

Pantheon Report

Generated at 2018-02-05 02:34:28 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

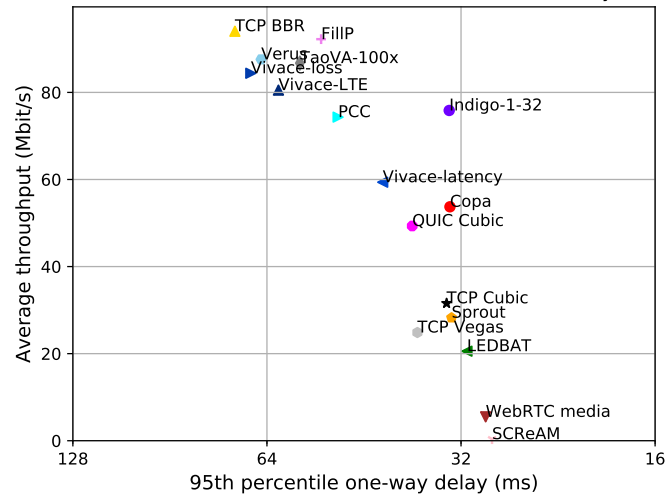
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

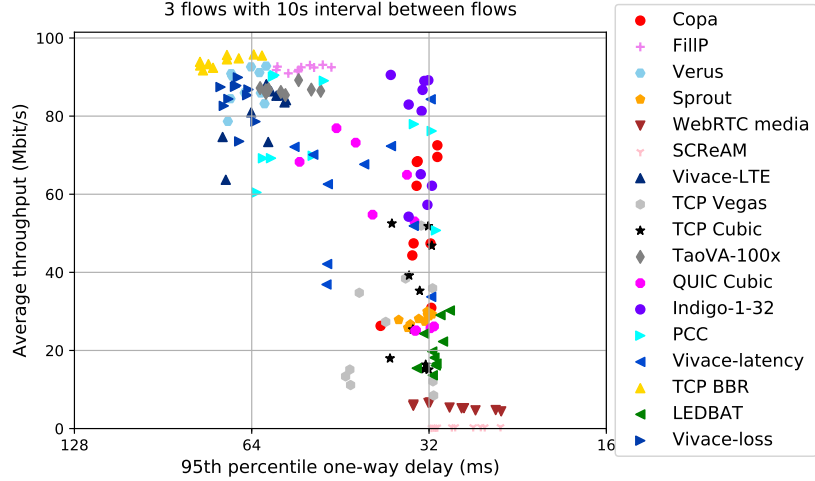
Git summary:

```
branch: master @ 70217998b3c9a7166a95460a70c0854d1326e100
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ fb9c9ab842e5614ad52911a76fb9bd1c1b0dca86
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



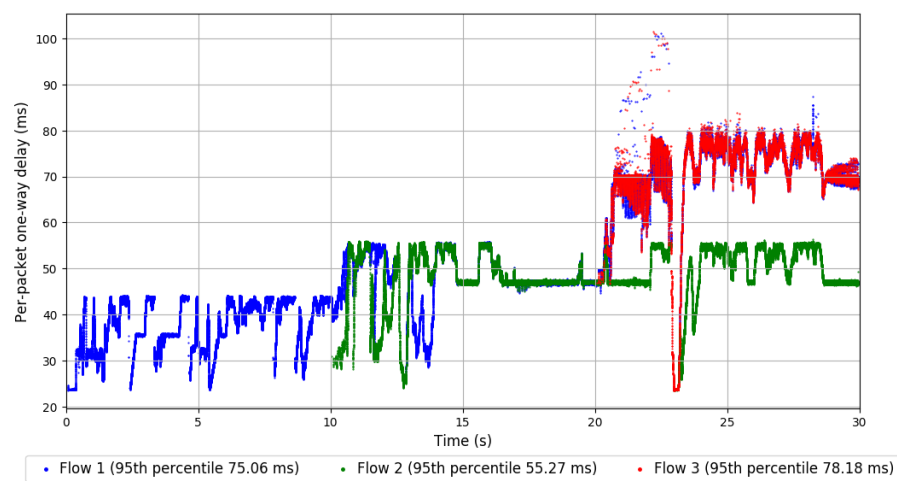
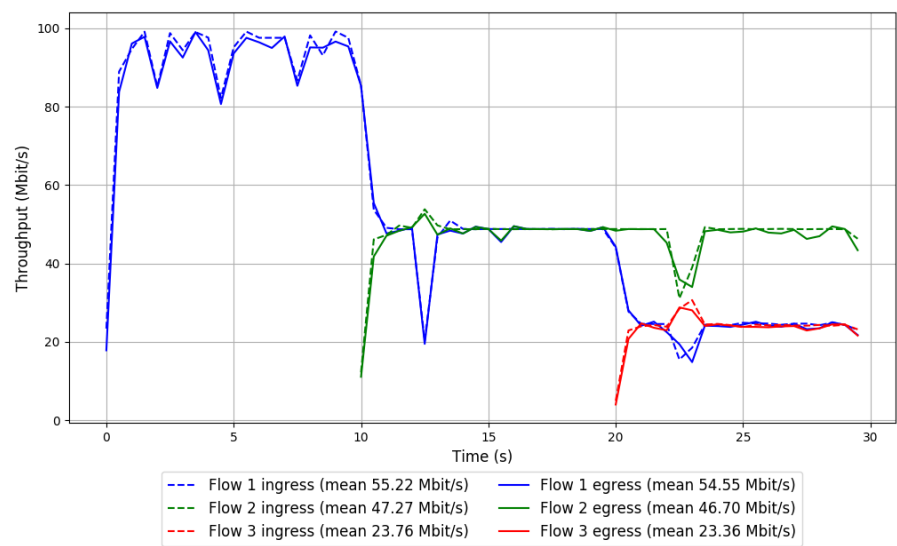
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	57.24	37.75	35.43	66.55	71.03	65.83	1.40	1.51	2.20
TCP Cubic	10	14.57	15.80	19.62	33.43	34.55	34.15	0.70	0.82	1.23
LEDBAT	10	10.99	10.51	8.47	31.06	31.45	31.61	0.76	0.94	1.48
PCC	10	51.64	24.16	20.15	46.12	47.32	51.21	1.01	1.18	1.44
QUIC Cubic	10	24.78	23.72	26.74	34.23	37.48	38.39	0.83	0.90	1.15
SCReAM	10	0.16	0.19	0.20	28.81	28.53	28.26	0.98	0.78	0.81
WebRTC media	10	2.86	1.88	0.76	29.19	29.22	29.59	1.03	1.12	1.09
Sprout	10	14.36	14.19	13.57	32.77	33.22	33.80	0.89	0.94	1.29
TaoVA-100x	10	50.42	38.51	32.31	54.29	58.20	59.32	1.30	1.60	2.18
TCP Vegas	10	11.67	13.06	13.66	35.74	34.71	39.25	1.16	1.03	1.50
Verus	10	52.66	39.41	26.46	60.44	61.80	70.67	1.35	1.38	2.08
Copa	10	29.87	25.82	20.17	32.42	33.17	36.38	0.96	1.16	1.43
FillP	10	56.98	38.86	28.52	50.12	52.46	55.37	1.42	1.73	2.72
Indigo-1-32	10	45.36	30.64	31.15	33.08	33.90	34.47	1.12	1.34	1.64
Vivace-latency	10	41.38	21.84	10.64	40.63	42.45	36.58	1.10	1.47	2.02
Vivace-loss	10	54.46	33.82	22.74	60.67	65.59	70.81	1.41	1.58	2.62
Vivace-LTE	10	52.82	32.35	18.93	53.79	59.84	65.27	1.40	1.55	2.73

Run 1: Statistics of TCP BBR

Start at: 2018-02-04 17:24:45
End at: 2018-02-04 17:25:15
Local clock offset: 0.108 ms
Remote clock offset: -2.461 ms

Below is generated by plot.py at 2018-02-05 02:13:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 75.803 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 54.55 Mbit/s
95th percentile per-packet one-way delay: 75.064 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 46.70 Mbit/s
95th percentile per-packet one-way delay: 55.267 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 23.36 Mbit/s
95th percentile per-packet one-way delay: 78.177 ms
Loss rate: 2.44%

Run 1: Report of TCP BBR — Data Link

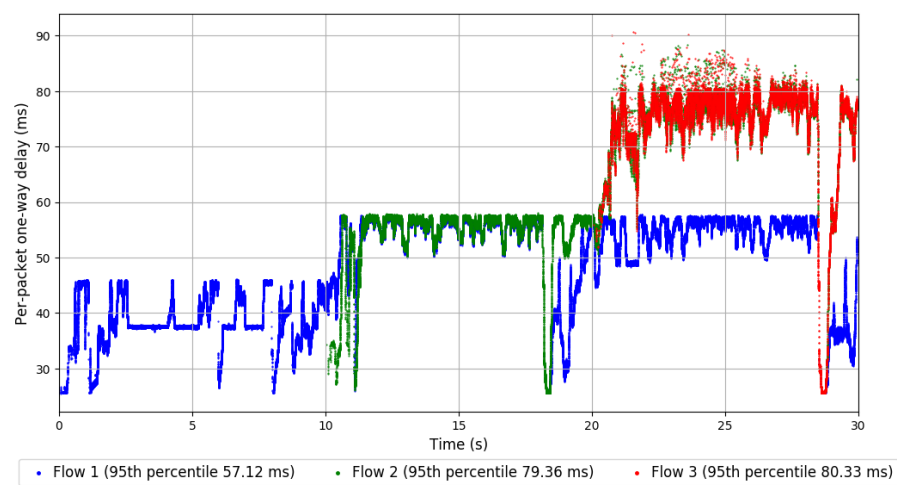
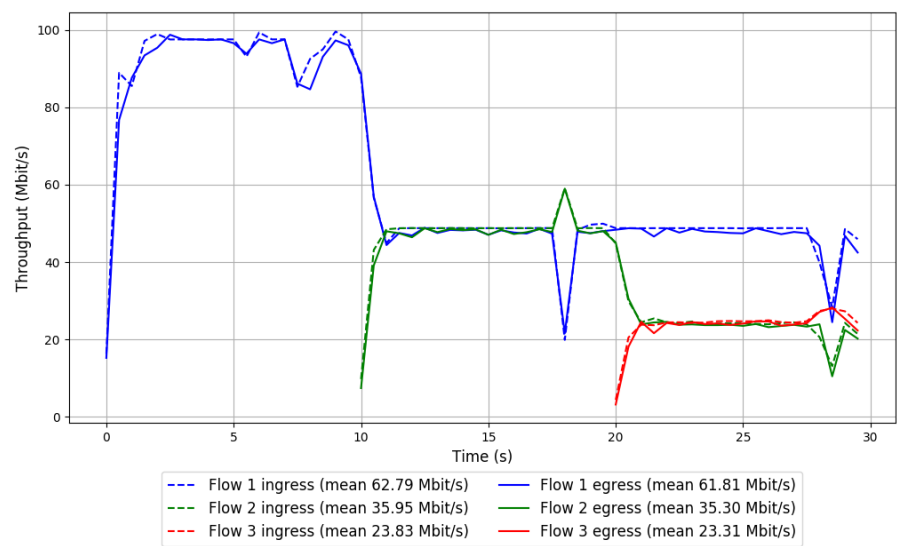


Run 2: Statistics of TCP BBR

Start at: 2018-02-04 17:51:20
End at: 2018-02-04 17:51:50
Local clock offset: 0.314 ms
Remote clock offset: -6.204 ms

Below is generated by plot.py at 2018-02-05 02:13:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 78.287 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 57.122 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 79.361 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 23.31 Mbit/s
95th percentile per-packet one-way delay: 80.325 ms
Loss rate: 3.01%

Run 2: Report of TCP BBR — Data Link

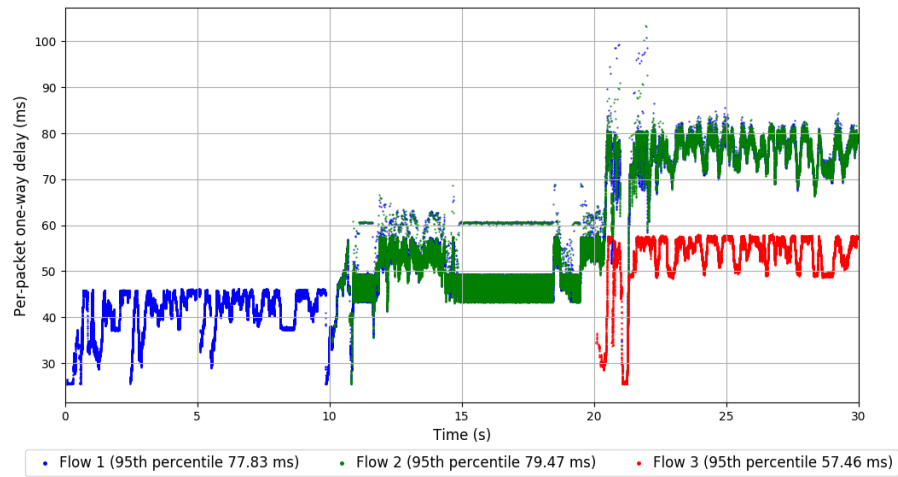
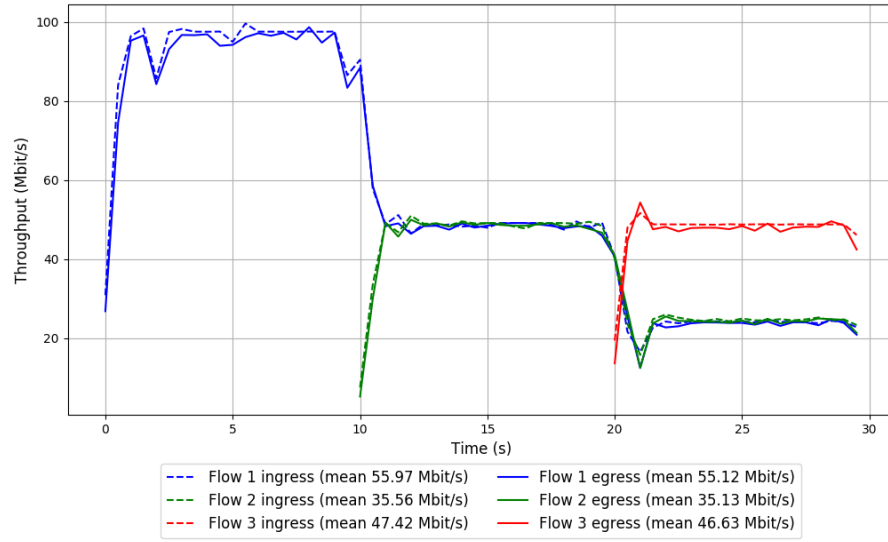


Run 3: Statistics of TCP BBR

Start at: 2018-02-04 18:18:40
End at: 2018-02-04 18:19:10
Local clock offset: 0.289 ms
Remote clock offset: -6.375 ms

Below is generated by plot.py at 2018-02-05 02:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 78.341 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 77.834 ms
Loss rate: 1.76%
-- Flow 2:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 79.467 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 46.63 Mbit/s
95th percentile per-packet one-way delay: 57.460 ms
Loss rate: 2.39%

Run 3: Report of TCP BBR — Data Link

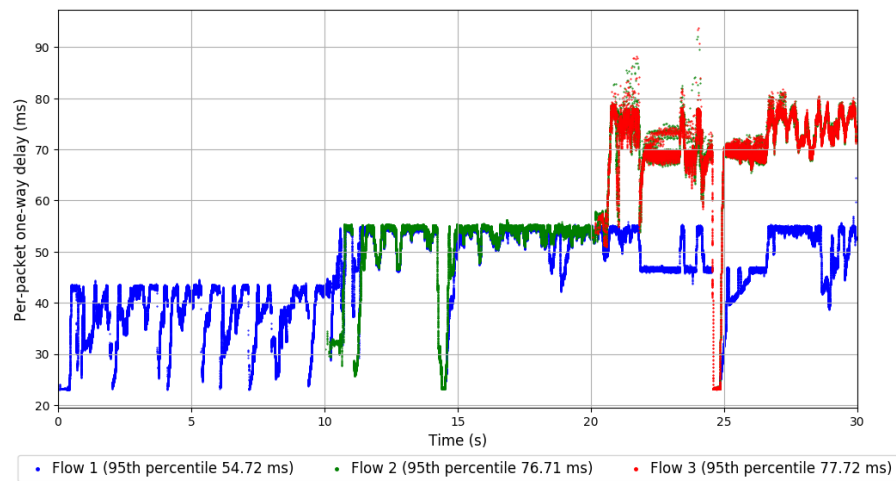
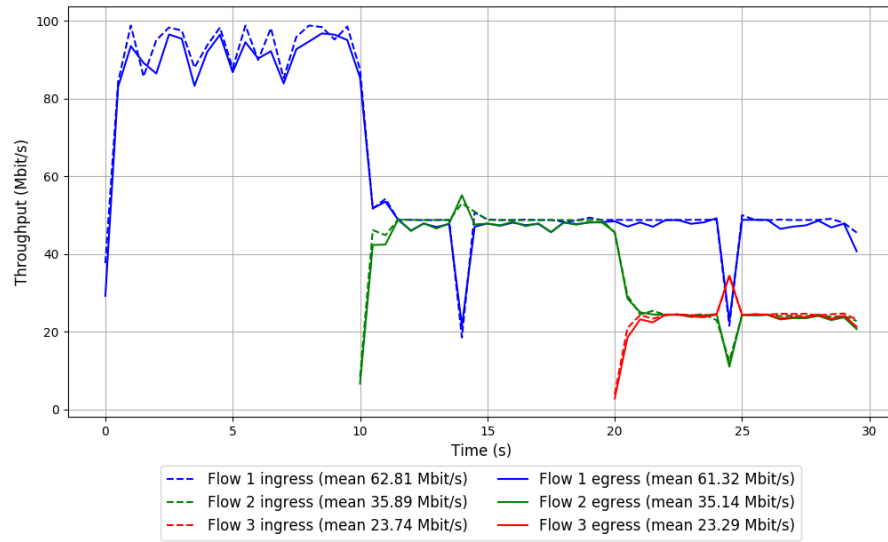


Run 4: Statistics of TCP BBR

Start at: 2018-02-04 18:46:04
End at: 2018-02-04 18:46:34
Local clock offset: 0.283 ms
Remote clock offset: -3.215 ms

Below is generated by plot.py at 2018-02-05 02:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 74.458 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 61.32 Mbit/s
95th percentile per-packet one-way delay: 54.723 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 76.714 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 77.719 ms
Loss rate: 2.74%

Run 4: Report of TCP BBR — Data Link

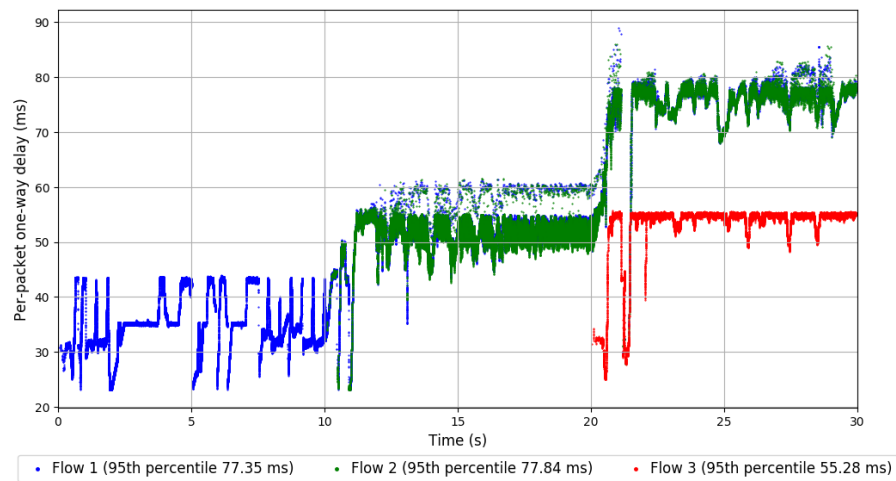
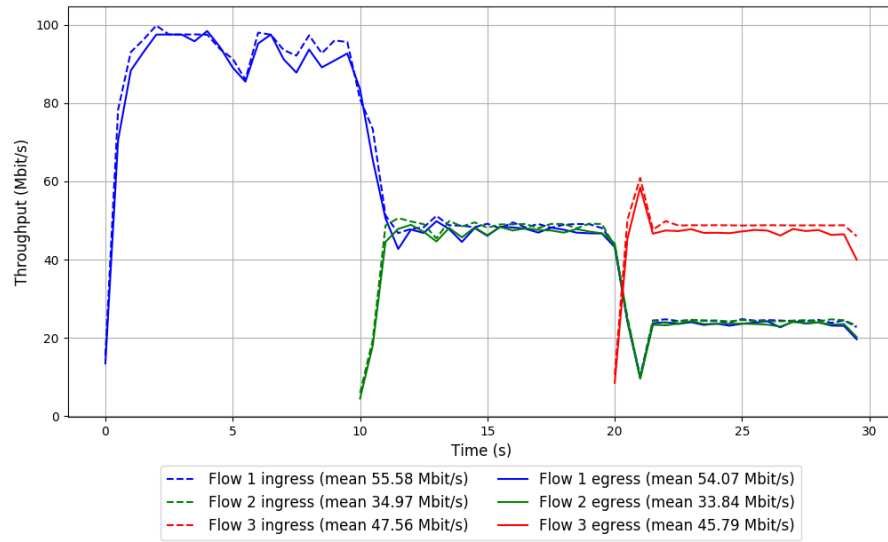


Run 5: Statistics of TCP BBR

Start at: 2018-02-04 19:14:31
End at: 2018-02-04 19:15:01
Local clock offset: 0.275 ms
Remote clock offset: -2.707 ms

Below is generated by plot.py at 2018-02-05 02:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 77.443 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 77.351 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 77.841 ms
Loss rate: 3.54%
-- Flow 3:
Average throughput: 45.79 Mbit/s
95th percentile per-packet one-way delay: 55.276 ms
