

Pantheon Report

Generated at 2018-03-13 23:31:37 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

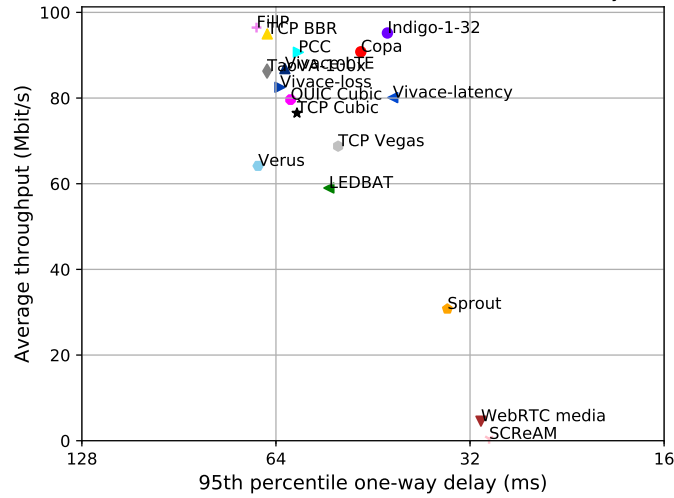
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

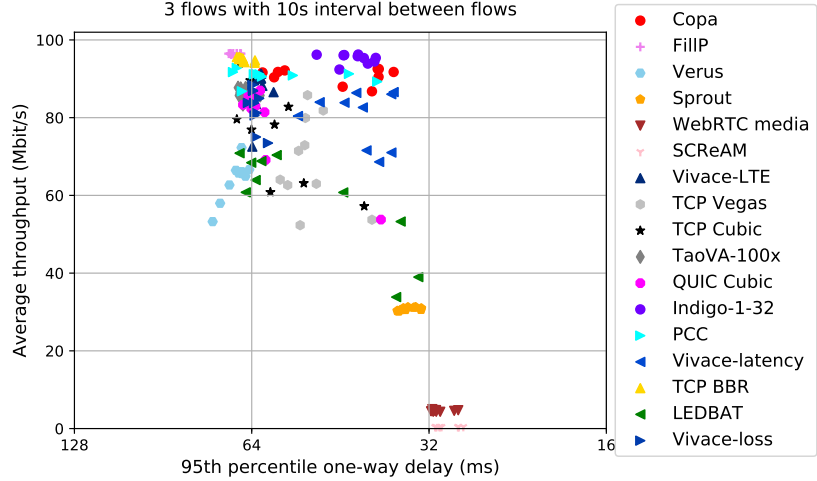
Git summary:

```
branch: master @ 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 @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



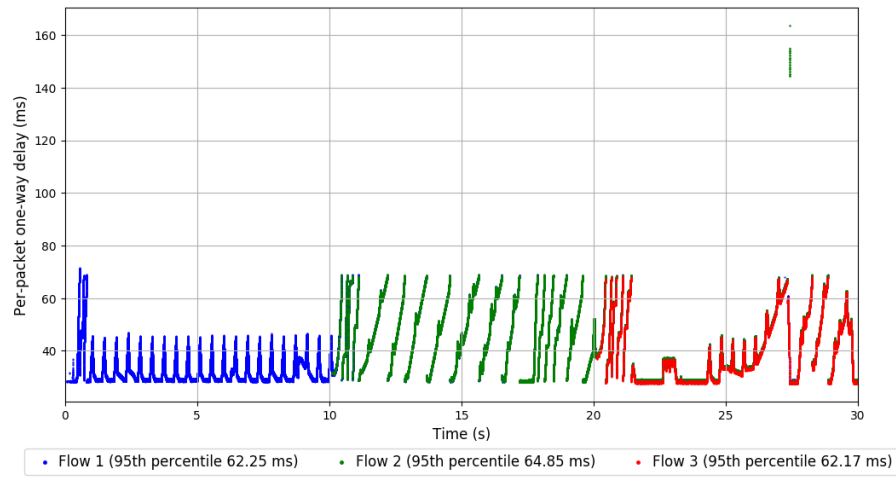
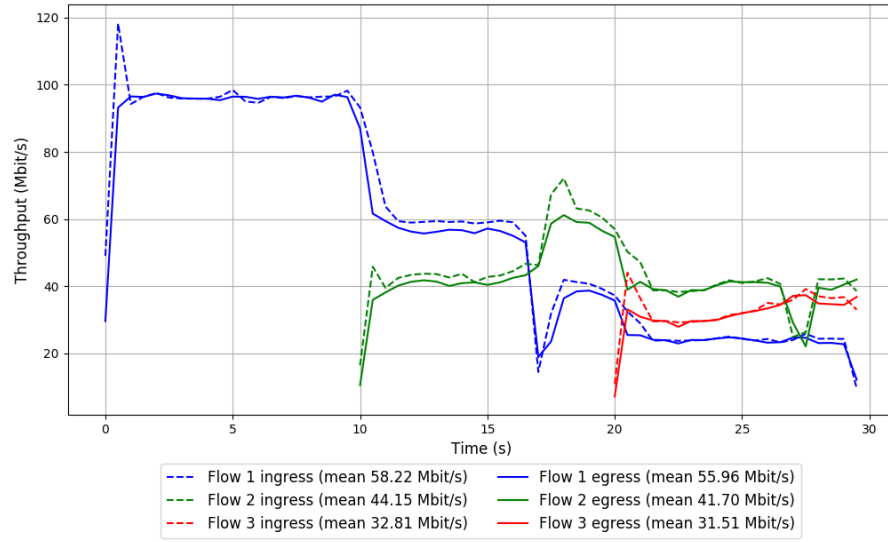
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	58.50	40.56	28.86	64.52	67.34	66.34	4.62	7.76	7.23
TCP Cubic	10	38.06	38.01	39.60	57.13	58.68	55.84	0.58	0.57	0.75
LEDBAT	10	35.72	26.26	17.56	51.07	53.72	55.05	0.18	0.24	0.33
PCC	10	80.13	11.50	8.85	58.60	60.96	58.62	3.82	4.89	4.61
QUIC Cubic	10	51.48	30.02	24.99	59.70	60.96	60.62	1.13	1.07	0.77
SCReAM	10	0.22	0.22	0.22	29.71	29.50	29.88	0.00	0.00	0.04
WebRTC media	10	2.43	1.54	0.61	30.66	30.75	30.73	0.06	0.10	0.17
Sprout	10	15.55	15.49	14.89	34.46	34.62	35.37	0.17	0.15	0.22
TaoVA-100x	10	51.56	39.12	26.18	64.66	66.48	66.75	14.89	25.47	18.24
TCP Vegas	10	40.79	25.58	32.98	49.79	43.57	43.37	0.73	0.85	0.78
Verus	10	40.53	26.99	20.81	68.13	66.89	68.18	45.30	39.27	48.43
Copa	10	71.56	21.20	15.43	46.95	46.44	45.34	34.74	34.12	18.67
FillP	10	51.72	40.70	53.69	68.62	68.49	68.74	27.41	33.36	37.29
Indigo-1-32	10	61.36	34.62	33.23	40.86	44.36	46.18	0.25	0.29	0.60
Vivace-latency	10	58.78	24.77	14.76	41.77	44.11	40.76	0.39	0.36	0.36
Vivace-loss	10	56.05	29.68	20.51	62.74	63.56	63.27	5.87	6.17	6.96
Vivace-LTE	10	61.67	29.61	16.83	60.60	63.31	64.62	2.15	2.41	3.23

Run 1: Statistics of TCP BBR

Start at: 2018-03-13 18:37:22
End at: 2018-03-13 18:37:52
Local clock offset: 1.843 ms
Remote clock offset: -2.572 ms

Below is generated by plot.py at 2018-03-13 23:02:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 63.272 ms
Loss rate: 4.42%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 62.252 ms
Loss rate: 3.88%
-- Flow 2:
Average throughput: 41.70 Mbit/s
95th percentile per-packet one-way delay: 64.851 ms
Loss rate: 5.64%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 62.172 ms
Loss rate: 4.05%

Run 1: Report of TCP BBR — Data Link

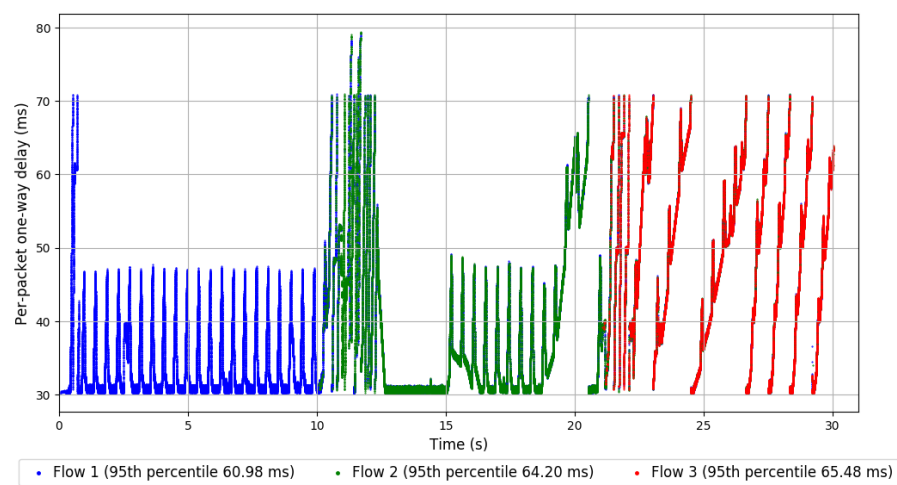
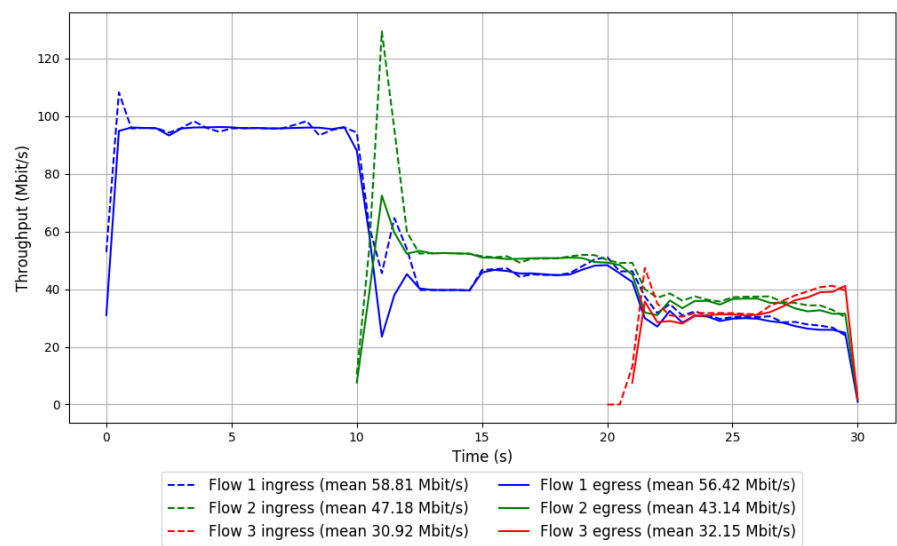


Run 2: Statistics of TCP BBR

Start at: 2018-03-13 19:02:00
End at: 2018-03-13 19:02:30
Local clock offset: 1.004 ms
Remote clock offset: -1.485 ms

Below is generated by plot.py at 2018-03-13 23:02:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 63.192 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 60.983 ms
Loss rate: 3.97%
-- Flow 2:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 64.205 ms
Loss rate: 8.41%
-- Flow 3:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 65.483 ms
Loss rate: 6.47%

Run 2: Report of TCP BBR — Data Link

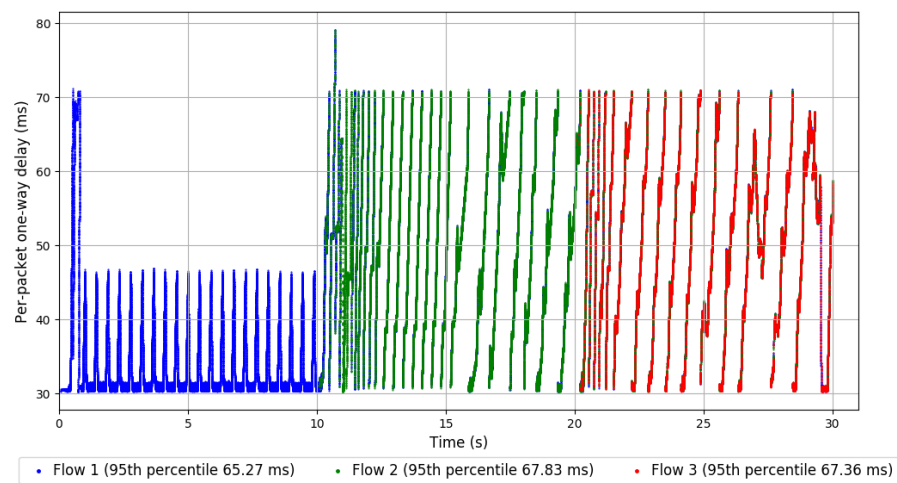
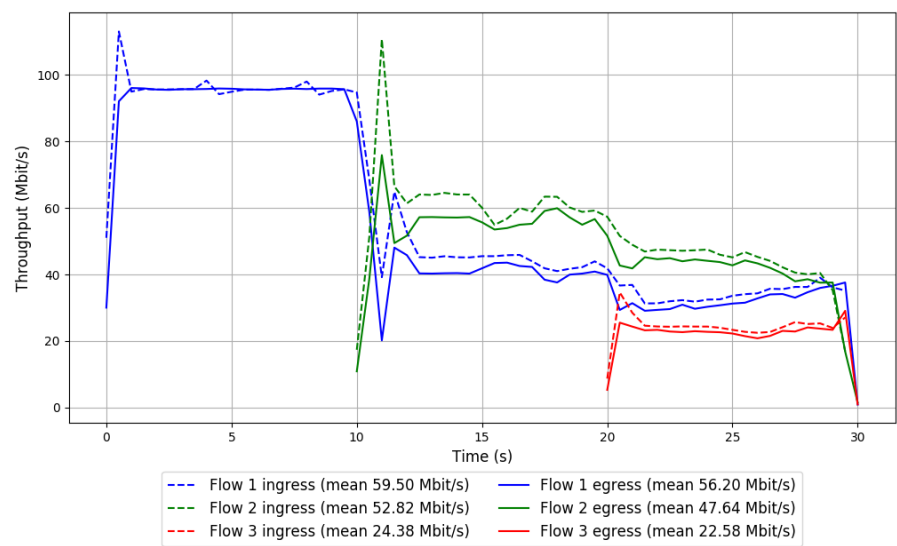


Run 3: Statistics of TCP BBR

Start at: 2018-03-13 19:26:53
End at: 2018-03-13 19:27:23
Local clock offset: 0.977 ms
Remote clock offset: -1.494 ms

Below is generated by plot.py at 2018-03-13 23:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 66.788 ms
Loss rate: 7.07%
-- Flow 1:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 65.268 ms
Loss rate: 5.48%
-- Flow 2:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 67.834 ms
Loss rate: 9.68%
-- Flow 3:
Average throughput: 22.58 Mbit/s
95th percentile per-packet one-way delay: 67.362 ms
Loss rate: 7.42%

Run 3: Report of TCP BBR — Data Link

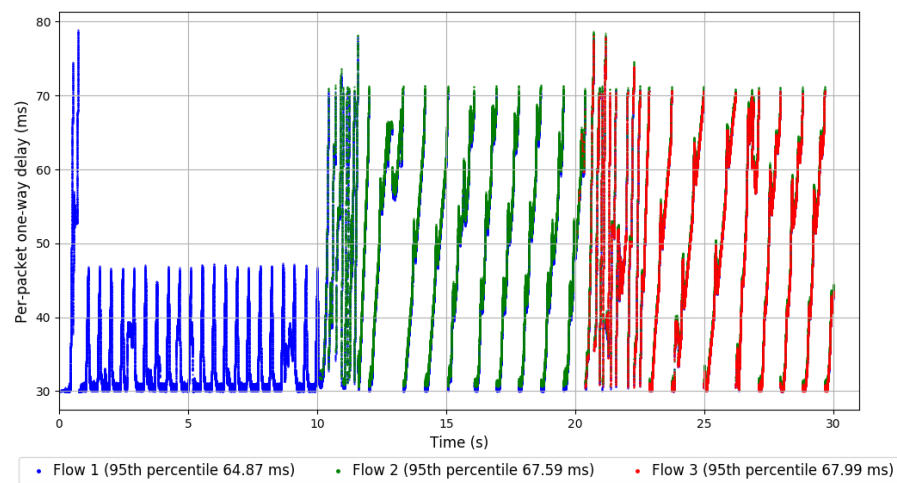
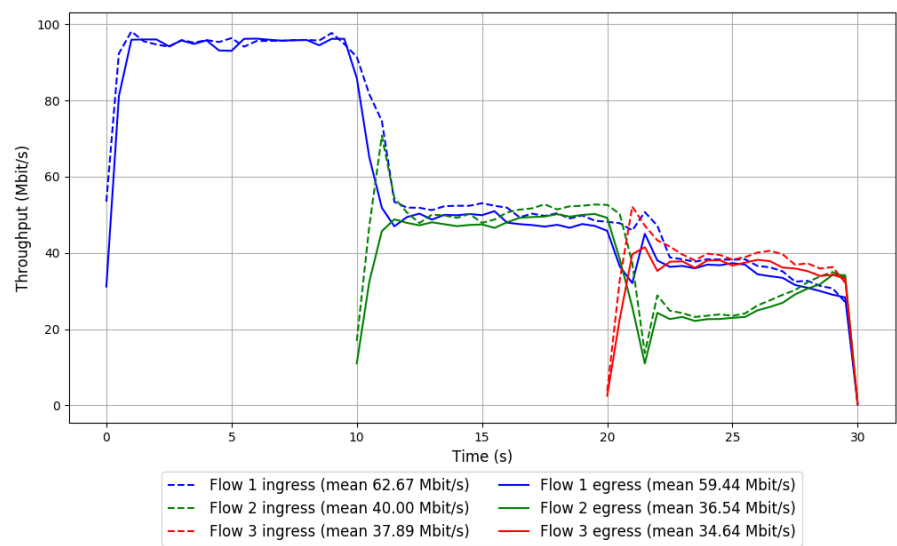


Run 4: Statistics of TCP BBR

Start at: 2018-03-13 19:51:36
End at: 2018-03-13 19:52:06
Local clock offset: 0.786 ms
Remote clock offset: -1.235 ms

Below is generated by plot.py at 2018-03-13 23:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 66.271 ms
Loss rate: 6.47%
-- Flow 1:
Average throughput: 59.44 Mbit/s
95th percentile per-packet one-way delay: 64.866 ms
Loss rate: 5.12%
-- Flow 2:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 67.589 ms
Loss rate: 8.61%
-- Flow 3:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 67.991 ms
Loss rate: 8.66%

Run 4: Report of TCP BBR — Data Link

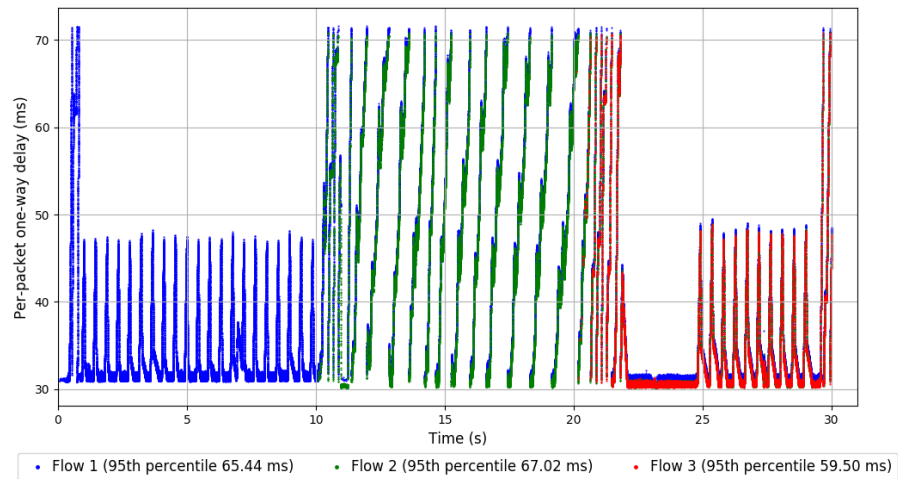
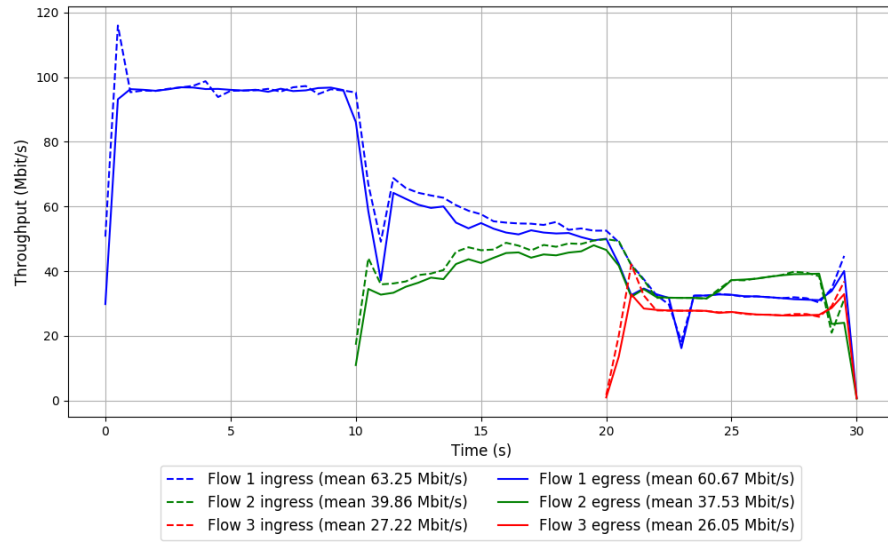


Run 5: Statistics of TCP BBR

Start at: 2018-03-13 20:16:12
End at: 2018-03-13 20:16:42
Local clock offset: 0.814 ms
Remote clock offset: -1.887 ms

Below is generated by plot.py at 2018-03-13 23:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 65.855 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 65.443 ms
Loss rate: 4.04%
-- Flow 2:
Average throughput: 37.53 Mbit/s
95th percentile per-packet one-way delay: 67.019 ms
Loss rate: 5.76%
-- Flow 3:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 59.496 ms
Loss rate: 4.49%

Run 5: Report of TCP BBR — Data Link

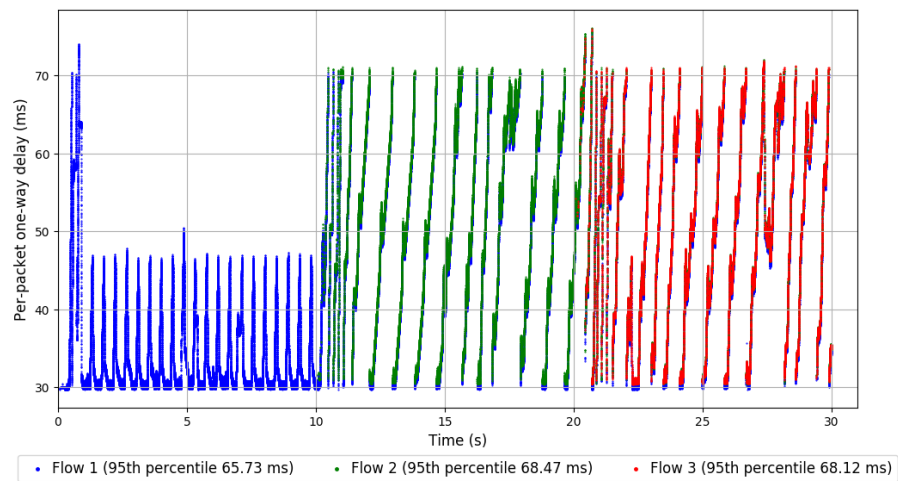
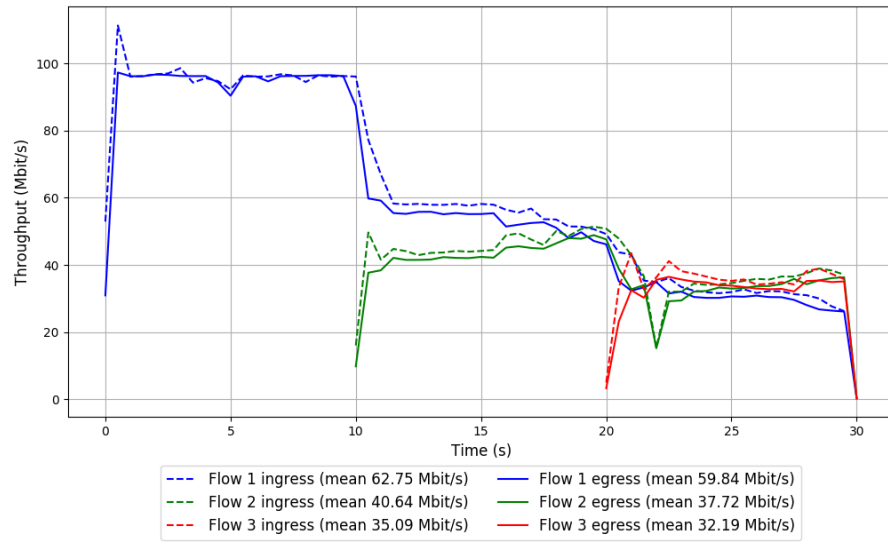


Run 6: Statistics of TCP BBR

Start at: 2018-03-13 20:40:53
End at: 2018-03-13 20:41:23
Local clock offset: 1.093 ms
Remote clock offset: -2.132 ms

Below is generated by plot.py at 2018-03-13 23:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 67.183 ms
Loss rate: 5.74%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 65.732 ms
Loss rate: 4.61%
-- Flow 2:
Average throughput: 37.72 Mbit/s
95th percentile per-packet one-way delay: 68.467 ms
Loss rate: 7.18%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 68.117 ms
Loss rate: 8.45%

Run 6: Report of TCP BBR — Data Link

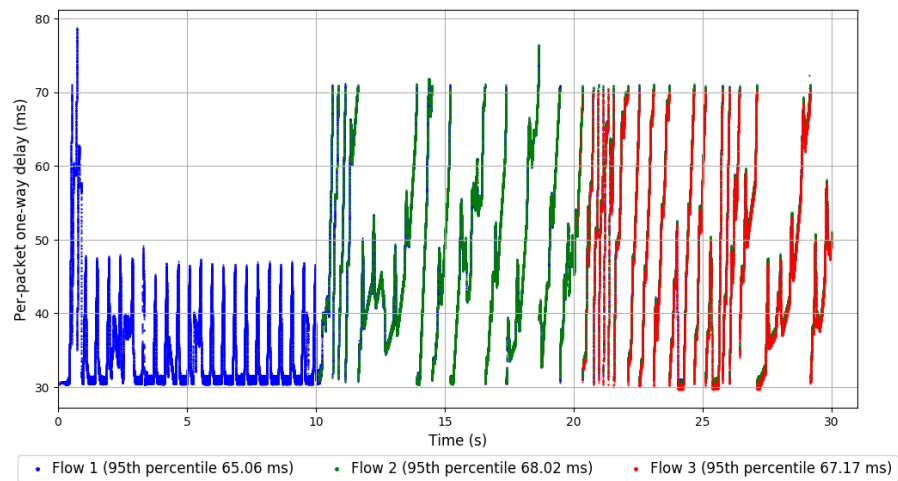
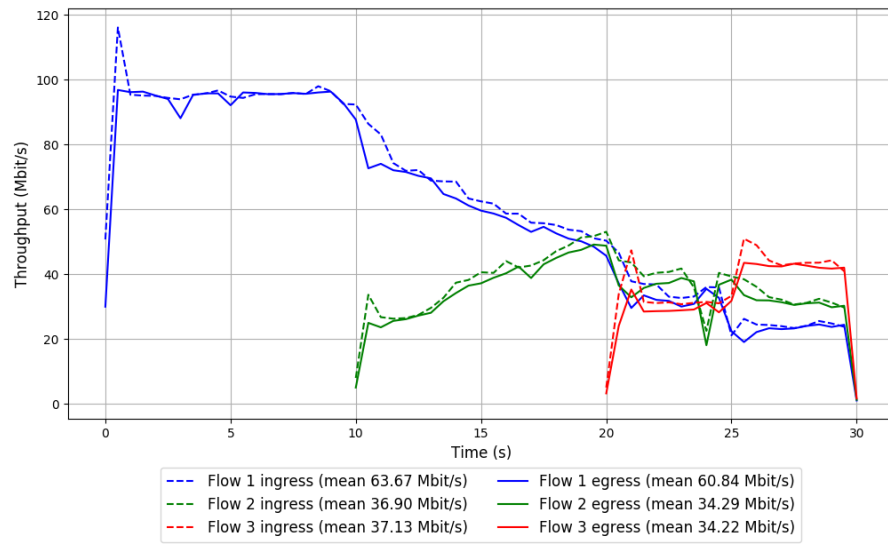


Run 7: Statistics of TCP BBR

Start at: 2018-03-13 21:05:53
End at: 2018-03-13 21:06:23
Local clock offset: 0.946 ms
Remote clock offset: -1.924 ms

Below is generated by plot.py at 2018-03-13 23:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 66.549 ms
Loss rate: 5.44%
-- Flow 1:
Average throughput: 60.84 Mbit/s
95th percentile per-packet one-way delay: 65.056 ms
Loss rate: 4.37%
-- Flow 2:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 68.024 ms
Loss rate: 7.00%
-- Flow 3:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 67.175 ms
Loss rate: 7.86%

Run 7: Report of TCP BBR — Data Link

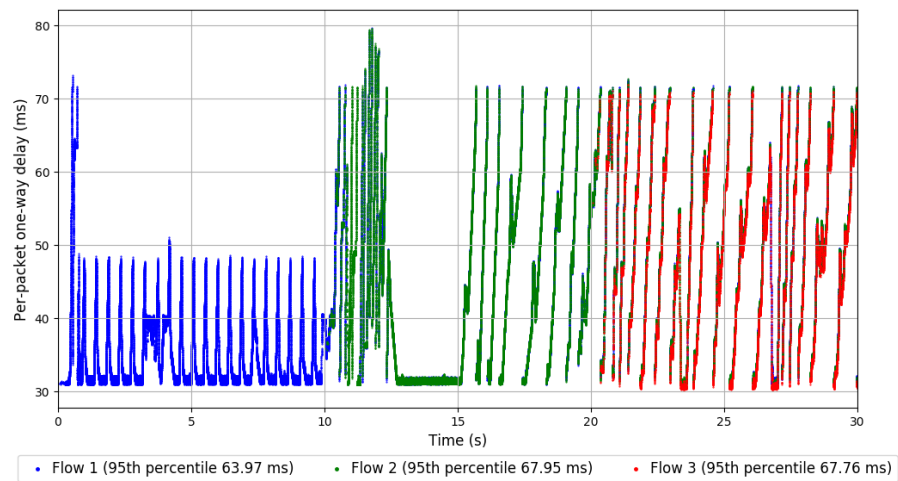
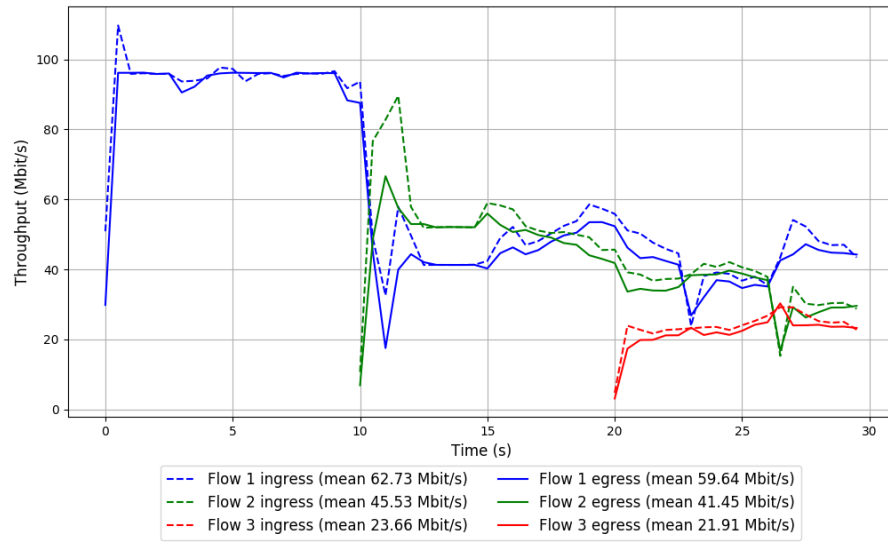


Run 8: Statistics of TCP BBR

Start at: 2018-03-13 21:31:02
End at: 2018-03-13 21:31:32
Local clock offset: 0.688 ms
Remote clock offset: -1.364 ms

Below is generated by plot.py at 2018-03-13 23:03:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 66.033 ms
Loss rate: 6.35%
-- Flow 1:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 63.973 ms
Loss rate: 4.92%
-- Flow 2:
Average throughput: 41.45 Mbit/s
95th percentile per-packet one-way delay: 67.955 ms
Loss rate: 8.96%
-- Flow 3:
Average throughput: 21.91 Mbit/s
95th percentile per-packet one-way delay: 67.764 ms
Loss rate: 7.63%

Run 8: Report of TCP BBR — Data Link

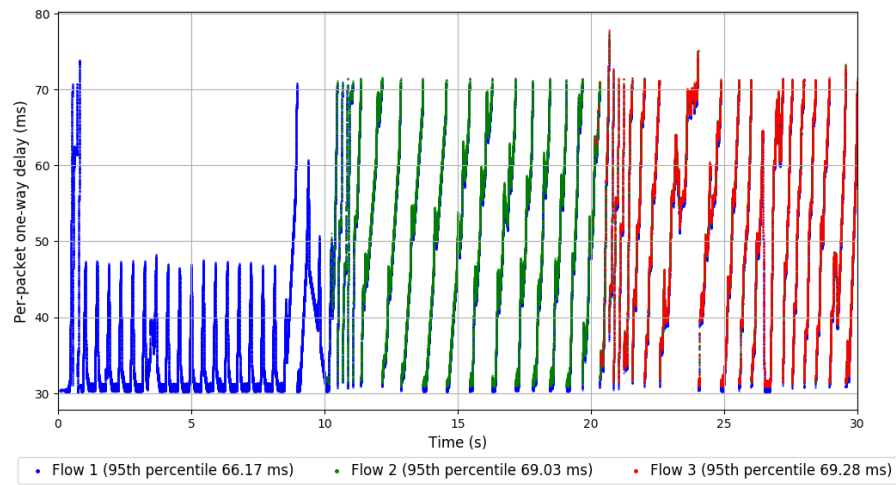
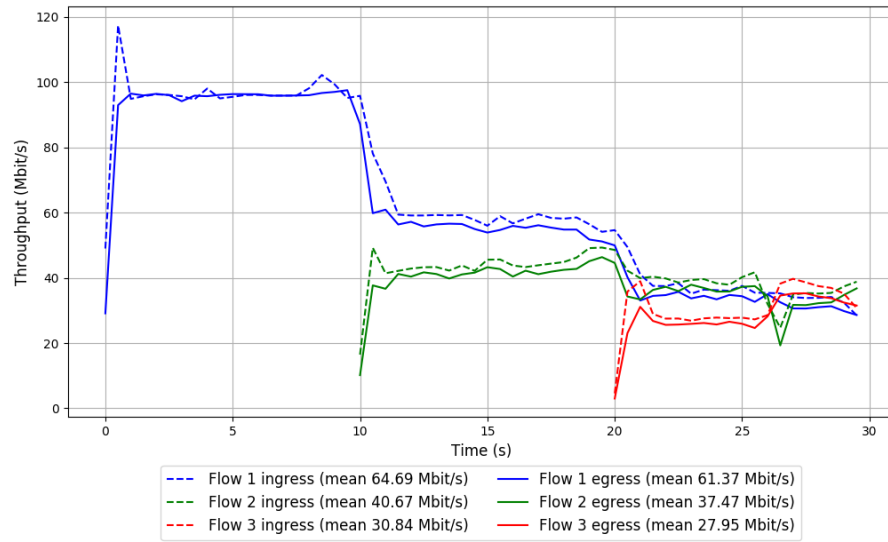


Run 9: Statistics of TCP BBR

Start at: 2018-03-13 21:56:48
End at: 2018-03-13 21:57:18
Local clock offset: 0.791 ms
Remote clock offset: -2.435 ms

Below is generated by plot.py at 2018-03-13 23:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 67.820 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 61.37 Mbit/s
95th percentile per-packet one-way delay: 66.165 ms
Loss rate: 5.10%
-- Flow 2:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 69.028 ms
Loss rate: 7.84%
-- Flow 3:
Average throughput: 27.95 Mbit/s
95th percentile per-packet one-way delay: 69.276 ms
Loss rate: 9.51%

Run 9: Report of TCP BBR — Data Link

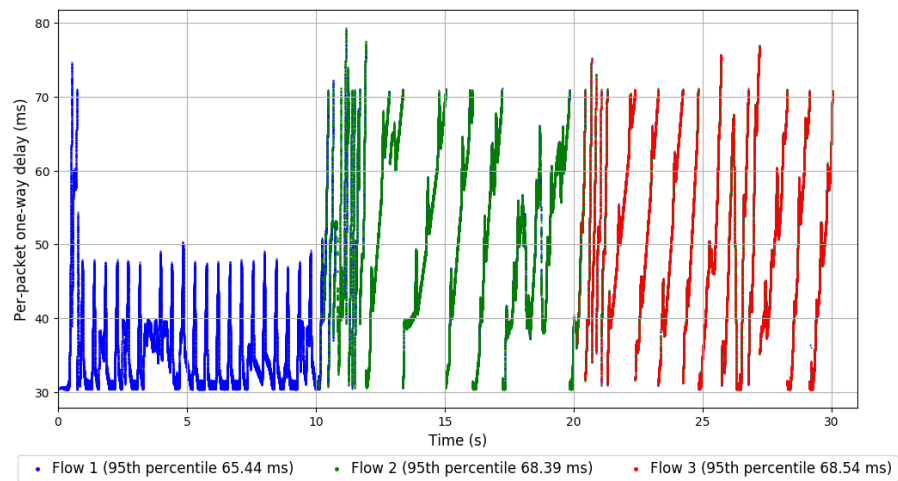
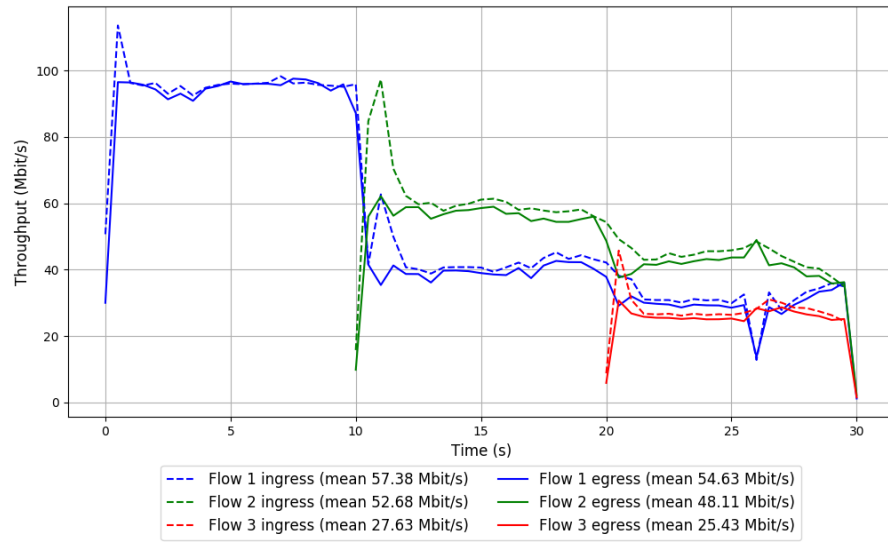


Run 10: Statistics of TCP BBR

Start at: 2018-03-13 22:23:11
End at: 2018-03-13 22:23:41
Local clock offset: 0.901 ms
Remote clock offset: -1.557 ms

Below is generated by plot.py at 2018-03-13 23:04:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.12 Mbit/s
95th percentile per-packet one-way delay: 67.246 ms
Loss rate: 6.29%
-- Flow 1:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 65.438 ms
Loss rate: 4.70%
-- Flow 2:
Average throughput: 48.11 Mbit/s
95th percentile per-packet one-way delay: 68.386 ms
Loss rate: 8.51%
-- Flow 3:
Average throughput: 25.43 Mbit/s
95th percentile per-packet one-way delay: 68.536 ms
Loss rate: 7.72%

Run 10: Report of TCP BBR — Data Link

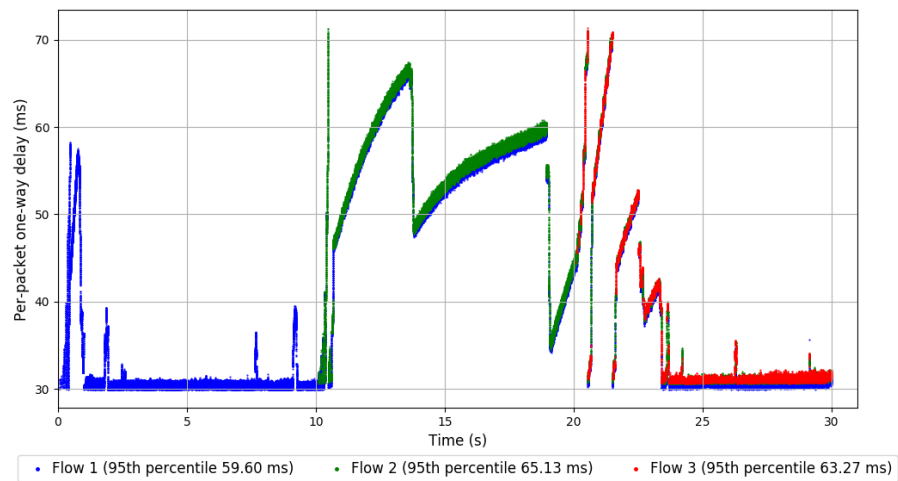
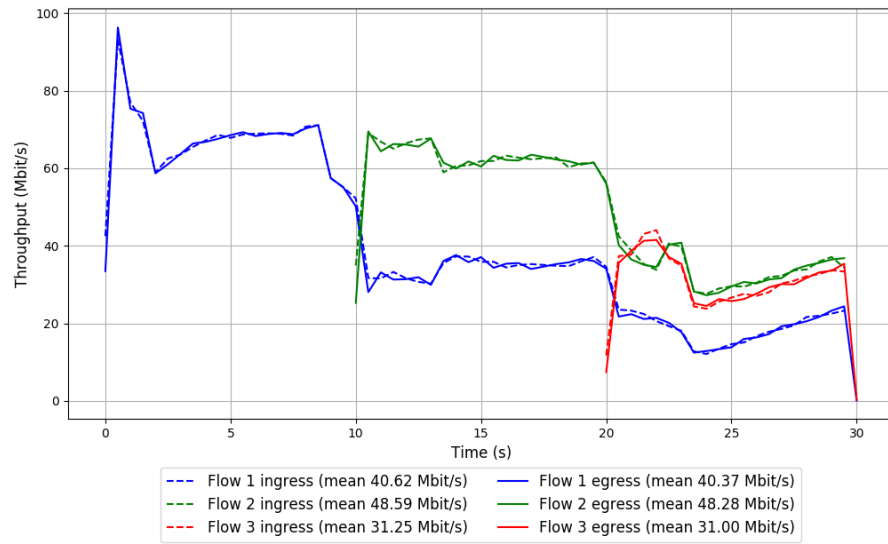


Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 18:41:31
End at: 2018-03-13 18:42:01
Local clock offset: 1.548 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-03-13 23:04:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.78 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 59.604 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 48.28 Mbit/s
95th percentile per-packet one-way delay: 65.129 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 63.268 ms
Loss rate: 0.92%

Run 1: Report of TCP Cubic — Data Link

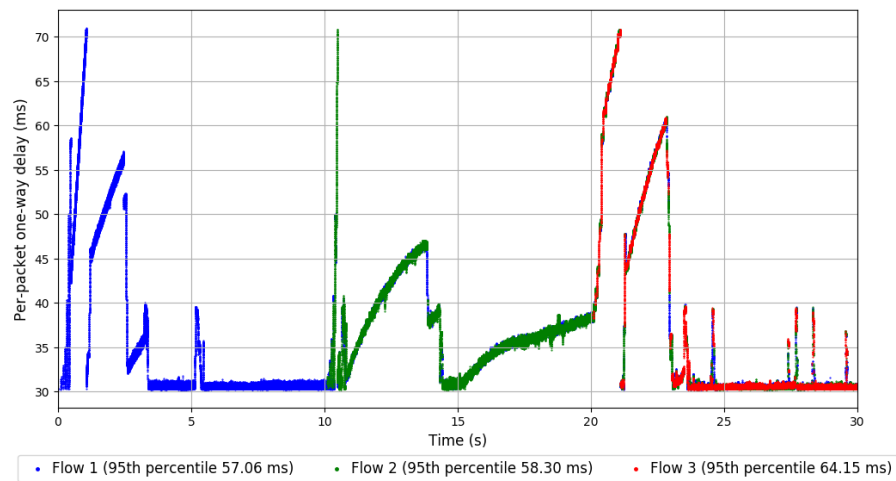
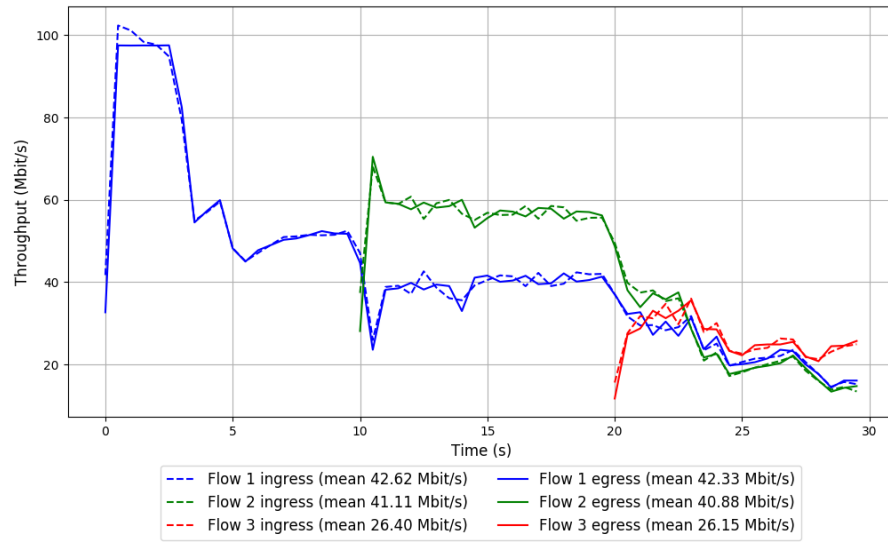


Run 2: Statistics of TCP Cubic

Start at: 2018-03-13 19:06:25
End at: 2018-03-13 19:06:55
Local clock offset: 0.956 ms
Remote clock offset: -2.206 ms

Below is generated by plot.py at 2018-03-13 23:04:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 58.544 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 42.33 Mbit/s
95th percentile per-packet one-way delay: 57.058 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 58.299 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 64.153 ms
Loss rate: 1.02%

Run 2: Report of TCP Cubic — Data Link

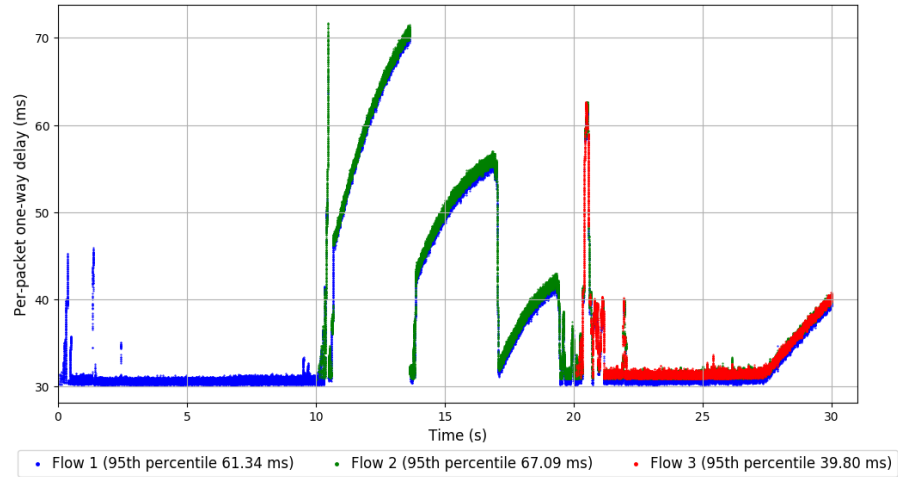
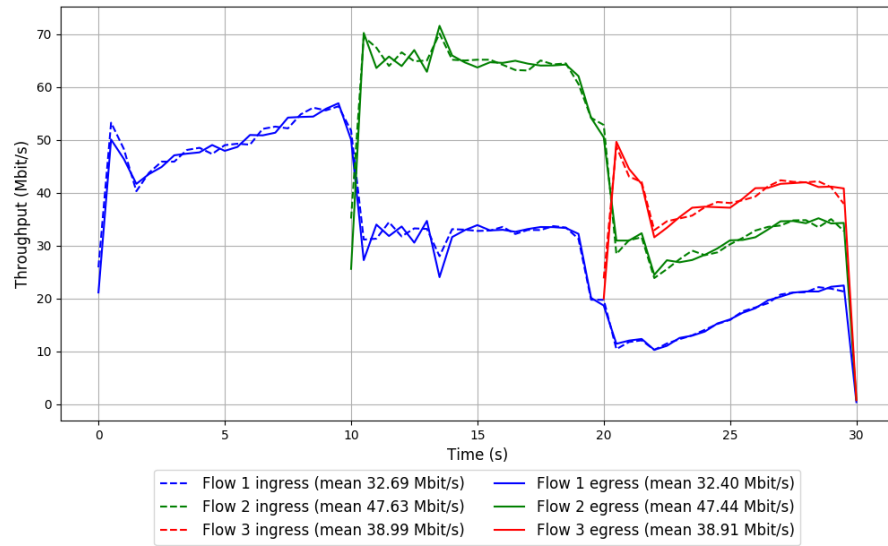


Run 3: Statistics of TCP Cubic

Start at: 2018-03-13 19:31:03
End at: 2018-03-13 19:31:33
Local clock offset: 0.9 ms
Remote clock offset: -0.827 ms

Below is generated by plot.py at 2018-03-13 23:04:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 64.060 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 32.40 Mbit/s
95th percentile per-packet one-way delay: 61.342 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 67.089 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 39.795 ms
Loss rate: 0.13%

Run 3: Report of TCP Cubic — Data Link

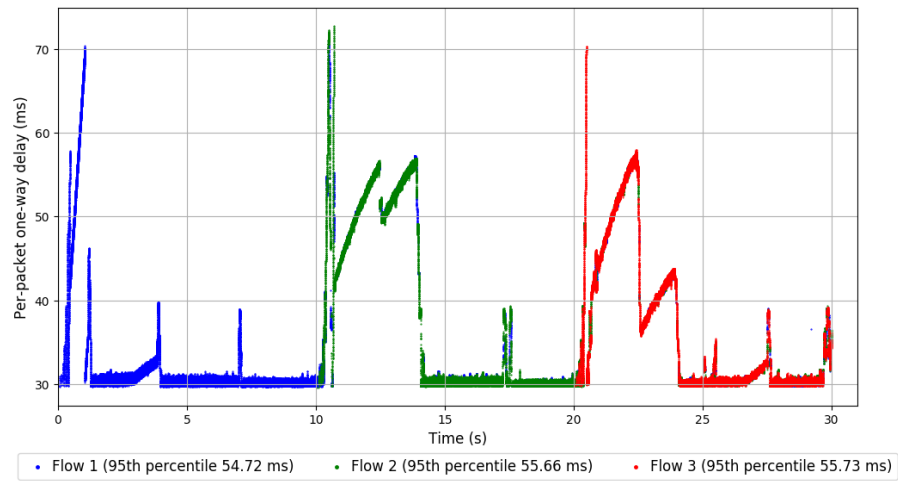
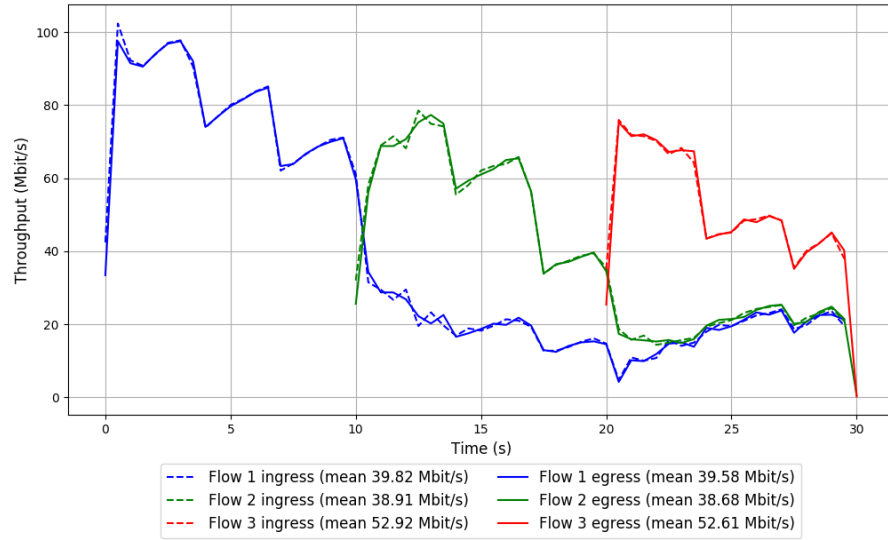


Run 4: Statistics of TCP Cubic

Start at: 2018-03-13 19:55:46
End at: 2018-03-13 19:56:16
Local clock offset: 0.877 ms
Remote clock offset: -1.645 ms

Below is generated by plot.py at 2018-03-13 23:04:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.80 Mbit/s
95th percentile per-packet one-way delay: 55.435 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 54.720 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 55.665 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 52.61 Mbit/s
95th percentile per-packet one-way delay: 55.731 ms
Loss rate: 0.53%

Run 4: Report of TCP Cubic — Data Link

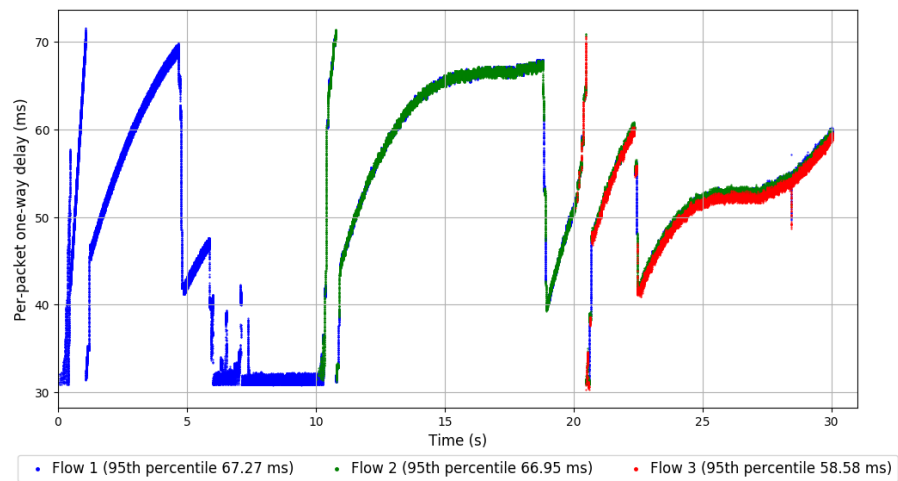
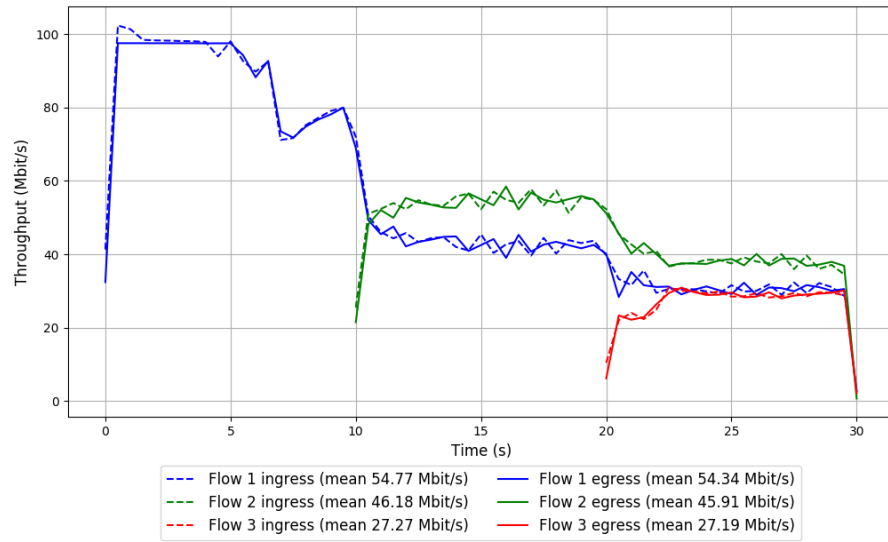


Run 5: Statistics of TCP Cubic

Start at: 2018-03-13 20:20:22
End at: 2018-03-13 20:20:52
Local clock offset: 0.713 ms
Remote clock offset: -2.102 ms

Below is generated by plot.py at 2018-03-13 23:04:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 67.108 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 67.267 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 45.91 Mbit/s
95th percentile per-packet one-way delay: 66.950 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 27.19 Mbit/s
95th percentile per-packet one-way delay: 58.584 ms
Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link

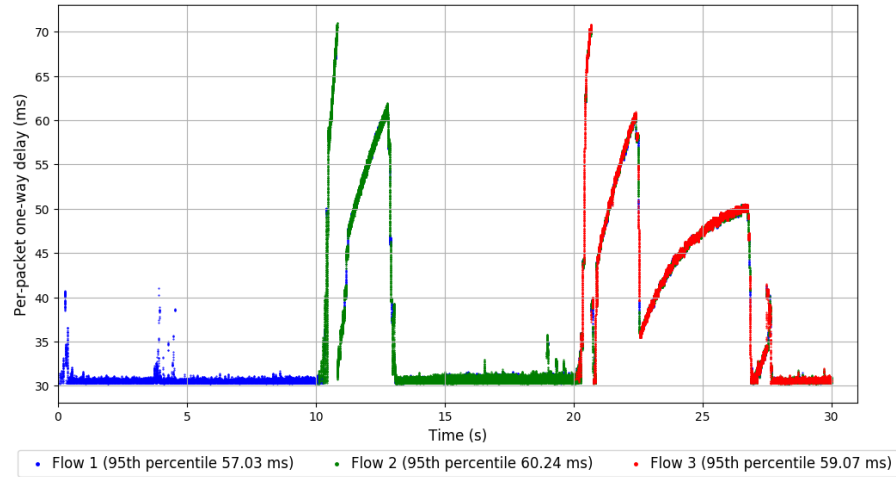
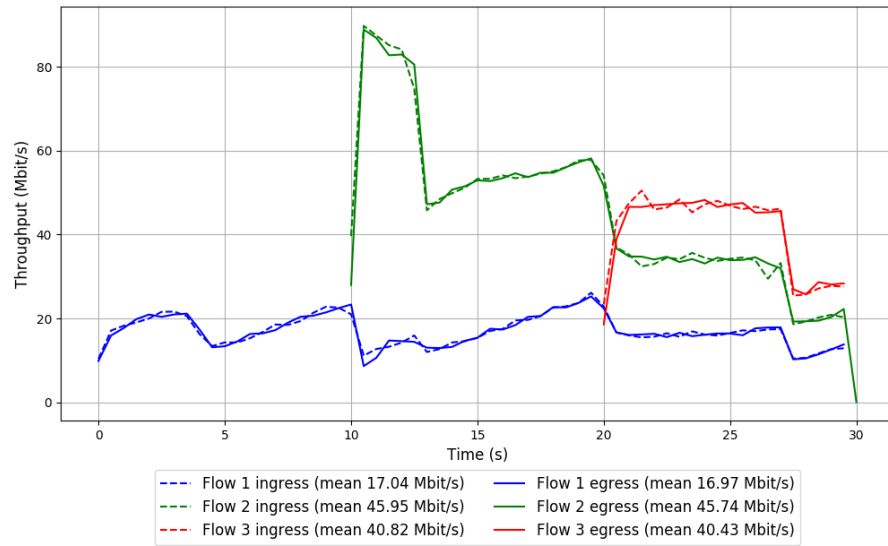


Run 6: Statistics of TCP Cubic

Start at: 2018-03-13 20:45:19
End at: 2018-03-13 20:45:49
Local clock offset: 1.203 ms
Remote clock offset: -2.164 ms

Below is generated by plot.py at 2018-03-13 23:04:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 59.500 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 16.97 Mbit/s
95th percentile per-packet one-way delay: 57.027 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 45.74 Mbit/s
95th percentile per-packet one-way delay: 60.243 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 59.066 ms
Loss rate: 0.96%

Run 6: Report of TCP Cubic — Data Link

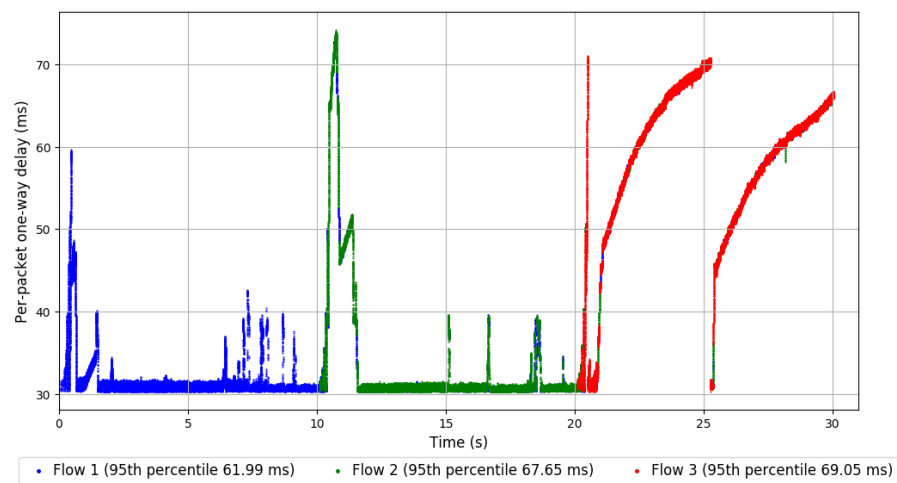
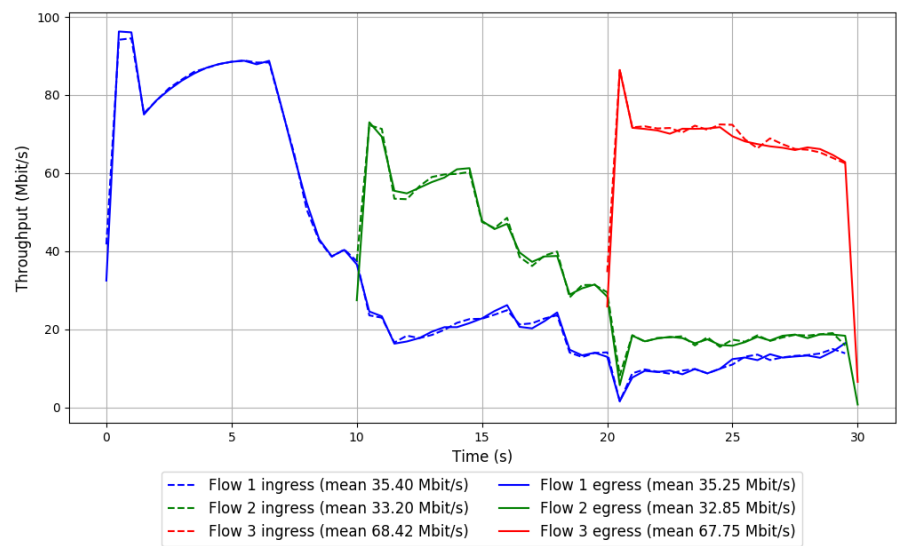


Run 7: Statistics of TCP Cubic

Start at: 2018-03-13 21:10:21
End at: 2018-03-13 21:10:51
Local clock offset: 0.859 ms
Remote clock offset: -1.957 ms

Below is generated by plot.py at 2018-03-13 23:05:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.60 Mbit/s
95th percentile per-packet one-way delay: 67.842 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 61.986 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 67.649 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 69.054 ms
Loss rate: 0.62%

Run 7: Report of TCP Cubic — Data Link

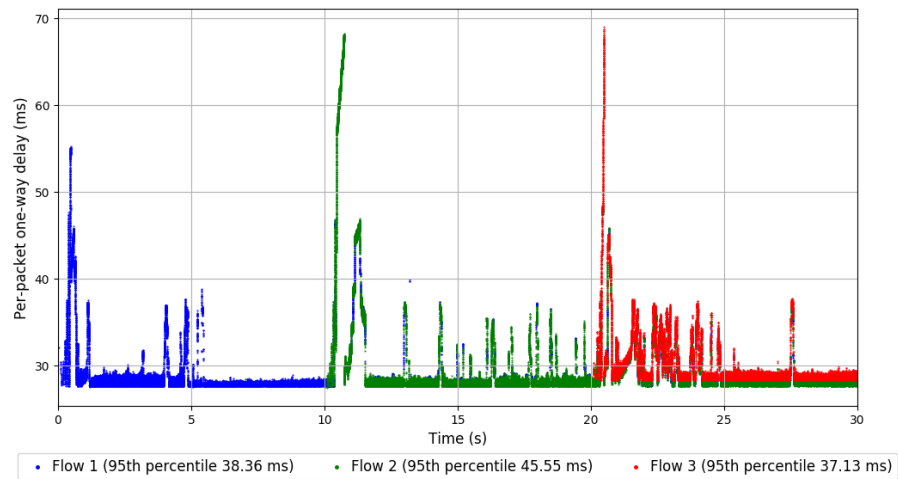
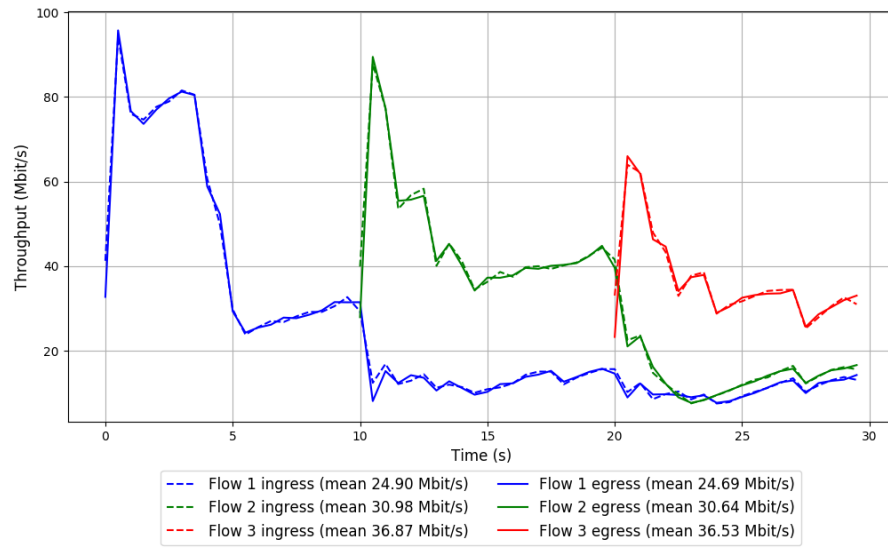


Run 8: Statistics of TCP Cubic

Start at: 2018-03-13 21:35:20
End at: 2018-03-13 21:35:50
Local clock offset: 0.821 ms
Remote clock offset: -4.241 ms

Below is generated by plot.py at 2018-03-13 23:05:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.22 Mbit/s
95th percentile per-packet one-way delay: 41.227 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 38.356 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 45.546 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 37.132 ms
Loss rate: 0.92%

Run 8: Report of TCP Cubic — Data Link

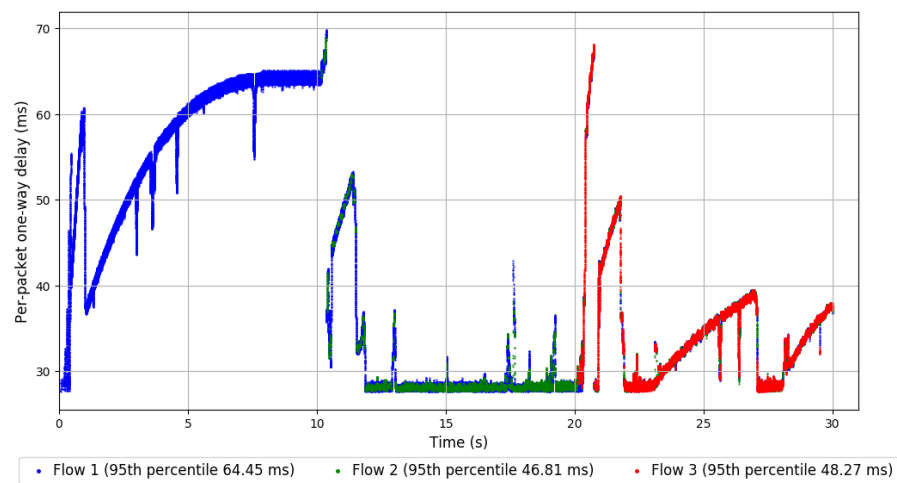
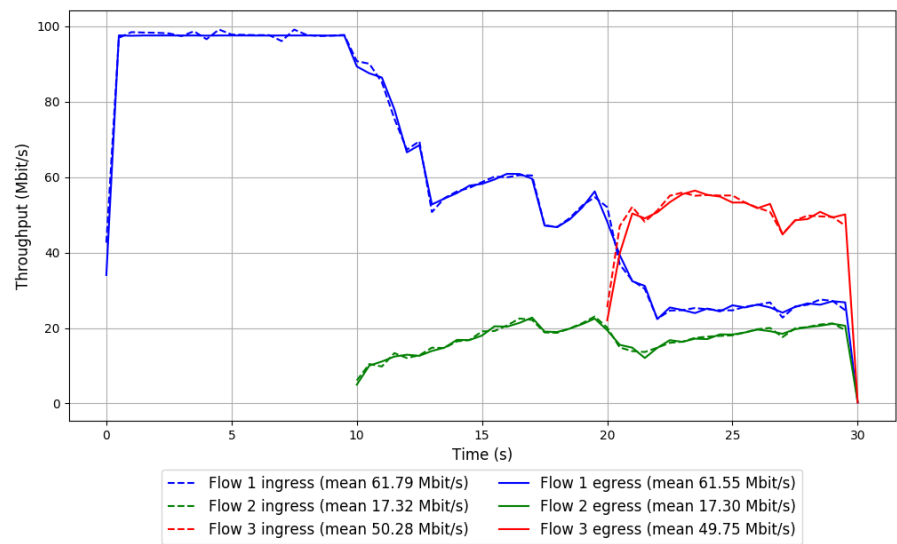


Run 9: Statistics of TCP Cubic

Start at: 2018-03-13 22:01:35
End at: 2018-03-13 22:02:05
Local clock offset: 0.868 ms
Remote clock offset: -4.947 ms

Below is generated by plot.py at 2018-03-13 23:05:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 64.376 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 64.447 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 17.30 Mbit/s
95th percentile per-packet one-way delay: 46.811 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 49.75 Mbit/s
95th percentile per-packet one-way delay: 48.271 ms
Loss rate: 0.97%

Run 9: Report of TCP Cubic — Data Link

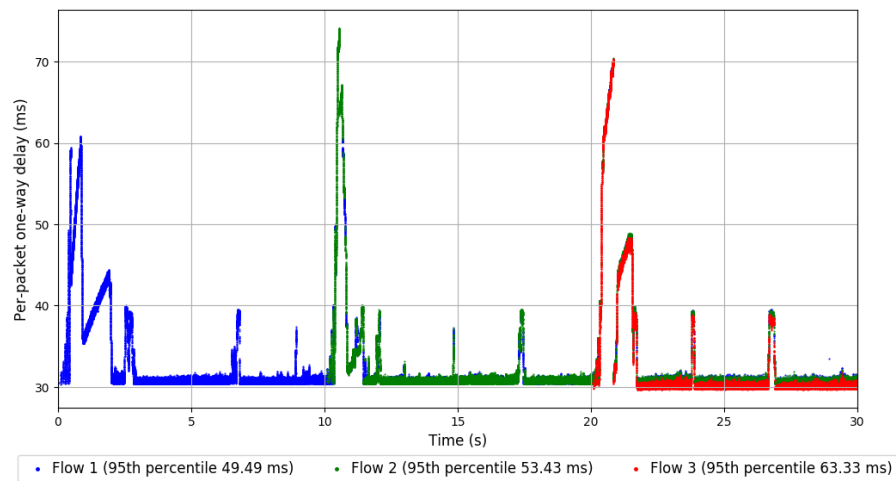
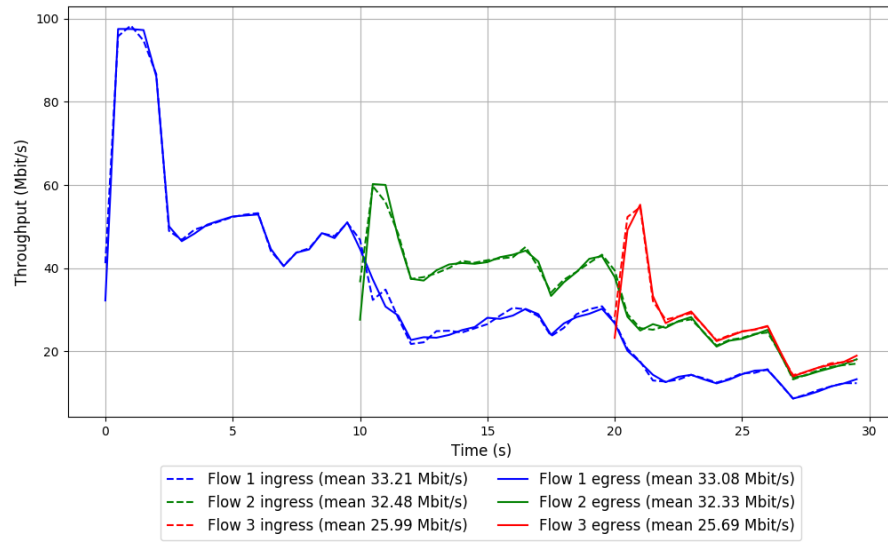


Run 10: Statistics of TCP Cubic

Start at: 2018-03-13 22:27:43
End at: 2018-03-13 22:28:13
Local clock offset: 0.901 ms
Remote clock offset: -1.401 ms

Below is generated by plot.py at 2018-03-13 23:05:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.13 Mbit/s
95th percentile per-packet one-way delay: 52.214 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 33.08 Mbit/s
95th percentile per-packet one-way delay: 49.490 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 53.431 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 25.69 Mbit/s
95th percentile per-packet one-way delay: 63.333 ms
Loss rate: 1.16%

Run 10: Report of TCP Cubic — Data Link

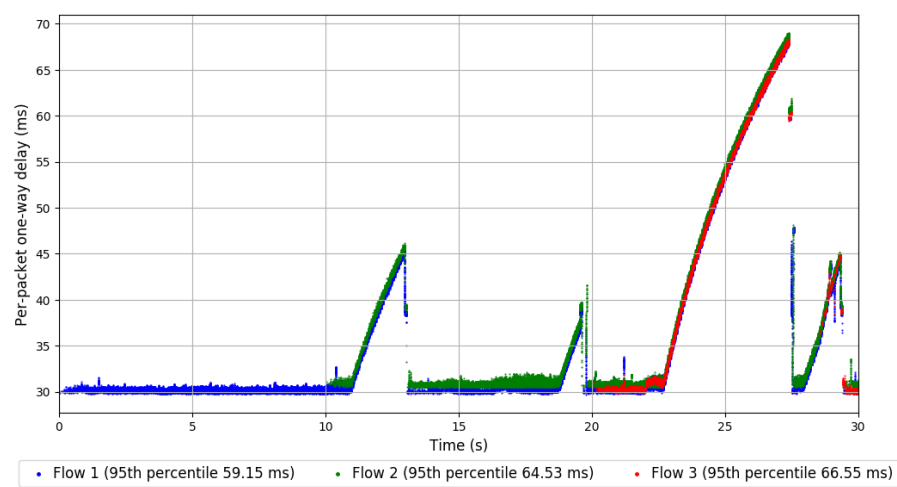
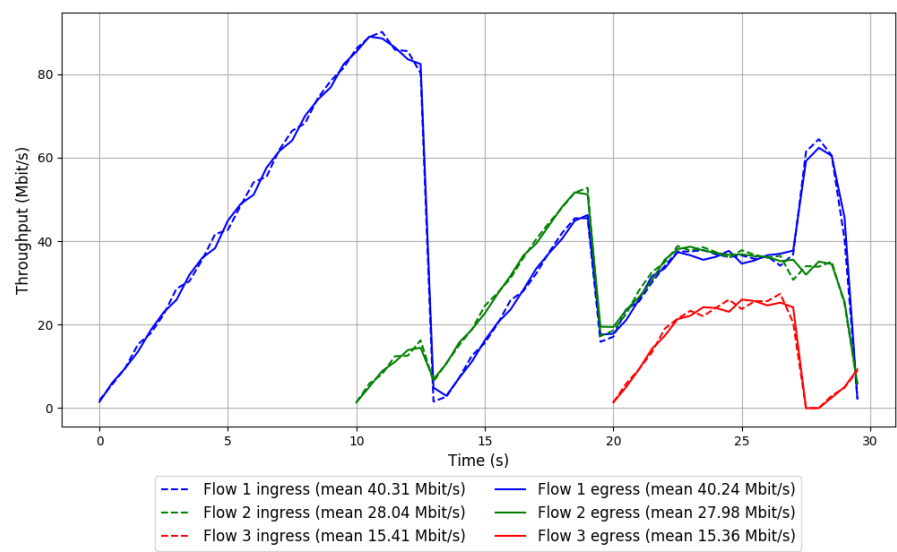


Run 1: Statistics of LEDBAT

Start at: 2018-03-13 18:33:19
End at: 2018-03-13 18:33:49
Local clock offset: 1.712 ms
Remote clock offset: -0.468 ms

Below is generated by plot.py at 2018-03-13 23:05:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.95 Mbit/s
95th percentile per-packet one-way delay: 63.035 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 40.24 Mbit/s
95th percentile per-packet one-way delay: 59.147 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 64.535 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 66.551 ms
Loss rate: 0.31%

Run 1: Report of LEDBAT — Data Link

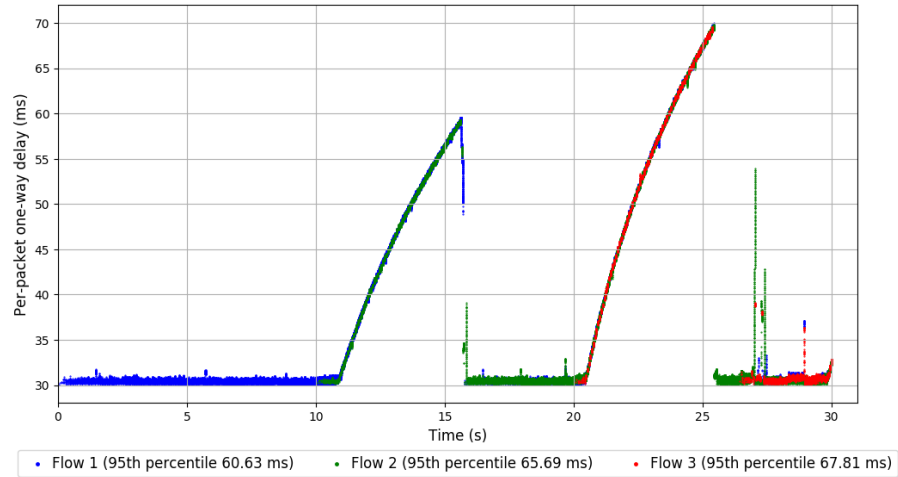
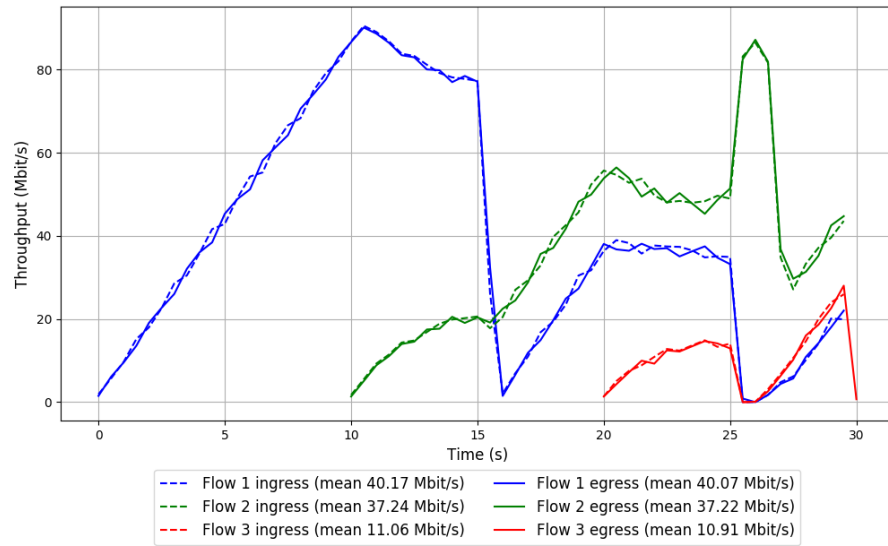


Run 2: Statistics of LEDBAT

Start at: 2018-03-13 18:57:57
End at: 2018-03-13 18:58:27
Local clock offset: 1.07 ms
Remote clock offset: -1.445 ms

Below is generated by plot.py at 2018-03-13 23:05:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.41 Mbit/s
95th percentile per-packet one-way delay: 64.132 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 60.627 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 65.688 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 67.807 ms
Loss rate: 1.31%

Run 2: Report of LEDBAT — Data Link

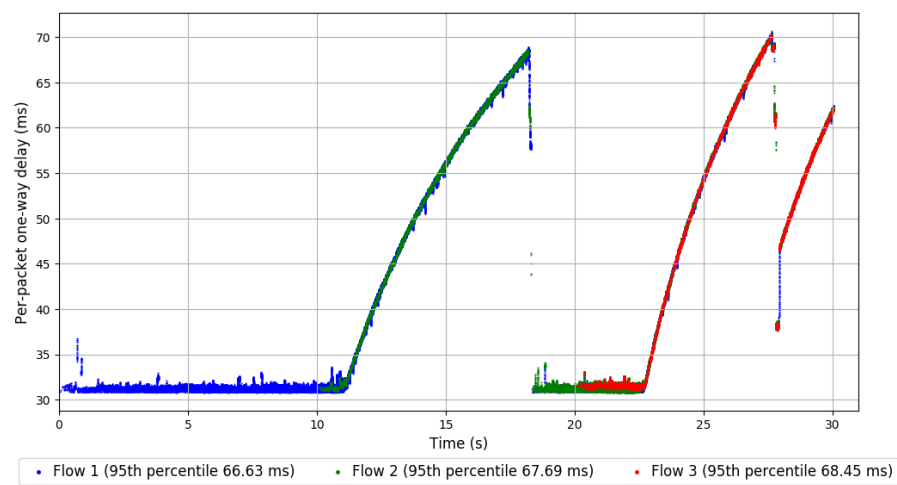
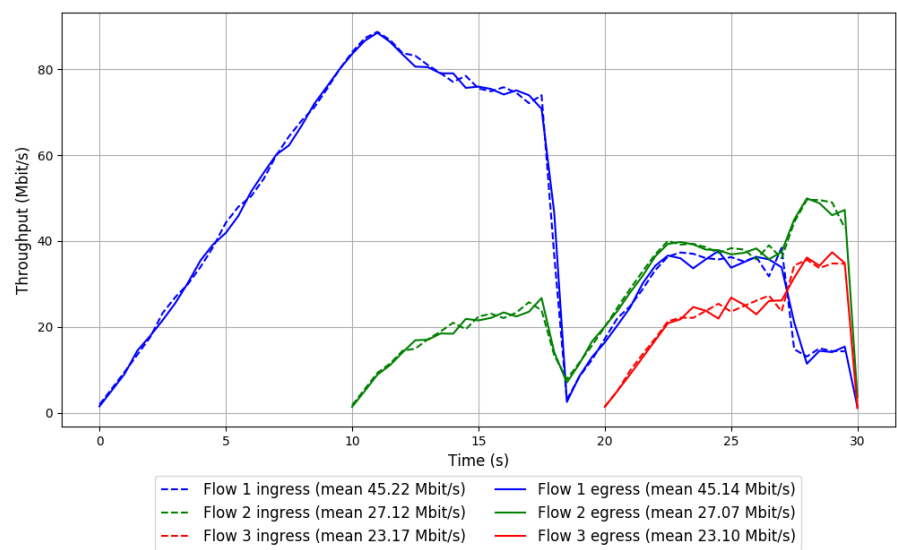


Run 3: Statistics of LEDBAT

Start at: 2018-03-13 19:22:51
End at: 2018-03-13 19:23:21
Local clock offset: 0.966 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2018-03-13 23:05:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.85 Mbit/s
95th percentile per-packet one-way delay: 67.126 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 66.632 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 27.07 Mbit/s
95th percentile per-packet one-way delay: 67.688 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 68.451 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

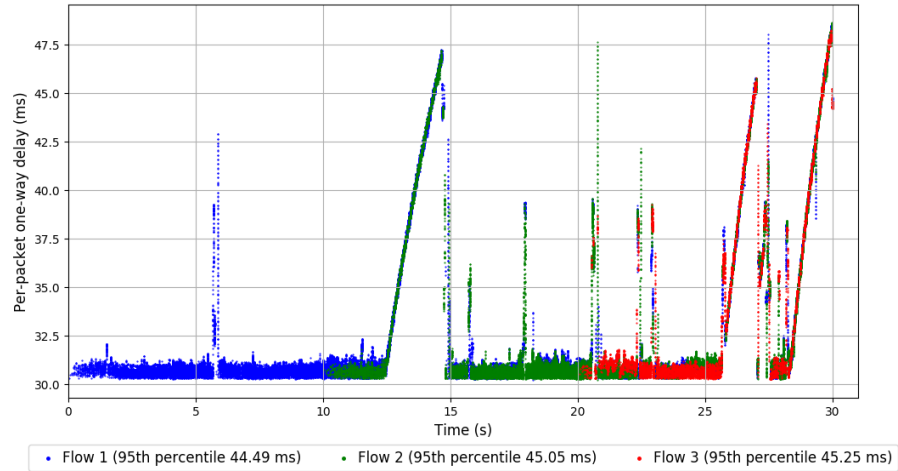
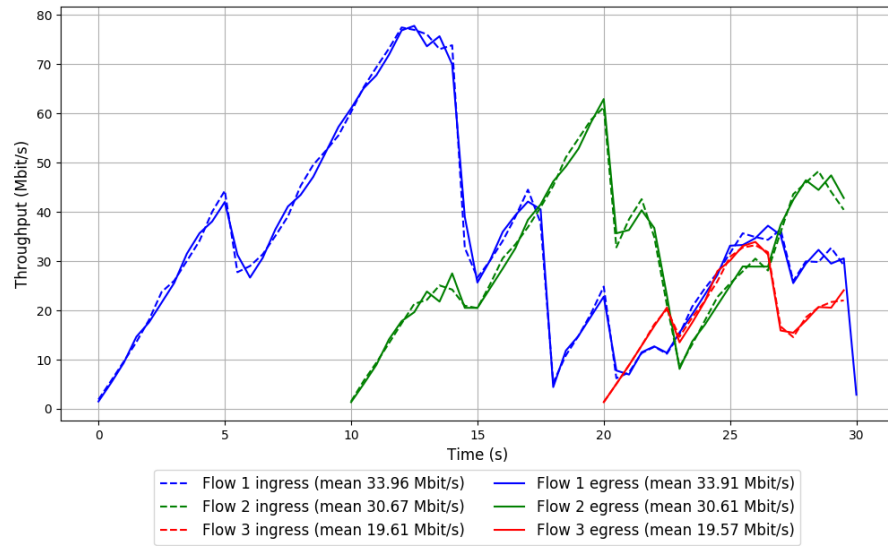


Run 4: Statistics of LEDBAT

Start at: 2018-03-13 19:47:34
End at: 2018-03-13 19:48:04
Local clock offset: 0.835 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2018-03-13 23:05:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 44.754 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 33.91 Mbit/s
