile per-packet one-way delay: 31.745 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 31.772 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 16.63 Mbit/s
95th percentile per-packet one-way delay: 31.817 ms
Loss rate: 2.84%

Run 6: Report of Vivace-latency — Data Link

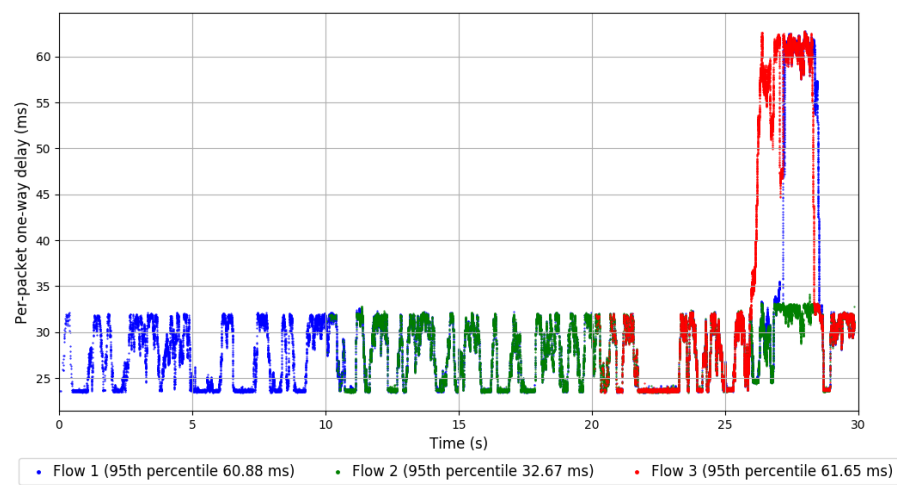
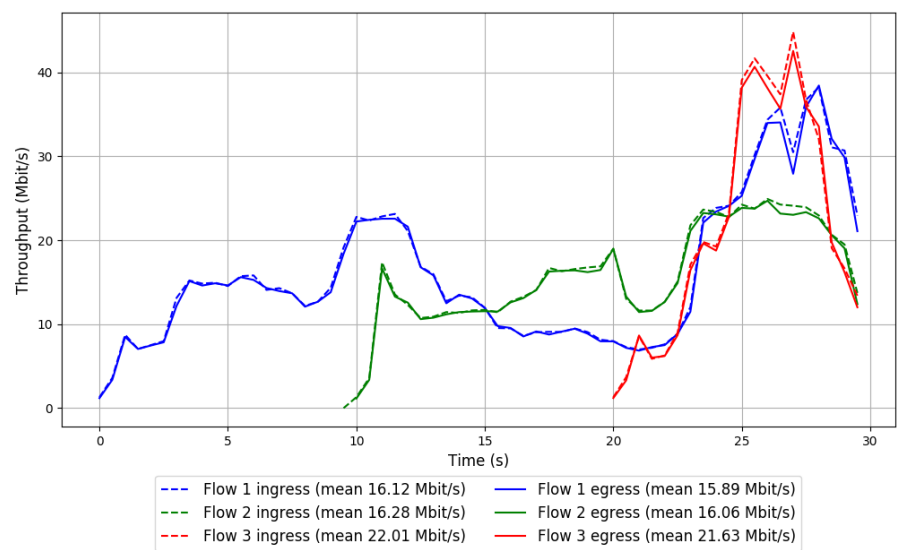


Run 7: Statistics of Vivace-latency

Start at: 2018-02-28 02:56:19
End at: 2018-02-28 02:56:49
Local clock offset: -0.218 ms
Remote clock offset: -8.386 ms

Below is generated by plot.py at 2018-02-28 09:58:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.67 Mbit/s
95th percentile per-packet one-way delay: 60.894 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 60.885 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 32.670 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 21.63 Mbit/s
95th percentile per-packet one-way delay: 61.645 ms
Loss rate: 2.34%

Run 7: Report of Vivace-latency — Data Link

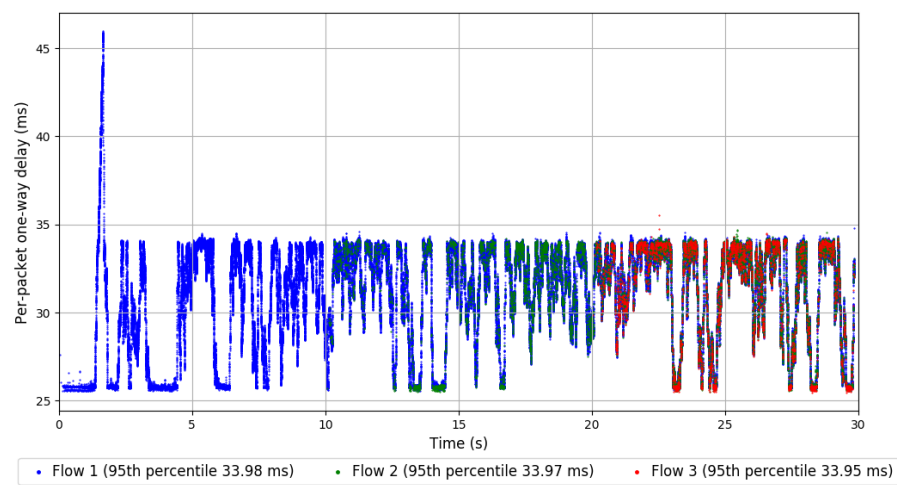
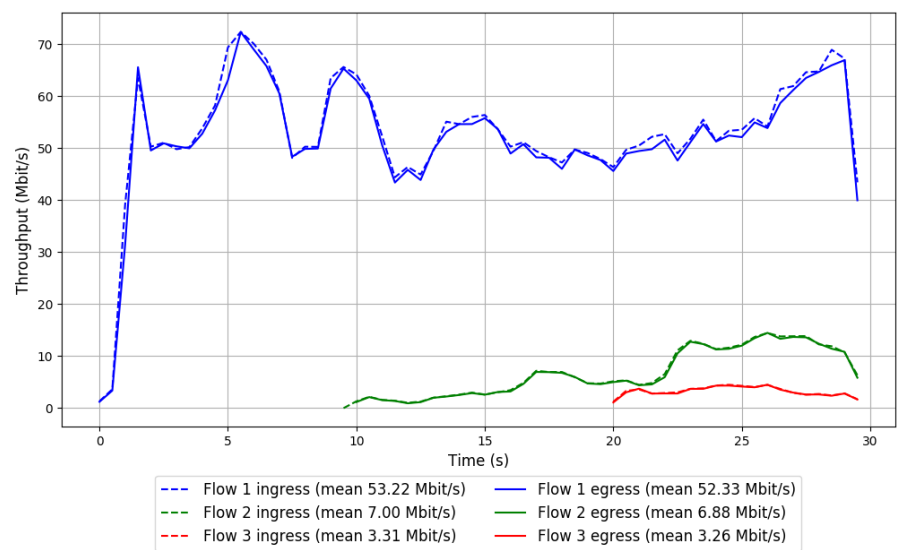


Run 8: Statistics of Vivace-latency

Start at: 2018-02-28 03:24:48
End at: 2018-02-28 03:25:18
Local clock offset: -0.671 ms
Remote clock offset: -11.241 ms

Below is generated by plot.py at 2018-02-28 09:58:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.97 Mbit/s
95th percentile per-packet one-way delay: 33.981 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 52.33 Mbit/s
95th percentile per-packet one-way delay: 33.983 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 33.973 ms
Loss rate: 2.11%
-- Flow 3:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 33.950 ms
Loss rate: 2.03%

Run 8: Report of Vivace-latency — Data Link

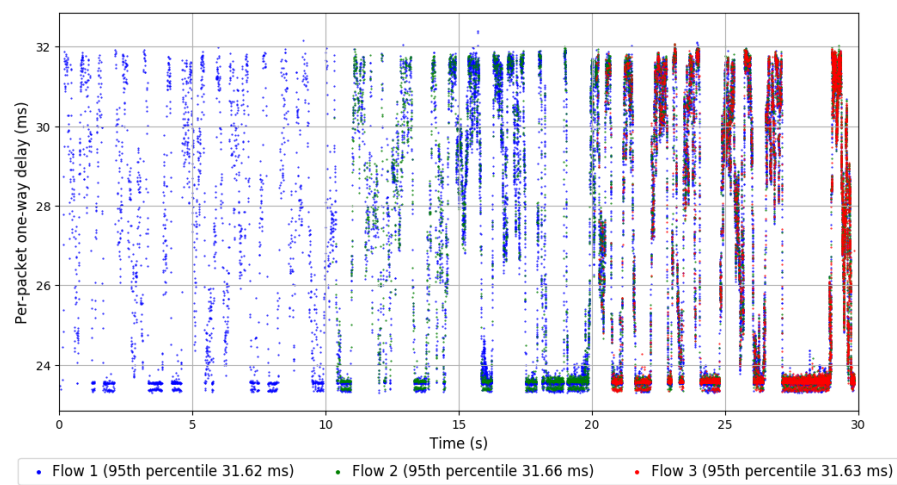
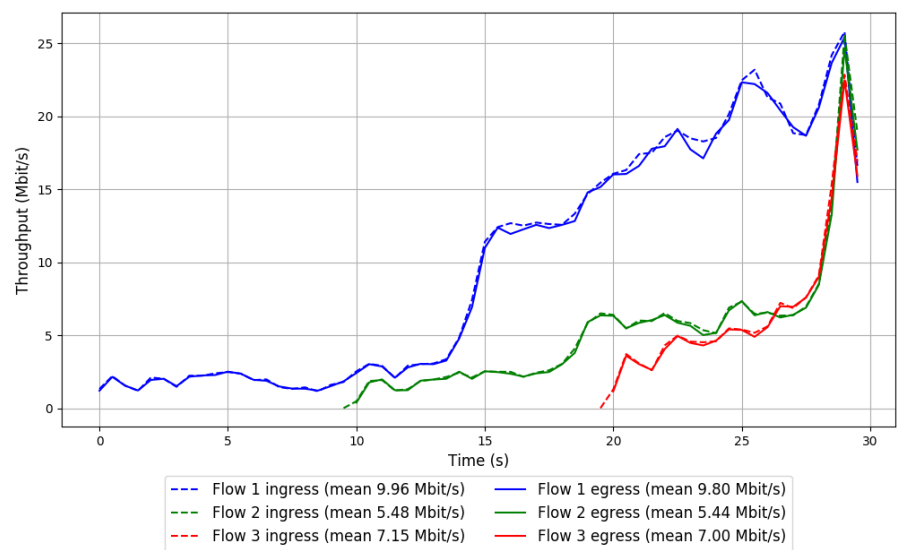