Loss rate: 4.43%

Run 5: Report of TCP BBR — Data Link

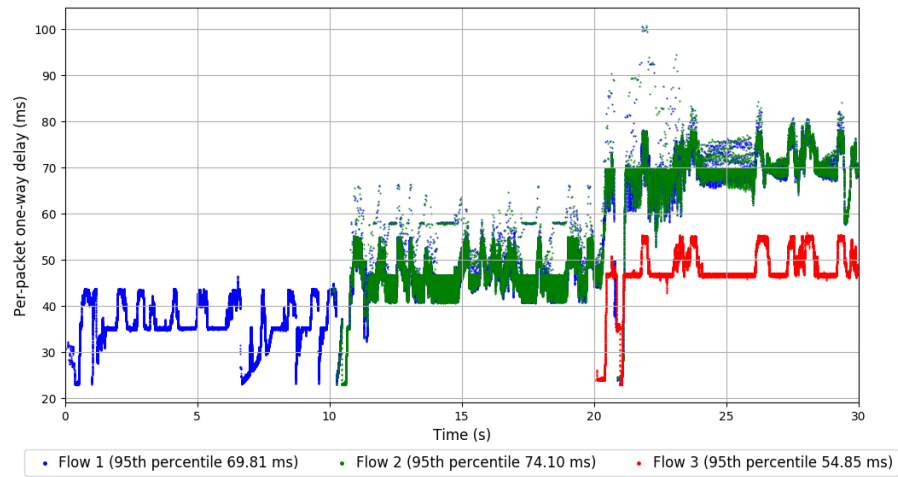
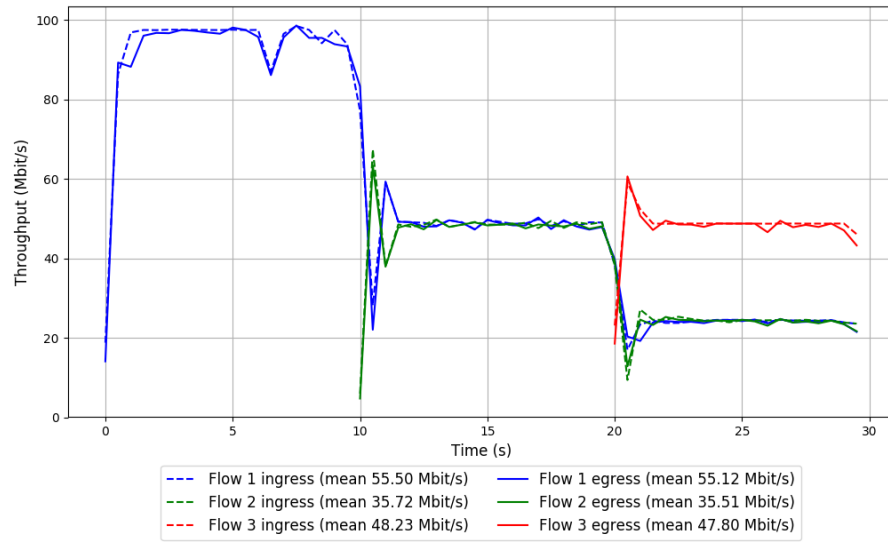


Run 6: Statistics of TCP BBR

Start at: 2018-02-04 19:40:57
End at: 2018-02-04 19:41:27
Local clock offset: 0.51 ms
Remote clock offset: -3.398 ms

Below is generated by plot.py at 2018-02-05 02:13:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 70.512 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 55.12 Mbit/s
95th percentile per-packet one-way delay: 69.810 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 35.51 Mbit/s
95th percentile per-packet one-way delay: 74.098 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 47.80 Mbit/s
95th percentile per-packet one-way delay: 54.854 ms
Loss rate: 1.54%

Run 6: Report of TCP BBR — Data Link

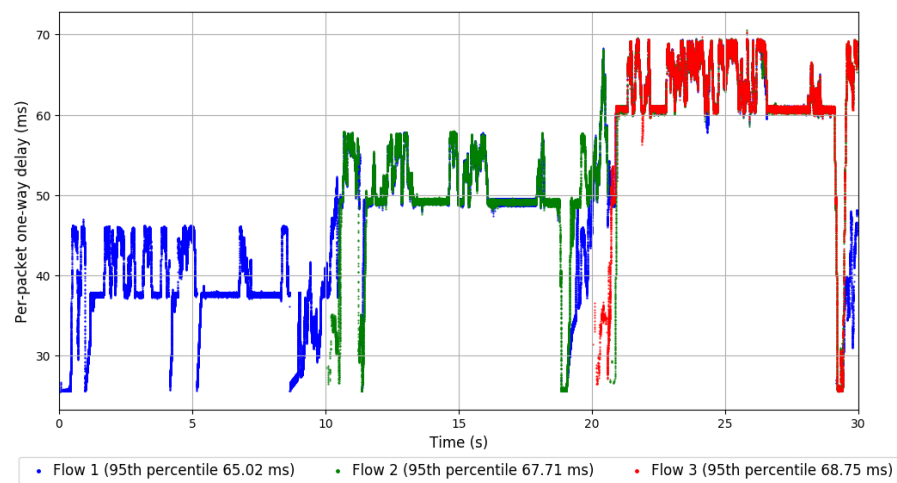
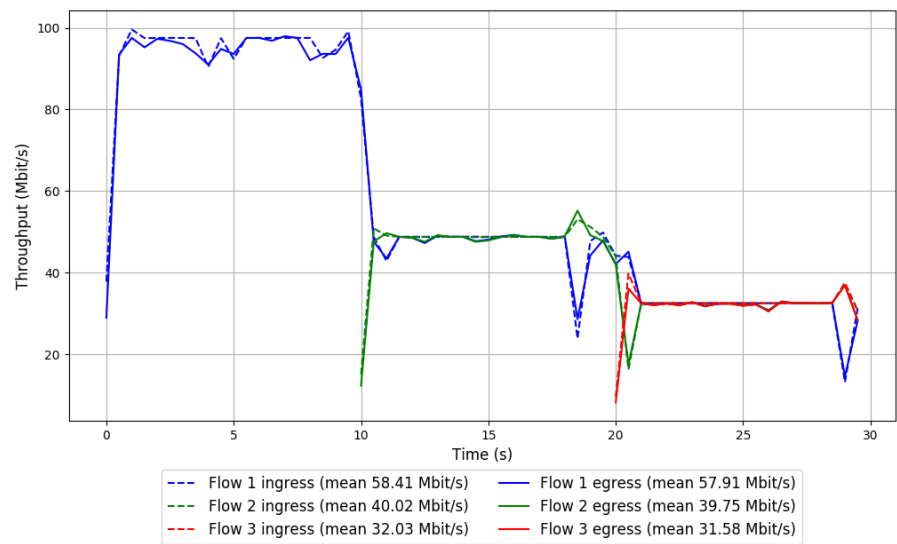


Run 7: Statistics of TCP BBR

Start at: 2018-02-04 20:06:16
End at: 2018-02-04 20:06:46
Local clock offset: 0.49 ms
Remote clock offset: -5.794 ms

Below is generated by plot.py at 2018-02-05 02:13:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 67.329 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 65.018 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 67.707 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 68.747 ms
Loss rate: 2.00%

Run 7: Report of TCP BBR — Data Link

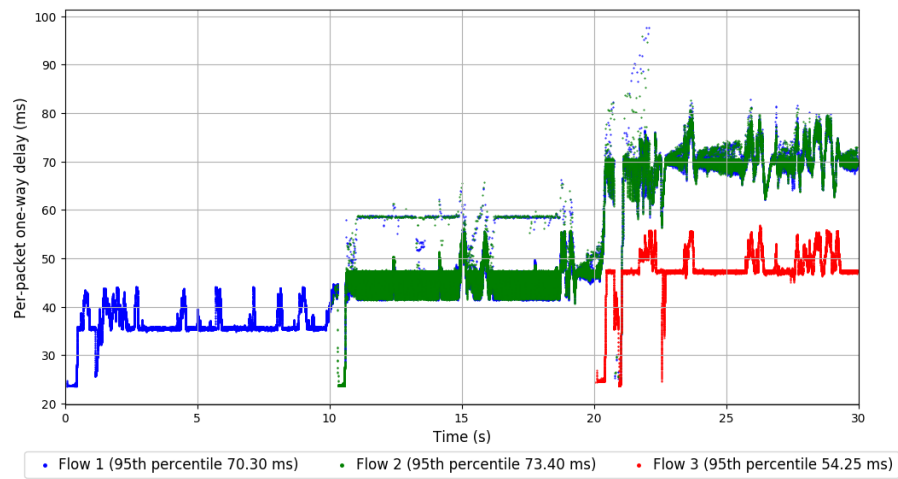
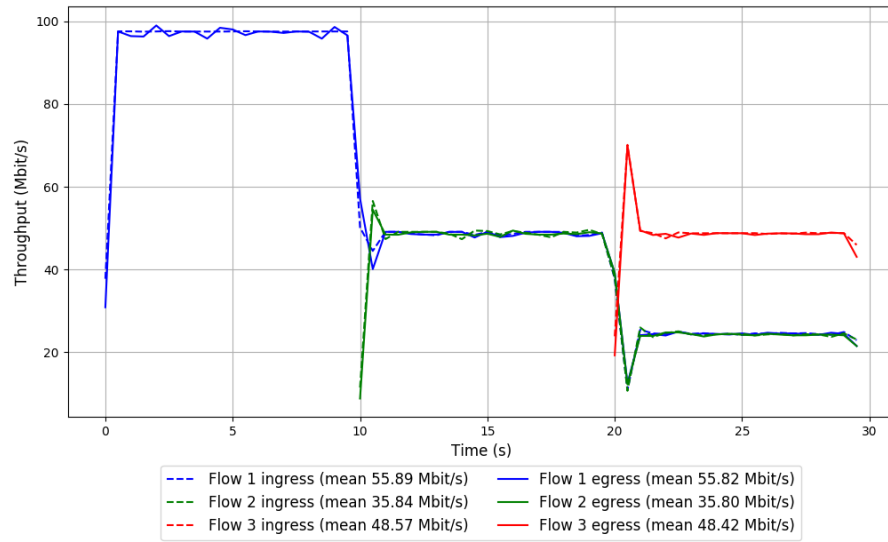


Run 8: Statistics of TCP BBR

Start at: 2018-02-04 20:31:15
End at: 2018-02-04 20:31:45
Local clock offset: 0.521 ms
Remote clock offset: -3.733 ms

Below is generated by plot.py at 2018-02-05 02:13:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 70.512 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 55.82 Mbit/s
95th percentile per-packet one-way delay: 70.297 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 73.396 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 48.42 Mbit/s
95th percentile per-packet one-way delay: 54.252 ms
Loss rate: 0.97%

Run 8: Report of TCP BBR — Data Link

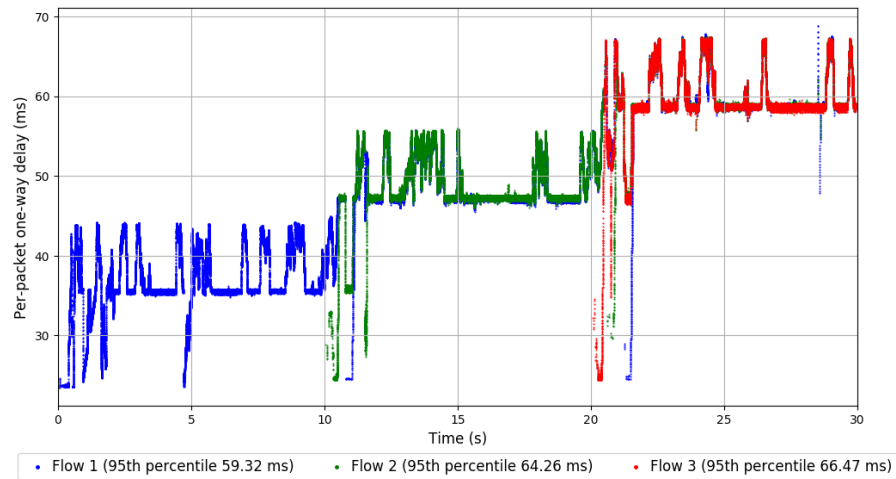
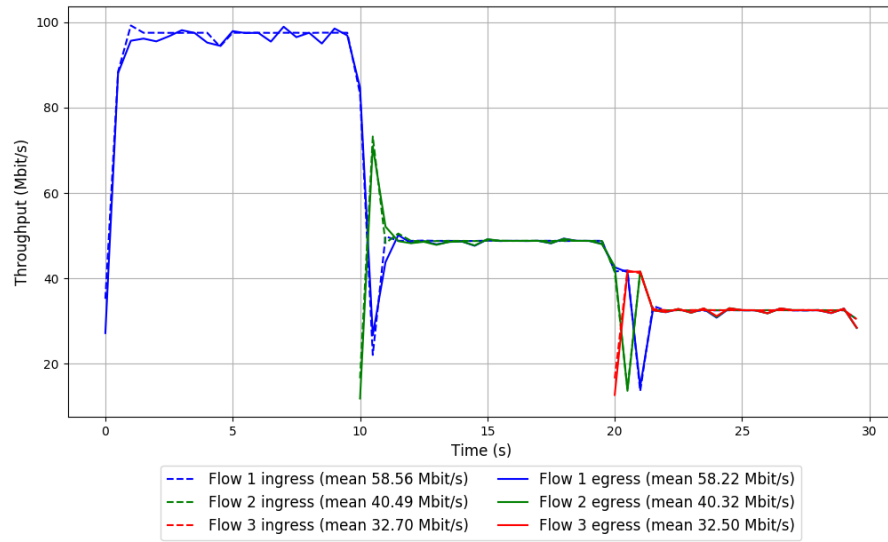


Run 9: Statistics of TCP BBR

Start at: 2018-02-04 20:56:46
End at: 2018-02-04 20:57:16
Local clock offset: 0.225 ms
Remote clock offset: -3.685 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 63.506 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 59.319 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 64.257 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 66.467 ms
Loss rate: 1.22%

Run 9: Report of TCP BBR — Data Link

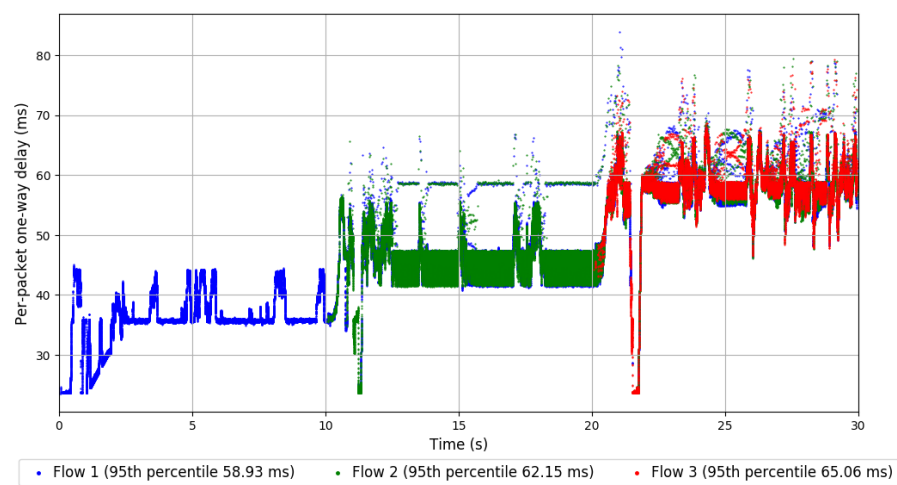
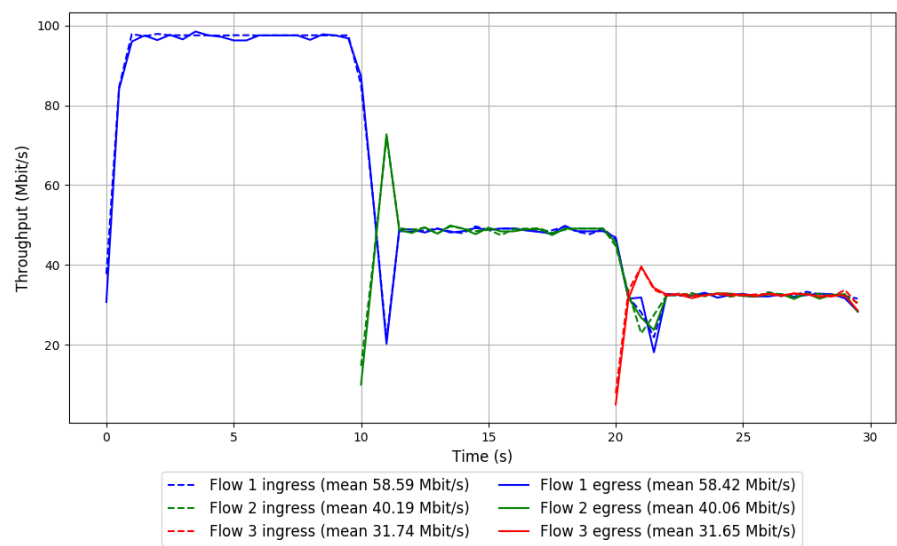


Run 10: Statistics of TCP BBR

Start at: 2018-02-04 21:22:30
End at: 2018-02-04 21:23:00
Local clock offset: 0.482 ms
Remote clock offset: -4.749 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 61.484 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 58.42 Mbit/s
95th percentile per-packet one-way delay: 58.929 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 62.148 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 31.65 Mbit/s
95th percentile per-packet one-way delay: 65.065 ms
Loss rate: 1.25%

Run 10: Report of TCP BBR — Data Link

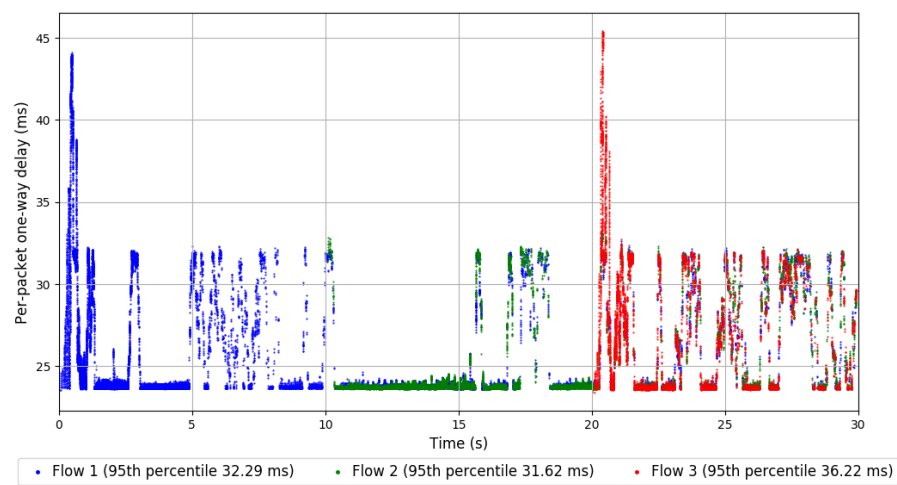
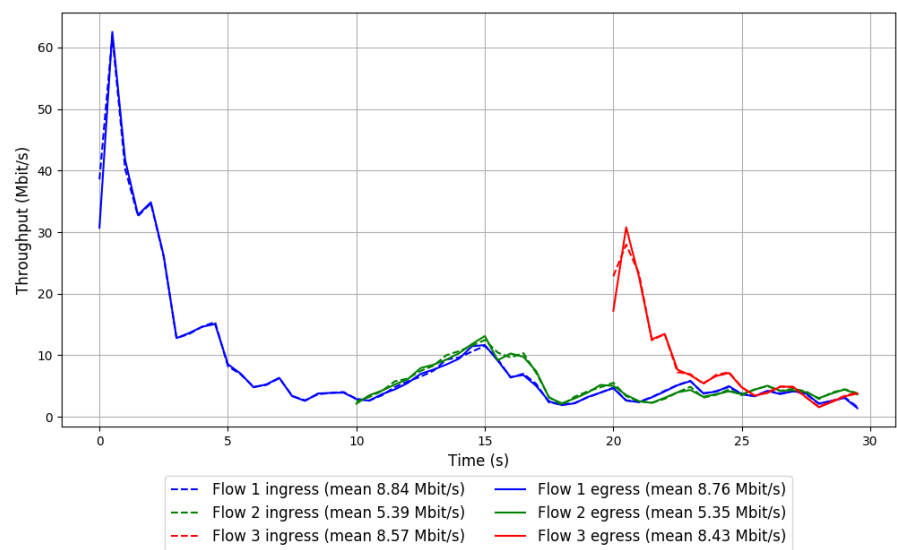


Run 1: Statistics of TCP Cubic

Start at: 2018-02-04 17:30:43
End at: 2018-02-04 17:31:13
Local clock offset: 0.2 ms
Remote clock offset: -2.847 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.10 Mbit/s
95th percentile per-packet one-way delay: 32.048 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 32.287 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 31.624 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 36.219 ms
Loss rate: 2.16%

Run 1: Report of TCP Cubic — Data Link

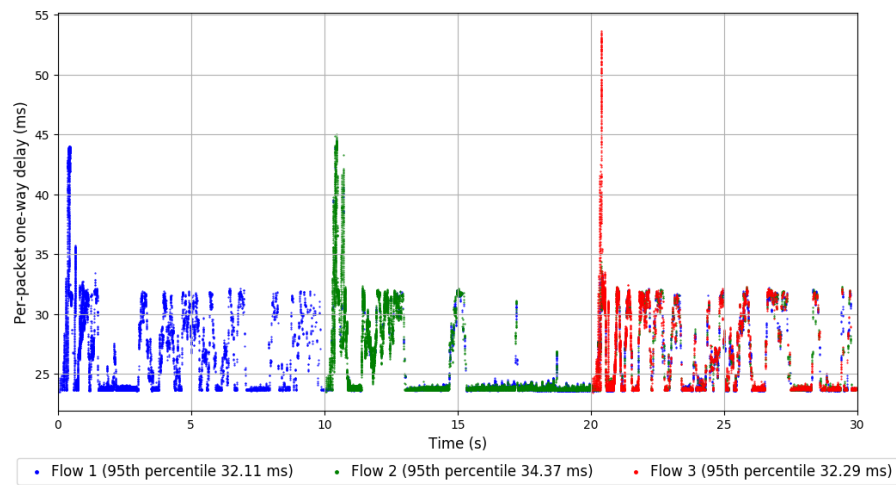
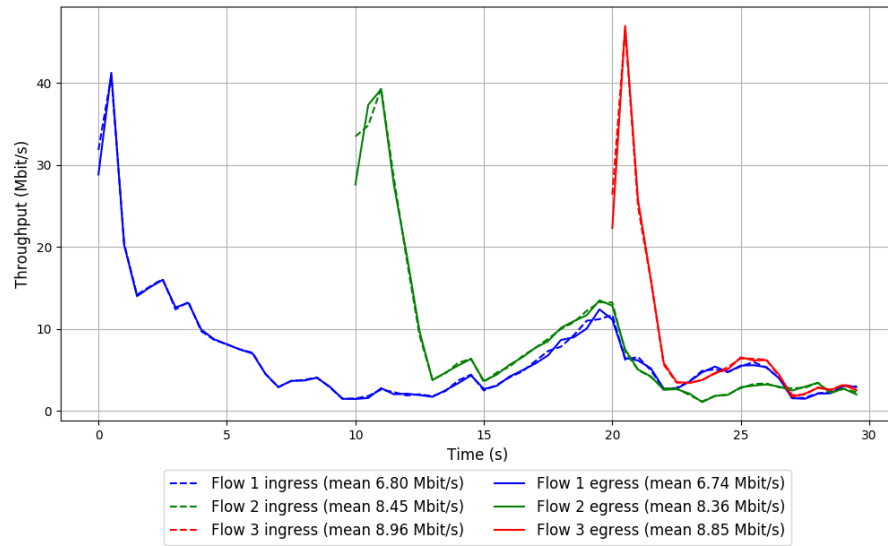


Run 2: Statistics of TCP Cubic

Start at: 2018-02-04 17:57:33
End at: 2018-02-04 17:58:03
Local clock offset: 0.444 ms
Remote clock offset: -4.455 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 32.551 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 32.106 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 34.374 ms
Loss rate: 1.36%
-- Flow 3:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 32.293 ms
Loss rate: 1.72%

Run 2: Report of TCP Cubic — Data Link

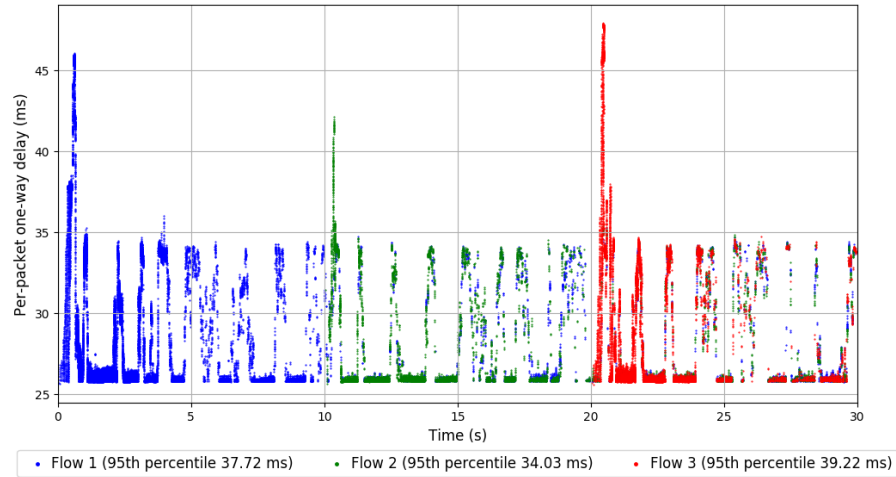
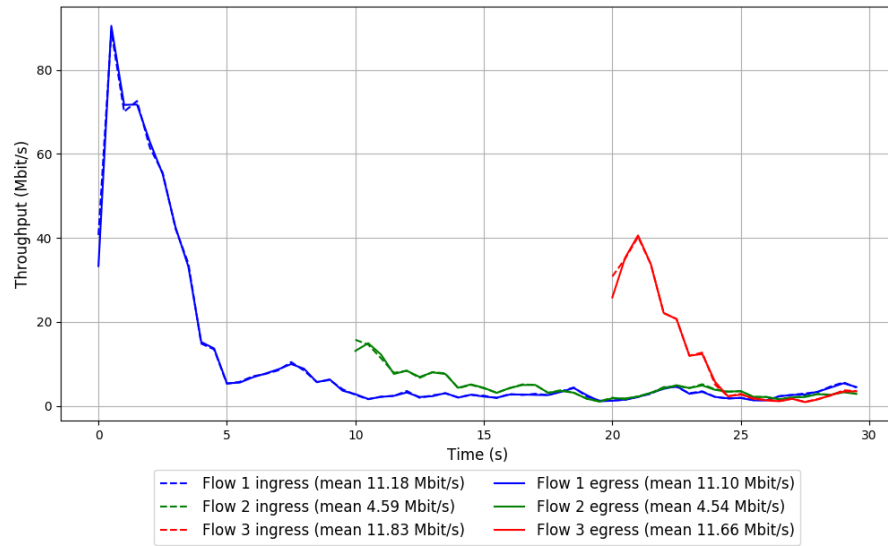


Run 3: Statistics of TCP Cubic

Start at: 2018-02-04 18:24:47
End at: 2018-02-04 18:25:17
Local clock offset: 0.307 ms
Remote clock offset: -6.385 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.97 Mbit/s
95th percentile per-packet one-way delay: 37.275 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 37.720 ms