95th percentile per-packet one-way delay: 44.486 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 45.050 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 45.248 ms
Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link

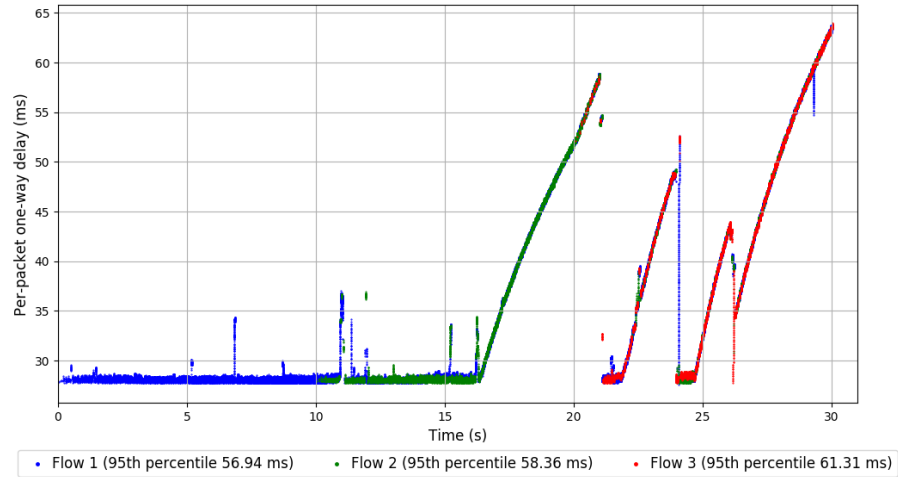
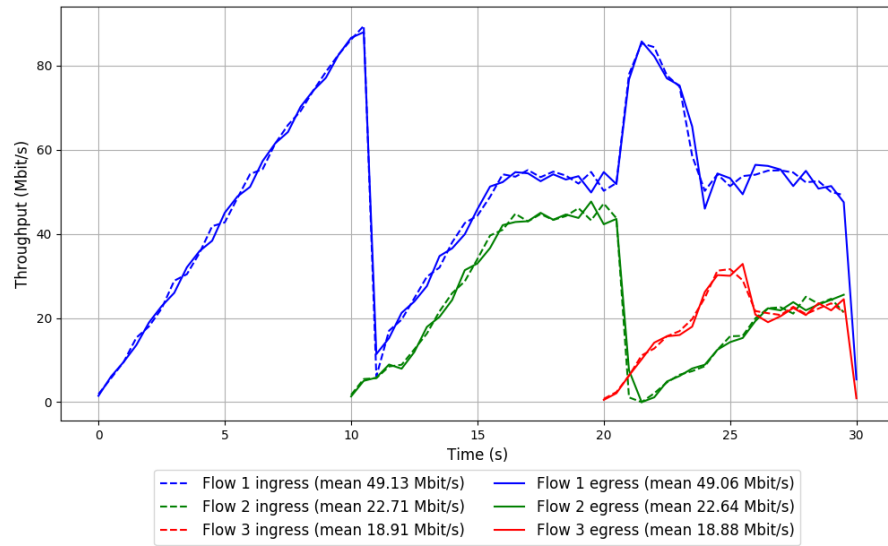


Run 5: Statistics of LEDBAT

Start at: 2018-03-13 20:12:10
End at: 2018-03-13 20:12:40
Local clock offset: 0.797 ms
Remote clock offset: -4.283 ms

Below is generated by plot.py at 2018-03-13 23:06:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.37 Mbit/s
95th percentile per-packet one-way delay: 58.061 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 49.06 Mbit/s
95th percentile per-packet one-way delay: 56.942 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 22.64 Mbit/s
95th percentile per-packet one-way delay: 58.356 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 18.88 Mbit/s
95th percentile per-packet one-way delay: 61.309 ms
Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

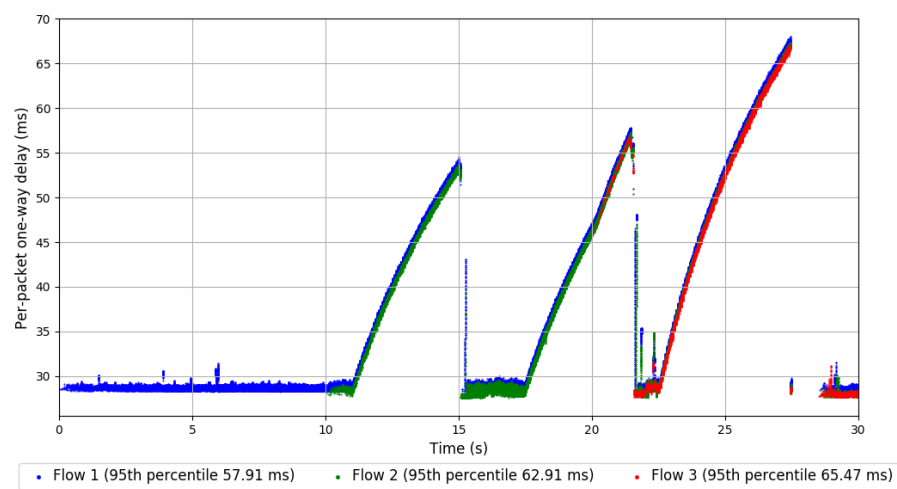
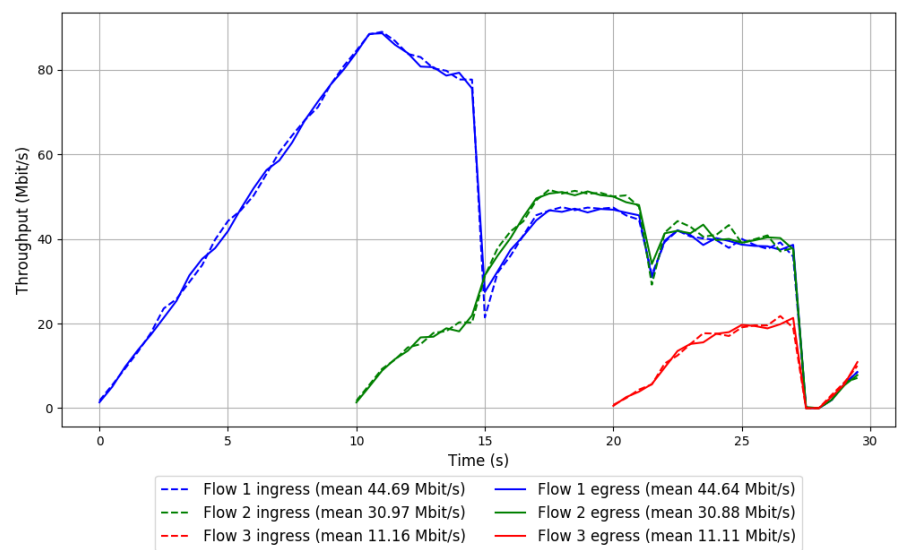


Run 6: Statistics of LEDBAT

Start at: 2018-03-13 20:36:49
End at: 2018-03-13 20:37:19
Local clock offset: 1.117 ms
Remote clock offset: -4.233 ms

Below is generated by plot.py at 2018-03-13 23:06:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.83 Mbit/s
95th percentile per-packet one-way delay: 61.639 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 44.64 Mbit/s
95th percentile per-packet one-way delay: 57.906 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 62.907 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 65.471 ms
Loss rate: 0.64%

Run 6: Report of LEDBAT — Data Link

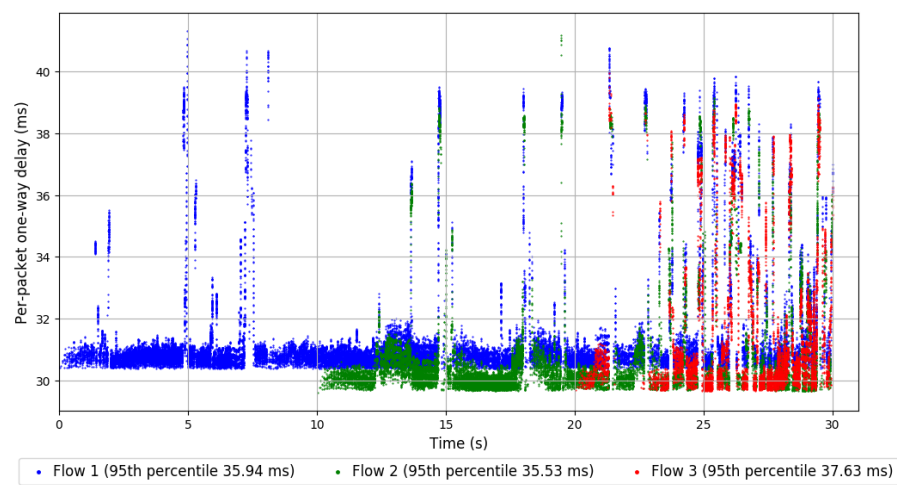
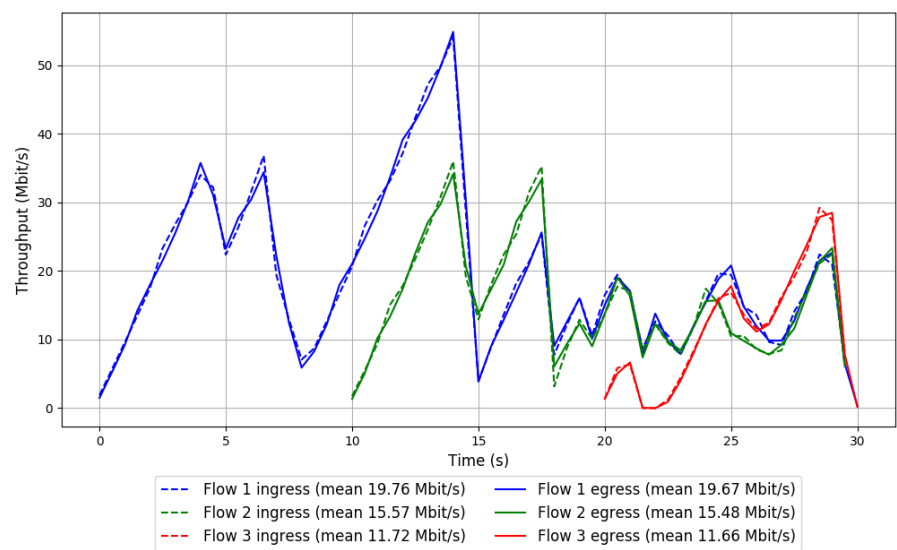


Run 7: Statistics of LEDBAT

Start at: 2018-03-13 21:01:49
End at: 2018-03-13 21:02:19
Local clock offset: 0.929 ms
Remote clock offset: -2.058 ms

Below is generated by plot.py at 2018-03-13 23:06:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 36.394 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 19.67 Mbit/s
95th percentile per-packet one-way delay: 35.942 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 35.531 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 37.626 ms
Loss rate: 0.40%

Run 7: Report of LEDBAT — Data Link

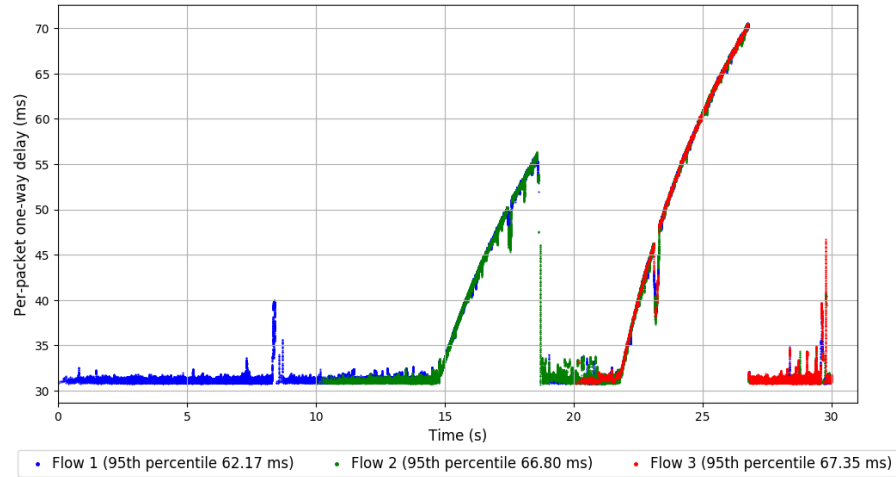
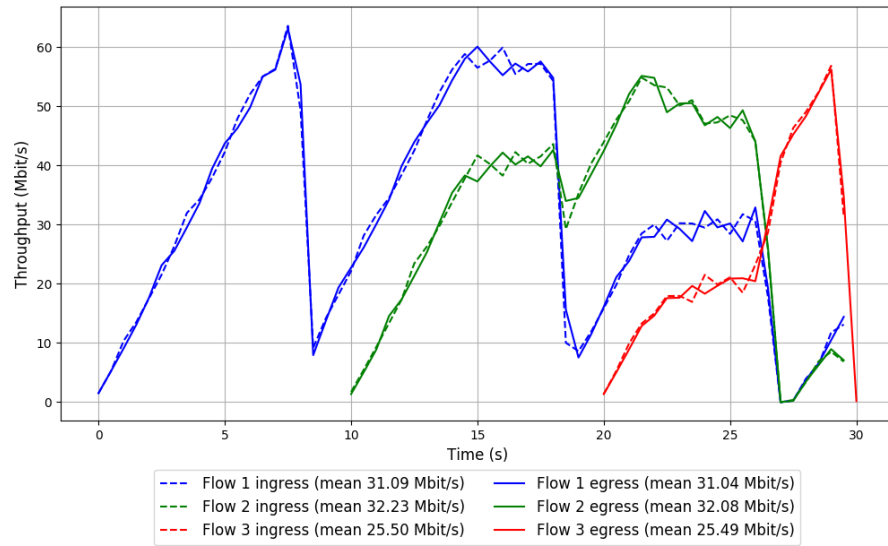


Run 8: Statistics of LEDBAT

Start at: 2018-03-13 21:26:54
End at: 2018-03-13 21:27:24
Local clock offset: 0.764 ms
Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-03-13 23:06:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 65.524 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 62.167 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 66.802 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 67.352 ms
Loss rate: 0.04%

Run 8: Report of LEDBAT — Data Link

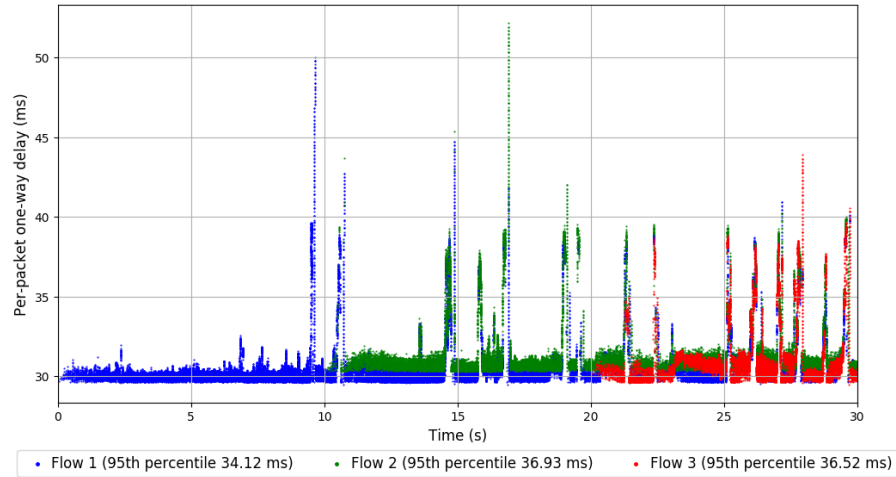
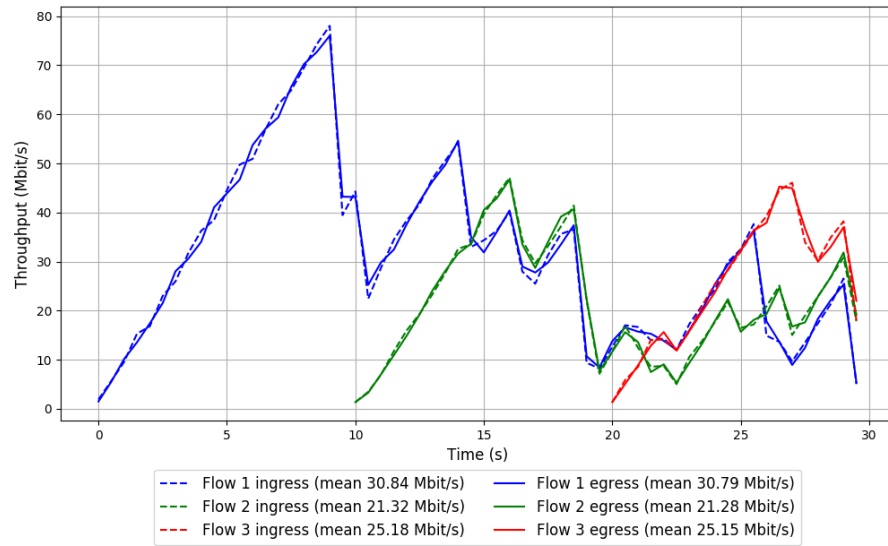


Run 9: Statistics of LEDBAT

Start at: 2018-03-13 21:52:34
End at: 2018-03-13 21:53:04
Local clock offset: 0.853 ms
Remote clock offset: -2.838 ms

Below is generated by plot.py at 2018-03-13 23:06:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.27 Mbit/s
95th percentile per-packet one-way delay: 35.764 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 30.79 Mbit/s
95th percentile per-packet one-way delay: 34.120 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 21.28 Mbit/s
95th percentile per-packet one-way delay: 36.927 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 36.520 ms
Loss rate: 0.11%

Run 9: Report of LEDBAT — Data Link

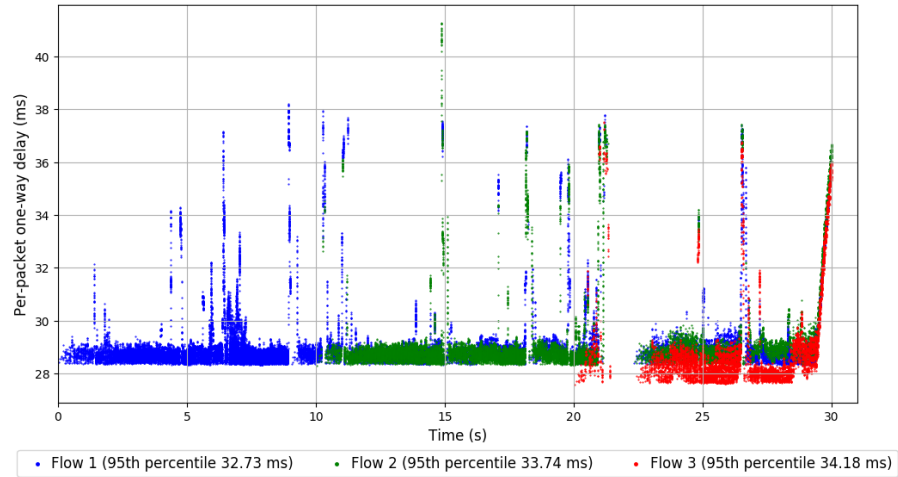
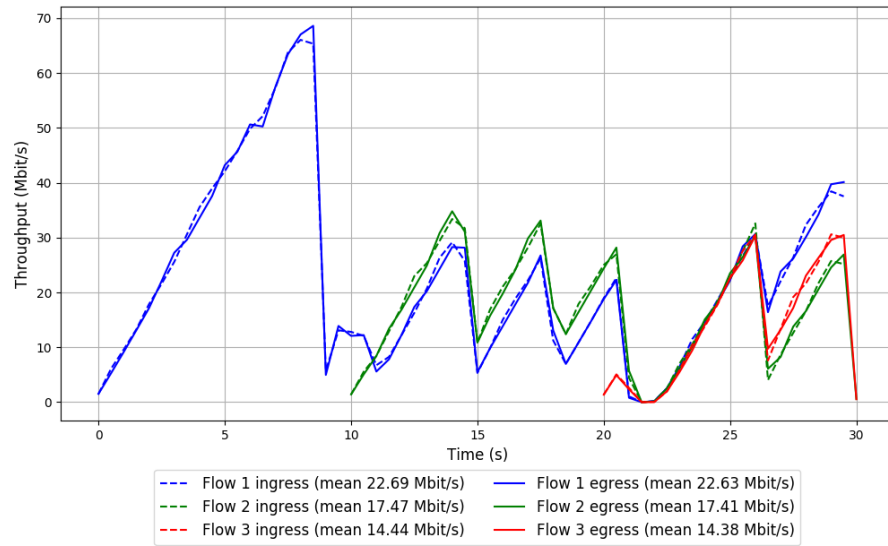


Run 10: Statistics of LEDBAT

Start at: 2018-03-13 22:18:58
End at: 2018-03-13 22:19:28
Local clock offset: 0.872 ms
Remote clock offset: -3.797 ms

Below is generated by plot.py at 2018-03-13 23:06:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 33.373 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 22.63 Mbit/s
95th percentile per-packet one-way delay: 32.733 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 17.41 Mbit/s
95th percentile per-packet one-way delay: 33.740 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 34.184 ms
Loss rate: 0.39%

Run 10: Report of LEDBAT — Data Link

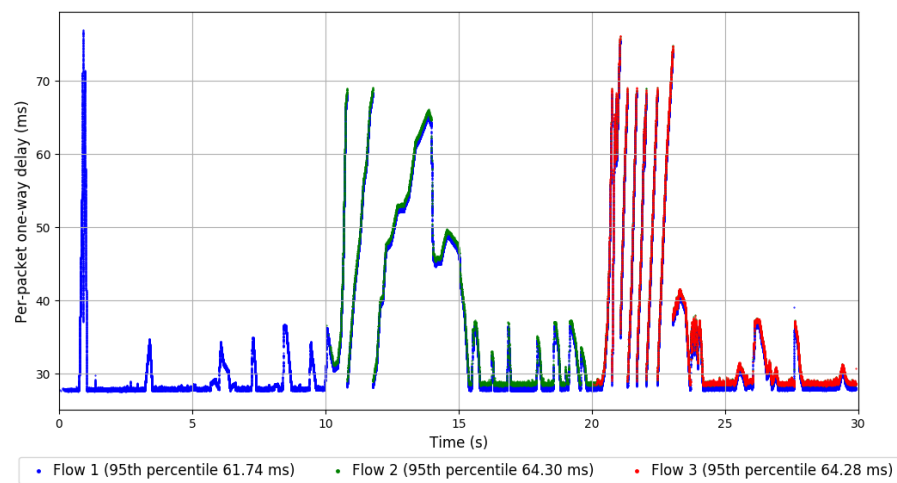
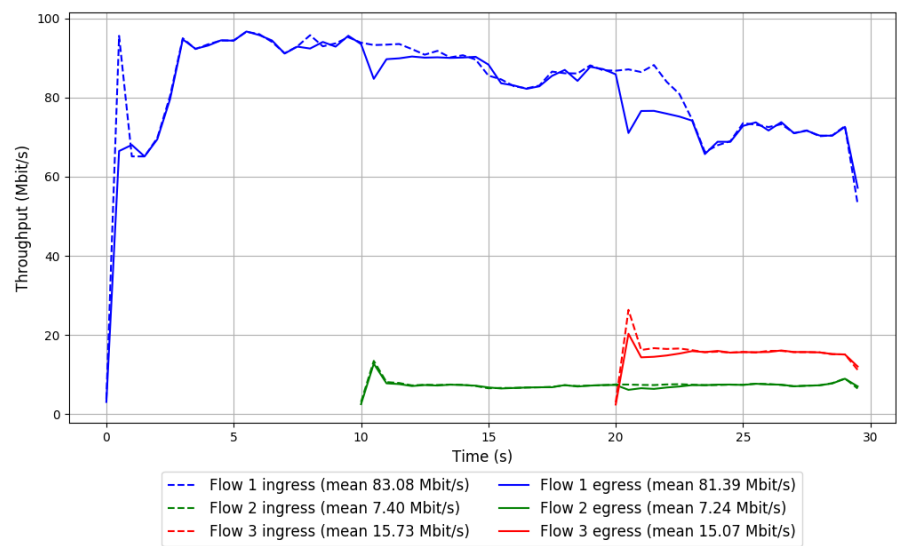


Run 1: Statistics of PCC

Start at: 2018-03-13 18:45:33
End at: 2018-03-13 18:46:03
Local clock offset: 1.428 ms
Remote clock offset: -3.021 ms

Below is generated by plot.py at 2018-03-13 23:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 62.097 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 61.743 ms
Loss rate: 2.04%
-- Flow 2:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 64.297 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 64.280 ms
Loss rate: 4.15%

Run 1: Report of PCC — Data Link

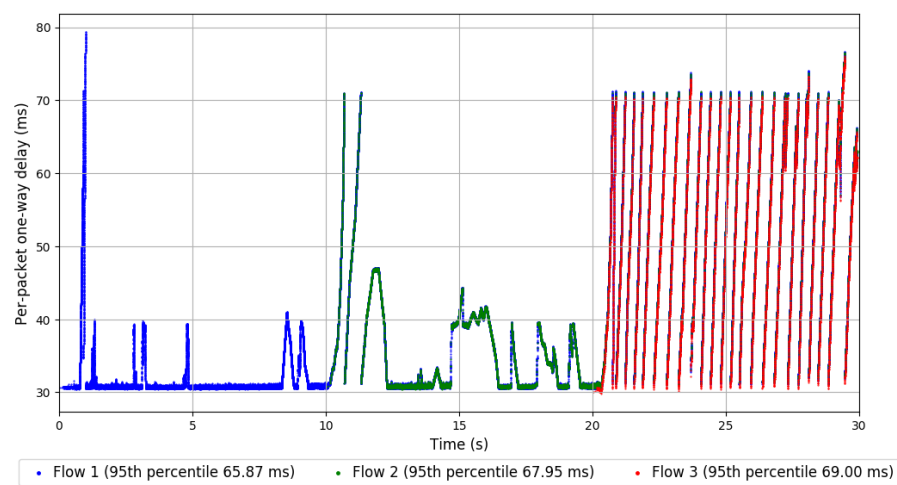
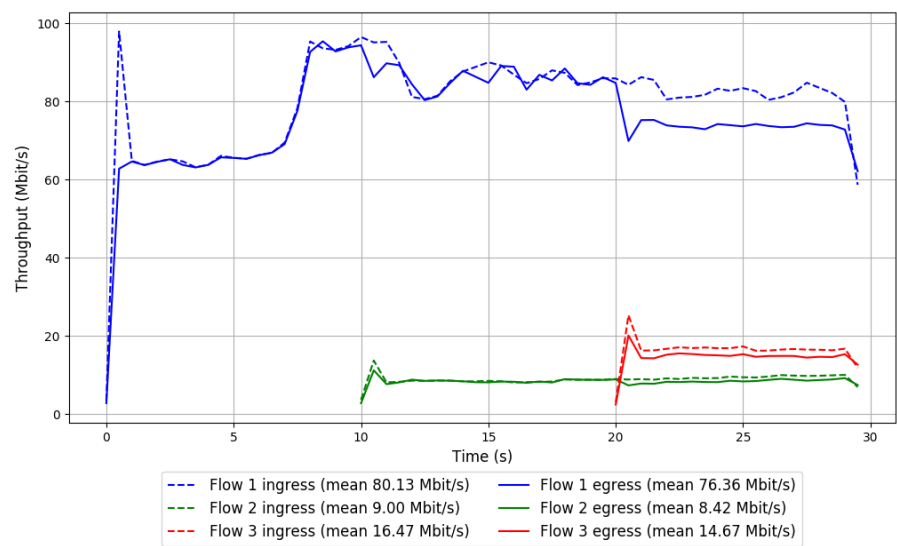


Run 2: Statistics of PCC

Start at: 2018-03-13 19:10:27
End at: 2018-03-13 19:10:57
Local clock offset: 0.8 ms
Remote clock offset: -2.145 ms

Below is generated by plot.py at 2018-03-13 23:06:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 66.509 ms
Loss rate: 5.08%
-- Flow 1:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 65.868 ms
Loss rate: 4.62%
-- Flow 2:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 67.955 ms
Loss rate: 6.27%
-- Flow 3:
Average throughput: 14.67 Mbit/s
95th percentile per-packet one-way delay: 68.999 ms
Loss rate: 10.64%

Run 2: Report of PCC — Data Link

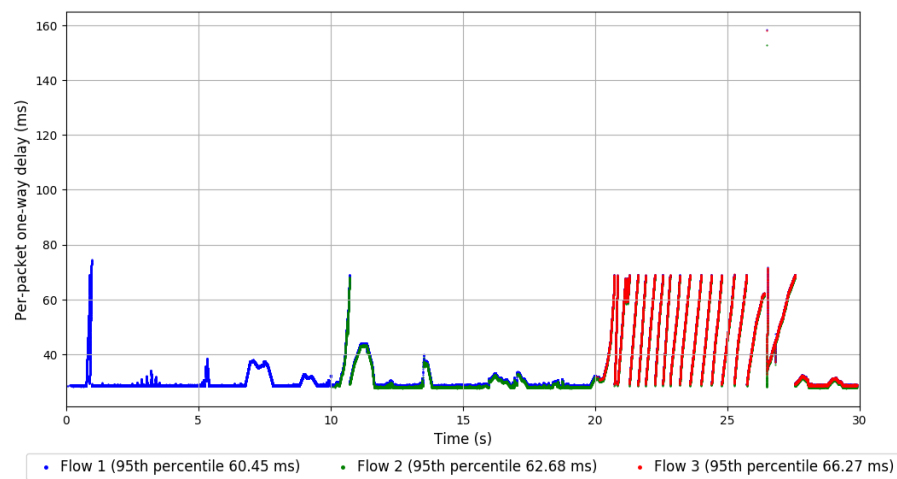
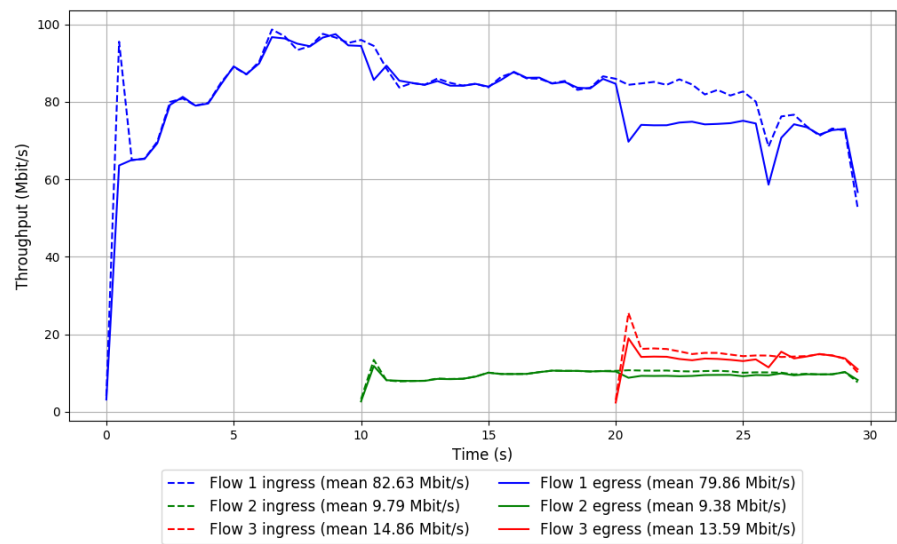


Run 3: Statistics of PCC

Start at: 2018-03-13 19:35:04
End at: 2018-03-13 19:35:34
Local clock offset: 0.929 ms
Remote clock offset: -3.303 ms

Below is generated by plot.py at 2018-03-13 23:07:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 61.485 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 79.86 Mbit/s
95th percentile per-packet one-way delay: 60.448 ms
Loss rate: 3.35%
-- Flow 2:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 62.680 ms
Loss rate: 4.17%
-- Flow 3:
Average throughput: 13.59 Mbit/s
95th percentile per-packet one-way delay: 66.268 ms
Loss rate: 8.54%

Run 3: Report of PCC — Data Link

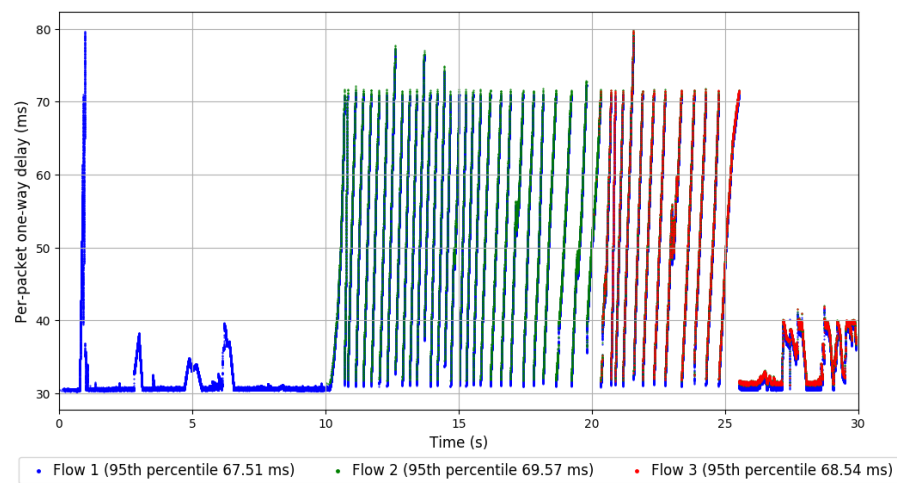
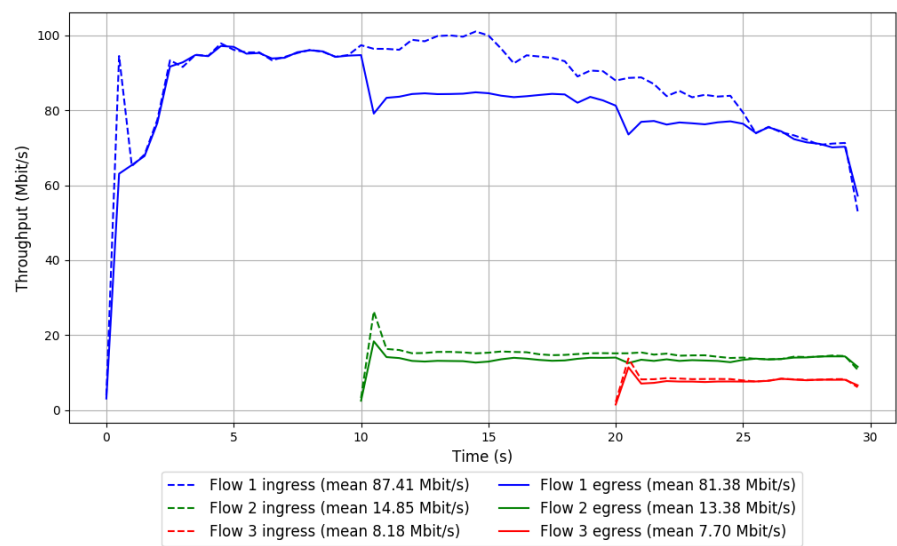


Run 4: Statistics of PCC

Start at: 2018-03-13 19:59:49
End at: 2018-03-13 20:00:19
Local clock offset: 0.758 ms
Remote clock offset: -1.302 ms

Below is generated by plot.py at 2018-03-13 23:07:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 67.842 ms
Loss rate: 7.15%
-- Flow 1:
Average throughput: 81.38 Mbit/s
95th percentile per-packet one-way delay: 67.511 ms
Loss rate: 6.87%
-- Flow 2:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 69.571 ms
Loss rate: 9.91%
-- Flow 3:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 68.539 ms
Loss rate: 6.12%

Run 4: Report of PCC — Data Link

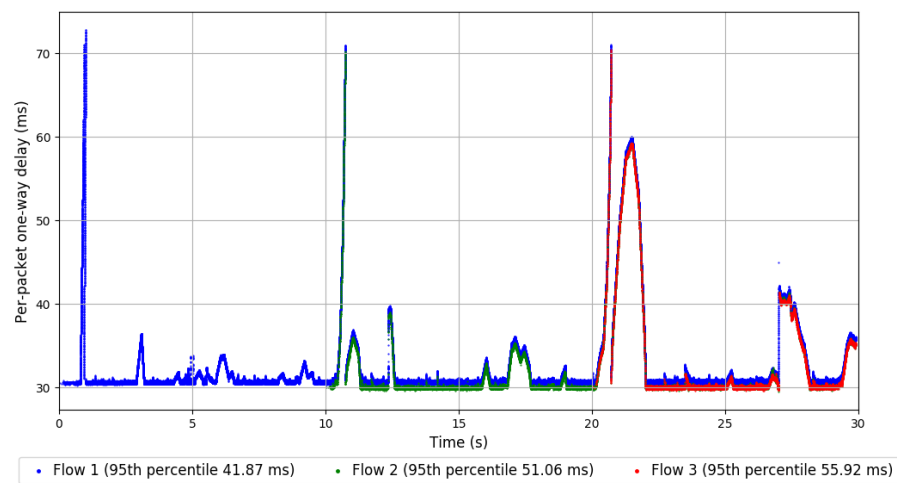
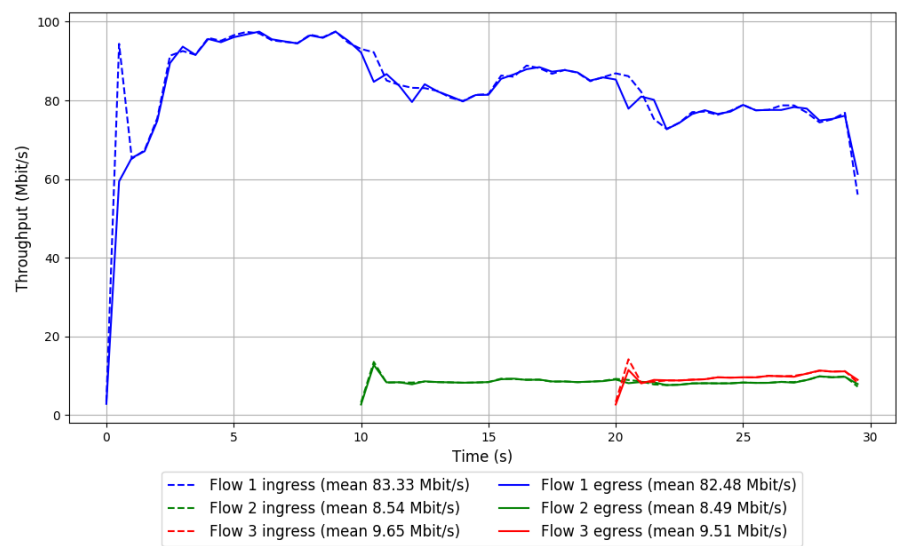


Run 5: Statistics of PCC

Start at: 2018-03-13 20:24:24
End at: 2018-03-13 20:24:54
Local clock offset: 0.913 ms
Remote clock offset: -2.444 ms

Below is generated by plot.py at 2018-03-13 23:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 43.762 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 41.869 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 51.060 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 55.921 ms
Loss rate: 1.39%

Run 5: Report of PCC — Data Link

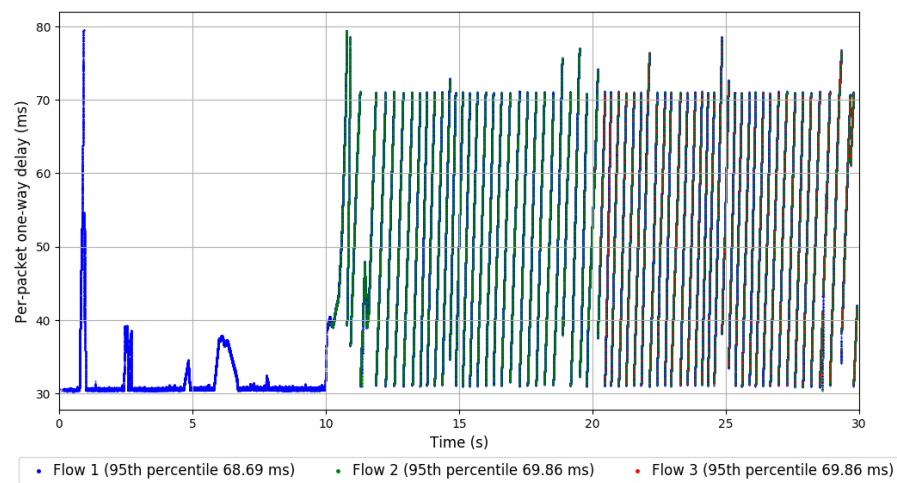
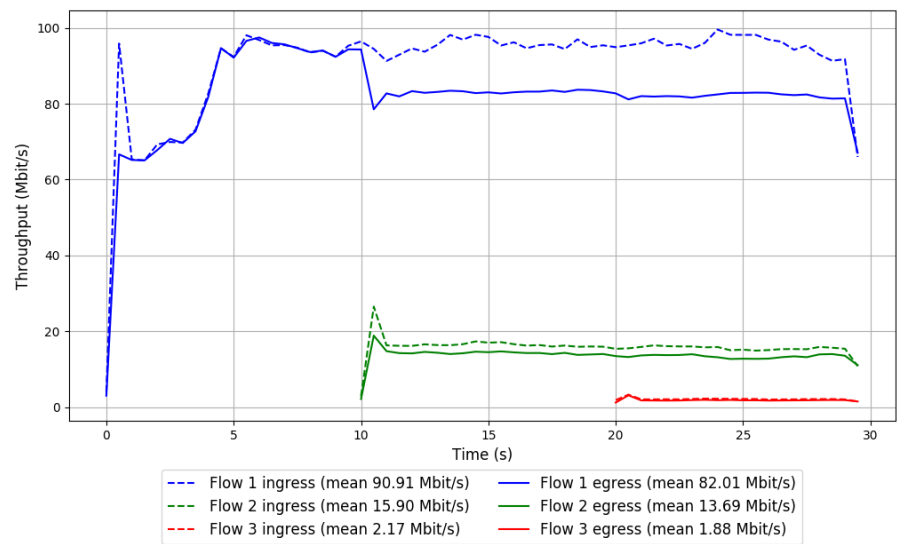


Run 6: Statistics of PCC

Start at: 2018-03-13 20:49:19
End at: 2018-03-13 20:49:49
Local clock offset: 1.213 ms
Remote clock offset: -2.042 ms

Below is generated by plot.py at 2018-03-13 23:07:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 68.873 ms
Loss rate: 10.21%
-- Flow 1:
Average throughput: 82.01 Mbit/s
95th percentile per-packet one-way delay: 68.693 ms
Loss rate: 9.75%
-- Flow 2:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 69.857 ms
Loss rate: 13.89%
-- Flow 3:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 69.857 ms
Loss rate: 13.69%

Run 6: Report of PCC — Data Link

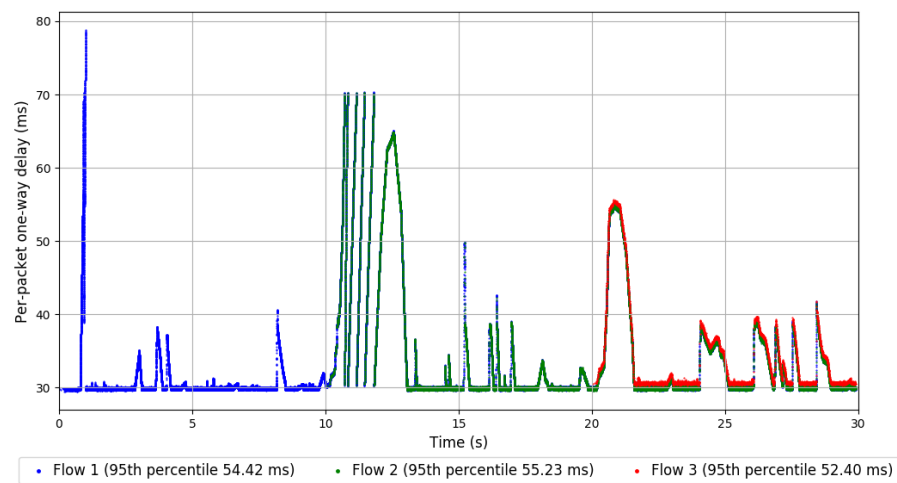
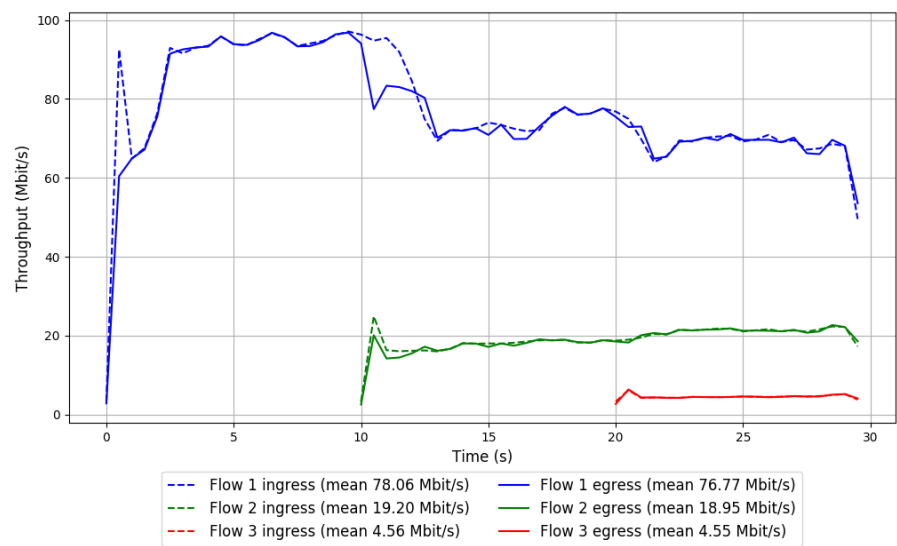


Run 7: Statistics of PCC

Start at: 2018-03-13 21:14:23
End at: 2018-03-13 21:14:53
Local clock offset: 0.826 ms
Remote clock offset: -1.926 ms

Below is generated by plot.py at 2018-03-13 23:07:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 54.493 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 76.77 Mbit/s
95th percentile per-packet one-way delay: 54.422 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 55.228 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 52.404 ms
Loss rate: 0.16%

Run 7: Report of PCC — Data Link

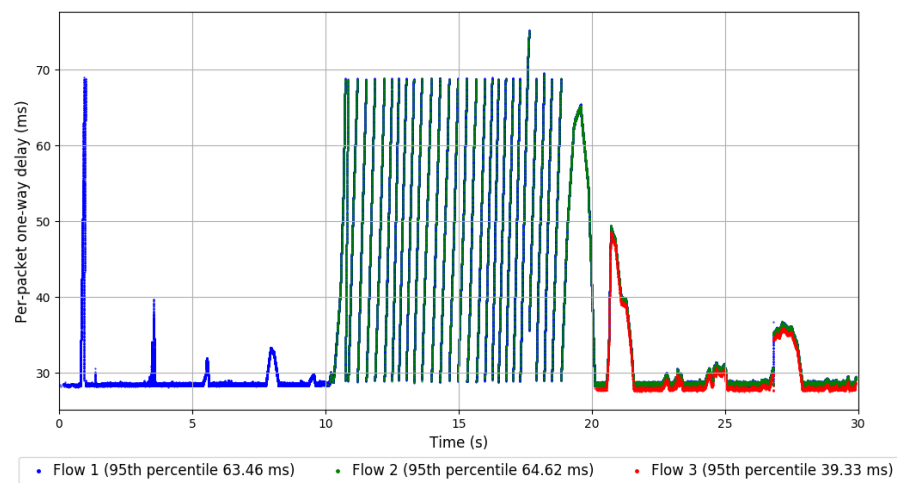
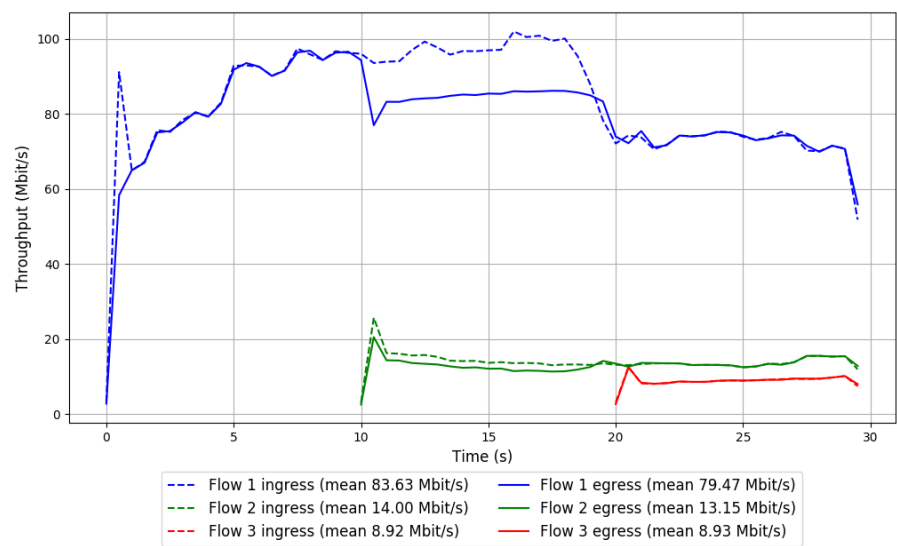


Run 8: Statistics of PCC

Start at: 2018-03-13 21:39:24
End at: 2018-03-13 21:39:54
Local clock offset: 0.871 ms
Remote clock offset: -4.511 ms

Below is generated by plot.py at 2018-03-13 23:07:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 63.475 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 63.462 ms
Loss rate: 4.97%
-- Flow 2:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 64.622 ms
Loss rate: 6.12%
-- Flow 3:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 39.326 ms
Loss rate: 0.00%

Run 8: Report of PCC — Data Link

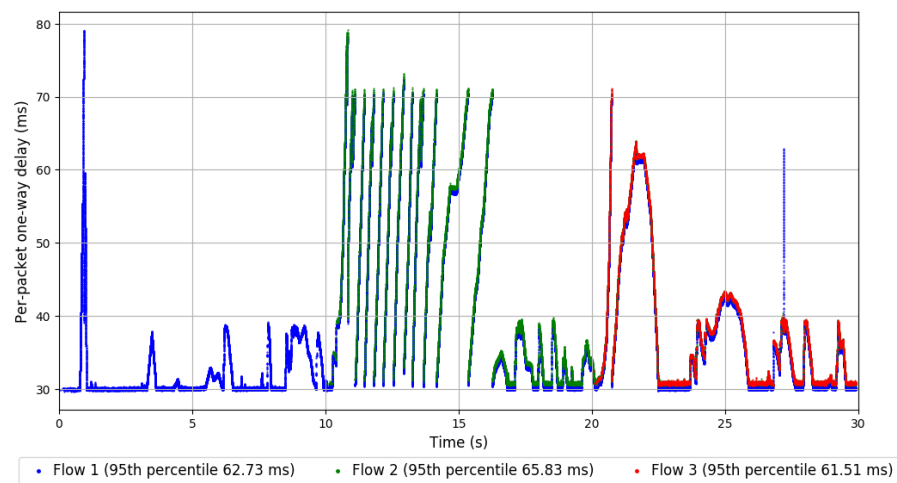
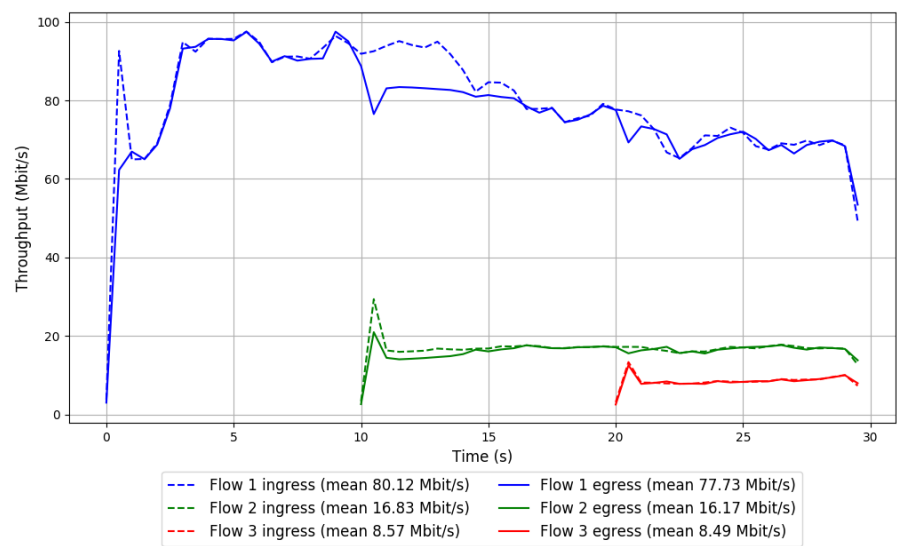


Run 9: Statistics of PCC

Start at: 2018-03-13 22:05:48
End at: 2018-03-13 22:06:18
Local clock offset: 0.784 ms
Remote clock offset: -2.914 ms

Below is generated by plot.py at 2018-03-13 23:08:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 63.014 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 77.73 Mbit/s
95th percentile per-packet one-way delay: 62.729 ms
Loss rate: 2.98%
-- Flow 2:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 65.828 ms
Loss rate: 3.89%
-- Flow 3:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 61.512 ms
Loss rate: 0.98%

Run 9: Report of PCC — Data Link

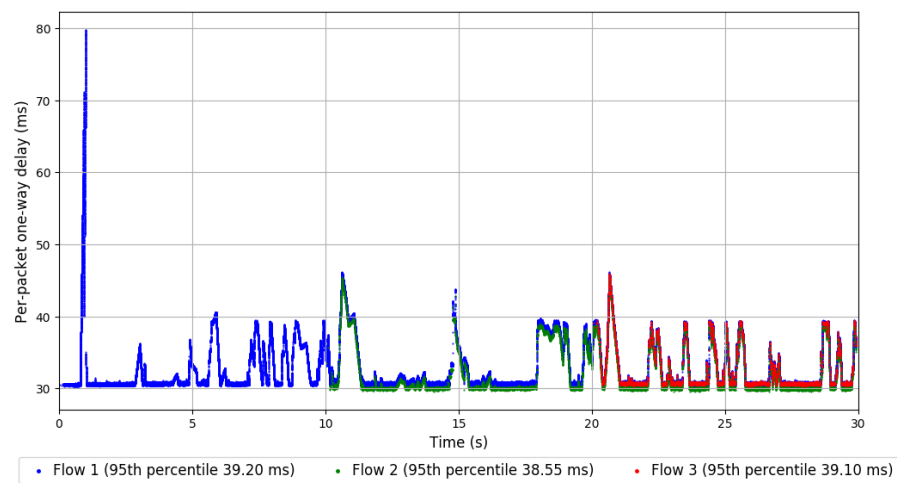
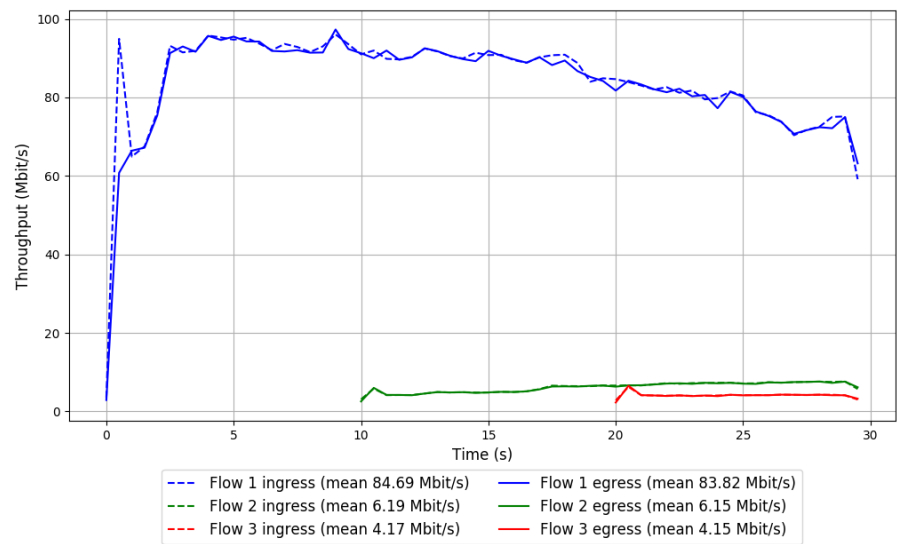


Run 10: Statistics of PCC

Start at: 2018-03-13 22:31:47
End at: 2018-03-13 22:32:17
Local clock offset: 0.902 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2018-03-13 23:08:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.28 Mbit/s
95th percentile per-packet one-way delay: 39.188 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 39.205 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 38.547 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 39.104 ms
Loss rate: 0.42%

Run 10: Report of PCC — Data Link

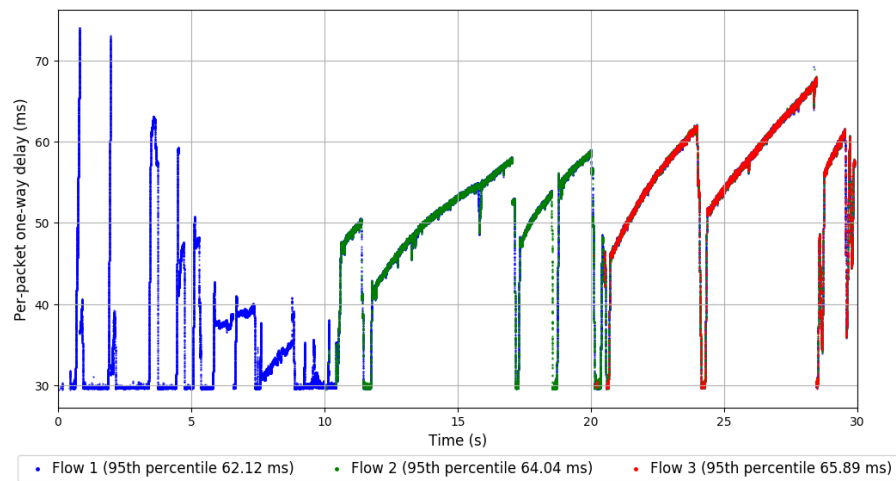
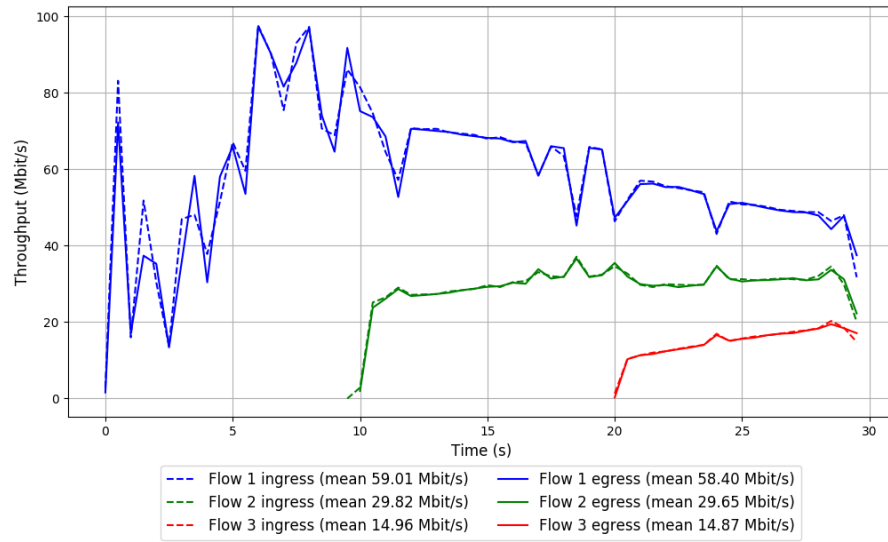


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 18:40:09
End at: 2018-03-13 18:40:40
Local clock offset: 1.653 ms
Remote clock offset: -0.517 ms

Below is generated by plot.py at 2018-03-13 23:08:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 63.072 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 58.40 Mbit/s
95th percentile per-packet one-way delay: 62.121 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 64.038 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 65.889 ms
Loss rate: 0.46%

Run 1: Report of QUIC Cubic — Data Link

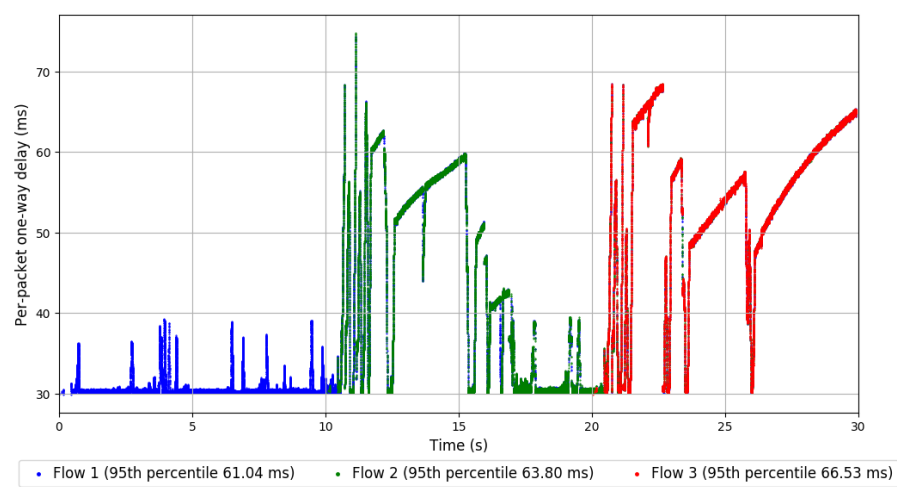
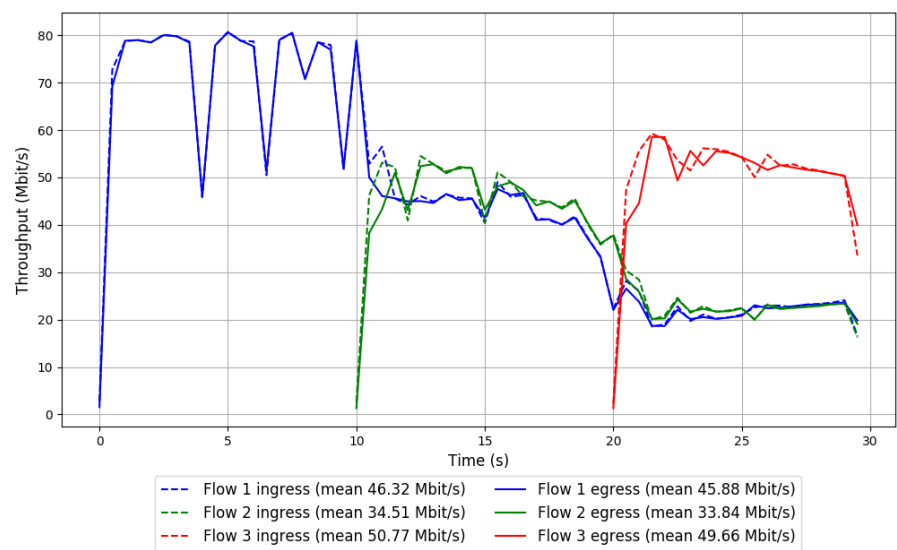


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-13 19:05:03
End at: 2018-03-13 19:05:33
Local clock offset: 0.94 ms
Remote clock offset: -1.682 ms

Below is generated by plot.py at 2018-03-13 23:09:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 64.105 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 45.88 Mbit/s
95th percentile per-packet one-way delay: 61.041 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 63.798 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 49.66 Mbit/s
95th percentile per-packet one-way delay: 66.533 ms
Loss rate: 1.85%

Run 2: Report of QUIC Cubic — Data Link

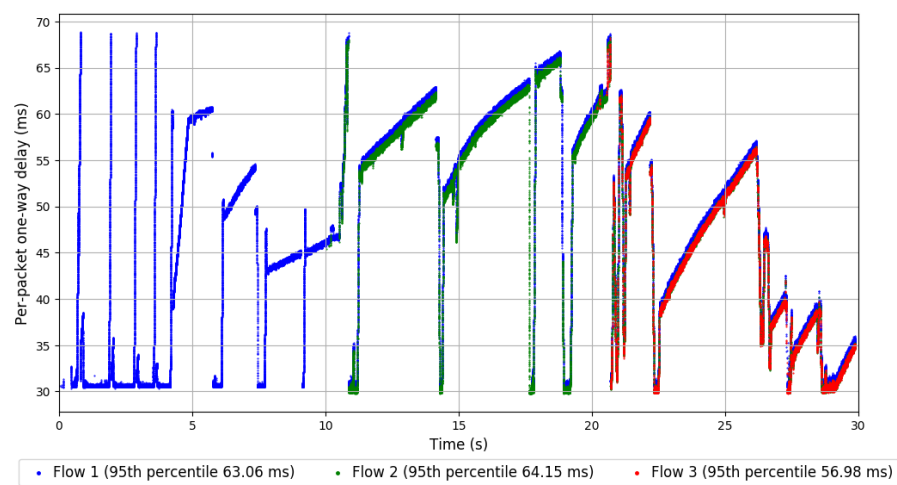
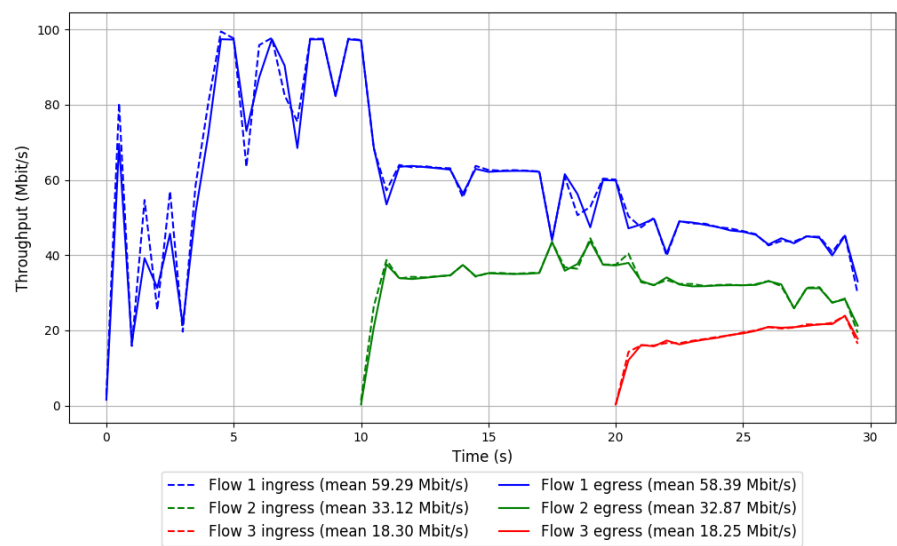


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-13 19:29:41
End at: 2018-03-13 19:30:11
Local clock offset: 0.899 ms
Remote clock offset: -1.306 ms

Below is generated by plot.py at 2018-03-13 23:09:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 63.063 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 63.064 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 64.152 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 56.979 ms
Loss rate: 0.51%

Run 3: Report of QUIC Cubic — Data Link

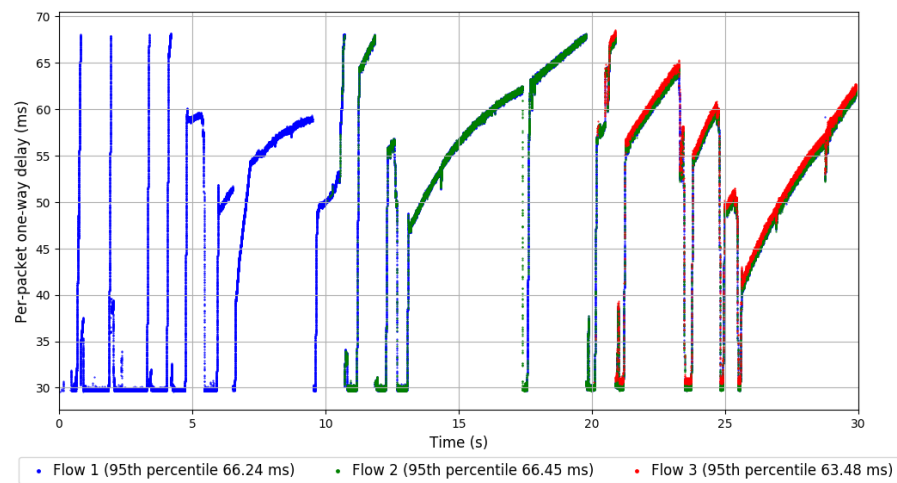
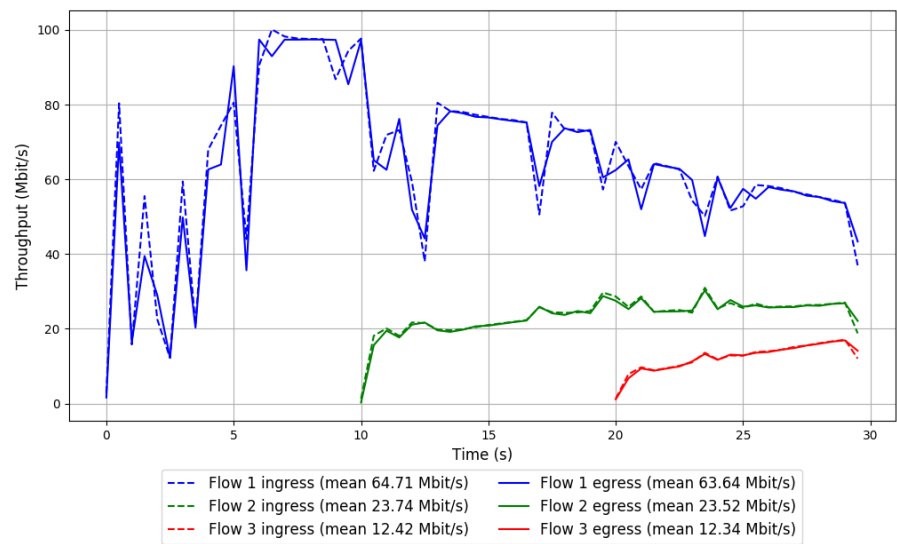


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-13 19:54:25
End at: 2018-03-13 19:54:55
Local clock offset: 0.786 ms
Remote clock offset: -1.682 ms

Below is generated by plot.py at 2018-03-13 23:09:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 66.229 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 63.64 Mbit/s
95th percentile per-packet one-way delay: 66.243 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 66.446 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 63.478 ms
Loss rate: 0.38%

Run 4: Report of QUIC Cubic — Data Link

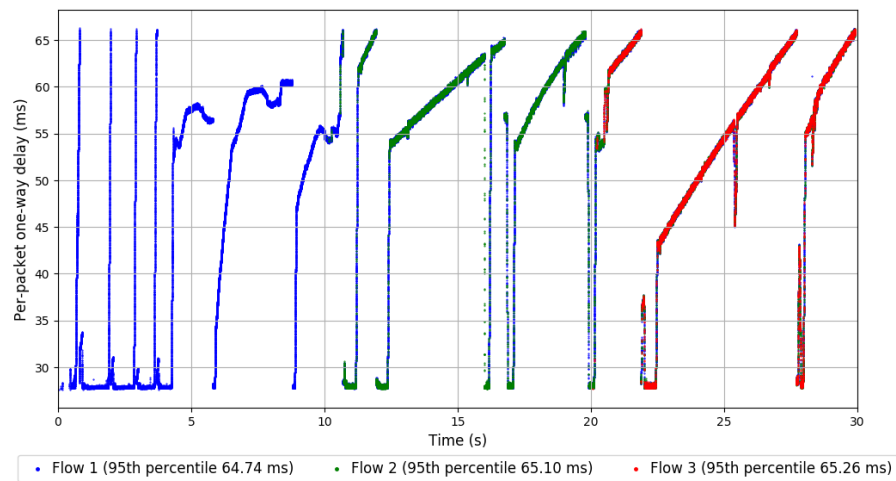
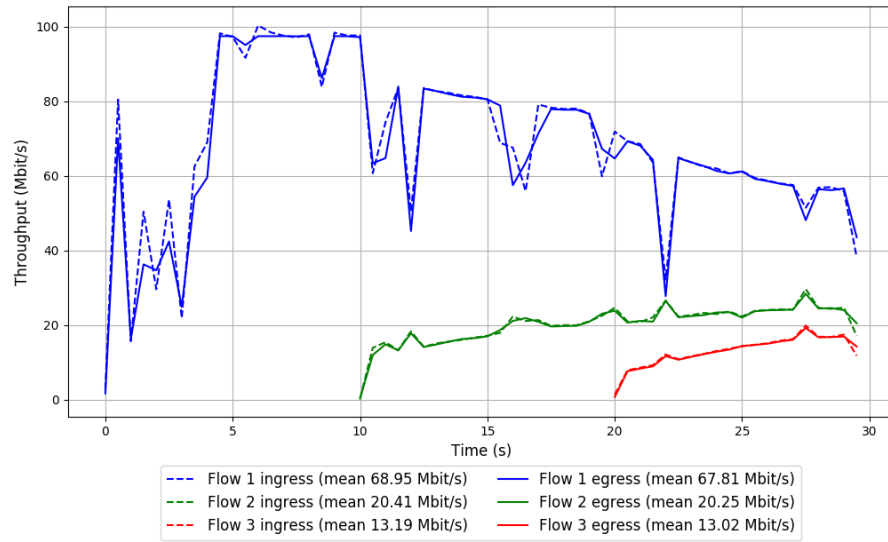


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-13 20:19:00
End at: 2018-03-13 20:19:30
Local clock offset: 0.719 ms
Remote clock offset: -4.454 ms

Below is generated by plot.py at 2018-03-13 23:09:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 64.849 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 67.81 Mbit/s
95th percentile per-packet one-way delay: 64.739 ms
Loss rate: 1.57%
-- Flow 2:
Average throughput: 20.25 Mbit/s
95th percentile per-packet one-way delay: 65.101 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 65.263 ms
Loss rate: 0.87%

Run 5: Report of QUIC Cubic — Data Link

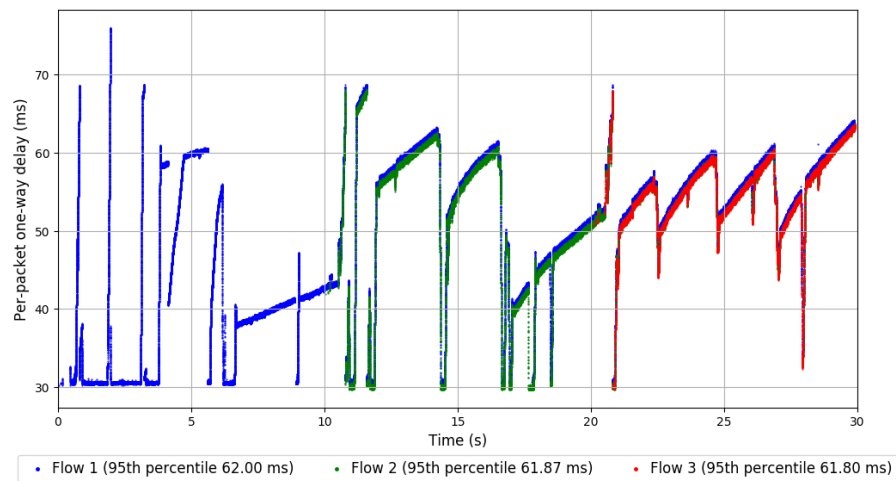
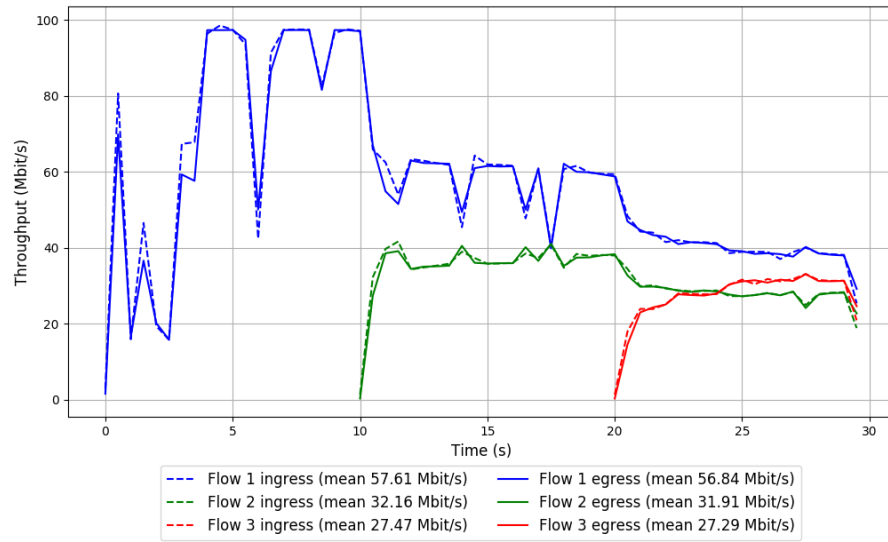


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-13 20:43:56
End at: 2018-03-13 20:44:26
Local clock offset: 1.112 ms
Remote clock offset: -2.122 ms

Below is generated by plot.py at 2018-03-13 23:09:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.99 Mbit/s
95th percentile per-packet one-way delay: 61.923 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 61.996 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 61.871 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 27.29 Mbit/s
95th percentile per-packet one-way delay: 61.801 ms
Loss rate: 0.53%

Run 6: Report of QUIC Cubic — Data Link

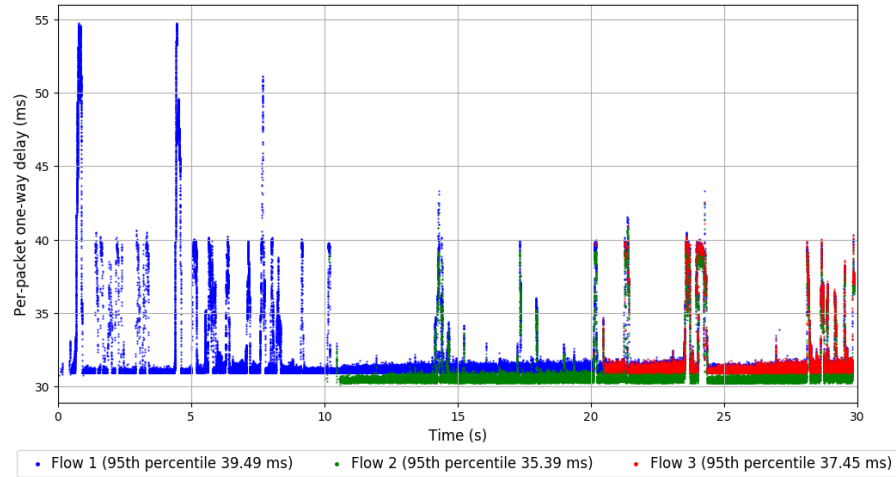
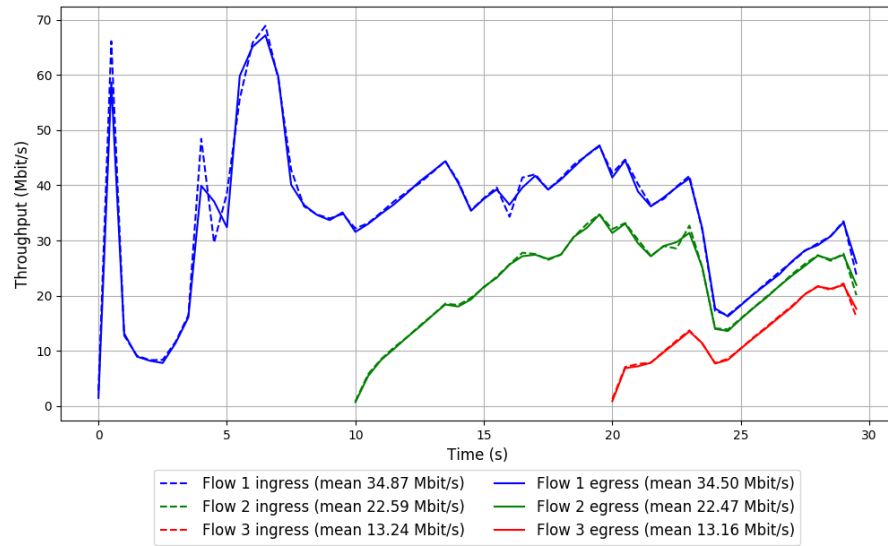


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-13 21:09:00
End at: 2018-03-13 21:09:30
Local clock offset: 0.813 ms
Remote clock offset: -1.377 ms

Below is generated by plot.py at 2018-03-13 23:09:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 38.617 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 34.50 Mbit/s
95th percentile per-packet one-way delay: 39.492 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 35.392 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 37.446 ms
Loss rate: 0.49%

Run 7: Report of QUIC Cubic — Data Link

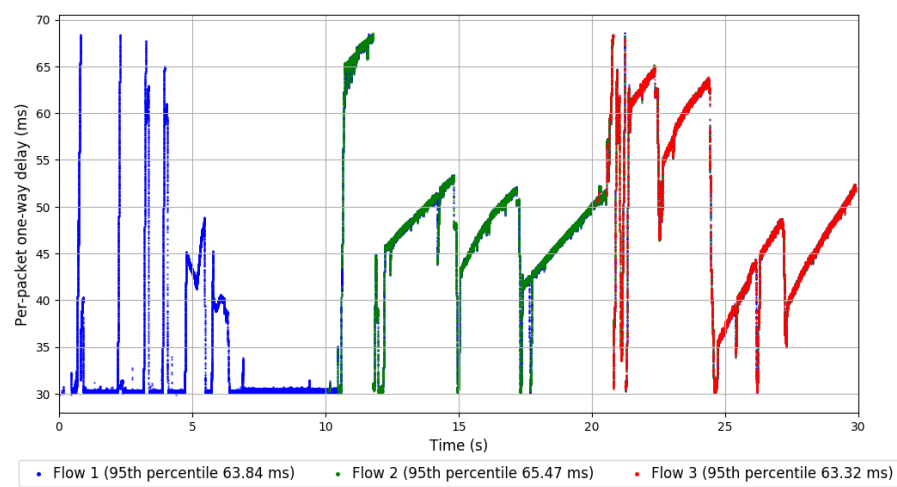
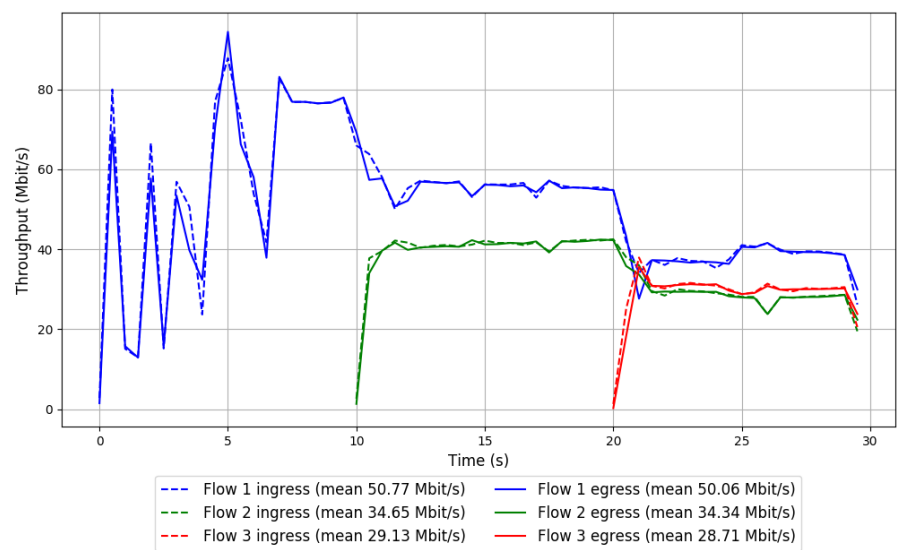


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-13 21:33:57
End at: 2018-03-13 21:34:27
Local clock offset: 0.81 ms
Remote clock offset: -1.647 ms

Below is generated by plot.py at 2018-03-13 23:10:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 64.119 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: 63.843 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 65.472 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 28.71 Mbit/s
95th percentile per-packet one-way delay: 63.322 ms
Loss rate: 1.42%

Run 8: Report of QUIC Cubic — Data Link

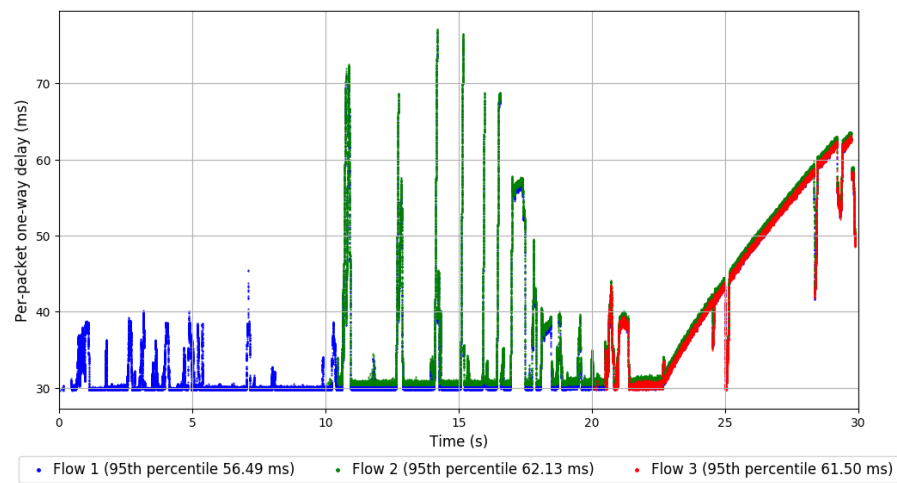
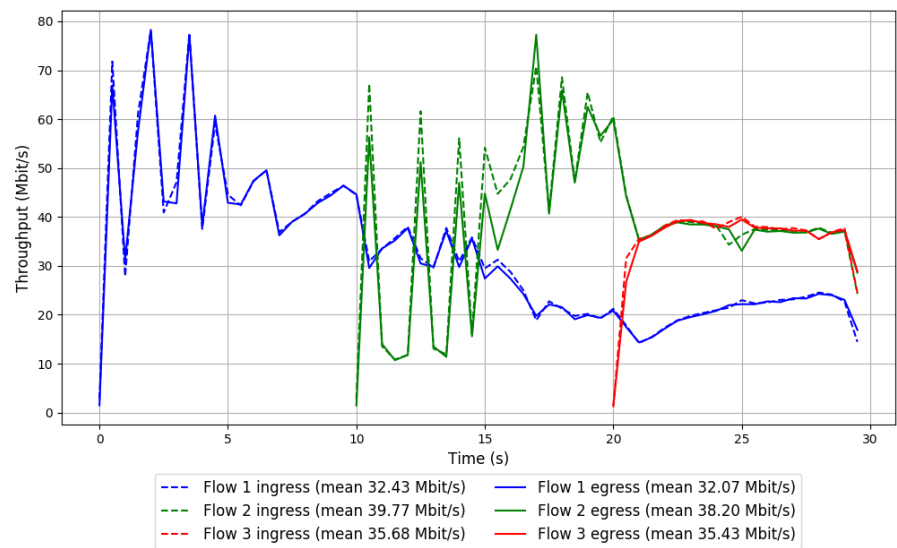


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-13 22:00:12
End at: 2018-03-13 22:00:42
Local clock offset: 0.858 ms
Remote clock offset: -2.815 ms

Below is generated by plot.py at 2018-03-13 23:10:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.13 Mbit/s
95th percentile per-packet one-way delay: 60.615 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 56.490 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 62.134 ms
Loss rate: 3.85%
-- Flow 3:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 61.498 ms
Loss rate: 0.52%

Run 9: Report of QUIC Cubic — Data Link

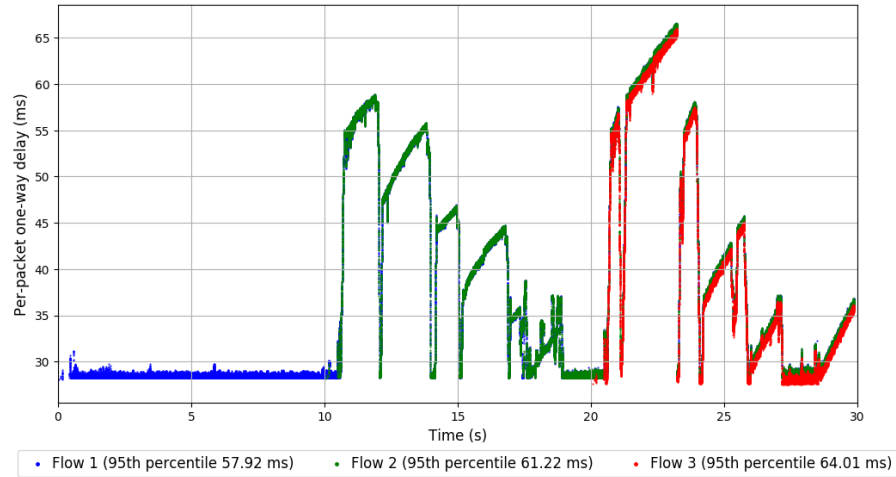
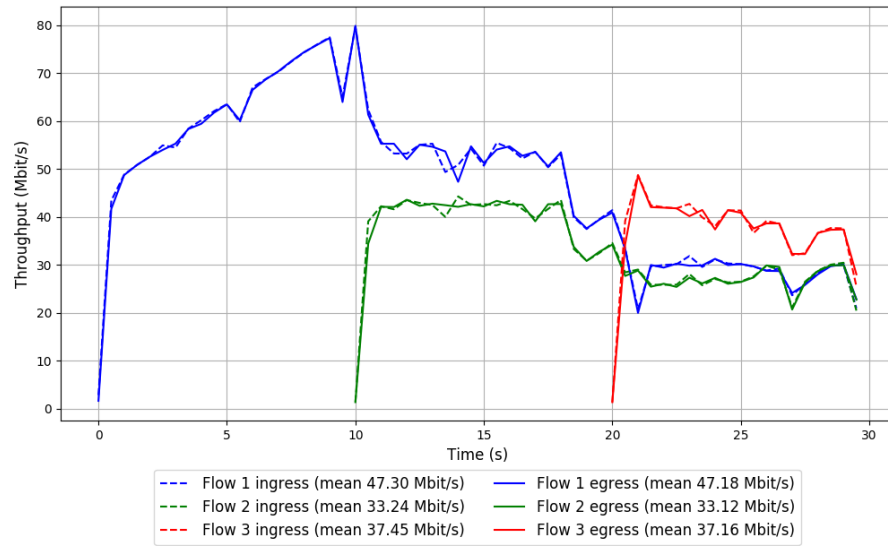


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-13 22:26:16
End at: 2018-03-13 22:26:46
Local clock offset: 0.894 ms
Remote clock offset: -3.586 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 60.870 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 57.921 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 61.218 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 37.16 Mbit/s
95th percentile per-packet one-way delay: 64.007 ms
Loss rate: 0.69%

Run 10: Report of QUIC Cubic — Data Link

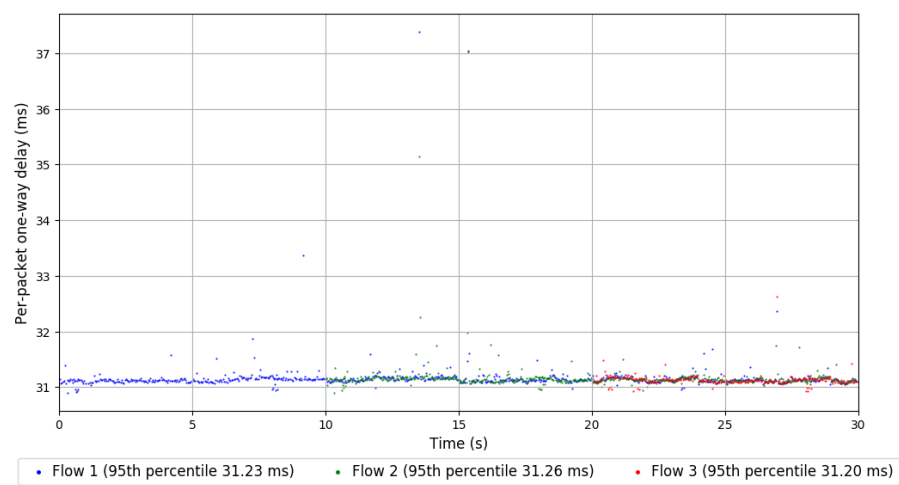
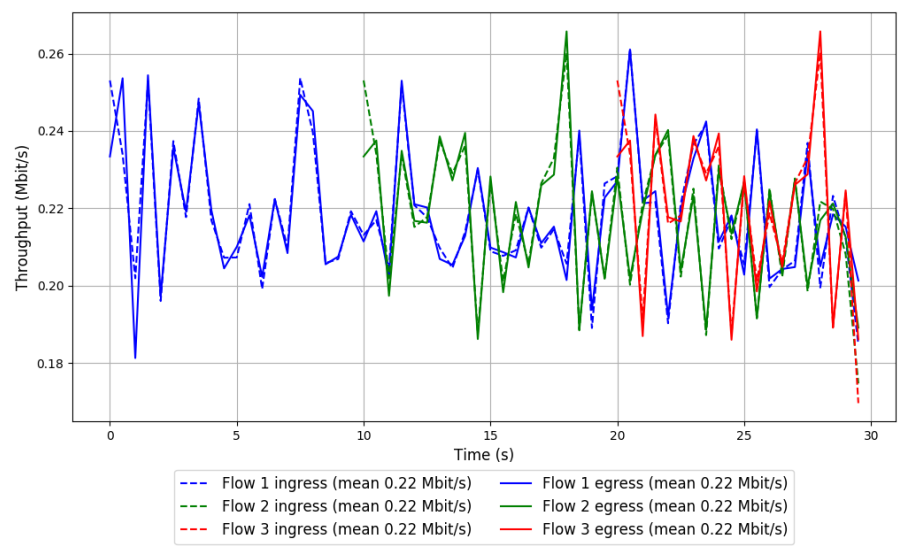