Run 9: Statistics of Vivace-latency

Start at: 2018-02-28 03:54:13
End at: 2018-02-28 03:54:43
Local clock offset: 1.054 ms
Remote clock offset: -1.912 ms

Below is generated by plot.py at 2018-02-28 09:58:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 31.631 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 31.622 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 31.655 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 31.628 ms
Loss rate: 2.67%

Run 9: Report of Vivace-latency — Data Link

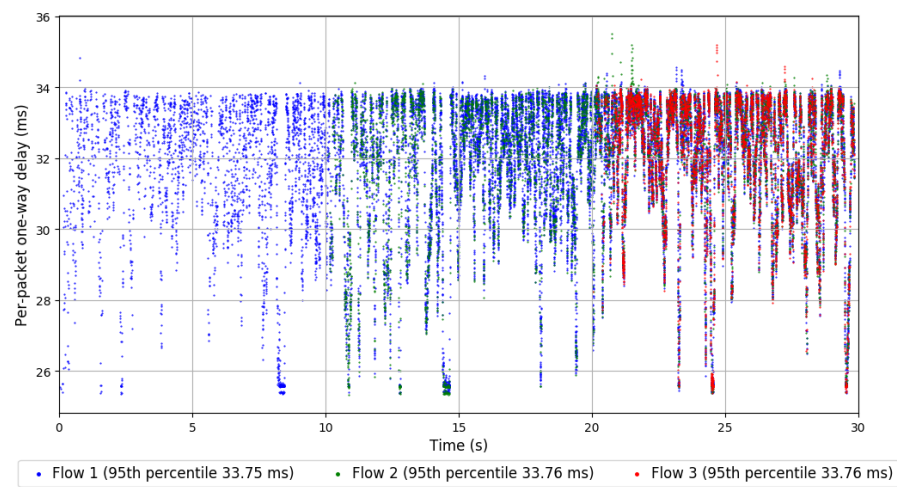
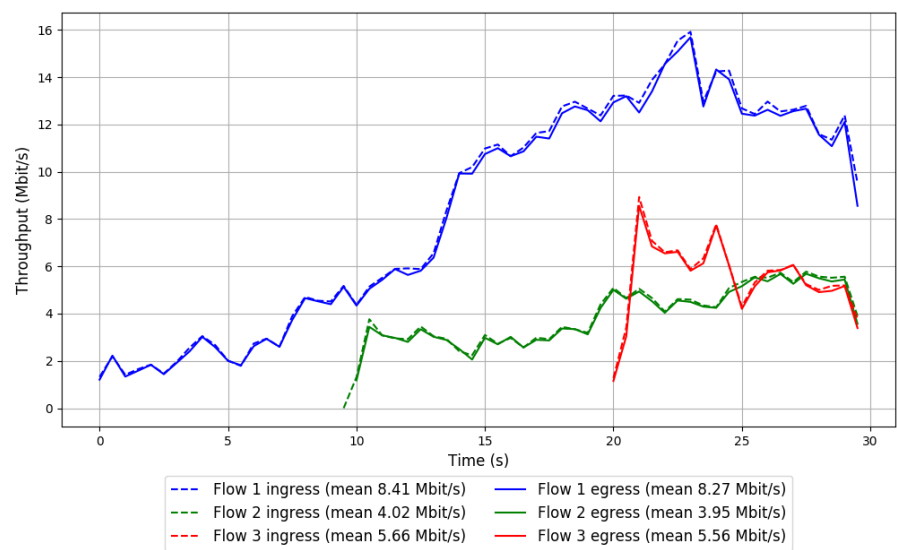


Run 10: Statistics of Vivace-latency

Start at: 2018-02-28 04:24:38
End at: 2018-02-28 04:25:08
Local clock offset: -5.845 ms
Remote clock offset: -8.281 ms

Below is generated by plot.py at 2018-02-28 09:58:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 33.754 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 33.753 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 33.758 ms
Loss rate: 2.15%
-- Flow 3:
Average throughput: 5.56 Mbit/s
95th percentile per-packet one-way delay: 33.757 ms
Loss rate: 2.37%

Run 10: Report of Vivace-latency — Data Link

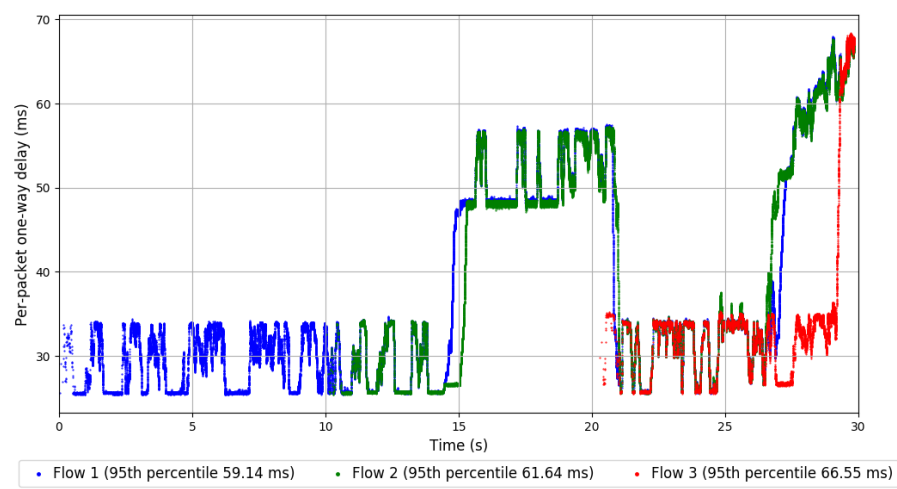
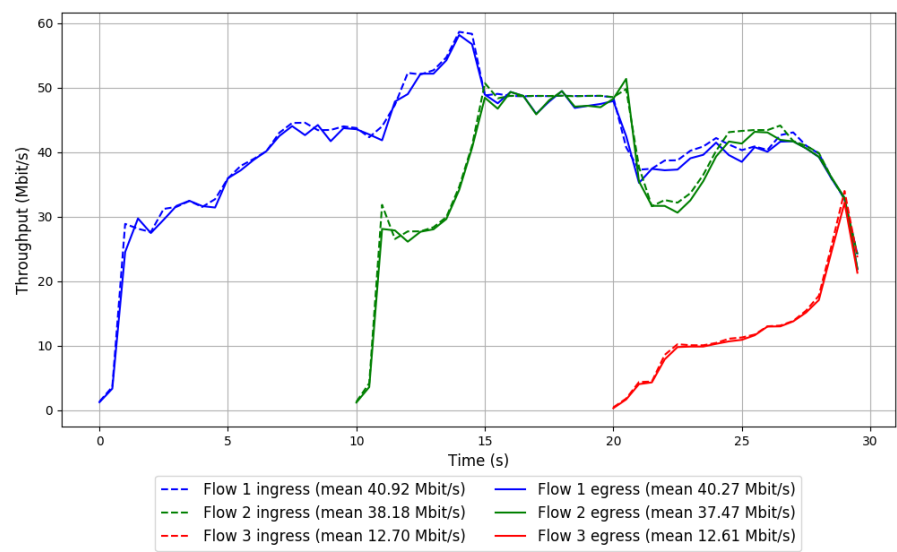


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-28 00:22:24
End at: 2018-02-28 00:22:54
Local clock offset: -6.068 ms
Remote clock offset: -4.983 ms

# Below is generated by plot.py at 2018-02-28 09:58:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.20 Mbit/s
95th percentile per-packet one-way delay: 61.376 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: 59.138 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 61.640 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 66.548 ms
Loss rate: 3.85%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-28 00:49:47

End at: 2018-02-28 00:50:17

Local clock offset: -7.042 ms

Remote clock offset: -8.25 ms

Below is generated by plot.py at 2018-02-28 09:58:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.24 Mbit/s

95th percentile per-packet one-way delay: 61.930 ms

Loss rate: 2.07%

-- Flow 1:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 61.479 ms

Loss rate: 1.95%

-- Flow 2:

Average throughput: 37.91 Mbit/s

95th percentile per-packet one-way delay: 62.568 ms

Loss rate: 2.18%

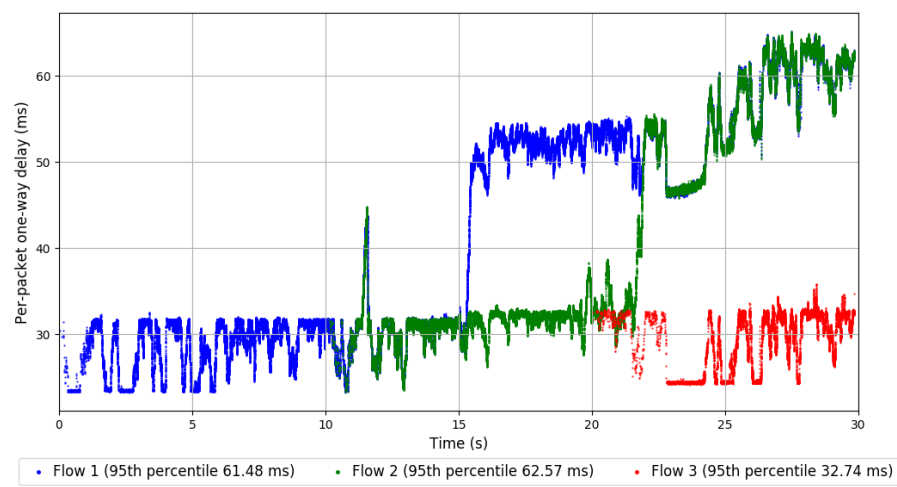
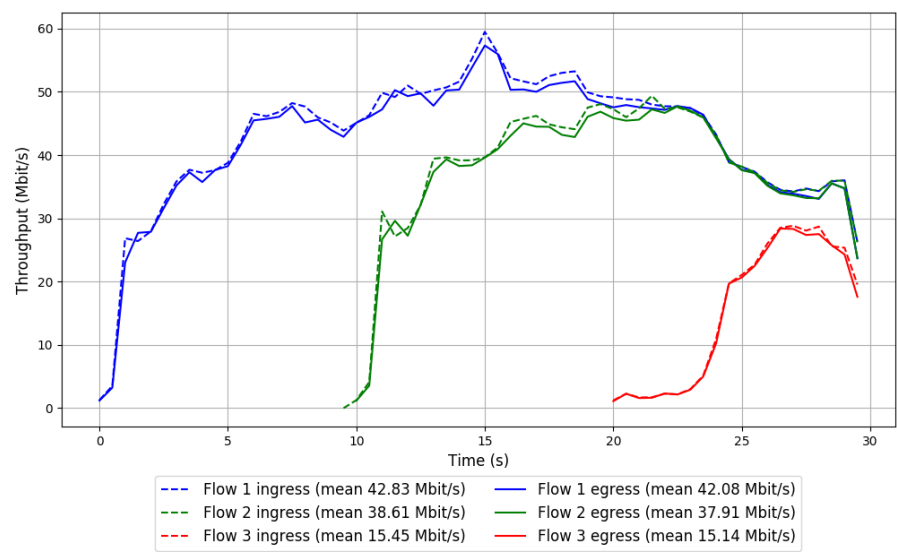
-- Flow 3:

Average throughput: 15.14 Mbit/s

95th percentile per-packet one-way delay: 32.738 ms

Loss rate: 2.59%

Run 2: Report of Vivace-loss — Data Link

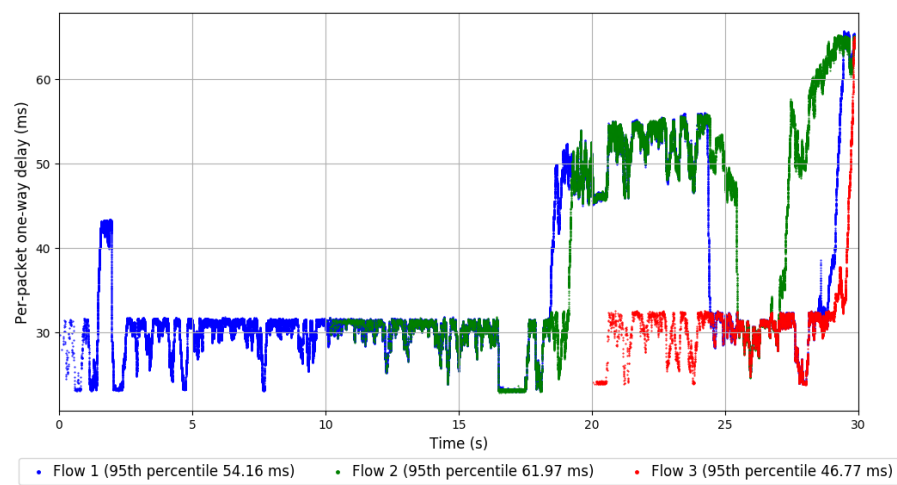
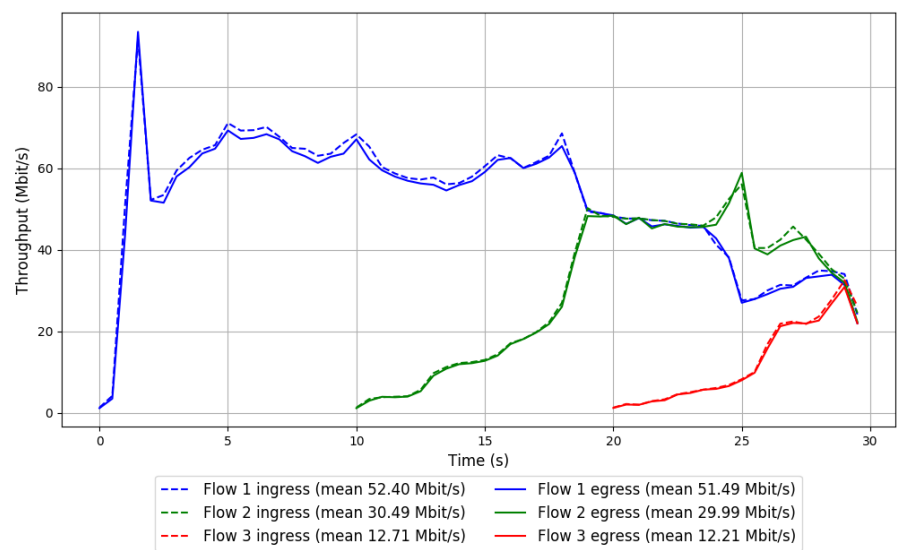


Run 3: Statistics of Vivace-loss

Start at: 2018-02-28 01:17:25
End at: 2018-02-28 01:17:55
Local clock offset: -5.752 ms
Remote clock offset: -8.837 ms

Below is generated by plot.py at 2018-02-28 09:58:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 55.134 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 51.49 Mbit/s
95th percentile per-packet one-way delay: 54.165 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 61.966 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 46.767 ms
Loss rate: 4.58%

Run 3: Report of Vivace-loss — Data Link

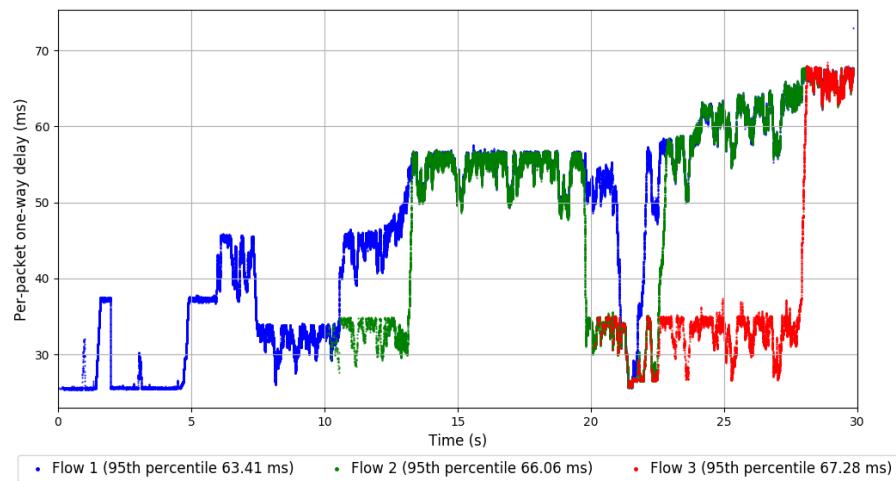
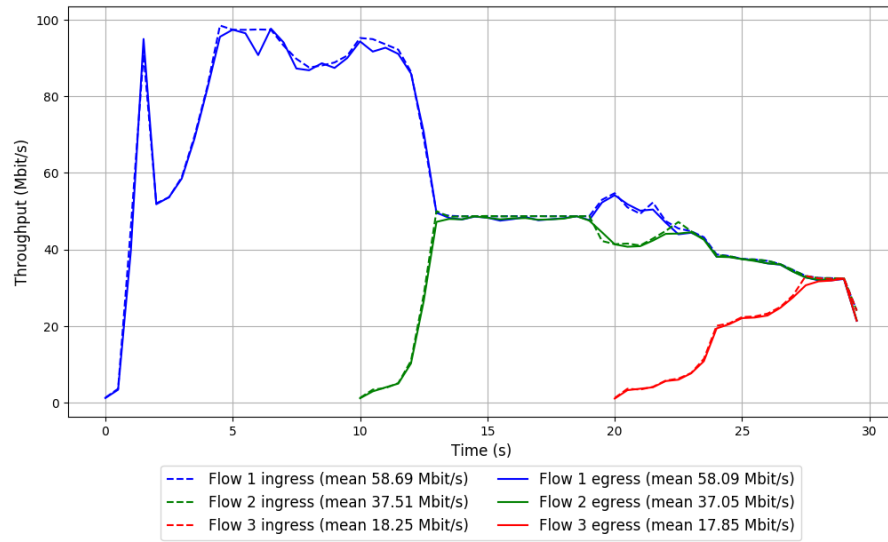


Run 4: Statistics of Vivace-loss

Start at: 2018-02-28 01:45:12
End at: 2018-02-28 01:45:42
Local clock offset: 1.761 ms
Remote clock offset: -9.083 ms

Below is generated by plot.py at 2018-02-28 09:58:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 65.508 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 63.408 ms
Loss rate: 1.18%
-- Flow 2:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 66.061 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 17.85 Mbit/s
95th percentile per-packet one-way delay: 67.284 ms
Loss rate: 2.94%

Run 4: Report of Vivace-loss — Data Link

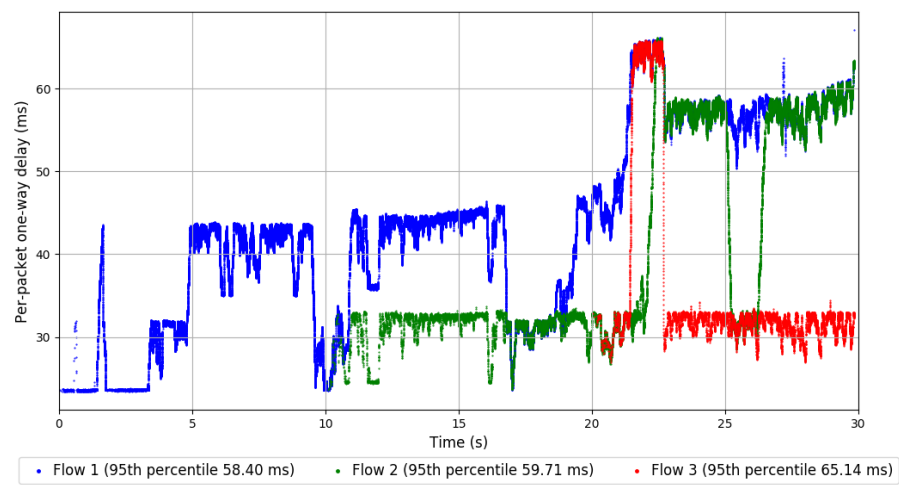
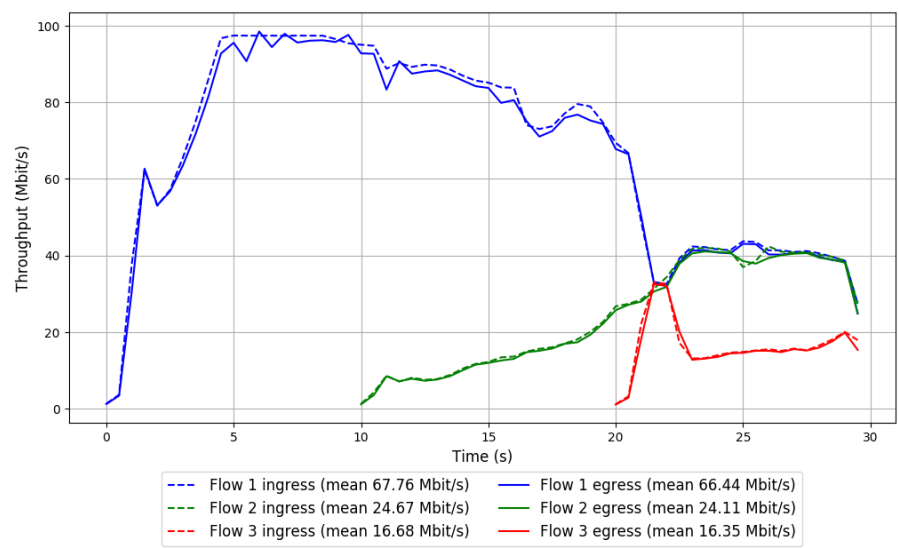