Loss rate: 0.91%
-- Flow 2:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 34.026 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 39.222 ms
Loss rate: 2.01%

Run 3: Report of TCP Cubic — Data Link

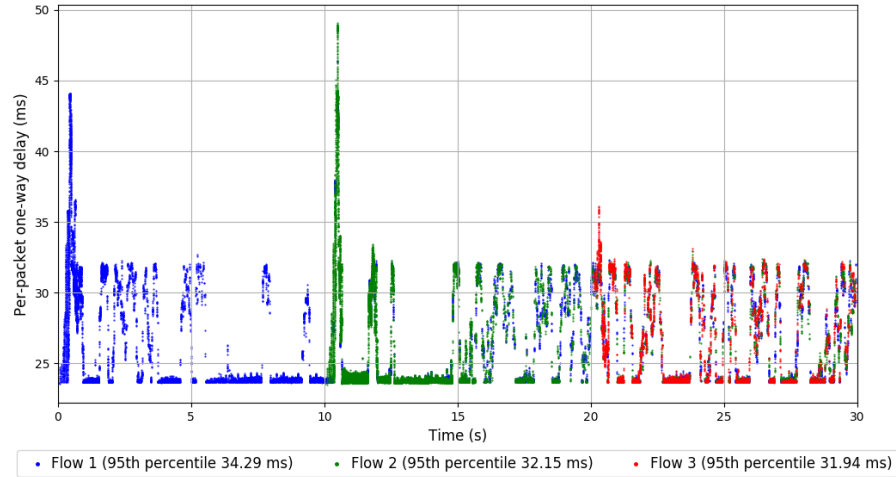
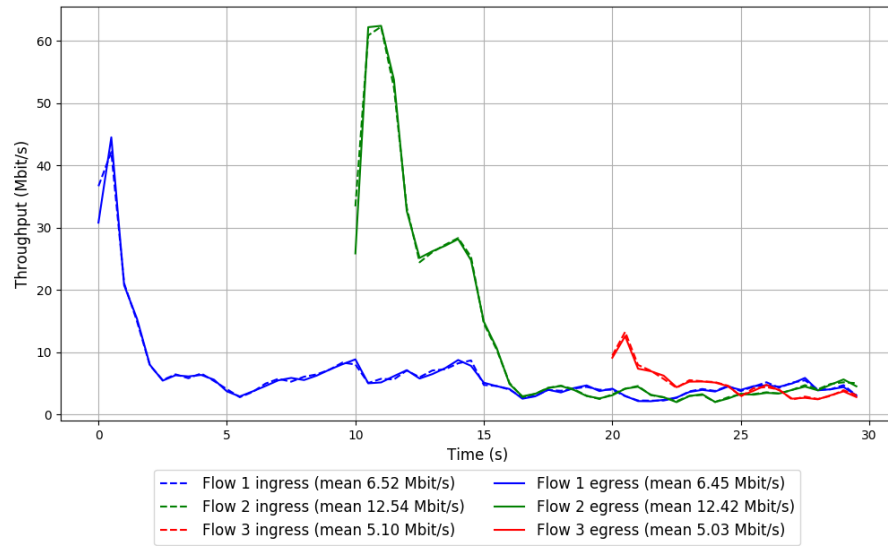


Run 4: Statistics of TCP Cubic

Start at: 2018-02-04 18:52:43
End at: 2018-02-04 18:53:13
Local clock offset: 0.214 ms
Remote clock offset: -3.418 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.36 Mbit/s
95th percentile per-packet one-way delay: 32.426 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 34.289 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 31.941 ms
Loss rate: 2.04%

Run 4: Report of TCP Cubic — Data Link

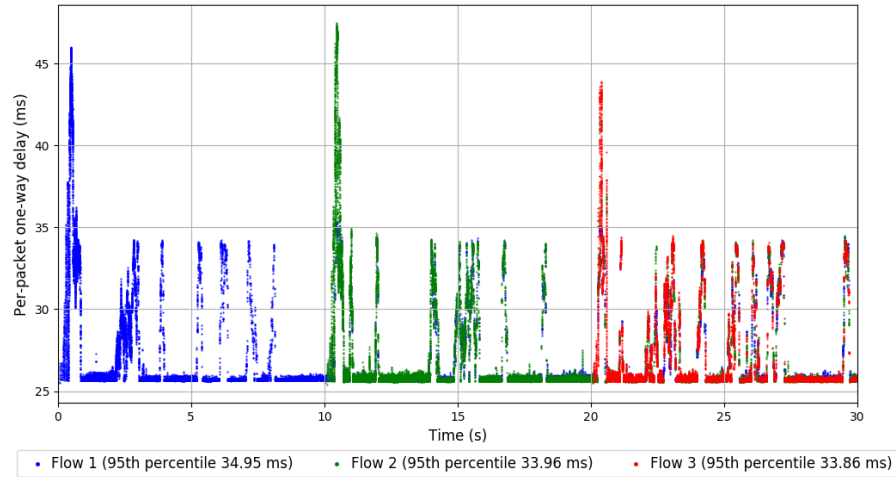
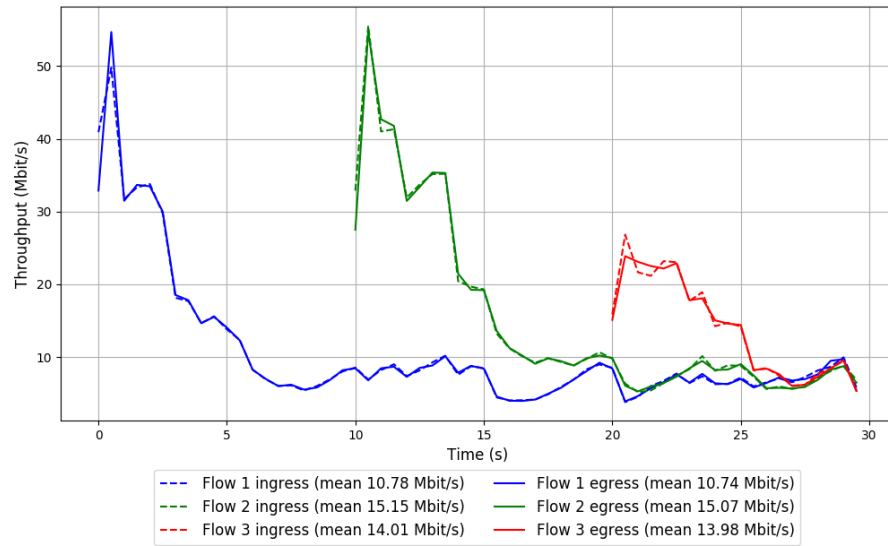


Run 5: Statistics of TCP Cubic

Start at: 2018-02-04 19:21:10
End at: 2018-02-04 19:21:40
Local clock offset: 0.33 ms
Remote clock offset: -5.293 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 34.091 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: 34.949 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 33.963 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 13.98 Mbit/s
95th percentile per-packet one-way delay: 33.858 ms
Loss rate: 0.82%

Run 5: Report of TCP Cubic — Data Link

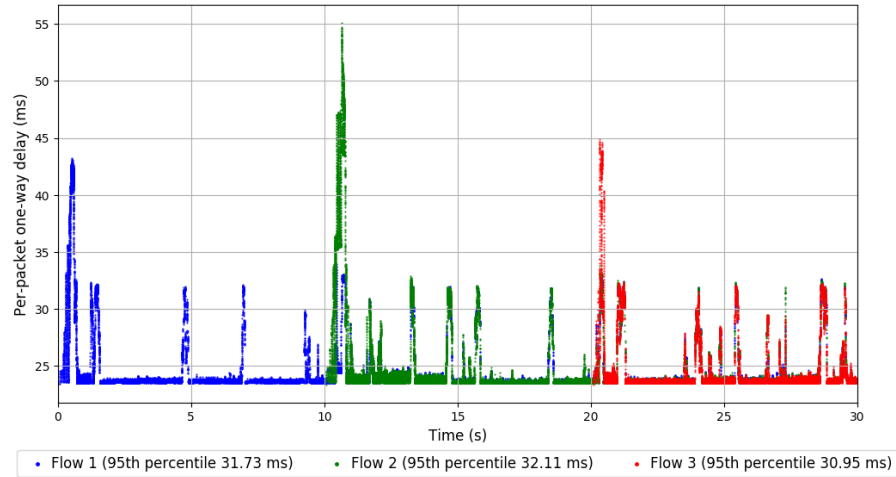
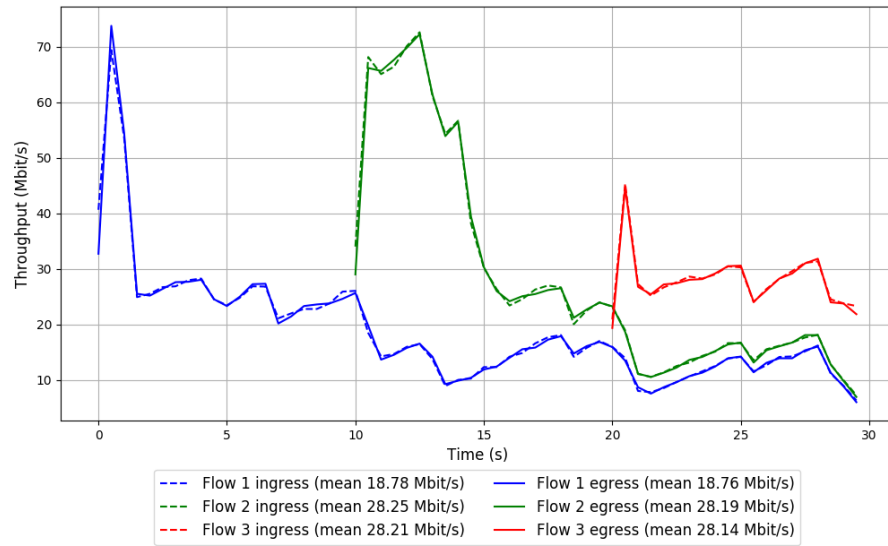


Run 6: Statistics of TCP Cubic

Start at: 2018-02-04 19:46:38
End at: 2018-02-04 19:47:08
Local clock offset: 0.541 ms
Remote clock offset: -3.898 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 31.667 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 31.731 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 32.107 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 28.14 Mbit/s
95th percentile per-packet one-way delay: 30.954 ms
Loss rate: 0.78%

Run 6: Report of TCP Cubic — Data Link

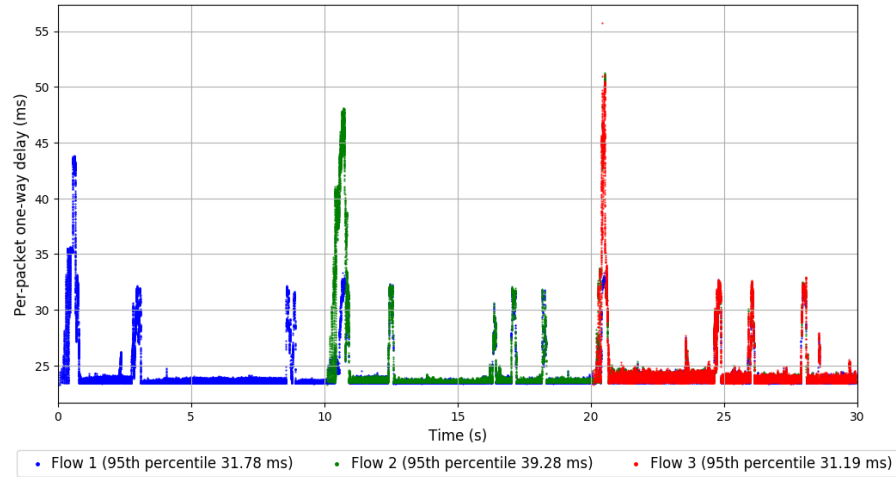
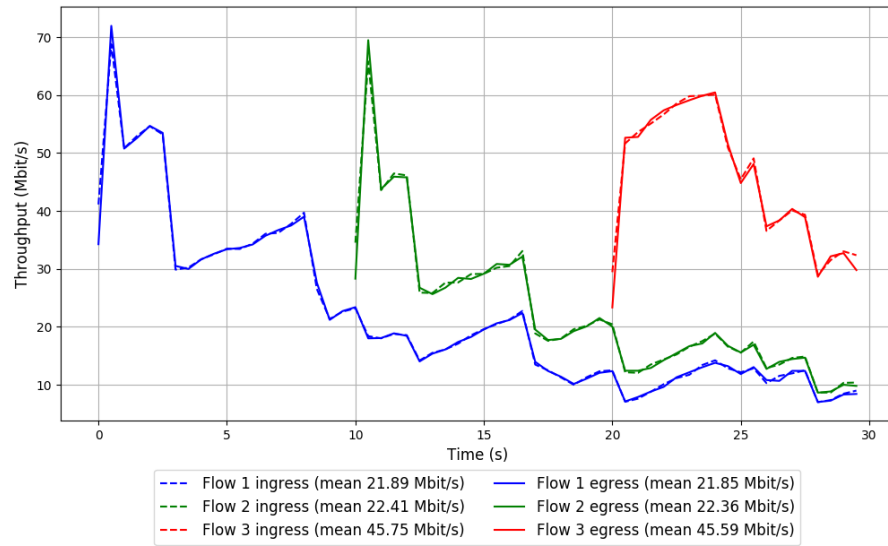


Run 7: Statistics of TCP Cubic

Start at: 2018-02-04 20:12:00
End at: 2018-02-04 20:12:30
Local clock offset: 0.526 ms
Remote clock offset: -3.709 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.80 Mbit/s
95th percentile per-packet one-way delay: 32.104 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 21.85 Mbit/s
95th percentile per-packet one-way delay: 31.784 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: 39.284 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 31.189 ms
Loss rate: 0.90%

Run 7: Report of TCP Cubic — Data Link

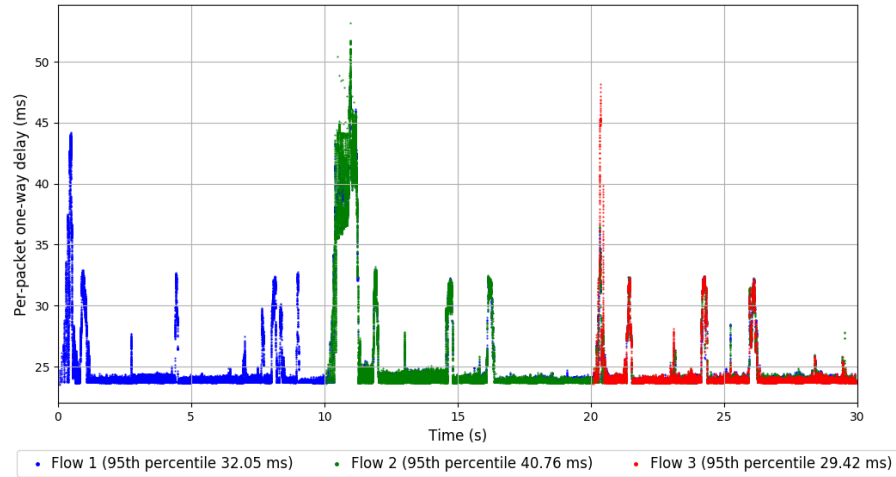
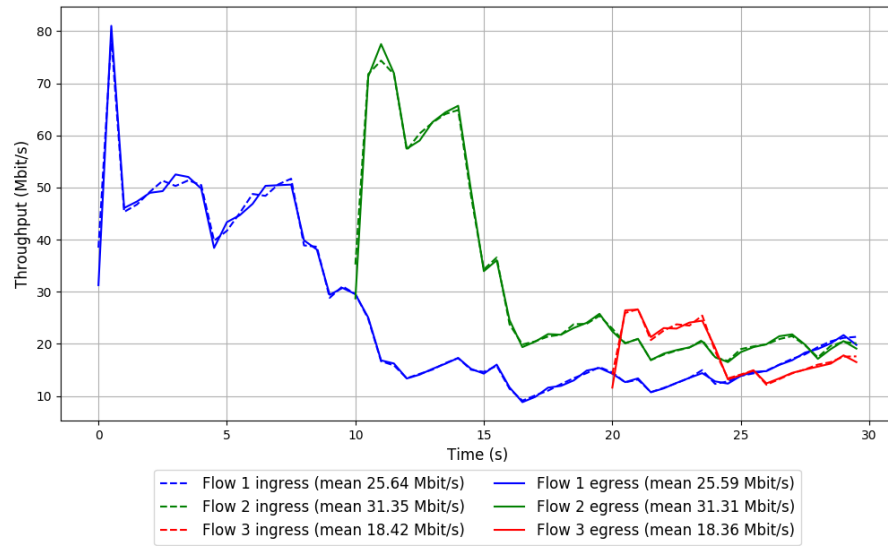


Run 8: Statistics of TCP Cubic

Start at: 2018-02-04 20:36:46
End at: 2018-02-04 20:37:16
Local clock offset: 0.477 ms
Remote clock offset: -3.615 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 37.002 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 32.045 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 31.31 Mbit/s
95th percentile per-packet one-way delay: 40.763 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 29.418 ms
Loss rate: 0.84%

Run 8: Report of TCP Cubic — Data Link

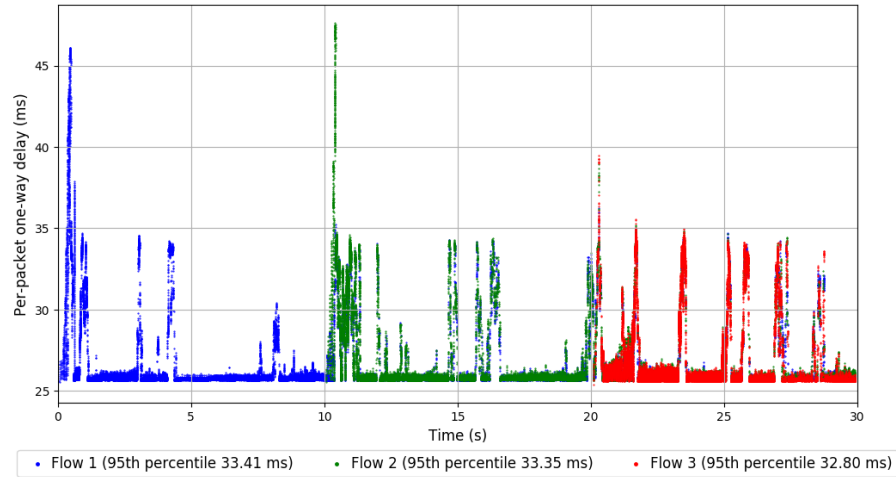
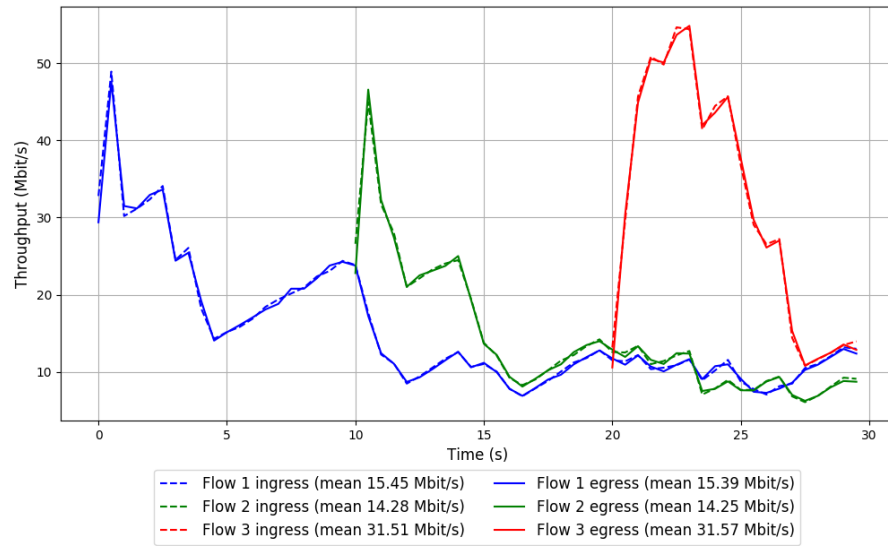


Run 9: Statistics of TCP Cubic

Start at: 2018-02-04 21:02:20
End at: 2018-02-04 21:02:50
Local clock offset: 0.287 ms
Remote clock offset: -6.013 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.29 Mbit/s
95th percentile per-packet one-way delay: 33.191 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 15.39 Mbit/s
95th percentile per-packet one-way delay: 33.407 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 33.354 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 32.795 ms
Loss rate: 0.42%

Run 9: Report of TCP Cubic — Data Link

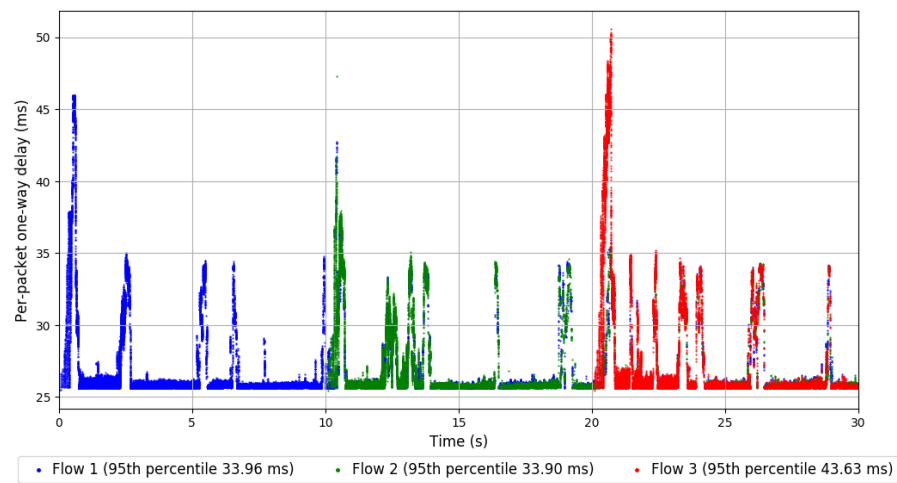
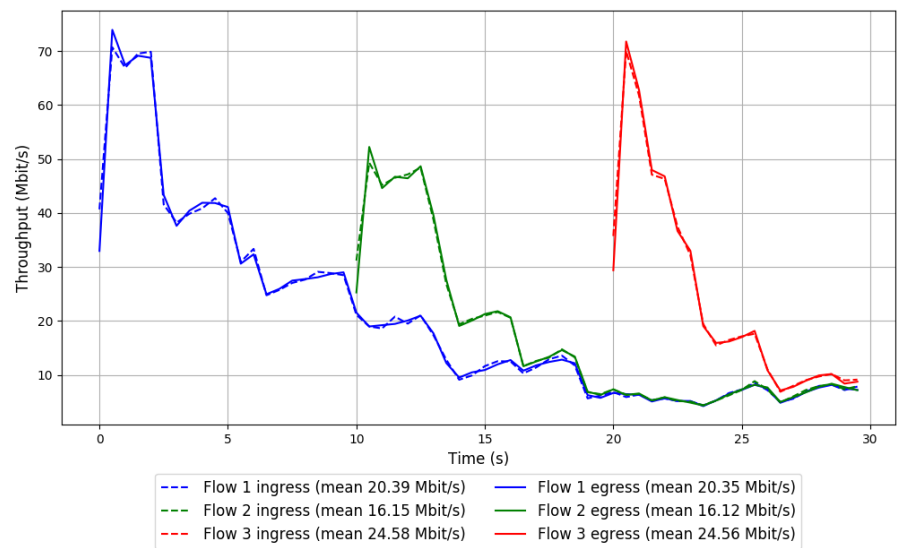


Run 10: Statistics of TCP Cubic

Start at: 2018-02-04 21:28:15
End at: 2018-02-04 21:28:45
Local clock offset: 0.313 ms
Remote clock offset: -7.133 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 34.593 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 33.959 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 33.896 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 43.630 ms
Loss rate: 0.63%

Run 10: Report of TCP Cubic — Data Link

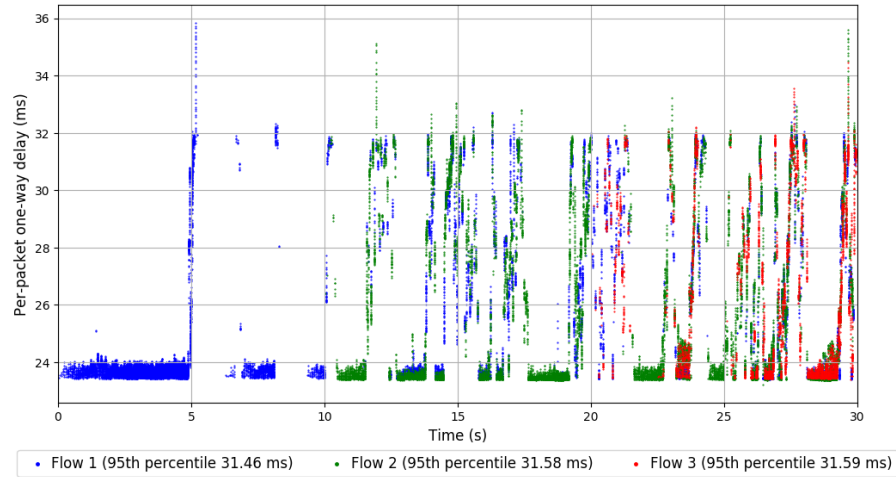
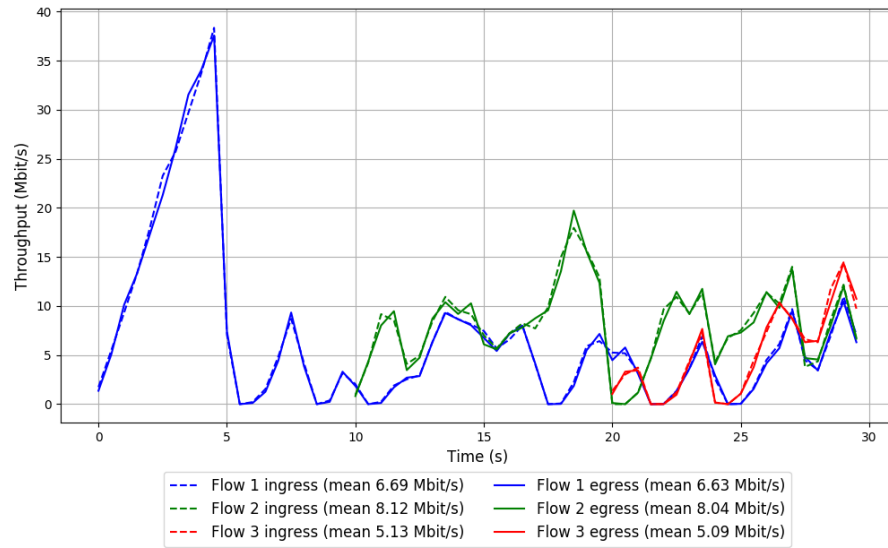


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-04 17:37:55
End at: 2018-02-04 17:38:25
Local clock offset: 0.209 ms
Remote clock offset: -3.257 ms

# Below is generated by plot.py at 2018-02-05 02:14:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 31.542 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 31.465 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 31.589 ms
Loss rate: 1.31%
```