```
Run 1: Statistics of SReAM

Start at: 2018-03-13 18:36:04
End at: 2018-03-13 18:36:34
Local clock offset: 1.73 ms
Remote clock offset: 0.043 ms

# Below is generated by plot.py at 2018-03-13 23:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.200 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

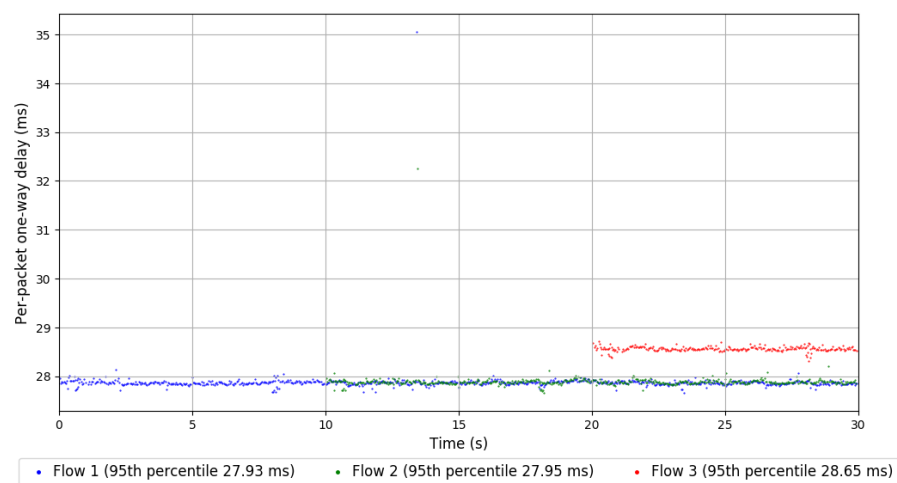
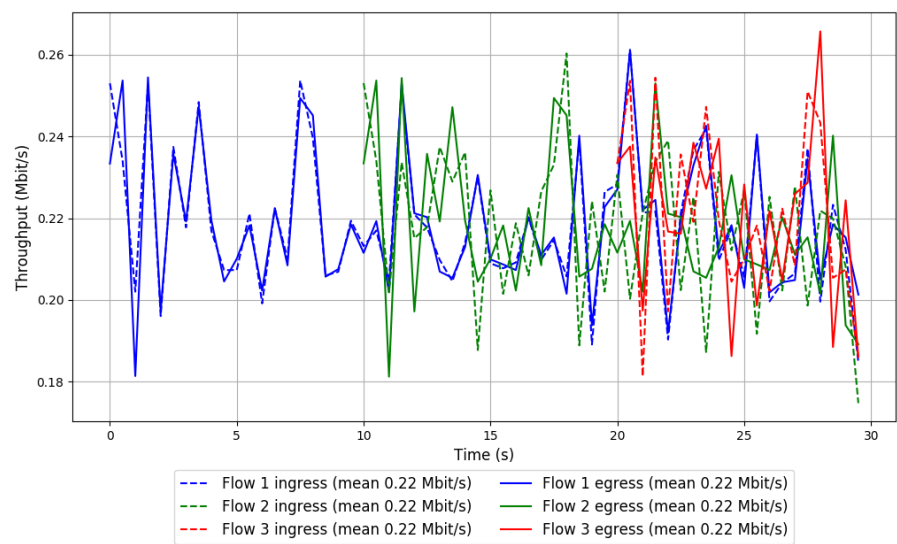


Run 2: Statistics of SReAM

Start at: 2018-03-13 19:00:42
End at: 2018-03-13 19:01:12
Local clock offset: 0.933 ms
Remote clock offset: -4.004 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.955 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.649 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

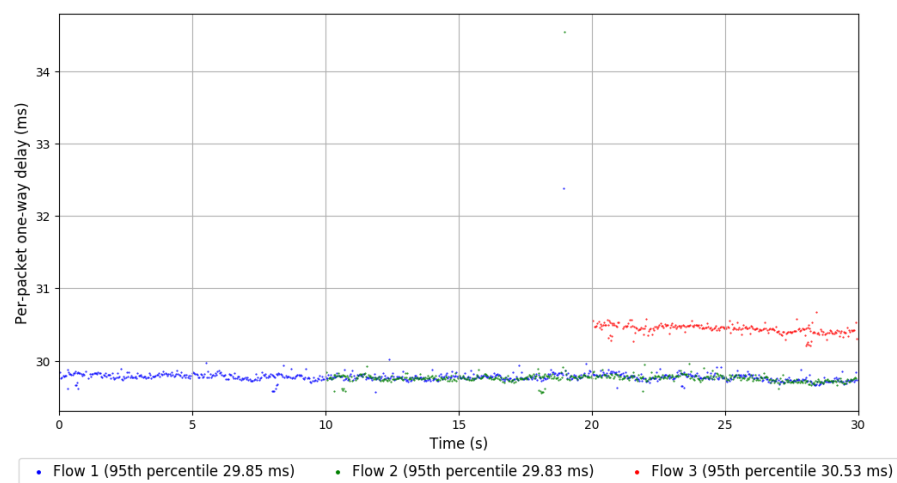
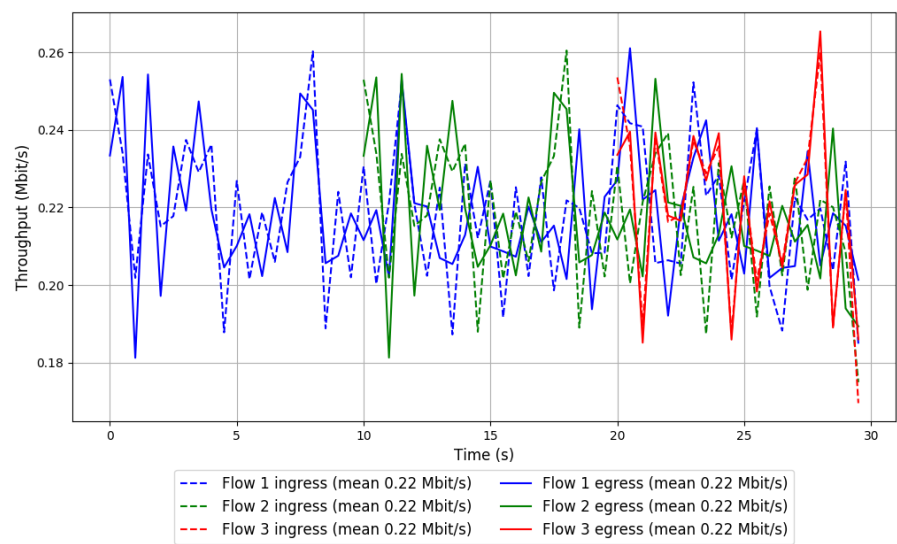


Run 3: Statistics of SReAM

Start at: 2018-03-13 19:25:36
End at: 2018-03-13 19:26:06
Local clock offset: 0.999 ms
Remote clock offset: -1.532 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.828 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.532 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

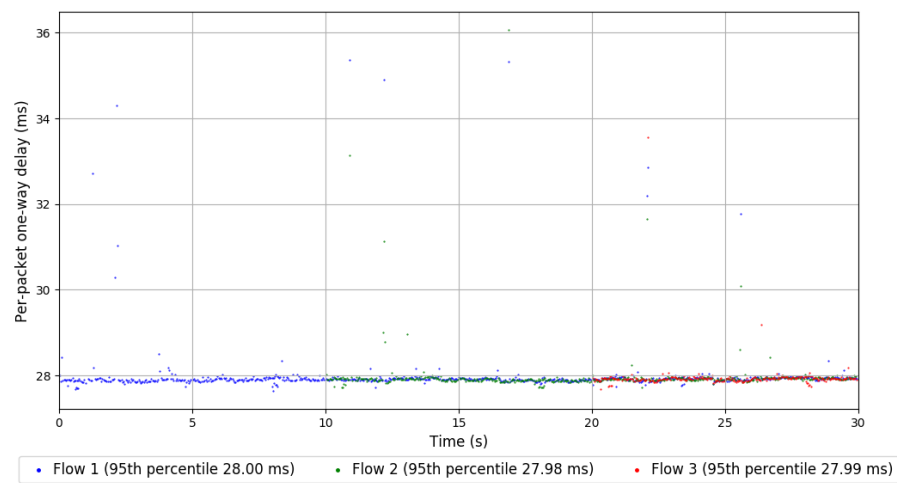
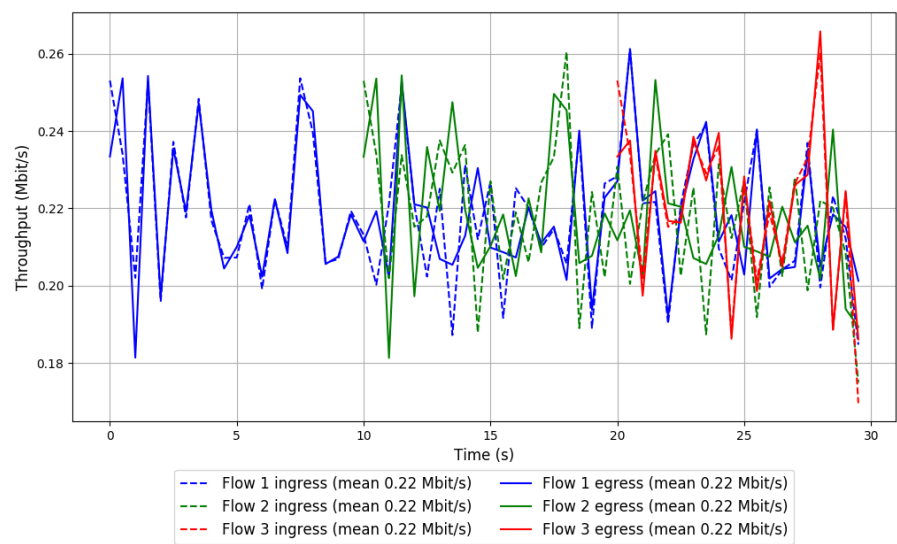


Run 4: Statistics of SReAM

Start at: 2018-03-13 19:50:18
End at: 2018-03-13 19:50:48
Local clock offset: 0.877 ms
Remote clock offset: -3.242 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 27.989 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.981 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.987 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-03-13 20:14:55

End at: 2018-03-13 20:15:25

Local clock offset: 0.721 ms

Remote clock offset: -1.83 ms

Below is generated by plot.py at 2018-03-13 23:10:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 31.181 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.536 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.539 ms

Loss rate: 0.00%

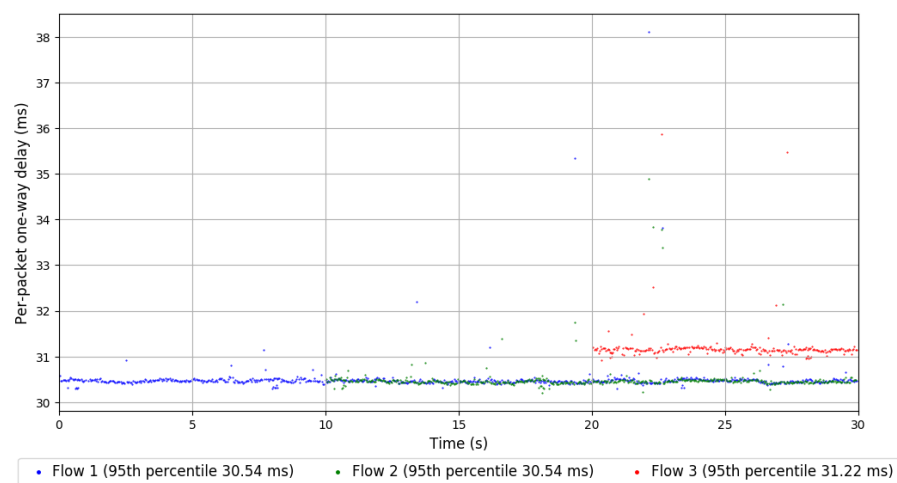
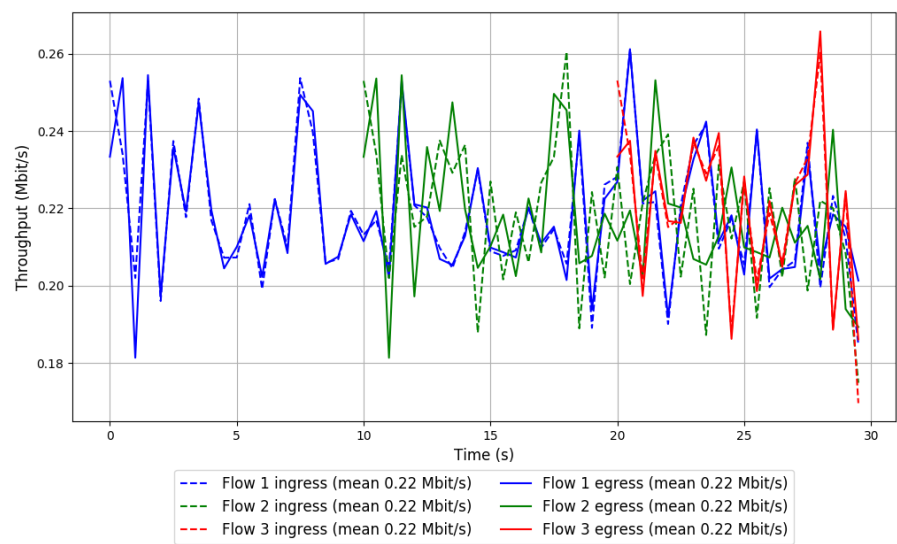
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.224 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

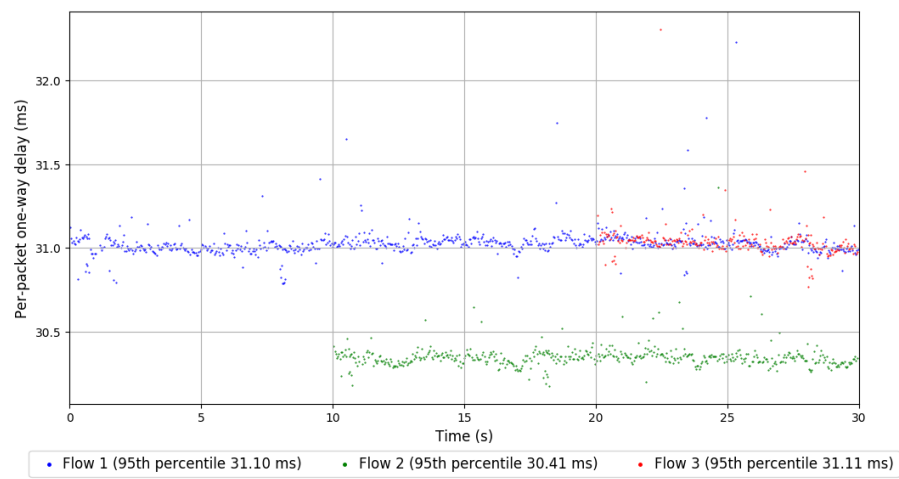
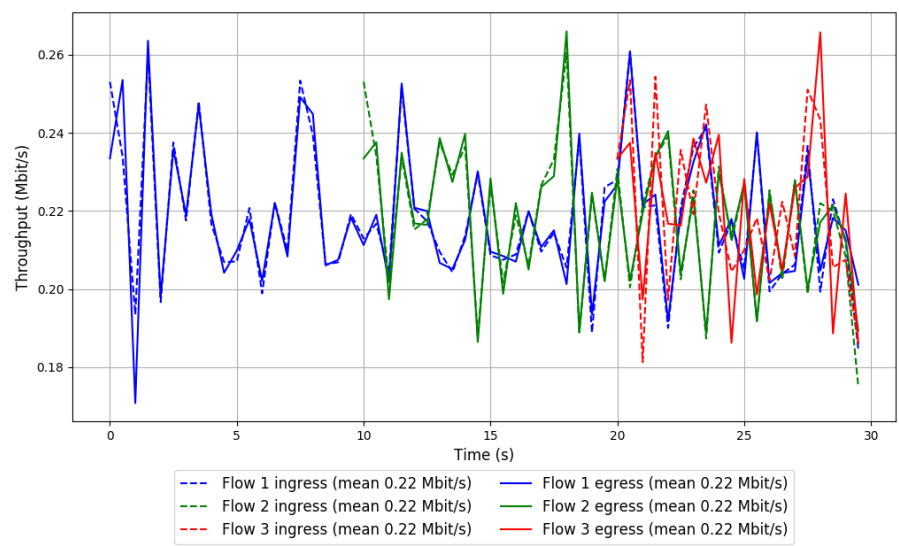


Run 6: Statistics of SReAM

Start at: 2018-03-13 20:39:36
End at: 2018-03-13 20:40:06
Local clock offset: 1.075 ms
Remote clock offset: -1.701 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.110 ms
Loss rate: 0.00%

Run 6: Report of SCRaM — Data Link

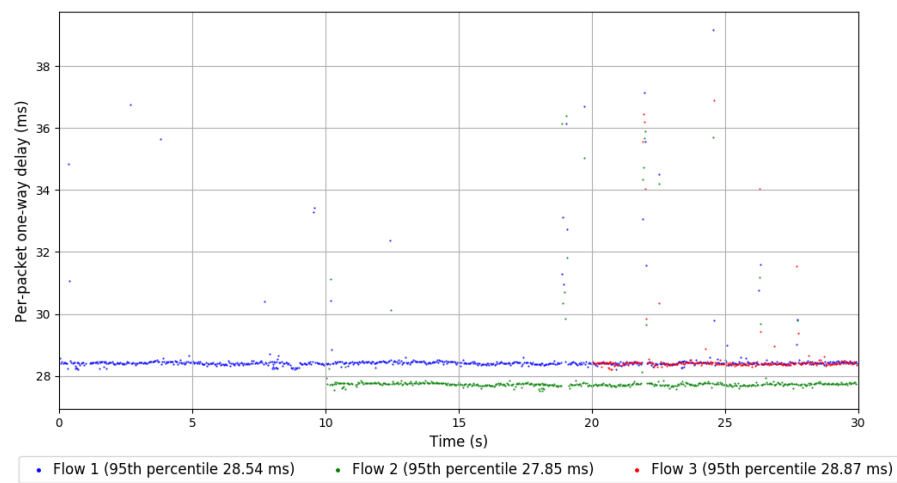
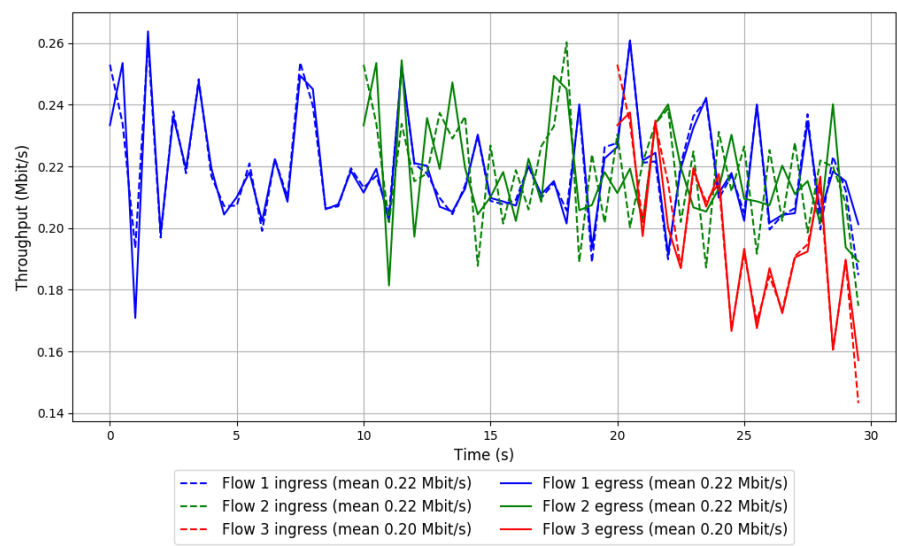


Run 7: Statistics of SReAM

Start at: 2018-03-13 21:04:35
End at: 2018-03-13 21:05:05
Local clock offset: 0.883 ms
Remote clock offset: -4.116 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 28.522 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.851 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 28.873 ms
Loss rate: 0.41%

Run 7: Report of SReAM — Data Link

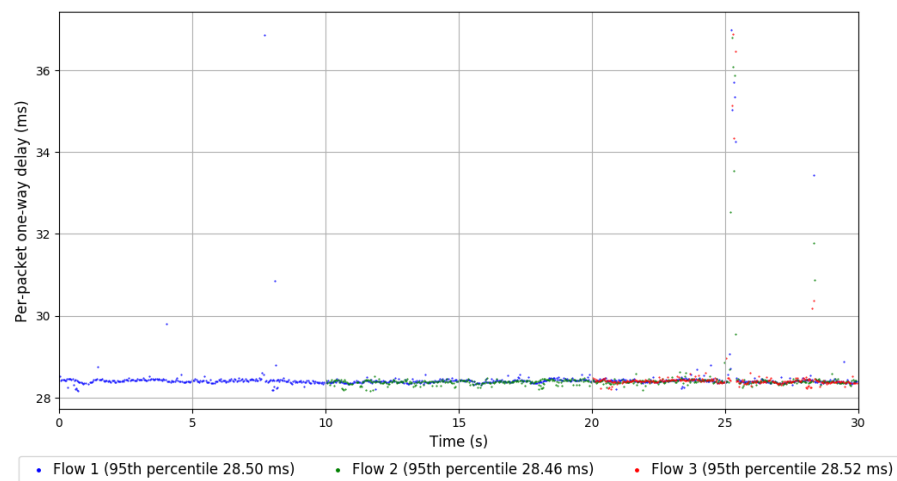
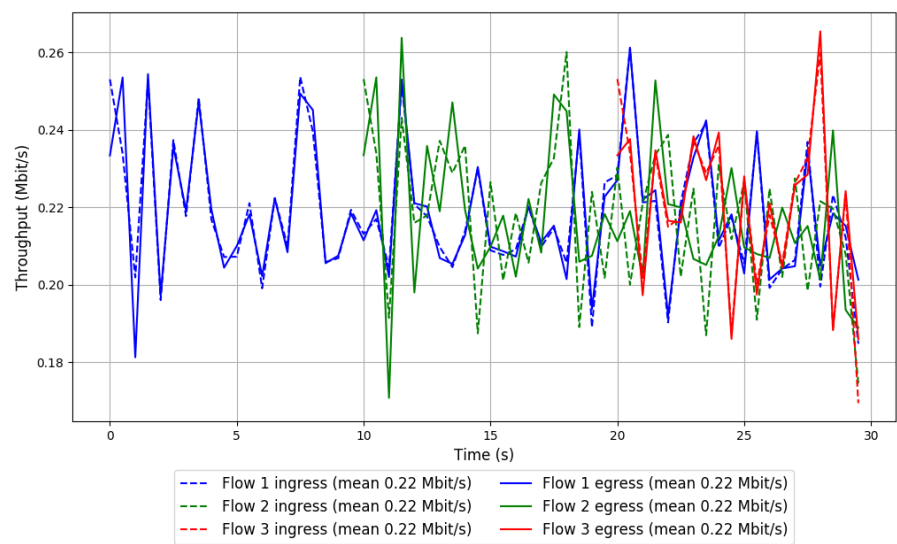


Run 8: Statistics of SReAM

Start at: 2018-03-13 21:29:44
End at: 2018-03-13 21:30:14
Local clock offset: 0.745 ms
Remote clock offset: -4.027 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.497 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.464 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.524 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

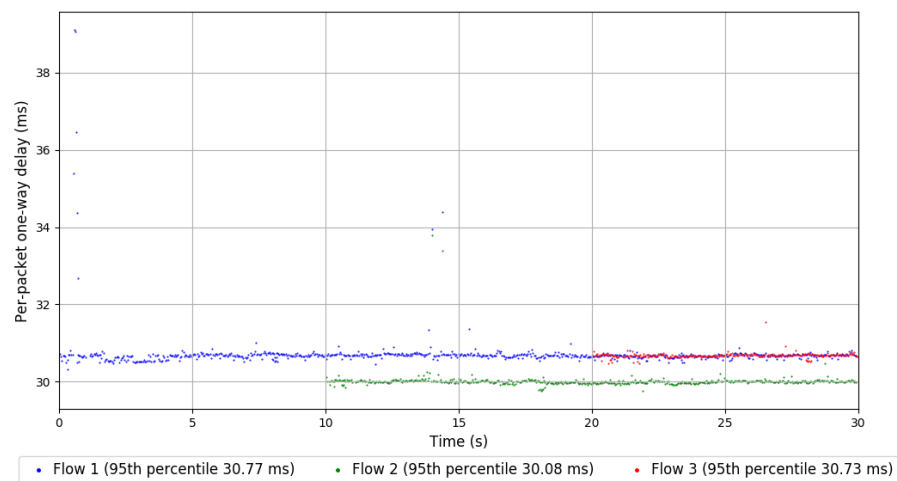
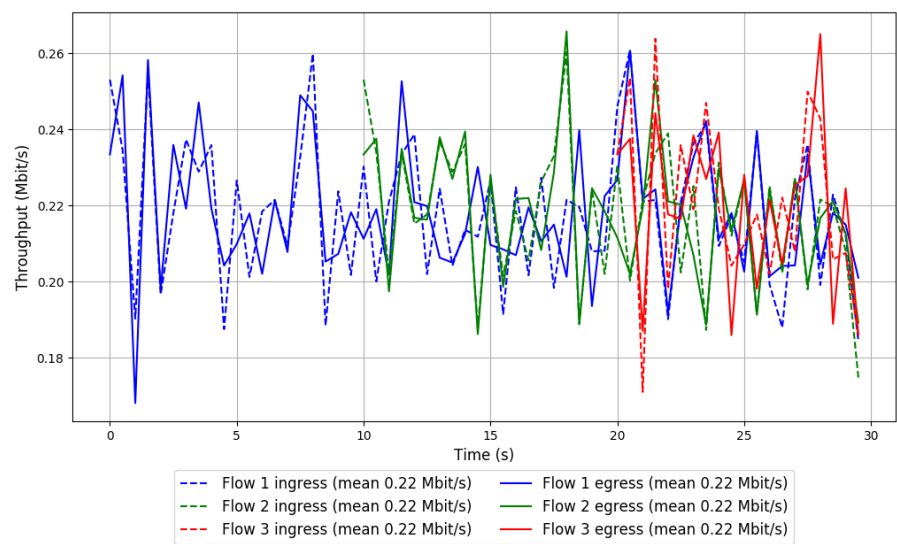


Run 9: Statistics of SReAM

Start at: 2018-03-13 21:55:30
End at: 2018-03-13 21:56:00
Local clock offset: 0.791 ms
Remote clock offset: -2.759 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.767 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.080 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.735 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

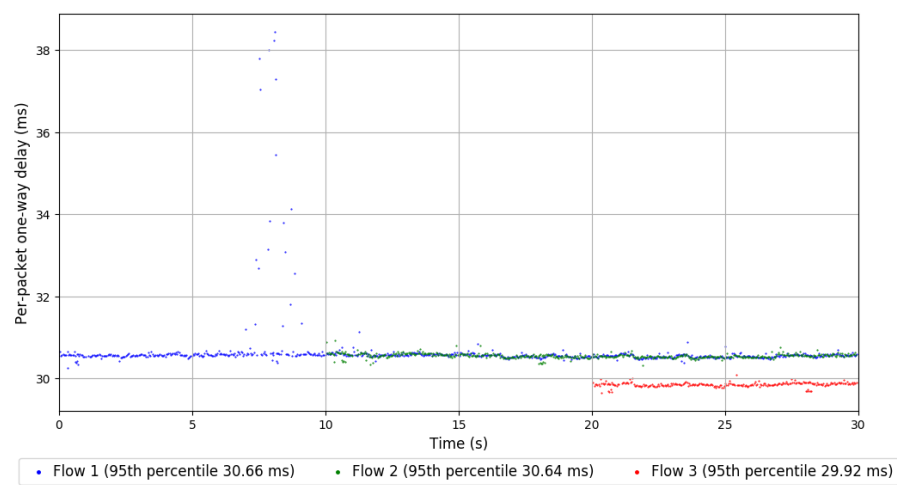
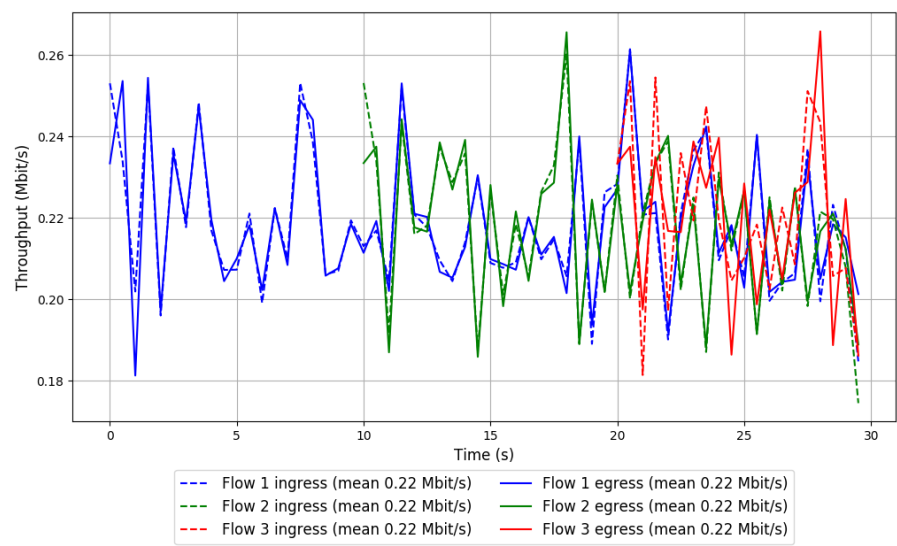


Run 10: Statistics of SReAM

Start at: 2018-03-13 22:21:53
End at: 2018-03-13 22:22:23
Local clock offset: 0.891 ms
Remote clock offset: -1.596 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.643 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.662 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.638 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.917 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-03-13 18:29:13

End at: 2018-03-13 18:29:43

Local clock offset: 1.745 ms

Remote clock offset: -2.49 ms

Below is generated by plot.py at 2018-03-13 23:10:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 28.547 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 28.559 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 28.512 ms

Loss rate: 0.36%

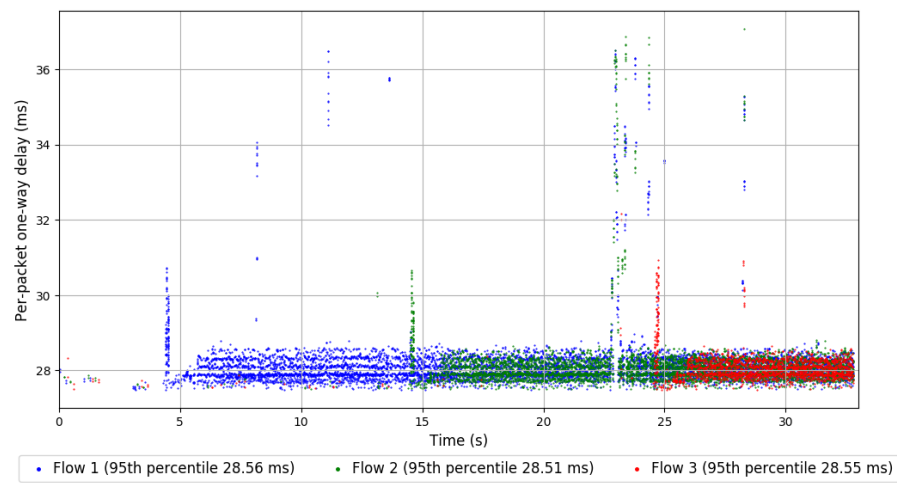
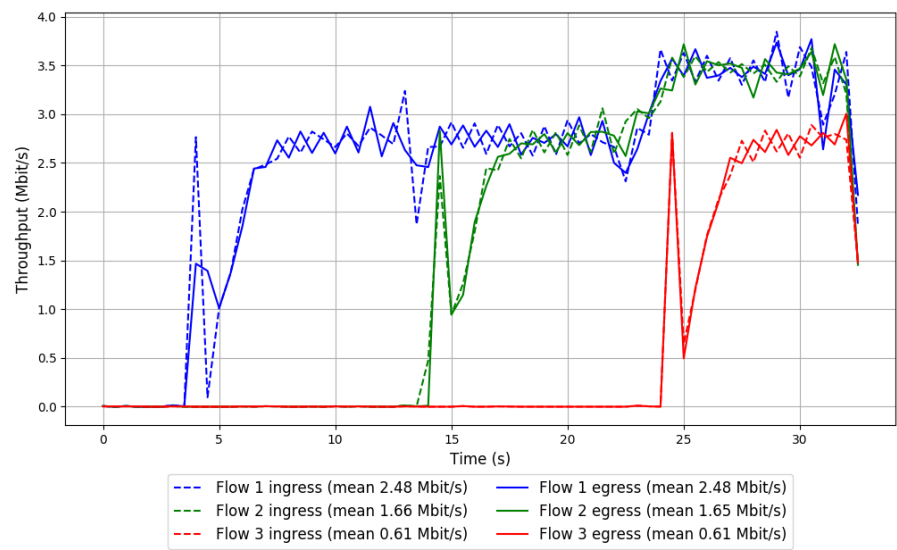
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 28.549 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

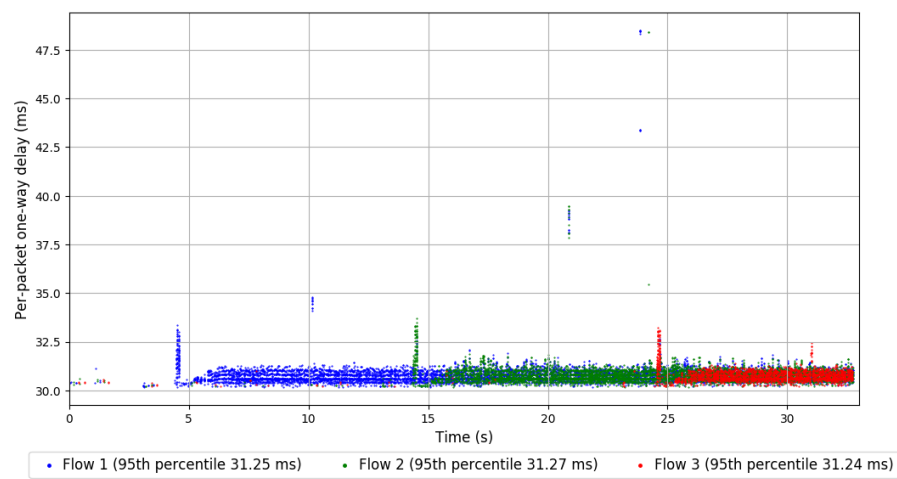
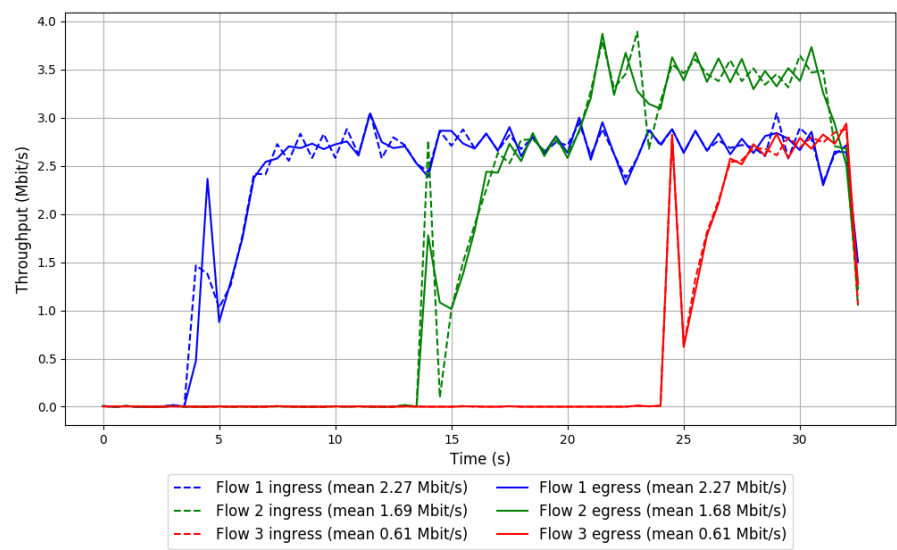


Run 2: Statistics of WebRTC media

Start at: 2018-03-13 18:53:52
End at: 2018-03-13 18:54:22
Local clock offset: 1.069 ms
Remote clock offset: -1.737 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 31.258 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 31.274 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 31.241 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

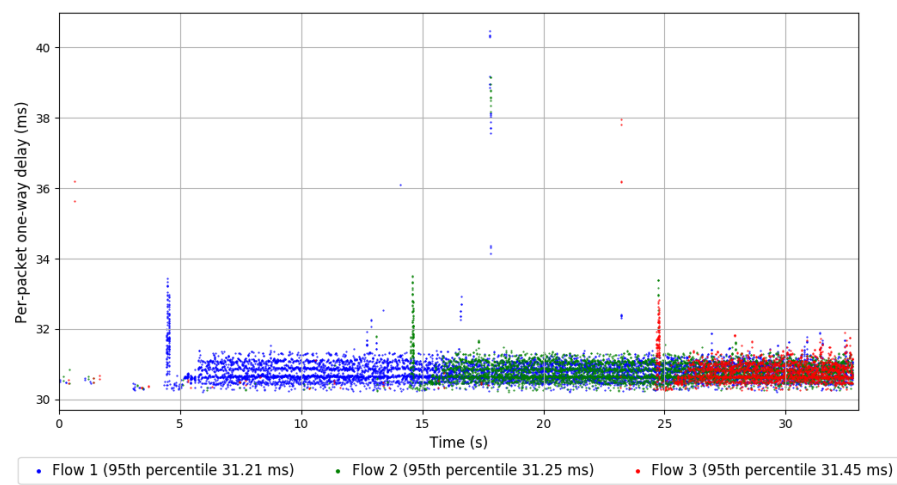
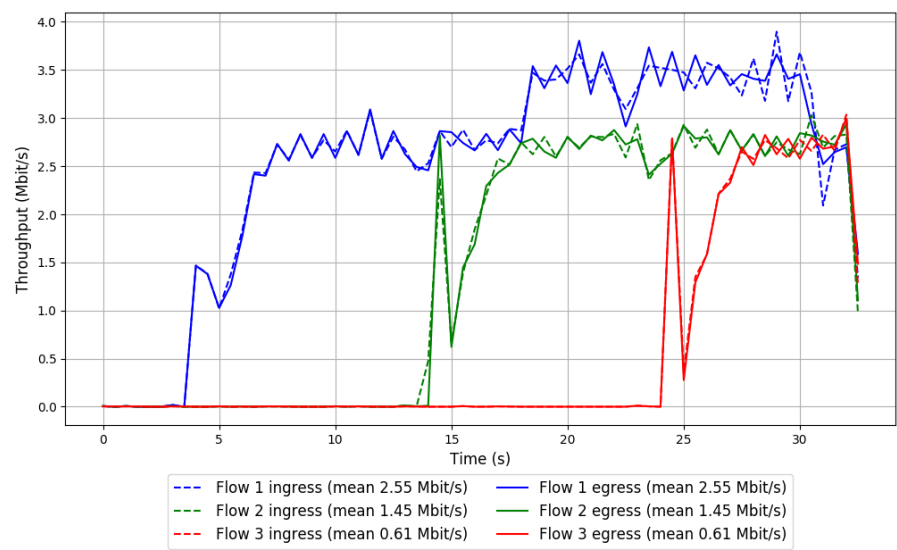


Run 3: Statistics of WebRTC media

Start at: 2018-03-13 19:18:45
End at: 2018-03-13 19:19:15
Local clock offset: 0.87 ms
Remote clock offset: -1.909 ms

```
# Below is generated by plot.py at 2018-03-13 23:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 31.248 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 31.206 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 31.245 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 31.448 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

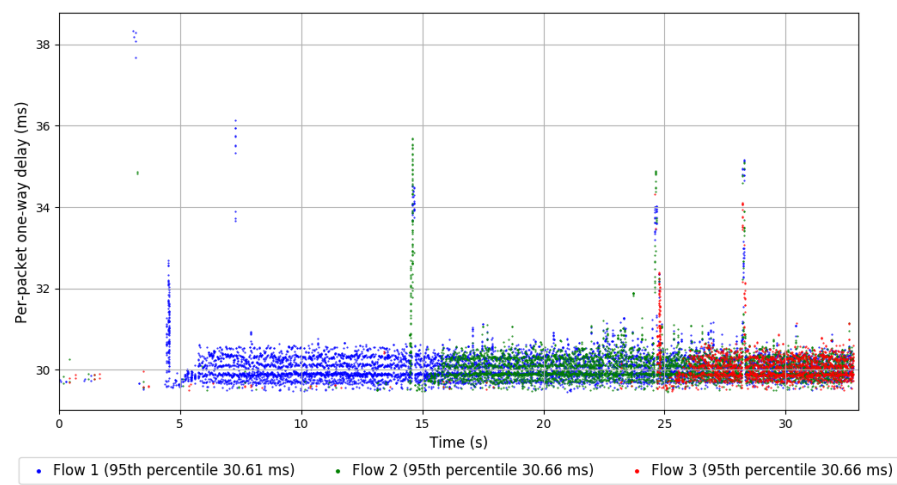
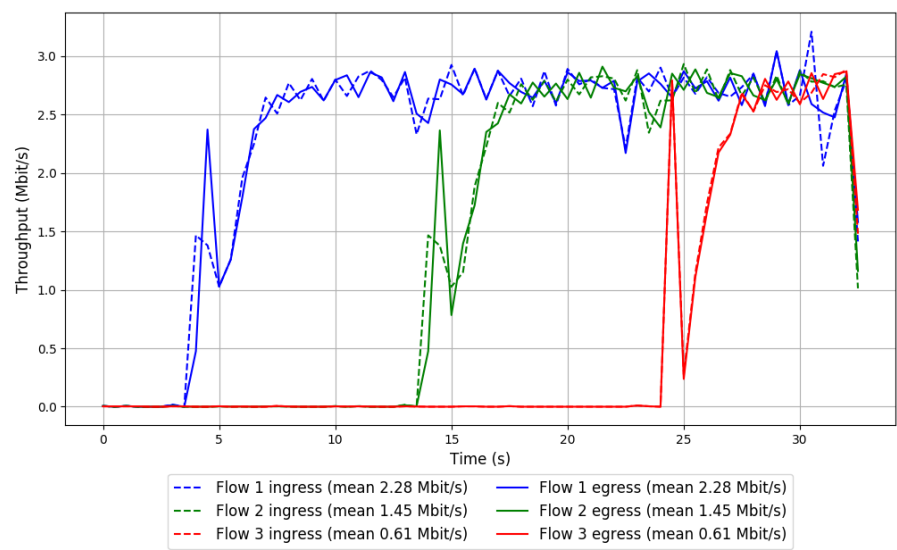


Run 4: Statistics of WebRTC media

Start at: 2018-03-13 19:43:28
End at: 2018-03-13 19:43:58
Local clock offset: 0.809 ms
Remote clock offset: -1.261 ms