Run 5: Statistics of Vivace-loss

Start at: 2018-02-28 02:12:46
End at: 2018-02-28 02:13:16
Local clock offset: 0.25 ms
Remote clock offset: -2.961 ms

Below is generated by plot.py at 2018-02-28 09:59:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 59.309 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 58.404 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 59.711 ms
Loss rate: 2.54%
-- Flow 3:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 65.136 ms
Loss rate: 2.58%

Run 5: Report of Vivace-loss — Data Link

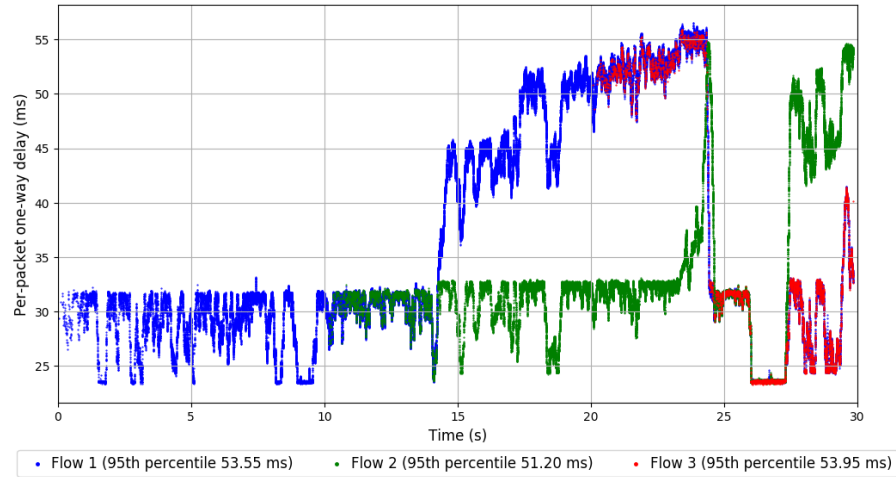
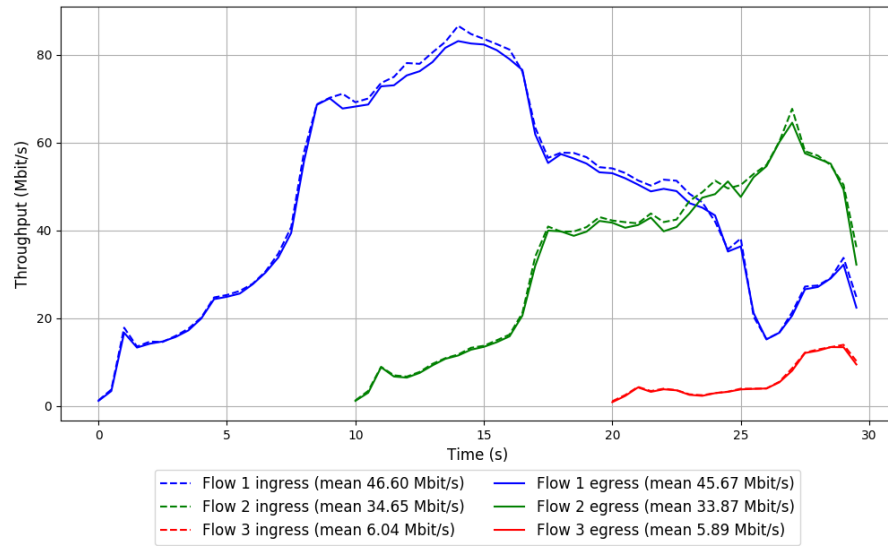


Run 6: Statistics of Vivace-loss

Start at: 2018-02-28 02:41:01
End at: 2018-02-28 02:41:31
Local clock offset: -0.451 ms
Remote clock offset: -8.028 ms

Below is generated by plot.py at 2018-02-28 09:59:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.09 Mbit/s
95th percentile per-packet one-way delay: 53.218 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 53.554 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 33.87 Mbit/s
95th percentile per-packet one-way delay: 51.199 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 53.946 ms
Loss rate: 3.20%

Run 6: Report of Vivace-loss — Data Link

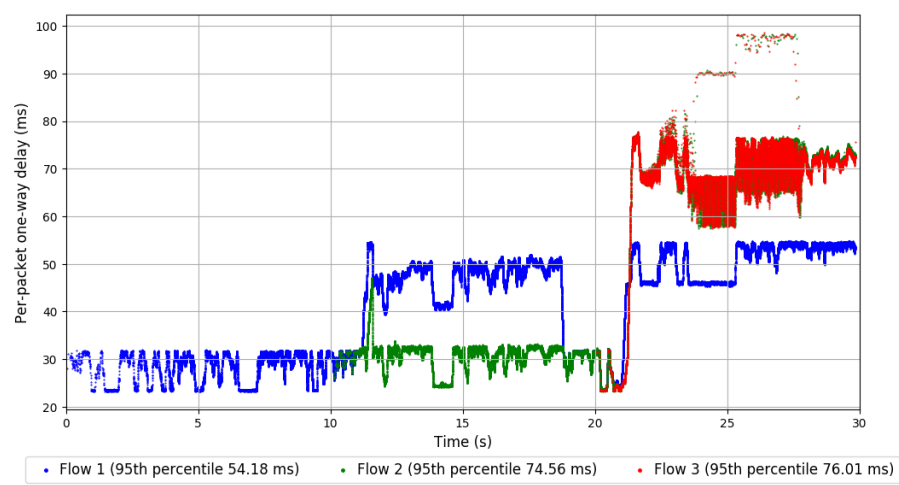
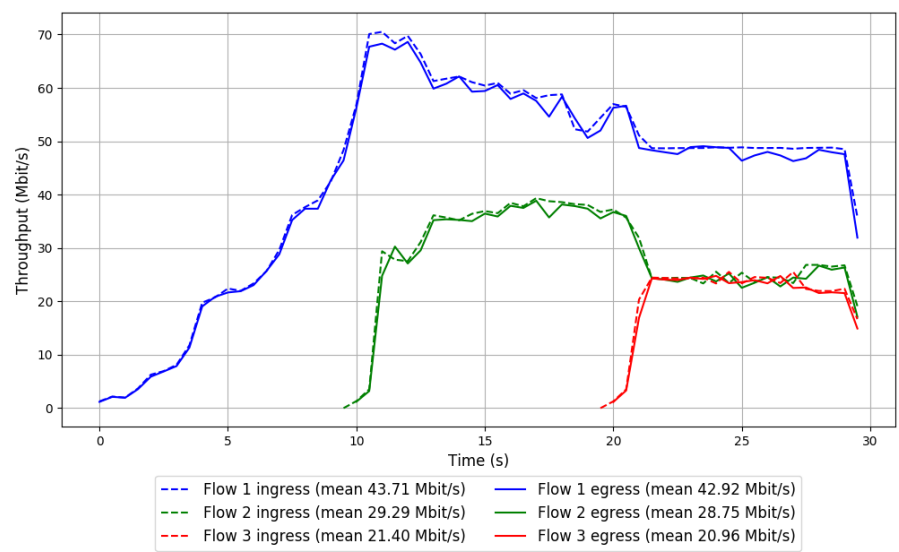


Run 7: Statistics of Vivace-loss

Start at: 2018-02-28 03:09:14
End at: 2018-02-28 03:09:44
Local clock offset: -0.801 ms
Remote clock offset: -8.377 ms

Below is generated by plot.py at 2018-02-28 09:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 73.162 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 42.92 Mbit/s
95th percentile per-packet one-way delay: 54.184 ms
Loss rate: 1.99%
-- Flow 2:
Average throughput: 28.75 Mbit/s
95th percentile per-packet one-way delay: 74.563 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 20.96 Mbit/s
95th percentile per-packet one-way delay: 76.006 ms
Loss rate: 2.66%

Run 7: Report of Vivace-loss — Data Link

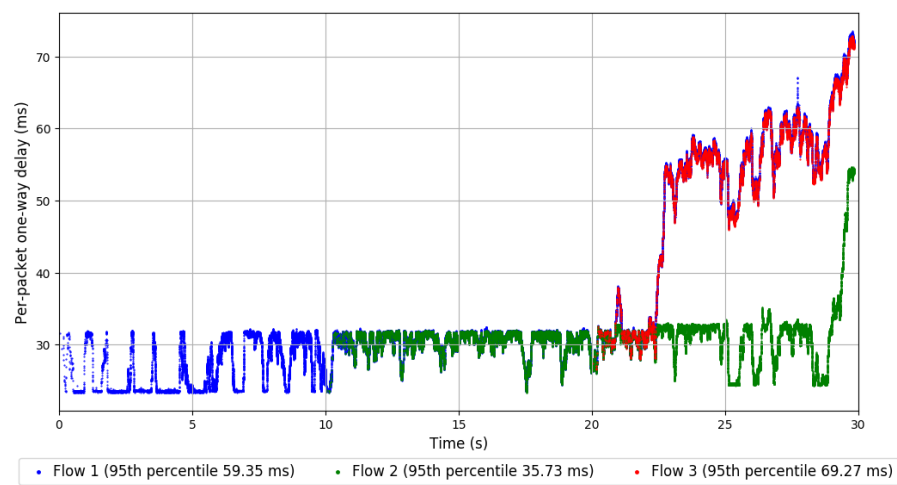
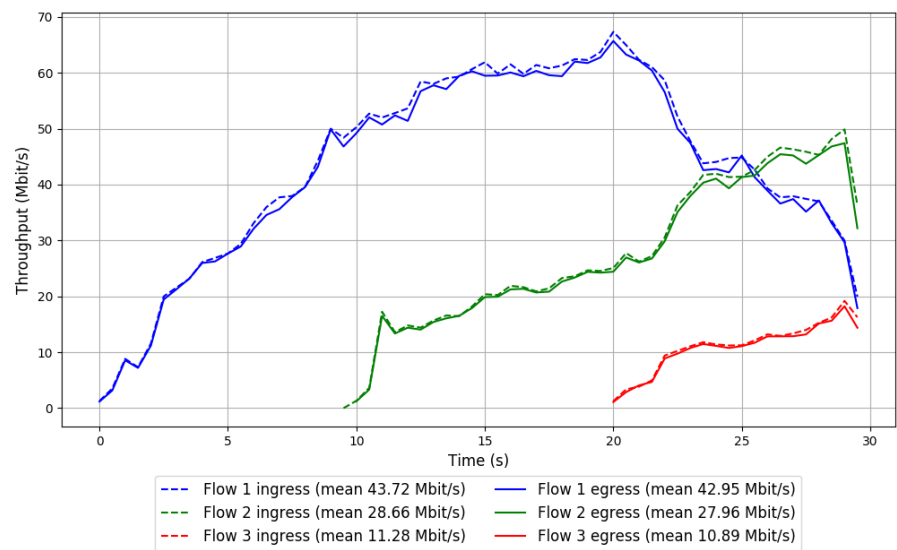