Run 1: Report of LEDBAT — Data Link

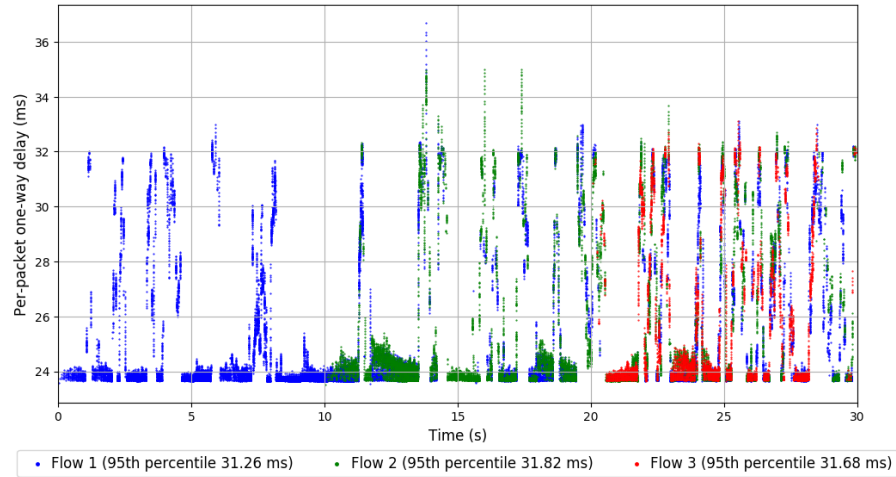
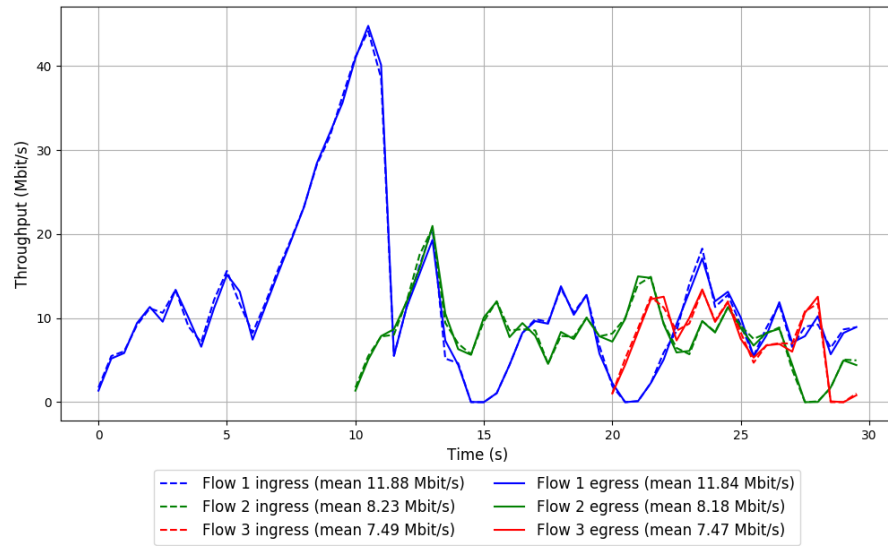


Run 2: Statistics of LEDBAT

Start at: 2018-02-04 18:05:18
End at: 2018-02-04 18:05:48
Local clock offset: 0.472 ms
Remote clock offset: -4.814 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 19.73 Mbit/s
95th percentile per-packet one-way delay: 31.601 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 31.257 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 31.825 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 7.47 Mbit/s
95th percentile per-packet one-way delay: 31.676 ms
Loss rate: 0.98%

Run 2: Report of LEDBAT — Data Link

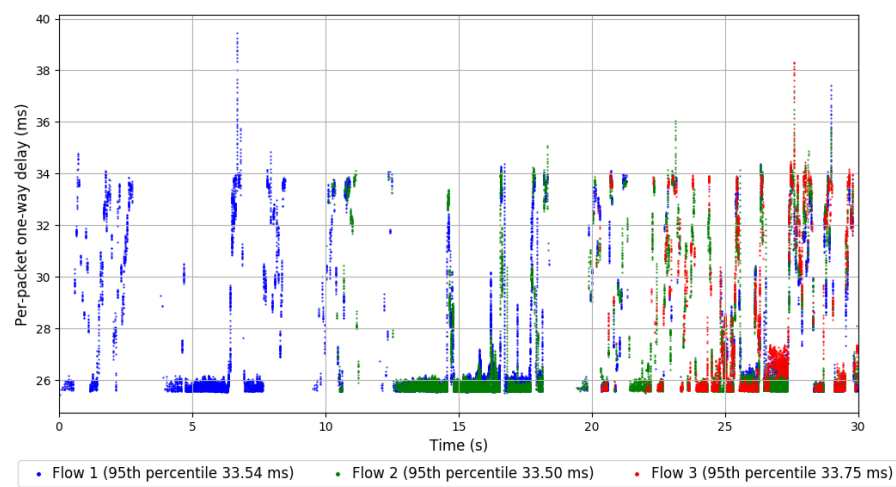
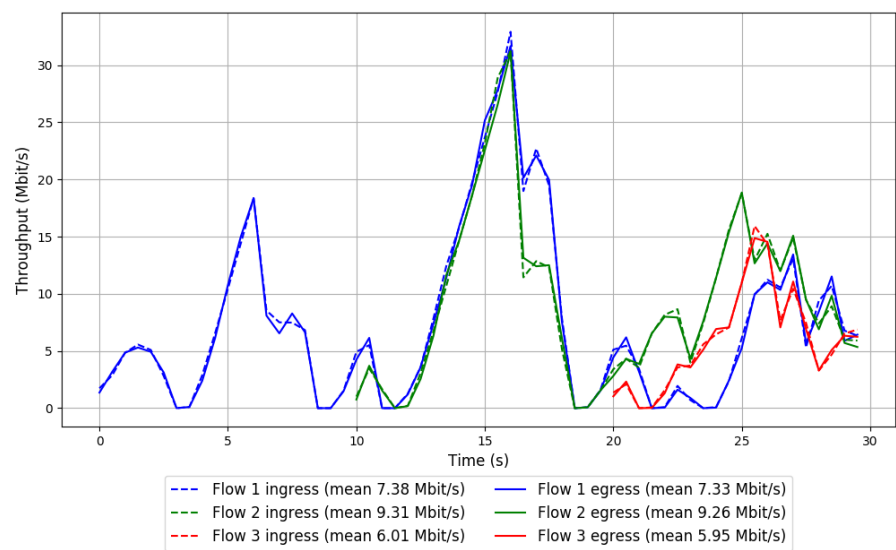


Run 3: Statistics of LEDBAT

Start at: 2018-02-04 18:32:10
End at: 2018-02-04 18:32:40
Local clock offset: 0.281 ms
Remote clock offset: -6.129 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 33.579 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 33.541 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 33.498 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 33.749 ms
Loss rate: 1.73%

Run 3: Report of LEDBAT — Data Link

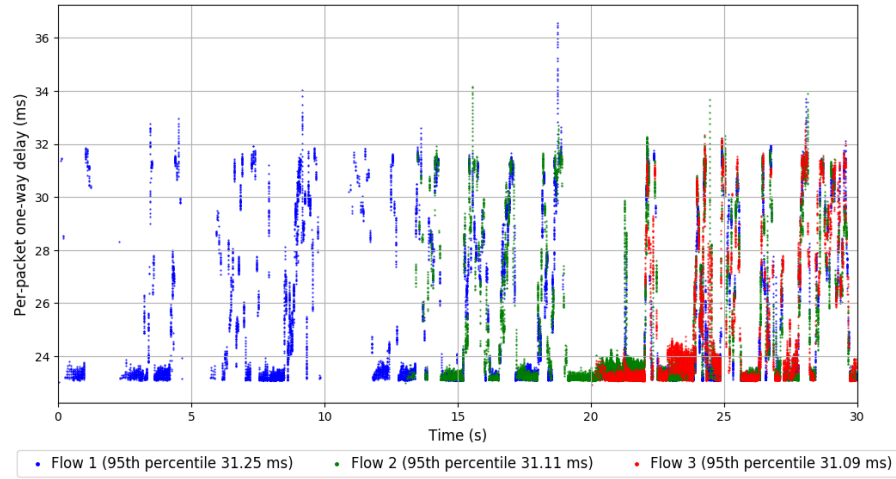
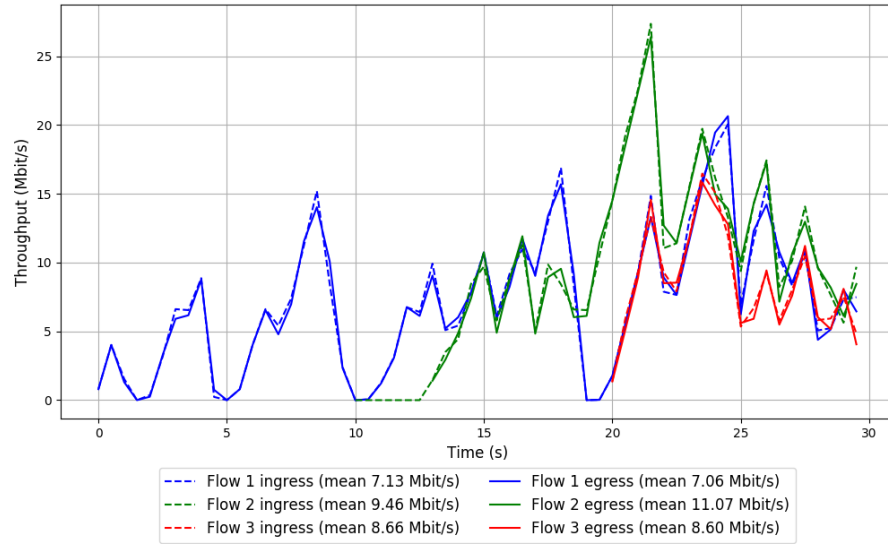


Run 4: Statistics of LEDBAT

Start at: 2018-02-04 19:00:10
End at: 2018-02-04 19:00:40
Local clock offset: 0.271 ms
Remote clock offset: -2.655 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.15 Mbit/s
95th percentile per-packet one-way delay: 31.174 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 7.06 Mbit/s
95th percentile per-packet one-way delay: 31.250 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 11.07 Mbit/s
95th percentile per-packet one-way delay: 31.110 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 8.60 Mbit/s
95th percentile per-packet one-way delay: 31.085 ms
Loss rate: 1.13%

Run 4: Report of LEDBAT — Data Link

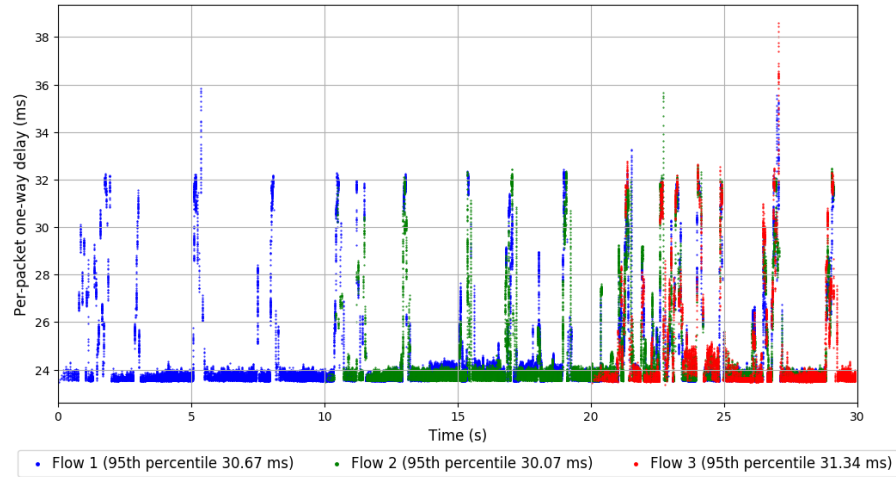
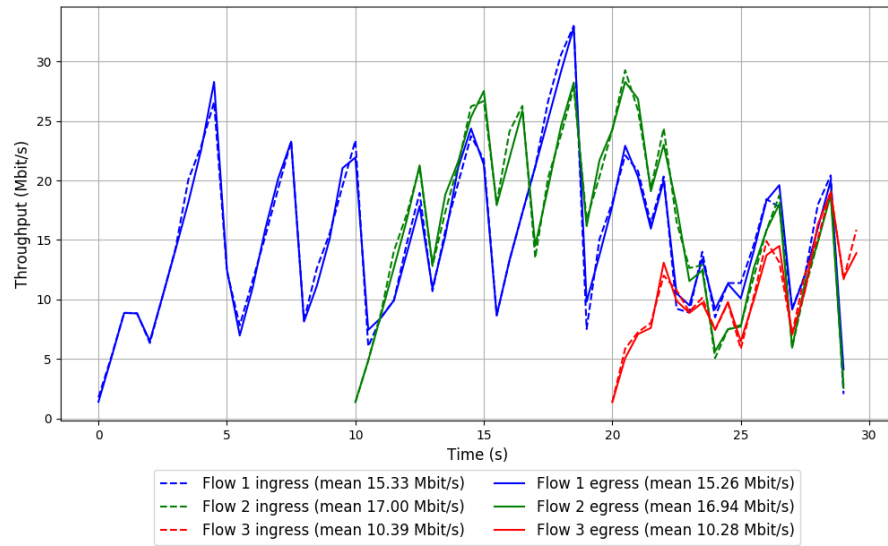


Run 5: Statistics of LEDBAT

Start at: 2018-02-04 19:28:24
End at: 2018-02-04 19:28:54
Local clock offset: 0.374 ms
Remote clock offset: -3.547 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 30.601 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 30.670 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 30.068 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 31.341 ms
Loss rate: 1.62%

Run 5: Report of LEDBAT — Data Link

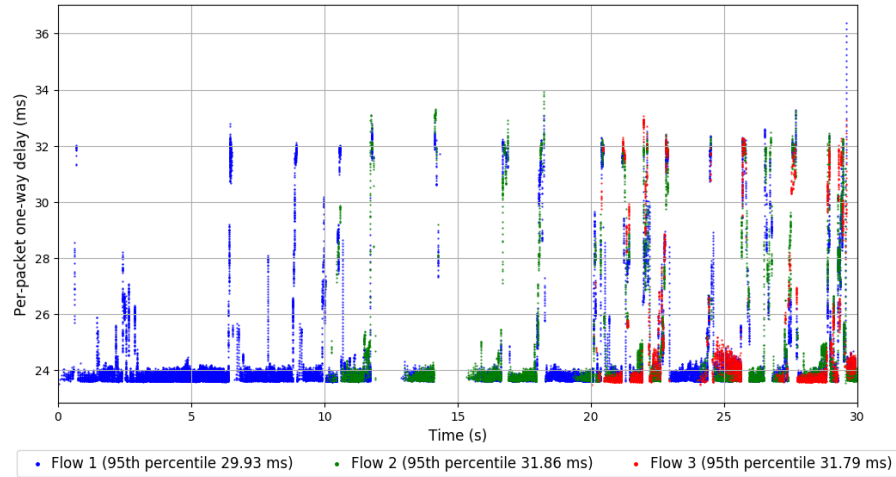
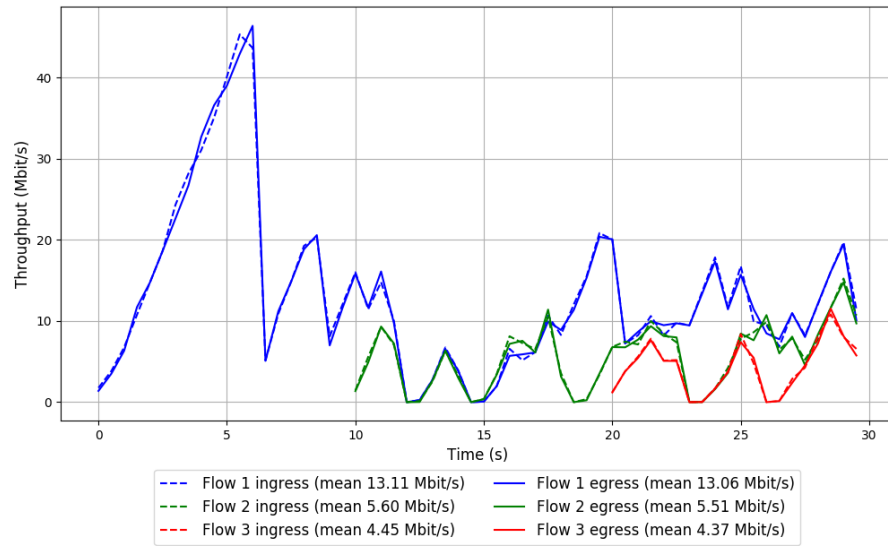


Run 6: Statistics of LEDBAT

Start at: 2018-02-04 19:53:40
End at: 2018-02-04 19:54:10
Local clock offset: 0.552 ms
Remote clock offset: -3.797 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.16 Mbit/s
95th percentile per-packet one-way delay: 31.336 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 29.933 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 31.855 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 31.788 ms
Loss rate: 2.29%

Run 6: Report of LEDBAT — Data Link

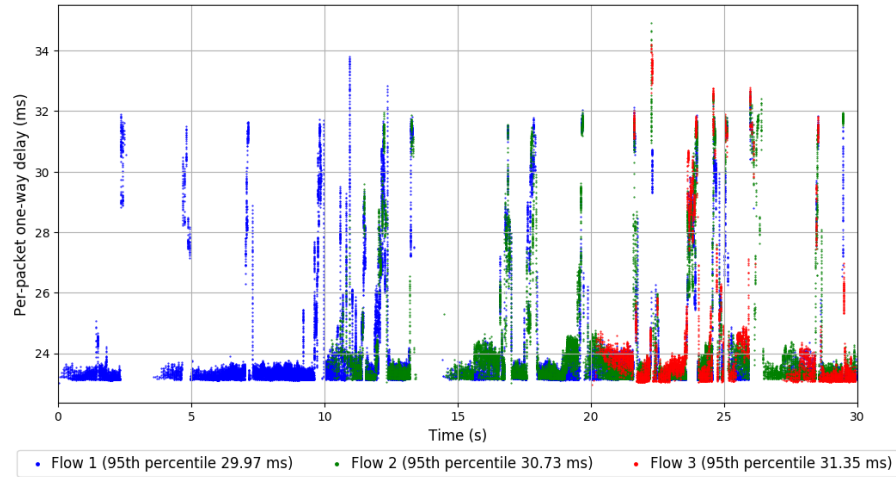
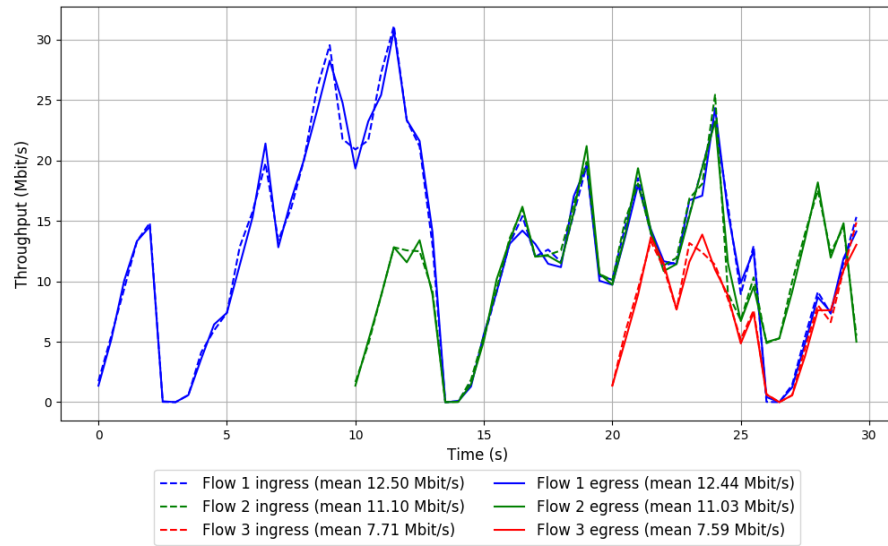


Run 7: Statistics of LEDBAT

Start at: 2018-02-04 20:18:56
End at: 2018-02-04 20:19:26
Local clock offset: 0.626 ms
Remote clock offset: -3.286 ms

Below is generated by plot.py at 2018-02-05 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.28 Mbit/s
95th percentile per-packet one-way delay: 30.300 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 29.969 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 30.735 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 31.346 ms
Loss rate: 2.09%

Run 7: Report of LEDBAT — Data Link

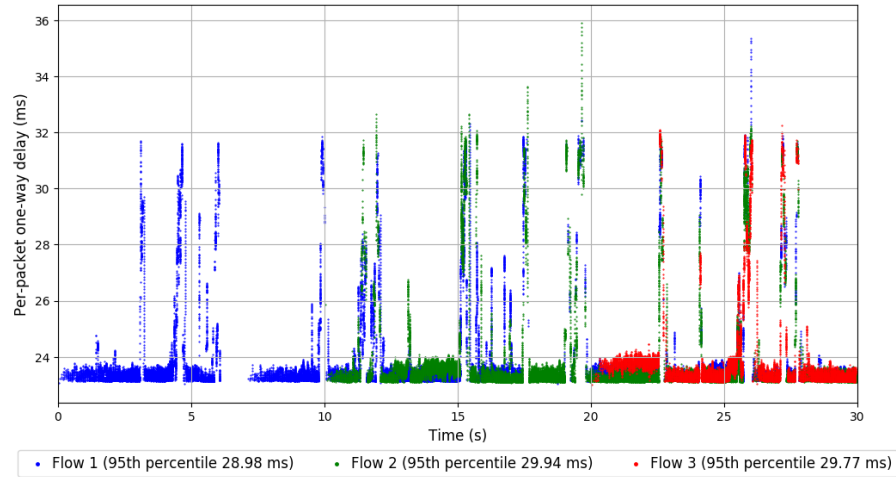
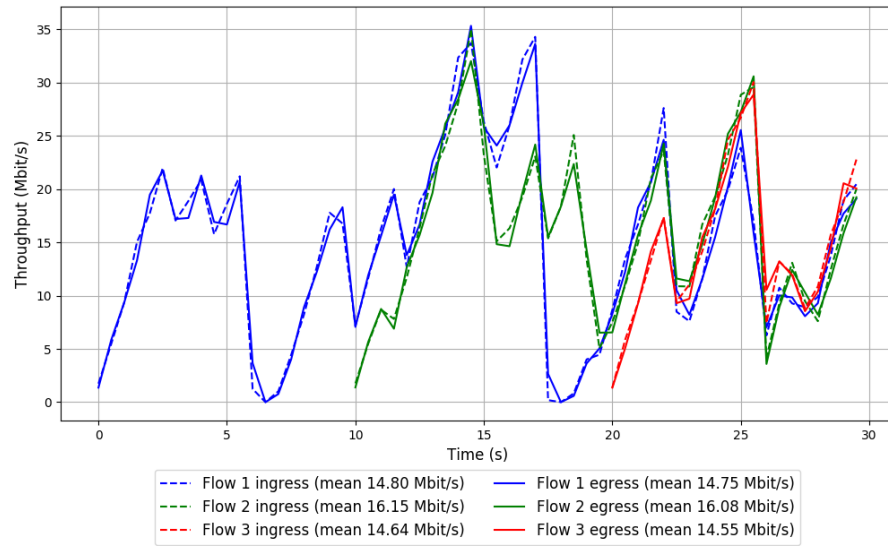