```
# Below is generated by plot.py at 2018-03-13 23:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 30.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.606 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 30.662 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 30.665 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

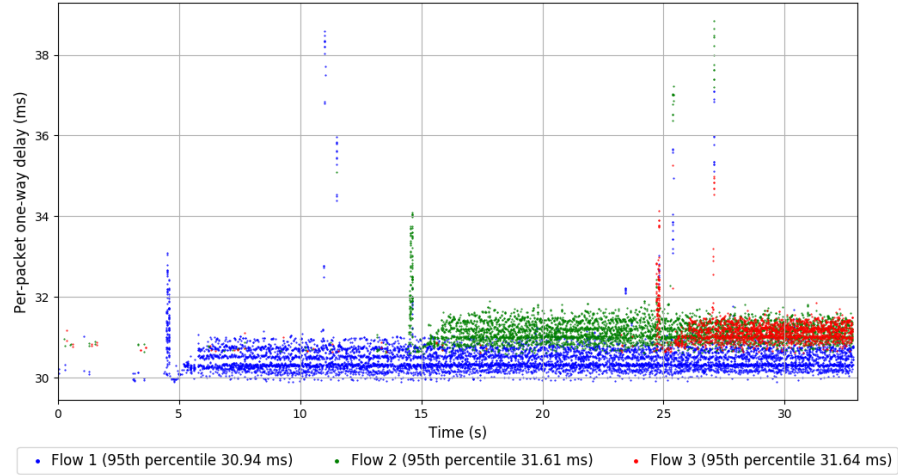
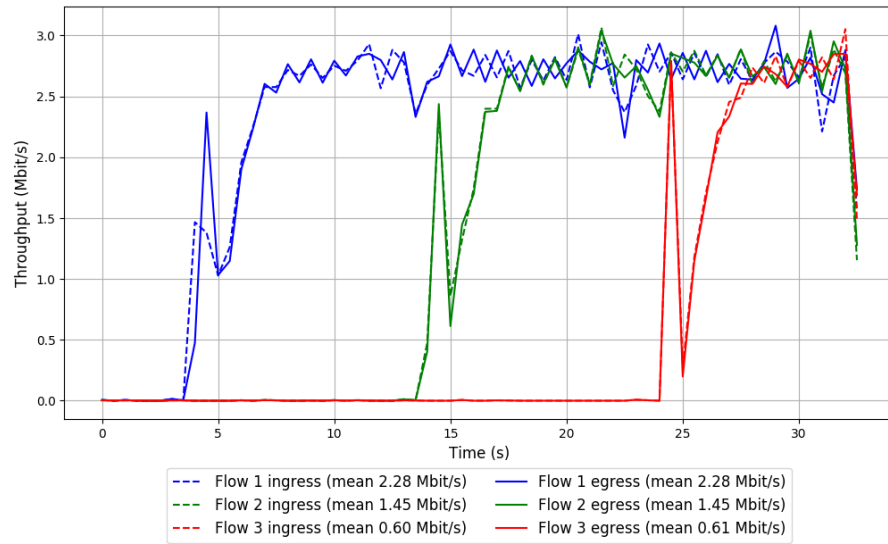


Run 5: Statistics of WebRTC media

Start at: 2018-03-13 20:08:04
End at: 2018-03-13 20:08:34
Local clock offset: 0.814 ms
Remote clock offset: -1.782 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 31.483 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.936 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 31.609 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 31.635 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

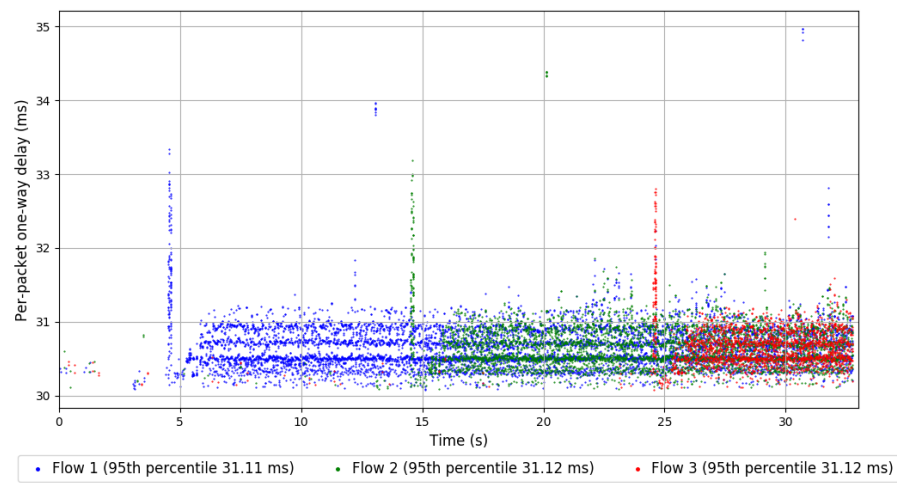
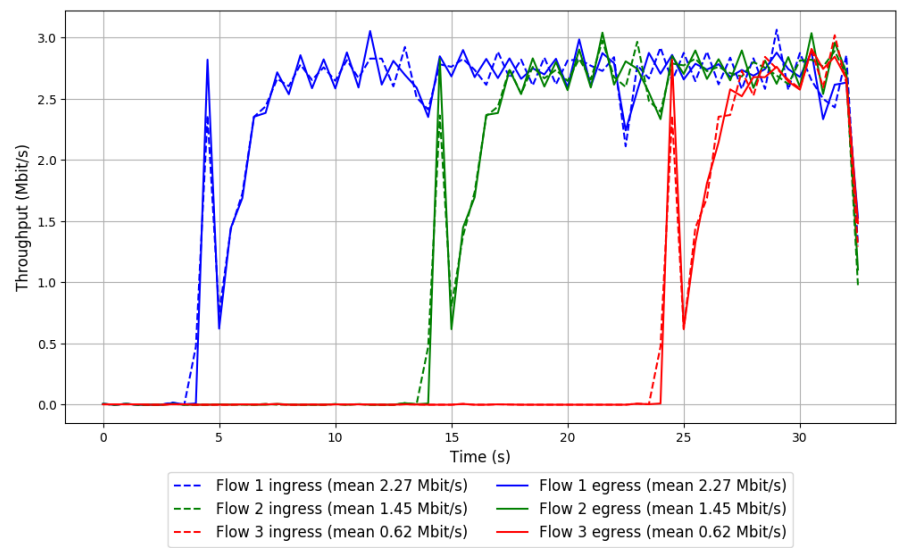


Run 6: Statistics of WebRTC media

Start at: 2018-03-13 20:32:41
End at: 2018-03-13 20:33:11
Local clock offset: 1.105 ms
Remote clock offset: -2.255 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 31.111 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.105 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 31.116 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 31.121 ms
Loss rate: 0.05%

Run 6: Report of WebRTC media — Data Link

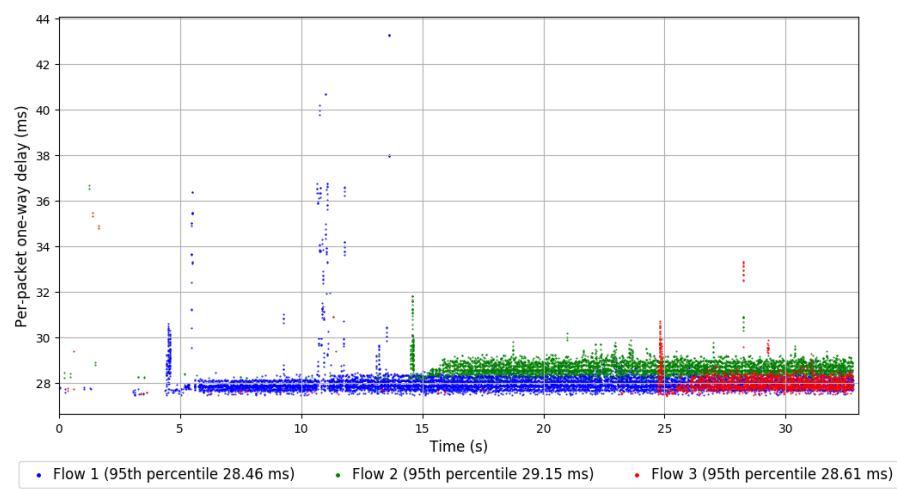
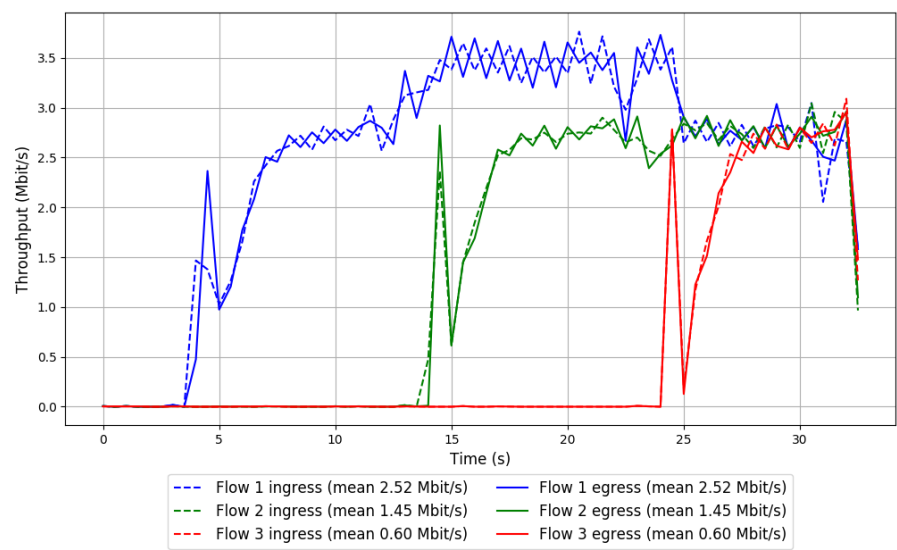


Run 7: Statistics of WebRTC media

Start at: 2018-03-13 20:57:41
End at: 2018-03-13 20:58:11
Local clock offset: 1.063 ms
Remote clock offset: -4.176 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 29.001 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 28.465 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 29.147 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 28.615 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

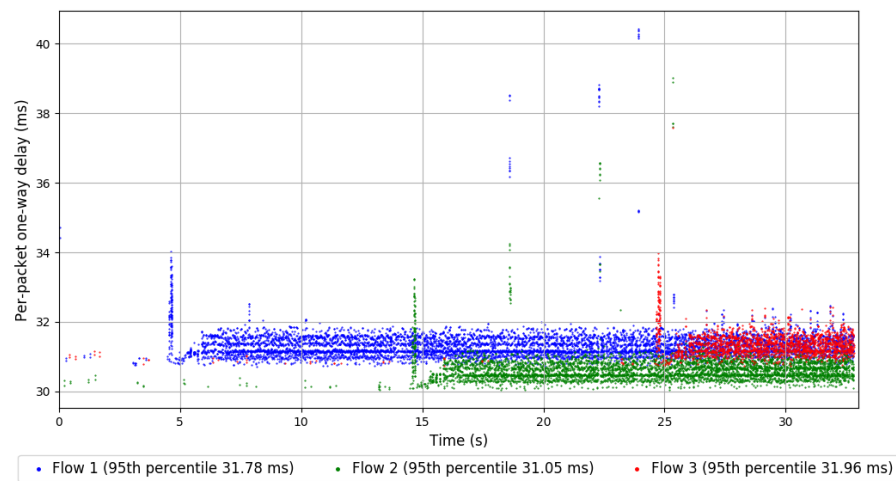
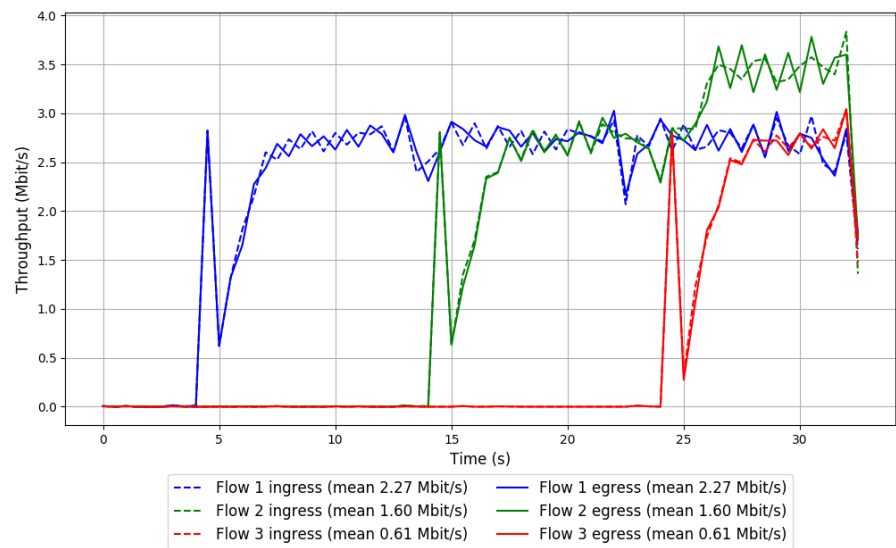


Run 8: Statistics of WebRTC media

Start at: 2018-03-13 21:22:44
End at: 2018-03-13 21:23:14
Local clock offset: 0.713 ms
Remote clock offset: -1.348 ms

```
# Below is generated by plot.py at 2018-03-13 23:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 31.742 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.780 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 31.045 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 31.957 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

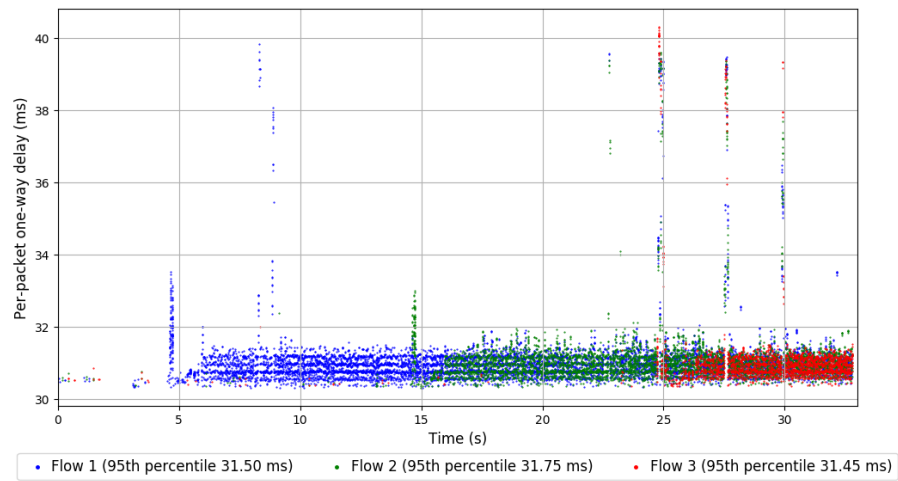
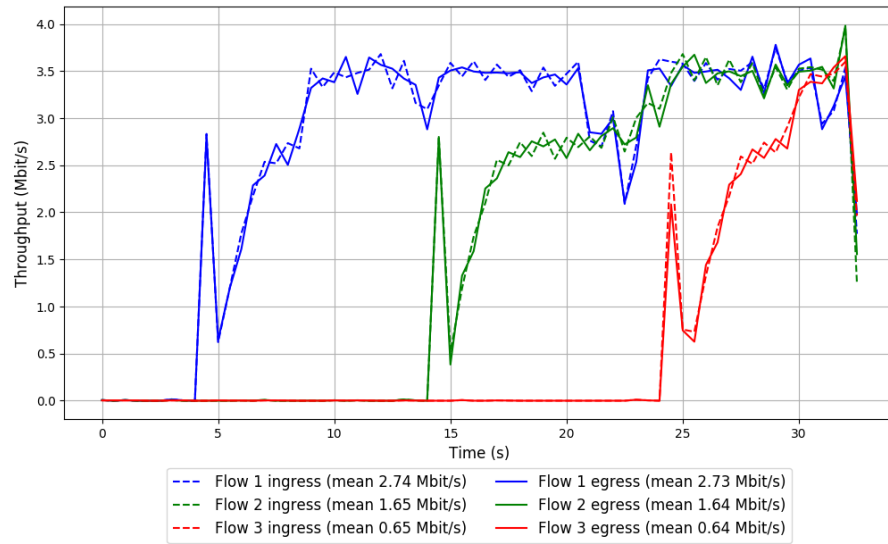


Run 9: Statistics of WebRTC media

Start at: 2018-03-13 21:48:09
End at: 2018-03-13 21:48:39
Local clock offset: 0.771 ms
Remote clock offset: -2.606 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 31.593 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 31.504 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 31.745 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 31.447 ms
Loss rate: 1.58%

Run 9: Report of WebRTC media — Data Link

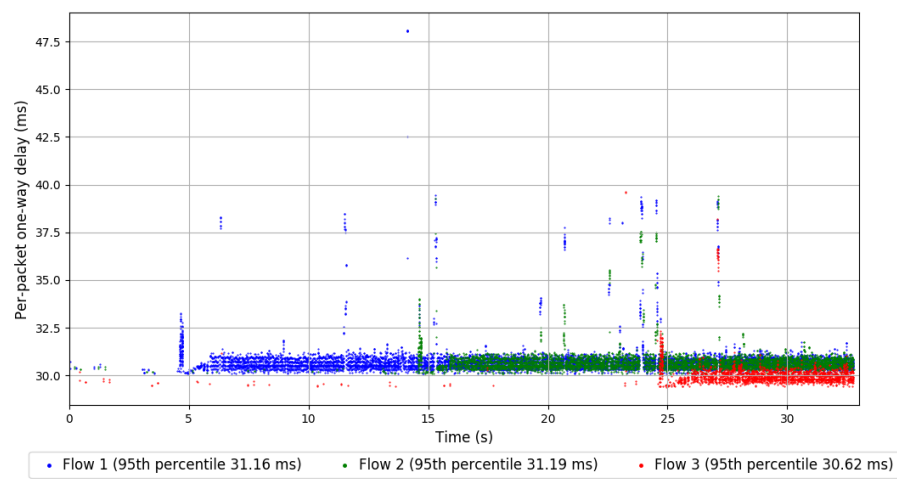
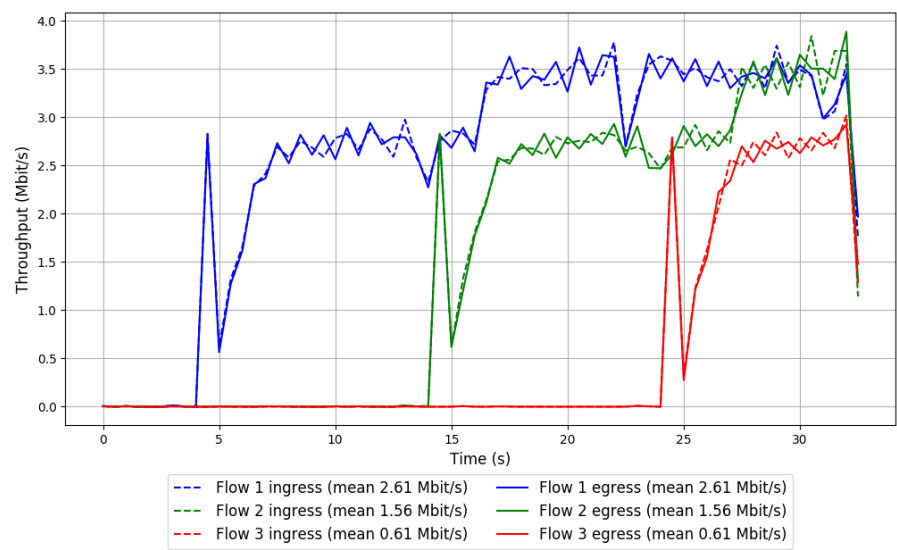


Run 10: Statistics of WebRTC media

Start at: 2018-03-13 22:14:33
End at: 2018-03-13 22:15:03
Local clock offset: 0.868 ms
Remote clock offset: -2.148 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 31.139 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 31.186 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 30.625 ms
Loss rate: 0.05%

Run 10: Report of WebRTC media — Data Link

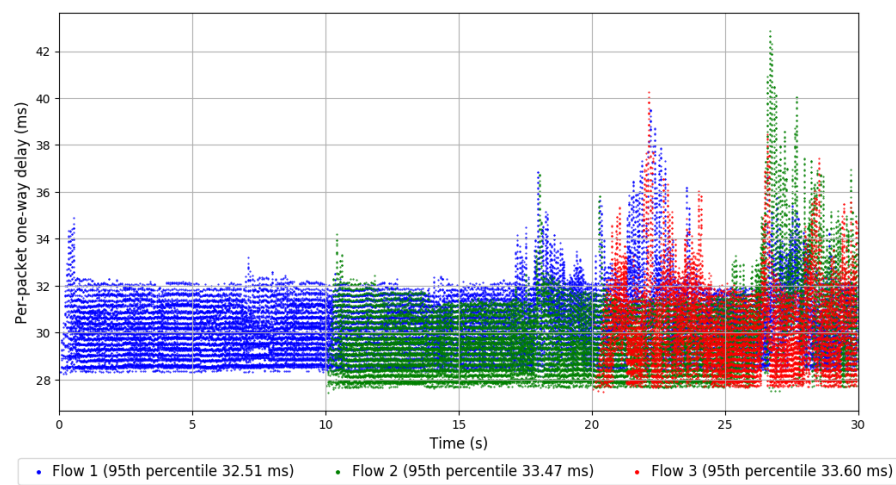
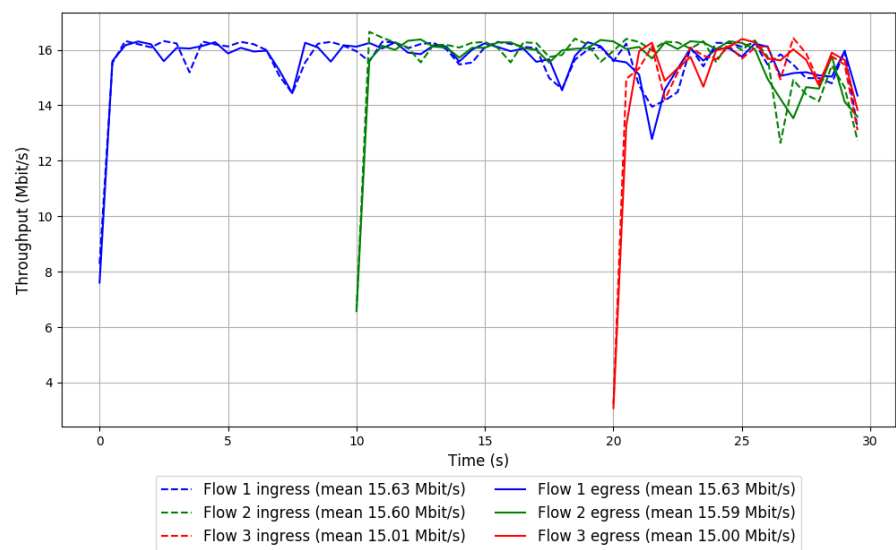


Run 1: Statistics of Sprout

Start at: 2018-03-13 18:42:52
End at: 2018-03-13 18:43:22
Local clock offset: 1.493 ms
Remote clock offset: -2.817 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 32.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 32.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.59 Mbit/s
95th percentile per-packet one-way delay: 33.467 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 33.600 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

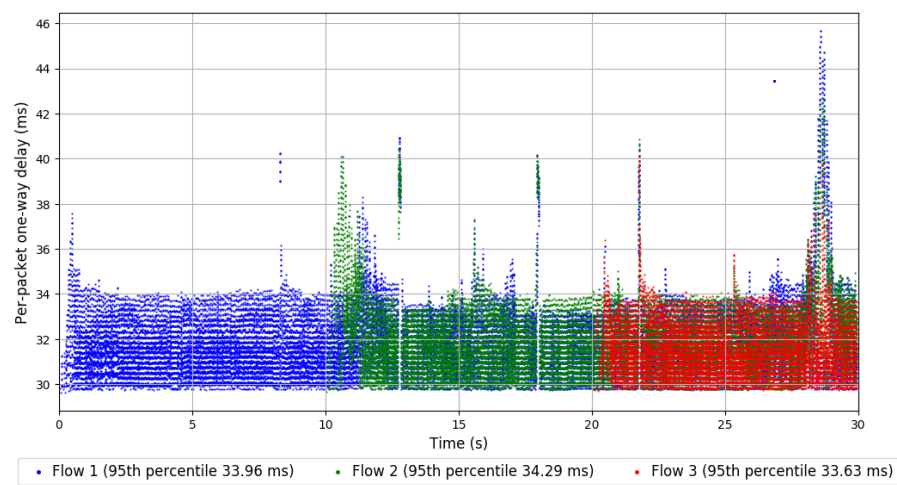
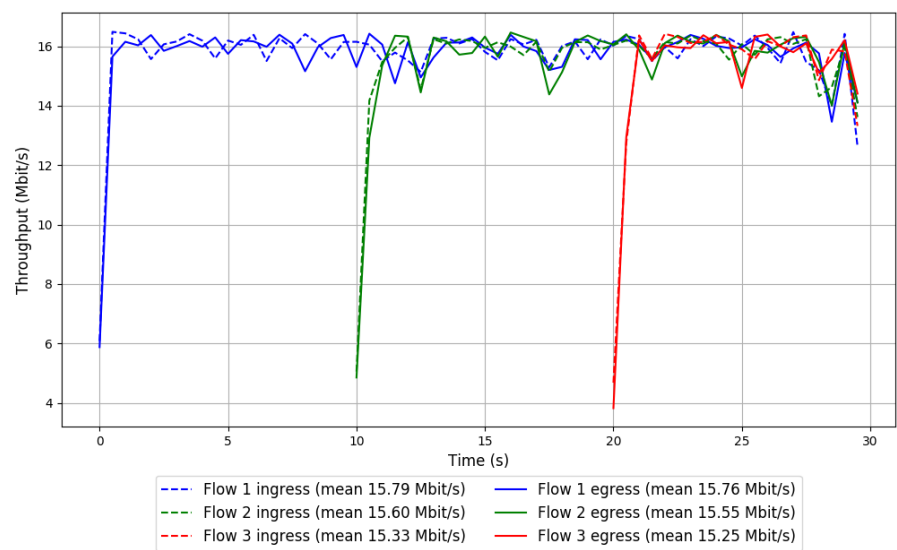


Run 2: Statistics of Sprout

Start at: 2018-03-13 19:07:46
End at: 2018-03-13 19:08:16
Local clock offset: 0.924 ms
Remote clock offset: -2.088 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 33.968 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 33.957 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 34.292 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 15.25 Mbit/s
95th percentile per-packet one-way delay: 33.631 ms
Loss rate: 0.48%

Run 2: Report of Sprout — Data Link

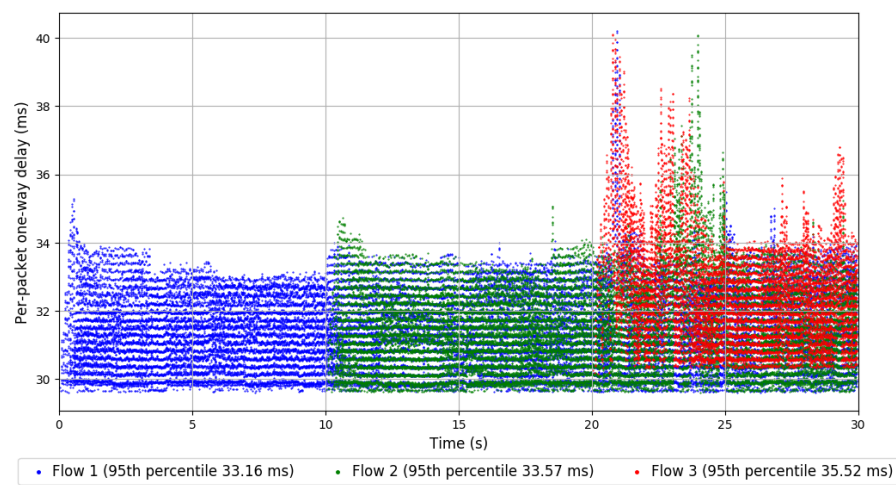
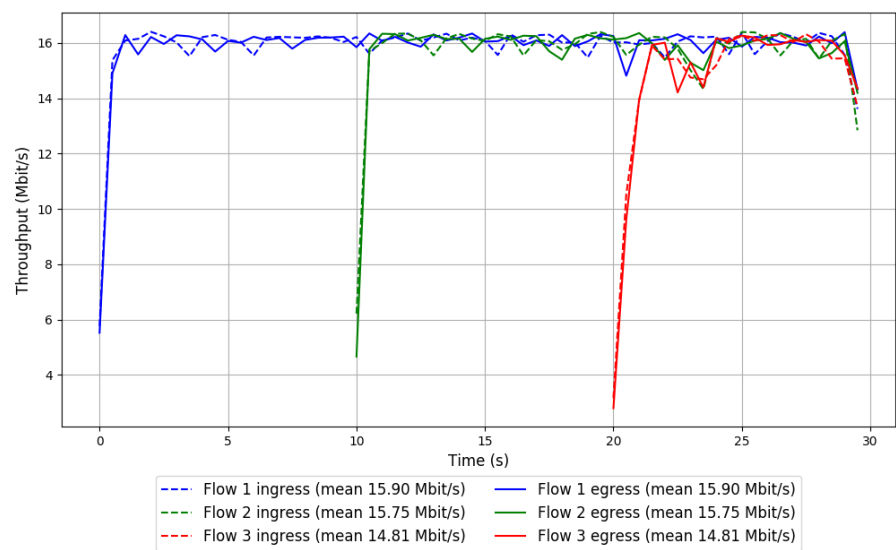


Run 3: Statistics of Sprout

Start at: 2018-03-13 19:32:24
End at: 2018-03-13 19:32:54
Local clock offset: 0.974 ms
Remote clock offset: -1.362 ms

```
# Below is generated by plot.py at 2018-03-13 23:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 33.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 33.163 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 33.567 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 35.520 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

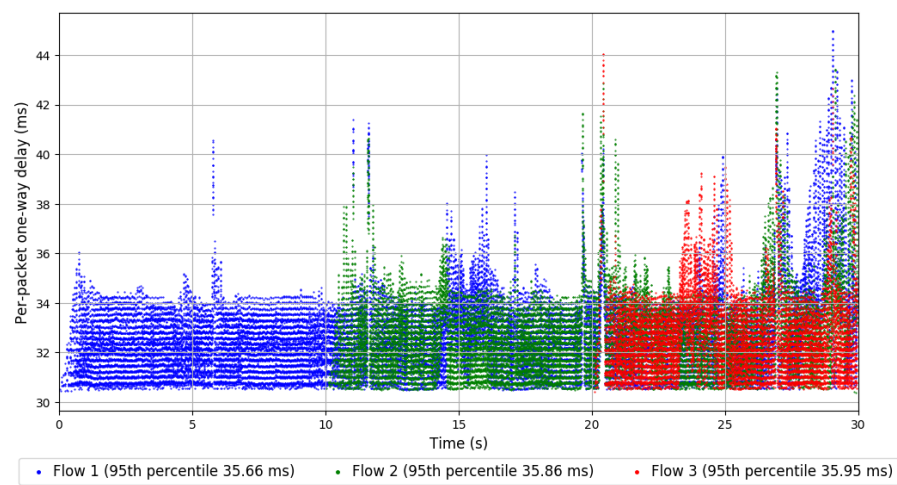
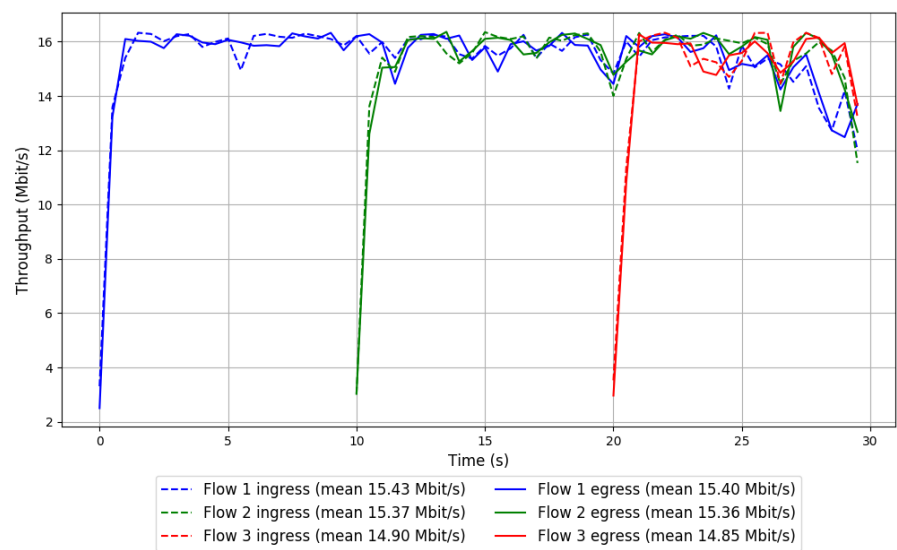


Run 4: Statistics of Sprout

Start at: 2018-03-13 19:57:08
End at: 2018-03-13 19:57:38
Local clock offset: 0.861 ms
Remote clock offset: -1.684 ms

```
# Below is generated by plot.py at 2018-03-13 23:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.52 Mbit/s
95th percentile per-packet one-way delay: 35.785 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 15.40 Mbit/s
95th percentile per-packet one-way delay: 35.660 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 35.859 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 35.946 ms
Loss rate: 0.33%
```

Run 4: Report of Sprout — Data Link

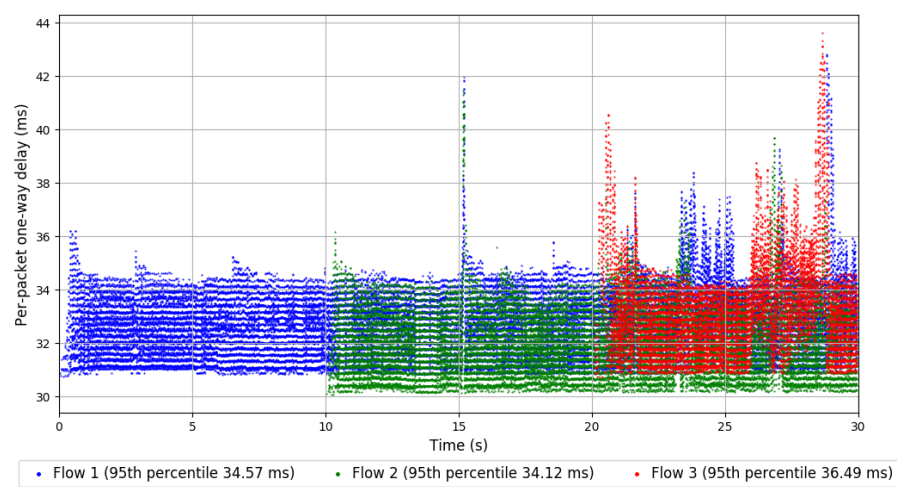
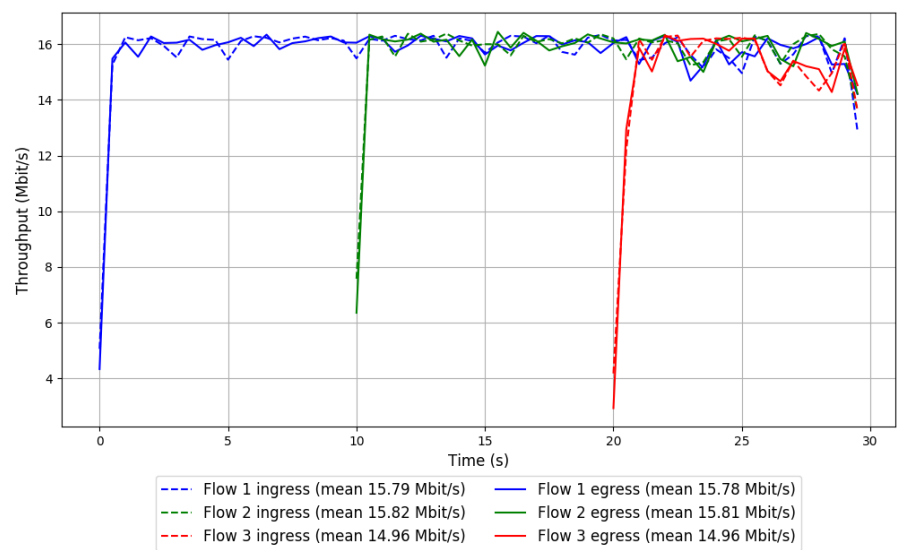


Run 5: Statistics of Sprout

Start at: 2018-03-13 20:21:44
End at: 2018-03-13 20:22:14
Local clock offset: 0.813 ms
Remote clock offset: -2.085 ms

```
# Below is generated by plot.py at 2018-03-13 23:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 34.753 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 15.78 Mbit/s
95th percentile per-packet one-way delay: 34.573 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 34.118 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 36.486 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

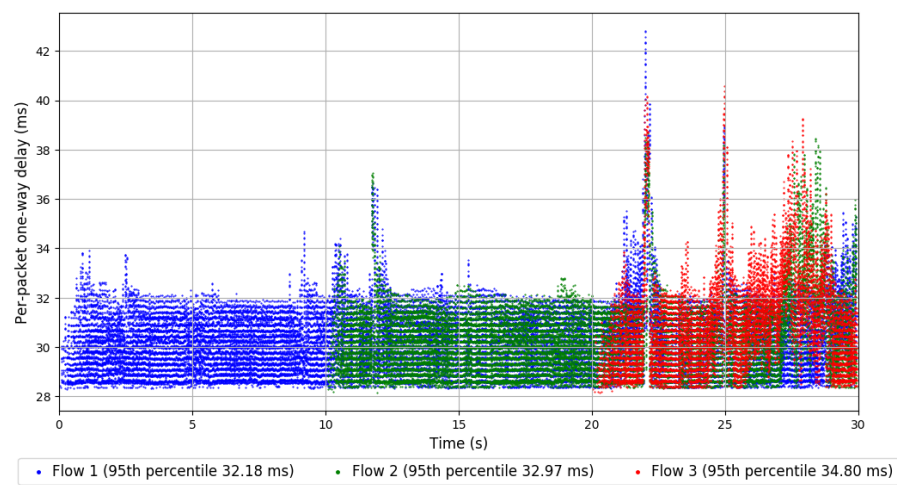
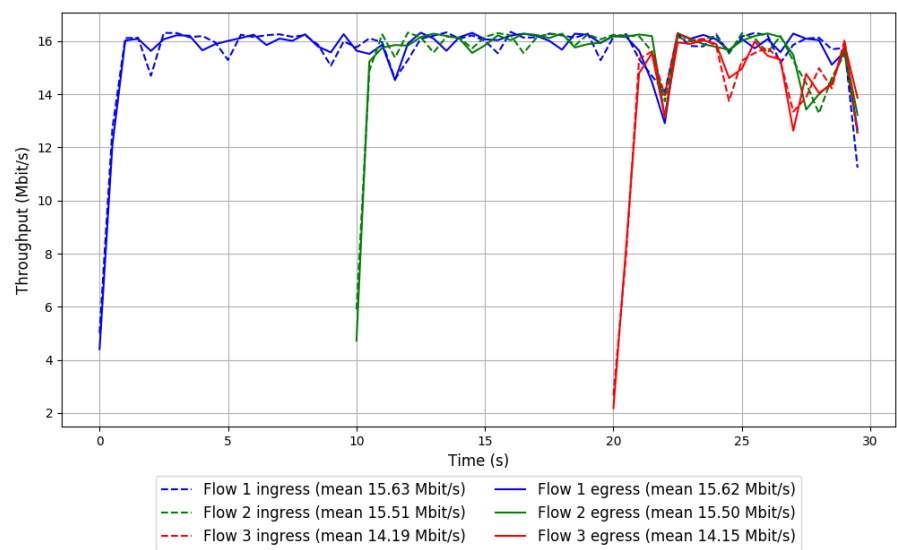


Run 6: Statistics of Sprout

Start at: 2018-03-13 20:46:39
End at: 2018-03-13 20:47:09
Local clock offset: 1.118 ms
Remote clock offset: -4.204 ms

```
# Below is generated by plot.py at 2018-03-13 23:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 33.019 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 15.62 Mbit/s
95th percentile per-packet one-way delay: 32.179 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 15.50 Mbit/s
95th percentile per-packet one-way delay: 32.967 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 34.797 ms
Loss rate: 0.29%
```

Run 6: Report of Sprout — Data Link

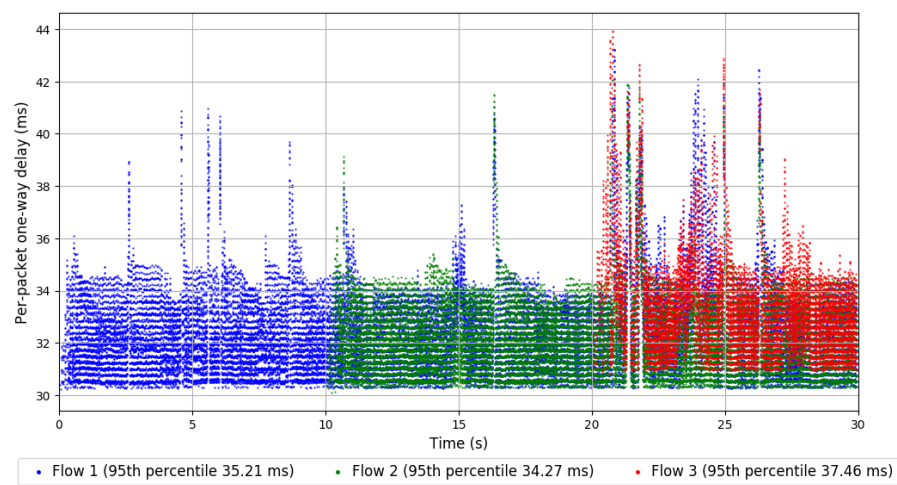
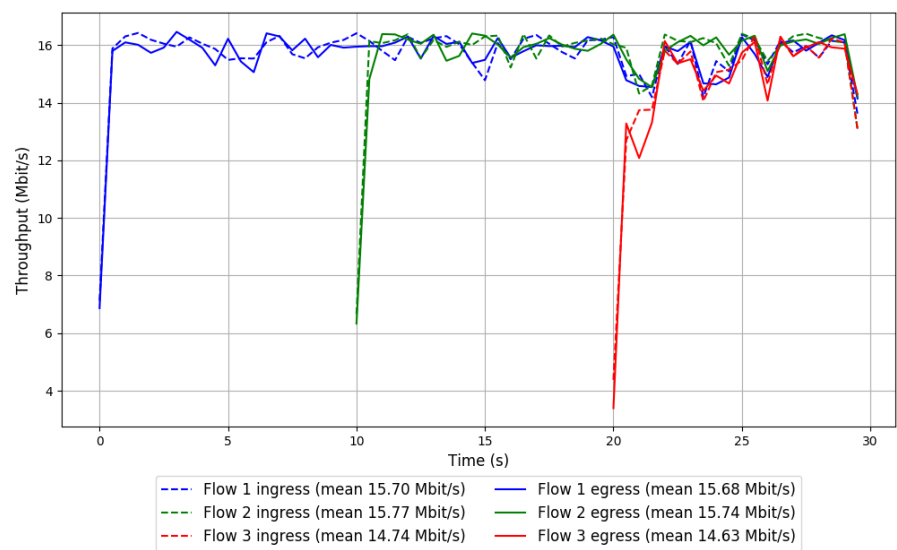


Run 7: Statistics of Sprout

Start at: 2018-03-13 21:11:43
End at: 2018-03-13 21:12:13
Local clock offset: 0.77 ms
Remote clock offset: -1.389 ms

Below is generated by plot.py at 2018-03-13 23:10:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 35.378 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 34.274 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 14.63 Mbit/s
95th percentile per-packet one-way delay: 37.458 ms
Loss rate: 0.66%

Run 7: Report of Sprout — Data Link

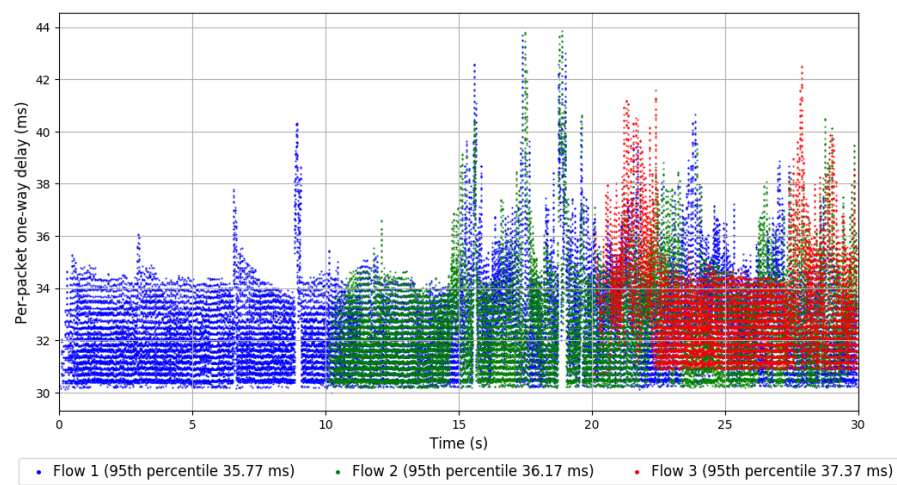
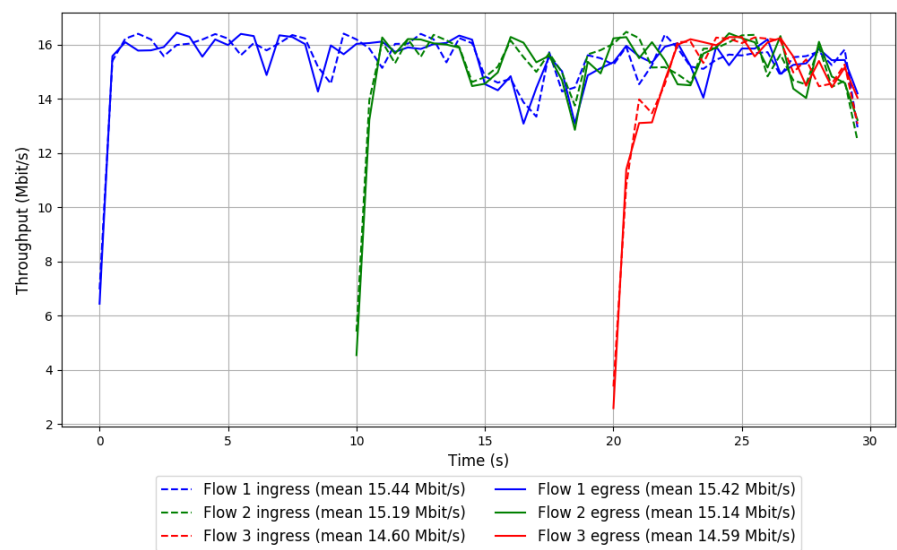


Run 8: Statistics of Sprout

Start at: 2018-03-13 21:36:41
End at: 2018-03-13 21:37:11
Local clock offset: 0.838 ms
Remote clock offset: -1.773 ms

```
# Below is generated by plot.py at 2018-03-13 23:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.31 Mbit/s
95th percentile per-packet one-way delay: 36.223 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 35.773 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 15.14 Mbit/s
95th percentile per-packet one-way delay: 36.168 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 37.374 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

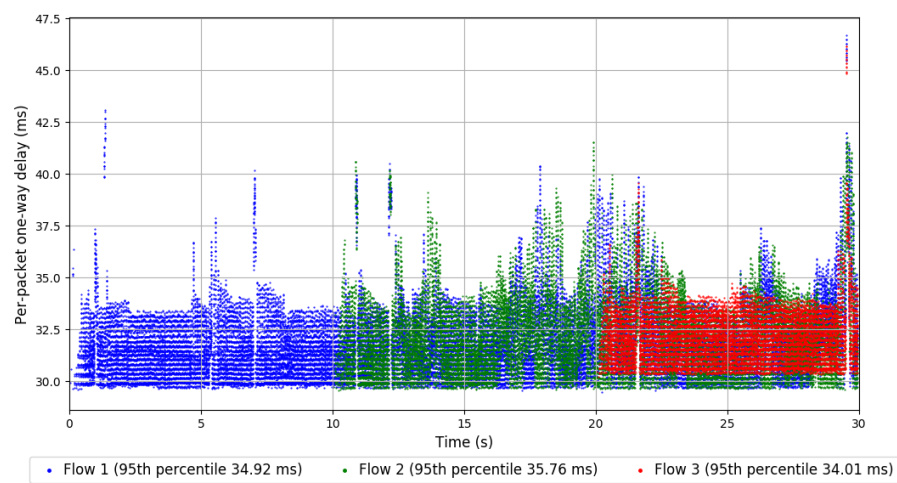
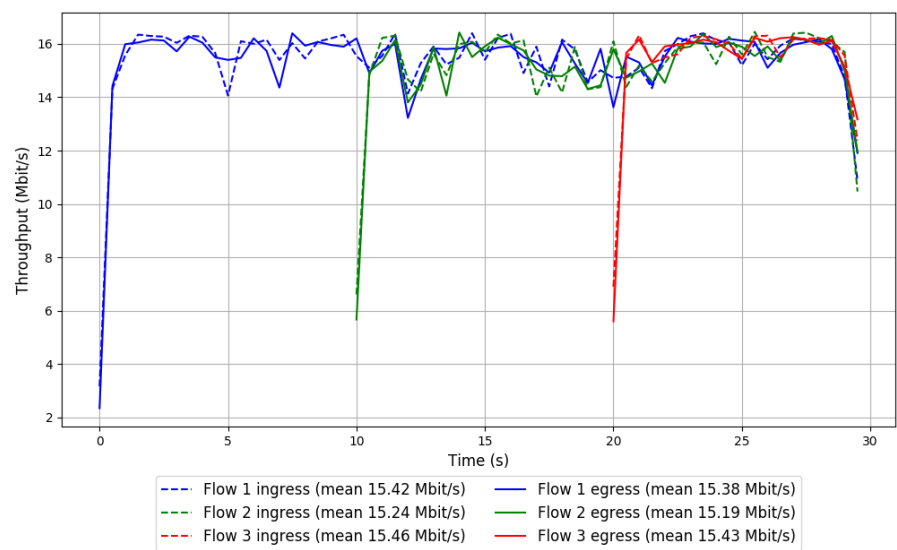


Run 9: Statistics of Sprout

Start at: 2018-03-13 22:03:05
End at: 2018-03-13 22:03:35
Local clock offset: 0.864 ms
Remote clock offset: -2.992 ms

Below is generated by plot.py at 2018-03-13 23:10:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 35.088 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 15.38 Mbit/s
95th percentile per-packet one-way delay: 34.918 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 35.762 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 34.013 ms
Loss rate: 0.18%

Run 9: Report of Sprout — Data Link

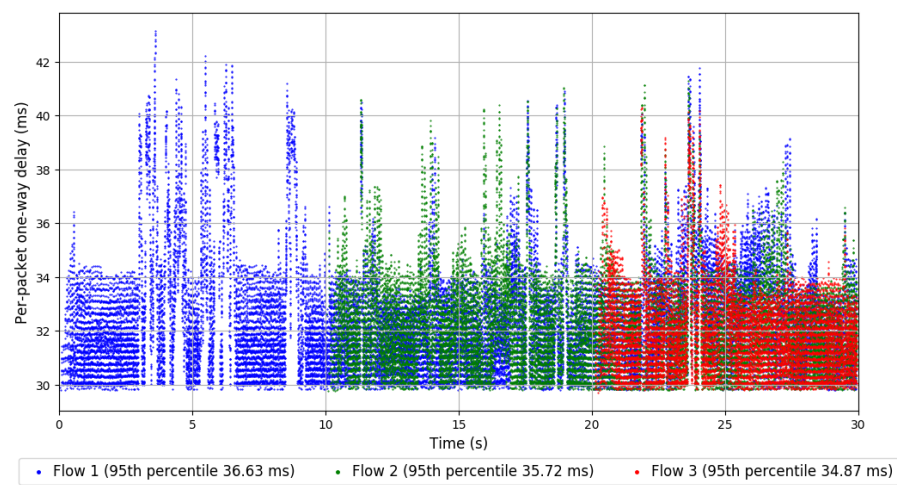
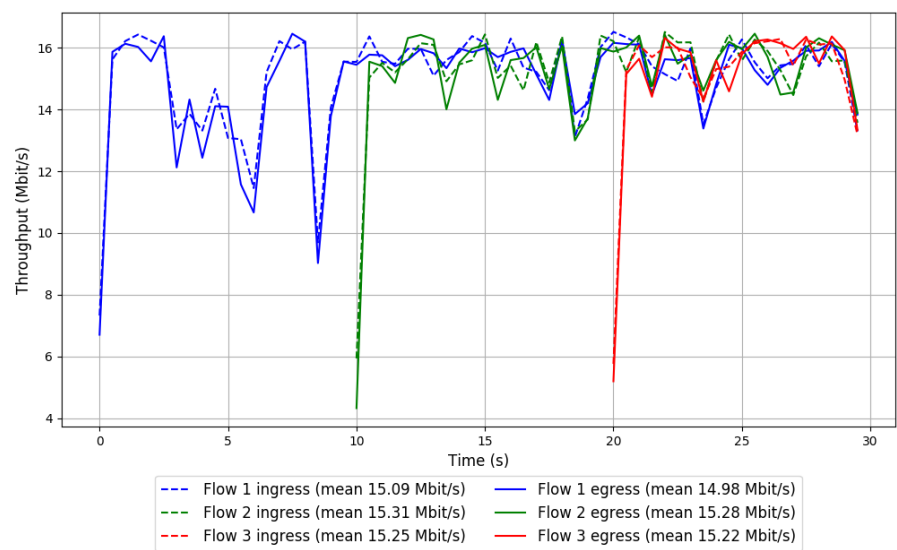


Run 10: Statistics of Sprout

Start at: 2018-03-13 22:29:05
End at: 2018-03-13 22:29:35
Local clock offset: 0.819 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2018-03-13 23:10:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.17 Mbit/s
95th percentile per-packet one-way delay: 36.052 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 14.98 Mbit/s
95th percentile per-packet one-way delay: 36.628 ms
Loss rate: 0.75%
-- Flow 2:
Average throughput: 15.28 Mbit/s
95th percentile per-packet one-way delay: 35.715 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 15.22 Mbit/s
95th percentile per-packet one-way delay: 34.871 ms
Loss rate: 0.23%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-03-13 18:31:54

End at: 2018-03-13 18:32:24

Local clock offset: 1.785 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-03-13 23:12:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 66.951 ms

Loss rate: 17.75%

-- Flow 1:

Average throughput: 51.14 Mbit/s

95th percentile per-packet one-way delay: 66.562 ms

Loss rate: 14.00%

-- Flow 2:

Average throughput: 38.13 Mbit/s

95th percentile per-packet one-way delay: 67.024 ms

Loss rate: 24.43%

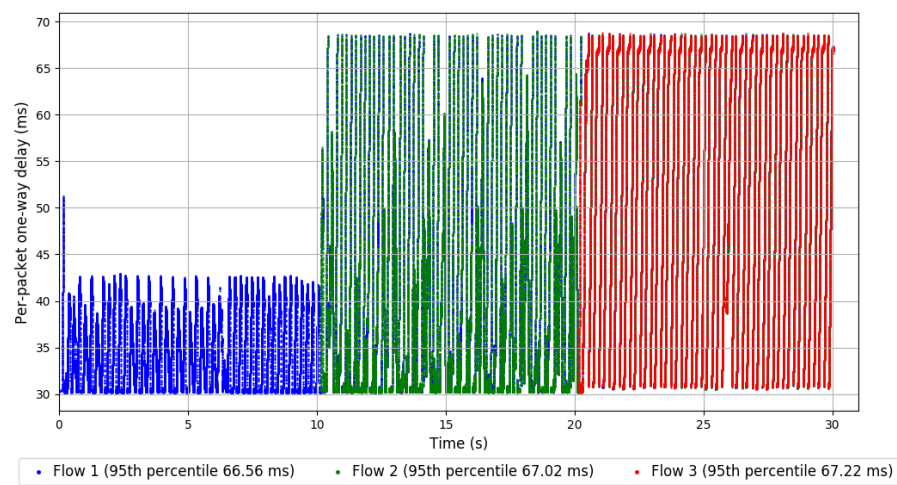
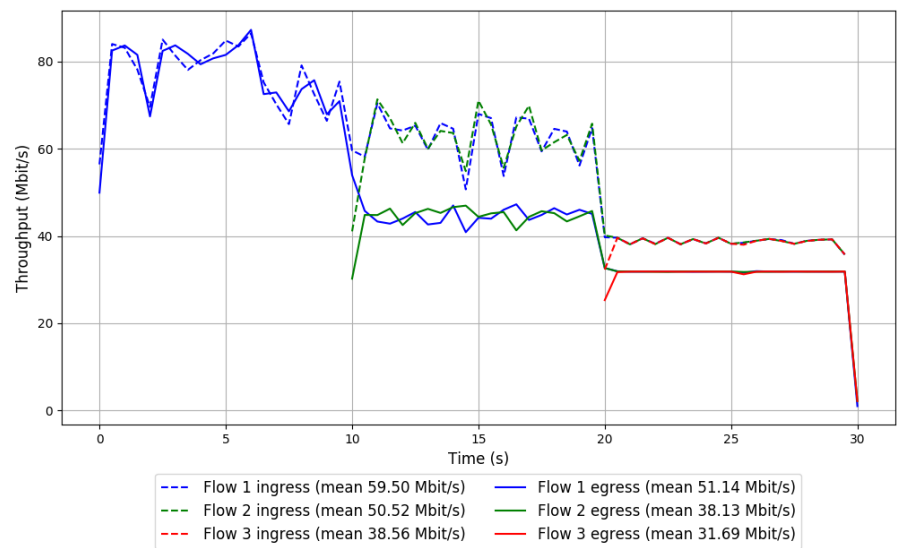
-- Flow 3:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 67.222 ms

Loss rate: 17.65%

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

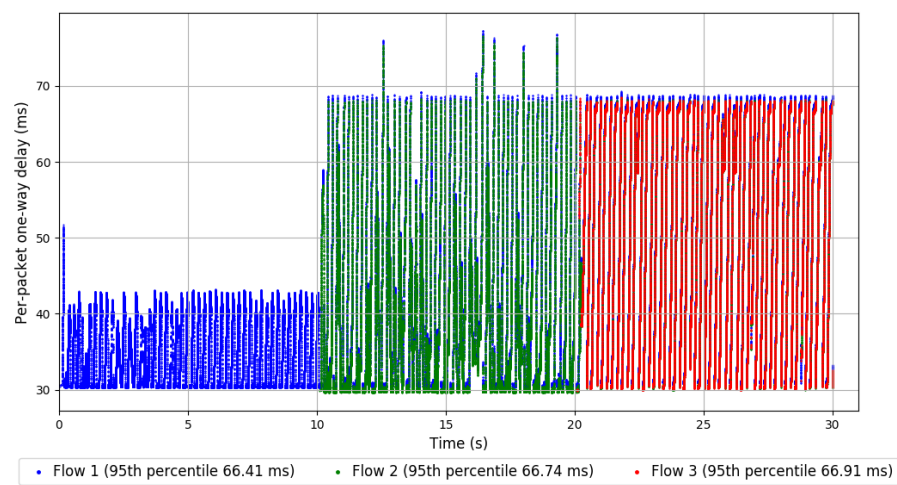
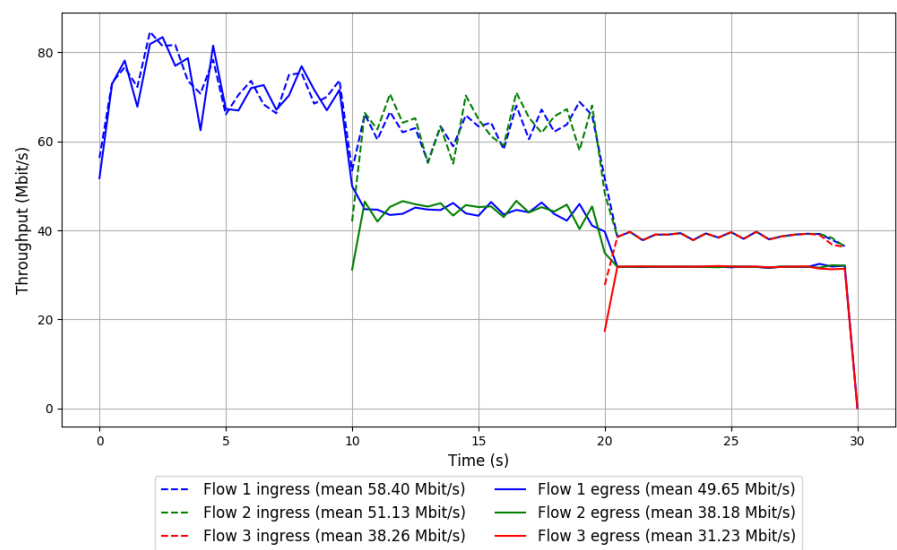


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-13 18:56:32
End at: 2018-03-13 18:57:02
Local clock offset: 1.07 ms
Remote clock offset: -1.877 ms

Below is generated by plot.py at 2018-03-13 23:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 66.787 ms
Loss rate: 18.75%
-- Flow 1:
Average throughput: 49.65 Mbit/s
95th percentile per-packet one-way delay: 66.409 ms
Loss rate: 14.98%
-- Flow 2:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 66.743 ms
Loss rate: 25.37%
-- Flow 3:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 66.905 ms
Loss rate: 18.34%

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

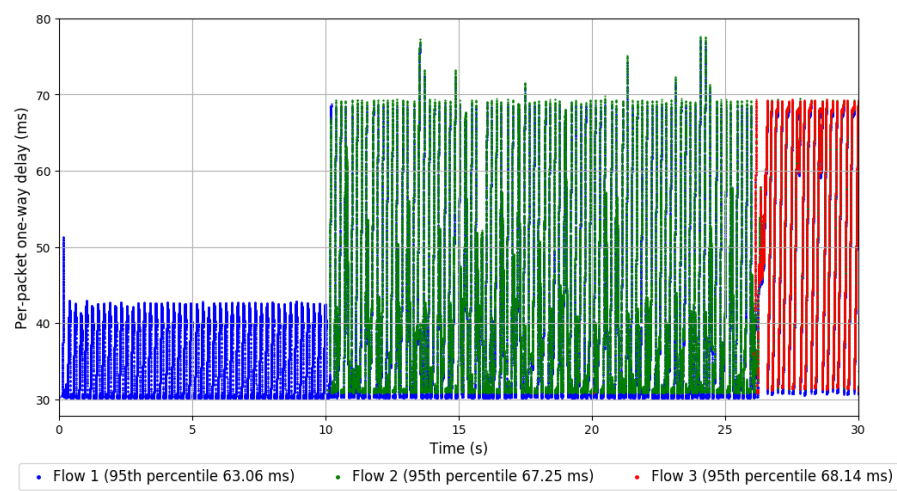
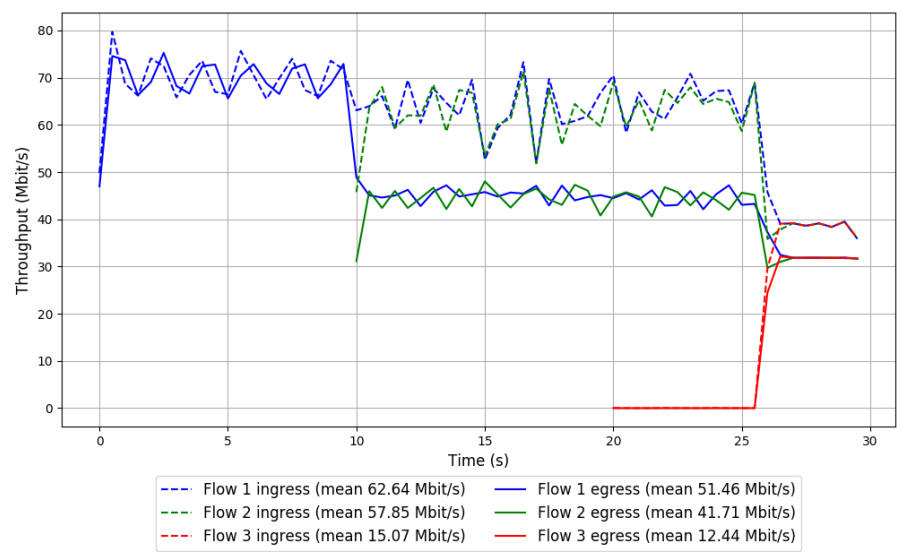


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-13 19:21:26
End at: 2018-03-13 19:21:56
Local clock offset: 0.892 ms
Remote clock offset: -1.234 ms

Below is generated by plot.py at 2018-03-13 23:13:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 66.233 ms
Loss rate: 21.47%
-- Flow 1:
Average throughput: 51.46 Mbit/s
95th percentile per-packet one-way delay: 63.057 ms
Loss rate: 17.84%
-- Flow 2:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 67.246 ms
Loss rate: 27.89%
-- Flow 3:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 68.142 ms
Loss rate: 17.42%

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

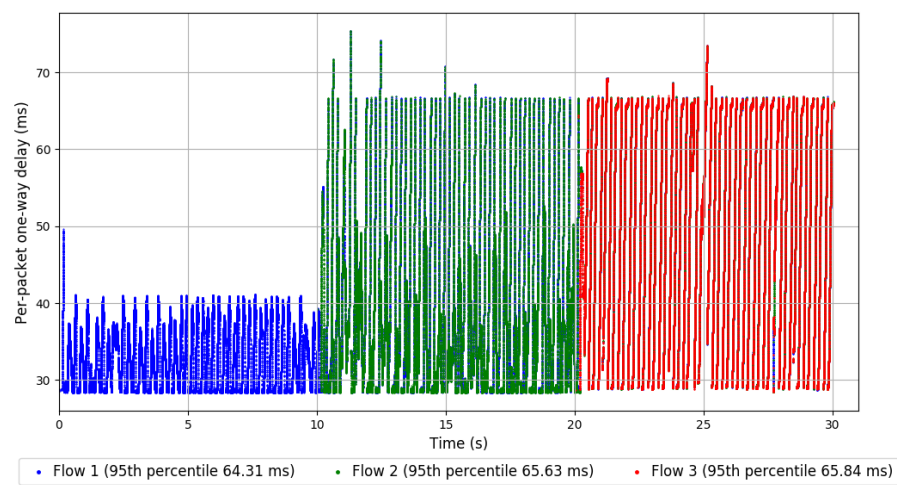
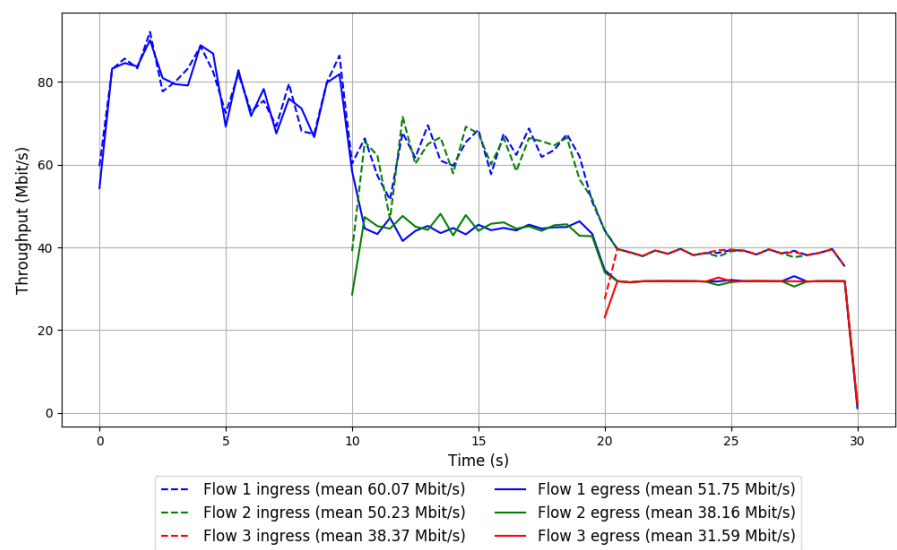


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-13 19:46:09
End at: 2018-03-13 19:46:39
Local clock offset: 0.856 ms
Remote clock offset: -3.217 ms

Below is generated by plot.py at 2018-03-13 23:13:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.65 Mbit/s
95th percentile per-packet one-way delay: 65.546 ms
Loss rate: 17.40%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 64.312 ms
Loss rate: 13.79%
-- Flow 2:
Average throughput: 38.16 Mbit/s
95th percentile per-packet one-way delay: 65.631 ms
Loss rate: 23.91%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 65.843 ms
Loss rate: 17.36%

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

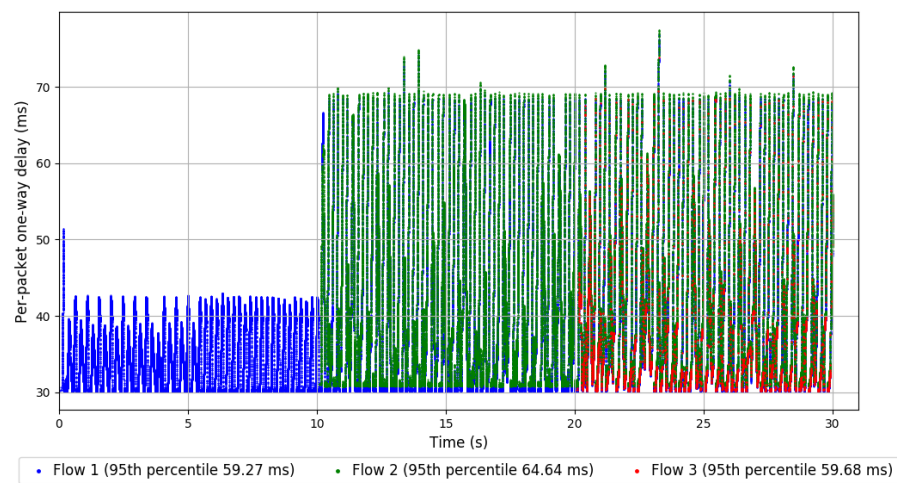
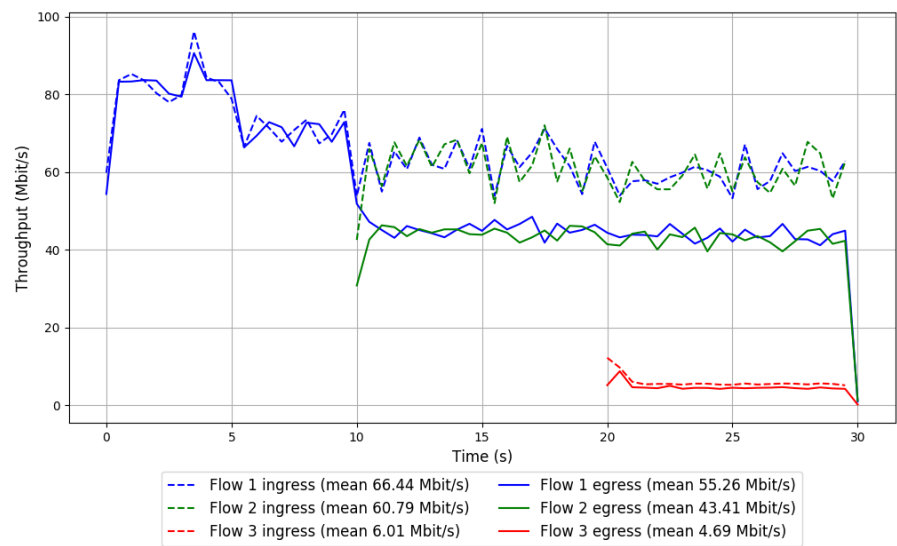


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-13 20:10:45
End at: 2018-03-13 20:11:15
Local clock offset: 0.825 ms
Remote clock offset: -1.847 ms

Below is generated by plot.py at 2018-03-13 23:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.72 Mbit/s
95th percentile per-packet one-way delay: 61.901 ms
Loss rate: 21.23%
-- Flow 1:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 59.269 ms
Loss rate: 16.76%
-- Flow 2:
Average throughput: 43.41 Mbit/s
95th percentile per-packet one-way delay: 64.642 ms
Loss rate: 28.54%
-- Flow 3:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 59.683 ms
Loss rate: 21.89%