Run 8: Statistics of Vivace-loss

Start at: 2018-02-28 03:38:15
End at: 2018-02-28 03:38:45
Local clock offset: 0.066 ms
Remote clock offset: -3.468 ms

Below is generated by plot.py at 2018-02-28 09:59:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 59.208 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 42.95 Mbit/s
95th percentile per-packet one-way delay: 59.351 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 35.731 ms
Loss rate: 2.69%
-- Flow 3:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 69.268 ms
Loss rate: 3.99%

Run 8: Report of Vivace-loss — Data Link

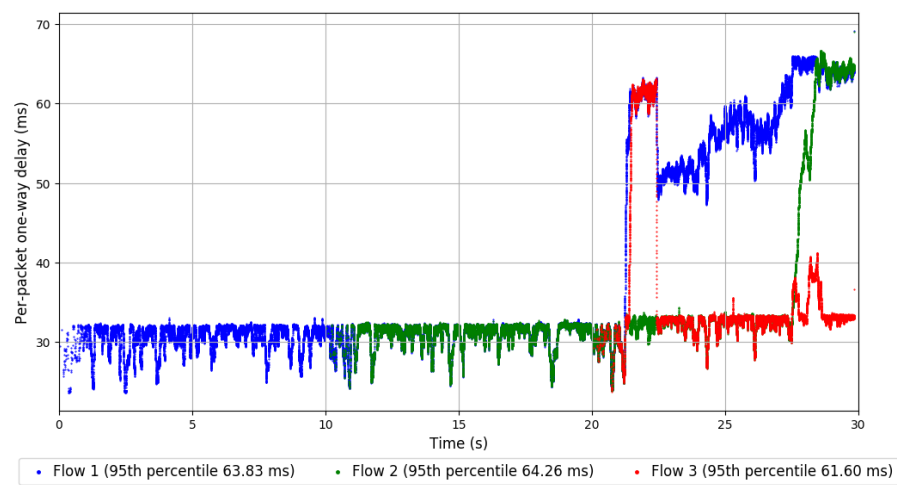
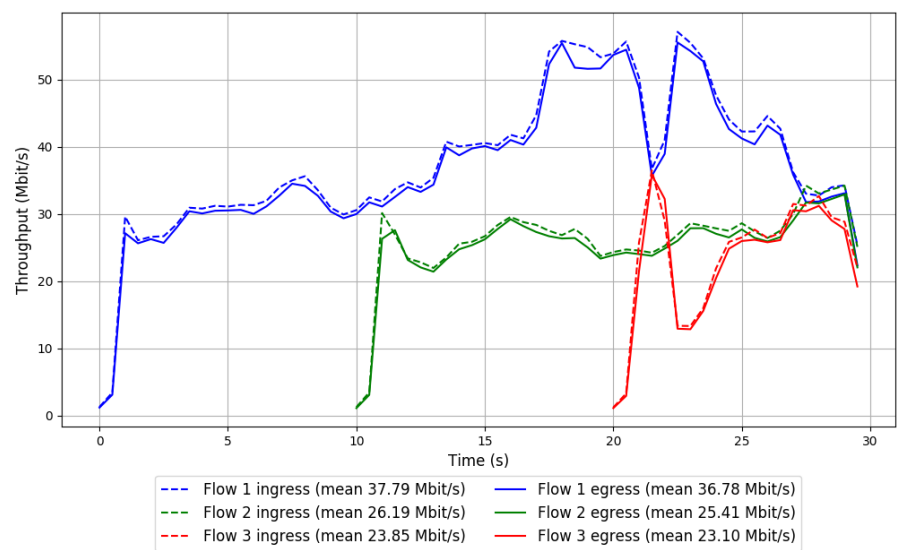


Run 9: Statistics of Vivace-loss

Start at: 2018-02-28 04:07:38
End at: 2018-02-28 04:08:08
Local clock offset: 0.192 ms
Remote clock offset: -4.179 ms

Below is generated by plot.py at 2018-02-28 09:59:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 63.780 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 63.832 ms
Loss rate: 2.87%
-- Flow 2:
Average throughput: 25.41 Mbit/s
95th percentile per-packet one-way delay: 64.261 ms
Loss rate: 3.31%
-- Flow 3:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 61.599 ms
Loss rate: 3.68%

Run 9: Report of Vivace-loss — Data Link

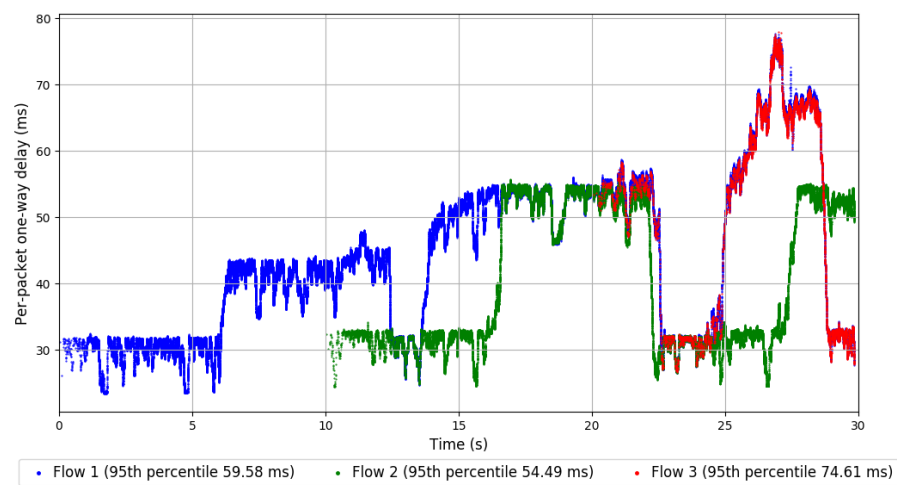
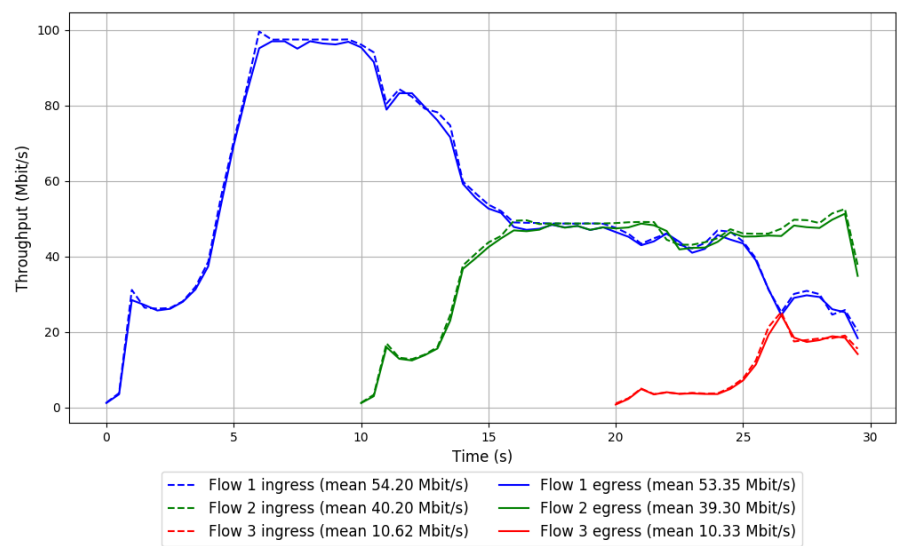


Run 10: Statistics of Vivace-loss

Start at: 2018-02-28 04:37:56
End at: 2018-02-28 04:38:26
Local clock offset: -7.354 ms
Remote clock offset: -6.207 ms

Below is generated by plot.py at 2018-02-28 10:00:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 61.303 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 59.578 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 54.494 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 74.615 ms
Loss rate: 3.49%