Run 8: Statistics of LEDBAT

Start at: 2018-02-04 20:43:51
End at: 2018-02-04 20:44:21
Local clock offset: 0.365 ms
Remote clock offset: -2.999 ms

Below is generated by plot.py at 2018-02-05 02:14:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 29.502 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 14.75 Mbit/s
95th percentile per-packet one-way delay: 28.975 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 16.08 Mbit/s
95th percentile per-packet one-way delay: 29.936 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 14.55 Mbit/s
95th percentile per-packet one-way delay: 29.768 ms
Loss rate: 1.19%

Run 8: Report of LEDBAT — Data Link

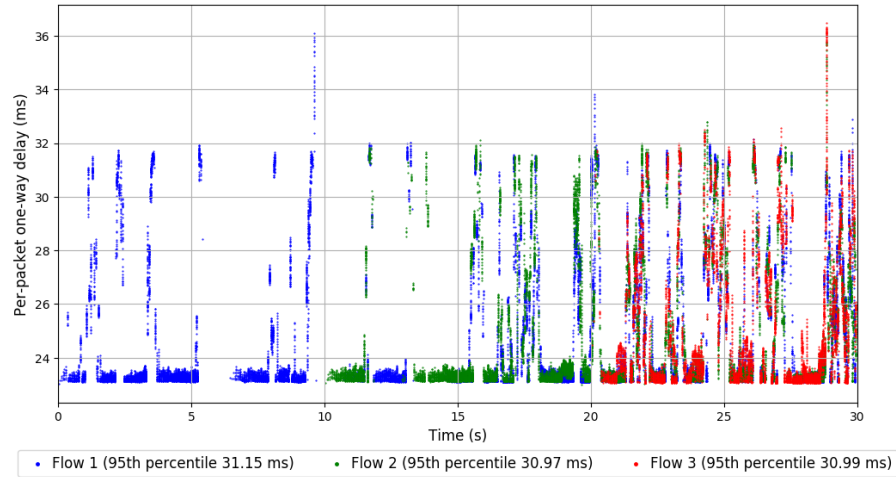
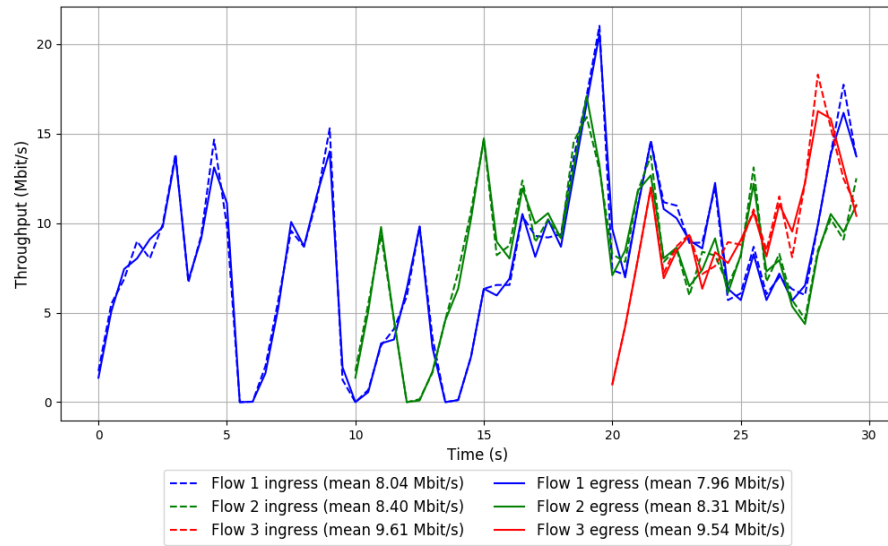


Run 9: Statistics of LEDBAT

Start at: 2018-02-04 21:09:41
End at: 2018-02-04 21:10:11
Local clock offset: 0.359 ms
Remote clock offset: -3.813 ms

Below is generated by plot.py at 2018-02-05 02:14:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.63 Mbit/s
95th percentile per-packet one-way delay: 31.084 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 31.154 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 30.968 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 30.991 ms
Loss rate: 1.33%

Run 9: Report of LEDBAT — Data Link

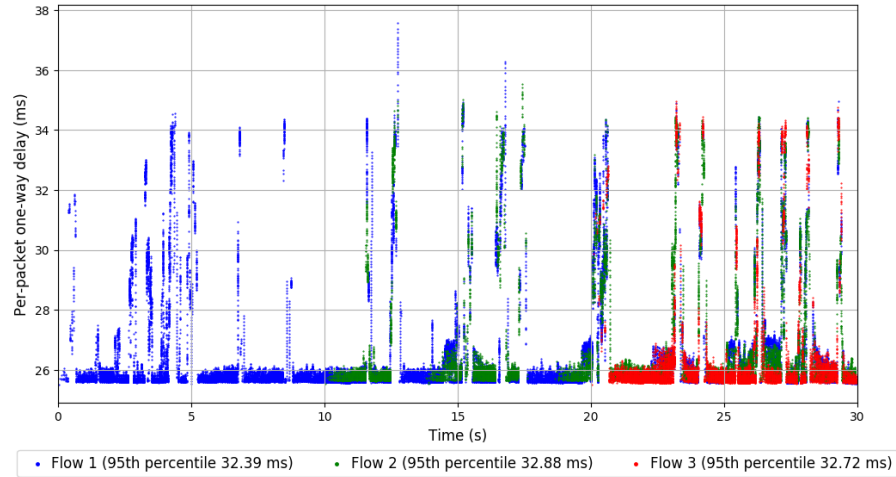
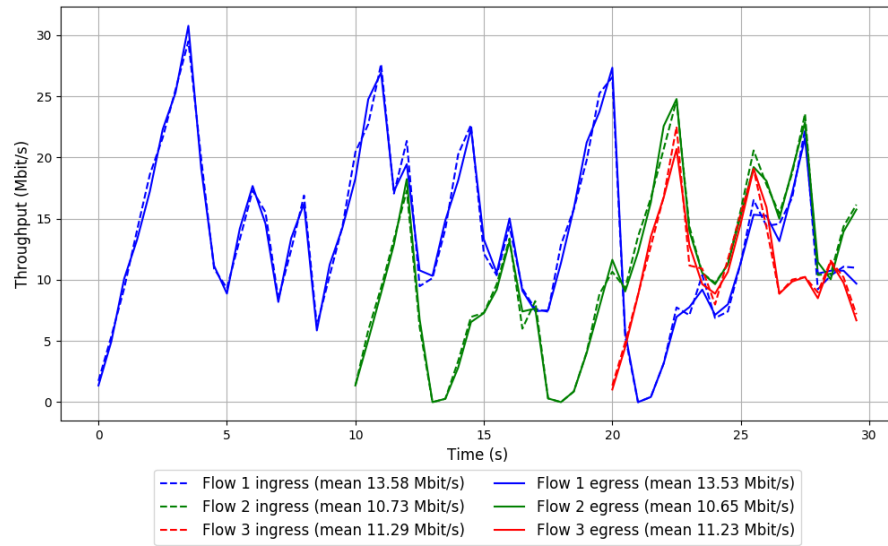


Run 10: Statistics of LEDBAT

Start at: 2018-02-04 21:35:28
End at: 2018-02-04 21:35:58
Local clock offset: 0.35 ms
Remote clock offset: -7.478 ms

Below is generated by plot.py at 2018-02-05 02:14:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 32.619 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 32.394 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 32.875 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 32.719 ms
Loss rate: 1.12%

Run 10: Report of LEDBAT — Data Link

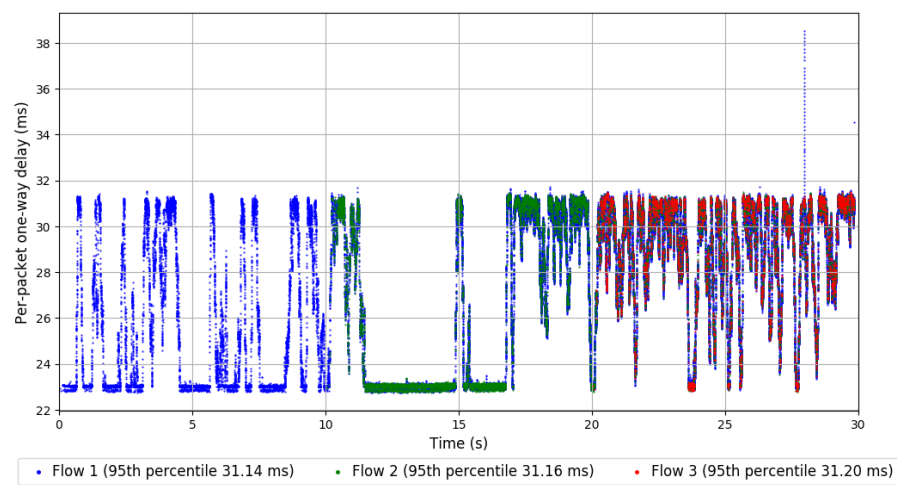
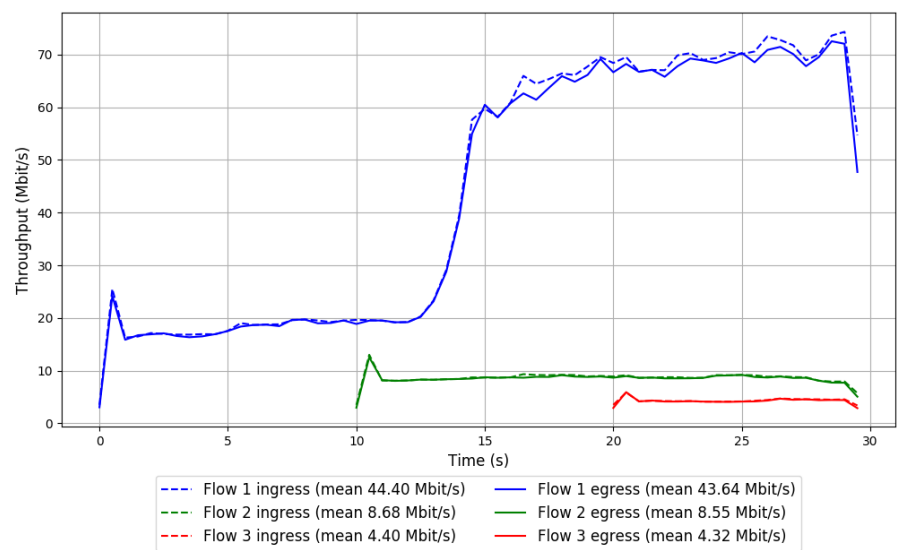


Run 1: Statistics of PCC

Start at: 2018-02-04 17:45:55
End at: 2018-02-04 17:46:25
Local clock offset: 0.28 ms
Remote clock offset: -3.336 ms

Below is generated by plot.py at 2018-02-05 02:15:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.74 Mbit/s
95th percentile per-packet one-way delay: 31.145 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 43.64 Mbit/s
95th percentile per-packet one-way delay: 31.141 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 8.55 Mbit/s
95th percentile per-packet one-way delay: 31.164 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 31.199 ms
Loss rate: 2.34%

Run 1: Report of PCC — Data Link

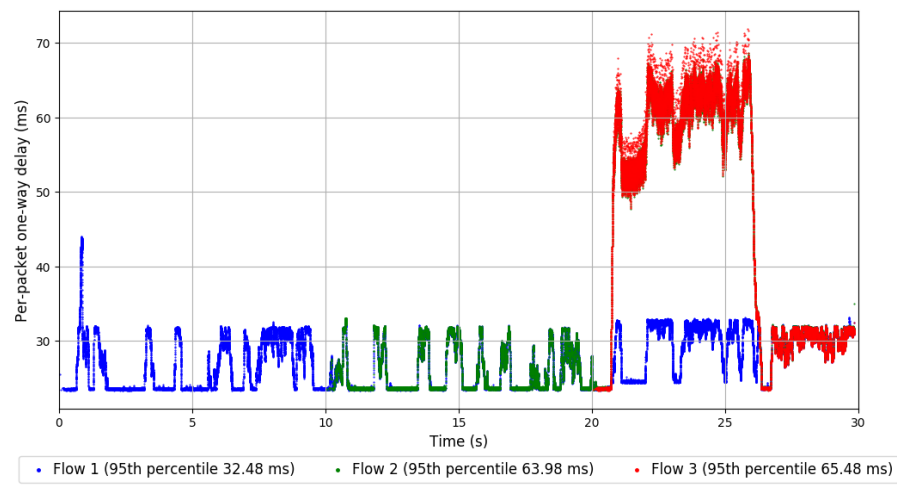
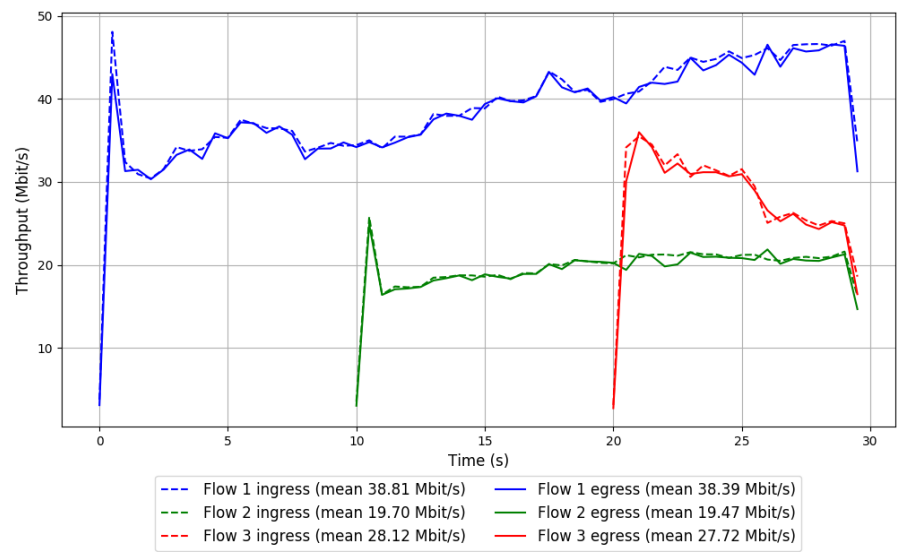


Run 2: Statistics of PCC

Start at: 2018-02-04 18:13:21
End at: 2018-02-04 18:13:51
Local clock offset: 0.381 ms
Remote clock offset: -4.609 ms

Below is generated by plot.py at 2018-02-05 02:15:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 62.804 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 32.480 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 19.47 Mbit/s
95th percentile per-packet one-way delay: 63.984 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 65.481 ms
Loss rate: 1.94%

Run 2: Report of PCC — Data Link

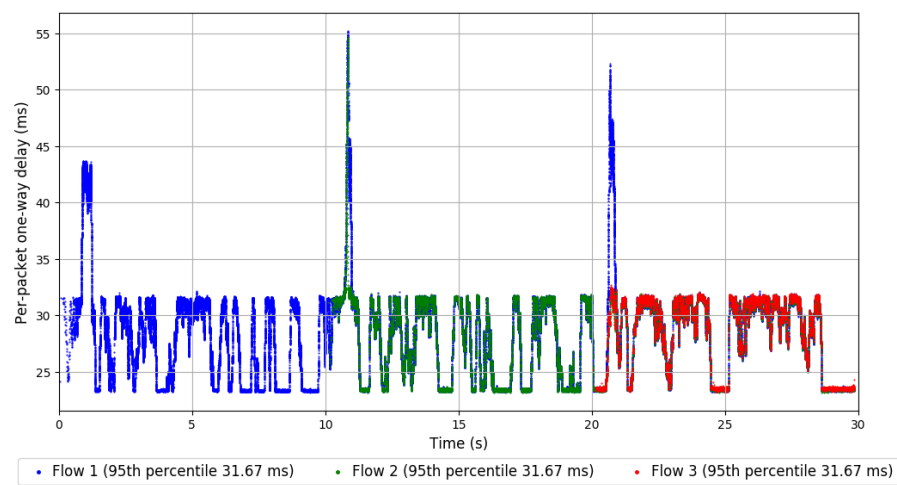
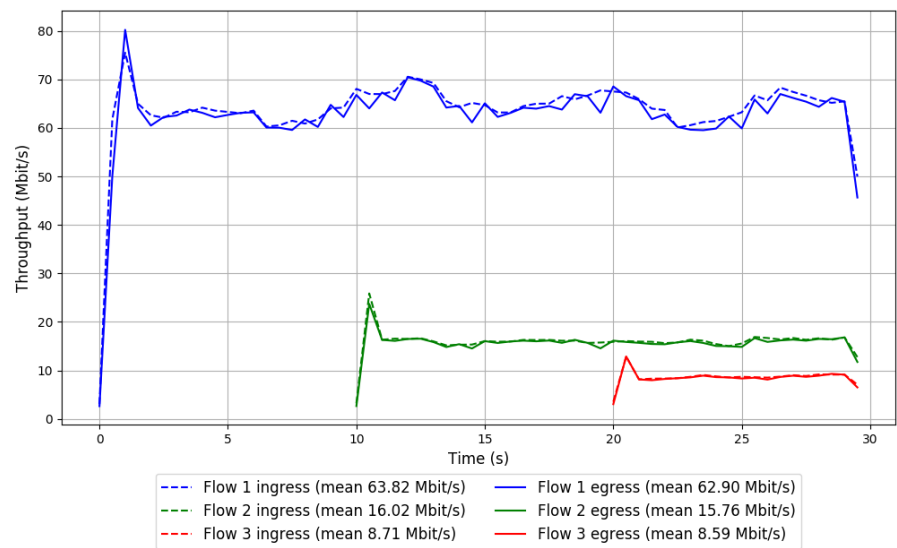


Run 3: Statistics of PCC

Start at: 2018-02-04 18:40:41
End at: 2018-02-04 18:41:11
Local clock offset: 0.198 ms
Remote clock offset: -3.837 ms

Below is generated by plot.py at 2018-02-05 02:15:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.19 Mbit/s
95th percentile per-packet one-way delay: 31.667 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 62.90 Mbit/s
95th percentile per-packet one-way delay: 31.666 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 31.666 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 31.672 ms
Loss rate: 1.86%

Run 3: Report of PCC — Data Link

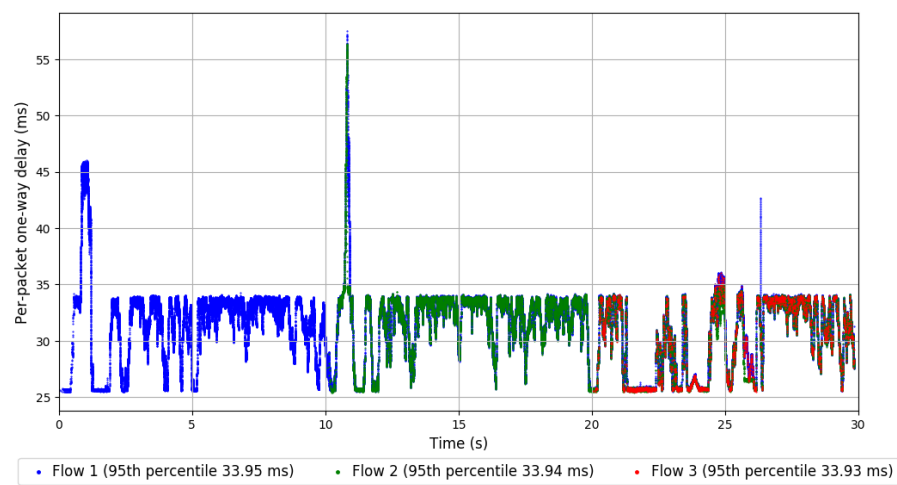
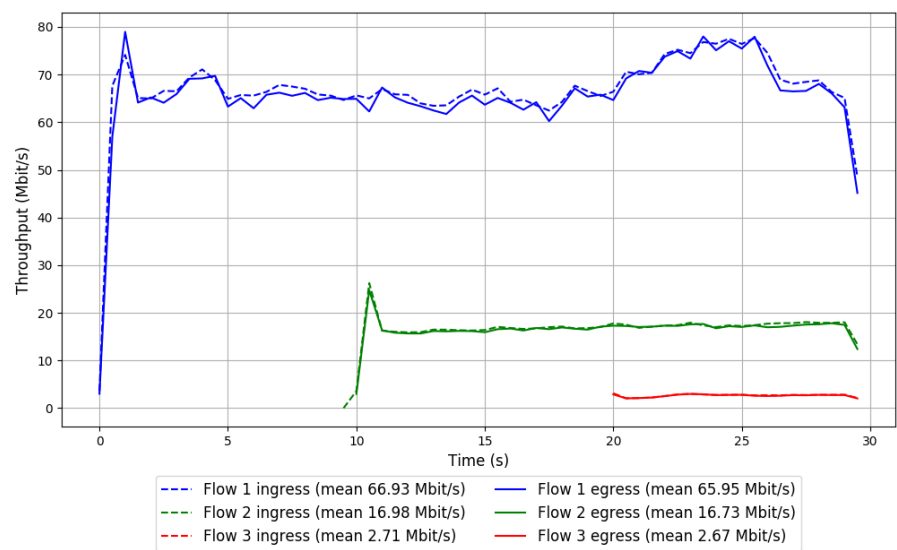


Run 4: Statistics of PCC

Start at: 2018-02-04 19:08:56
End at: 2018-02-04 19:09:26
Local clock offset: 0.223 ms
Remote clock offset: -5.147 ms

Below is generated by plot.py at 2018-02-05 02:15:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.95 Mbit/s
95th percentile per-packet one-way delay: 33.952 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 65.95 Mbit/s
95th percentile per-packet one-way delay: 33.955 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 16.73 Mbit/s
95th percentile per-packet one-way delay: 33.935 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 33.926 ms
Loss rate: 1.96%

Run 4: Report of PCC — Data Link

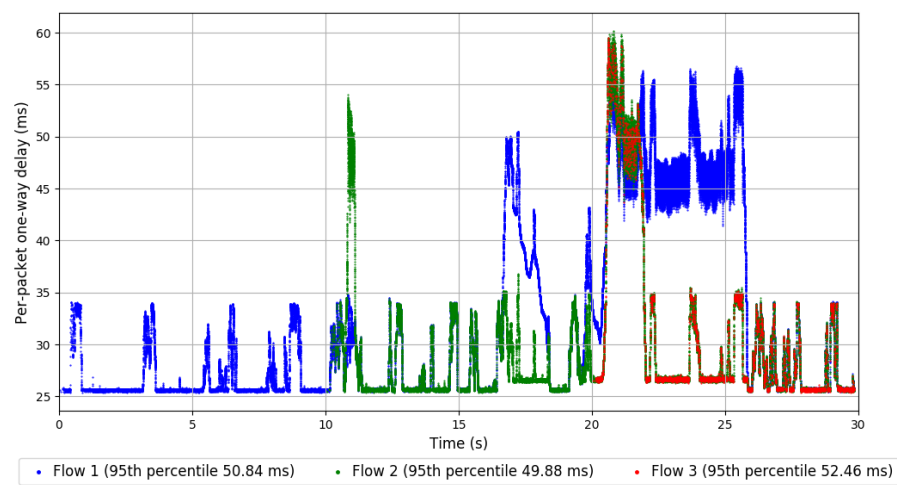
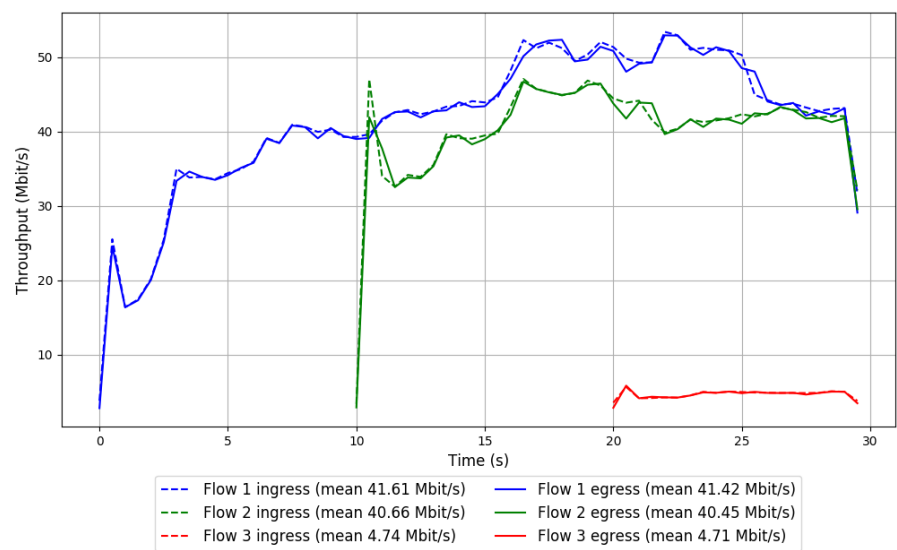