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

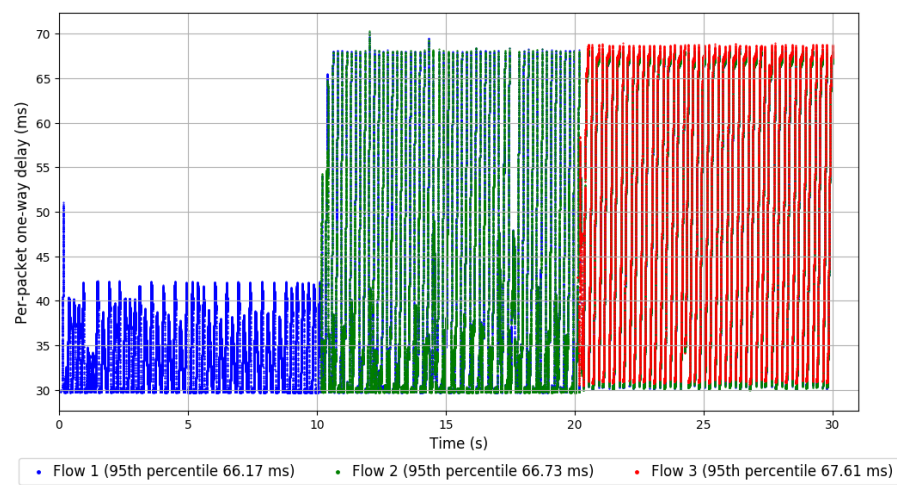
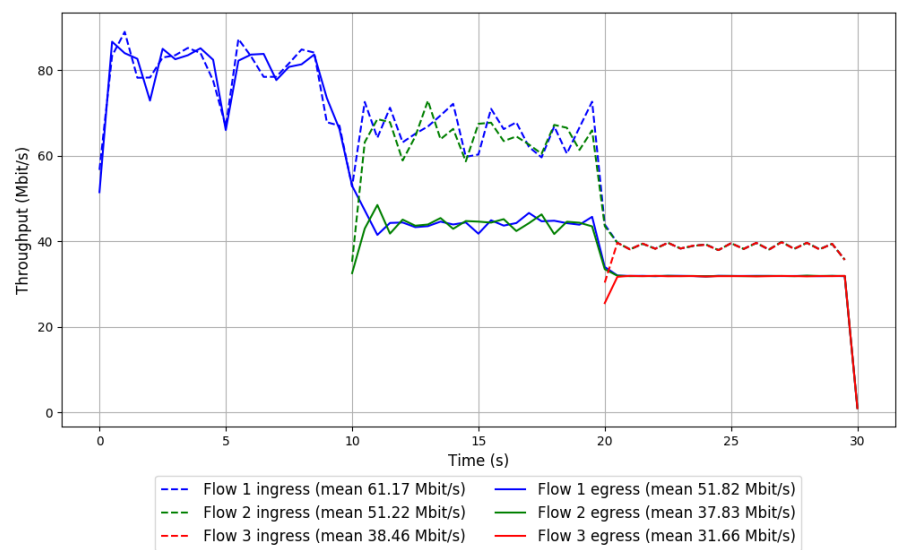


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-13 20:35:22
End at: 2018-03-13 20:35:52
Local clock offset: 1.015 ms
Remote clock offset: -2.221 ms

Below is generated by plot.py at 2018-03-13 23:13:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 66.816 ms
Loss rate: 18.93%
-- Flow 1:
Average throughput: 51.82 Mbit/s
95th percentile per-packet one-way delay: 66.175 ms
Loss rate: 15.22%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 66.735 ms
Loss rate: 26.09%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 67.614 ms
Loss rate: 17.57%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-03-13 21:00:22

End at: 2018-03-13 21:00:52

Local clock offset: 1.068 ms

Remote clock offset: -2.08 ms

Below is generated by plot.py at 2018-03-13 23:13:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 67.505 ms

Loss rate: 16.86%

-- Flow 1:

Average throughput: 51.92 Mbit/s

95th percentile per-packet one-way delay: 66.725 ms

Loss rate: 13.08%

-- Flow 2:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 67.396 ms

Loss rate: 23.36%

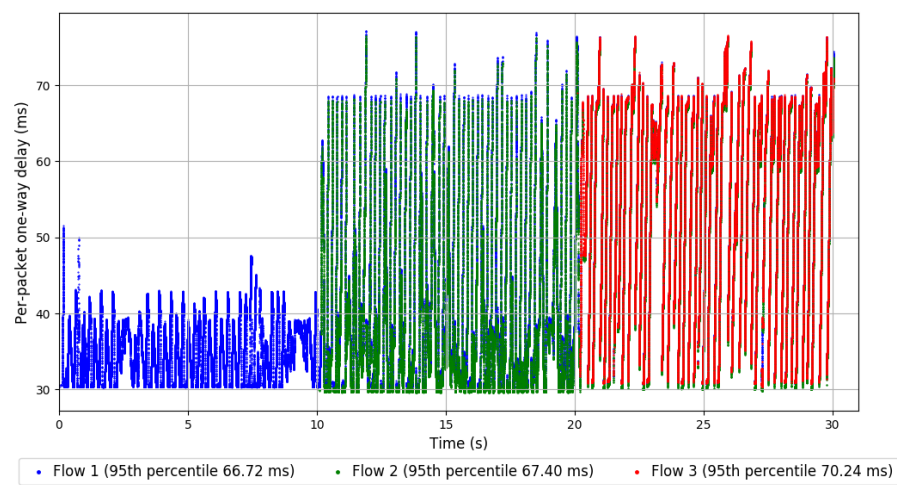
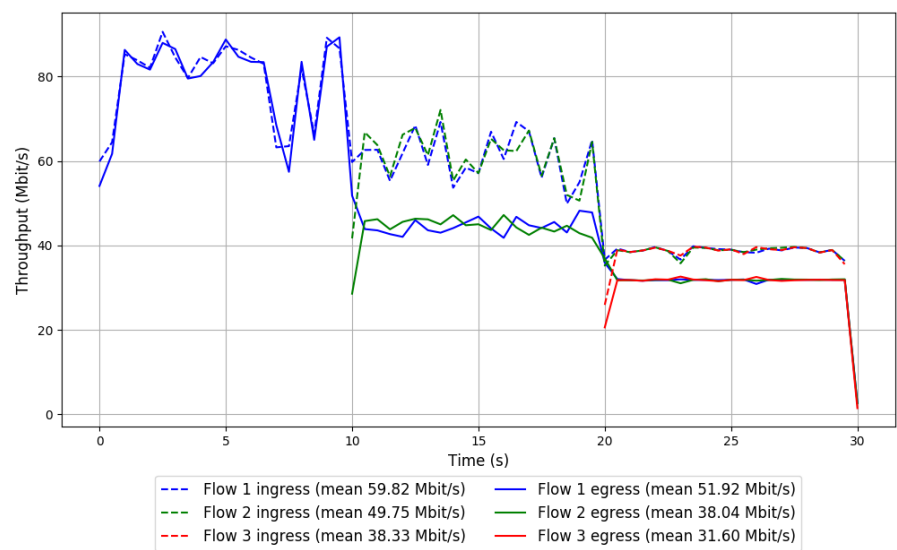
-- Flow 3:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 70.242 ms

Loss rate: 17.69%

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

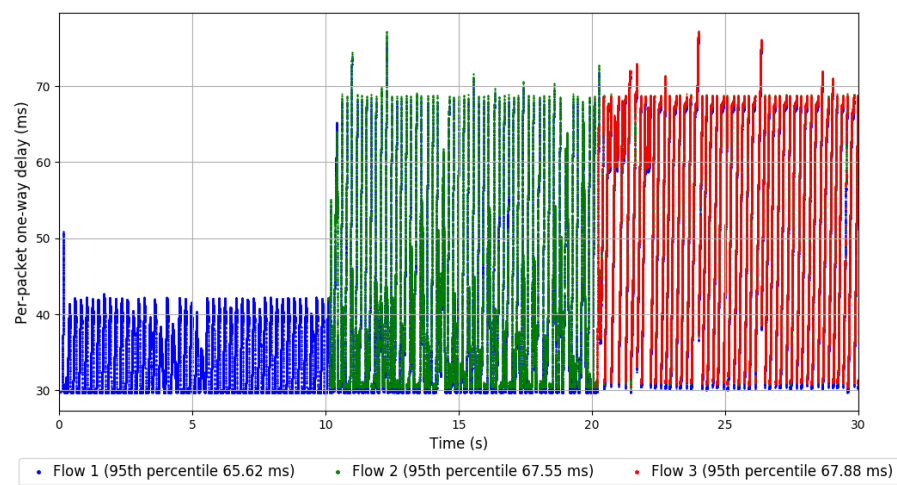
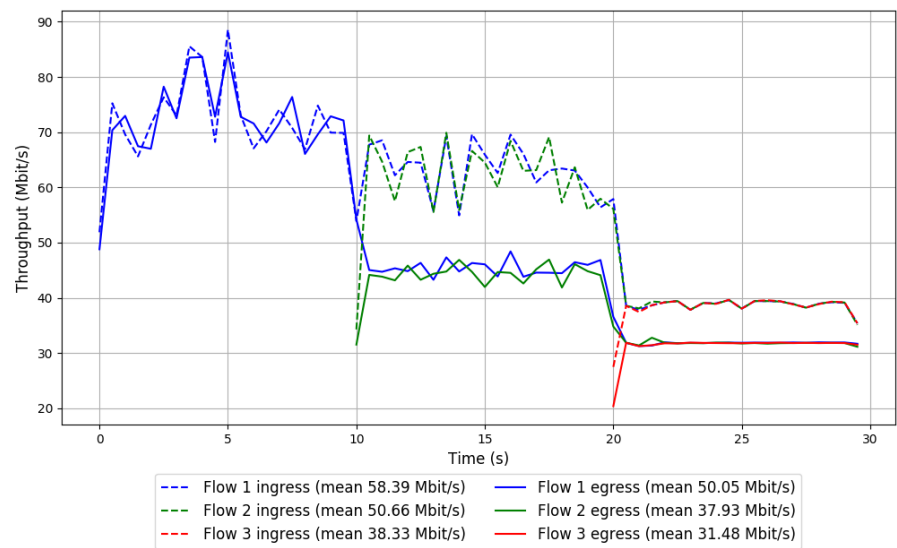


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-13 21:25:26
End at: 2018-03-13 21:25:56
Local clock offset: 0.785 ms
Remote clock offset: -1.828 ms

Below is generated by plot.py at 2018-03-13 23:13:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: 67.249 ms
Loss rate: 18.24%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 65.620 ms
Loss rate: 14.28%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 67.553 ms
Loss rate: 25.12%
-- Flow 3:
Average throughput: 31.48 Mbit/s
95th percentile per-packet one-way delay: 67.876 ms
Loss rate: 18.20%

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

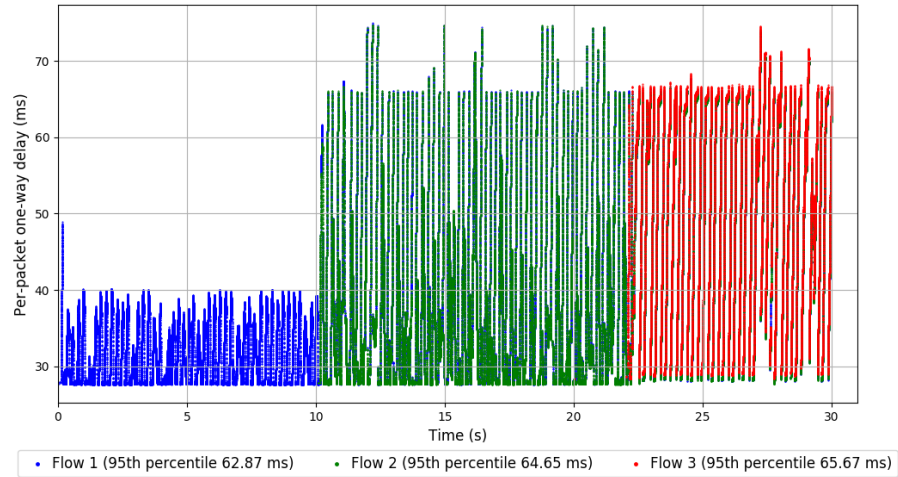
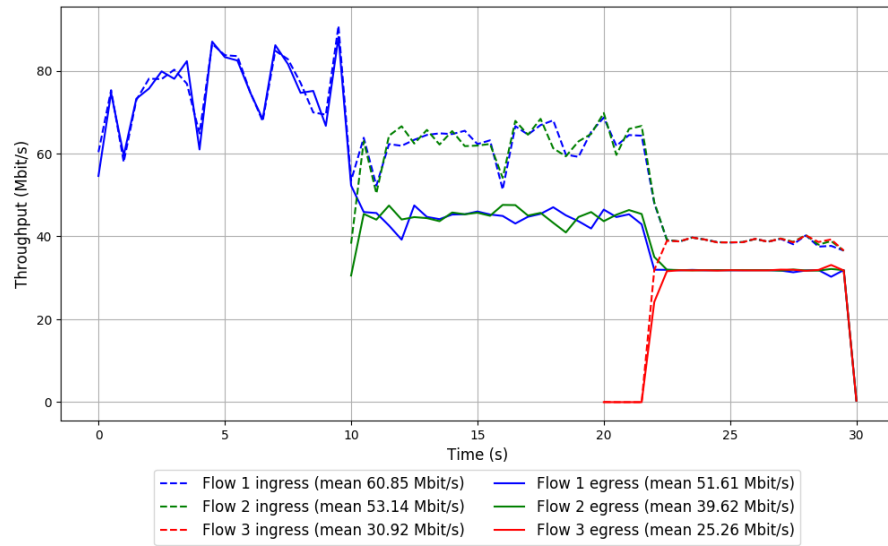


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-13 21:50:56
End at: 2018-03-13 21:51:26
Local clock offset: 0.869 ms
Remote clock offset: -4.792 ms

Below is generated by plot.py at 2018-03-13 23:15:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 64.561 ms
Loss rate: 18.87%
-- Flow 1:
Average throughput: 51.61 Mbit/s
95th percentile per-packet one-way delay: 62.873 ms
Loss rate: 15.15%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 64.654 ms
Loss rate: 25.44%
-- Flow 3:
Average throughput: 25.26 Mbit/s
95th percentile per-packet one-way delay: 65.672 ms
Loss rate: 18.24%

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

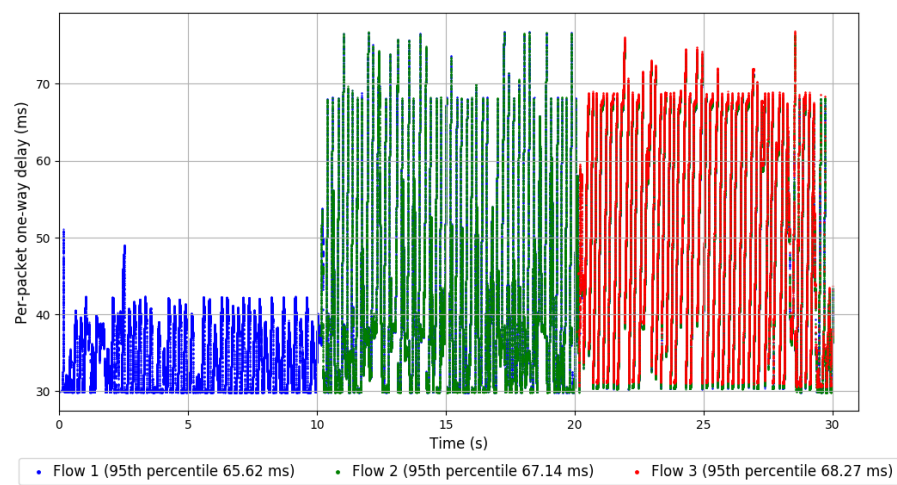
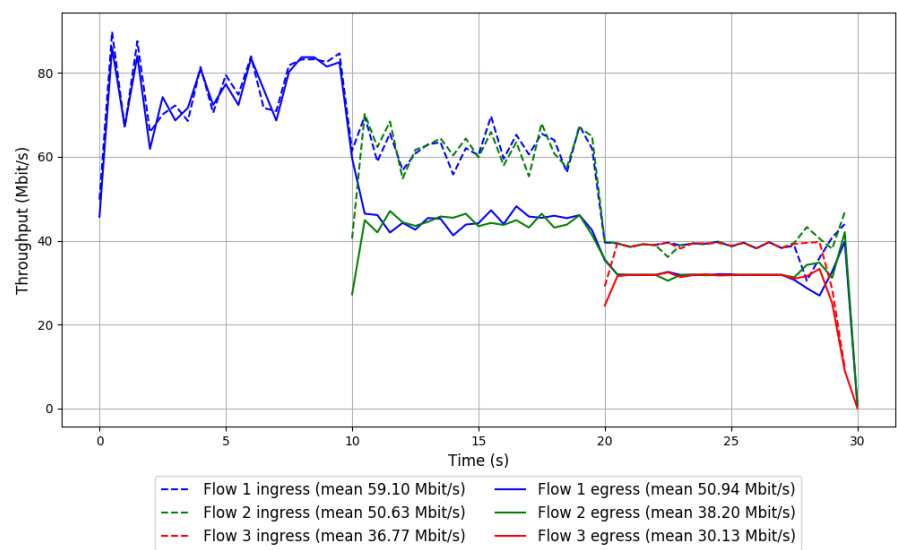


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-13 22:17:21
End at: 2018-03-13 22:17:51
Local clock offset: 0.782 ms
Remote clock offset: -1.815 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 67.061 ms
Loss rate: 17.72%
-- Flow 1:
Average throughput: 50.94 Mbit/s
95th percentile per-packet one-way delay: 65.617 ms
Loss rate: 13.77%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 67.142 ms
Loss rate: 24.53%
-- Flow 3:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 68.268 ms
Loss rate: 18.00%

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

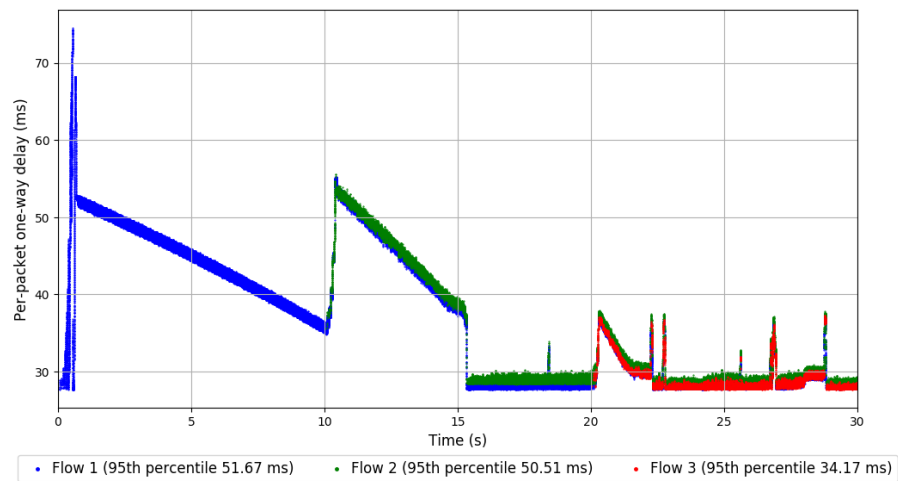
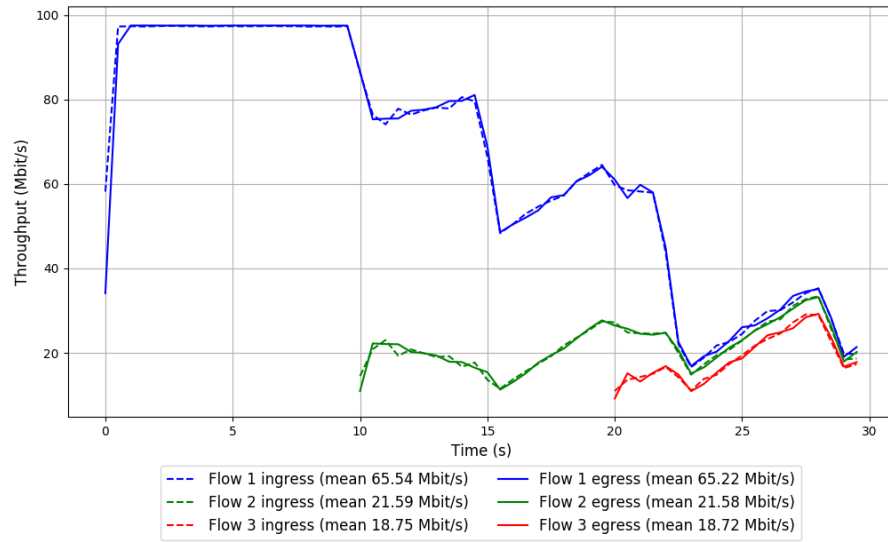


Run 1: Statistics of TCP Vegas

Start at: 2018-03-13 18:46:55
End at: 2018-03-13 18:47:25
Local clock offset: 1.353 ms
Remote clock offset: -3.196 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 51.457 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 51.670 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 50.508 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 34.166 ms
Loss rate: 0.13%

Run 1: Report of TCP Vegas — Data Link

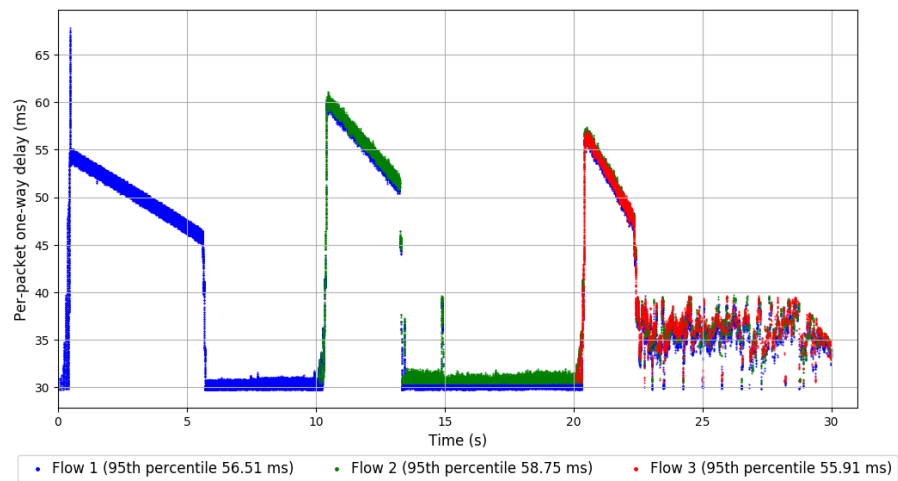
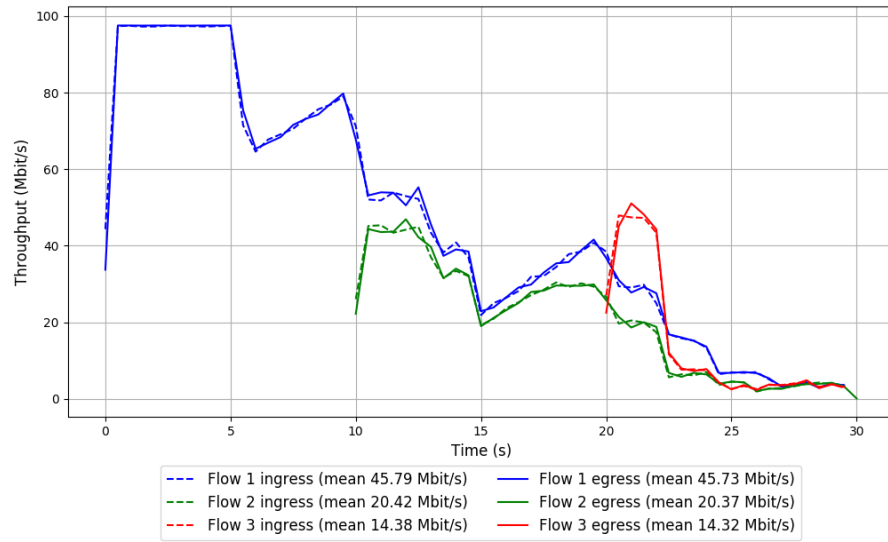


Run 2: Statistics of TCP Vegas

Start at: 2018-03-13 19:11:49
End at: 2018-03-13 19:12:19
Local clock offset: 0.895 ms
Remote clock offset: -2.123 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 57.259 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 45.73 Mbit/s
95th percentile per-packet one-way delay: 56.510 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 58.750 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 55.915 ms
Loss rate: 0.44%

Run 2: Report of TCP Vegas — Data Link

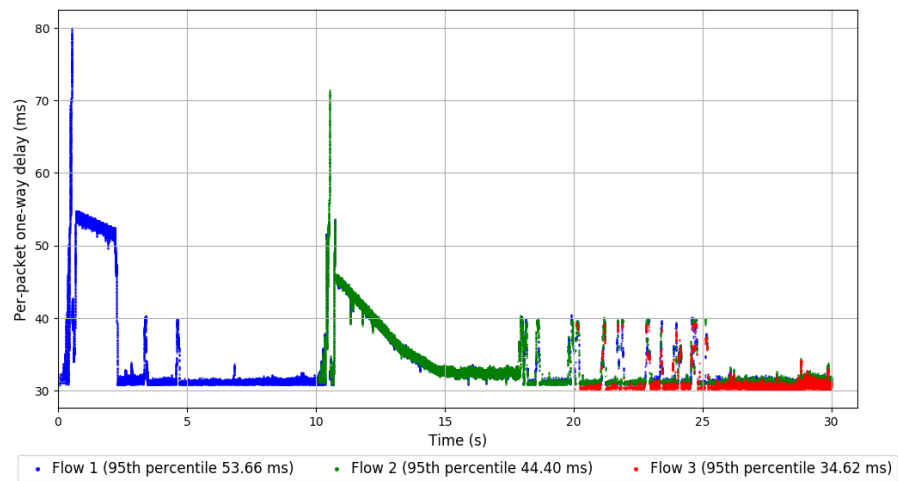
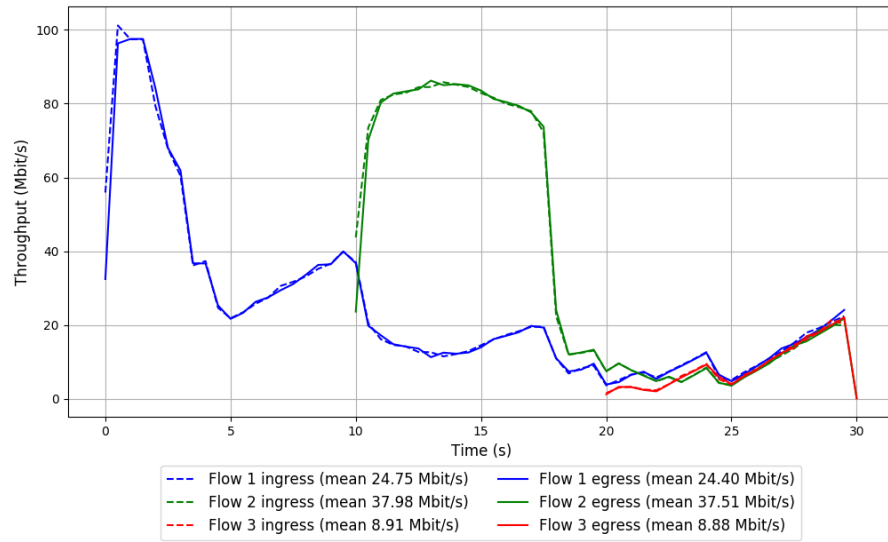


Run 3: Statistics of TCP Vegas

Start at: 2018-03-13 19:36:25
End at: 2018-03-13 19:36:55
Local clock offset: 0.87 ms
Remote clock offset: -0.828 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.33 Mbit/s
95th percentile per-packet one-way delay: 52.961 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 53.662 ms
Loss rate: 1.42%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 44.401 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 34.615 ms
Loss rate: 0.24%

Run 3: Report of TCP Vegas — Data Link

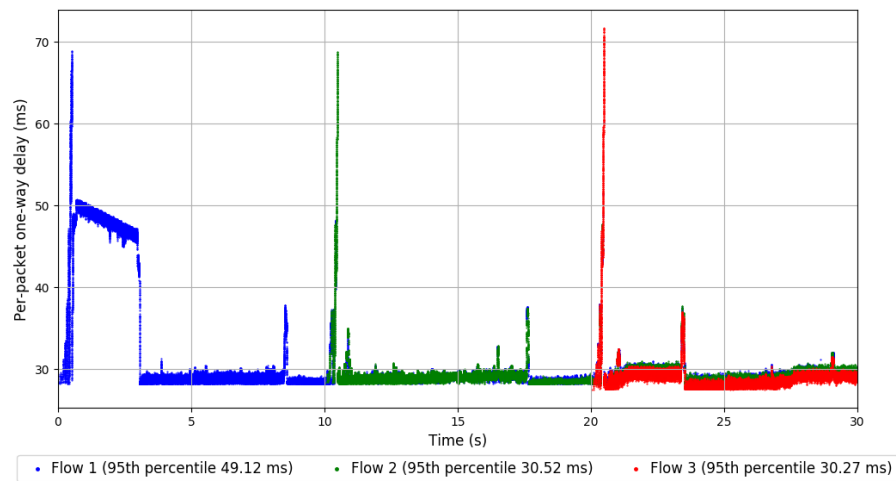
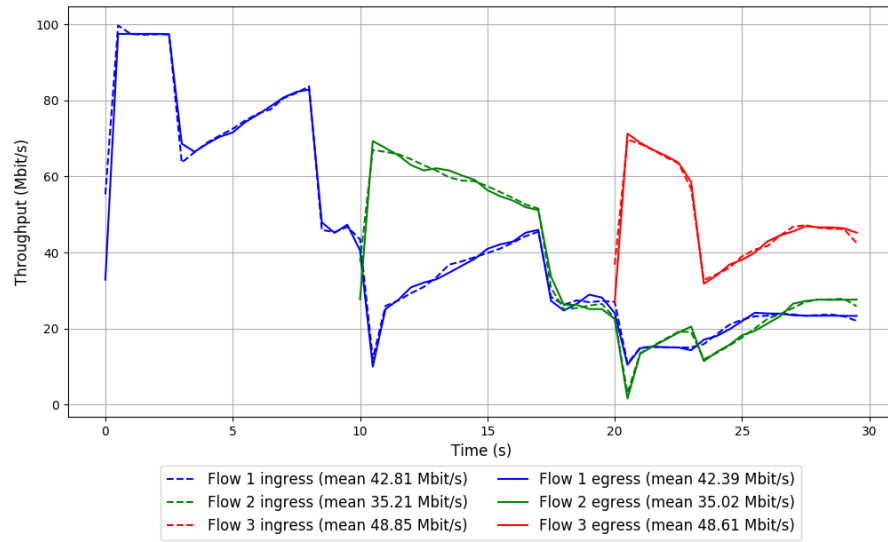


Run 4: Statistics of TCP Vegas

Start at: 2018-03-13 20:01:09
End at: 2018-03-13 20:01:39
Local clock offset: 0.846 ms
Remote clock offset: -4.114 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.84 Mbit/s
95th percentile per-packet one-way delay: 48.387 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 49.123 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 30.517 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 48.61 Mbit/s
95th percentile per-packet one-way delay: 30.275 ms
Loss rate: 0.48%

Run 4: Report of TCP Vegas — Data Link

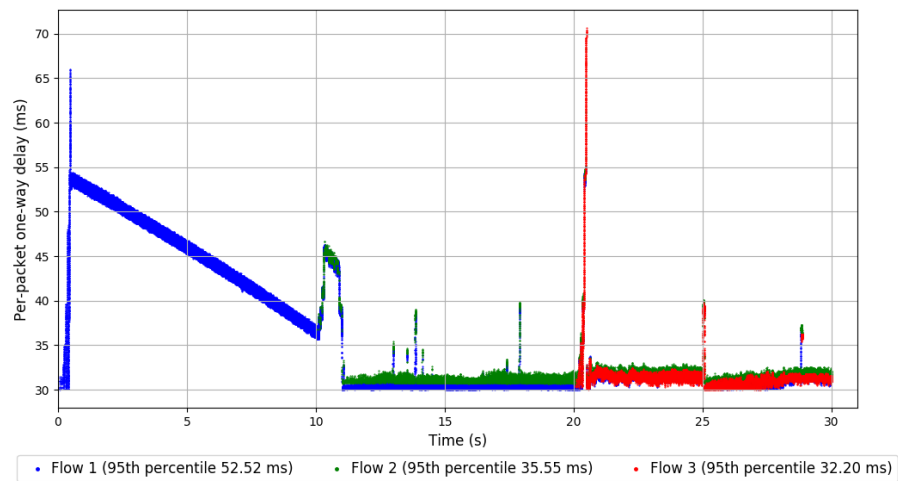
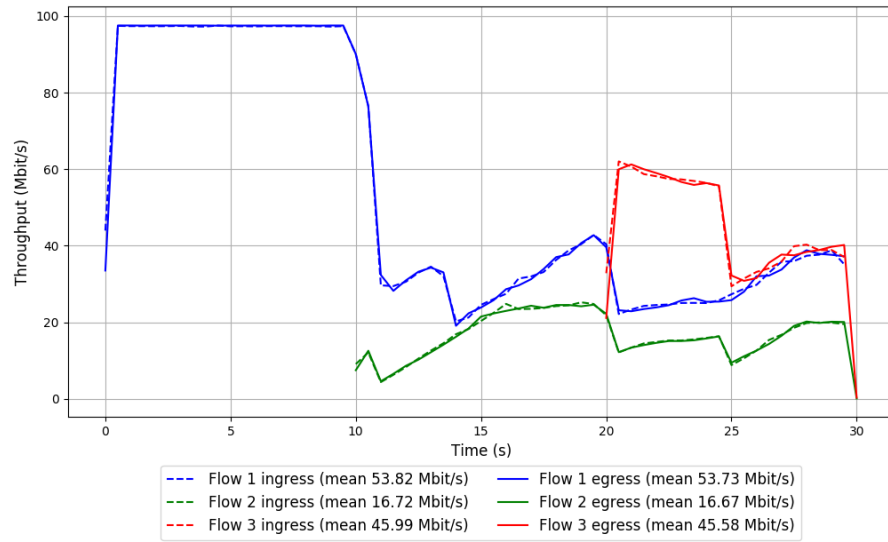


Run 5: Statistics of TCP Vegas

Start at: 2018-03-13 20:25:45
End at: 2018-03-13 20:26:15
Local clock offset: 0.947 ms
Remote clock offset: -2.075 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.92 Mbit/s
95th percentile per-packet one-way delay: 51.889 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 52.518 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 16.67 Mbit/s
95th percentile per-packet one-way delay: 35.545 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 32.204 ms
Loss rate: 0.89%

Run 5: Report of TCP Vegas — Data Link

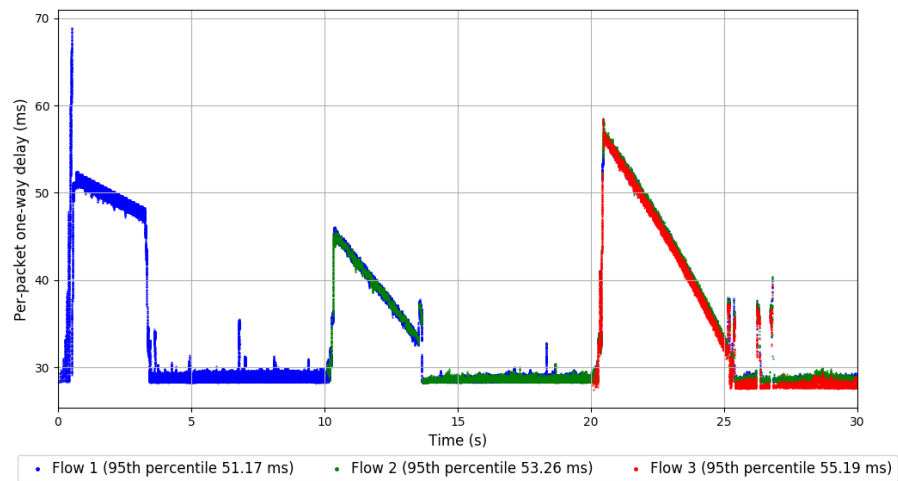
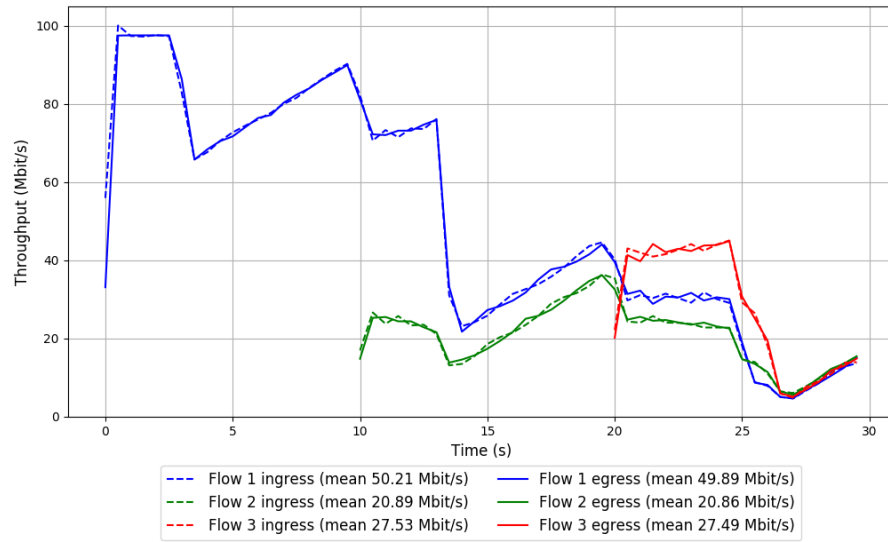


Run 6: Statistics of TCP Vegas

Start at: 2018-03-13 20:50:40
End at: 2018-03-13 20:51:10
Local clock offset: 1.219 ms
Remote clock offset: -4.182 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.90 Mbit/s
95th percentile per-packet one-way delay: 52.020 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 51.171 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 20.86 Mbit/s
95th percentile per-packet one-way delay: 53.255 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 27.49 Mbit/s
95th percentile per-packet one-way delay: 55.187 ms
Loss rate: 0.17%

Run 6: Report of TCP Vegas — Data Link

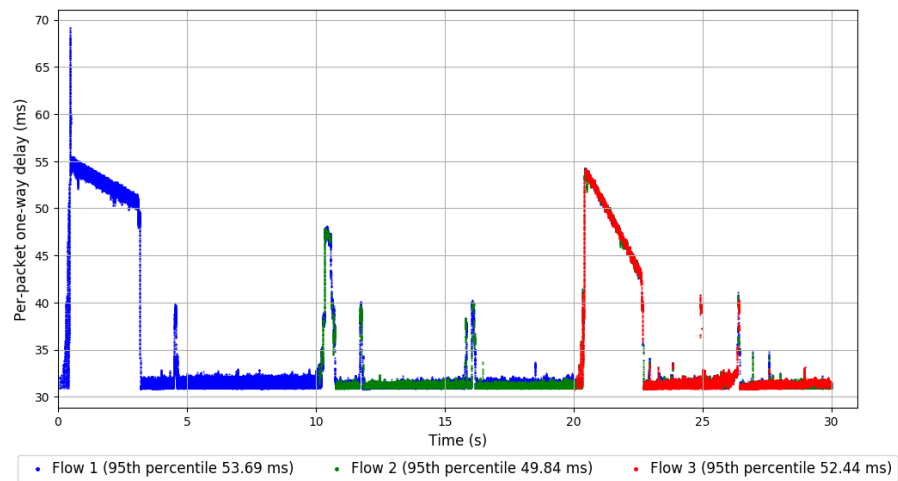
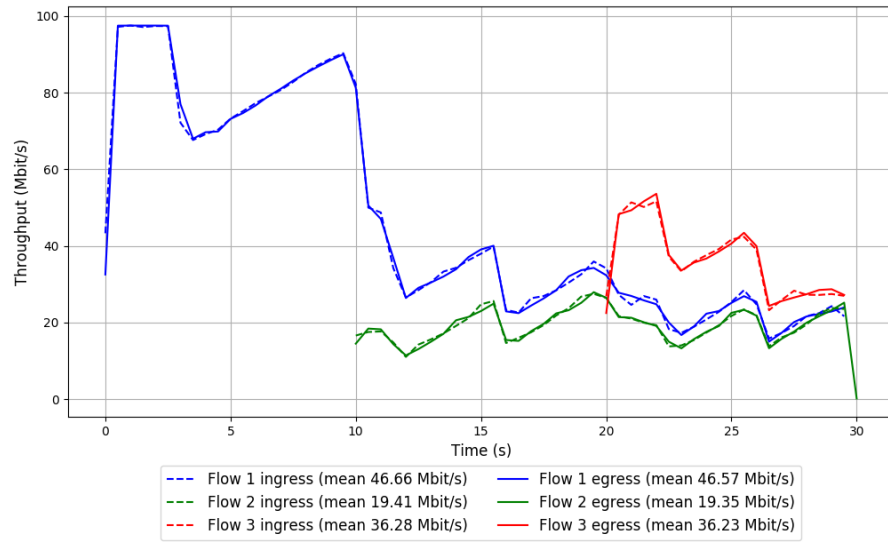


Run 7: Statistics of TCP Vegas

Start at: 2018-03-13 21:15:44
End at: 2018-03-13 21:16:14
Local clock offset: 0.839 ms
Remote clock offset: -1.327 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.46 Mbit/s
95th percentile per-packet one-way delay: 53.289 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 46.57 Mbit/s
95th percentile per-packet one-way delay: 53.685 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 49.838 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 36.23 Mbit/s
95th percentile per-packet one-way delay: 52.442 ms
Loss rate: 0.14%

Run 7: Report of TCP Vegas — Data Link

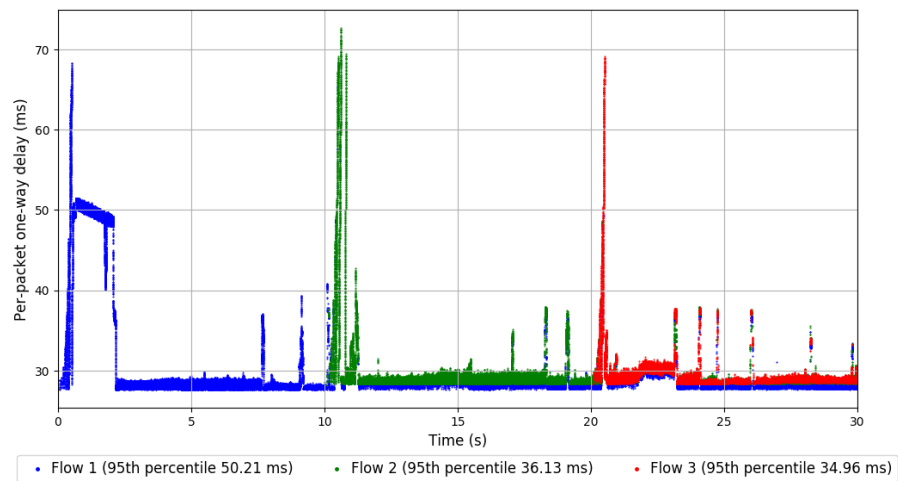
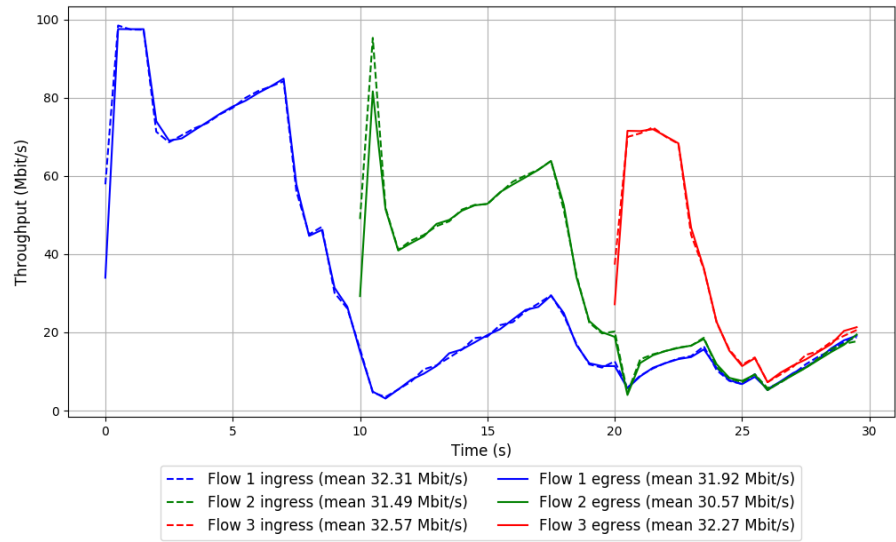


Run 8: Statistics of TCP Vegas

Start at: 2018-03-13 21:40:45
End at: 2018-03-13 21:41:15
Local clock offset: 0.866 ms
Remote clock offset: -4.465 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.98 Mbit/s
95th percentile per-packet one-way delay: 49.717 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 50.212 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 36.133 ms
Loss rate: 2.91%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 34.959 ms
Loss rate: 0.92%

Run 8: Report of TCP Vegas — Data Link

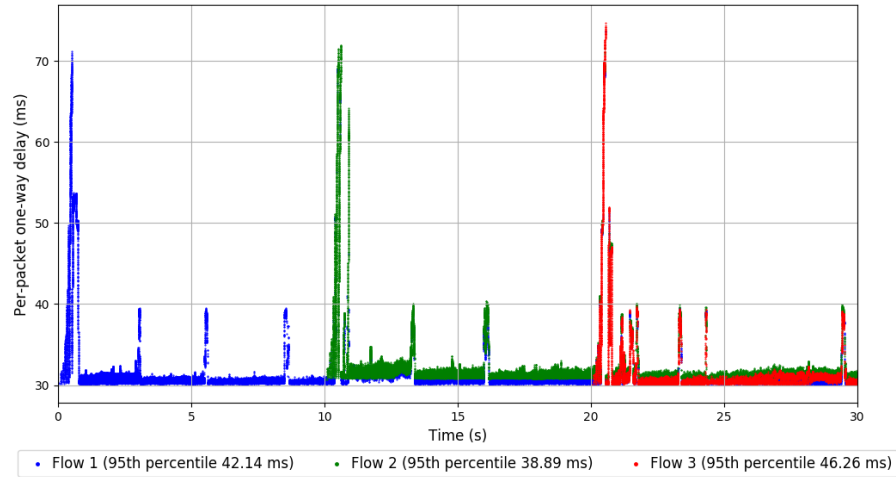
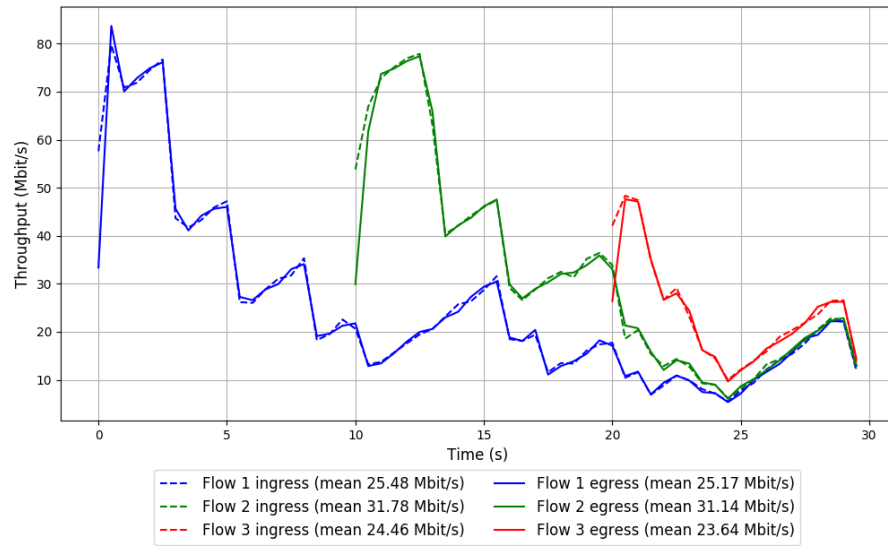


Run 9: Statistics of TCP Vegas

Start at: 2018-03-13 22:07:12
End at: 2018-03-13 22:07:42
Local clock offset: 0.789 ms
Remote clock offset: -2.429 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.74 Mbit/s
95th percentile per-packet one-way delay: 39.997 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 25.17 Mbit/s
95th percentile per-packet one-way delay: 42.142 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 38.888 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 23.64 Mbit/s
95th percentile per-packet one-way delay: 46.258 ms
Loss rate: 3.33%

Run 9: Report of TCP Vegas — Data Link

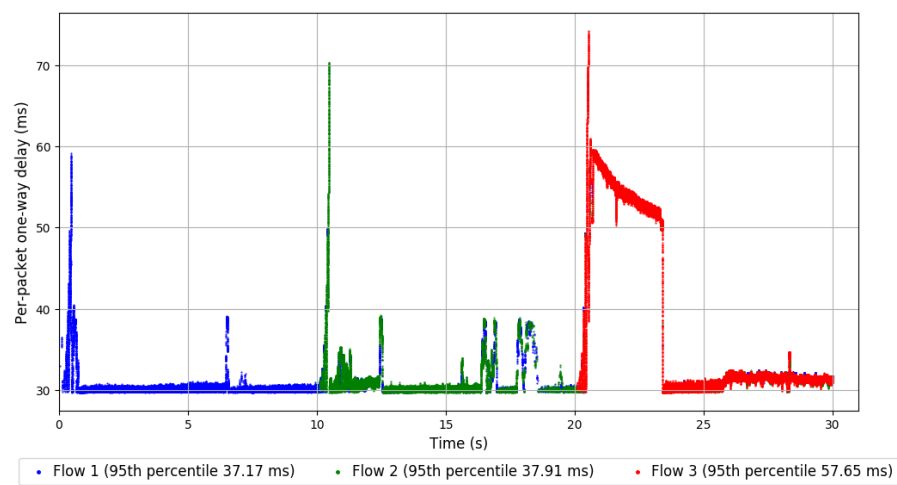
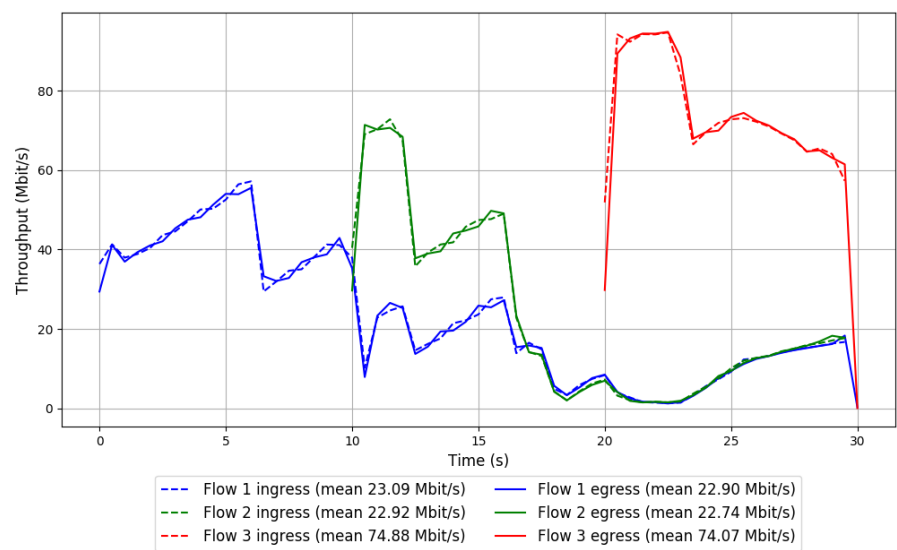


Run 10: Statistics of TCP Vegas

Start at: 2018-03-13 22:33:08
End at: 2018-03-13 22:33:38
Local clock offset: 0.921 ms
Remote clock offset: -1.244 ms

Below is generated by plot.py at 2018-03-13 23:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.65 Mbit/s
95th percentile per-packet one-way delay: 55.607 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 22.90 Mbit/s
95th percentile per-packet one-way delay: 37.167 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 37.907 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 74.07 Mbit/s
95th percentile per-packet one-way delay: 57.649 ms
Loss rate: 1.08%

Run 10: Report of TCP Vegas — Data Link

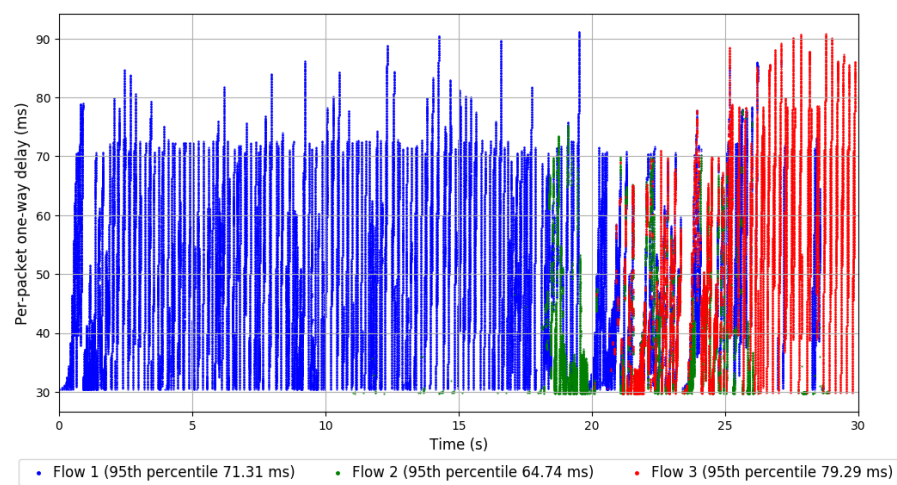
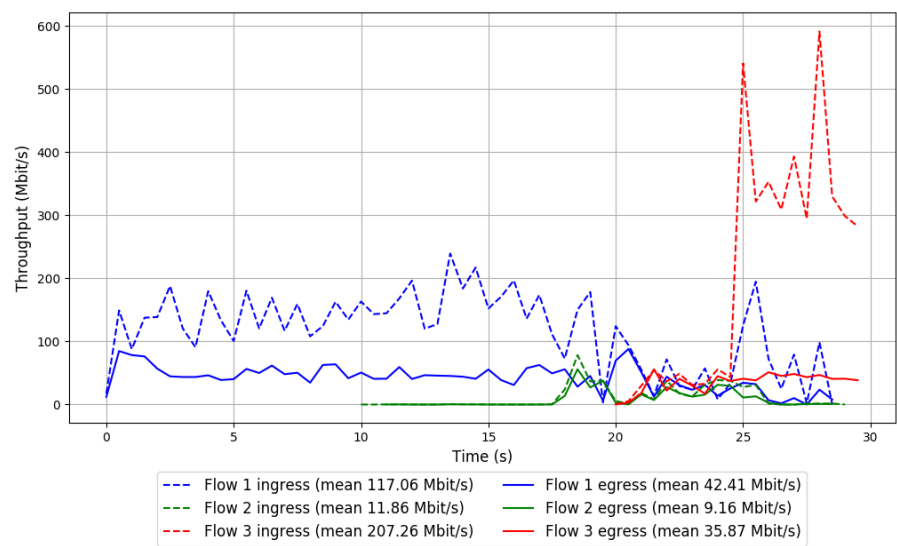


Run 1: Statistics of Verus

Start at: 2018-03-13 18:27:51
End at: 2018-03-13 18:28:21
Local clock offset: 1.722 ms
Remote clock offset: -0.452 ms

Below is generated by plot.py at 2018-03-13 23:16:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.97 Mbit/s
95th percentile per-packet one-way delay: 72.416 ms
Loss rate: 69.35%
-- Flow 1:
Average throughput: 42.41 Mbit/s
95th percentile per-packet one-way delay: 71.308 ms
Loss rate: 64.18%
-- Flow 2:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 64.739 ms
Loss rate: 28.09%
-- Flow 3:
Average throughput: 35.87 Mbit/s
95th percentile per-packet one-way delay: 79.286 ms
Loss rate: 82.63%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-03-13 18:52:30

End at: 2018-03-13 18:53:00

Local clock offset: 1.18 ms

Remote clock offset: -1.06 ms

Below is generated by plot.py at 2018-03-13 23:16:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.10 Mbit/s

95th percentile per-packet one-way delay: 66.550 ms

Loss rate: 25.41%

-- Flow 1:

Average throughput: 36.05 Mbit/s

95th percentile per-packet one-way delay: 66.863 ms

Loss rate: 24.75%

-- Flow 2:

Average throughput: 32.46 Mbit/s

95th percentile per-packet one-way delay: 66.318 ms

Loss rate: 25.03%

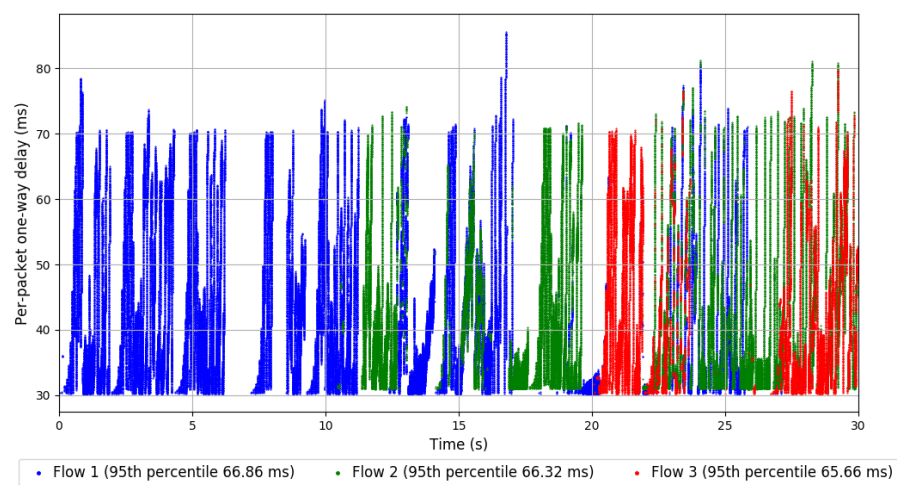
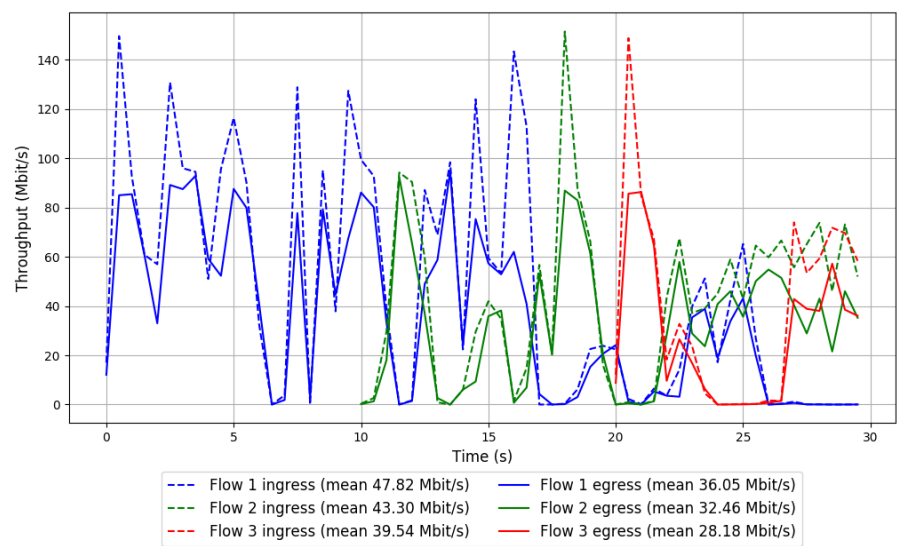
-- Flow 3:

Average throughput: 28.18 Mbit/s

95th percentile per-packet one-way delay: 65.659 ms

Loss rate: 28.60%

Run 2: Report of Verus — Data Link

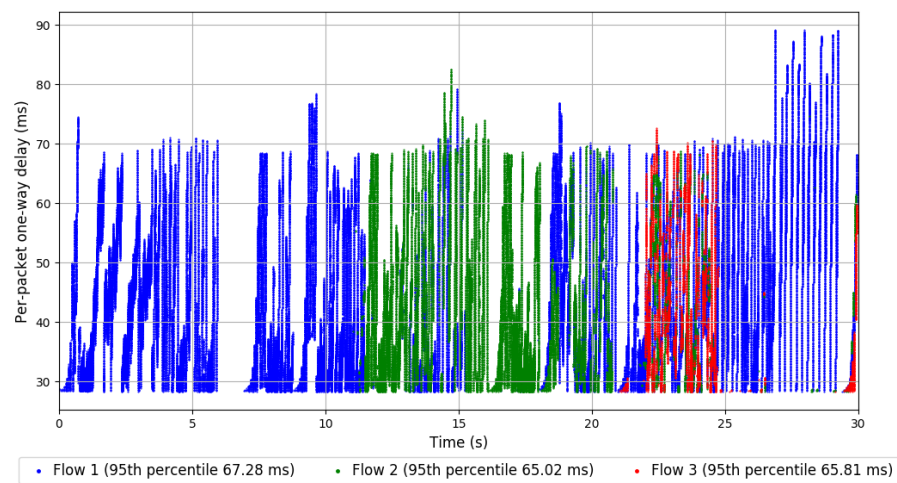
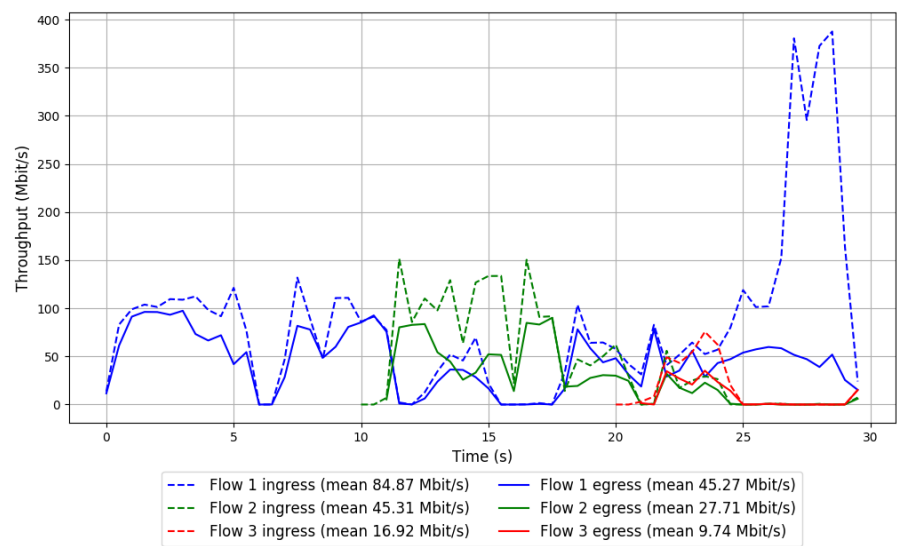


Run 3: Statistics of Verus

Start at: 2018-03-13 19:17:23
End at: 2018-03-13 19:17:53
Local clock offset: 0.845 ms
Remote clock offset: -4.179 ms

Below is generated by plot.py at 2018-03-13 23:16:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.61 Mbit/s
95th percentile per-packet one-way delay: 66.522 ms
Loss rate: 45.57%
-- Flow 1:
Average throughput: 45.27 Mbit/s
95th percentile per-packet one-way delay: 67.282 ms
Loss rate: 46.64%
-- Flow 2:
Average throughput: 27.71 Mbit/s
95th percentile per-packet one-way delay: 65.016 ms
Loss rate: 42.08%
-- Flow 3:
Average throughput: 9.74 Mbit/s
95th percentile per-packet one-way delay: 65.812 ms
Loss rate: 48.12%

Run 3: Report of Verus — Data Link

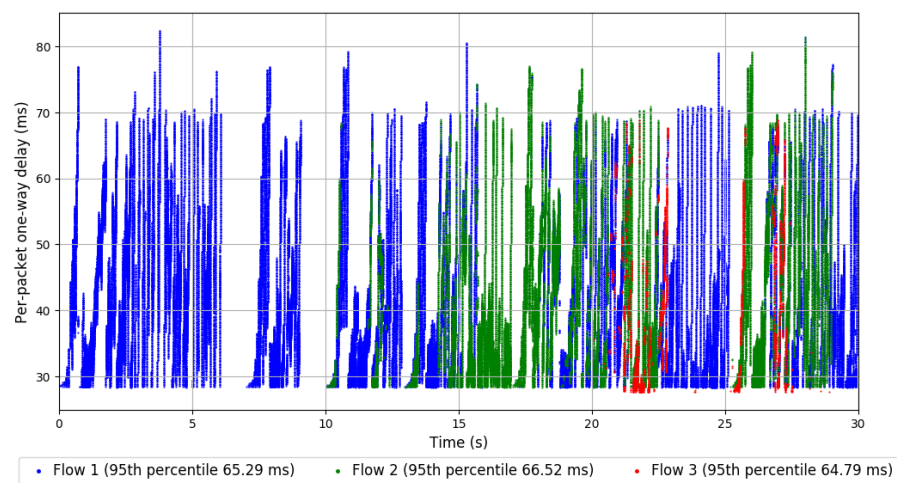
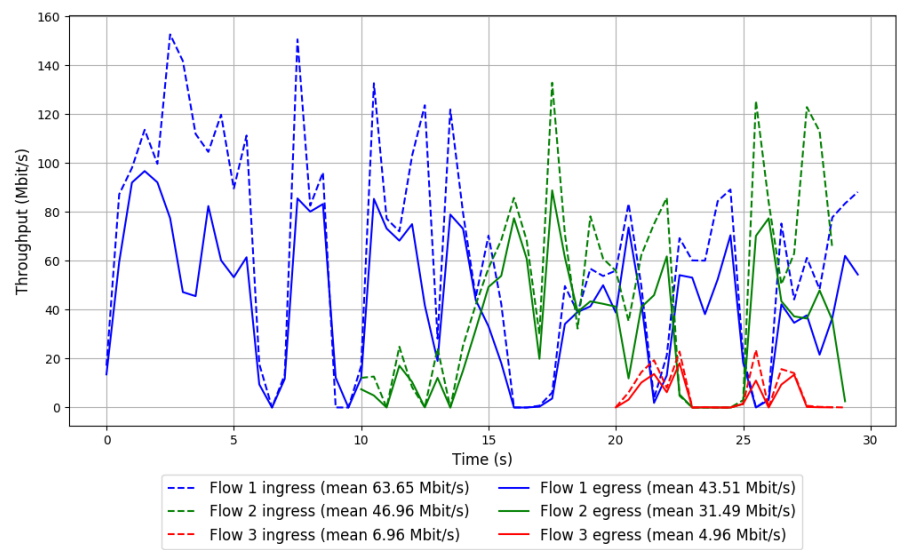


Run 4: Statistics of Verus

Start at: 2018-03-13 19:42:05
End at: 2018-03-13 19:42:35
Local clock offset: 0.883 ms
Remote clock offset: -3.223 ms

Below is generated by plot.py at 2018-03-13 23:16:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 65.591 ms
Loss rate: 31.99%
-- Flow 1:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 65.286 ms
Loss rate: 31.60%
-- Flow 2:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 66.519 ms
Loss rate: 32.86%
-- Flow 3:
Average throughput: 4.96 Mbit/s
95th percentile per-packet one-way delay: 64.792 ms
Loss rate: 31.36%

Run 4: Report of Verus — Data Link

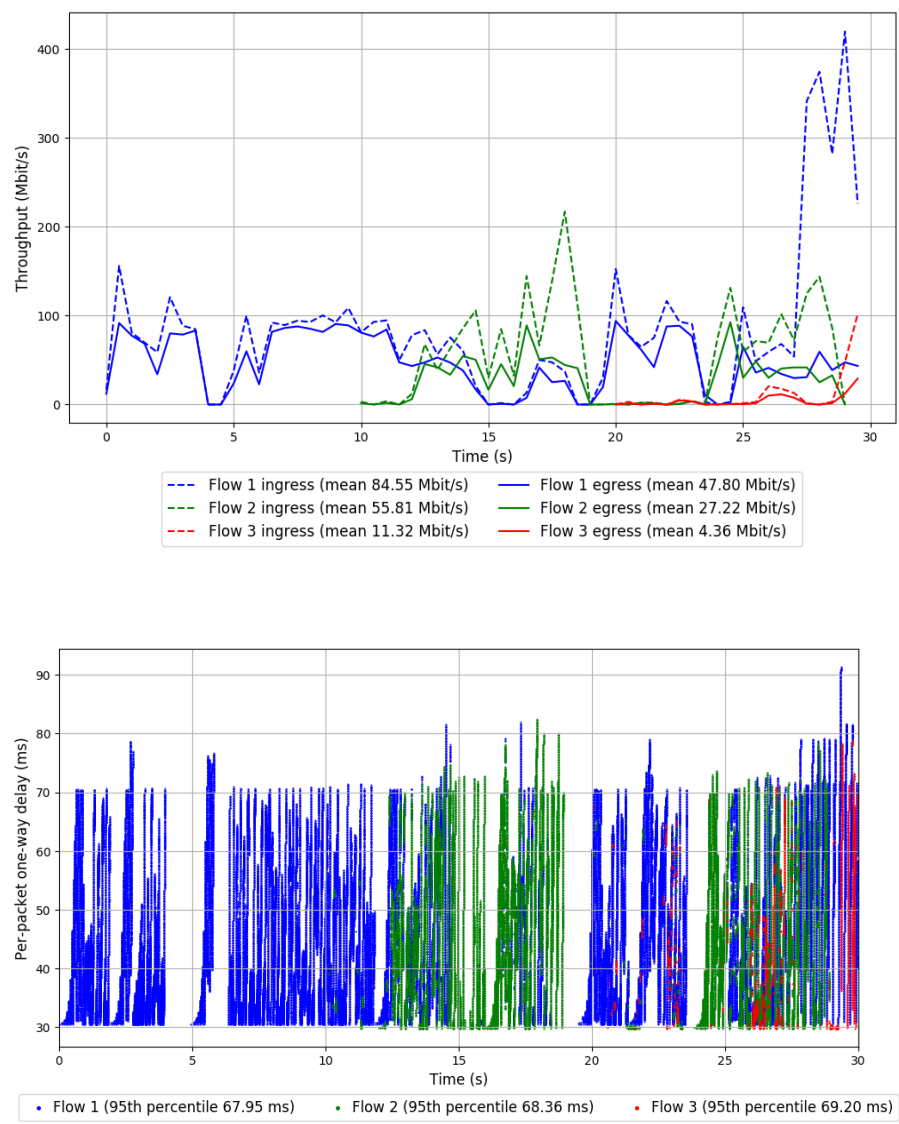


Run 5: Statistics of Verus

Start at: 2018-03-13 20:06:41
End at: 2018-03-13 20:07:11
Local clock offset: 0.742 ms
Remote clock offset: -2.195 ms

Below is generated by plot.py at 2018-03-13 23:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.45 Mbit/s
95th percentile per-packet one-way delay: 68.097 ms
Loss rate: 46.49%
-- Flow 1:
Average throughput: 47.80 Mbit/s
95th percentile per-packet one-way delay: 67.947 ms
Loss rate: 43.44%
-- Flow 2:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 68.363 ms
Loss rate: 52.09%
-- Flow 3:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 69.199 ms
Loss rate: 61.48%

Run 5: Report of Verus — Data Link

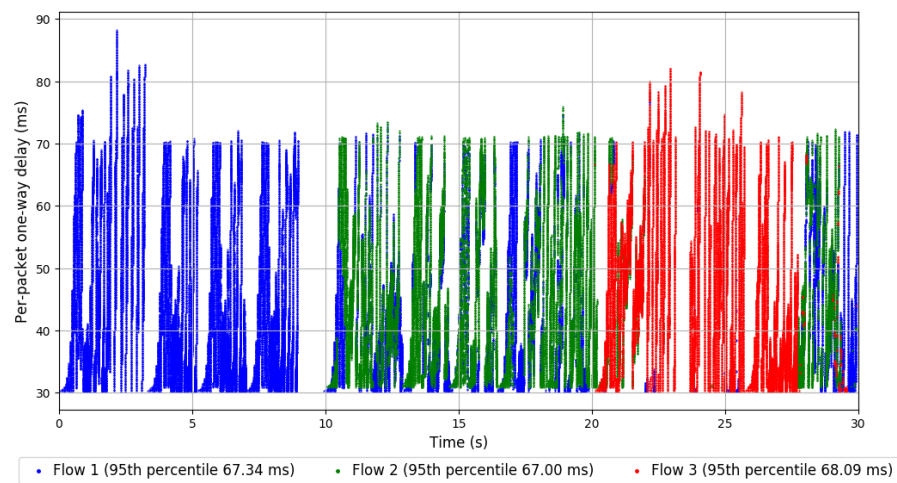
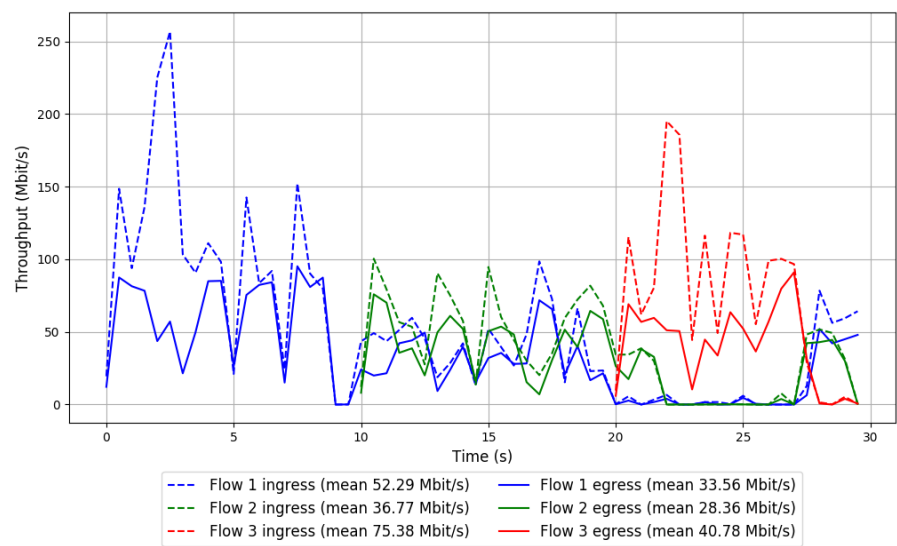


Run 6: Statistics of Verus

Start at: 2018-03-13 20:31:18
End at: 2018-03-13 20:31:48
Local clock offset: 1.091 ms
Remote clock offset: -1.649 ms

Below is generated by plot.py at 2018-03-13 23:16:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.75 Mbit/s
95th percentile per-packet one-way delay: 67.387 ms
Loss rate: 35.17%
-- Flow 1:
Average throughput: 33.56 Mbit/s
95th percentile per-packet one-way delay: 67.337 ms
Loss rate: 35.79%
-- Flow 2:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 66.996 ms
Loss rate: 22.85%
-- Flow 3:
Average throughput: 40.78 Mbit/s
95th percentile per-packet one-way delay: 68.095 ms
Loss rate: 46.02%