Run 10: Report of Vivace-loss — Data Link

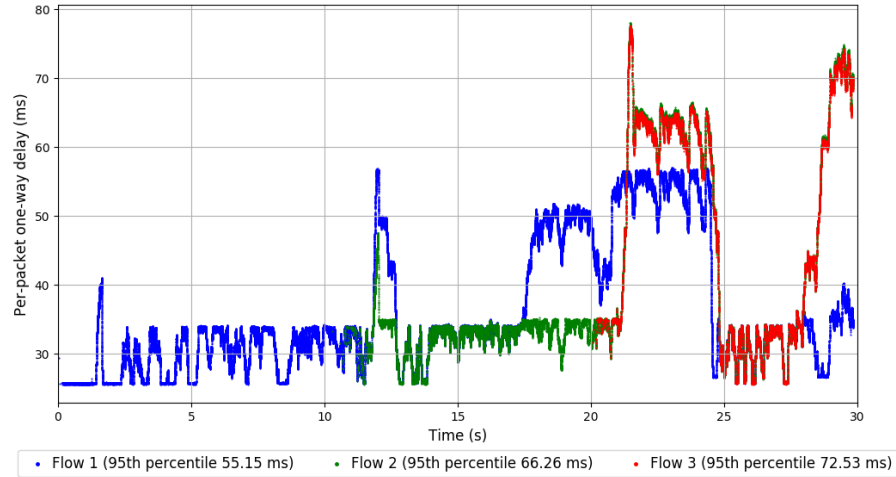
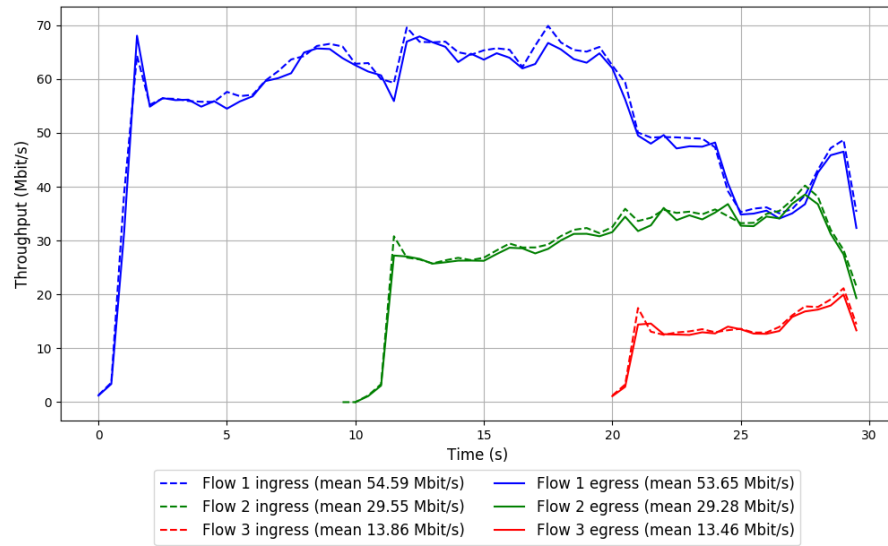


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-28 00:03:53
End at: 2018-02-28 00:04:23
Local clock offset: -1.574 ms
Remote clock offset: -6.502 ms

Below is generated by plot.py at 2018-02-28 10:00:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 63.527 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 53.65 Mbit/s
95th percentile per-packet one-way delay: 55.149 ms
Loss rate: 1.91%
-- Flow 2:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 66.262 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 13.46 Mbit/s
95th percentile per-packet one-way delay: 72.532 ms
Loss rate: 3.52%

Run 1: Report of Vivace-LTE — Data Link

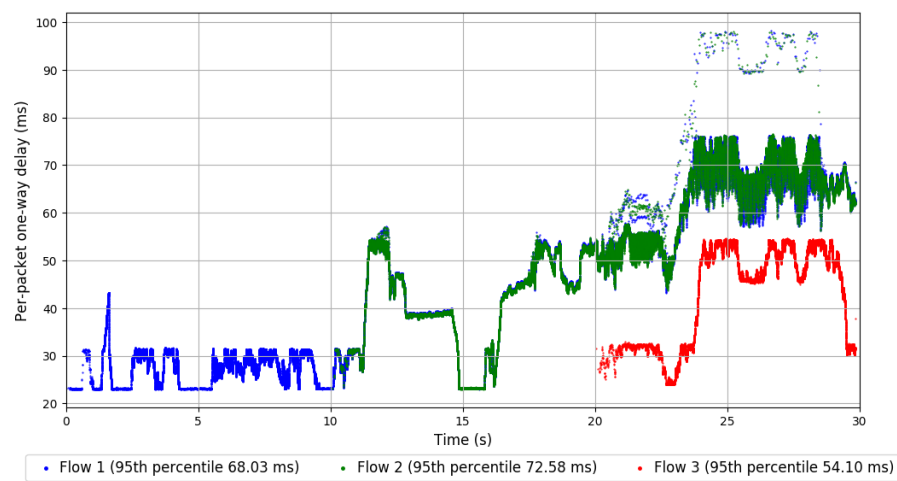
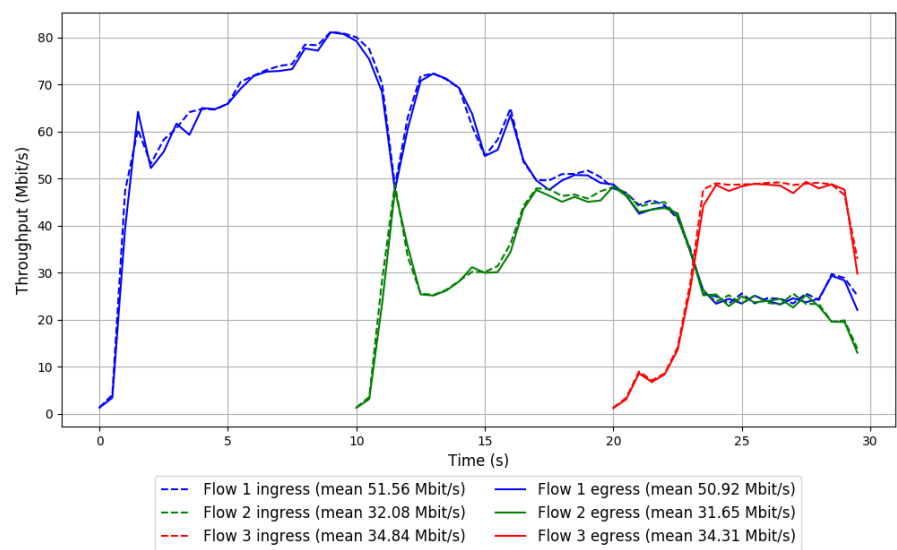


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-28 00:31:12
End at: 2018-02-28 00:31:42
Local clock offset: -7.07 ms
Remote clock offset: -2.014 ms

Below is generated by plot.py at 2018-02-28 10:00:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.22 Mbit/s
95th percentile per-packet one-way delay: 69.178 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 68.026 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 72.579 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 54.098 ms
Loss rate: 2.08%

Run 2: Report of Vivace-LTE — Data Link

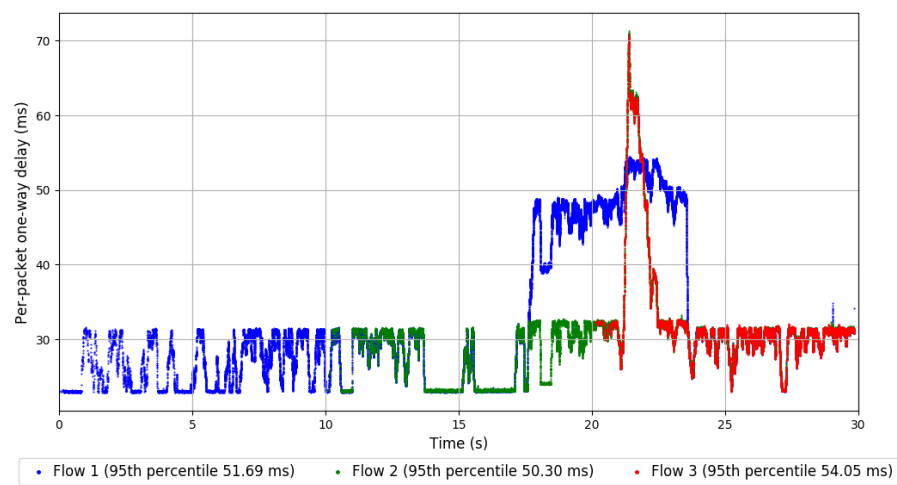
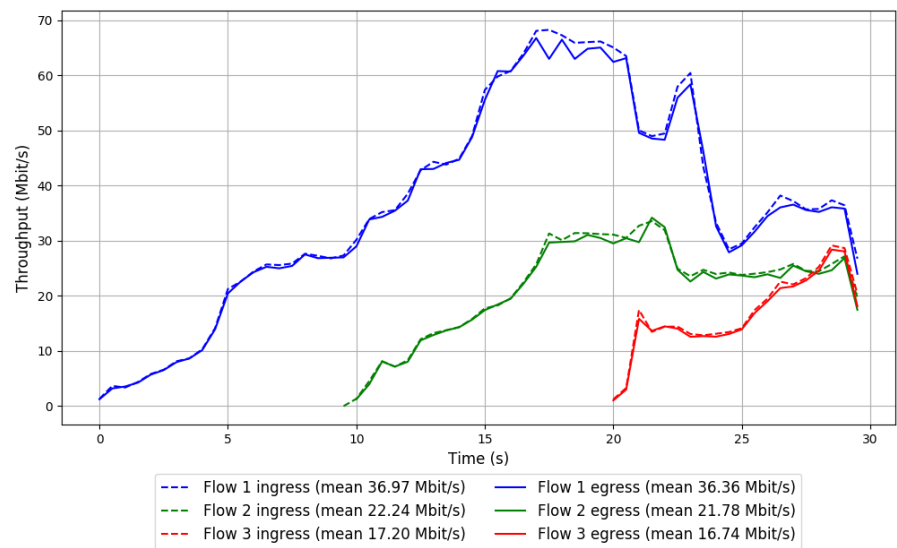


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-28 00:58:43
End at: 2018-02-28 00:59:13
Local clock offset: -7.009 ms
Remote clock offset: -8.662 ms

Below is generated by plot.py at 2018-02-28 10:00:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 51.744 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 36.36 Mbit/s
95th percentile per-packet one-way delay: 51.692 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 50.299 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 54.047 ms
Loss rate: 3.30%