Run 5: Statistics of PCC

Start at: 2018-02-04 19:35:30
End at: 2018-02-04 19:36:00
Local clock offset: 0.461 ms
Remote clock offset: -5.748 ms

Below is generated by plot.py at 2018-02-05 02:15:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.85 Mbit/s
95th percentile per-packet one-way delay: 50.425 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 41.42 Mbit/s
95th percentile per-packet one-way delay: 50.844 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 40.45 Mbit/s
95th percentile per-packet one-way delay: 49.875 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 52.464 ms
Loss rate: 1.16%

Run 5: Report of PCC — Data Link

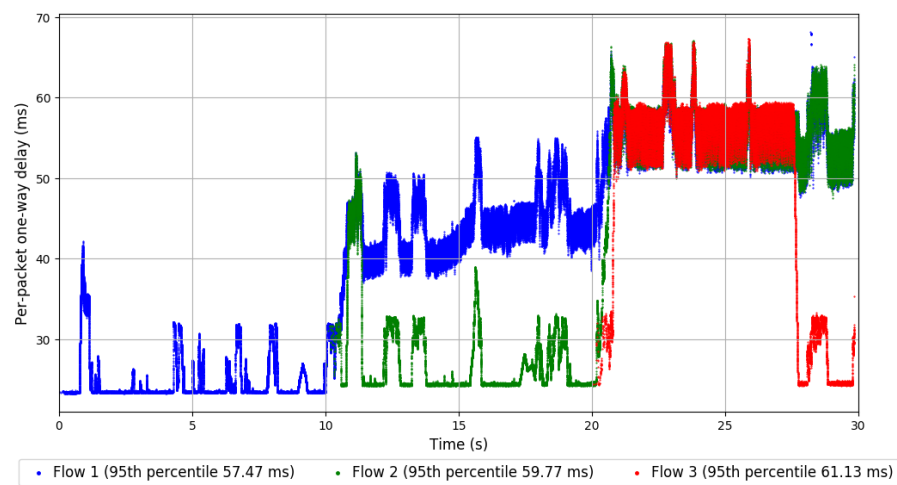
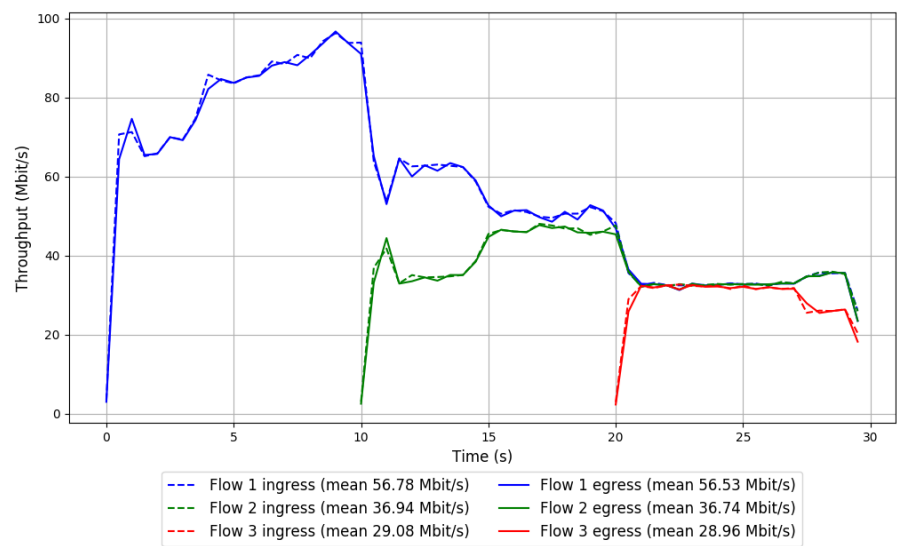


Run 6: Statistics of PCC

Start at: 2018-02-04 20:01:00
End at: 2018-02-04 20:01:30
Local clock offset: 0.539 ms
Remote clock offset: -3.596 ms

Below is generated by plot.py at 2018-02-05 02:16:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.47 Mbit/s
95th percentile per-packet one-way delay: 58.573 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 57.473 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 59.771 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 61.133 ms
Loss rate: 0.93%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-02-04 20:25:59

End at: 2018-02-04 20:26:29

Local clock offset: 0.547 ms

Remote clock offset: -3.77 ms

Below is generated by plot.py at 2018-02-05 02:16:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.06 Mbit/s

95th percentile per-packet one-way delay: 48.276 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 71.30 Mbit/s

95th percentile per-packet one-way delay: 48.117 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 49.996 ms

Loss rate: 0.68%

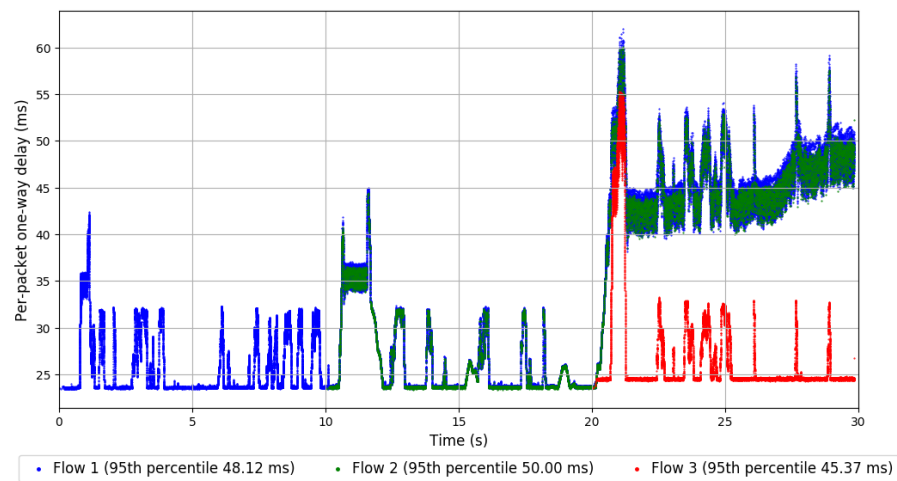
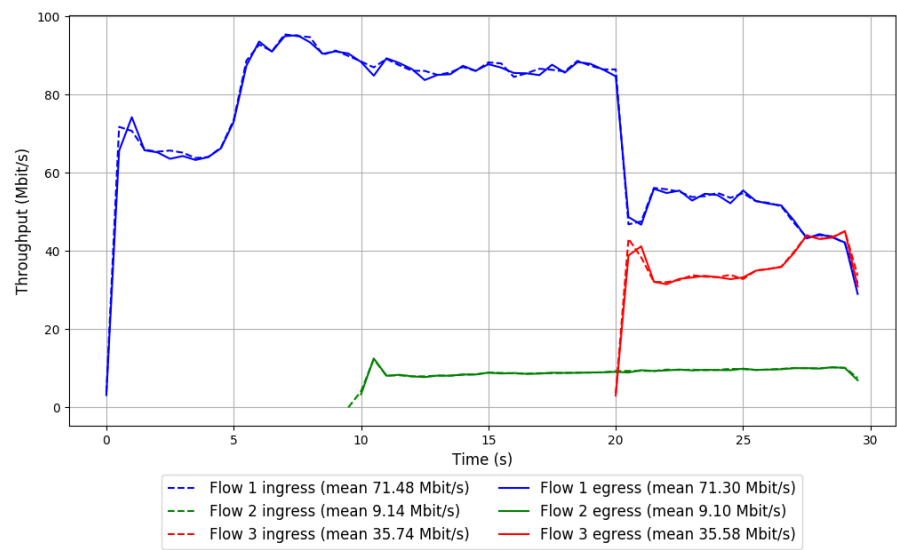
-- Flow 3:

Average throughput: 35.58 Mbit/s

95th percentile per-packet one-way delay: 45.368 ms

Loss rate: 0.96%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-02-04 20:51:22

End at: 2018-02-04 20:51:52

Local clock offset: 0.141 ms

Remote clock offset: -3.64 ms

Below is generated by plot.py at 2018-02-05 02:16:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.20 Mbit/s

95th percentile per-packet one-way delay: 61.252 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 36.14 Mbit/s

95th percentile per-packet one-way delay: 59.226 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 35.48 Mbit/s

95th percentile per-packet one-way delay: 60.980 ms

Loss rate: 0.90%

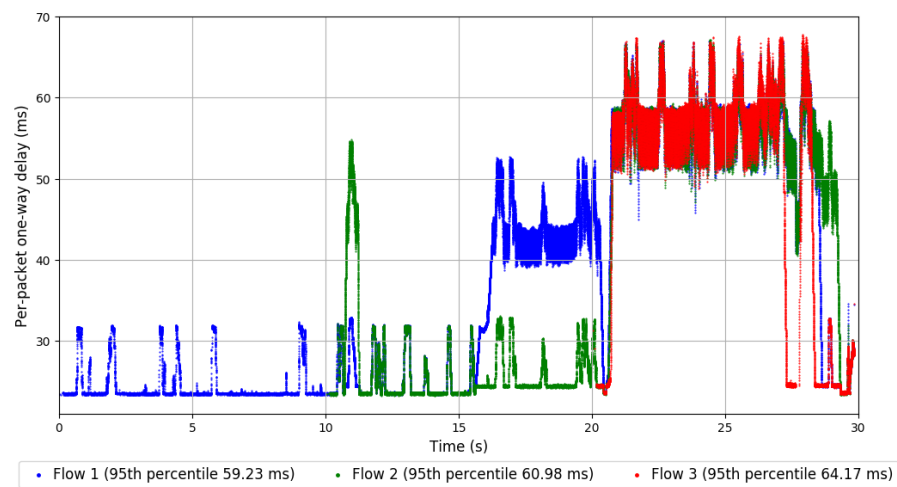
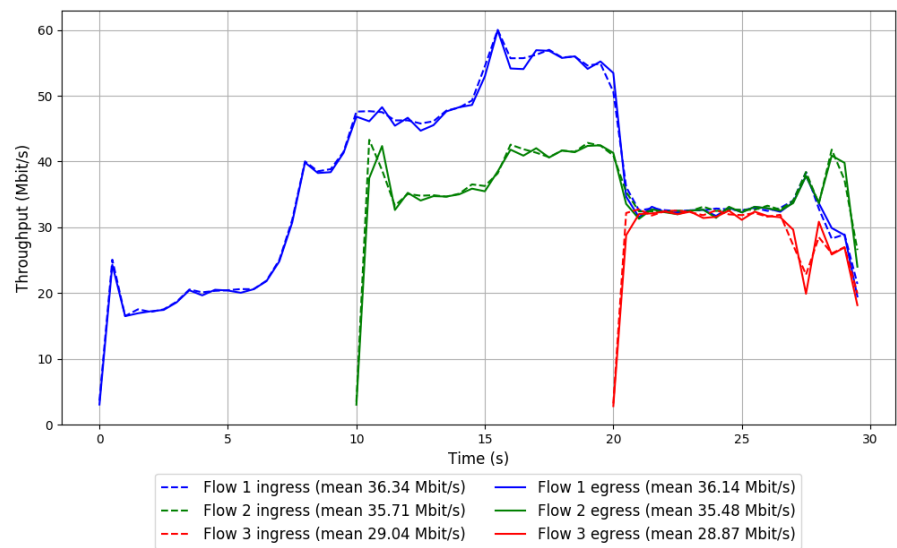
-- Flow 3:

Average throughput: 28.87 Mbit/s

95th percentile per-packet one-way delay: 64.169 ms

Loss rate: 1.14%

Run 8: Report of PCC — Data Link

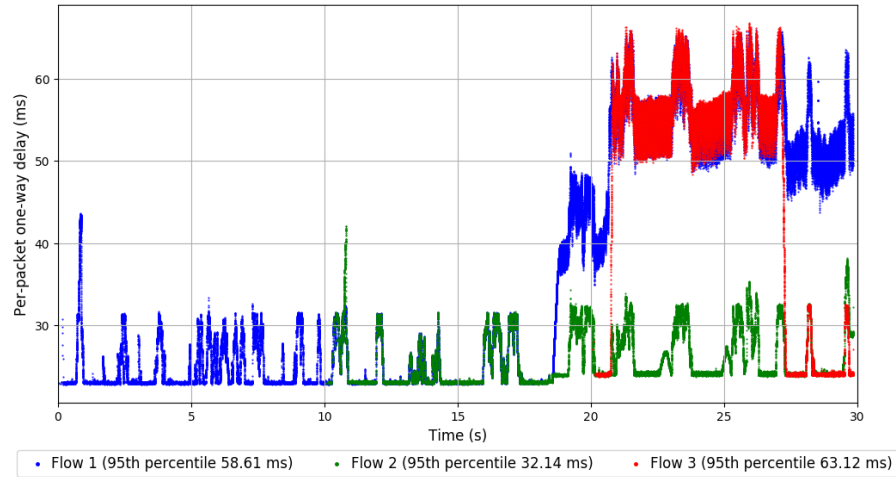
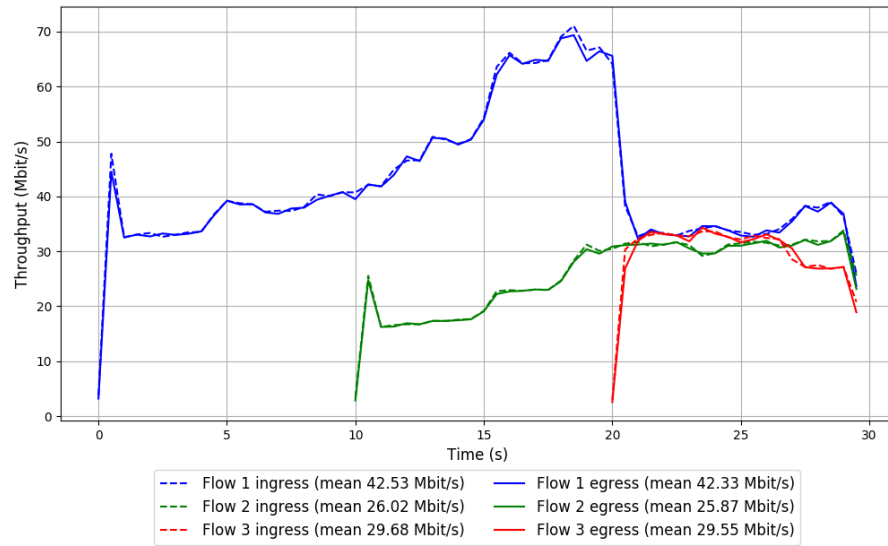


Run 9: Statistics of PCC

Start at: 2018-02-04 21:17:12
End at: 2018-02-04 21:17:42
Local clock offset: 0.434 ms
Remote clock offset: -4.006 ms

Below is generated by plot.py at 2018-02-05 02:16:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.23 Mbit/s
95th percentile per-packet one-way delay: 59.354 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 42.33 Mbit/s
95th percentile per-packet one-way delay: 58.609 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 25.87 Mbit/s
95th percentile per-packet one-way delay: 32.143 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 29.55 Mbit/s
95th percentile per-packet one-way delay: 63.122 ms
Loss rate: 0.97%

Run 9: Report of PCC — Data Link

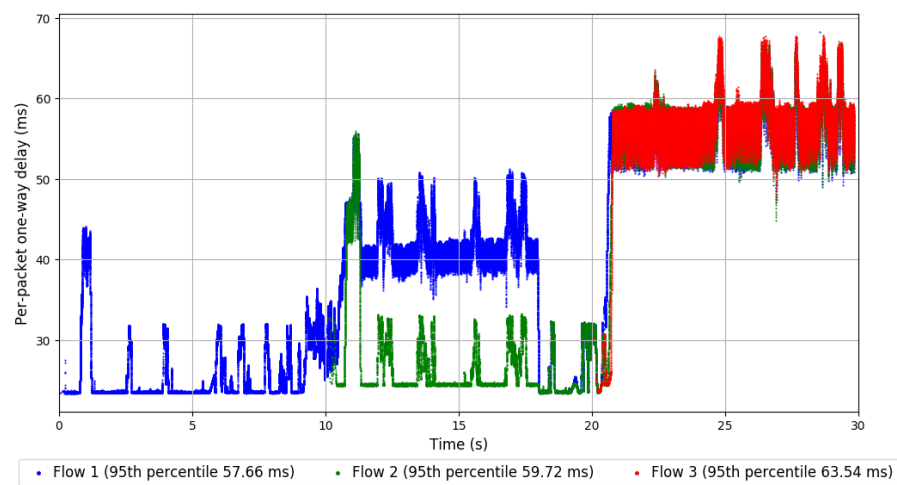
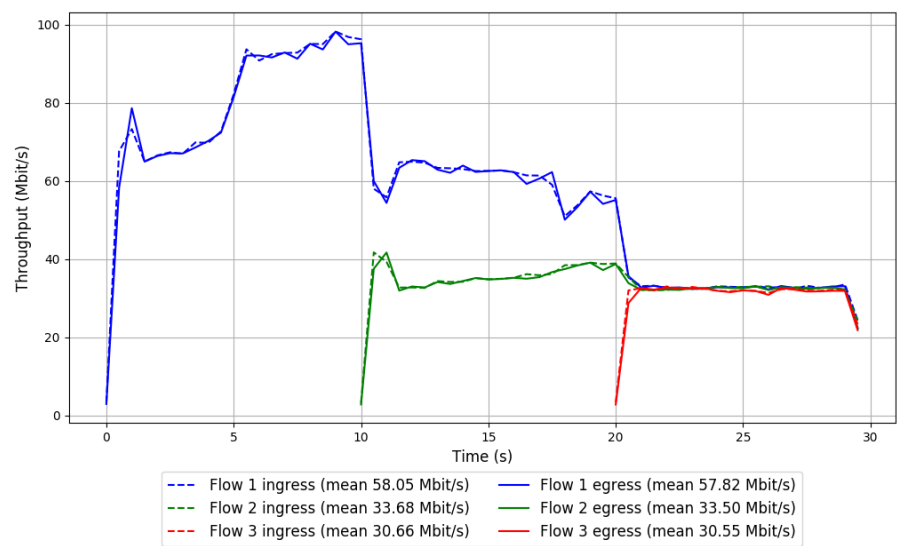


Run 10: Statistics of PCC

Start at: 2018-02-04 21:42:33
End at: 2018-02-04 21:43:03
Local clock offset: 0.164 ms
Remote clock offset: -5.927 ms

Below is generated by plot.py at 2018-02-05 02:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.12 Mbit/s
95th percentile per-packet one-way delay: 58.906 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 57.82 Mbit/s
95th percentile per-packet one-way delay: 57.657 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 59.721 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 63.541 ms
Loss rate: 1.10%

Run 10: Report of PCC — Data Link

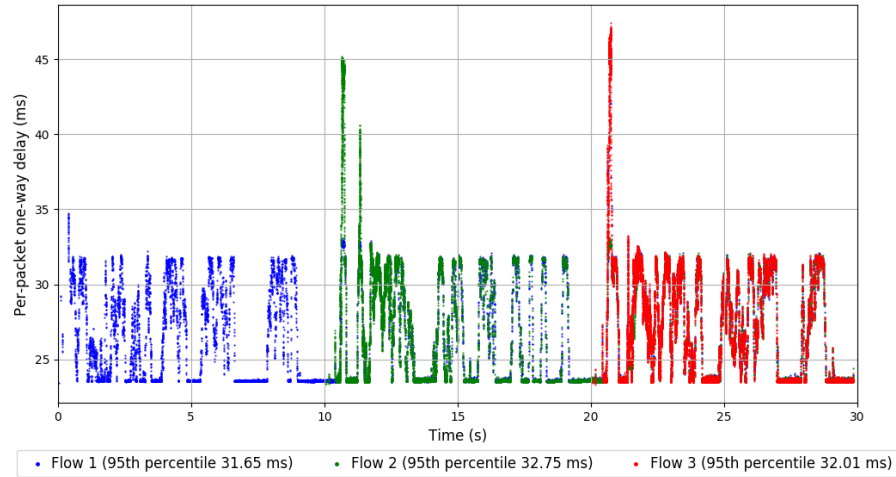
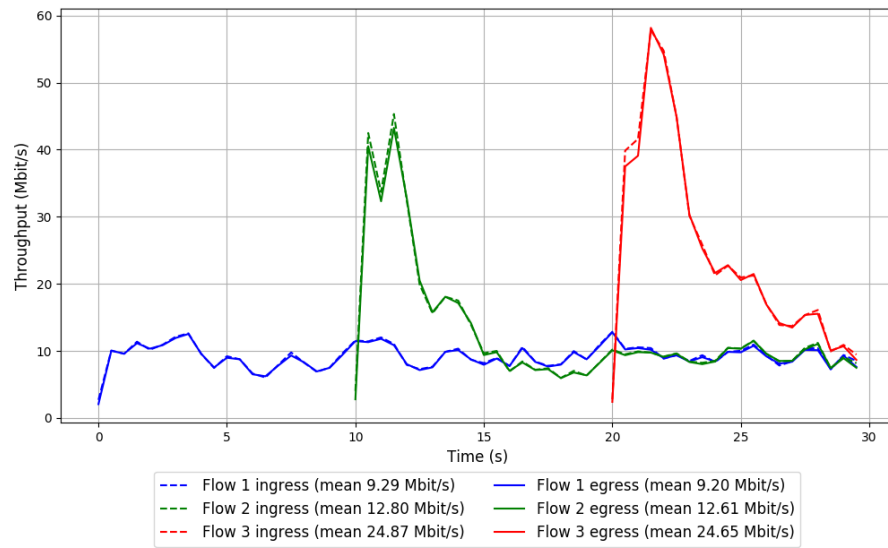


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-04 17:35:04
End at: 2018-02-04 17:35:34
Local clock offset: 0.183 ms
Remote clock offset: -3.139 ms

Below is generated by plot.py at 2018-02-05 02:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.69 Mbit/s
95th percentile per-packet one-way delay: 31.822 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 9.20 Mbit/s
95th percentile per-packet one-way delay: 31.647 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 32.754 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 32.009 ms
Loss rate: 1.42%

Run 1: Report of QUIC Cubic — Data Link

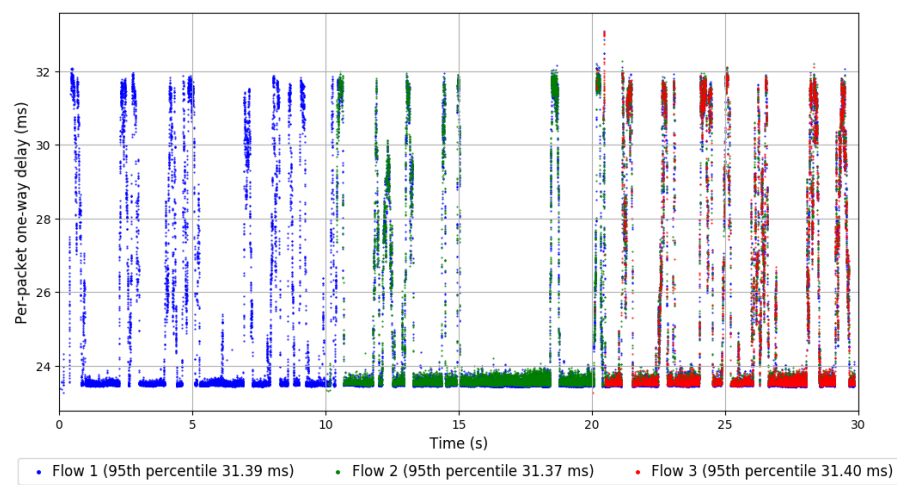
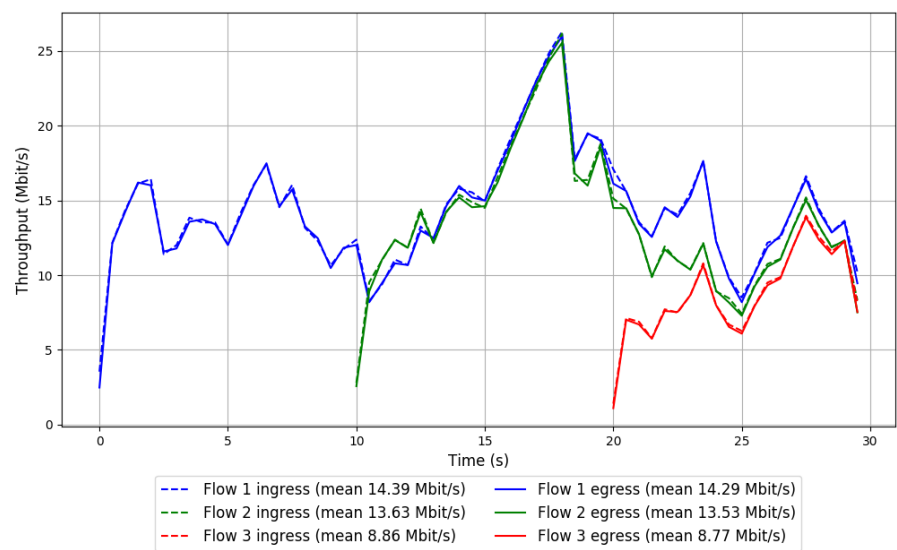