Run 6: Report of Verus — Data Link

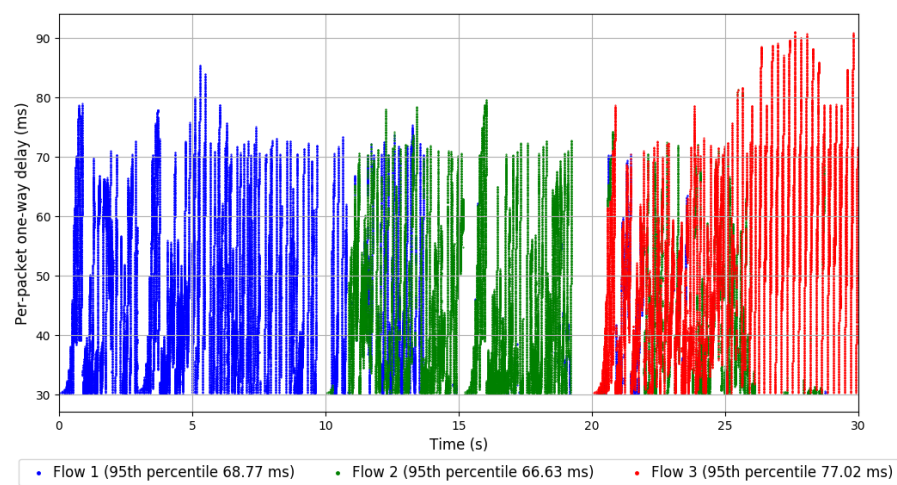
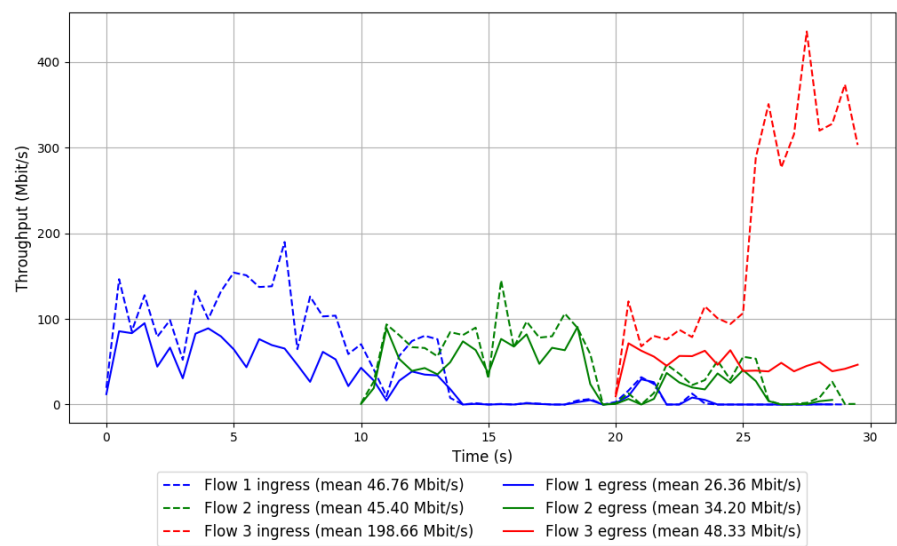


Run 7: Statistics of Verus

Start at: 2018-03-13 20:56:15
End at: 2018-03-13 20:56:45
Local clock offset: 1.113 ms
Remote clock offset: -1.68 ms

Below is generated by plot.py at 2018-03-13 23:16:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.68 Mbit/s
95th percentile per-packet one-way delay: 69.822 ms
Loss rate: 55.55%
-- Flow 1:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 68.769 ms
Loss rate: 44.25%
-- Flow 2:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 66.633 ms
Loss rate: 28.74%
-- Flow 3:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 77.018 ms
Loss rate: 75.62%

Run 7: Report of Verus — Data Link

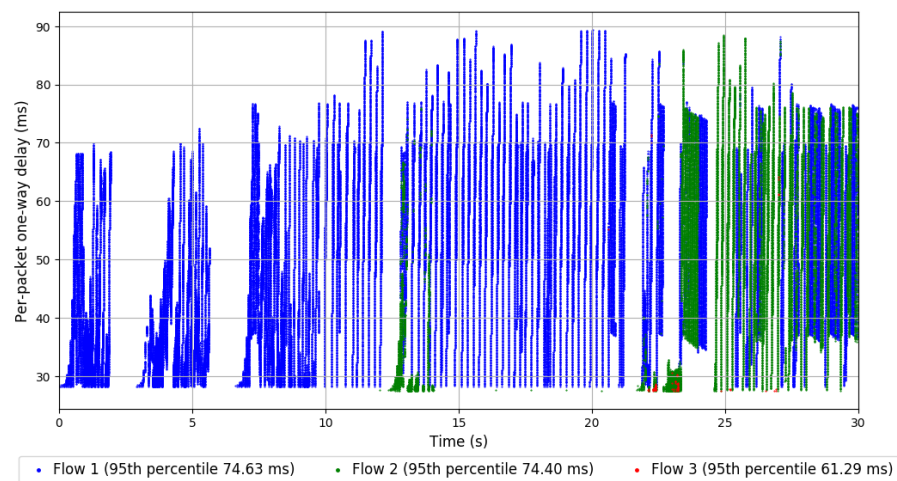
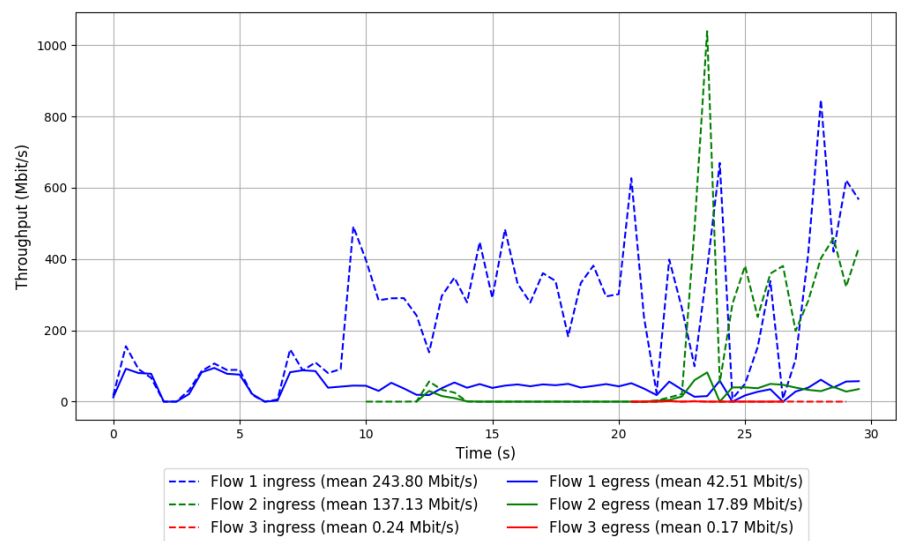


Run 8: Statistics of Verus

Start at: 2018-03-13 21:21:18
End at: 2018-03-13 21:21:48
Local clock offset: 0.79 ms
Remote clock offset: -4.004 ms

Below is generated by plot.py at 2018-03-13 23:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.25 Mbit/s
95th percentile per-packet one-way delay: 74.563 ms
Loss rate: 84.09%
-- Flow 1:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 74.626 ms
Loss rate: 82.55%
-- Flow 2:
Average throughput: 17.89 Mbit/s
95th percentile per-packet one-way delay: 74.402 ms
Loss rate: 88.24%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 61.293 ms
Loss rate: 48.07%

Run 8: Report of Verus — Data Link

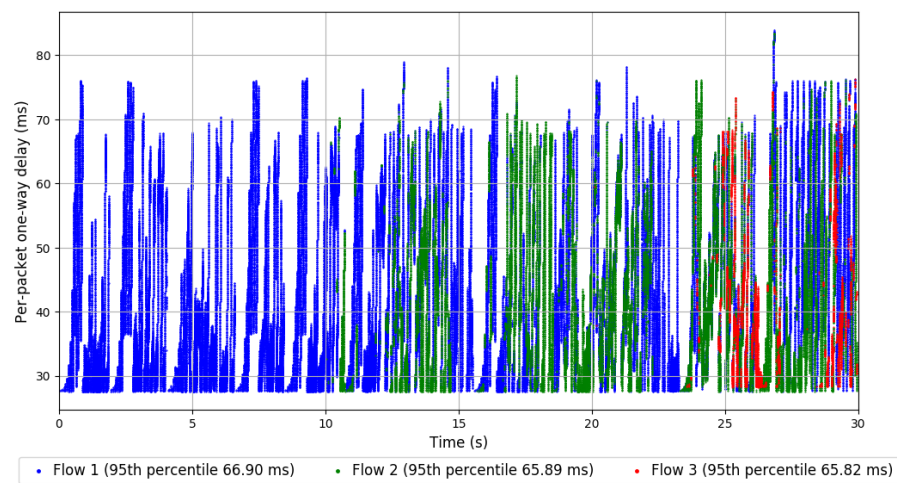
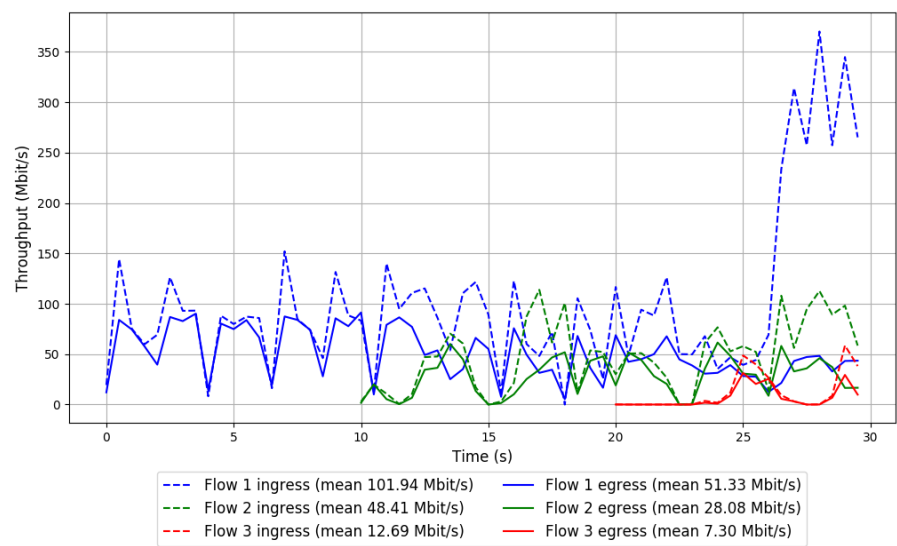


Run 9: Statistics of Verus

Start at: 2018-03-13 21:46:42
End at: 2018-03-13 21:47:12
Local clock offset: 0.875 ms
Remote clock offset: -4.746 ms

Below is generated by plot.py at 2018-03-13 23:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.29 Mbit/s
95th percentile per-packet one-way delay: 66.598 ms
Loss rate: 47.61%
-- Flow 1:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 66.899 ms
Loss rate: 49.59%
-- Flow 2:
Average throughput: 28.08 Mbit/s
95th percentile per-packet one-way delay: 65.890 ms
Loss rate: 41.98%
-- Flow 3:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 65.821 ms
Loss rate: 42.63%

Run 9: Report of Verus — Data Link

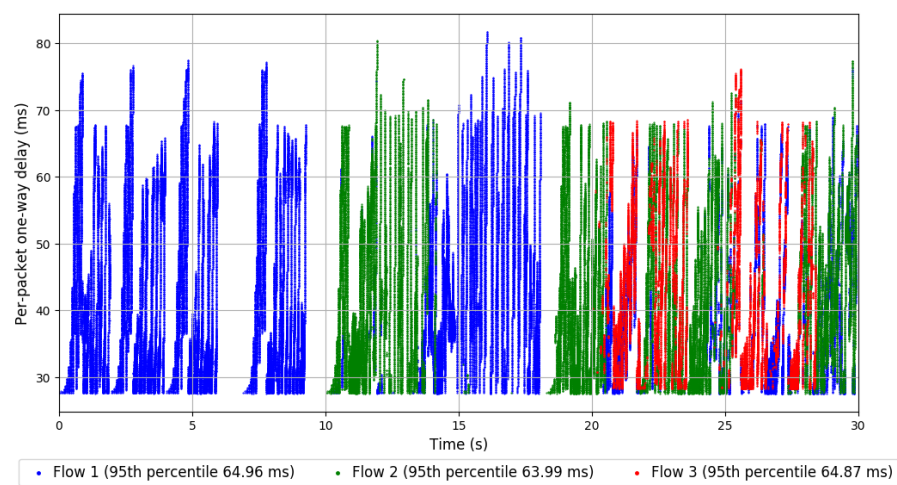
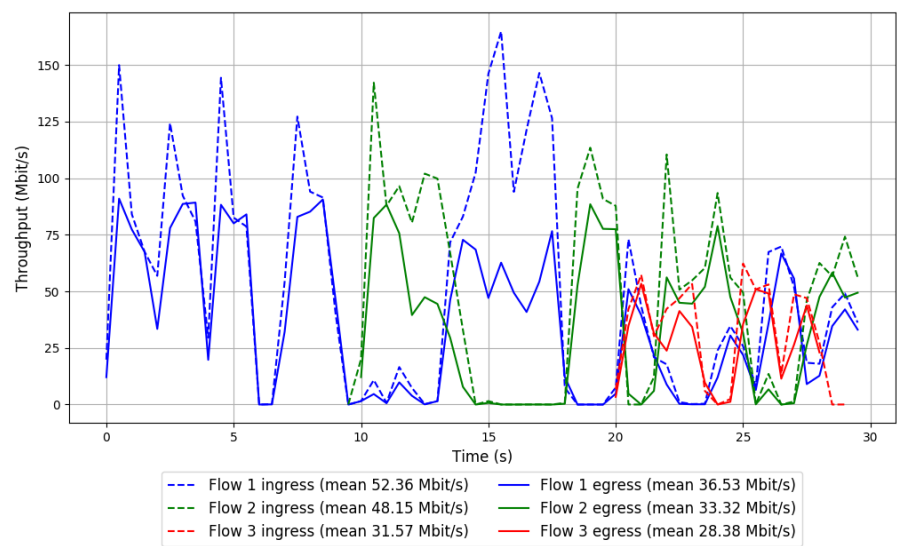


Run 10: Statistics of Verus

Start at: 2018-03-13 22:13:07
End at: 2018-03-13 22:13:37
Local clock offset: 0.878 ms
Remote clock offset: -4.215 ms

Below is generated by plot.py at 2018-03-13 23:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 64.618 ms
Loss rate: 29.30%
-- Flow 1:
Average throughput: 36.53 Mbit/s
95th percentile per-packet one-way delay: 64.957 ms
Loss rate: 30.19%
-- Flow 2:
Average throughput: 33.32 Mbit/s
95th percentile per-packet one-way delay: 63.986 ms
Loss rate: 30.76%
-- Flow 3:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 64.868 ms
Loss rate: 19.80%

Run 10: Report of Verus — Data Link

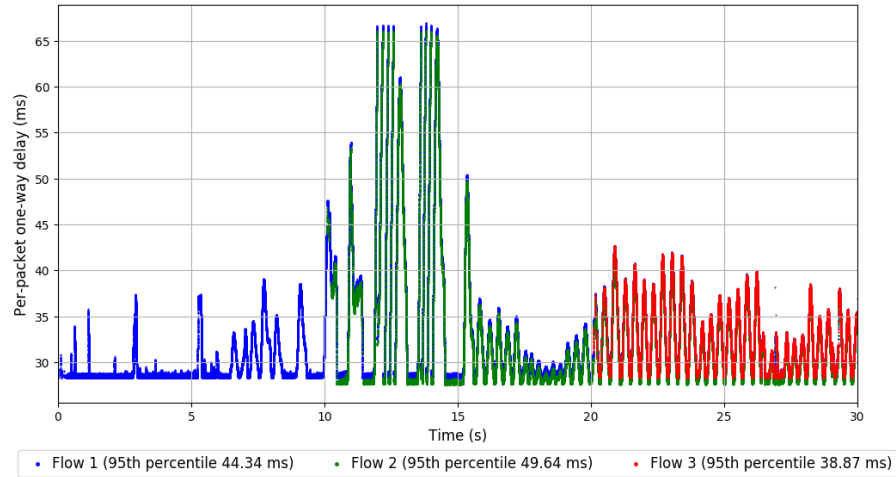
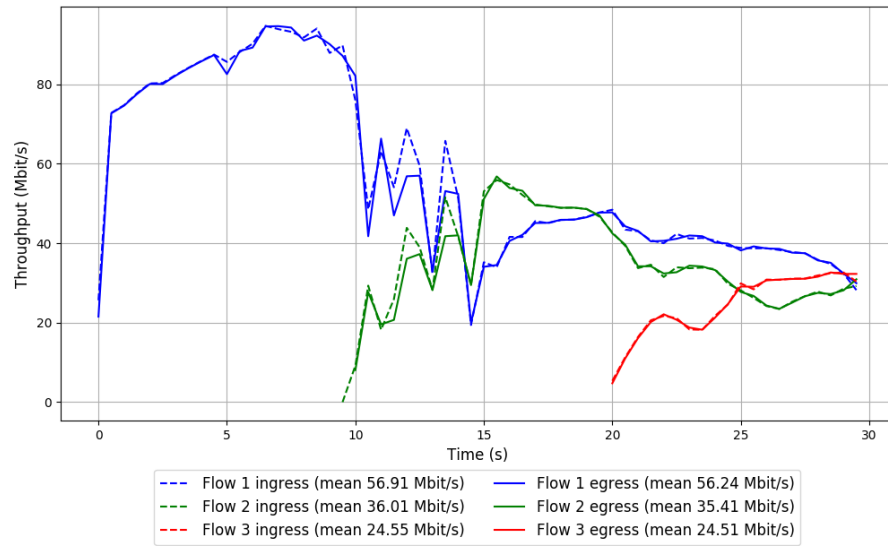


Run 1: Statistics of Copa

Start at: 2018-03-13 18:38:44
End at: 2018-03-13 18:39:14
Local clock offset: 1.844 ms
Remote clock offset: -2.487 ms

Below is generated by plot.py at 2018-03-13 23:18:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 44.852 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 44.342 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 49.639 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 38.869 ms
Loss rate: 0.09%

Run 1: Report of Copa — Data Link

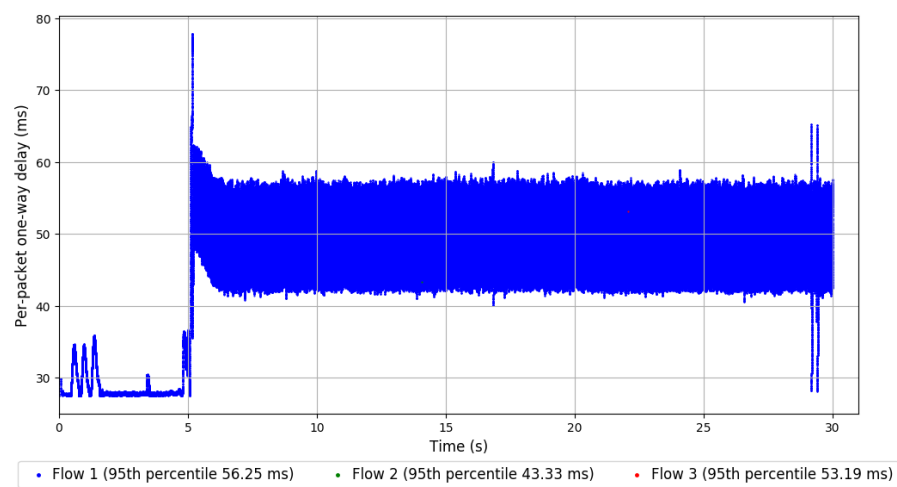
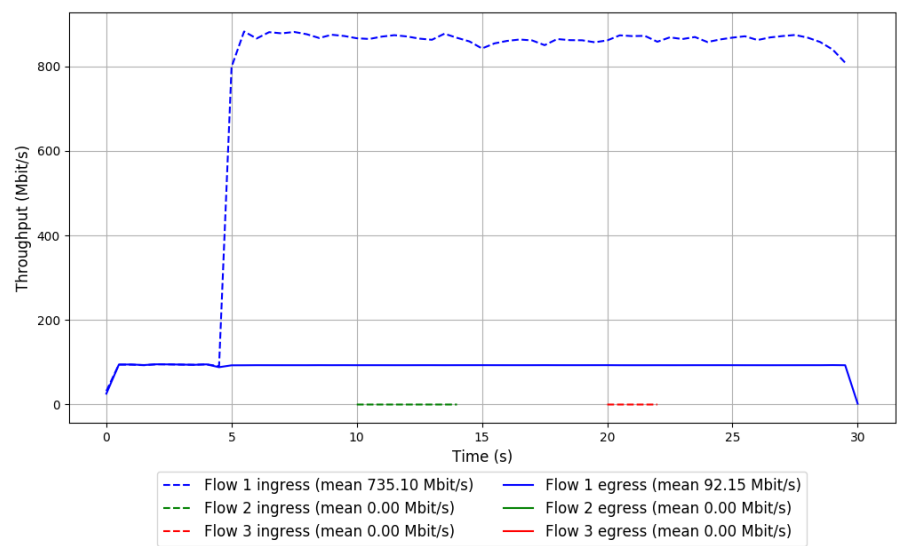


Run 2: Statistics of Copa

Start at: 2018-03-13 19:03:22
End at: 2018-03-13 19:03:52
Local clock offset: 1.005 ms
Remote clock offset: -4.215 ms

```
# Below is generated by plot.py at 2018-03-13 23:24:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 56.253 ms
Loss rate: 87.46%
-- Flow 1:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 56.253 ms
Loss rate: 87.46%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 43.333 ms
Loss rate: 66.67%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 53.192 ms
Loss rate: 50.00%
```

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-03-13 19:28:16

End at: 2018-03-13 19:28:46

Local clock offset: 0.985 ms

Remote clock offset: -0.92 ms

Below is generated by plot.py at 2018-03-13 23:24:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.78 Mbit/s

95th percentile per-packet one-way delay: 39.999 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 51.35 Mbit/s

95th percentile per-packet one-way delay: 39.379 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 41.17 Mbit/s

95th percentile per-packet one-way delay: 40.721 ms

Loss rate: 0.19%

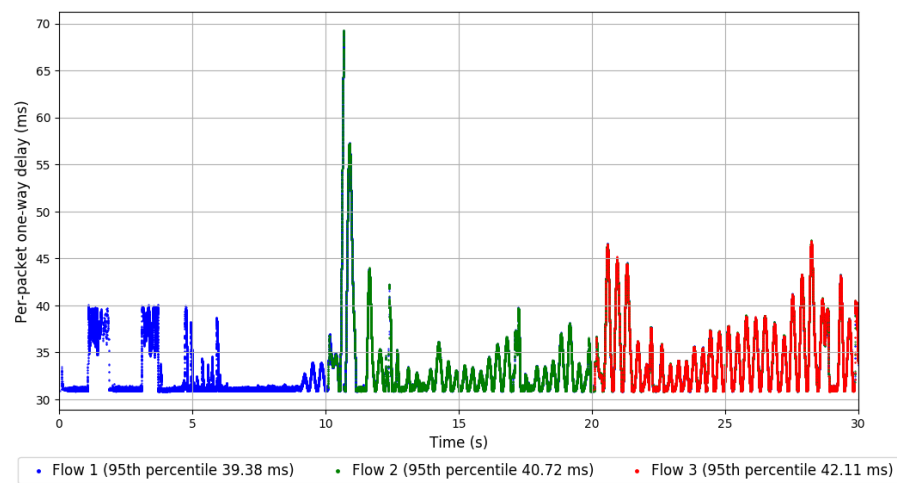
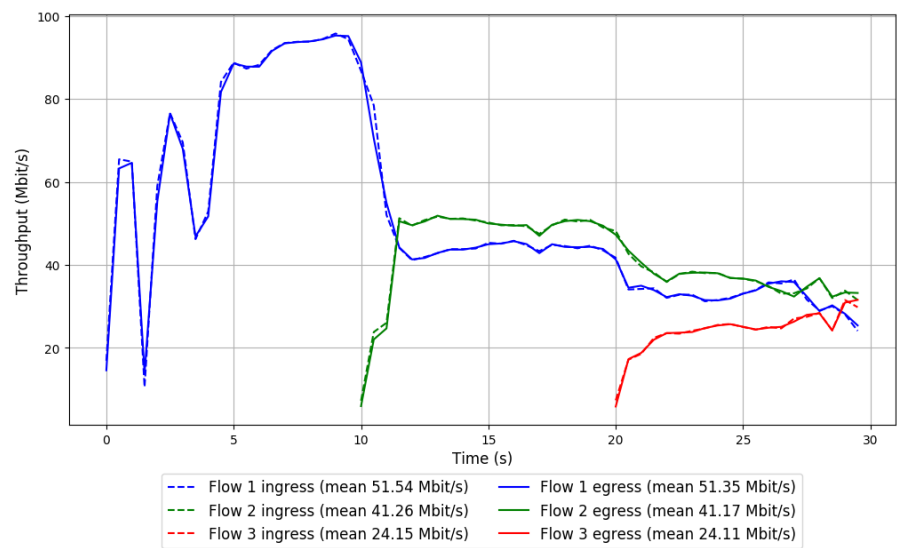
-- Flow 3:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 42.114 ms

Loss rate: 0.15%

Run 3: Report of Copa — Data Link

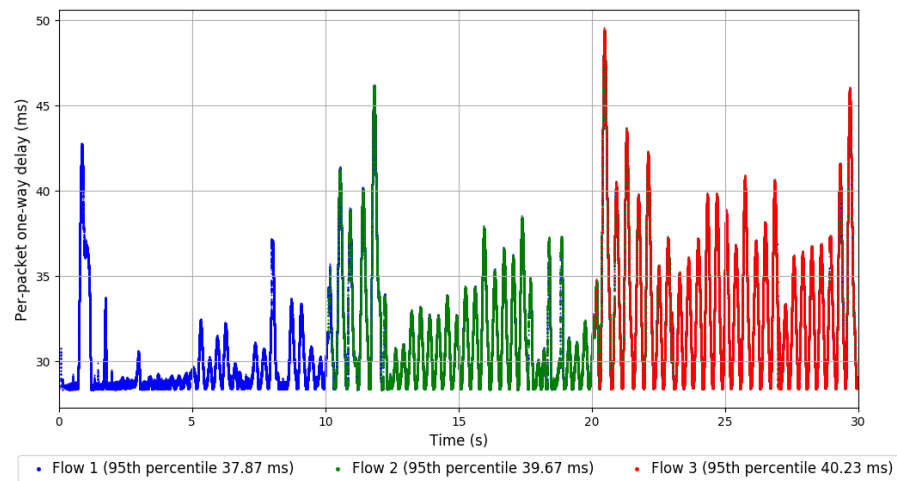
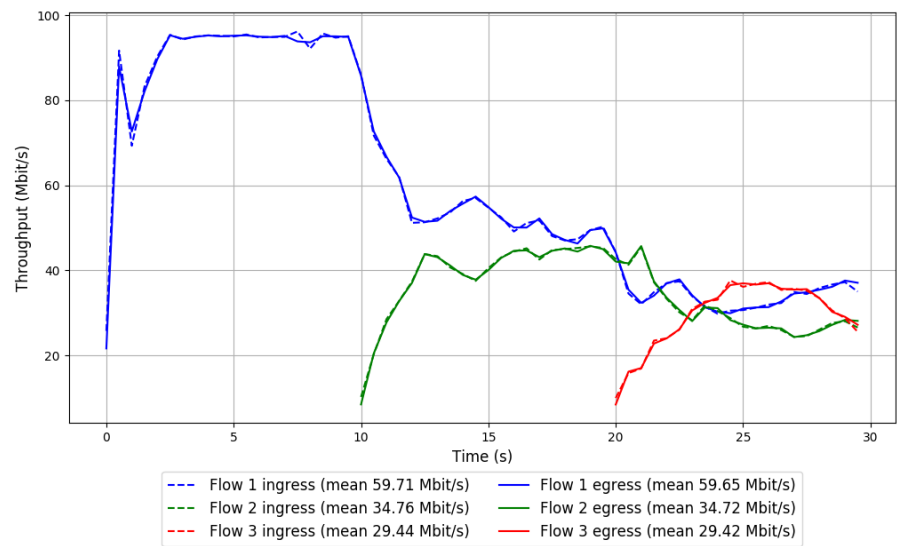


Run 4: Statistics of Copa

Start at: 2018-03-13 19:52:59
End at: 2018-03-13 19:53:29
Local clock offset: 0.79 ms
Remote clock offset: -3.637 ms

Below is generated by plot.py at 2018-03-13 23:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 38.945 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 37.873 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.72 Mbit/s
95th percentile per-packet one-way delay: 39.669 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 40.229 ms
Loss rate: 0.09%

Run 4: Report of Copa — Data Link

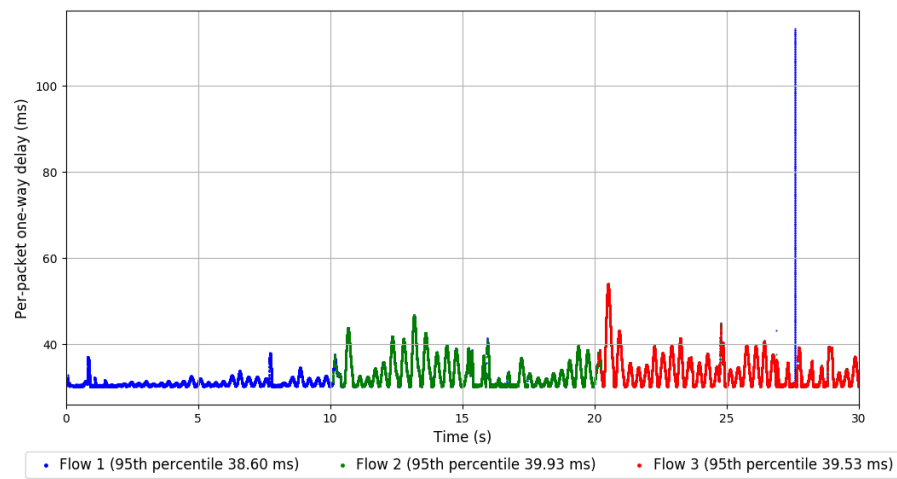
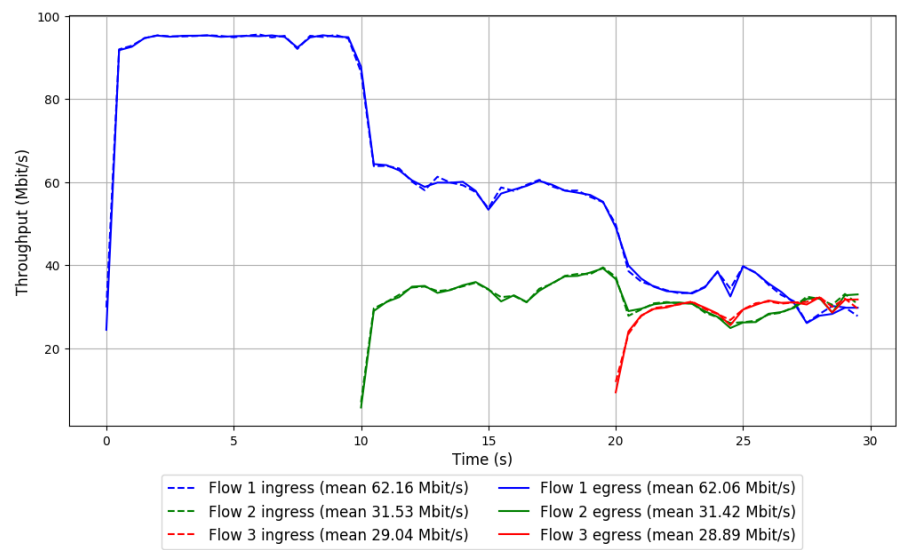


Run 5: Statistics of Copa

Start at: 2018-03-13 20:17:35
End at: 2018-03-13 20:18:05
Local clock offset: 0.722 ms
Remote clock offset: -1.946 ms

```
# Below is generated by plot.py at 2018-03-13 23:24:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 39.121 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 62.06 Mbit/s
95th percentile per-packet one-way delay: 38.601 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 39.927 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 39.533 ms
Loss rate: 0.55%
```

Run 5: Report of Copa — Data Link

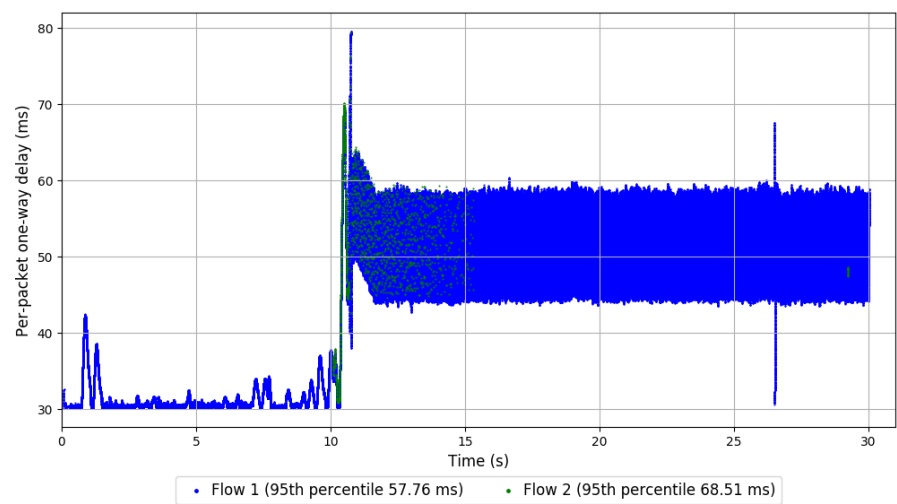
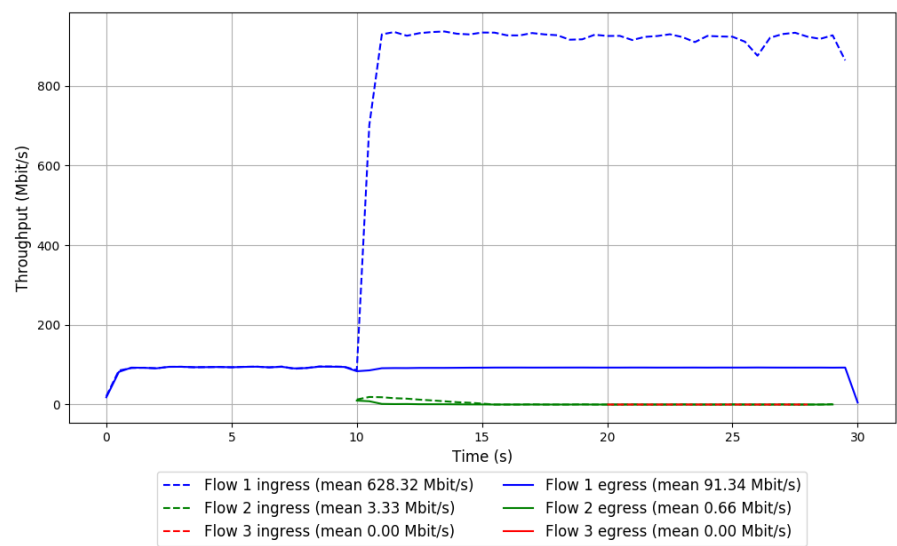


Run 6: Statistics of Copa

Start at: 2018-03-13 20:42:16
End at: 2018-03-13 20:42:46
Local clock offset: 1.2 ms
Remote clock offset: -1.619 ms

Below is generated by plot.py at 2018-03-13 23:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 57.771 ms
Loss rate: 85.43%
-- Flow 1:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 57.756 ms
Loss rate: 85.45%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 68.510 ms
Loss rate: 80.23%
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 6: Report of Copa — Data Link

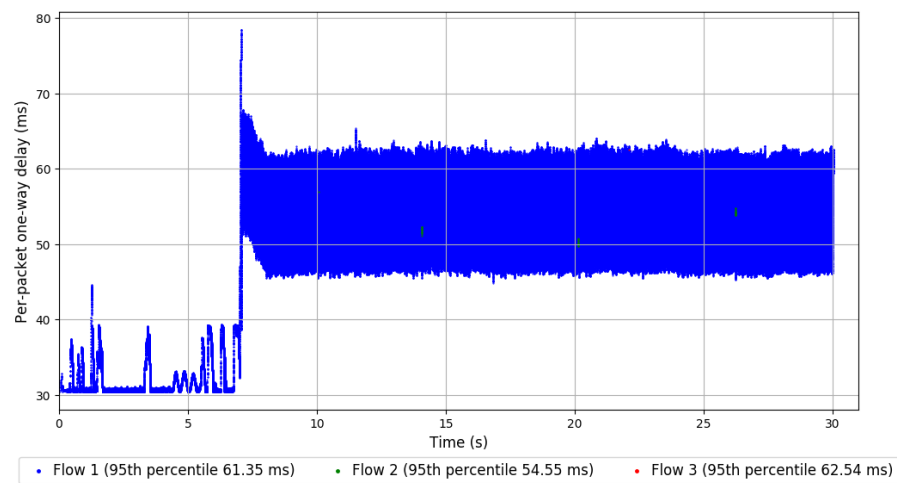
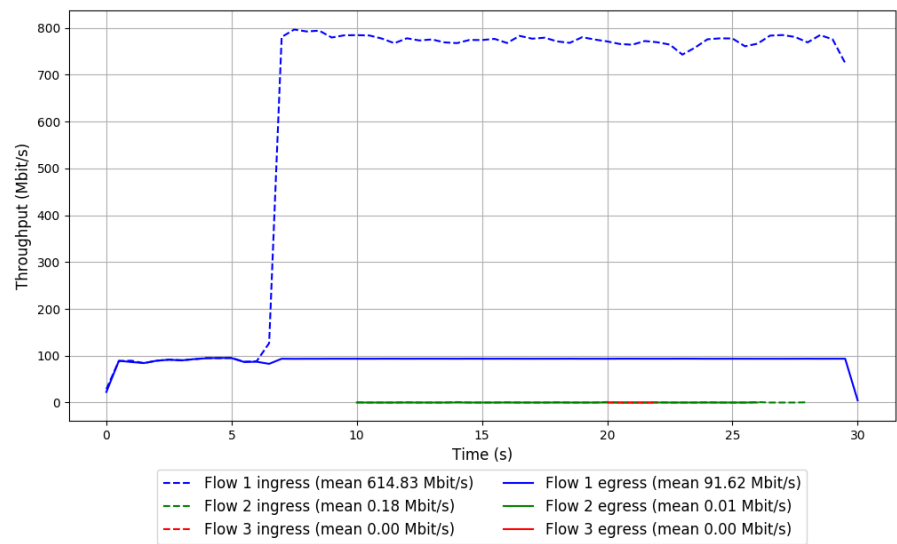


Run 7: Statistics of Copa

Start at: 2018-03-13 21:07:18
End at: 2018-03-13 21:07:48
Local clock offset: 0.902 ms
Remote clock offset: -1.873 ms

Below is generated by plot.py at 2018-03-13 23:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 61.352 ms
Loss rate: 85.09%
-- Flow 1:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 61.352 ms
Loss rate: 85.08%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 54.546 ms
Loss rate: 95.28%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 62.543 ms
Loss rate: 50.00%

Run 7: Report of Copa — Data Link

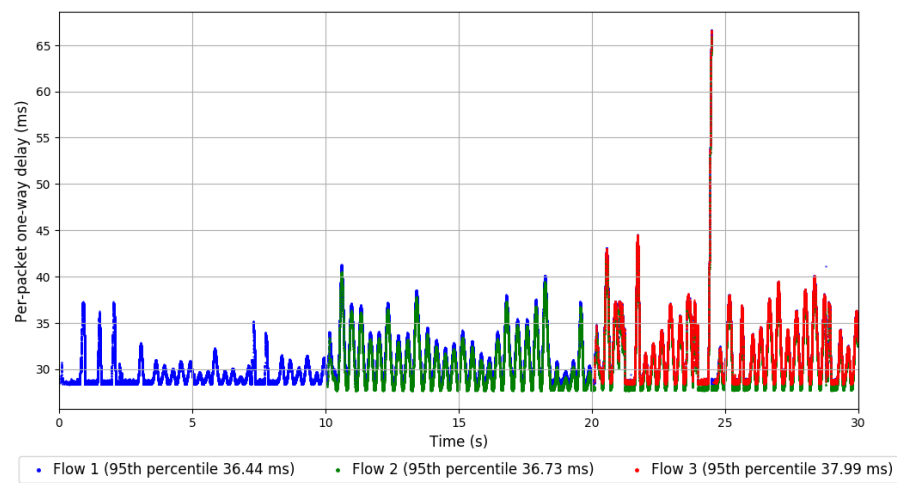
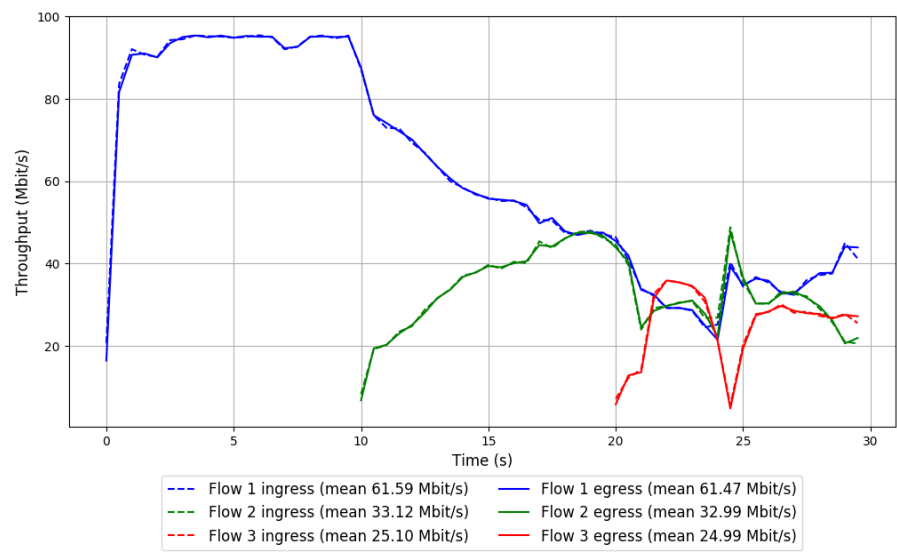


Run 8: Statistics of Copa

Start at: 2018-03-13 21:32:27
End at: 2018-03-13 21:32:57
Local clock offset: 0.704 ms
Remote clock offset: -4.087 ms

```
# Below is generated by plot.py at 2018-03-13 23:24:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 36.748 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 61.47 Mbit/s
95th percentile per-packet one-way delay: 36.444 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 36.731 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 24.99 Mbit/s
95th percentile per-packet one-way delay: 37.988 ms
Loss rate: 0.37%
```

Run 8: Report of Copa — Data Link

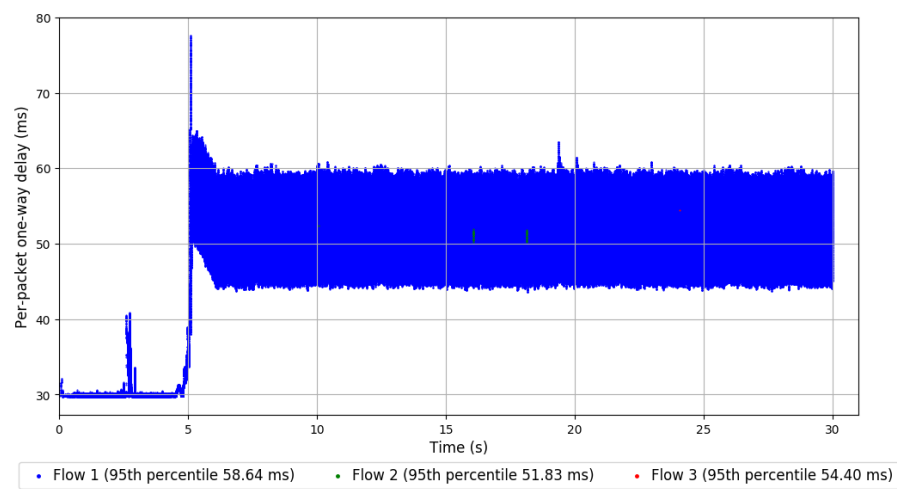
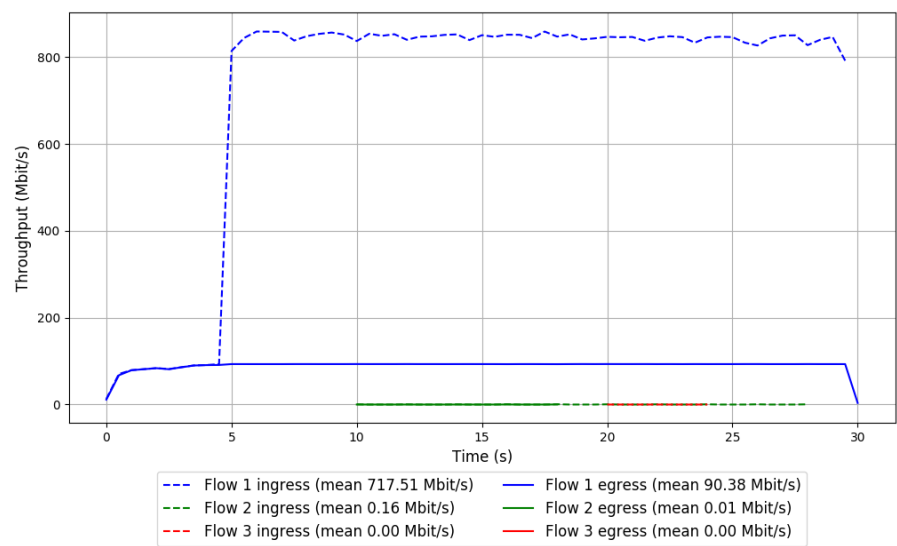


Run 9: Statistics of Copa

Start at: 2018-03-13 21:58:17
End at: 2018-03-13 21:58:47
Local clock offset: 0.874 ms
Remote clock offset: -2.839 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 58.641 ms
Loss rate: 87.39%
-- Flow 1:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 58.641 ms
Loss rate: 87.39%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 51.827 ms
Loss rate: 96.18%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 54.400 ms
Loss rate: 66.67%

Run 9: Report of Copa — Data Link

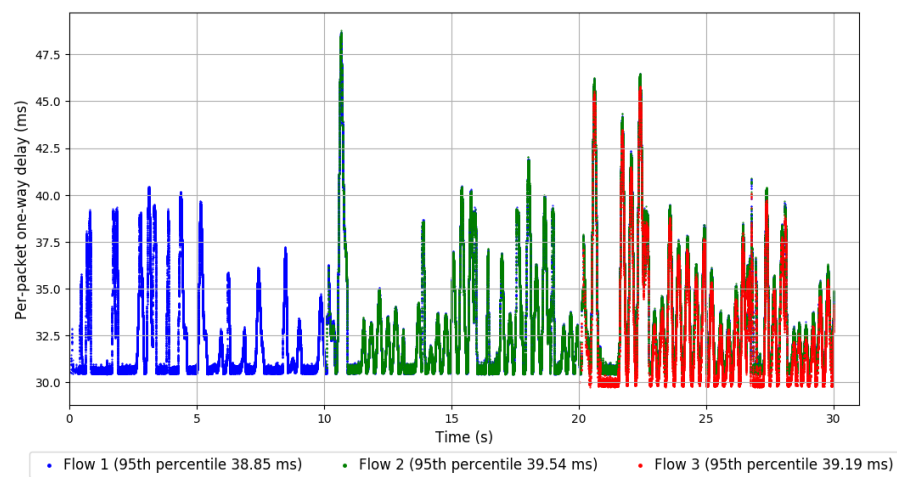
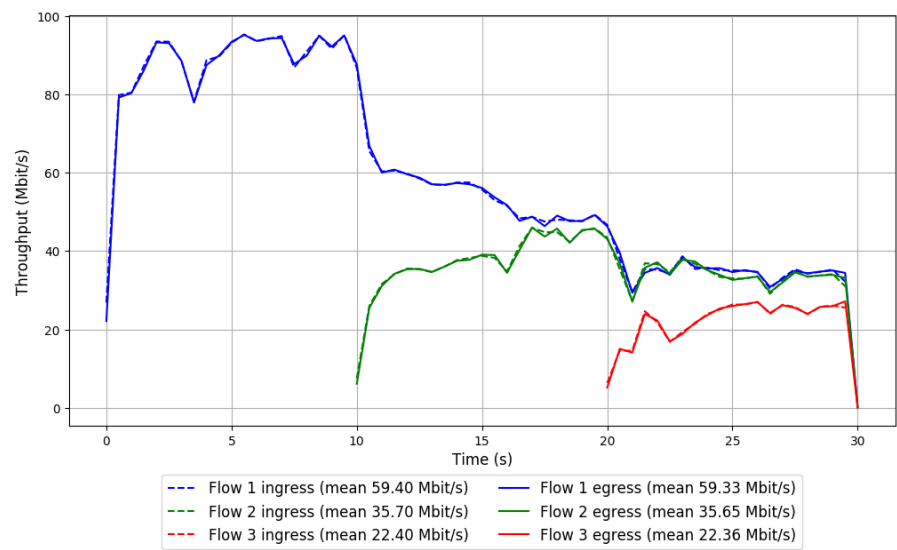


Run 10: Statistics of Copa

Start at: 2018-03-13 22:24:41
End at: 2018-03-13 22:25:11
Local clock offset: 0.798 ms
Remote clock offset: -1.558 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 38.980 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.33 Mbit/s
95th percentile per-packet one-way delay: 38.850 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.65 Mbit/s
95th percentile per-packet one-way delay: 39.536 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: 39.190 ms
Loss rate: 0.12%

Run 10: Report of Copa — Data Link

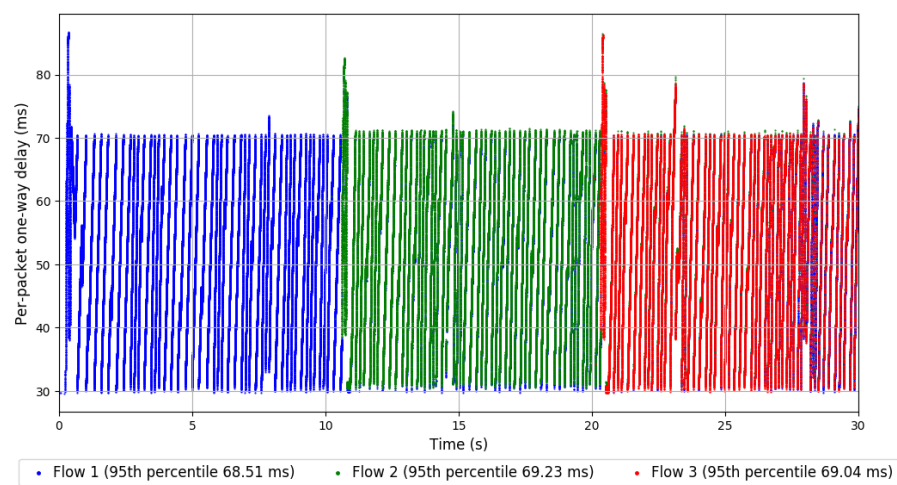
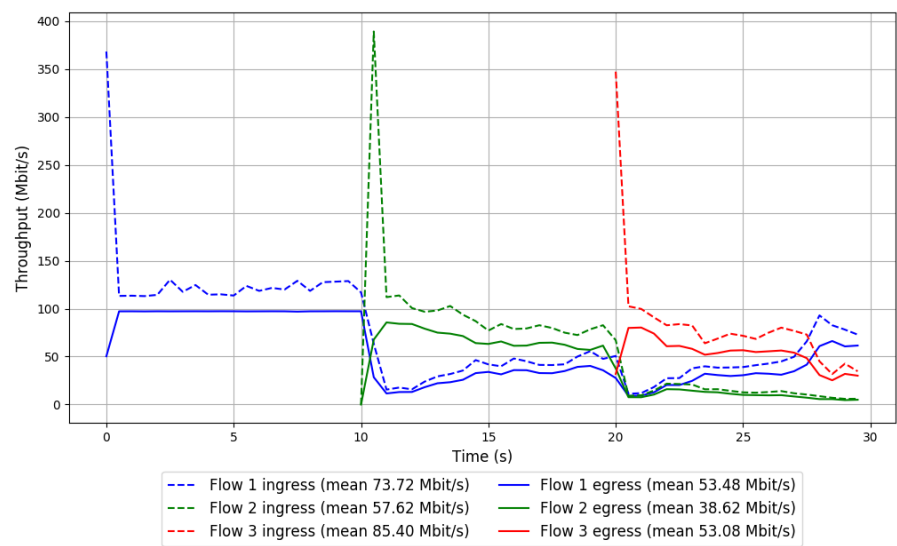


Run 1: Statistics of FillP

Start at: 2018-03-13 18:44:11
End at: 2018-03-13 18:44:41
Local clock offset: 1.5 ms
Remote clock offset: -0.889 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 68.784 ms
Loss rate: 31.20%
-- Flow 1:
Average throughput: 53.48 Mbit/s
95th percentile per-packet one-way delay: 68.510 ms
Loss rate: 27.41%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 69.231 ms
Loss rate: 33.51%
-- Flow 3:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: 69.039 ms
Loss rate: 37.93%

Run 1: Report of FillP — Data Link

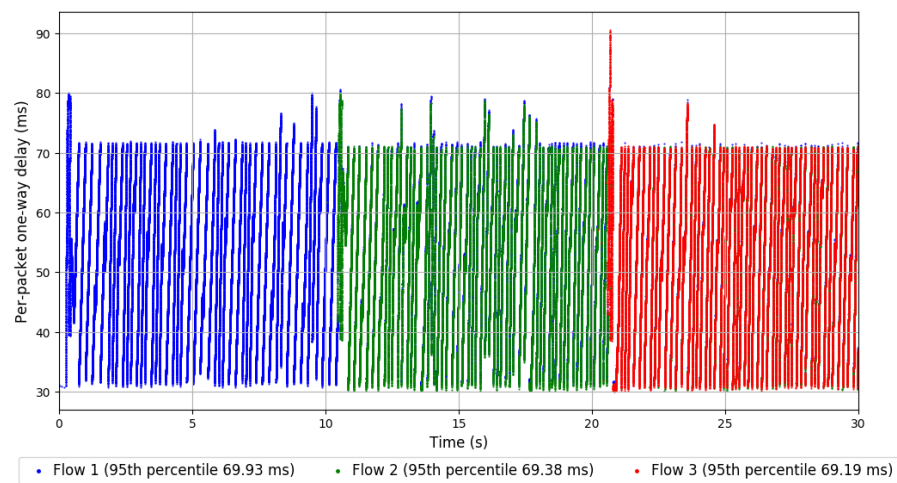
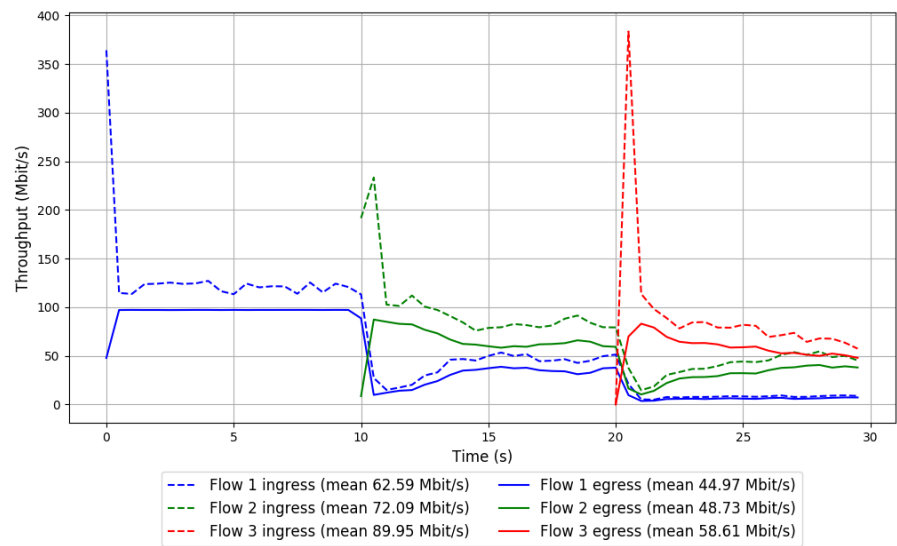


Run 2: Statistics of FillP

Start at: 2018-03-13 19:09:04
End at: 2018-03-13 19:09:34
Local clock offset: 0.919 ms
Remote clock offset: -1.707 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 69.605 ms
Loss rate: 31.29%
-- Flow 1:
Average throughput: 44.97 Mbit/s
95th percentile per-packet one-way delay: 69.934 ms
Loss rate: 28.15%
-- Flow 2:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 69.375 ms
Loss rate: 32.49%
-- Flow 3:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 69.189 ms
Loss rate: 35.97%

Run 2: Report of FillP — Data Link

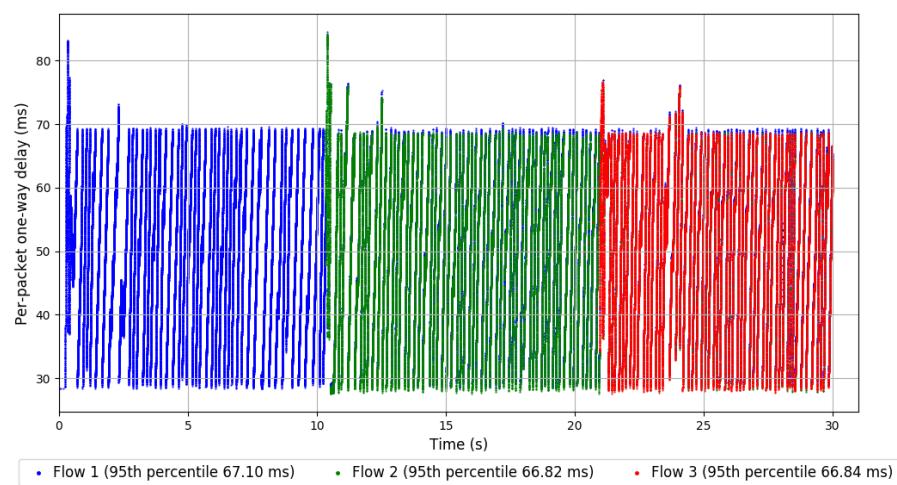
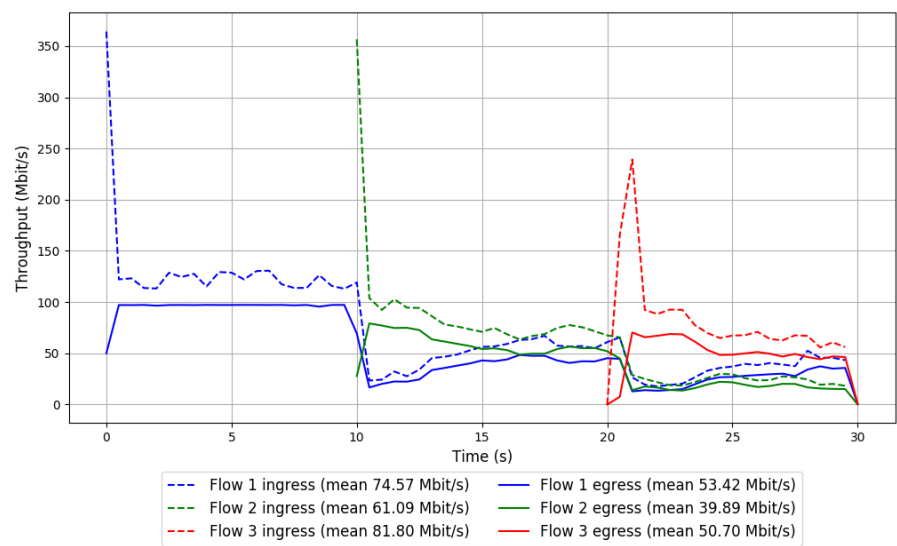


Run 3: Statistics of FillP

Start at: 2018-03-13 19:33:42
End at: 2018-03-13 19:34:12
Local clock offset: 0.969 ms
Remote clock offset: -3.272 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 66.981 ms
Loss rate: 32.14%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 67.104 ms
Loss rate: 28.28%
-- Flow 2:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 66.822 ms
Loss rate: 34.70%
-- Flow 3:
Average throughput: 50.70 Mbit/s
95th percentile per-packet one-way delay: 66.836 ms
Loss rate: 38.91%

Run 3: Report of FillP — Data Link

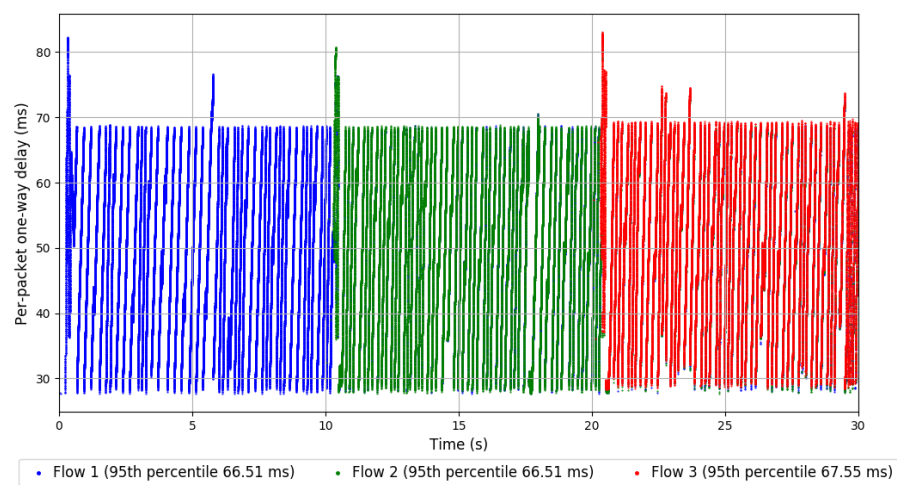
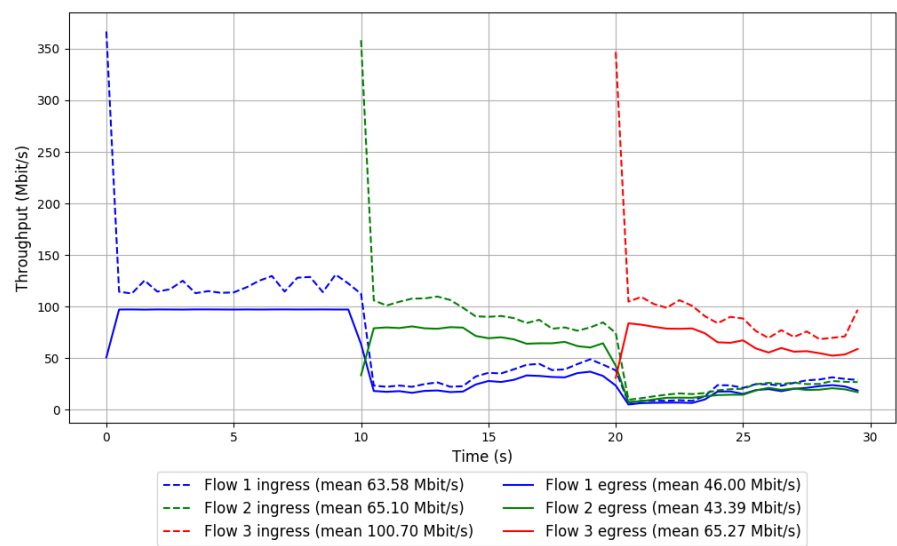


Run 4: Statistics of FillP

Start at: 2018-03-13 19:58:27
End at: 2018-03-13 19:58:57
Local clock offset: 0.776 ms
Remote clock offset: -3.943 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 66.753 ms
Loss rate: 31.19%
-- Flow 1:
Average throughput: 46.00 Mbit/s
95th percentile per-packet one-way delay: 66.514 ms
Loss rate: 27.60%
-- Flow 2:
Average throughput: 43.39 Mbit/s
95th percentile per-packet one-way delay: 66.513 ms
Loss rate: 33.32%
-- Flow 3:
Average throughput: 65.27 Mbit/s
95th percentile per-packet one-way delay: 67.551 ms
Loss rate: 35.28%

Run 4: Report of FillP — Data Link

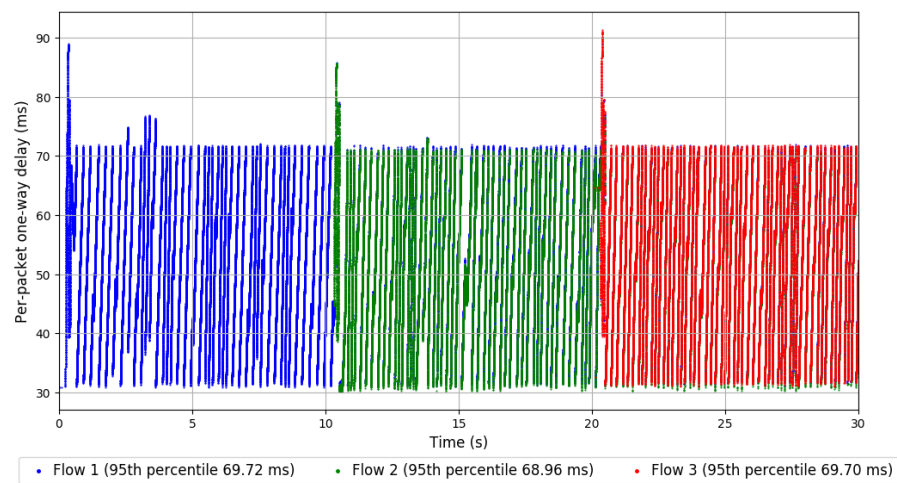
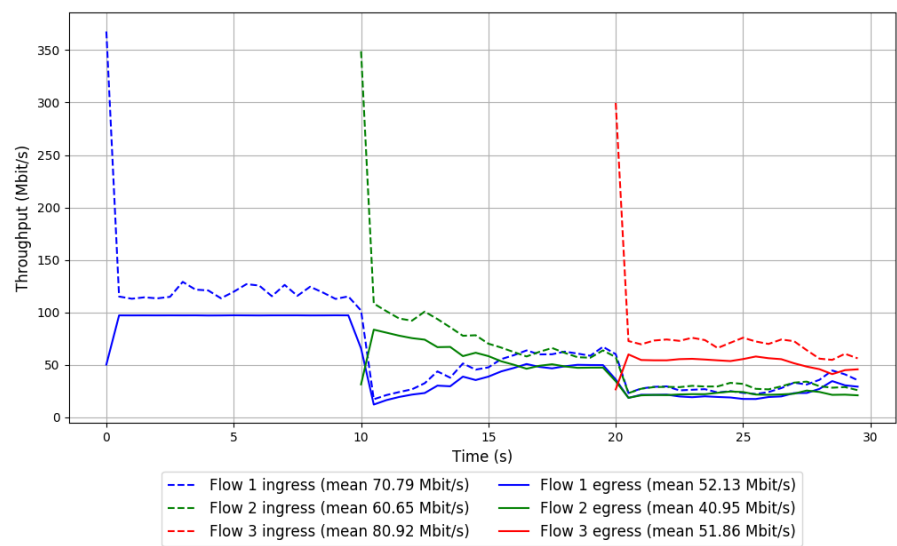


Run 5: Statistics of FillP

Start at: 2018-03-13 20:23:03
End at: 2018-03-13 20:23:33
Local clock offset: 0.853 ms
Remote clock offset: -2.044 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 69.510 ms
Loss rate: 30.00%
-- Flow 1:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 69.715 ms
Loss rate: 26.32%
-- Flow 2:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 68.958 ms
Loss rate: 32.47%
-- Flow 3:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 69.702 ms
Loss rate: 35.99%

Run 5: Report of FillP — Data Link

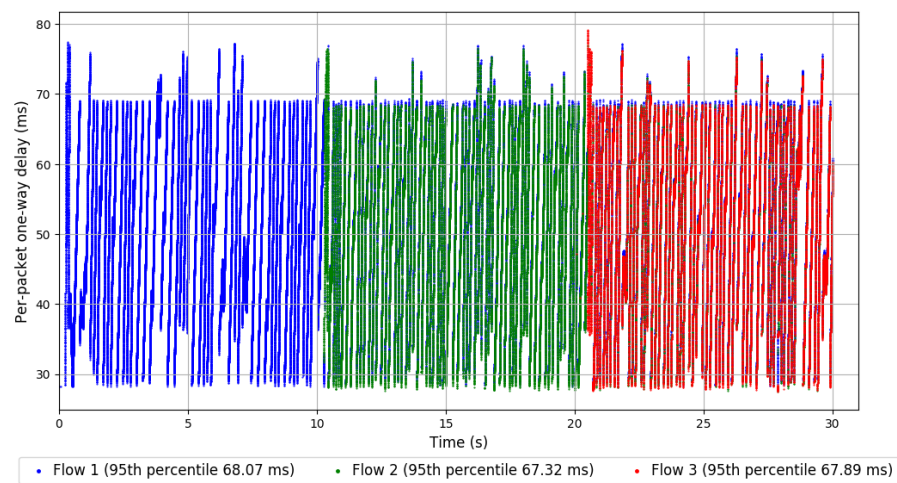
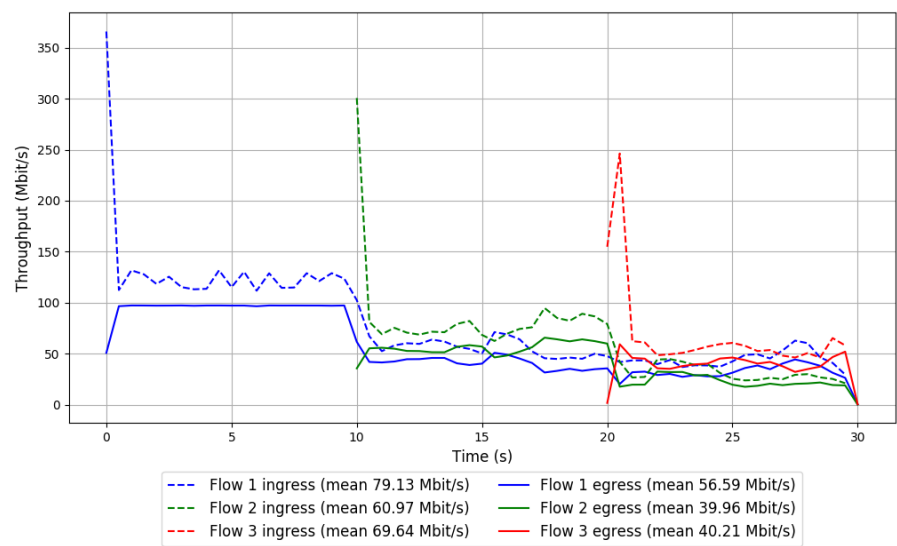


Run 6: Statistics of FillP

Start at: 2018-03-13 20:47:58
End at: 2018-03-13 20:48:28
Local clock offset: 1.201 ms
Remote clock offset: -4.232 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 67.840 ms
Loss rate: 32.34%
-- Flow 1:
Average throughput: 56.59 Mbit/s
95th percentile per-packet one-way delay: 68.071 ms
Loss rate: 28.42%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 67.323 ms
Loss rate: 34.38%
-- Flow 3:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 67.886 ms
Loss rate: 42.19%

Run 6: Report of FillP — Data Link

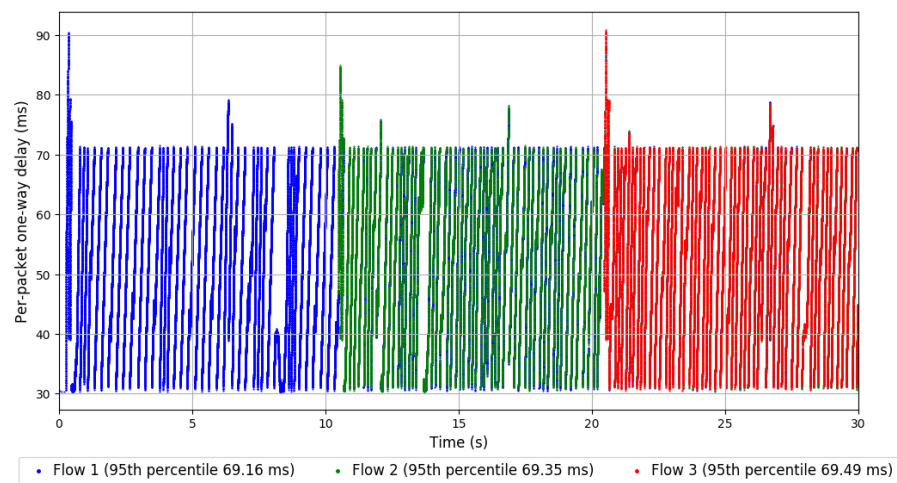
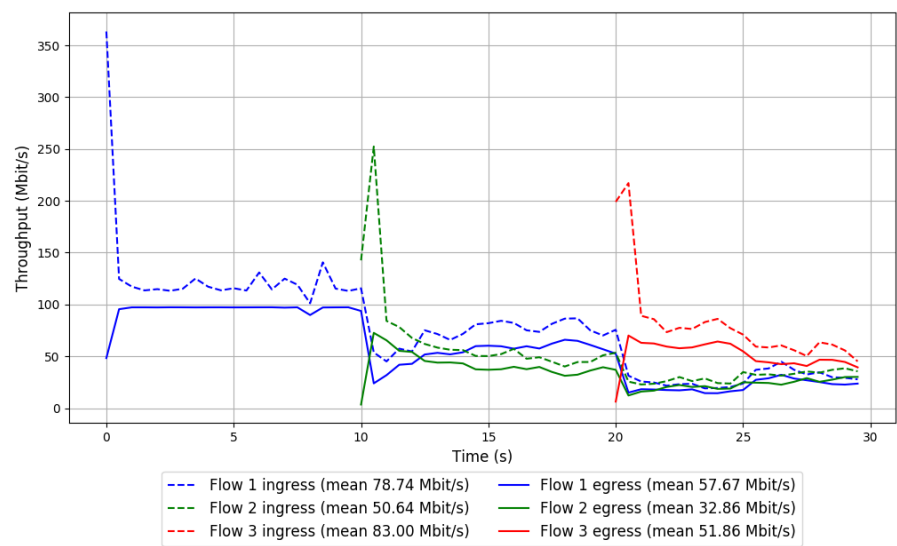


Run 7: Statistics of FillP

Start at: 2018-03-13 21:13:02
End at: 2018-03-13 21:13:32
Local clock offset: 0.832 ms
Remote clock offset: -1.857 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 69.260 ms
Loss rate: 31.16%
-- Flow 1:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 69.160 ms
Loss rate: 26.72%
-- Flow 2:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 69.346 ms
Loss rate: 35.63%
-- Flow 3:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 69.493 ms
Loss rate: 38.42%