Run 3: Report of Vivace-LTE — Data Link

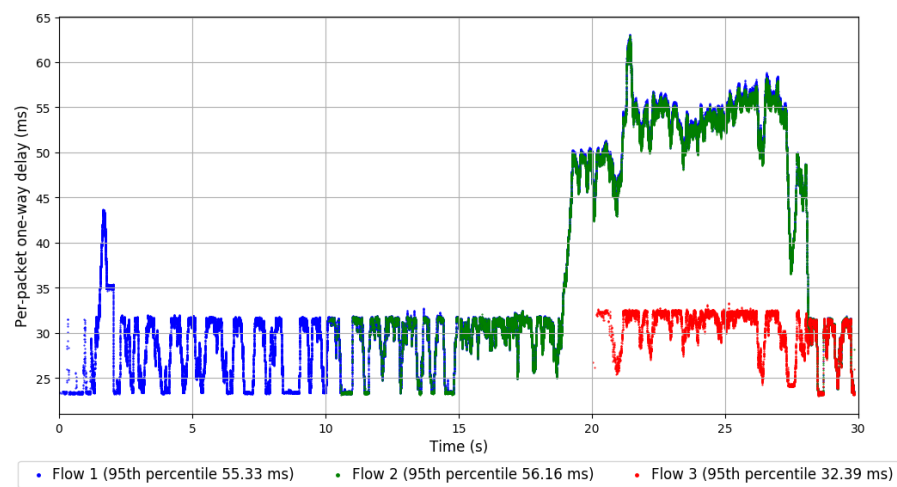
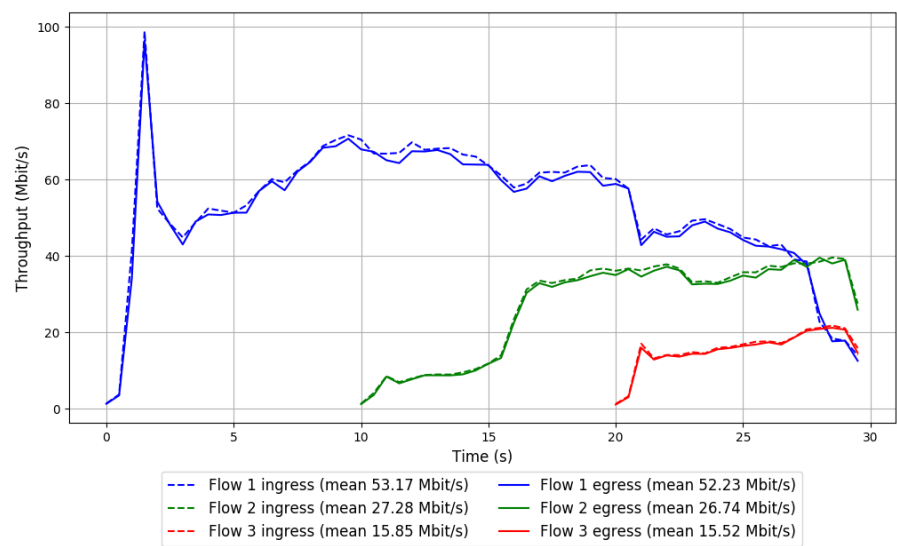


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-28 01:26:31
End at: 2018-02-28 01:27:01
Local clock offset: -1.567 ms
Remote clock offset: -8.317 ms

Below is generated by plot.py at 2018-02-28 10:00:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.08 Mbit/s
95th percentile per-packet one-way delay: 55.601 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 55.332 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 56.157 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 32.393 ms
Loss rate: 2.63%

Run 4: Report of Vivace-LTE — Data Link

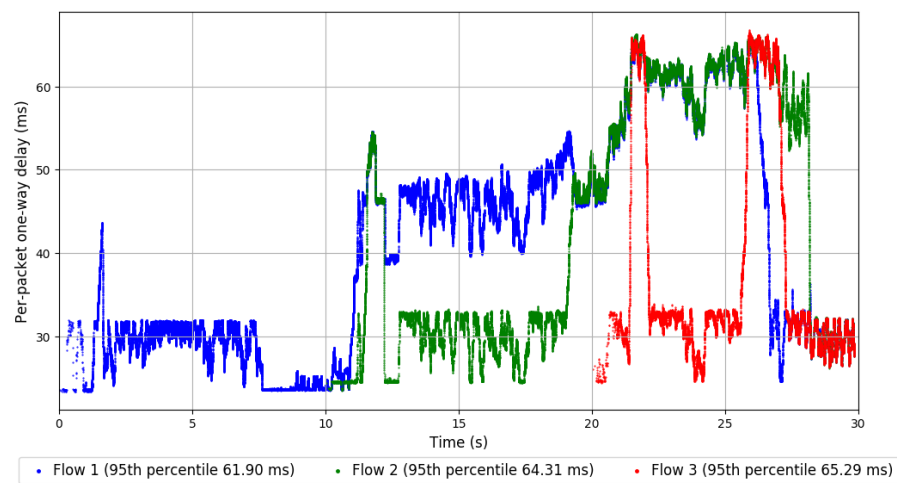
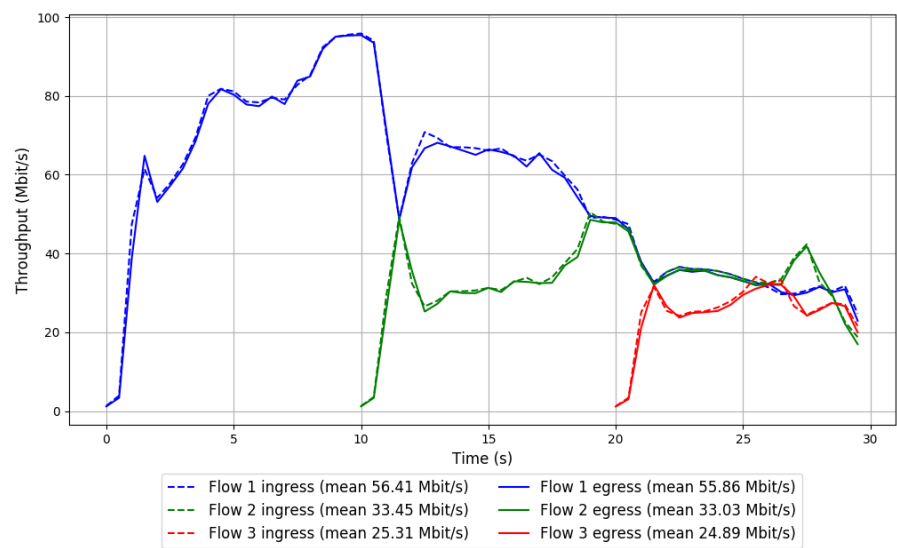


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-28 01:53:53
End at: 2018-02-28 01:54:23
Local clock offset: 1.115 ms
Remote clock offset: -4.808 ms

Below is generated by plot.py at 2018-02-28 10:00:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 63.387 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 61.897 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 64.307 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 24.89 Mbit/s
95th percentile per-packet one-way delay: 65.287 ms
Loss rate: 2.23%

Run 5: Report of Vivace-LTE — Data Link

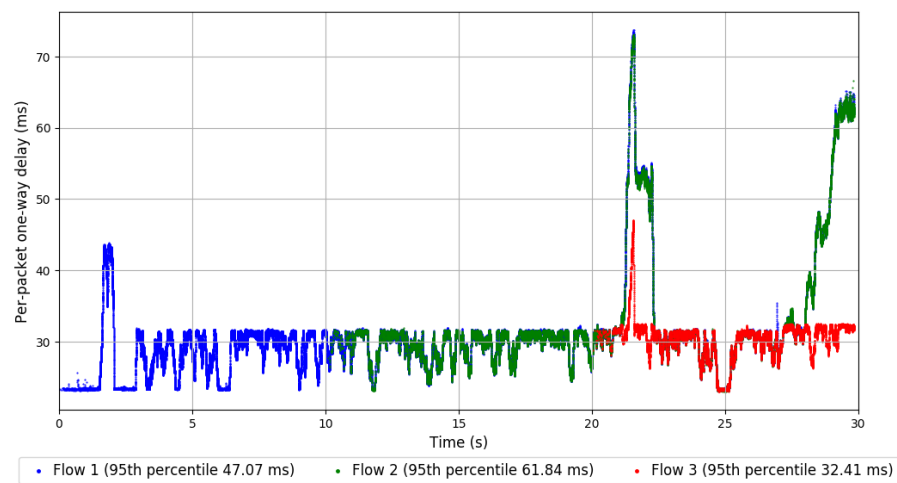
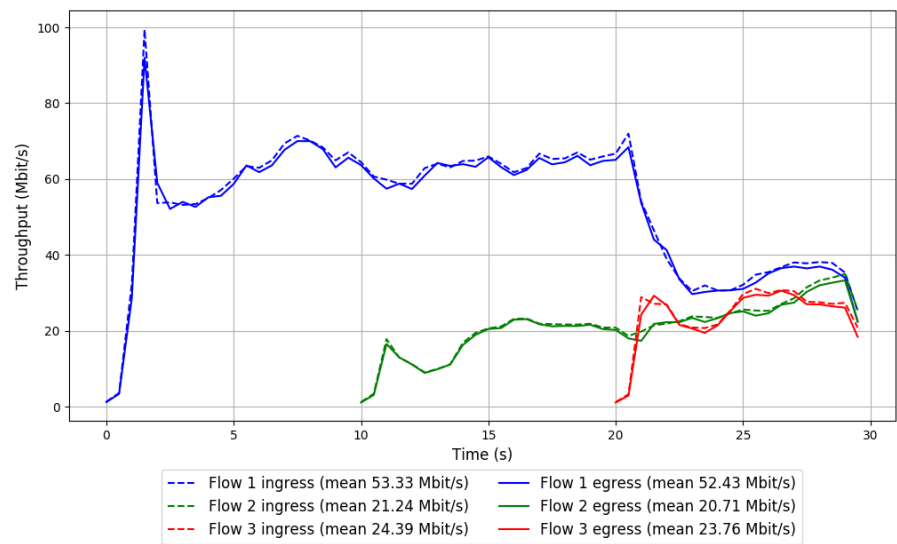


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-28 02:21:34
End at: 2018-02-28 02:22:04
Local clock offset: 0.467 ms
Remote clock offset: -4.564 ms

Below is generated by plot.py at 2018-02-28 10:00:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.00 Mbit/s
95th percentile per-packet one-way delay: 51.739 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 52.43 Mbit/s
95th percentile per-packet one-way delay: 47.071 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 61.840 ms
Loss rate: 2.77%
-- Flow 3:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 32.413 ms
Loss rate: 3.16%