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-04 18:02:17
End at: 2018-02-04 18:02:47
Local clock offset: 0.444 ms
Remote clock offset: -4.548 ms

Below is generated by plot.py at 2018-02-05 02:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.16 Mbit/s
95th percentile per-packet one-way delay: 31.383 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 14.29 Mbit/s
95th percentile per-packet one-way delay: 31.385 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 31.371 ms
Loss rate: 0.95%
-- Flow 3:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 31.396 ms
Loss rate: 1.45%

Run 2: Report of QUIC Cubic — Data Link

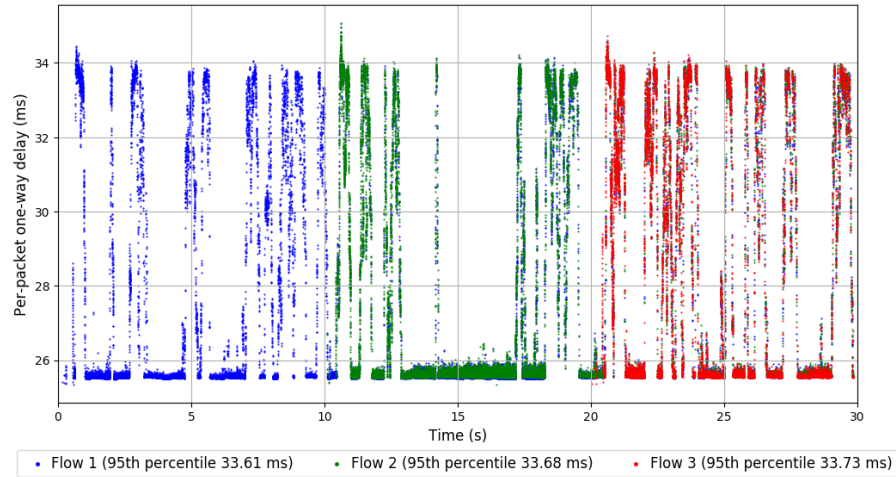
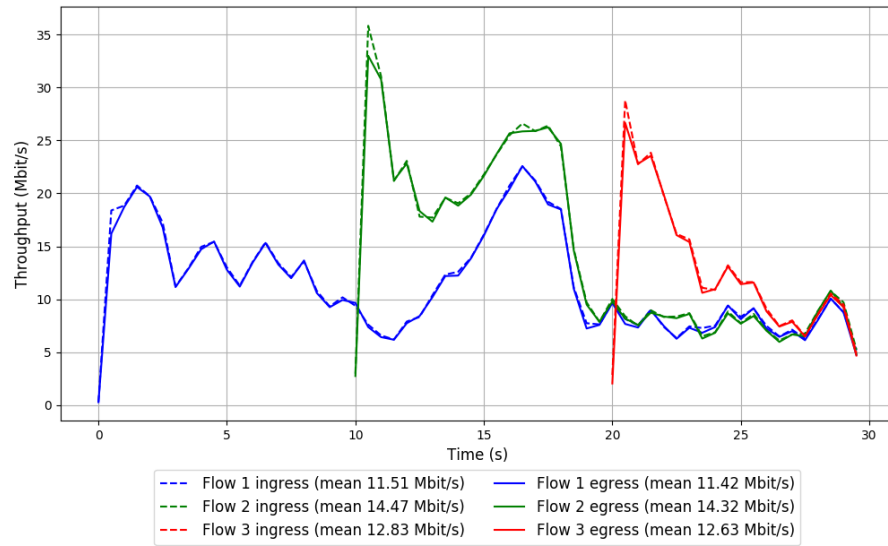


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-04 18:29:14
End at: 2018-02-04 18:29:44
Local clock offset: 0.198 ms
Remote clock offset: -6.202 ms

Below is generated by plot.py at 2018-02-05 02:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.16 Mbit/s
95th percentile per-packet one-way delay: 33.664 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 33.613 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 14.32 Mbit/s
95th percentile per-packet one-way delay: 33.682 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 12.63 Mbit/s
95th percentile per-packet one-way delay: 33.730 ms
Loss rate: 2.12%

Run 3: Report of QUIC Cubic — Data Link

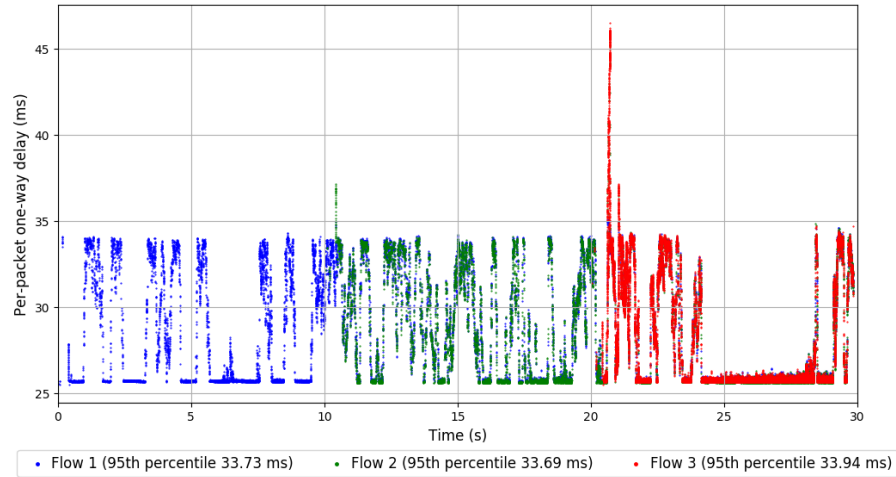
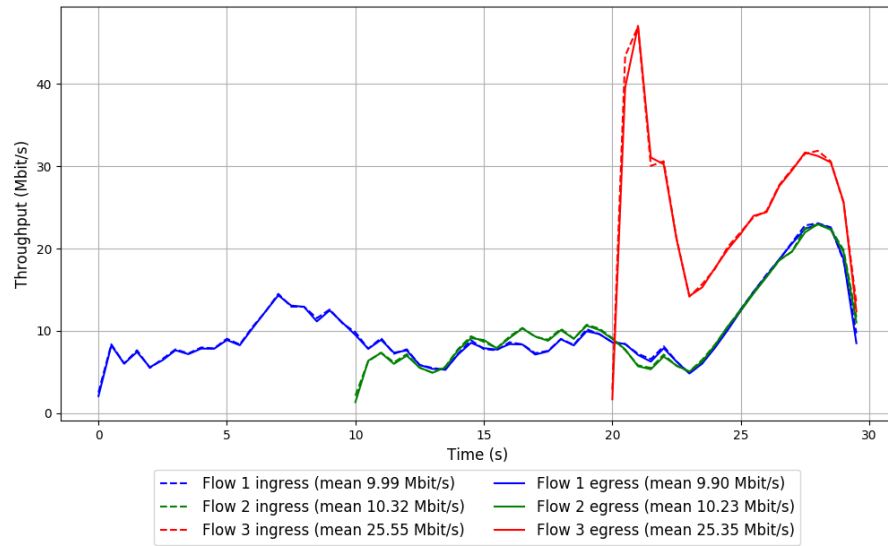


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-04 18:57:10
End at: 2018-02-04 18:57:40
Local clock offset: 0.297 ms
Remote clock offset: -5.247 ms

Below is generated by plot.py at 2018-02-05 02:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 33.794 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 9.90 Mbit/s
95th percentile per-packet one-way delay: 33.728 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 33.693 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 33.938 ms
Loss rate: 1.35%

Run 4: Report of QUIC Cubic — Data Link

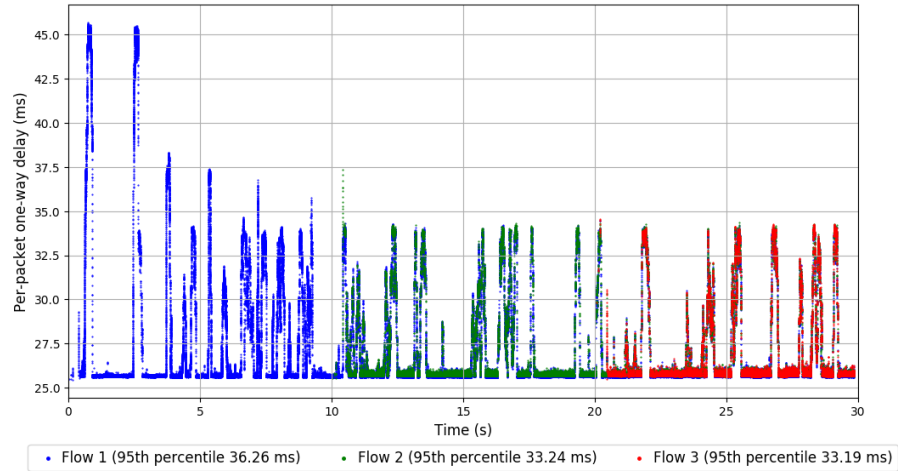
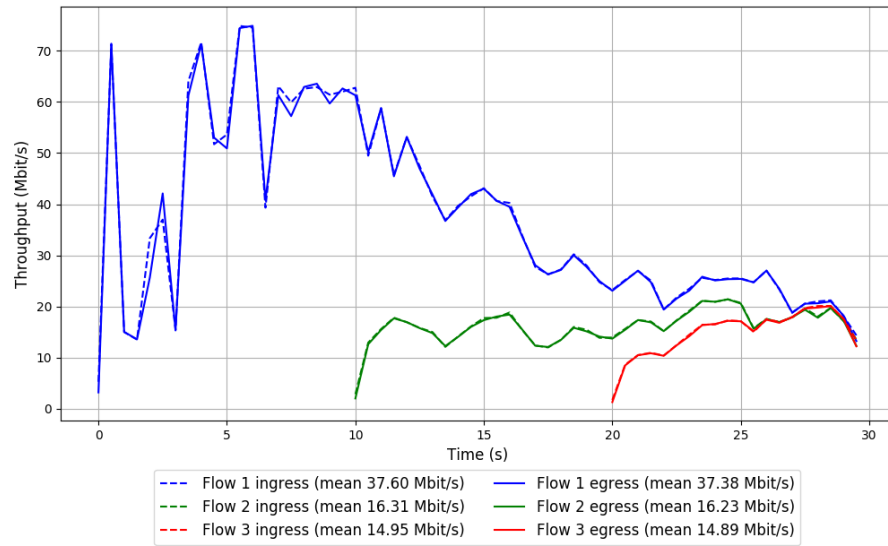


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-04 19:25:30
End at: 2018-02-04 19:26:00
Local clock offset: 0.366 ms
Remote clock offset: -5.538 ms

Below is generated by plot.py at 2018-02-05 02:17:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 33.867 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 36.255 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 16.23 Mbit/s
95th percentile per-packet one-way delay: 33.237 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 14.89 Mbit/s
95th percentile per-packet one-way delay: 33.194 ms
Loss rate: 0.97%

Run 5: Report of QUIC Cubic — Data Link

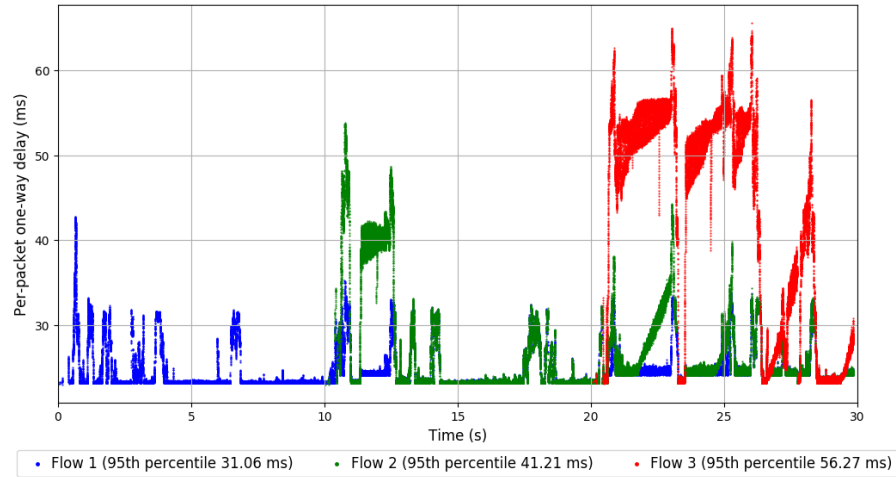
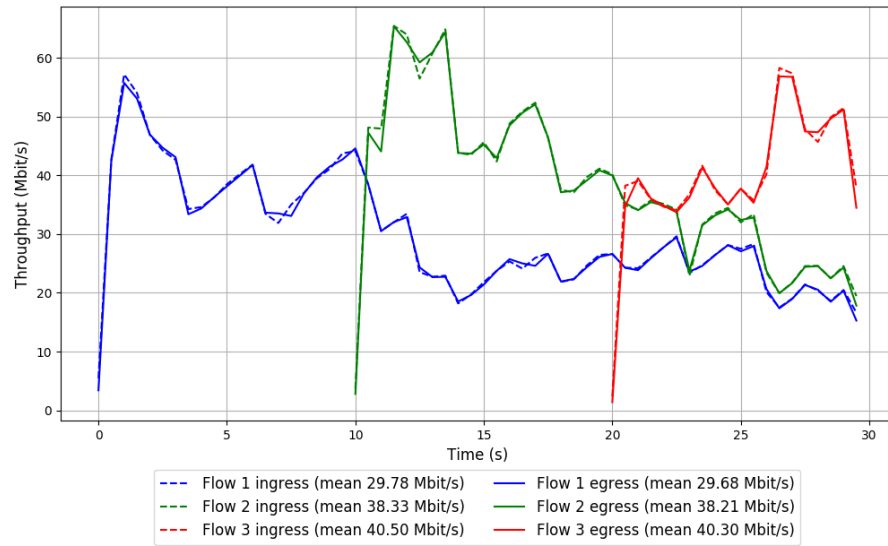


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-04 19:50:50
End at: 2018-02-04 19:51:20
Local clock offset: 0.554 ms
Remote clock offset: -3.451 ms

Below is generated by plot.py at 2018-02-05 02:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.29 Mbit/s
95th percentile per-packet one-way delay: 53.082 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 31.060 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 41.213 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 56.273 ms
Loss rate: 1.05%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-02-04 20:16:08

End at: 2018-02-04 20:16:38

Local clock offset: 0.615 ms

Remote clock offset: -3.85 ms

Below is generated by plot.py at 2018-02-05 02:17:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.90 Mbit/s

95th percentile per-packet one-way delay: 45.950 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 41.19 Mbit/s

95th percentile per-packet one-way delay: 36.557 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 34.26 Mbit/s

95th percentile per-packet one-way delay: 47.736 ms

Loss rate: 0.44%

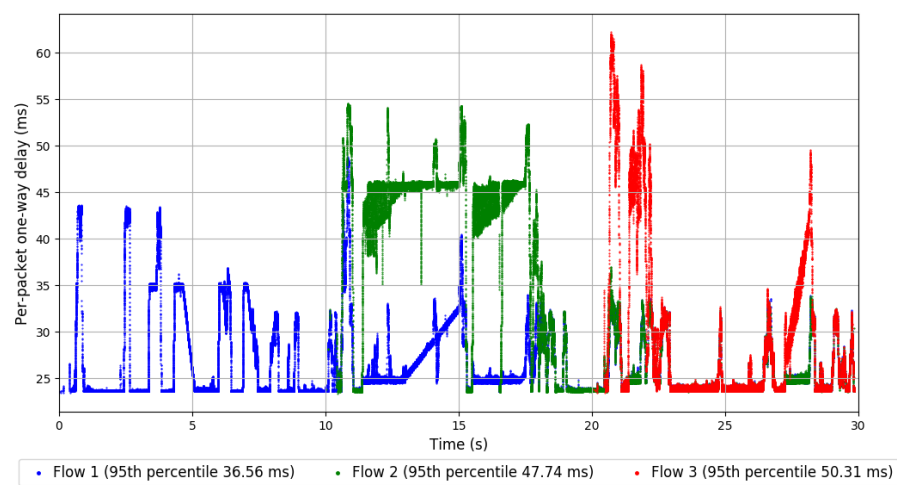
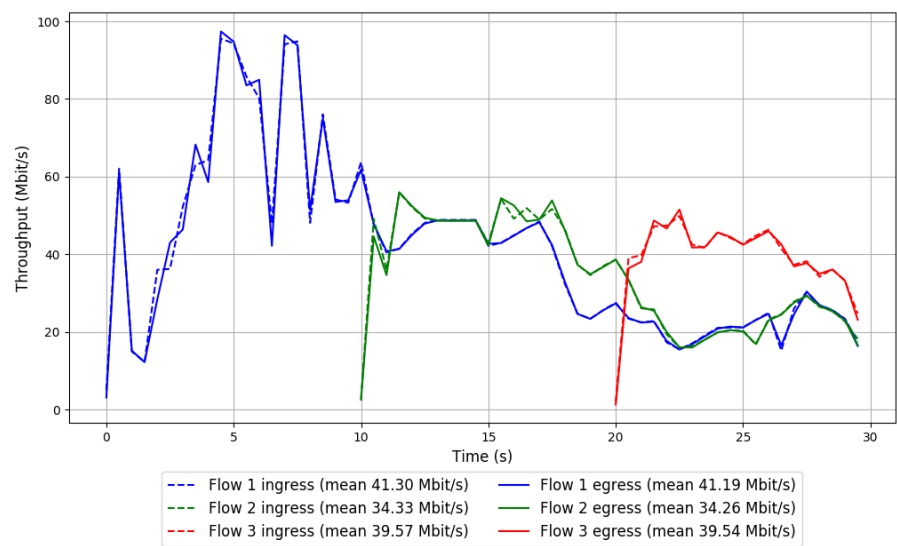
-- Flow 3:

Average throughput: 39.54 Mbit/s

95th percentile per-packet one-way delay: 50.315 ms

Loss rate: 0.59%

Run 7: Report of QUIC Cubic — Data Link

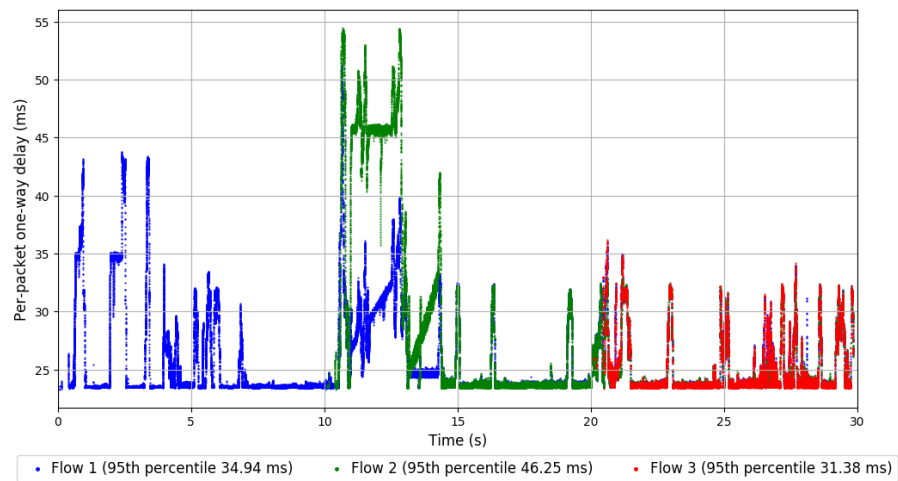
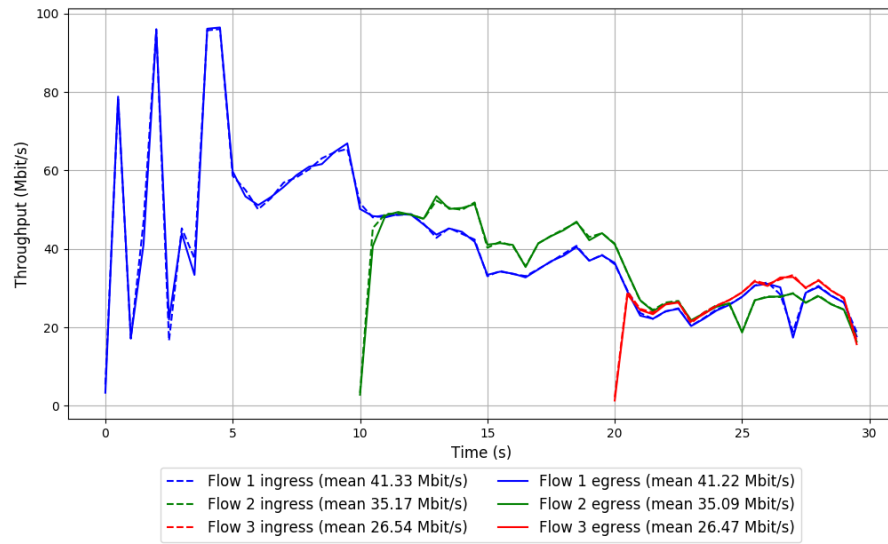


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-04 20:40:53
End at: 2018-02-04 20:41:23
Local clock offset: 0.327 ms
Remote clock offset: -3.445 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.20 Mbit/s
95th percentile per-packet one-way delay: 42.624 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 41.22 Mbit/s
95th percentile per-packet one-way delay: 34.939 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 46.251 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 31.377 ms
Loss rate: 0.80%

Run 8: Report of QUIC Cubic — Data Link

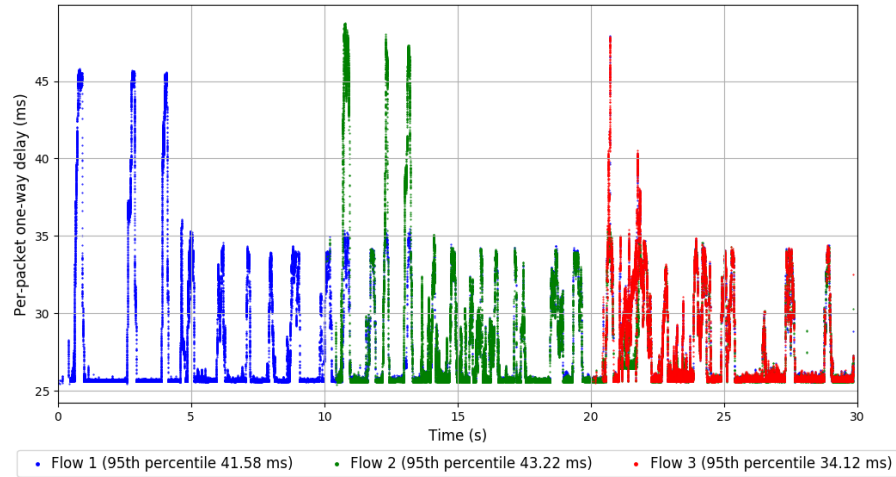
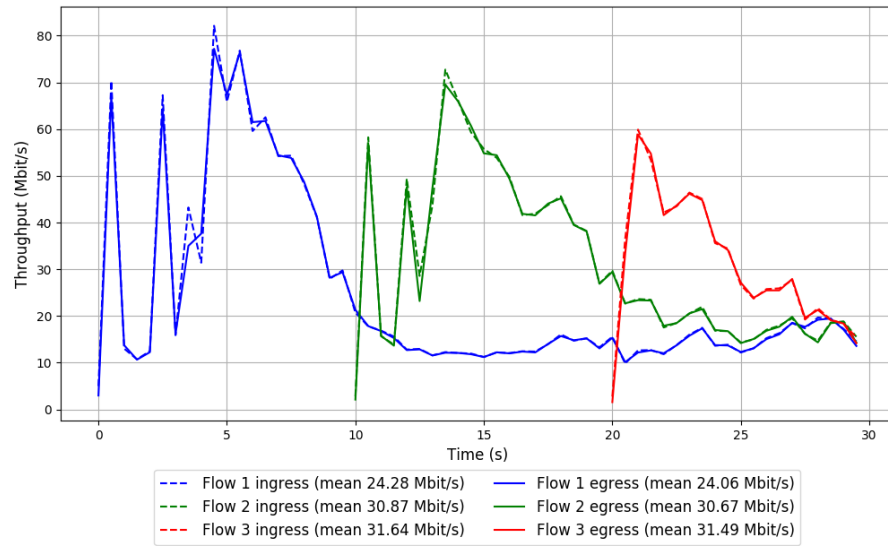