Run 7: Report of FillP — Data Link

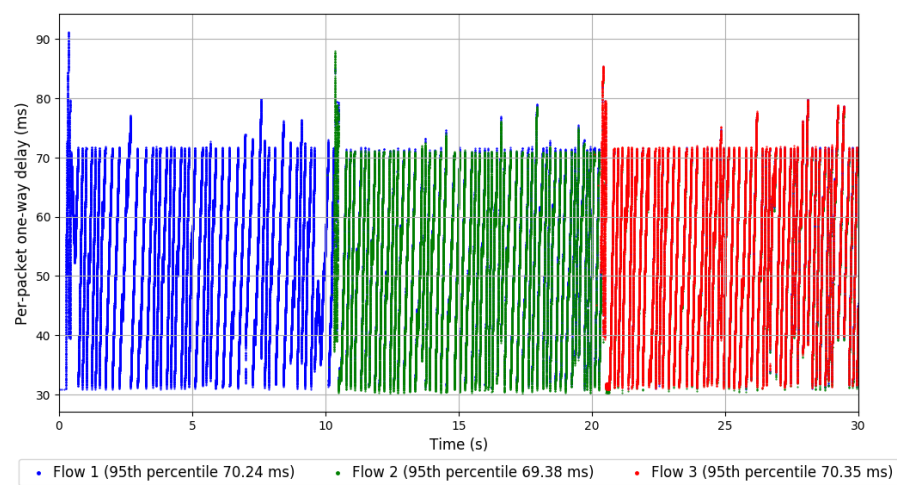
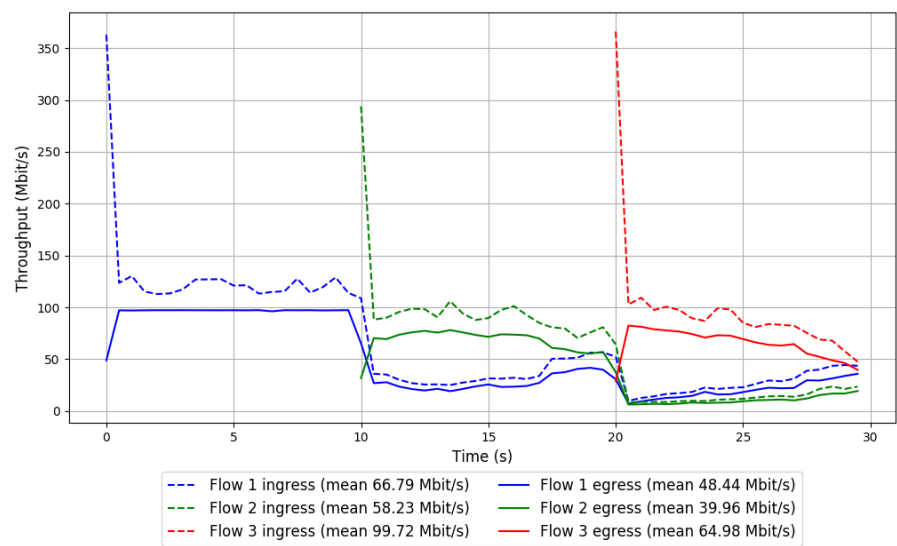


Run 8: Statistics of FillP

Start at: 2018-03-13 21:38:00
End at: 2018-03-13 21:38:30
Local clock offset: 0.839 ms
Remote clock offset: -1.858 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 70.028 ms
Loss rate: 30.37%
-- Flow 1:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 70.244 ms
Loss rate: 27.44%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 69.383 ms
Loss rate: 31.45%
-- Flow 3:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 70.348 ms
Loss rate: 35.00%

Run 8: Report of FillP — Data Link

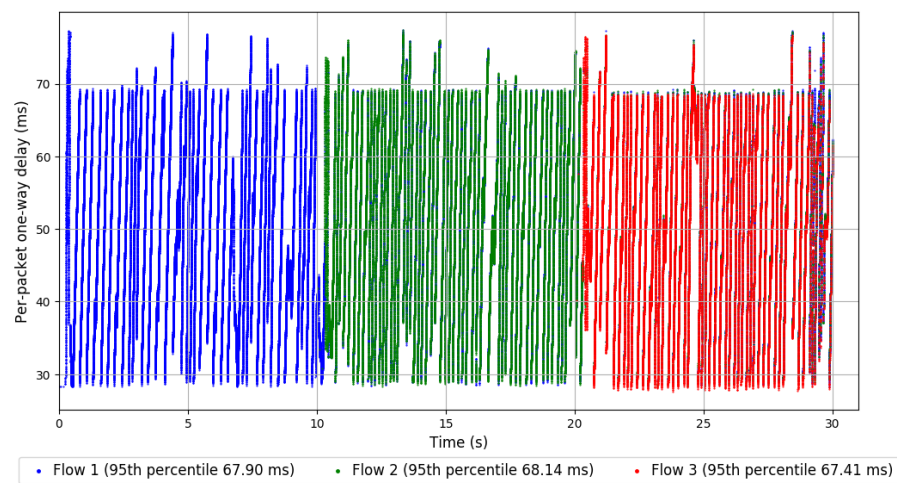
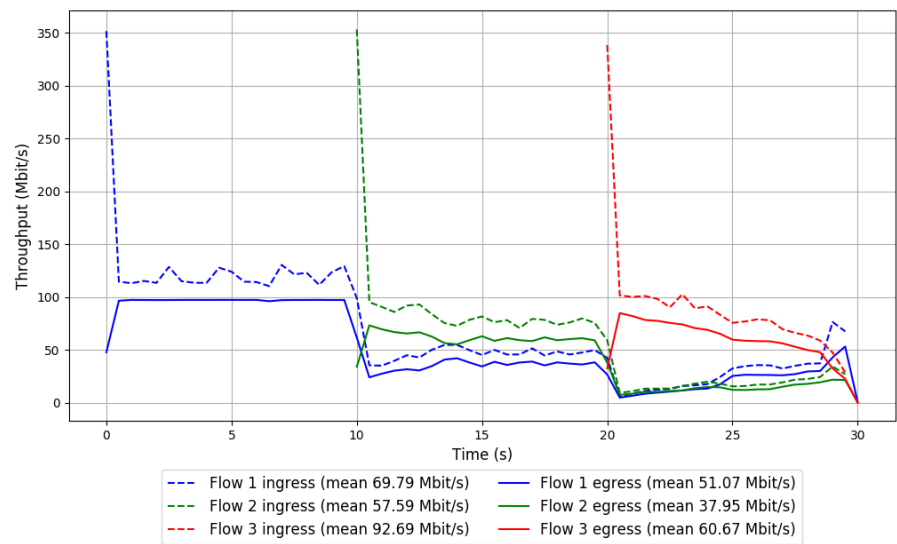


Run 9: Statistics of FillP

Start at: 2018-03-13 22:04:24
End at: 2018-03-13 22:04:54
Local clock offset: 0.783 ms
Remote clock offset: -5.098 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 67.842 ms
Loss rate: 30.45%
-- Flow 1:
Average throughput: 51.07 Mbit/s
95th percentile per-packet one-way delay: 67.900 ms
Loss rate: 26.75%
-- Flow 2:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 68.137 ms
Loss rate: 34.04%
-- Flow 3:
Average throughput: 60.67 Mbit/s
95th percentile per-packet one-way delay: 67.408 ms
Loss rate: 34.41%

Run 9: Report of FillP — Data Link

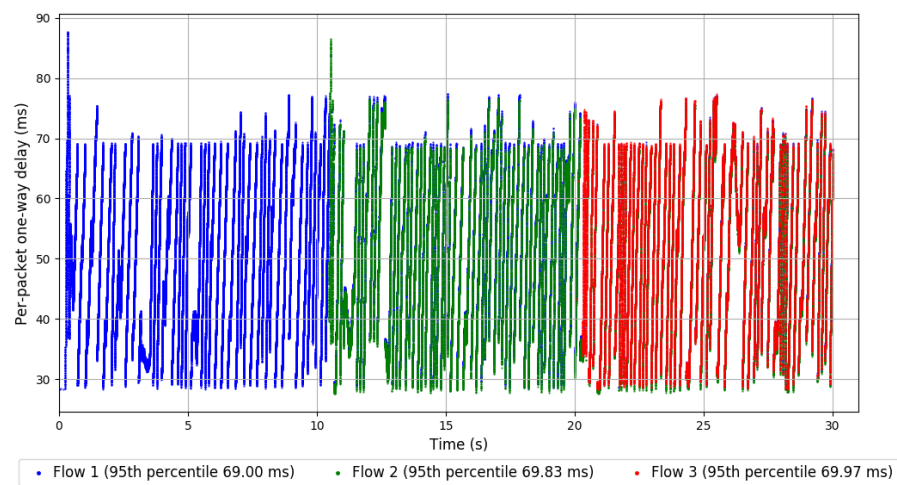
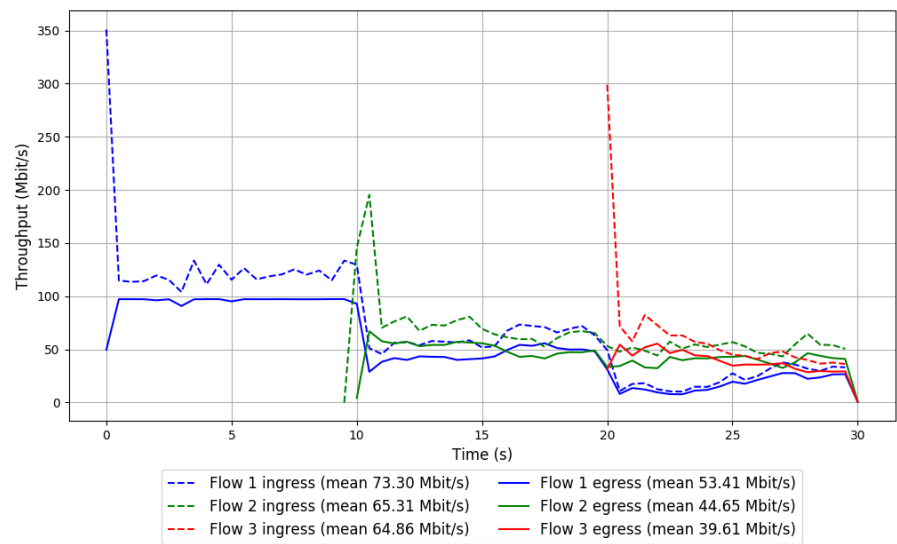


Run 10: Statistics of FillP

Start at: 2018-03-13 22:30:24
End at: 2018-03-13 22:30:54
Local clock offset: 0.912 ms
Remote clock offset: -3.393 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 69.373 ms
Loss rate: 30.31%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 69.002 ms
Loss rate: 27.04%
-- Flow 2:
Average throughput: 44.65 Mbit/s
95th percentile per-packet one-way delay: 69.834 ms
Loss rate: 31.62%
-- Flow 3:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 69.971 ms
Loss rate: 38.77%

Run 10: Report of FillP — Data Link

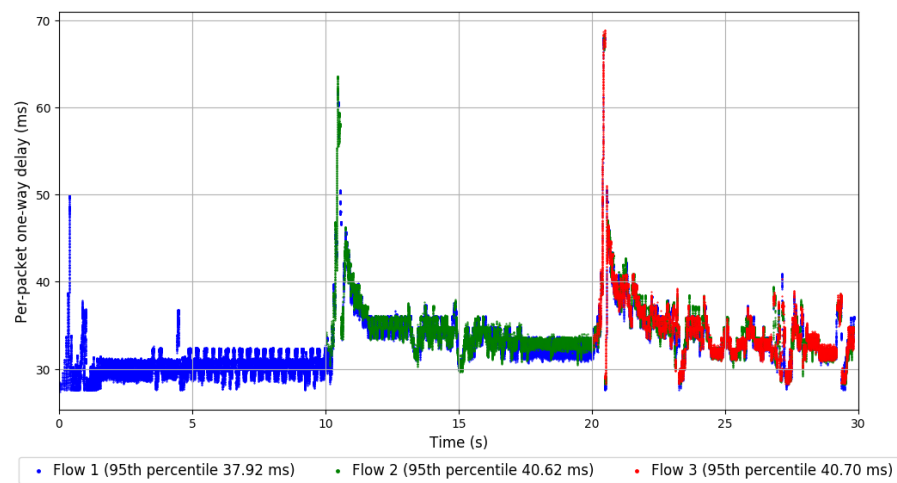
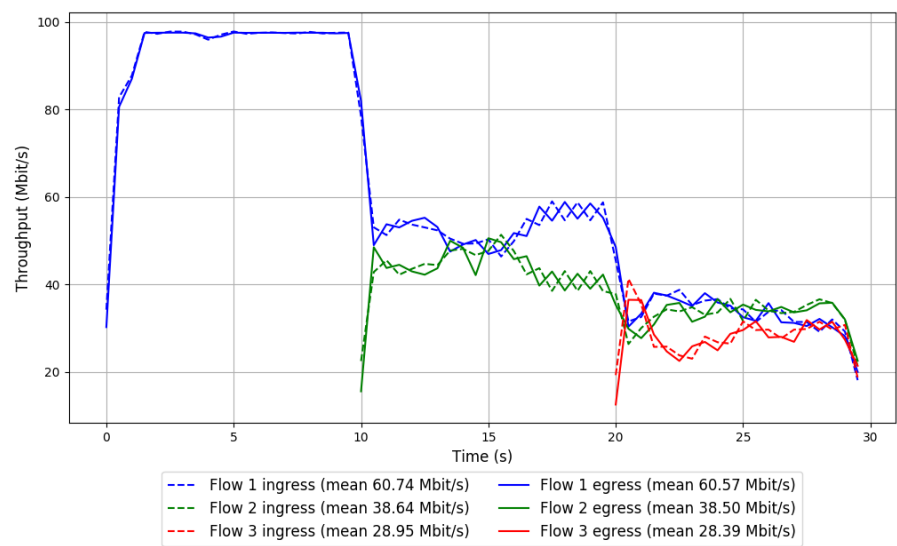


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-13 18:34:41
End at: 2018-03-13 18:35:11
Local clock offset: 1.833 ms
Remote clock offset: -2.565 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 39.407 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 37.918 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 38.50 Mbit/s
95th percentile per-packet one-way delay: 40.622 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 28.39 Mbit/s
95th percentile per-packet one-way delay: 40.702 ms
Loss rate: 1.93%

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

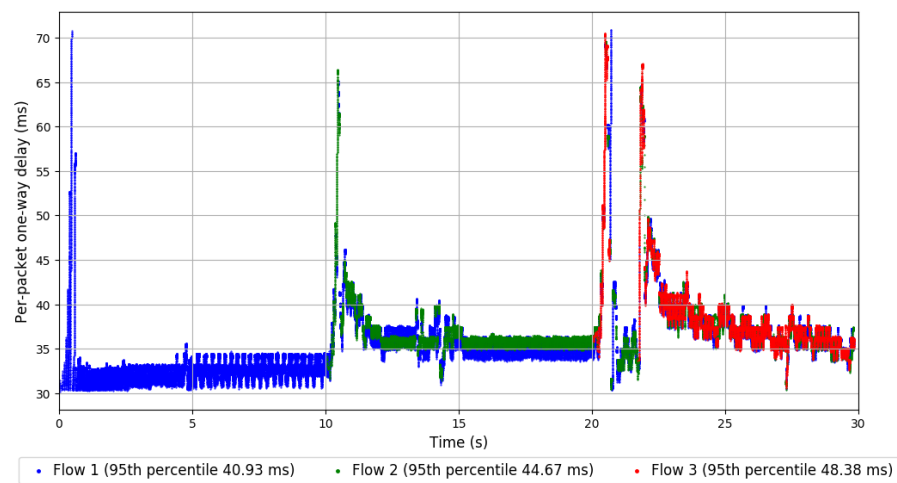
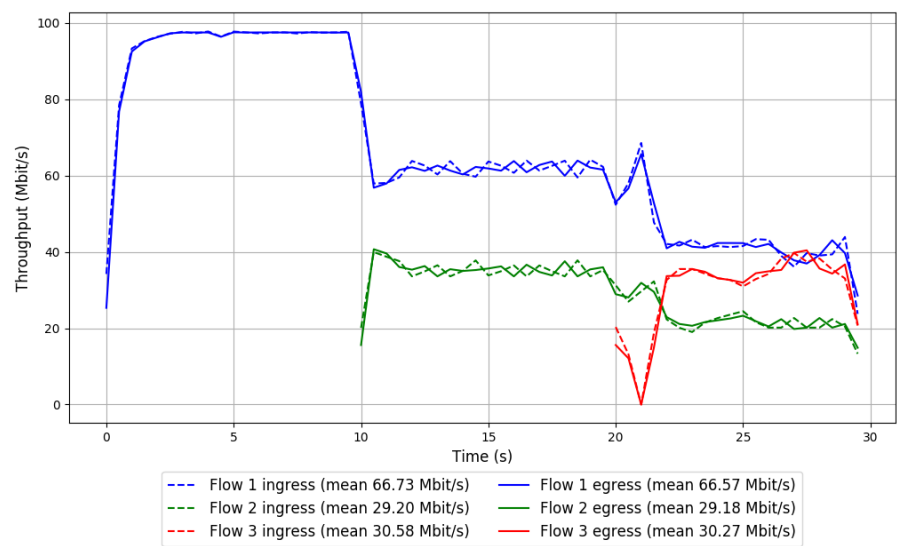


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-13 18:59:19
End at: 2018-03-13 18:59:49
Local clock offset: 1.041 ms
Remote clock offset: -1.951 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 42.293 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 40.928 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 29.18 Mbit/s
95th percentile per-packet one-way delay: 44.669 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 48.379 ms
Loss rate: 1.03%

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

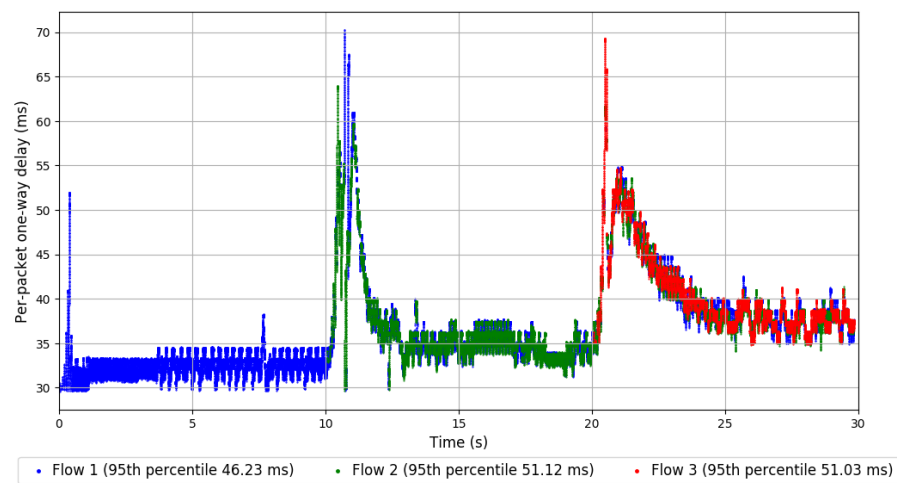
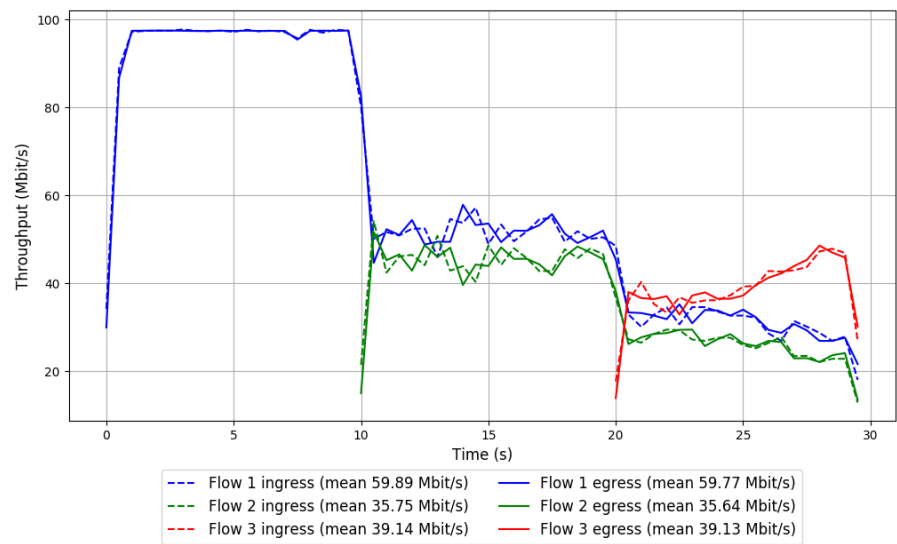


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-13 19:24:12
End at: 2018-03-13 19:24:42
Local clock offset: 0.995 ms
Remote clock offset: -1.583 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 49.649 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.77 Mbit/s
95th percentile per-packet one-way delay: 46.228 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 51.124 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 51.030 ms
Loss rate: 0.00%

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

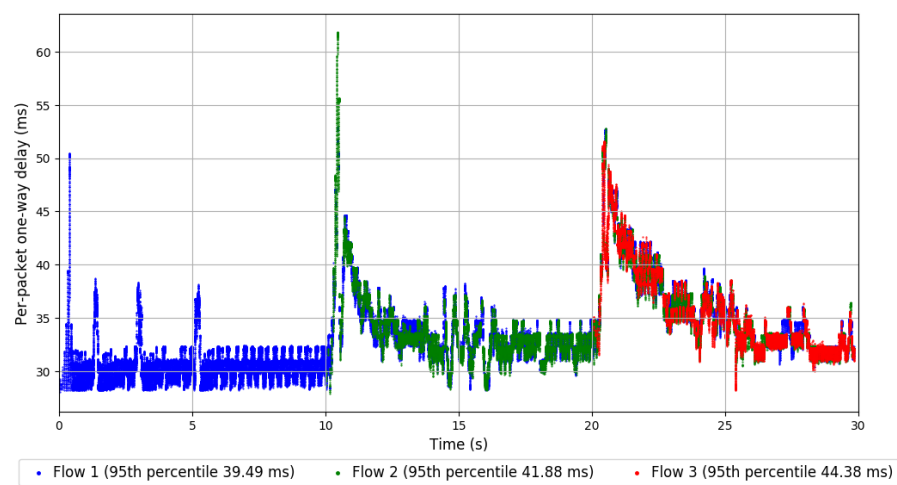
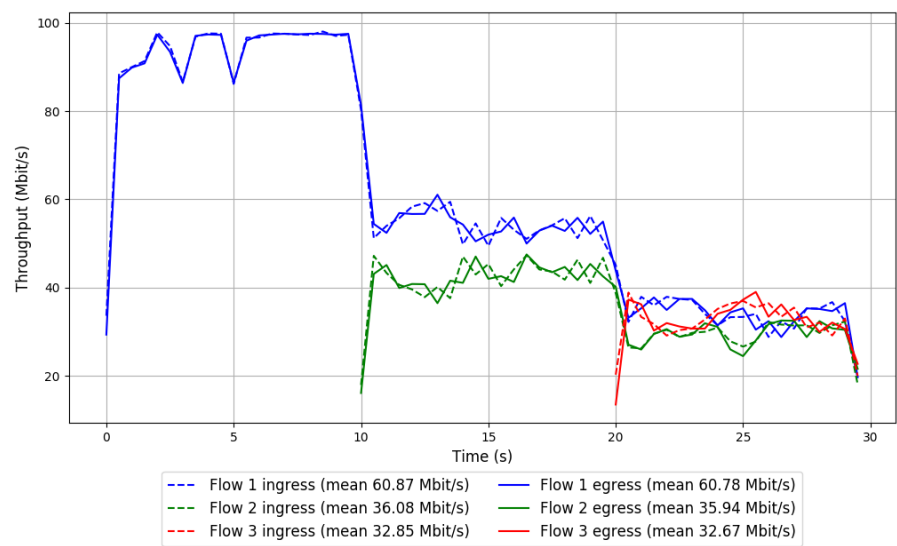


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-13 19:48:55
End at: 2018-03-13 19:49:25
Local clock offset: 0.873 ms
Remote clock offset: -3.326 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 41.283 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 39.493 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 41.877 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 44.385 ms
Loss rate: 0.56%

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

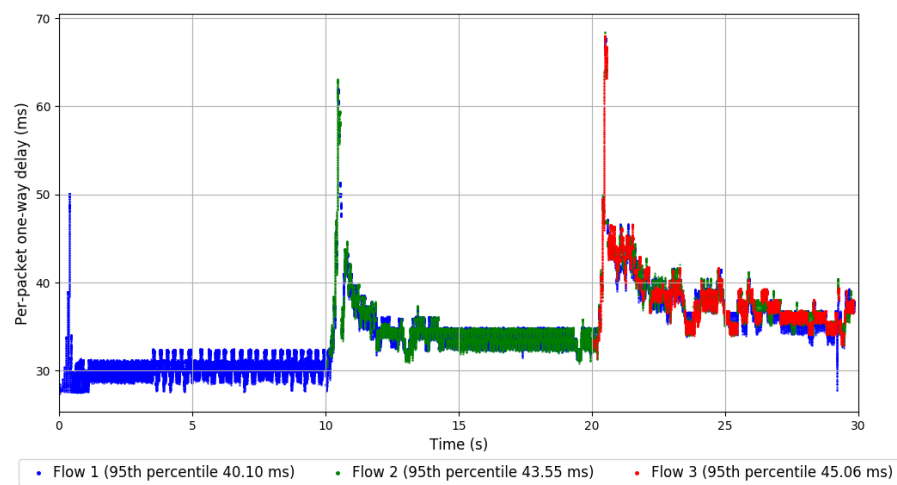
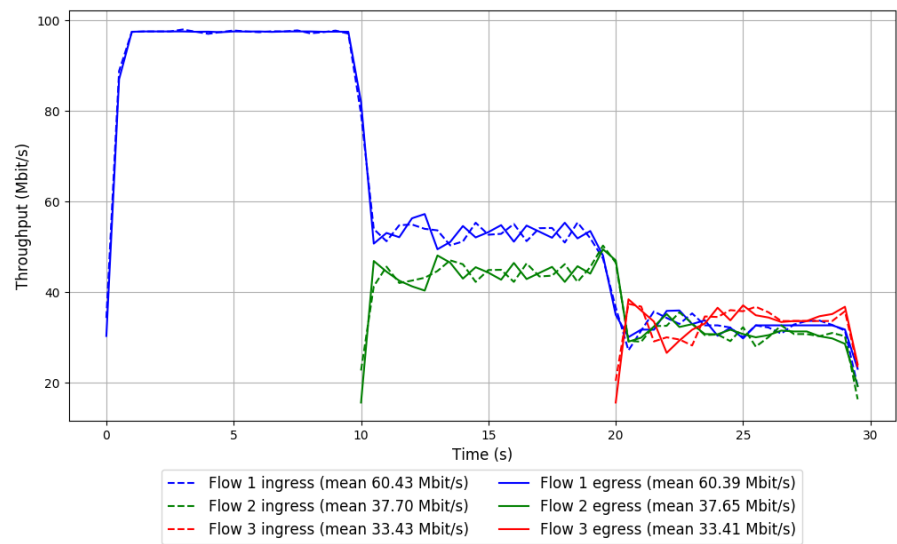


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-13 20:13:32
End at: 2018-03-13 20:14:02
Local clock offset: 0.819 ms
Remote clock offset: -4.463 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 42.201 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 60.39 Mbit/s
95th percentile per-packet one-way delay: 40.105 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 43.548 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 33.41 Mbit/s
95th percentile per-packet one-way delay: 45.060 ms
Loss rate: 0.00%

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

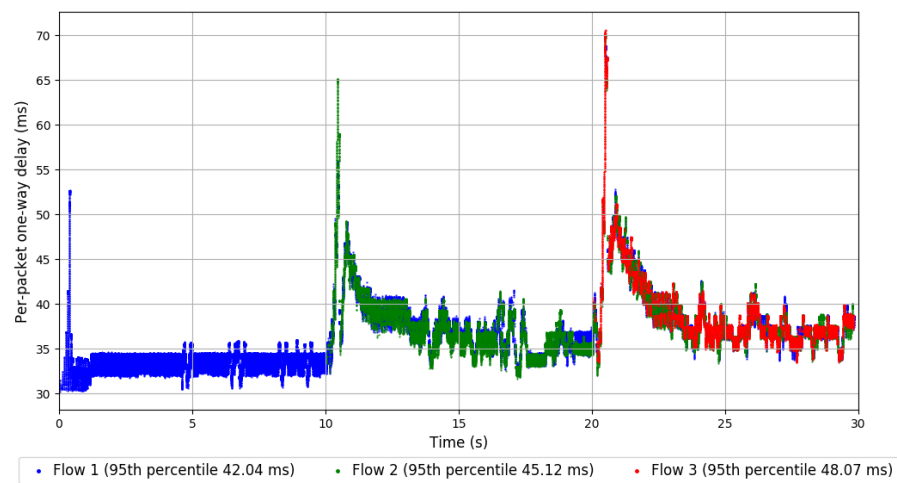
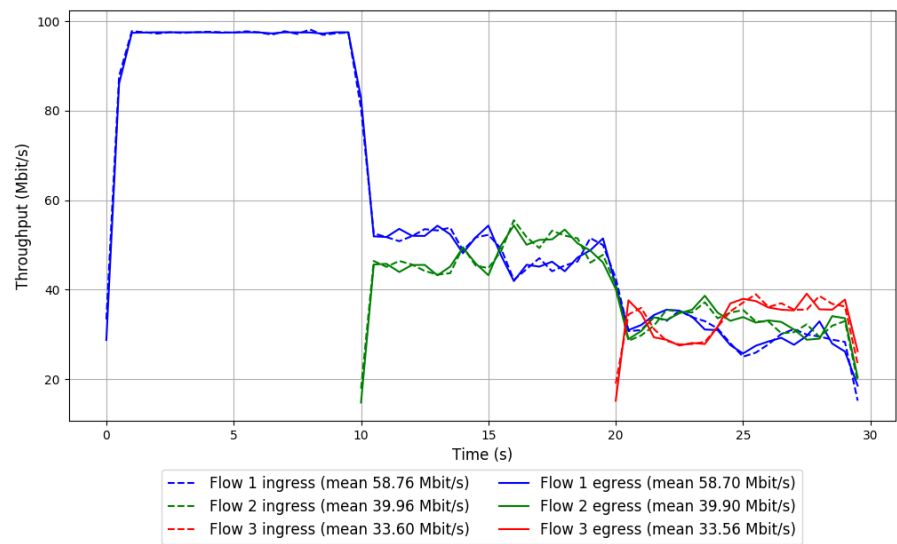


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-13 20:38:11
End at: 2018-03-13 20:38:41
Local clock offset: 1.144 ms
Remote clock offset: -2.185 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 44.577 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 42.040 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.90 Mbit/s
95th percentile per-packet one-way delay: 45.122 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.56 Mbit/s
95th percentile per-packet one-way delay: 48.072 ms
Loss rate: 0.15%

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

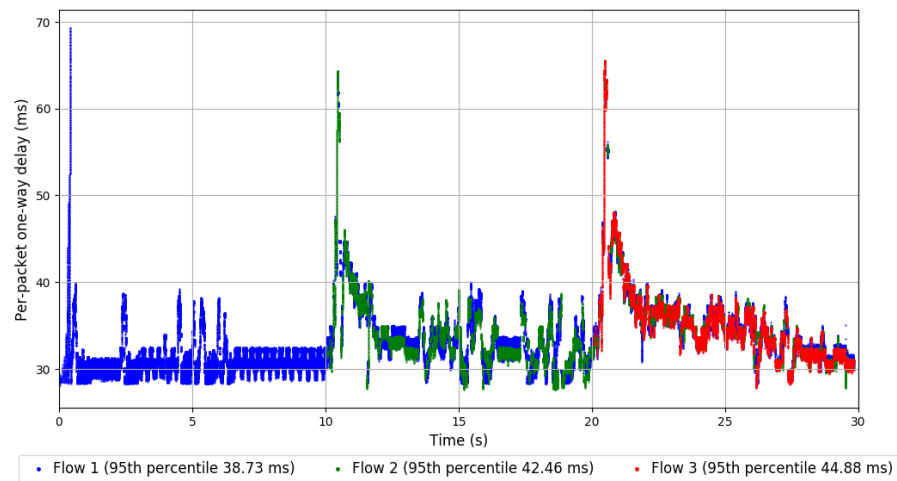
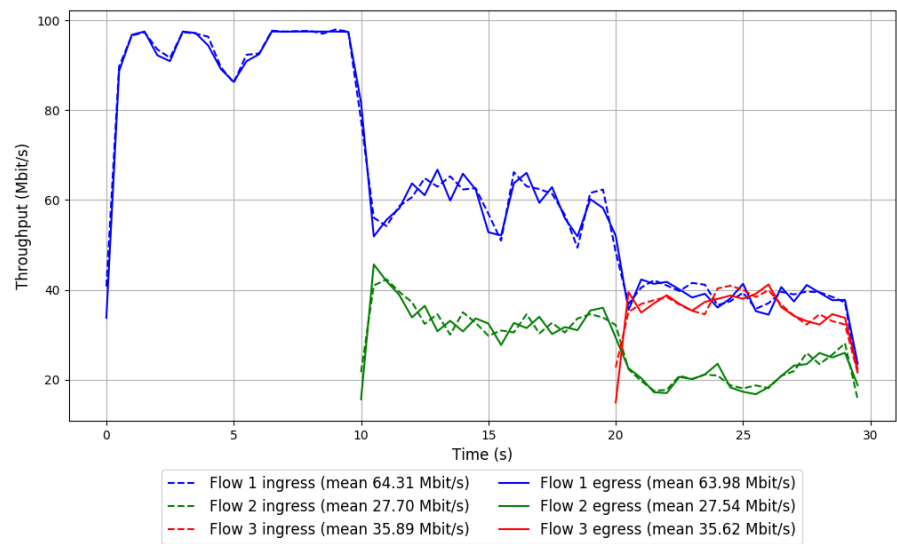


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-13 21:03:09
End at: 2018-03-13 21:03:39
Local clock offset: 0.999 ms
Remote clock offset: -4.005 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 40.654 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 63.98 Mbit/s
95th percentile per-packet one-way delay: 38.727 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 42.462 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 35.62 Mbit/s
95th percentile per-packet one-way delay: 44.885 ms
Loss rate: 0.78%

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

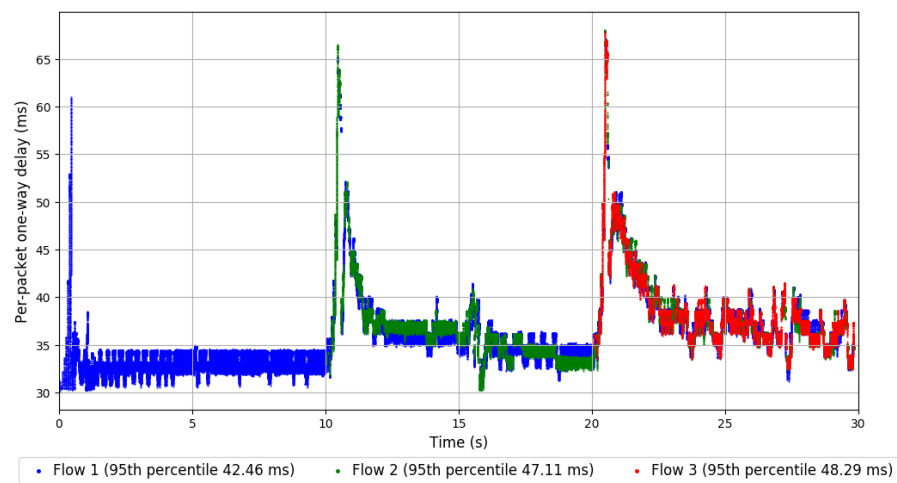
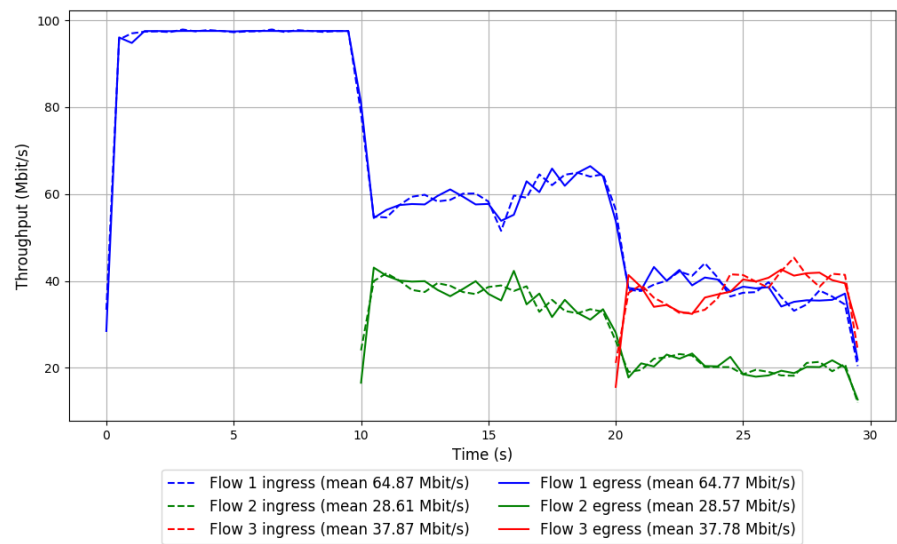


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-13 21:28:17
End at: 2018-03-13 21:28:47
Local clock offset: 0.771 ms
Remote clock offset: -1.961 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 44.697 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 42.456 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 47.109 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 48.291 ms
Loss rate: 0.23%

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

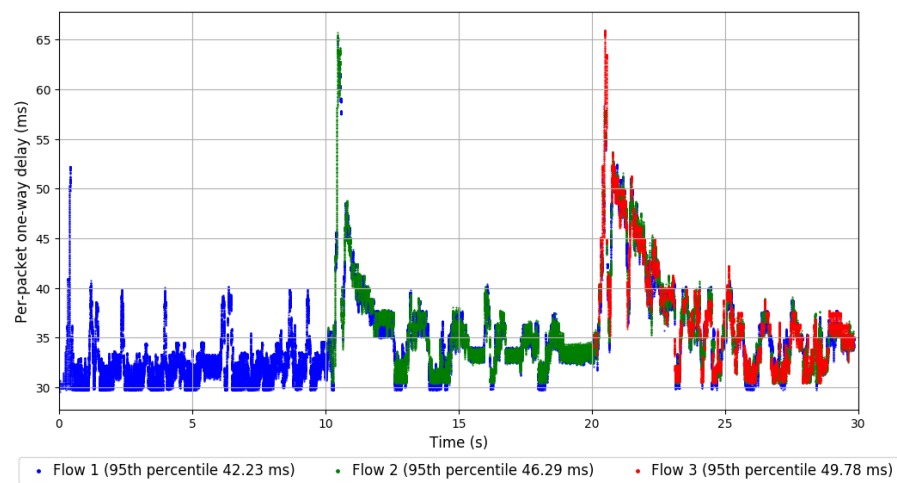
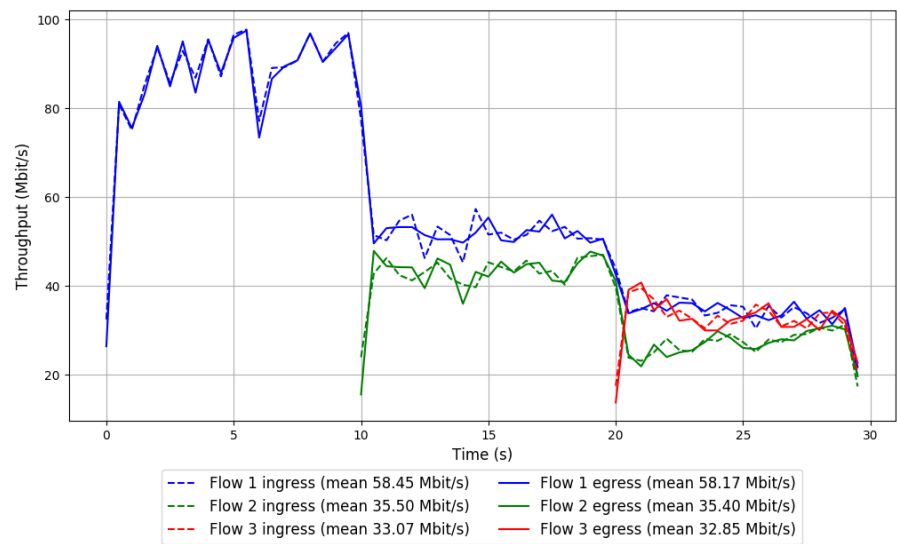


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-13 21:53:58
End at: 2018-03-13 21:54:28
Local clock offset: 0.896 ms
Remote clock offset: -2.724 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 45.421 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 58.17 Mbit/s
95th percentile per-packet one-way delay: 42.235 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 35.40 Mbit/s
95th percentile per-packet one-way delay: 46.290 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 49.782 ms
Loss rate: 0.67%

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

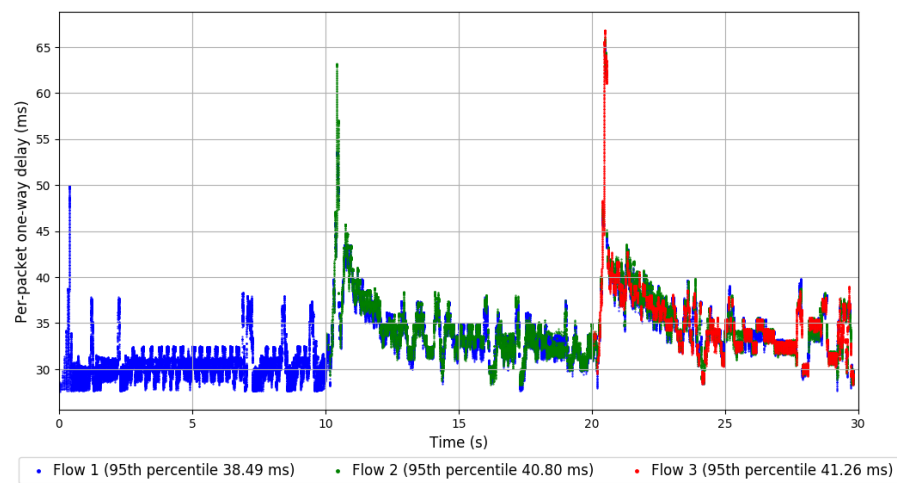
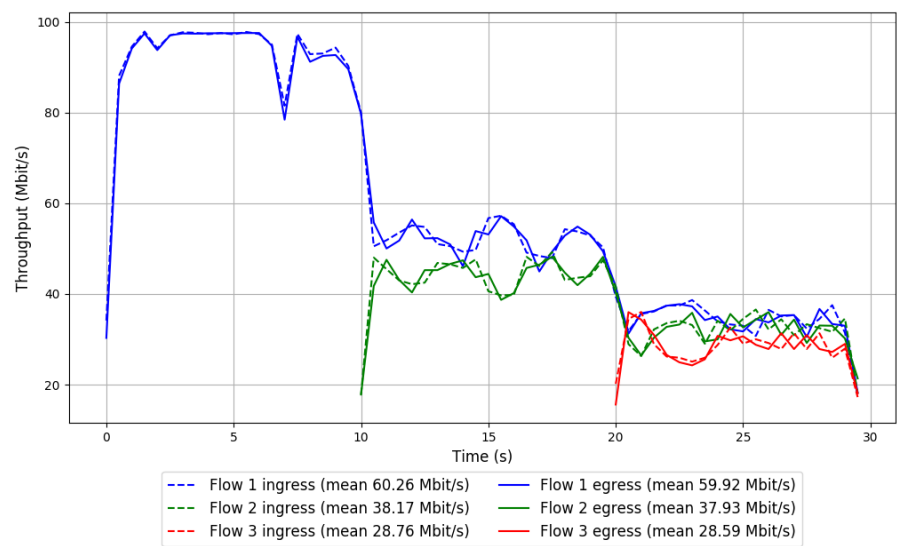


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-13 22:20:22
End at: 2018-03-13 22:20:52
Local clock offset: 0.777 ms
Remote clock offset: -3.867 ms

Below is generated by plot.py at 2018-03-13 23:27:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 39.628 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 38.493 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 37.93 Mbit/s
95th percentile per-packet one-way delay: 40.802 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 28.59 Mbit/s
95th percentile per-packet one-way delay: 41.255 ms
Loss rate: 0.62%

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

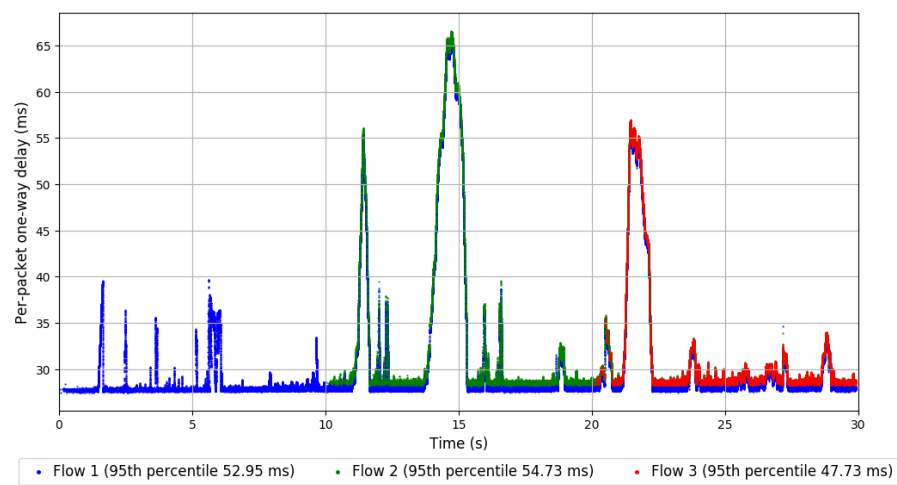
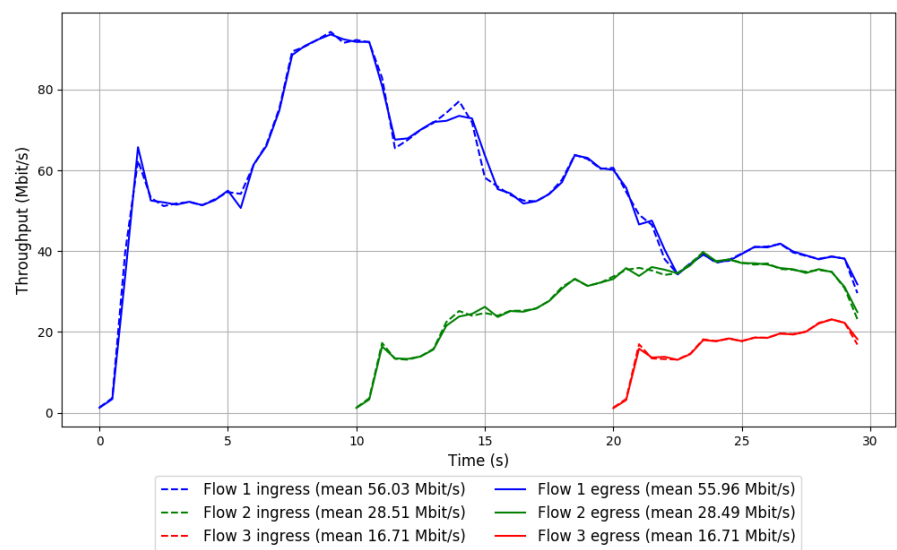


Run 1: Statistics of Vivace-latency

Start at: 2018-03-13 18:25:04
End at: 2018-03-13 18:25:34
Local clock offset: 1.616 ms
Remote clock offset: -2.611 ms

Below is generated by plot.py at 2018-03-13 23:27:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.41 Mbit/s
95th percentile per-packet one-way delay: 53.426 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 52.951 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 54.730 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 16.71 Mbit/s
95th percentile per-packet one-way delay: 47.735 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-03-13 18:49:43

End at: 2018-03-13 18:50:13

Local clock offset: 1.287 ms

Remote clock offset: -1.37 ms

Below is generated by plot.py at 2018-03-13 23:27:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.62 Mbit/s

95th percentile per-packet one-way delay: 41.458 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 65.24 Mbit/s

95th percentile per-packet one-way delay: 41.698 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 20.98 Mbit/s

95th percentile per-packet one-way delay: 41.765 ms

Loss rate: 0.33%

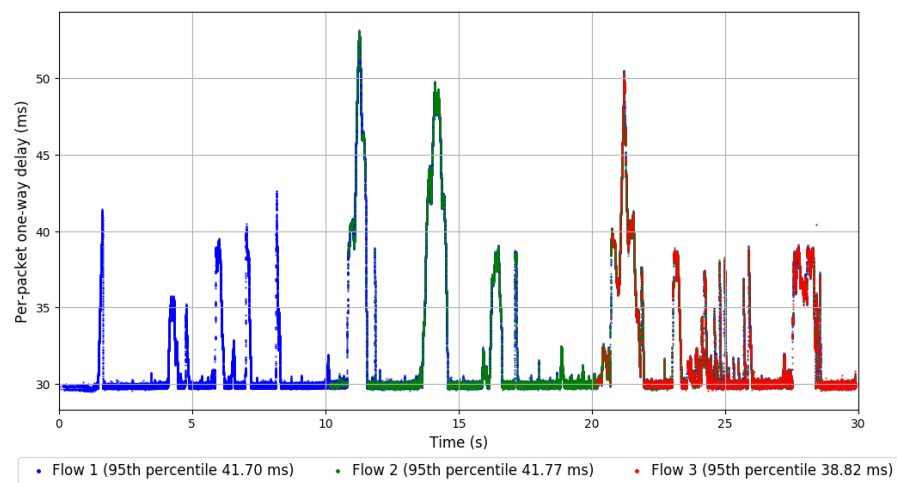
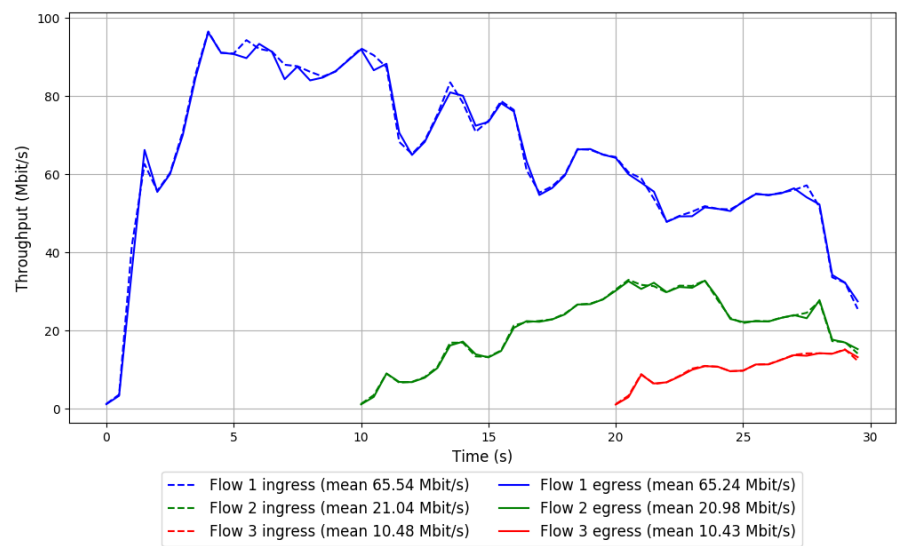
-- Flow 3:

Average throughput: 10.43 Mbit/s

95th percentile per-packet one-way delay: 38.821 ms

Loss rate: 0.45%

Run 2: Report of Vivace-latency — Data Link

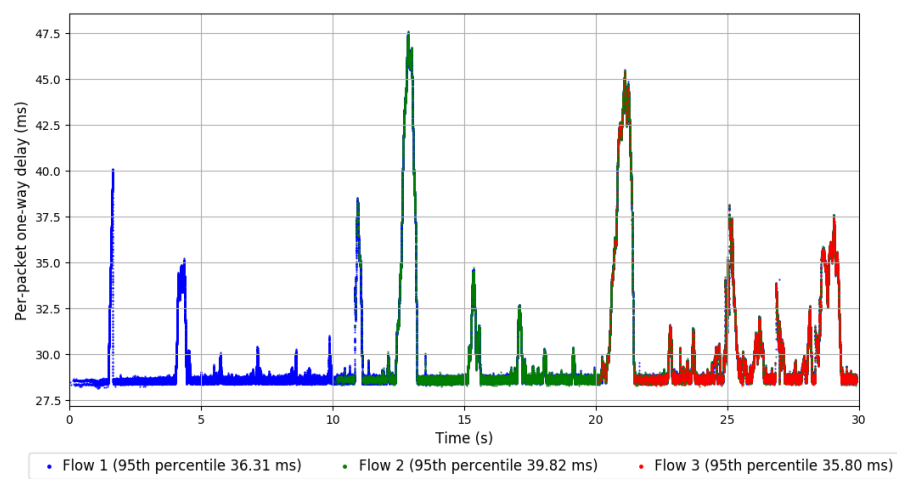
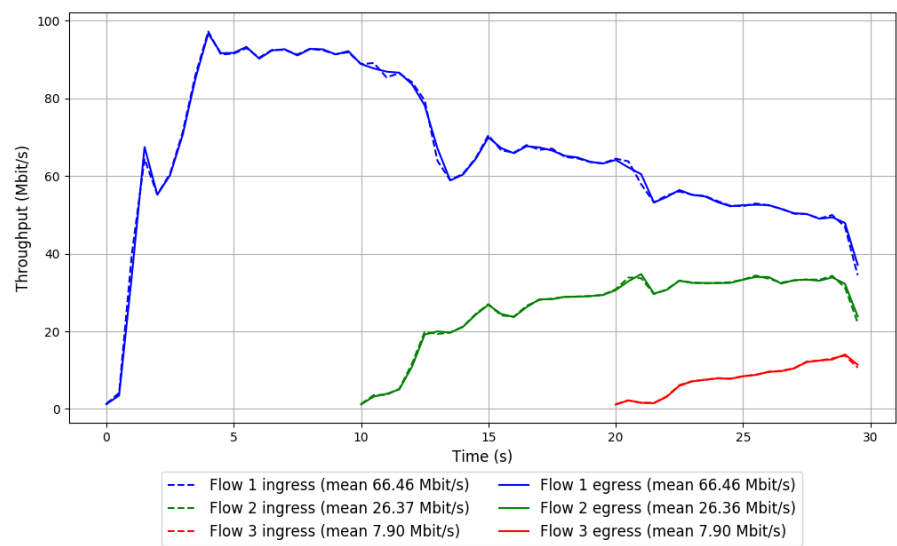


Run 3: Statistics of Vivace-latency

Start at: 2018-03-13 19:14:35
End at: 2018-03-13 19:15:05
Local clock offset: 0.909 ms
Remote clock offset: -4.287 ms

Below is generated by plot.py at 2018-03-13 23:27:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 36.755 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.46 Mbit/s
95th percentile per-packet one-way delay: 36.313 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 39.819 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 35.795 ms
Loss rate: 0.05%

Run 3: Report of Vivace-latency — Data Link

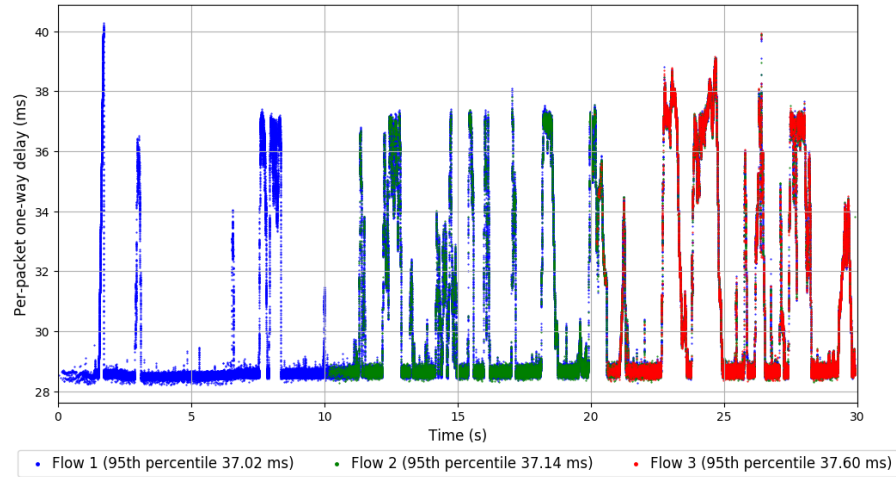
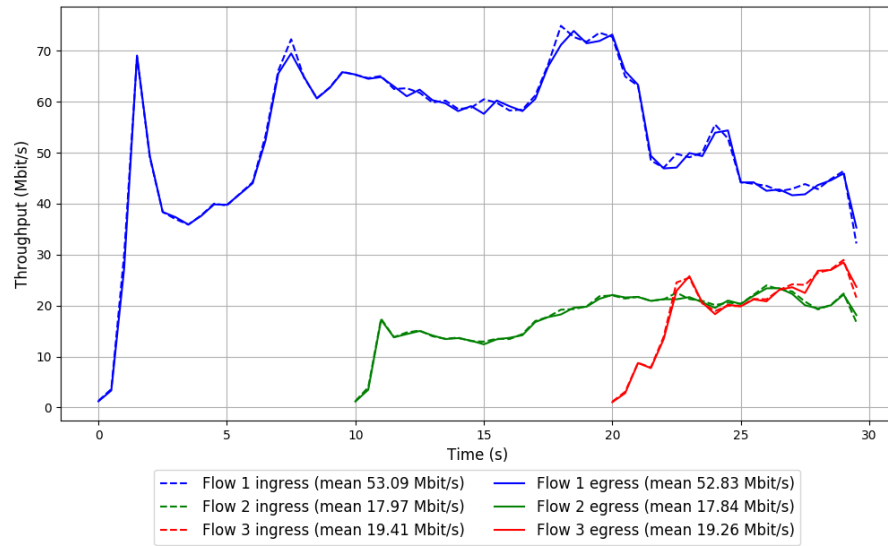


Run 4: Statistics of Vivace-latency

Start at: 2018-03-13 19:39:10
End at: 2018-03-13 19:39:40
Local clock offset: 0.839 ms
Remote clock offset: -3.228 ms

Below is generated by plot.py at 2018-03-13 23:27:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.02 Mbit/s
95th percentile per-packet one-way delay: 37.078 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 37.017 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 17.84 Mbit/s
95th percentile per-packet one-way delay: 37.138 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 37.605 ms
Loss rate: 0.86%

Run 4: Report of Vivace-latency — Data Link

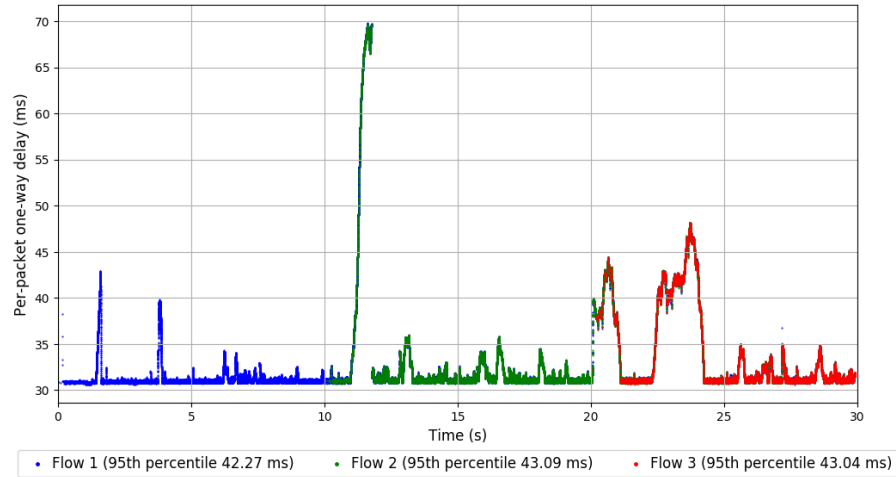
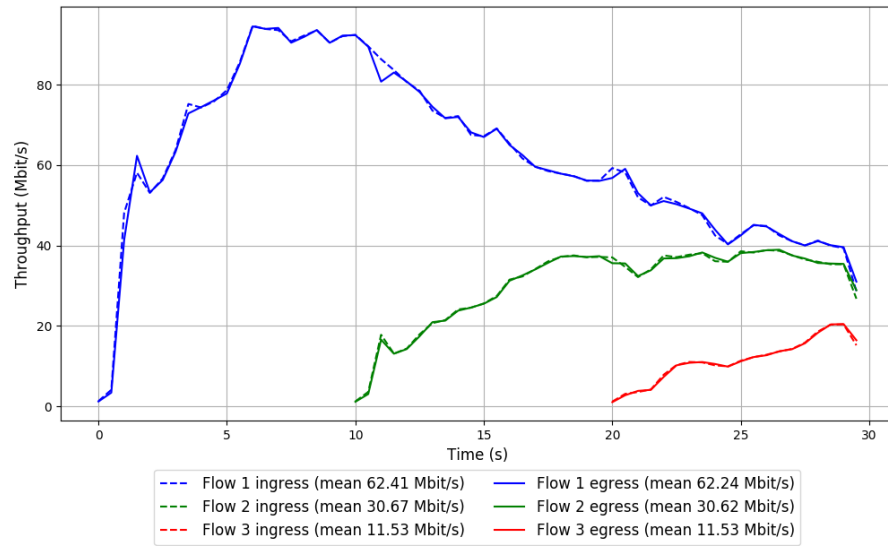


Run 5: Statistics of Vivace-latency

Start at: 2018-03-13 20:03:55
End at: 2018-03-13 20:04:25
Local clock offset: 0.84 ms
Remote clock offset: -1.673 ms

Below is generated by plot.py at 2018-03-13 23:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 42.531 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 62.24 Mbit/s
95th percentile per-packet one-way delay: 42.272 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 43.087 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 43.039 ms
Loss rate: 0.05%

Run 5: Report of Vivace-latency — Data Link

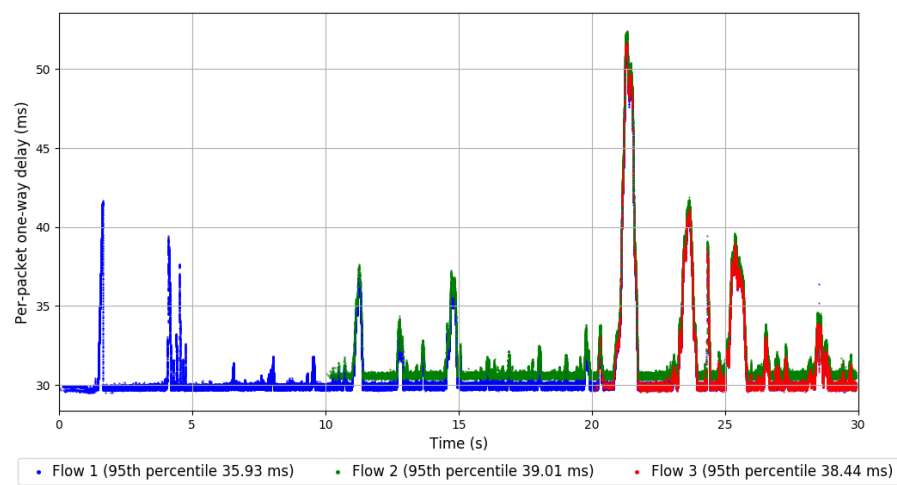
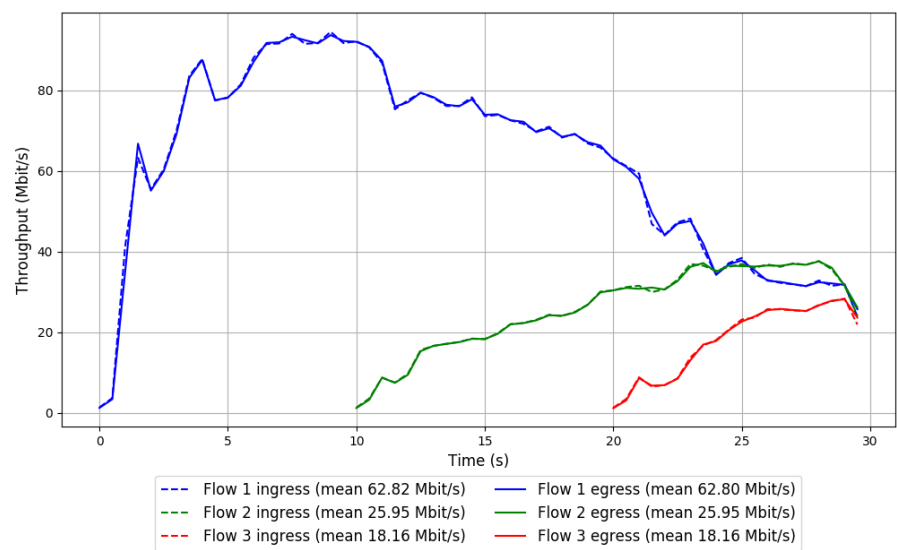


Run 6: Statistics of Vivace-latency

Start at: 2018-03-13 20:28:29
End at: 2018-03-13 20:28:59
Local clock offset: 0.943 ms
Remote clock offset: -2.384 ms

Below is generated by plot.py at 2018-03-13 23:28:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 37.092 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.80 Mbit/s
95th percentile per-packet one-way delay: 35.931 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 25.95 Mbit/s
95th percentile per-packet one-way delay: 39.009 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.16 Mbit/s
95th percentile per-packet one-way delay: 38.440 ms
Loss rate: 0.03%

Run 6: Report of Vivace-latency — Data Link

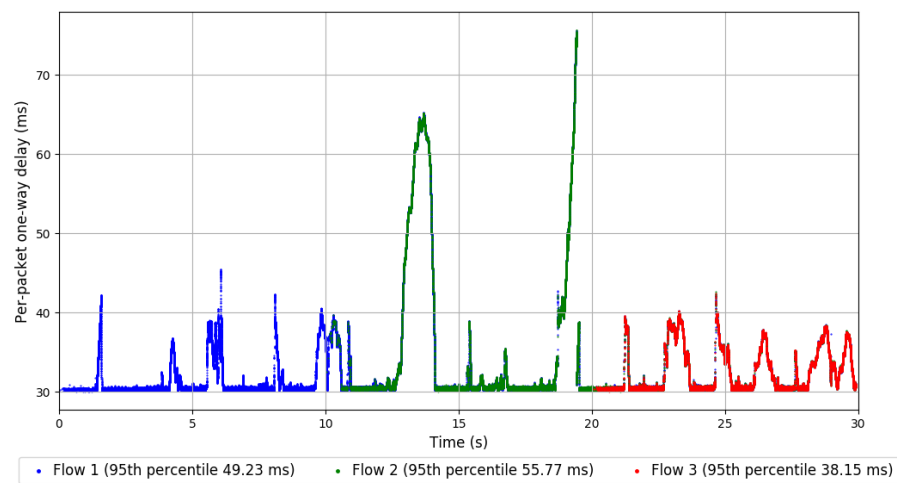
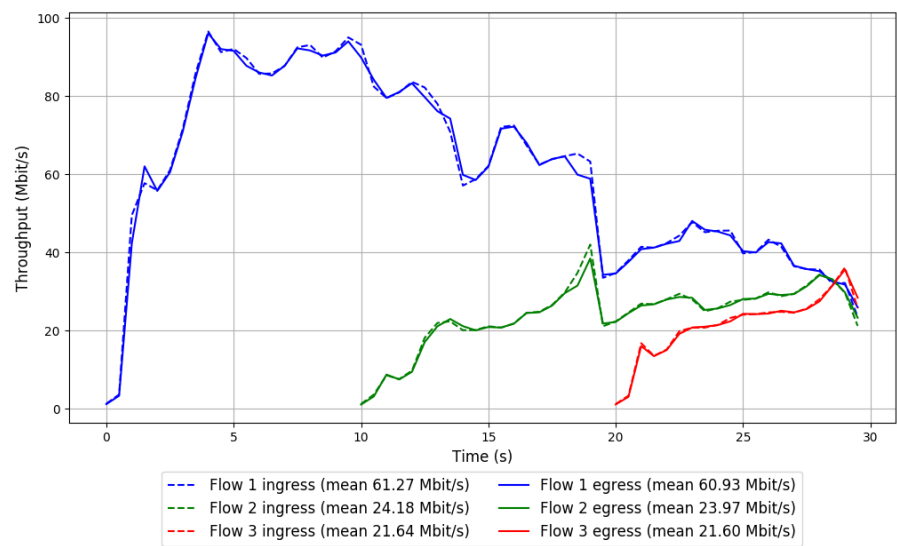


Run 7: Statistics of Vivace-latency

Start at: 2018-03-13 20:53:25
End at: 2018-03-13 20:53:55
Local clock offset: 1.244 ms
Remote clock offset: -1.554 ms

Below is generated by plot.py at 2018-03-13 23:28:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 49.083 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 60.93 Mbit/s
95th percentile per-packet one-way delay: 49.232 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 55.774 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 21.60 Mbit/s
95th percentile per-packet one-way delay: 38.149 ms
Loss rate: 0.24%

Run 7: Report of Vivace-latency — Data Link

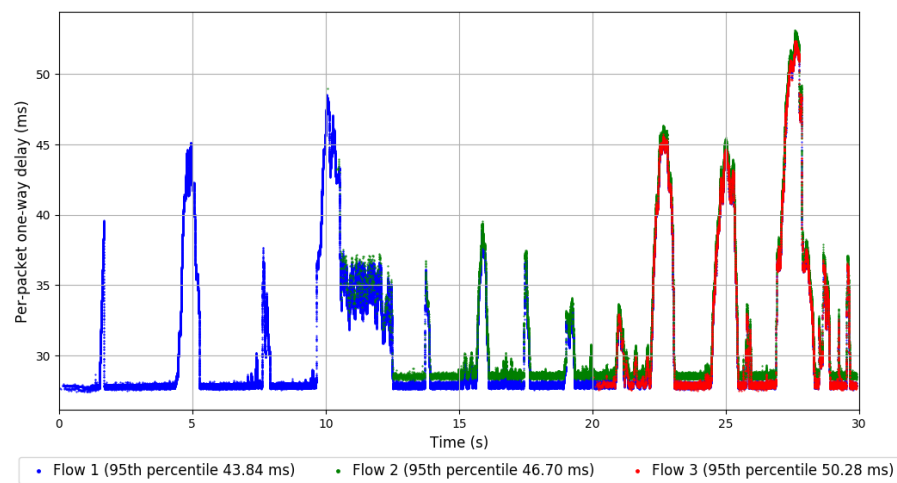
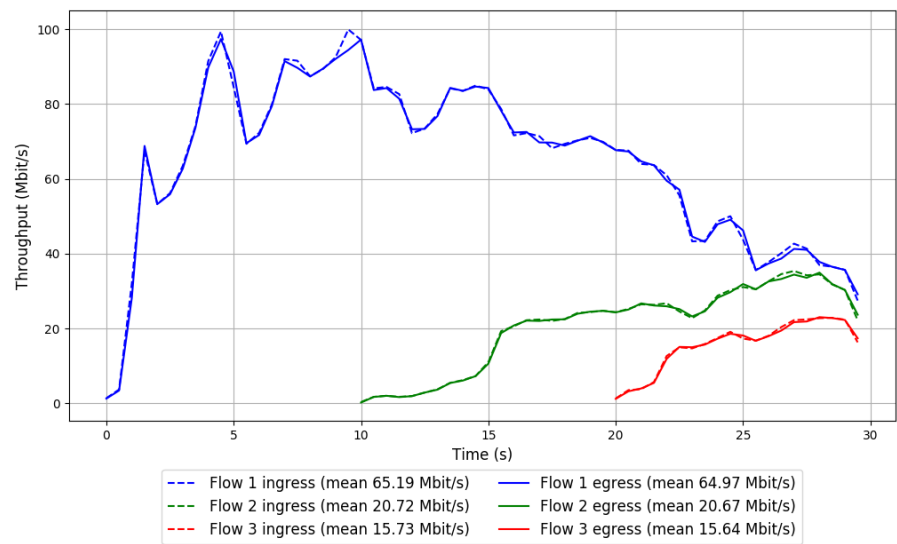


Run 8: Statistics of Vivace-latency

Start at: 2018-03-13 21:18:29
End at: 2018-03-13 21:18:59
Local clock offset: 0.716 ms
Remote clock offset: -4.001 ms

Below is generated by plot.py at 2018-03-13 23:28:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 44.537 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 64.97 Mbit/s
95th percentile per-packet one-way delay: 43.843 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 20.67 Mbit/s
95th percentile per-packet one-way delay: 46.703 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 15.64 Mbit/s
95th percentile per-packet one-way delay: 50.278 ms
Loss rate: 0.59%

Run 8: Report of Vivace-latency — Data Link

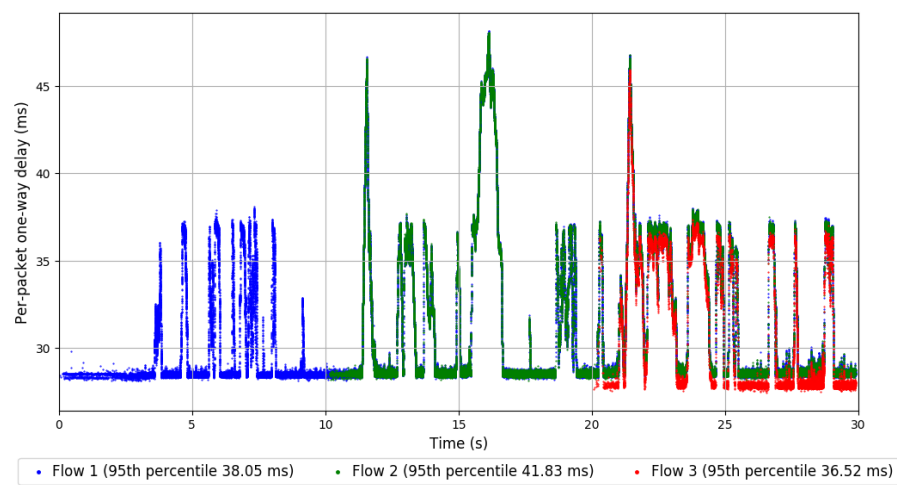
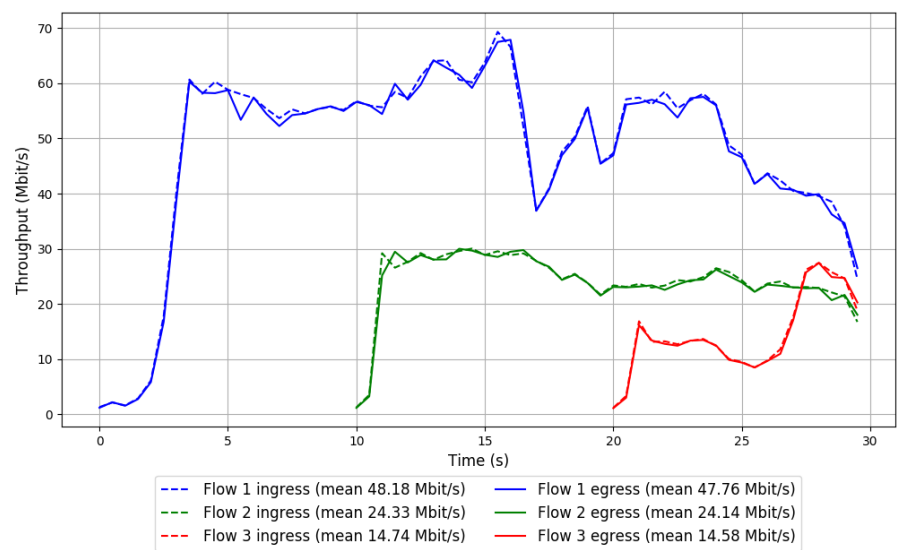