Run 6: Report of Vivace-LTE — Data Link

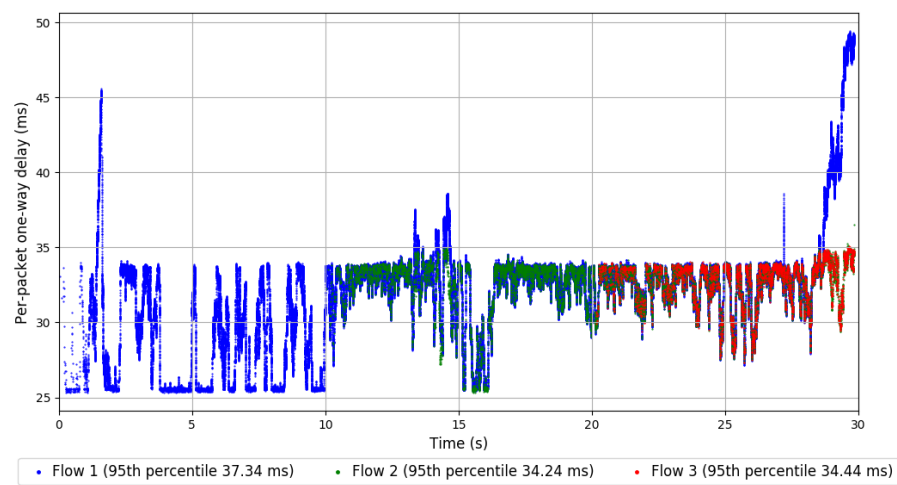
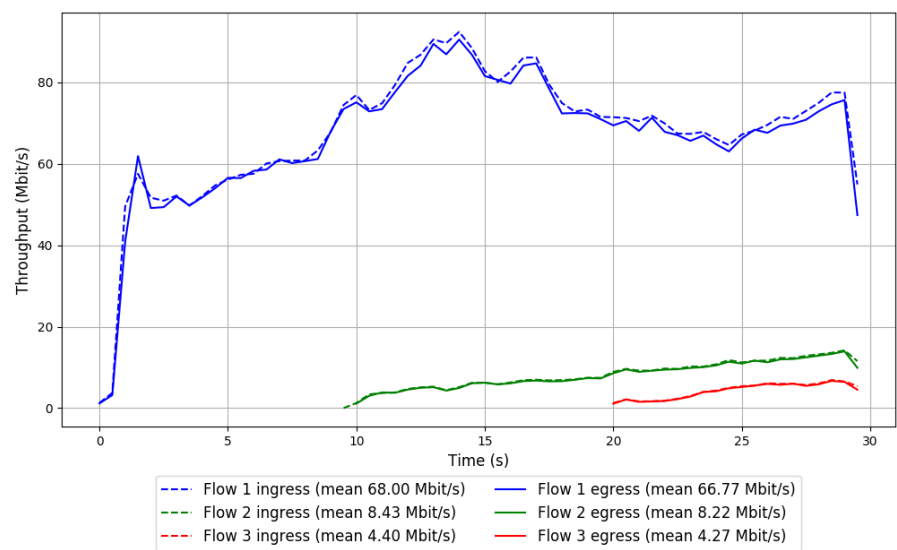


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-28 02:50:11
End at: 2018-02-28 02:50:41
Local clock offset: -0.434 ms
Remote clock offset: -10.451 ms

Below is generated by plot.py at 2018-02-28 10:00:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.63 Mbit/s
95th percentile per-packet one-way delay: 36.475 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 66.77 Mbit/s
95th percentile per-packet one-way delay: 37.338 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 34.238 ms
Loss rate: 2.77%
-- Flow 3:
Average throughput: 4.27 Mbit/s
95th percentile per-packet one-way delay: 34.440 ms
Loss rate: 3.55%

Run 7: Report of Vivace-LTE — Data Link

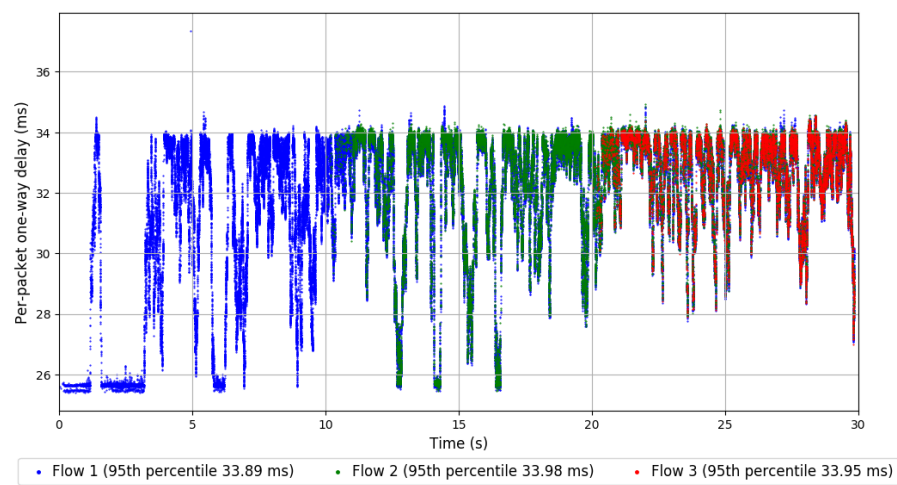
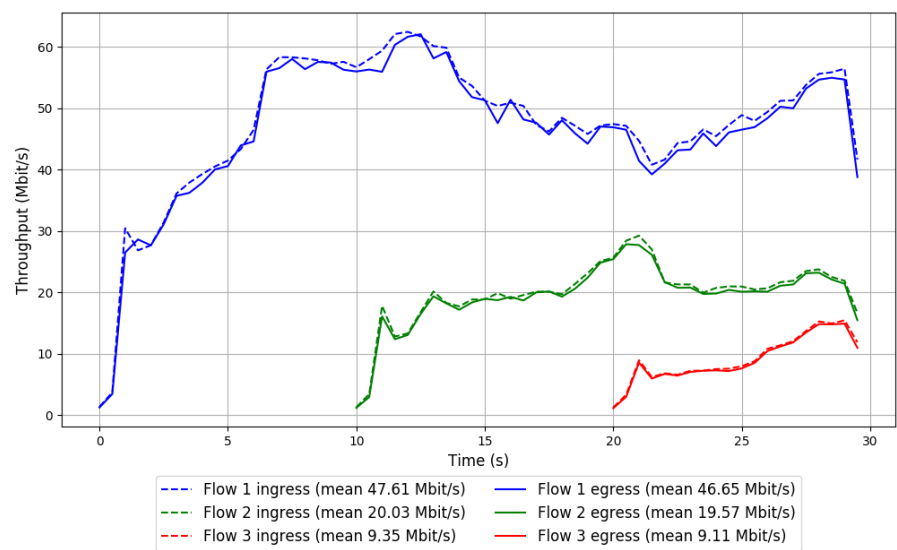


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-28 03:18:23
End at: 2018-02-28 03:18:53
Local clock offset: -0.821 ms
Remote clock offset: -10.891 ms

Below is generated by plot.py at 2018-02-28 10:00:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.64 Mbit/s
95th percentile per-packet one-way delay: 33.919 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 33.893 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 33.982 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 33.955 ms
Loss rate: 3.14%

Run 8: Report of Vivace-LTE — Data Link

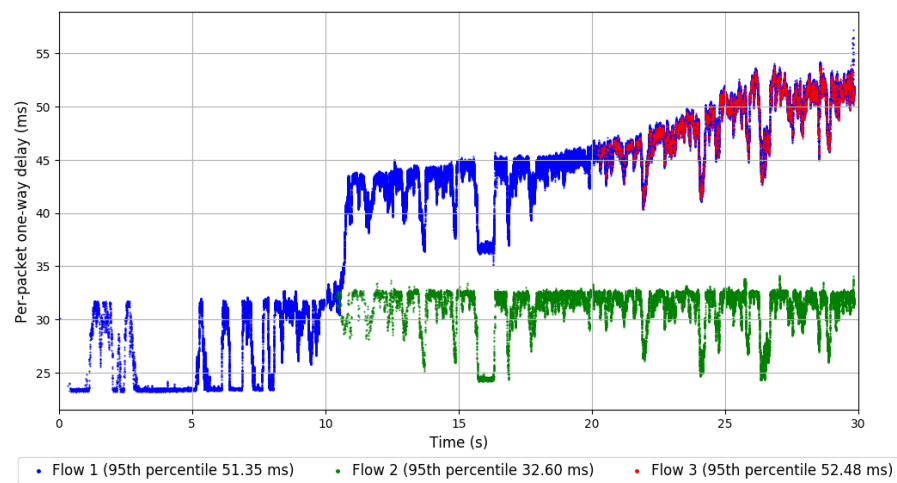
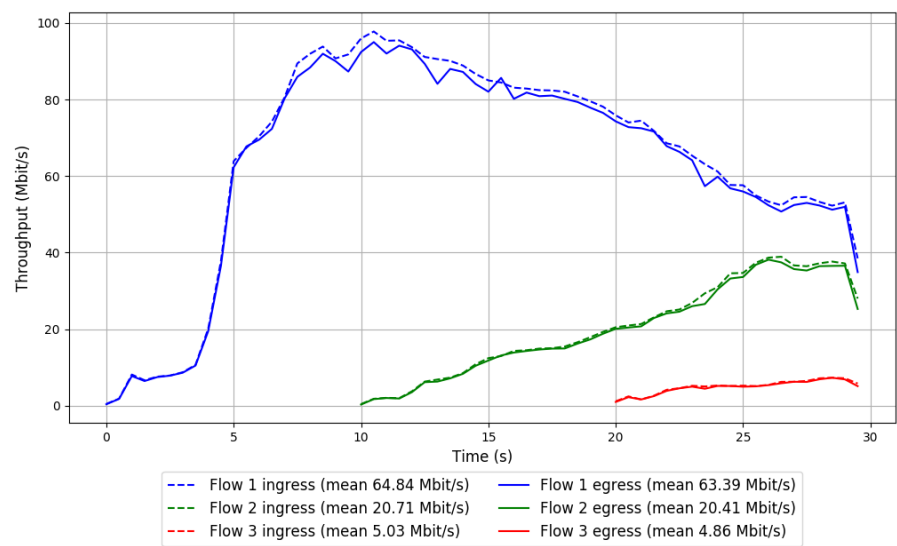


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-28 03:47:36
End at: 2018-02-28 03:48:06
Local clock offset: 0.727 ms
Remote clock offset: -2.148 ms

Below is generated by plot.py at 2018-02-28 10:00:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 51.207 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 63.39 Mbit/s
95th percentile per-packet one-way delay: 51.353 ms
Loss rate: 2.43%
-- Flow 2:
Average throughput: 20.41 Mbit/s
95th percentile per-packet one-way delay: 32.604 ms
Loss rate: 3.00%
-- Flow 3:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 52.477 ms
Loss rate: 4.07%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-28 04:17:41
End at: 2018-02-28 04:18:11
Local clock offset: -4.455 ms
Remote clock offset: -7.664 ms

Below is generated by plot.py at 2018-02-28 10:00:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 33.945 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 26.08 Mbit/s
95th percentile per-packet one-way delay: 33.926 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 33.953 ms
Loss rate: 2.81%
-- Flow 3:
Average throughput: 13.51 Mbit/s
95th percentile per-packet one-way delay: 34.008 ms
Loss rate: 2.89%

Run 10: Report of Vivace-LTE — Data Link