Run 9: Statistics of Vivace-latency

Start at: 2018-03-13 21:43:36
End at: 2018-03-13 21:44:06
Local clock offset: 0.857 ms
Remote clock offset: -4.599 ms

Below is generated by plot.py at 2018-03-13 23:28:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.61 Mbit/s
95th percentile per-packet one-way delay: 38.895 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 38.054 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 41.834 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 36.522 ms
Loss rate: 1.10%

Run 9: Report of Vivace-latency — Data Link

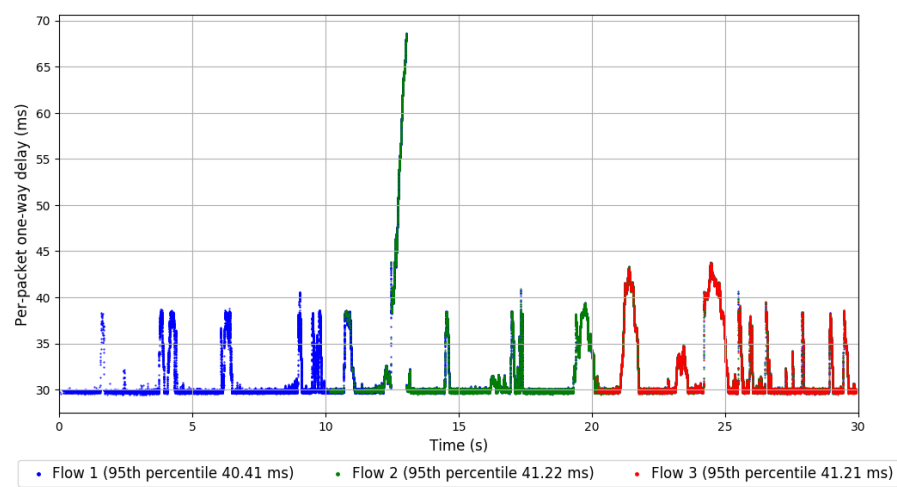
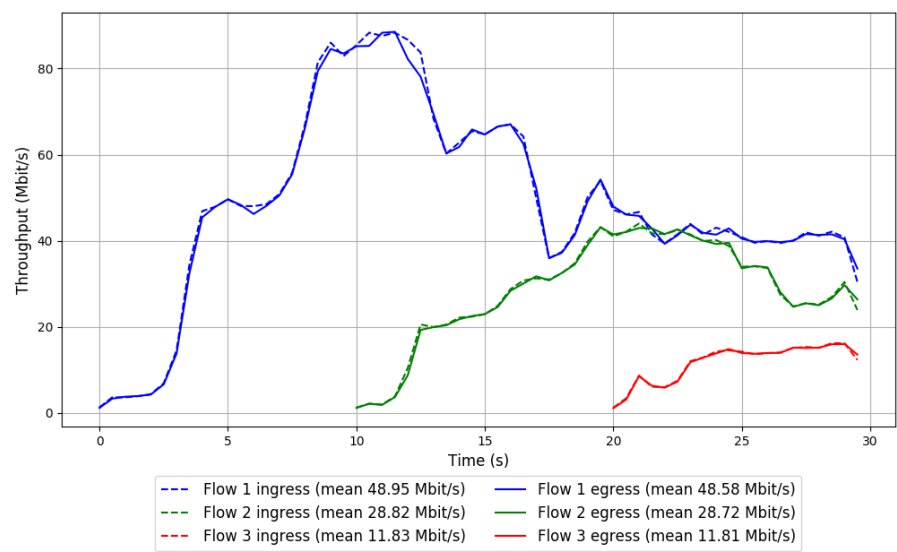


Run 10: Statistics of Vivace-latency

Start at: 2018-03-13 22:10:06
End at: 2018-03-13 22:10:36
Local clock offset: 0.877 ms
Remote clock offset: -2.479 ms

Below is generated by plot.py at 2018-03-13 23:28:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.57 Mbit/s
95th percentile per-packet one-way delay: 40.865 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 40.407 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 41.220 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 41.207 ms
Loss rate: 0.23%

Run 10: Report of Vivace-latency — Data Link

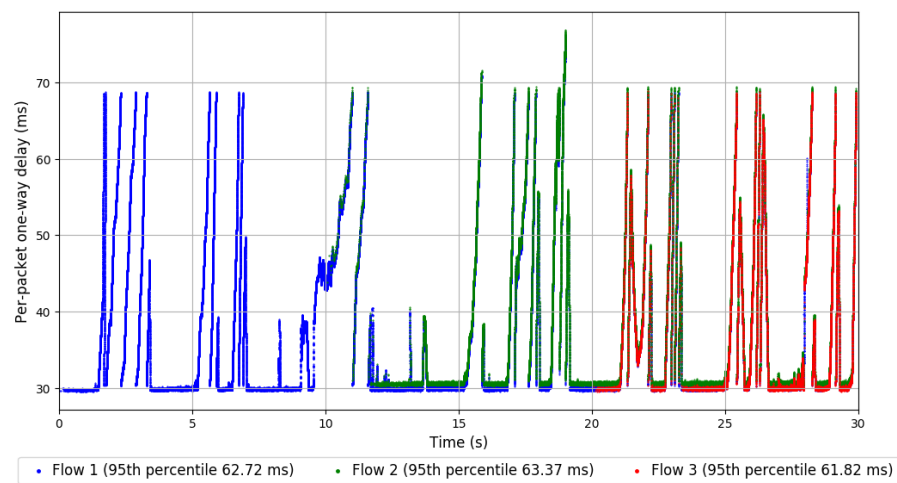
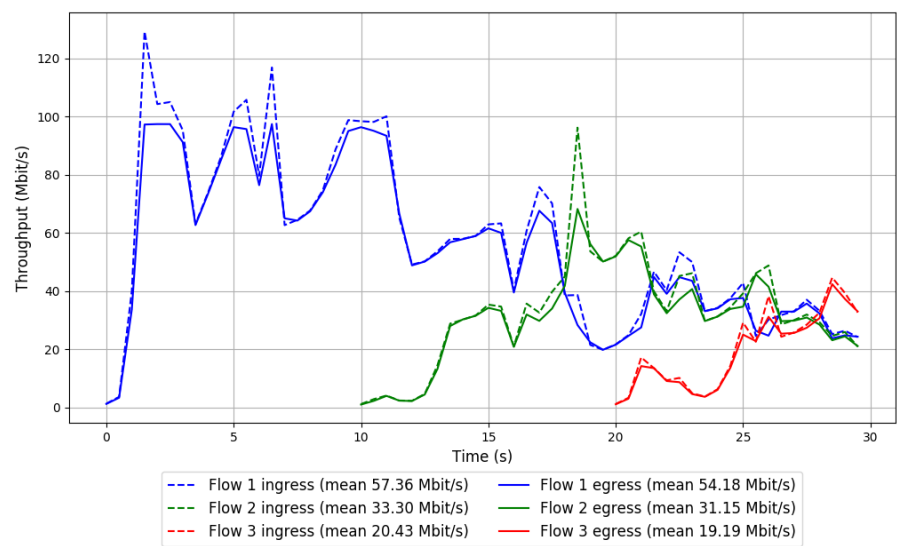


Run 1: Statistics of Vivace-loss

Start at: 2018-03-13 18:30:31
End at: 2018-03-13 18:31:01
Local clock offset: 1.761 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-03-13 23:28:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.22 Mbit/s
95th percentile per-packet one-way delay: 62.804 ms
Loss rate: 5.73%
-- Flow 1:
Average throughput: 54.18 Mbit/s
95th percentile per-packet one-way delay: 62.717 ms
Loss rate: 5.46%
-- Flow 2:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 63.365 ms
Loss rate: 6.41%
-- Flow 3:
Average throughput: 19.19 Mbit/s
95th percentile per-packet one-way delay: 61.822 ms
Loss rate: 5.82%

Run 1: Report of Vivace-loss — Data Link

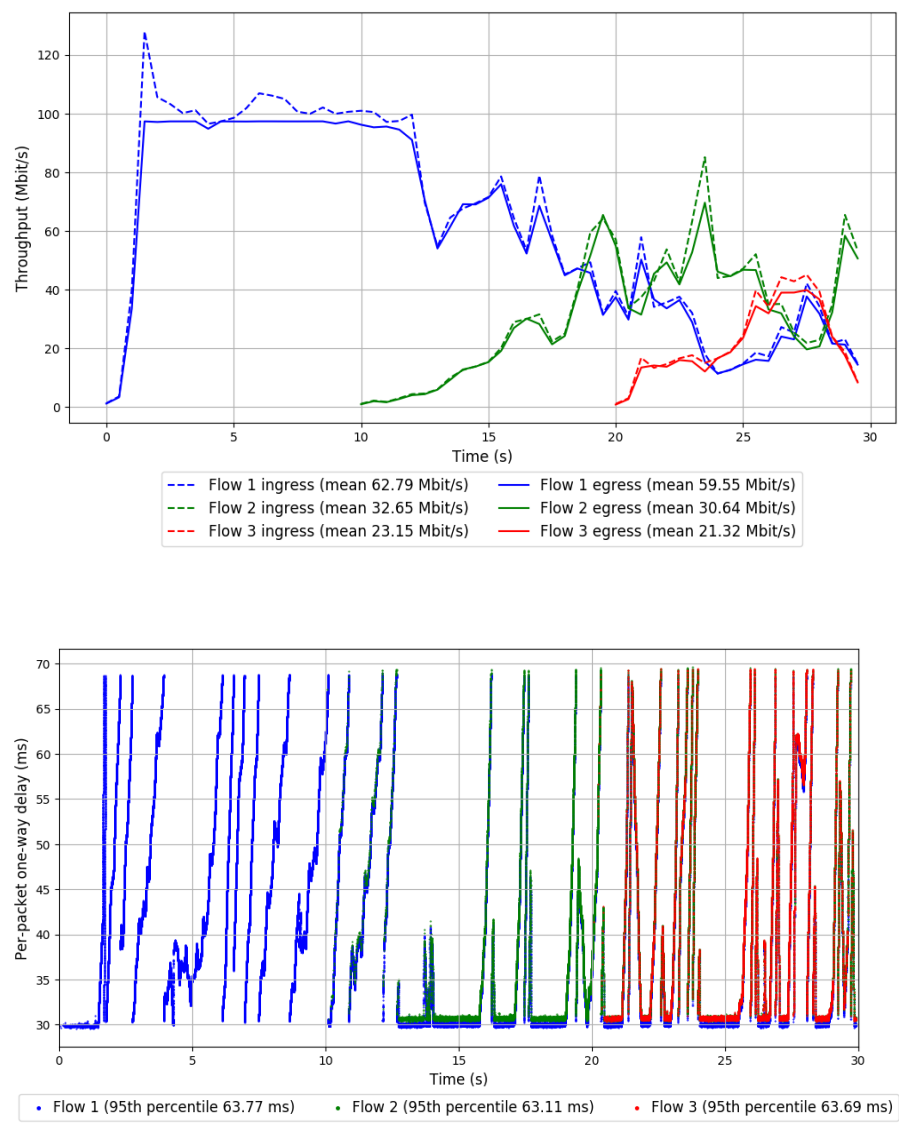


Run 2: Statistics of Vivace-loss

Start at: 2018-03-13 18:55:10
End at: 2018-03-13 18:55:40
Local clock offset: 1.021 ms
Remote clock offset: -1.753 ms

Below is generated by plot.py at 2018-03-13 23:28:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 63.640 ms
Loss rate: 5.66%
-- Flow 1:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 63.769 ms
Loss rate: 5.15%
-- Flow 2:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 63.110 ms
Loss rate: 6.32%
-- Flow 3:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 63.685 ms
Loss rate: 7.99%

Run 2: Report of Vivace-loss — Data Link

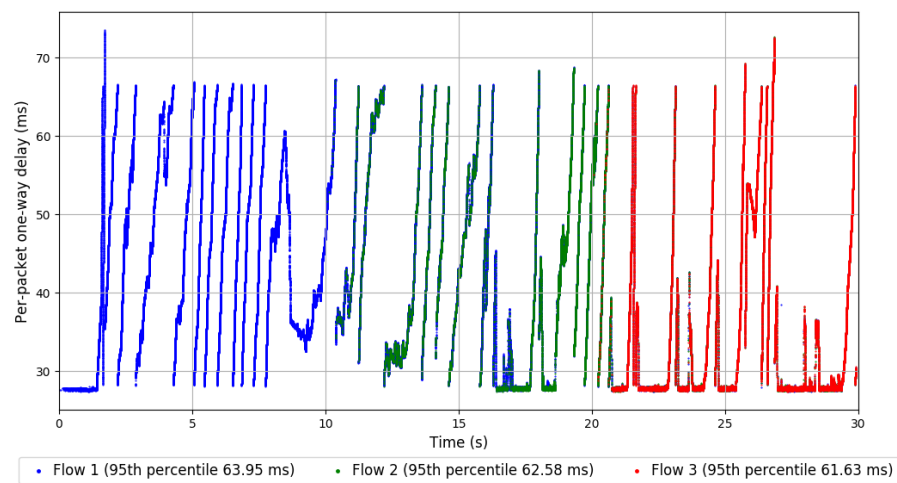
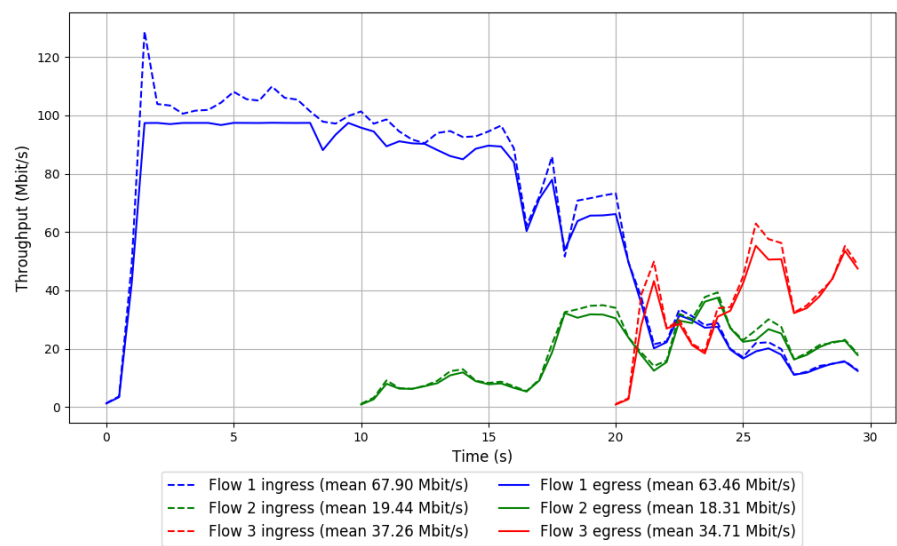


Run 3: Statistics of Vivace-loss

Start at: 2018-03-13 19:20:03
End at: 2018-03-13 19:20:33
Local clock offset: 0.962 ms
Remote clock offset: -3.979 ms

Below is generated by plot.py at 2018-03-13 23:29:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.02 Mbit/s
95th percentile per-packet one-way delay: 63.713 ms
Loss rate: 6.52%
-- Flow 1:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 63.949 ms
Loss rate: 6.53%
-- Flow 2:
Average throughput: 18.31 Mbit/s
95th percentile per-packet one-way delay: 62.578 ms
Loss rate: 5.91%
-- Flow 3:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 61.628 ms
Loss rate: 7.07%

Run 3: Report of Vivace-loss — Data Link

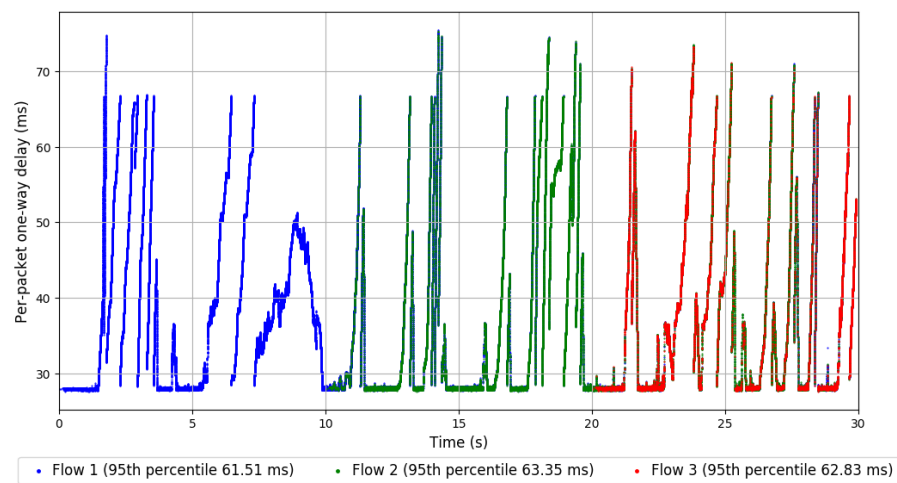
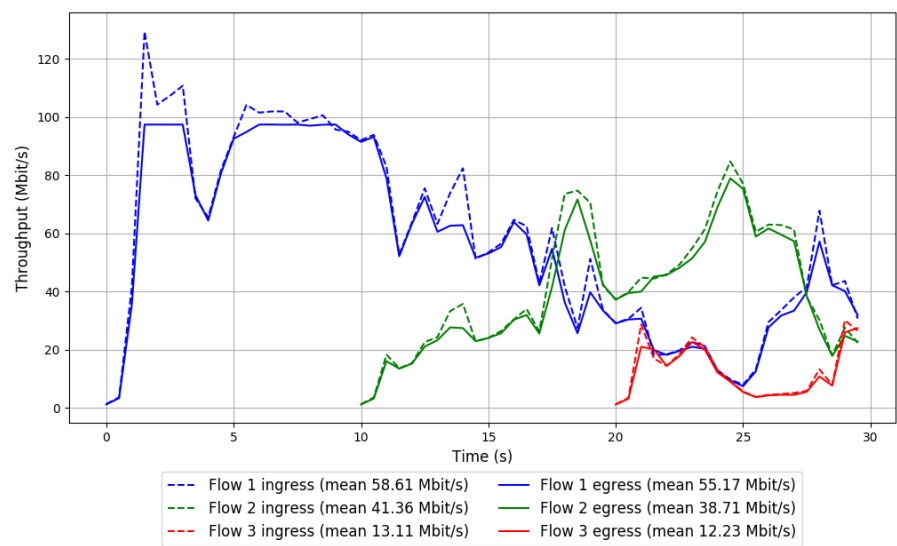


Run 4: Statistics of Vivace-loss

Start at: 2018-03-13 19:44:46
End at: 2018-03-13 19:45:16
Local clock offset: 0.787 ms
Remote clock offset: -3.169 ms

```
# Below is generated by plot.py at 2018-03-13 23:29:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.96 Mbit/s
95th percentile per-packet one-way delay: 62.143 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 55.17 Mbit/s
95th percentile per-packet one-way delay: 61.505 ms
Loss rate: 5.79%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 63.354 ms
Loss rate: 6.28%
-- Flow 3:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 62.831 ms
Loss rate: 6.44%
```

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-13 20:09:21

End at: 2018-03-13 20:09:51

Local clock offset: 0.821 ms

Remote clock offset: -1.83 ms

Below is generated by plot.py at 2018-03-13 23:29:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.80 Mbit/s

95th percentile per-packet one-way delay: 64.967 ms

Loss rate: 6.44%

-- Flow 1:

Average throughput: 58.44 Mbit/s

95th percentile per-packet one-way delay: 64.898 ms

Loss rate: 6.34%

-- Flow 2:

Average throughput: 23.73 Mbit/s

95th percentile per-packet one-way delay: 64.994 ms

Loss rate: 7.13%

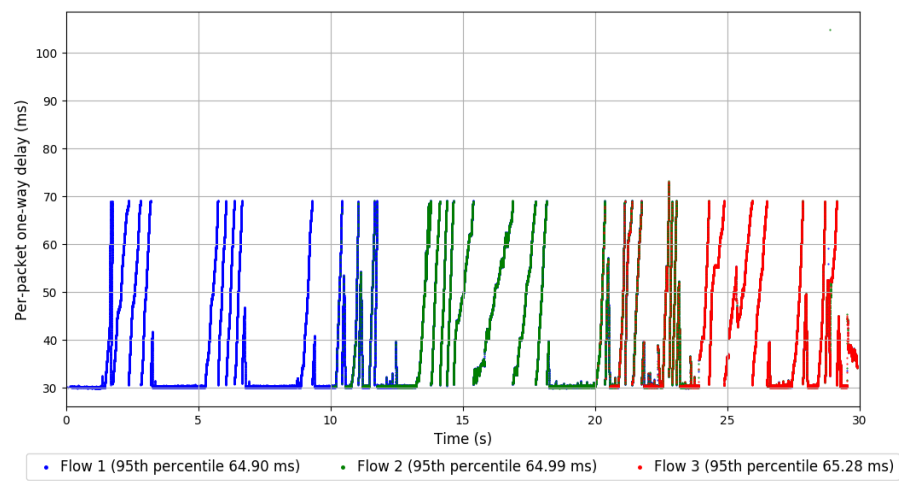
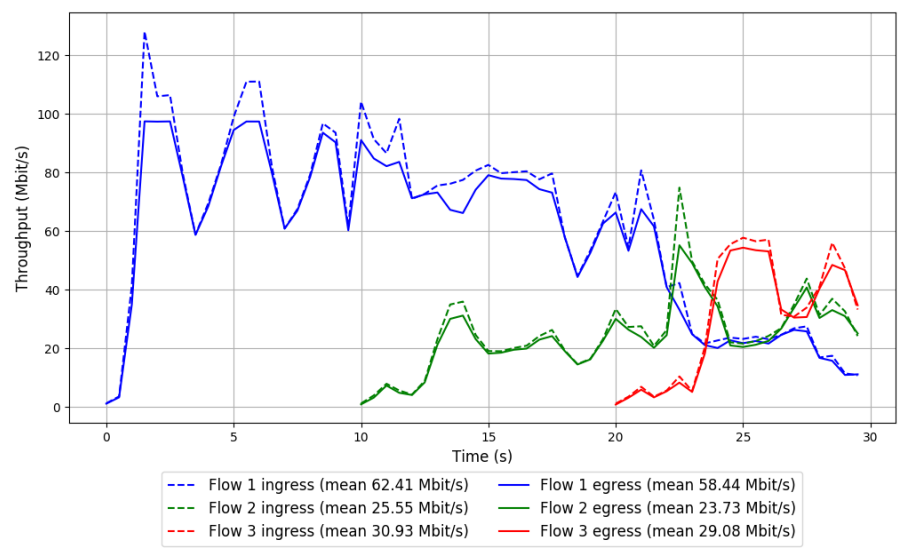
-- Flow 3:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 65.284 ms

Loss rate: 5.94%

Run 5: Report of Vivace-loss — Data Link

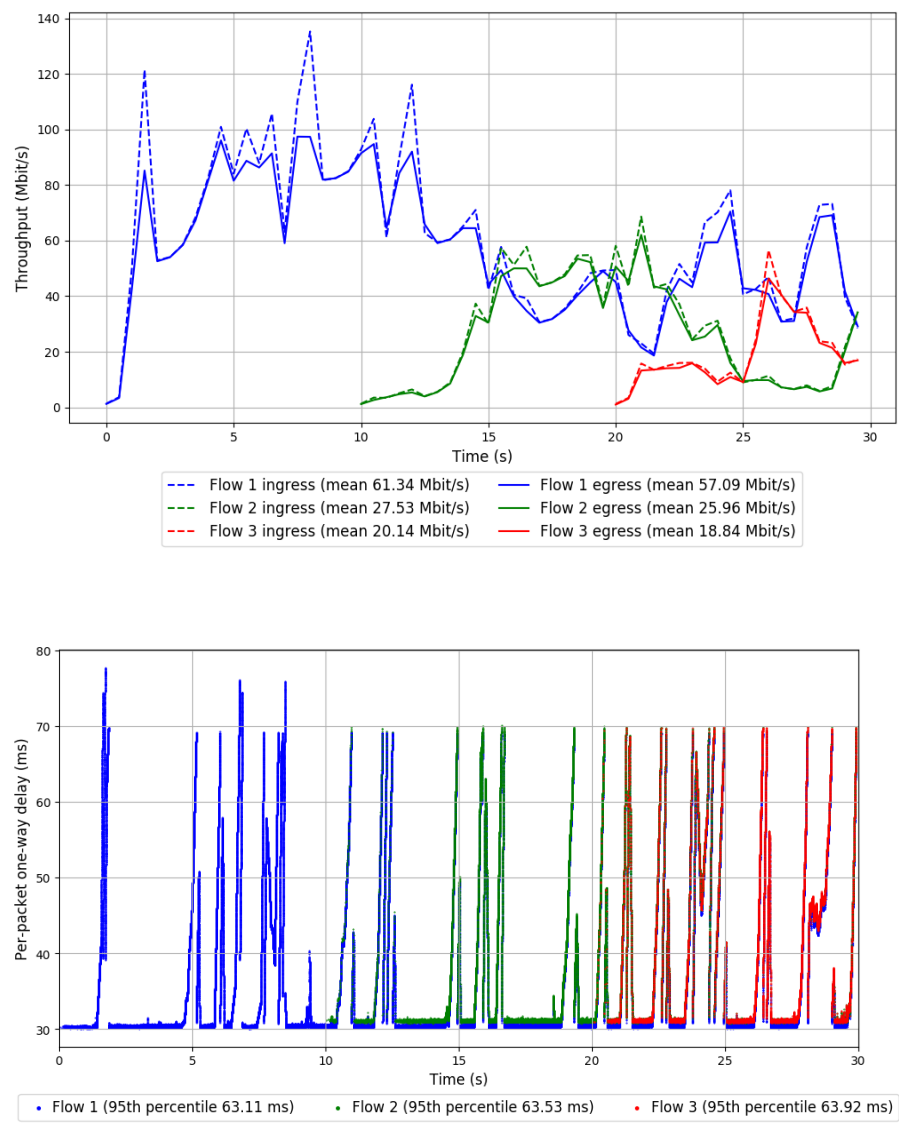


Run 6: Statistics of Vivace-loss

Start at: 2018-03-13 20:33:58
End at: 2018-03-13 20:34:28
Local clock offset: 1.034 ms
Remote clock offset: -1.707 ms

Below is generated by plot.py at 2018-03-13 23:29:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.57 Mbit/s
95th percentile per-packet one-way delay: 63.287 ms
Loss rate: 6.56%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 63.110 ms
Loss rate: 6.87%
-- Flow 2:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 63.532 ms
Loss rate: 5.62%
-- Flow 3:
Average throughput: 18.84 Mbit/s
95th percentile per-packet one-way delay: 63.920 ms
Loss rate: 6.27%

Run 6: Report of Vivace-loss — Data Link

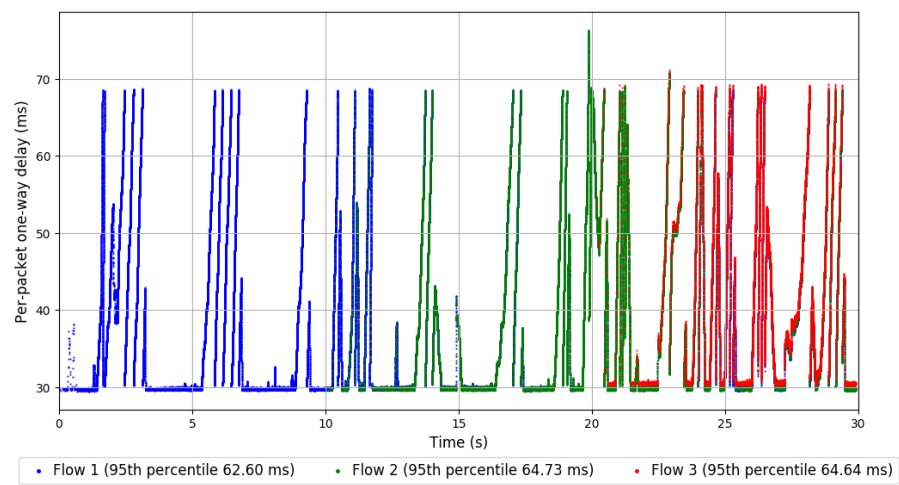
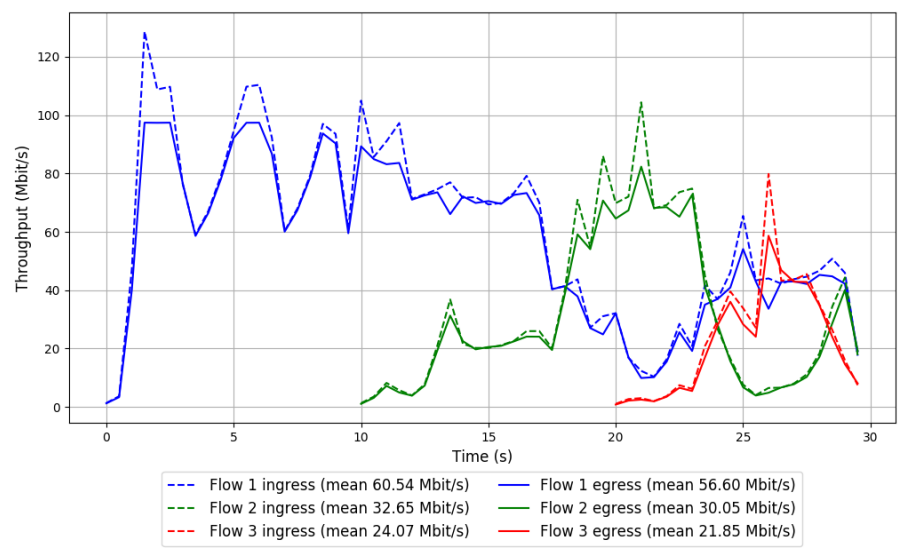


Run 7: Statistics of Vivace-loss

Start at: 2018-03-13 20:58:58
End at: 2018-03-13 20:59:28
Local clock offset: 1.101 ms
Remote clock offset: -2.137 ms

Below is generated by plot.py at 2018-03-13 23:29:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.75 Mbit/s
95th percentile per-packet one-way delay: 63.417 ms
Loss rate: 7.13%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 62.601 ms
Loss rate: 6.51%
-- Flow 2:
Average throughput: 30.05 Mbit/s
95th percentile per-packet one-way delay: 64.726 ms
Loss rate: 7.97%
-- Flow 3:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 64.642 ms
Loss rate: 9.52%

Run 7: Report of Vivace-loss — Data Link

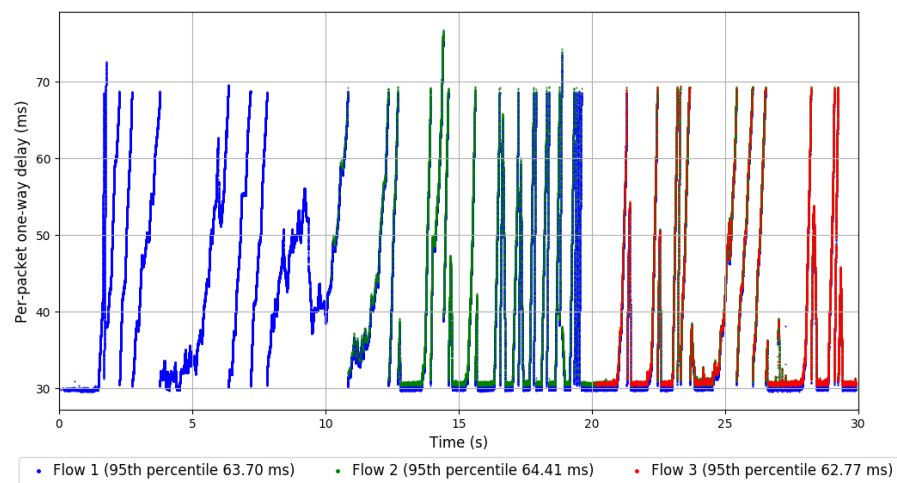
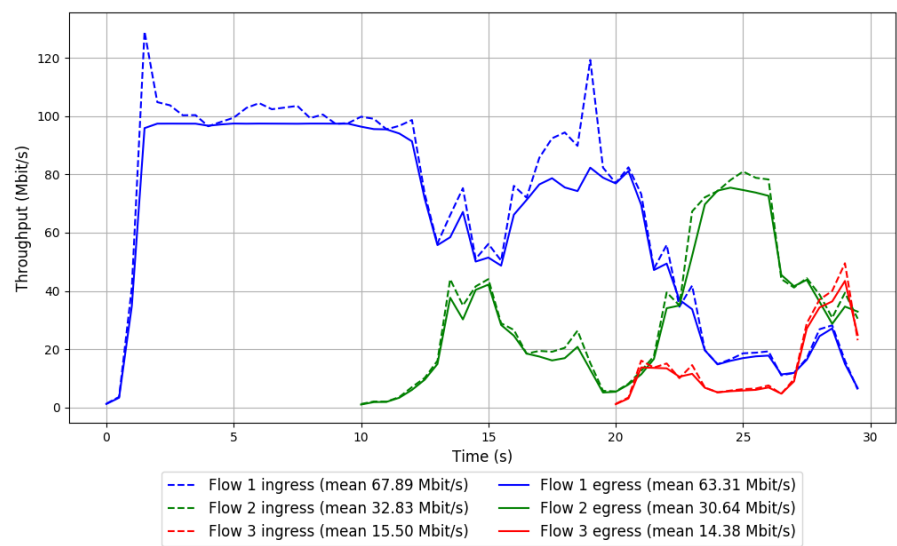


Run 8: Statistics of Vivace-loss

Start at: 2018-03-13 21:24:01
End at: 2018-03-13 21:24:31
Local clock offset: 0.771 ms
Remote clock offset: -1.828 ms

Below is generated by plot.py at 2018-03-13 23:30:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 63.818 ms
Loss rate: 6.77%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 63.702 ms
Loss rate: 6.75%
-- Flow 2:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 64.414 ms
Loss rate: 6.73%
-- Flow 3:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 62.773 ms
Loss rate: 7.23%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

Start at: 2018-03-13 21:49:26

End at: 2018-03-13 21:49:56

Local clock offset: 0.878 ms

Remote clock offset: -4.79 ms

Below is generated by plot.py at 2018-03-13 23:30:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.47 Mbit/s

95th percentile per-packet one-way delay: 60.055 ms

Loss rate: 4.55%

-- Flow 1:

Average throughput: 35.54 Mbit/s

95th percentile per-packet one-way delay: 59.205 ms

Loss rate: 4.47%

-- Flow 2:

Average throughput: 46.16 Mbit/s

95th percentile per-packet one-way delay: 60.743 ms

Loss rate: 4.57%

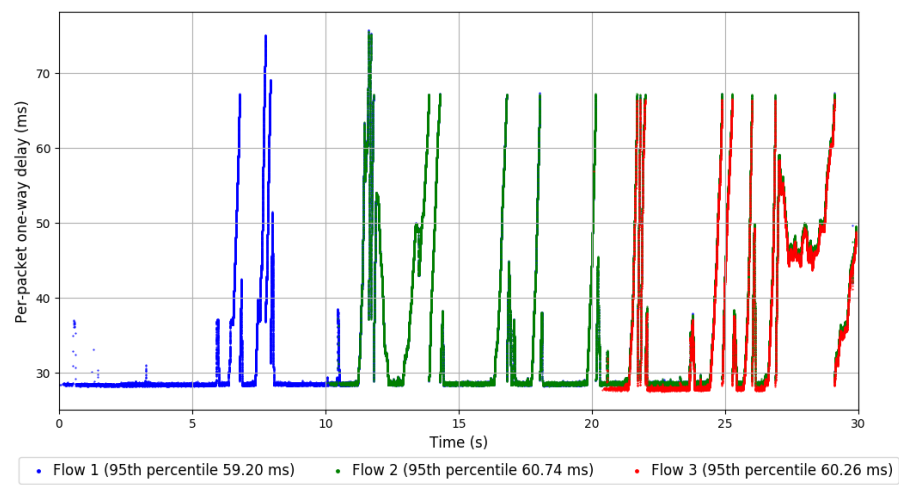
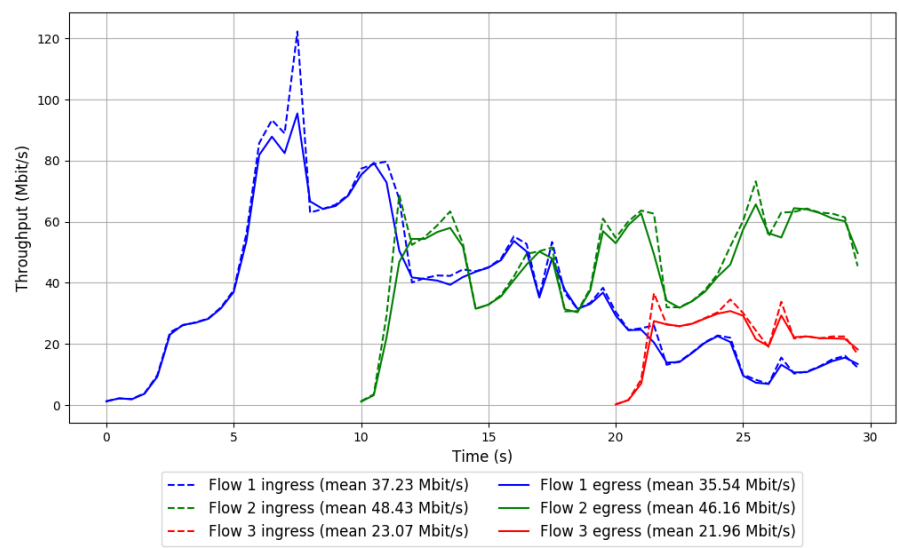
-- Flow 3:

Average throughput: 21.96 Mbit/s

95th percentile per-packet one-way delay: 60.258 ms

Loss rate: 4.89%

Run 9: Report of Vivace-loss — Data Link

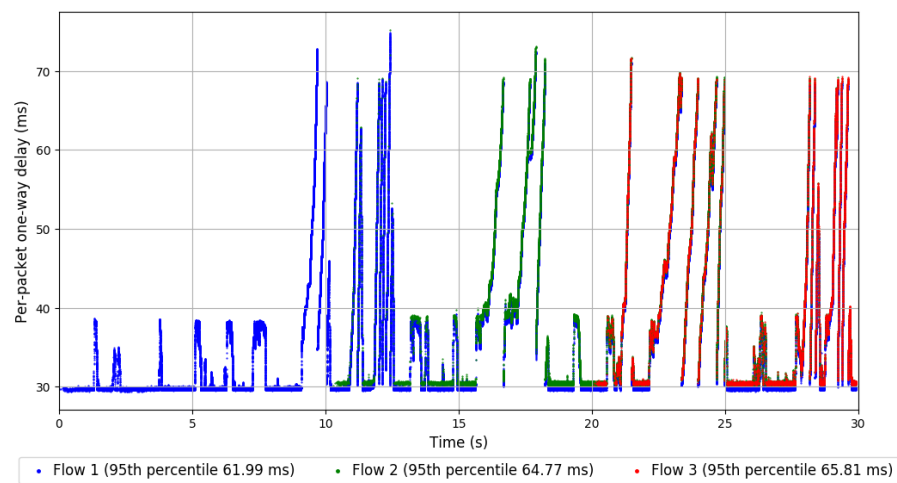
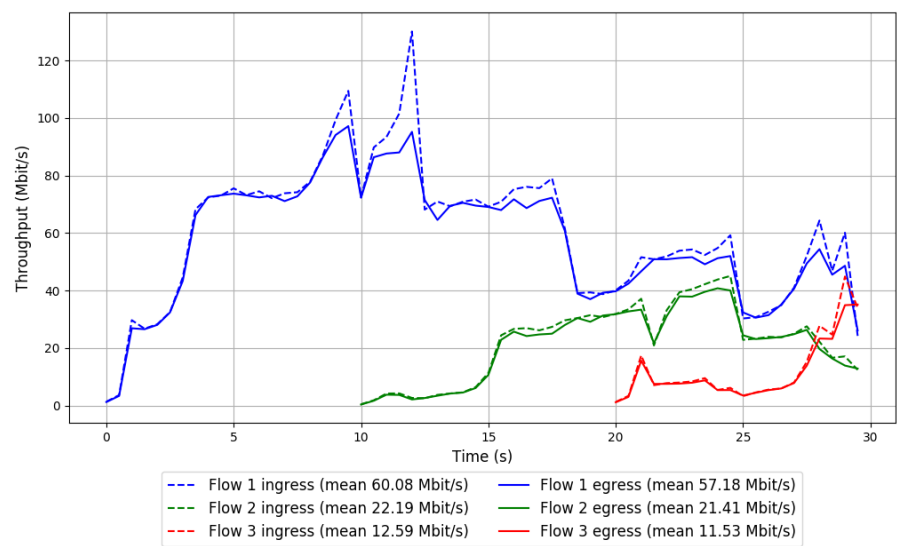


Run 10: Statistics of Vivace-loss

Start at: 2018-03-13 22:15:51
End at: 2018-03-13 22:16:21
Local clock offset: 0.869 ms
Remote clock offset: -2.054 ms

Below is generated by plot.py at 2018-03-13 23:30:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.03 Mbit/s
95th percentile per-packet one-way delay: 62.952 ms
Loss rate: 5.00%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 61.986 ms
Loss rate: 4.82%
-- Flow 2:
Average throughput: 21.41 Mbit/s
95th percentile per-packet one-way delay: 64.771 ms
Loss rate: 4.76%
-- Flow 3:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 65.807 ms
Loss rate: 8.41%

Run 10: Report of Vivace-loss — Data Link

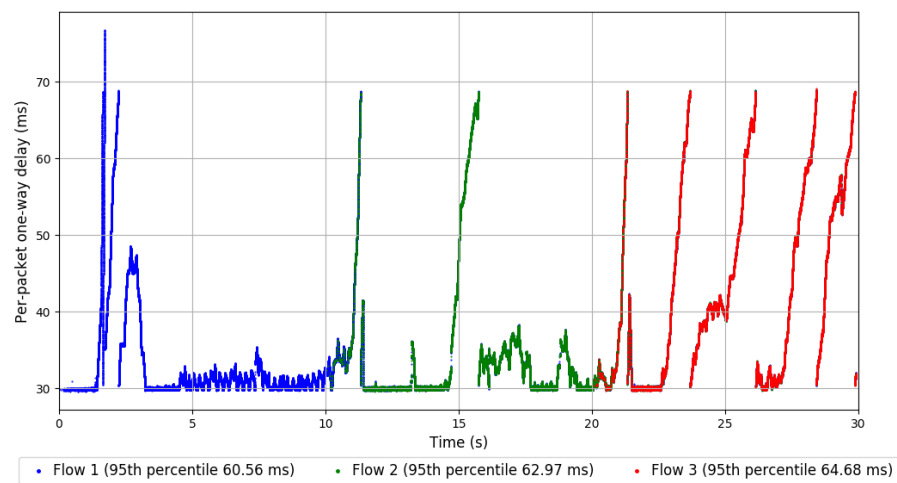
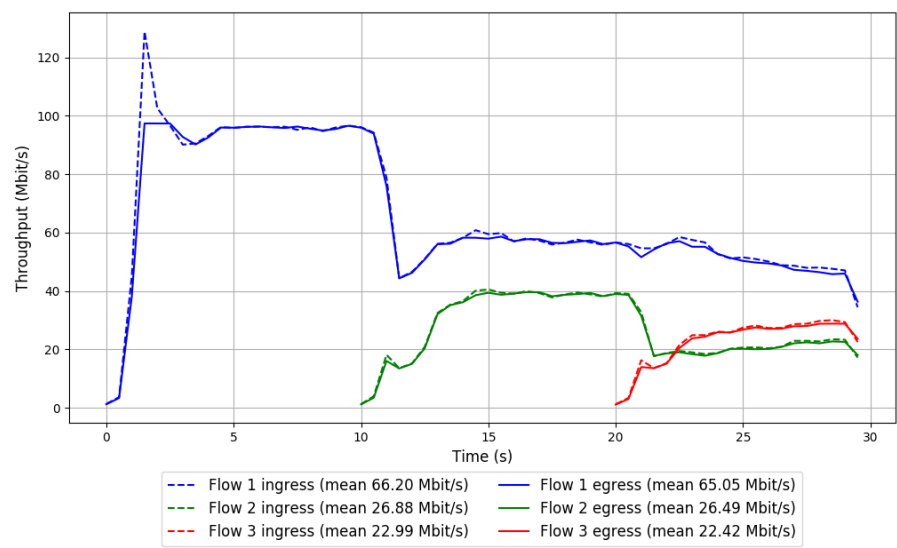


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-13 18:26:28
End at: 2018-03-13 18:26:58
Local clock offset: 1.667 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-03-13 23:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 61.787 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 65.05 Mbit/s
95th percentile per-packet one-way delay: 60.564 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 26.49 Mbit/s
95th percentile per-packet one-way delay: 62.969 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 64.679 ms
Loss rate: 2.44%

Run 1: Report of Vivace-LTE — Data Link

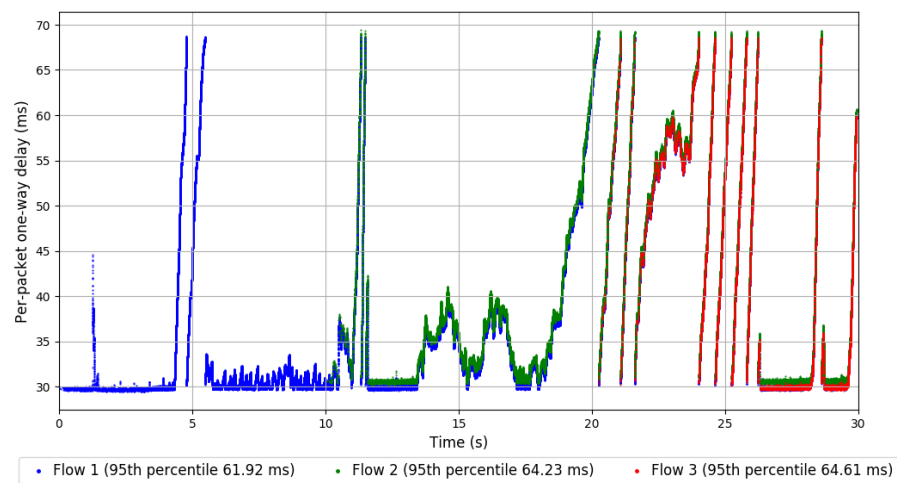
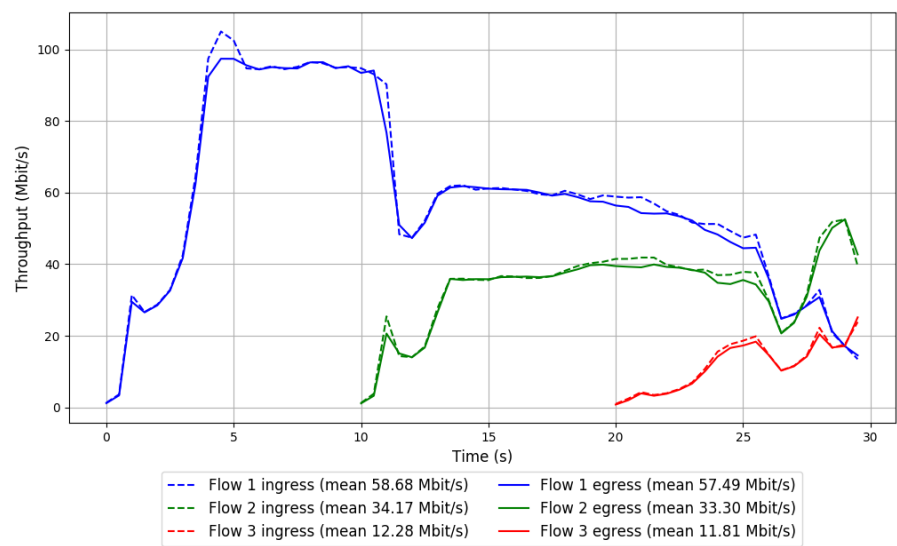


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-13 18:51:07
End at: 2018-03-13 18:51:37
Local clock offset: 1.23 ms
Remote clock offset: -1.531 ms

Below is generated by plot.py at 2018-03-13 23:30:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 62.989 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 61.923 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 64.232 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 64.606 ms
Loss rate: 3.83%

Run 2: Report of Vivace-LTE — Data Link

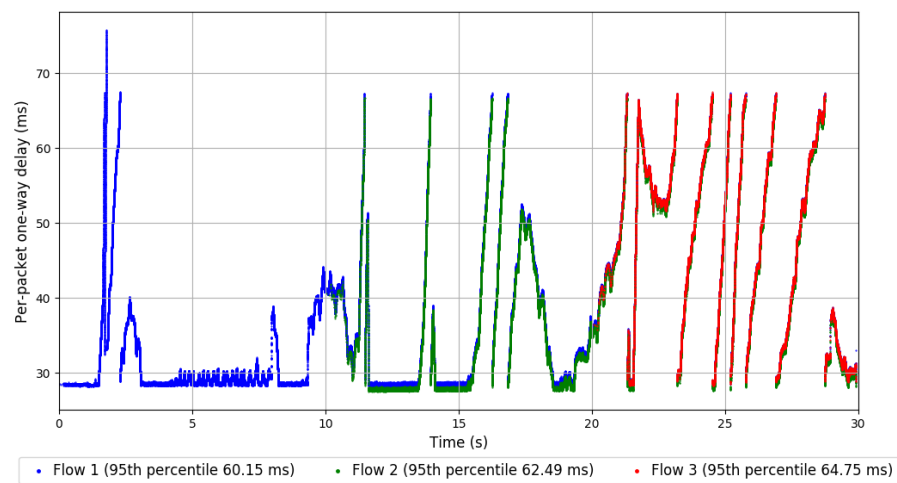
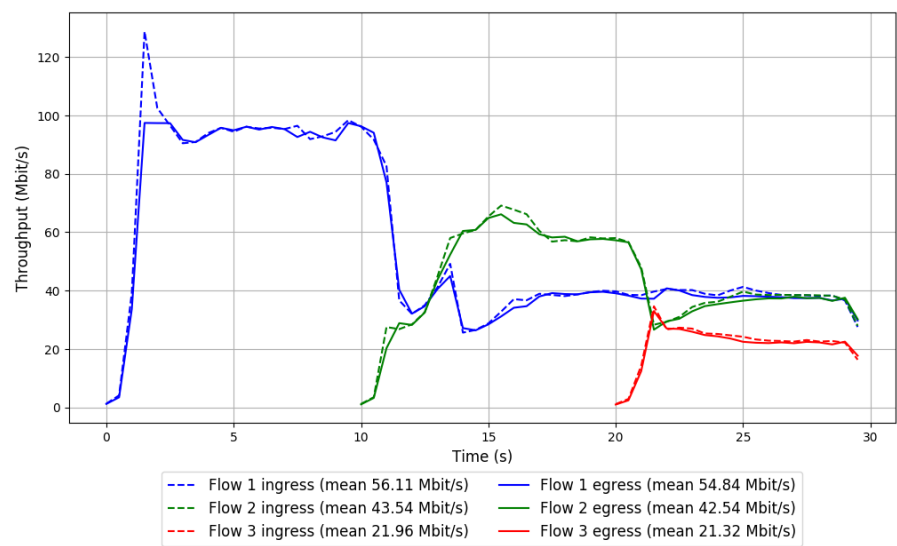


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-13 19:15:59
End at: 2018-03-13 19:16:29
Local clock offset: 0.853 ms
Remote clock offset: -4.279 ms

Below is generated by plot.py at 2018-03-13 23:31:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 61.699 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 54.84 Mbit/s
95th percentile per-packet one-way delay: 60.151 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 62.493 ms
Loss rate: 2.35%
-- Flow 3:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 64.752 ms
Loss rate: 2.97%

Run 3: Report of Vivace-LTE — Data Link

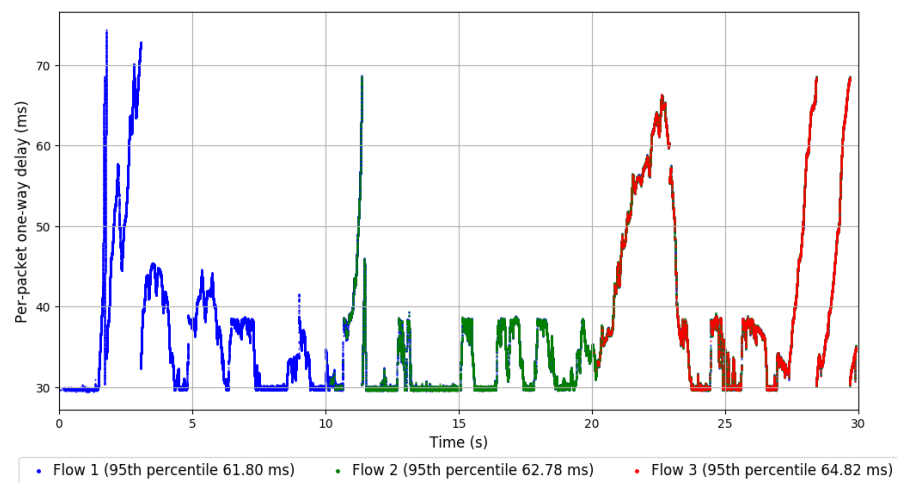
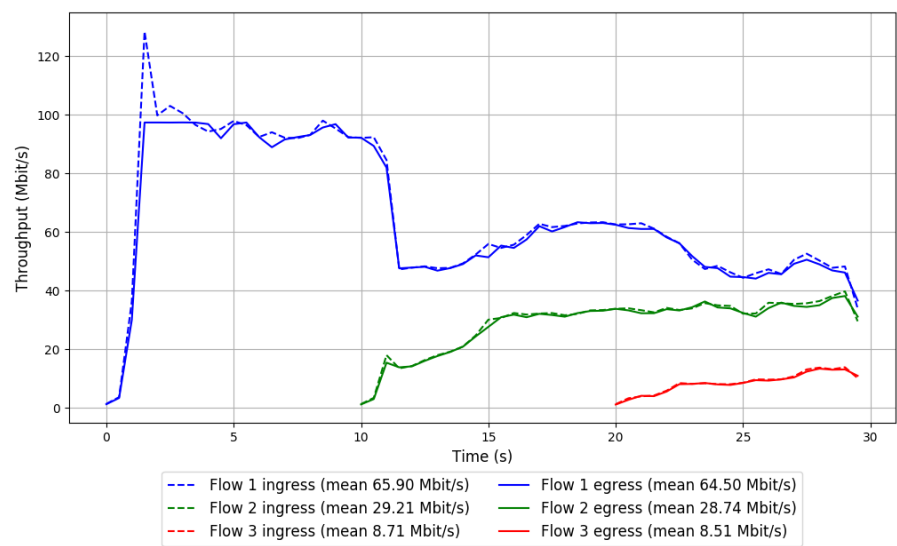


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-13 19:40:37
End at: 2018-03-13 19:41:07
Local clock offset: 0.886 ms
Remote clock offset: -1.271 ms

Below is generated by plot.py at 2018-03-13 23:31:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 62.284 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 64.50 Mbit/s
95th percentile per-packet one-way delay: 61.801 ms
Loss rate: 2.11%
-- Flow 2:
Average throughput: 28.74 Mbit/s
95th percentile per-packet one-way delay: 62.776 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 64.816 ms
Loss rate: 2.25%

Run 4: Report of Vivace-LTE — Data Link

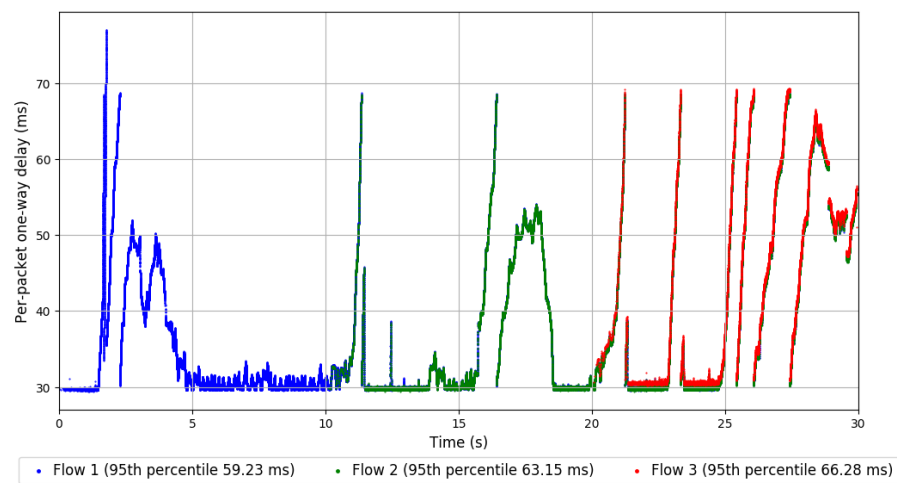
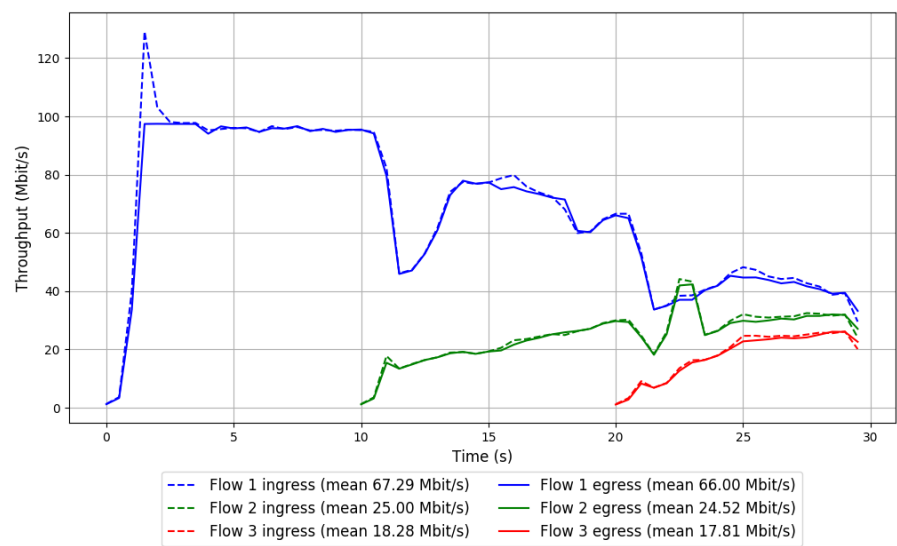


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-13 20:05:18
End at: 2018-03-13 20:05:48
Local clock offset: 0.832 ms
Remote clock offset: -2.174 ms

Below is generated by plot.py at 2018-03-13 23:31:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 61.391 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 66.00 Mbit/s
95th percentile per-packet one-way delay: 59.227 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 63.148 ms
Loss rate: 1.79%
-- Flow 3:
Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 66.277 ms
Loss rate: 2.35%

Run 5: Report of Vivace-LTE — Data Link

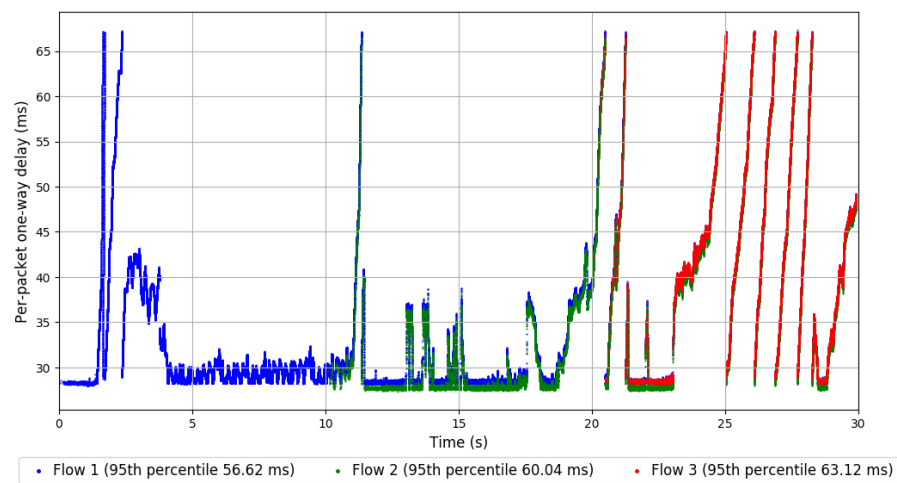
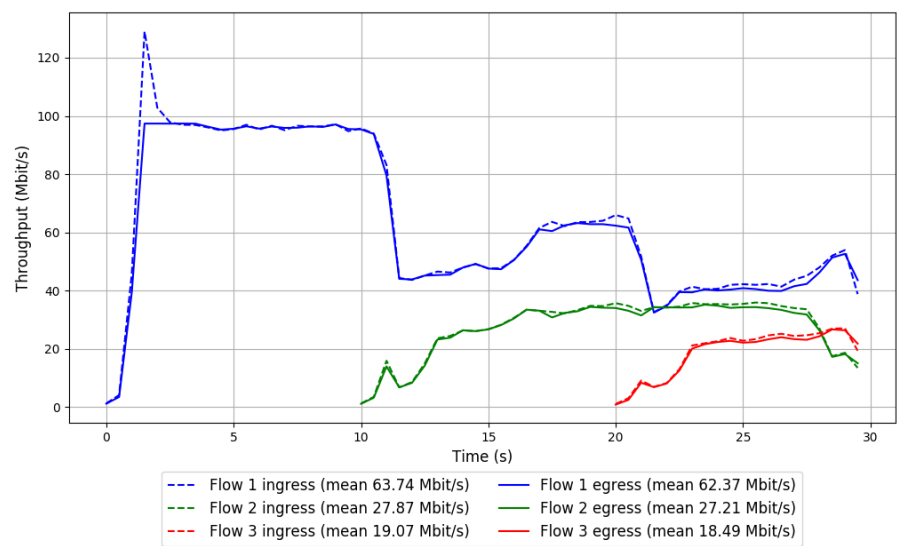


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-13 20:29:54
End at: 2018-03-13 20:30:24
Local clock offset: 1.051 ms
Remote clock offset: -4.412 ms

Below is generated by plot.py at 2018-03-13 23:31:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.56 Mbit/s
95th percentile per-packet one-way delay: 58.761 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 62.37 Mbit/s
95th percentile per-packet one-way delay: 56.621 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 27.21 Mbit/s
95th percentile per-packet one-way delay: 60.037 ms
Loss rate: 2.27%
-- Flow 3:
Average throughput: 18.49 Mbit/s
95th percentile per-packet one-way delay: 63.117 ms
Loss rate: 2.99%

Run 6: Report of Vivace-LTE — Data Link

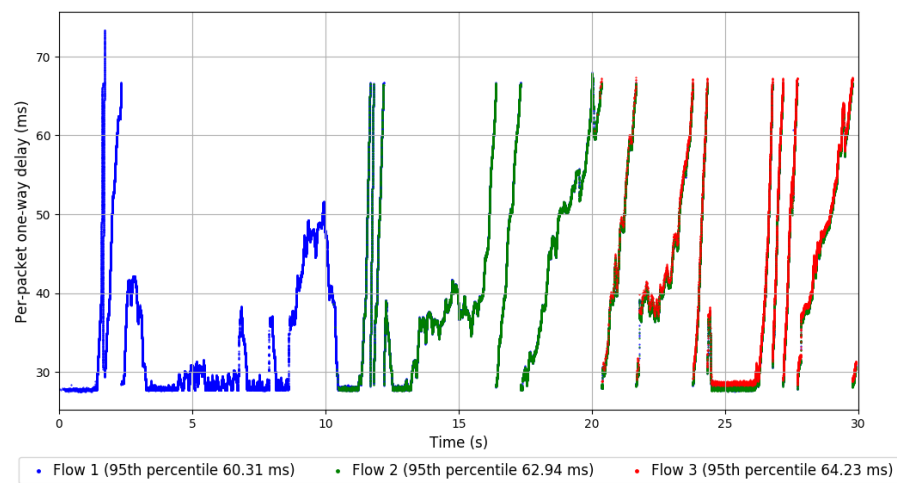
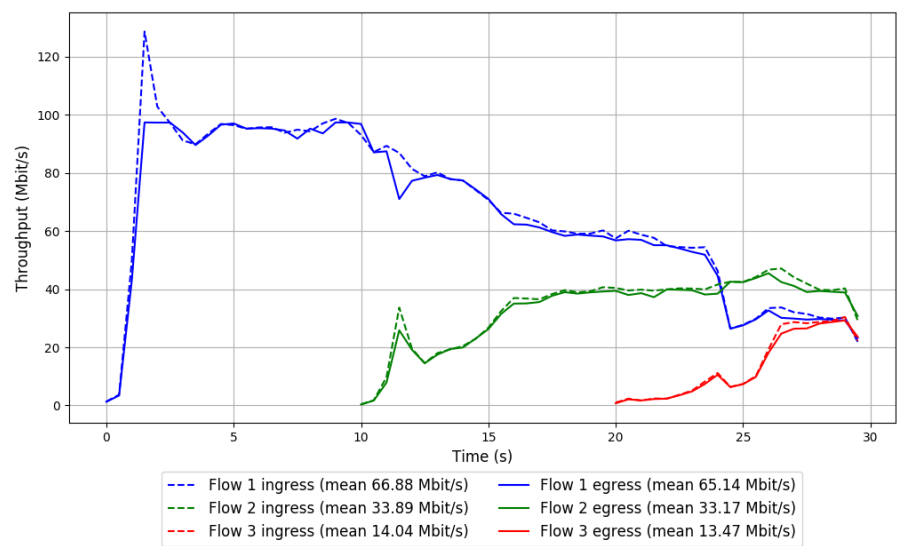


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-13 20:54:48
End at: 2018-03-13 20:55:18
Local clock offset: 1.21 ms
Remote clock offset: -4.122 ms

Below is generated by plot.py at 2018-03-13 23:31:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.32 Mbit/s
95th percentile per-packet one-way delay: 61.677 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 65.14 Mbit/s
95th percentile per-packet one-way delay: 60.306 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 62.936 ms
Loss rate: 3.41%
-- Flow 3:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 64.226 ms
Loss rate: 4.39%

Run 7: Report of Vivace-LTE — Data Link

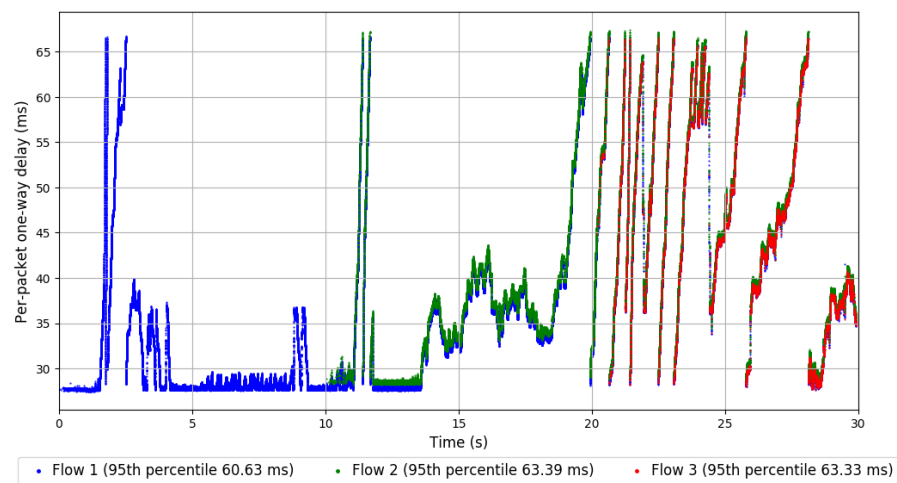
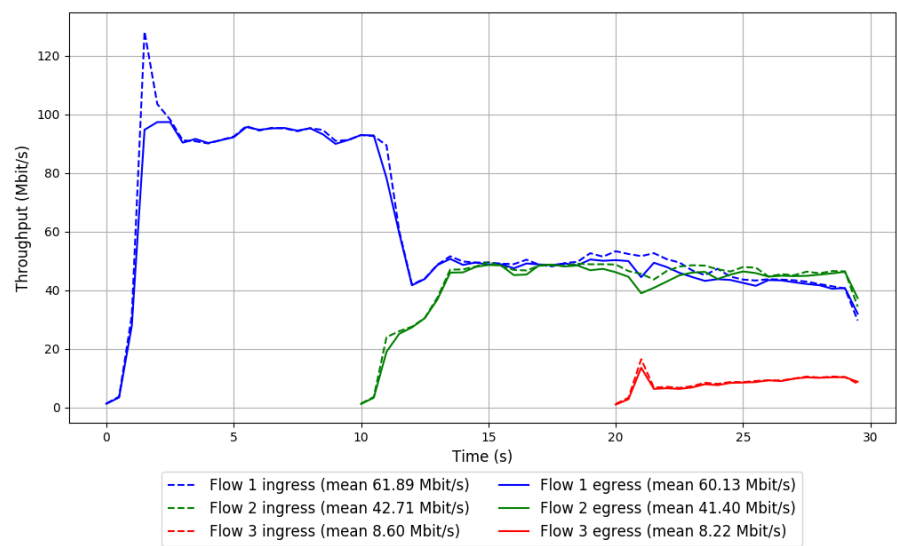


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-13 21:19:53
End at: 2018-03-13 21:20:23
Local clock offset: 0.791 ms
Remote clock offset: -3.942 ms

Below is generated by plot.py at 2018-03-13 23:31:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 62.087 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 60.631 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 63.388 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 63.331 ms
Loss rate: 4.37%

Run 8: Report of Vivace-LTE — Data Link

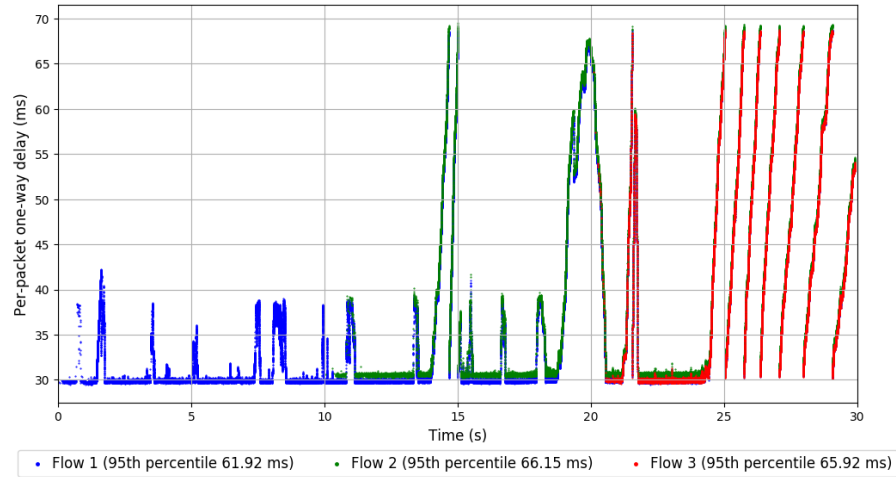
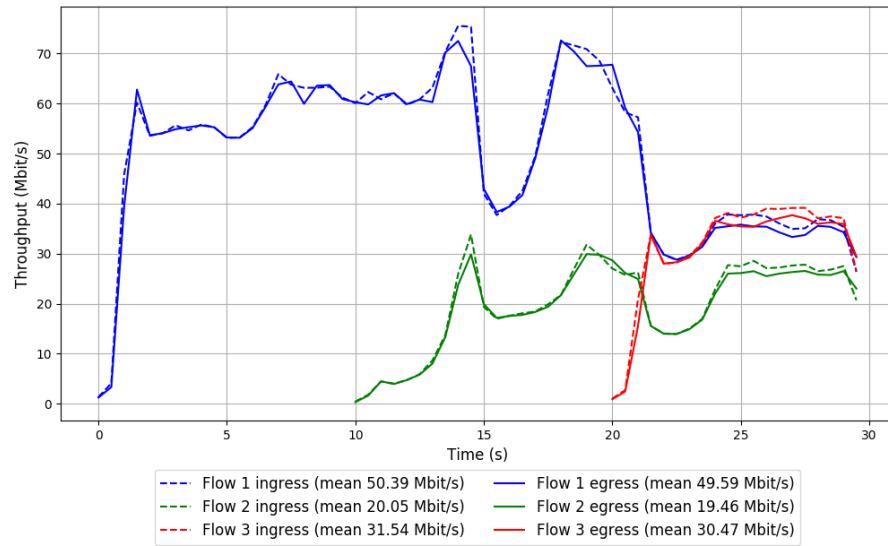


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-13 21:45:10
End at: 2018-03-13 21:45:40
Local clock offset: 0.872 ms
Remote clock offset: -2.608 ms

Below is generated by plot.py at 2018-03-13 23:31:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.56 Mbit/s
95th percentile per-packet one-way delay: 63.858 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 61.918 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 19.46 Mbit/s
95th percentile per-packet one-way delay: 66.152 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 65.923 ms
Loss rate: 3.49%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-13 22:11:36
End at: 2018-03-13 22:12:06
Local clock offset: 0.888 ms
Remote clock offset: -4.456 ms

Below is generated by plot.py at 2018-03-13 23:31:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 63.426 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 62.862 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 19.24 Mbit/s
95th percentile per-packet one-way delay: 64.951 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 15.78 Mbit/s
95th percentile per-packet one-way delay: 64.455 ms
Loss rate: 3.18%

Run 10: Report of Vivace-LTE — Data Link