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-04 21:06:41
End at: 2018-02-04 21:07:11
Local clock offset: 0.255 ms
Remote clock offset: -6.275 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 39.904 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 41.580 ms
Loss rate: 1.07%
-- Flow 2:
Average throughput: 30.67 Mbit/s
95th percentile per-packet one-way delay: 43.218 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 34.116 ms
Loss rate: 0.94%

Run 9: Report of QUIC Cubic — Data Link

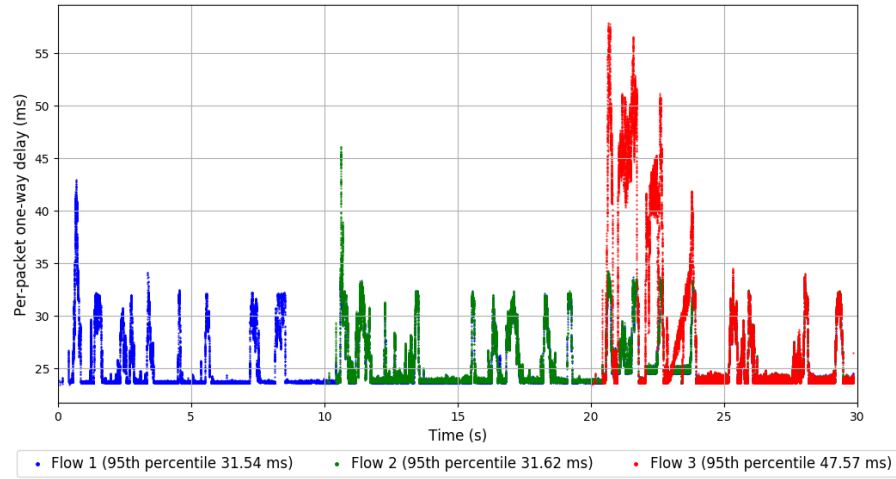
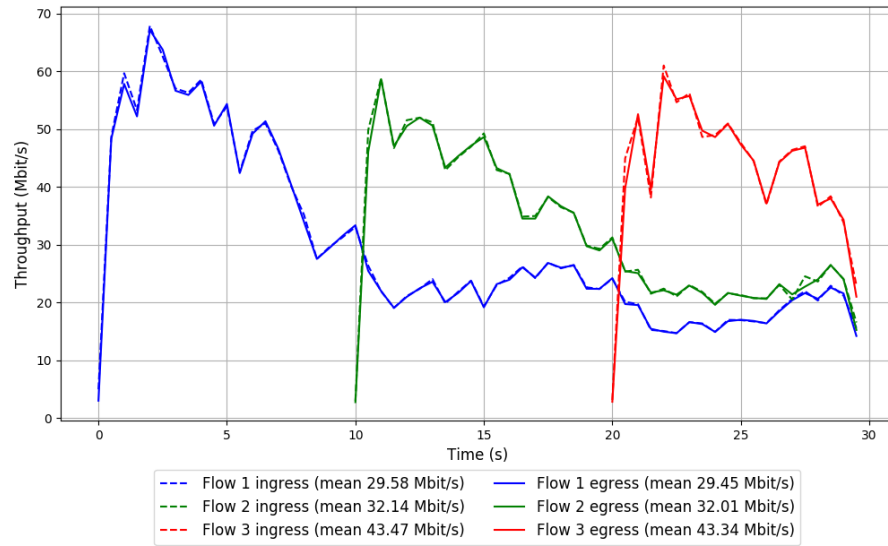


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-04 21:32:35
End at: 2018-02-04 21:33:05
Local clock offset: 0.386 ms
Remote clock offset: -5.291 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.97 Mbit/s
95th percentile per-packet one-way delay: 34.884 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 31.536 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 31.623 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 43.34 Mbit/s
95th percentile per-packet one-way delay: 47.568 ms
Loss rate: 0.80%

Run 10: Report of QUIC Cubic — Data Link

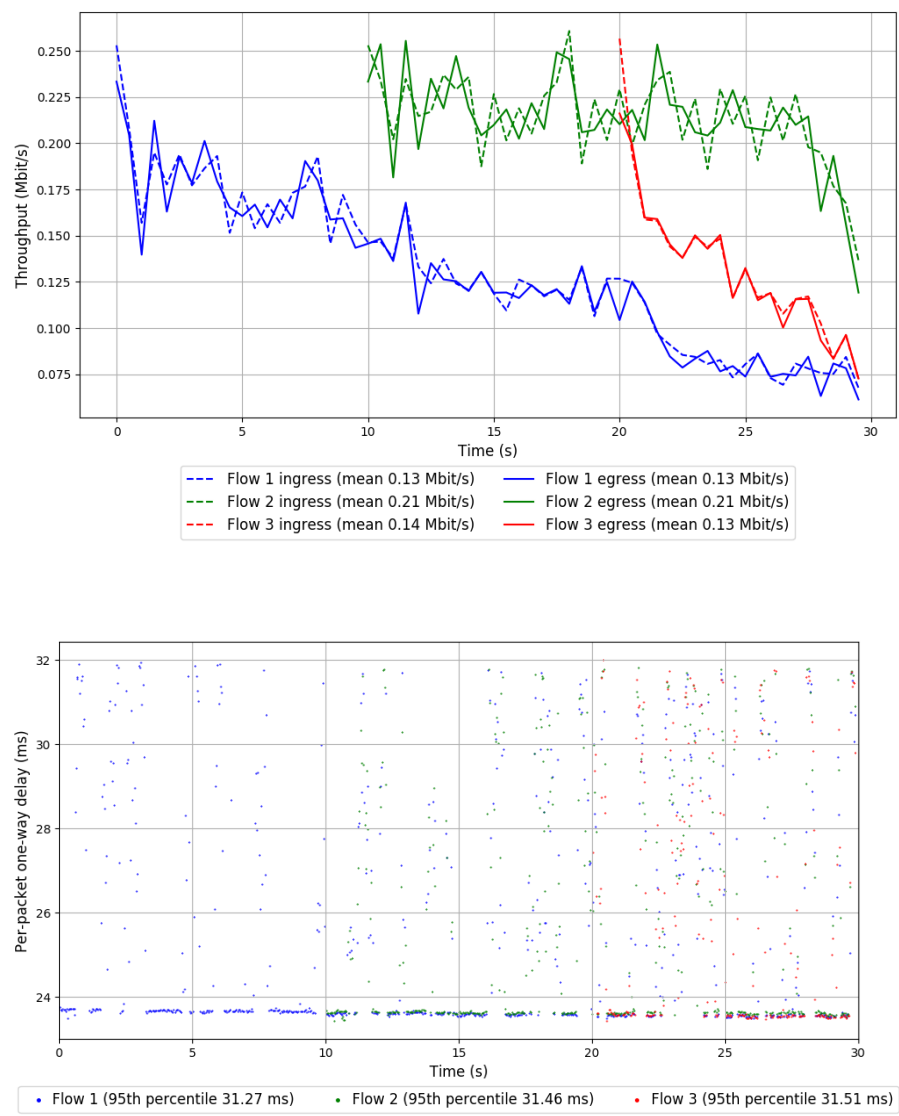


Run 1: Statistics of SReAM

Start at: 2018-02-04 17:47:21
End at: 2018-02-04 17:47:51
Local clock offset: 0.377 ms
Remote clock offset: -3.974 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 31.433 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 31.269 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.458 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 31.512 ms
Loss rate: 1.83%

Run 1: Report of SReAM — Data Link

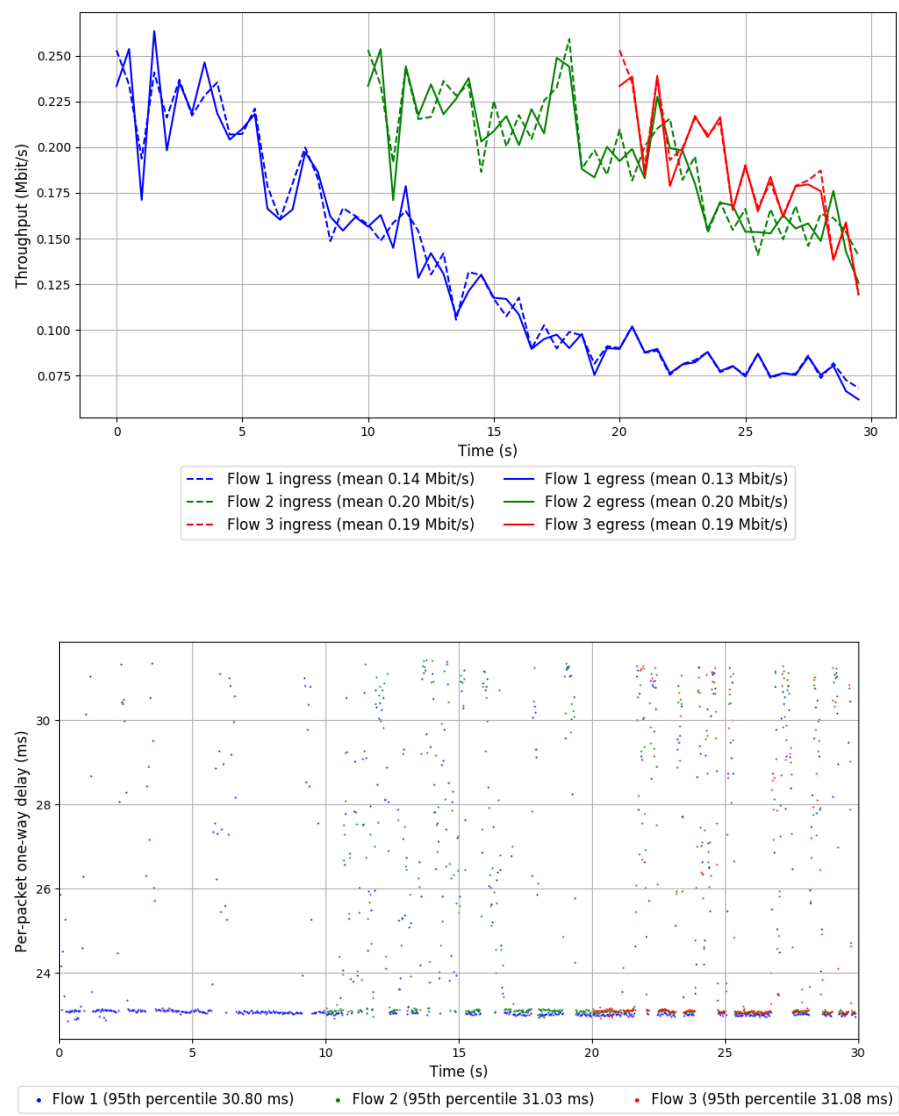


Run 2: Statistics of SReAM

Start at: 2018-02-04 18:14:44
End at: 2018-02-04 18:15:14
Local clock offset: 0.426 ms
Remote clock offset: -3.991 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 30.980 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 30.799 ms
Loss rate: 1.13%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 31.027 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 31.078 ms
Loss rate: 1.15%

Run 2: Report of SReAM — Data Link

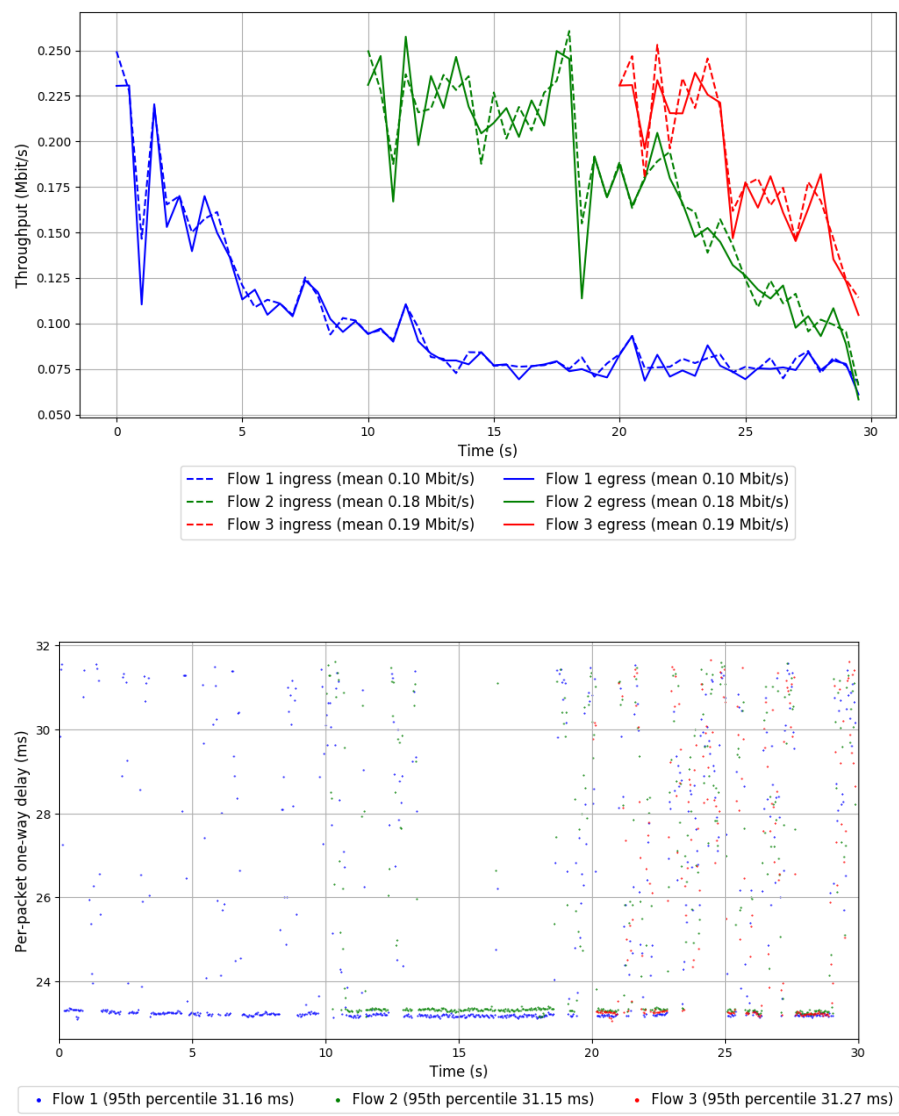


Run 3: Statistics of SCReAM

Start at: 2018-02-04 18:42:07
End at: 2018-02-04 18:42:37
Local clock offset: 0.288 ms
Remote clock offset: -3.579 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 31.194 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 31.157 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 31.148 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 31.271 ms
Loss rate: 1.76%

Run 3: Report of SReAM — Data Link

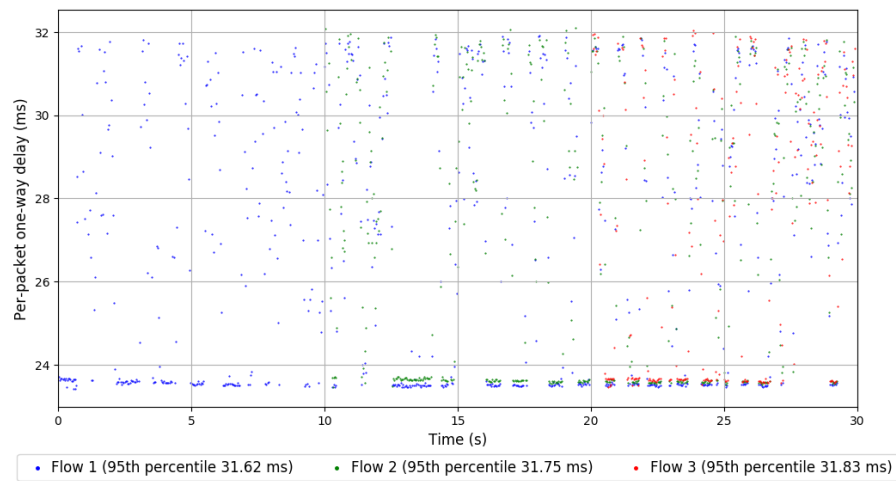
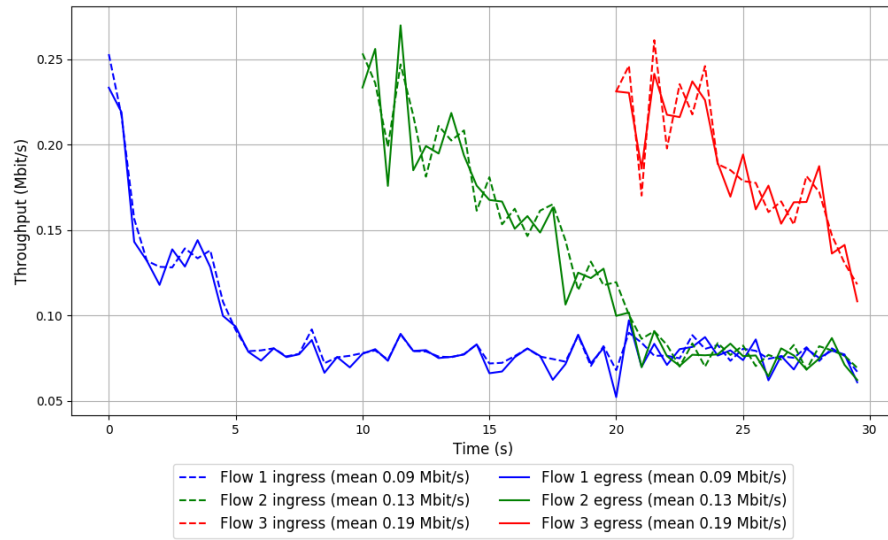


Run 4: Statistics of SCReAM

Start at: 2018-02-04 19:10:32
End at: 2018-02-04 19:11:02
Local clock offset: 0.21 ms
Remote clock offset: -3.163 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 31.698 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 31.620 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 31.746 ms
Loss rate: 2.34%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 31.834 ms
Loss rate: 0.77%

Run 4: Report of SReAM — Data Link

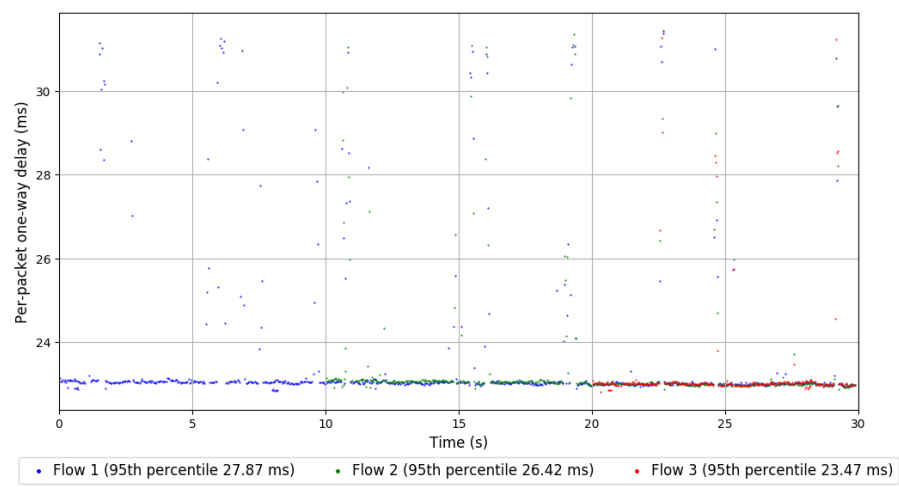
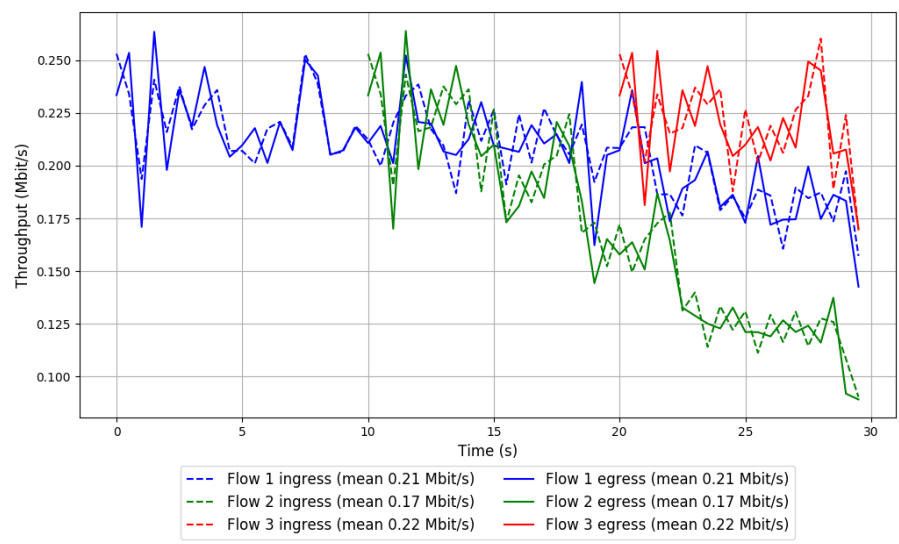


Run 5: Statistics of SReAM

Start at: 2018-02-04 19:36:56
End at: 2018-02-04 19:37:26
Local clock offset: 0.486 ms
Remote clock offset: -3.211 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 26.927 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 27.868 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 26.423 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.468 ms
Loss rate: 0.35%

Run 5: Report of SCReAM — Data Link

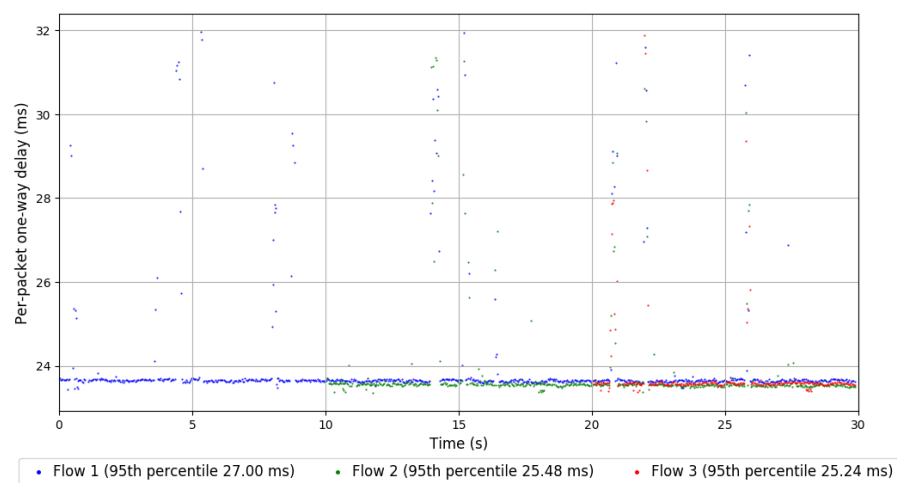
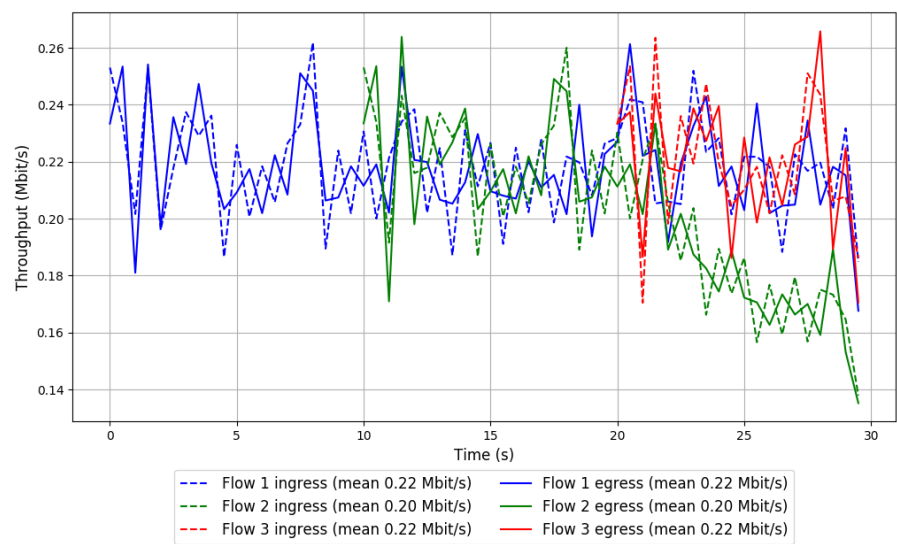


Run 6: Statistics of SReAM

Start at: 2018-02-04 20:02:21
End at: 2018-02-04 20:02:51
Local clock offset: 0.48 ms
Remote clock offset: -3.751 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 26.136 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.005 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 25.477 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.237 ms
Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

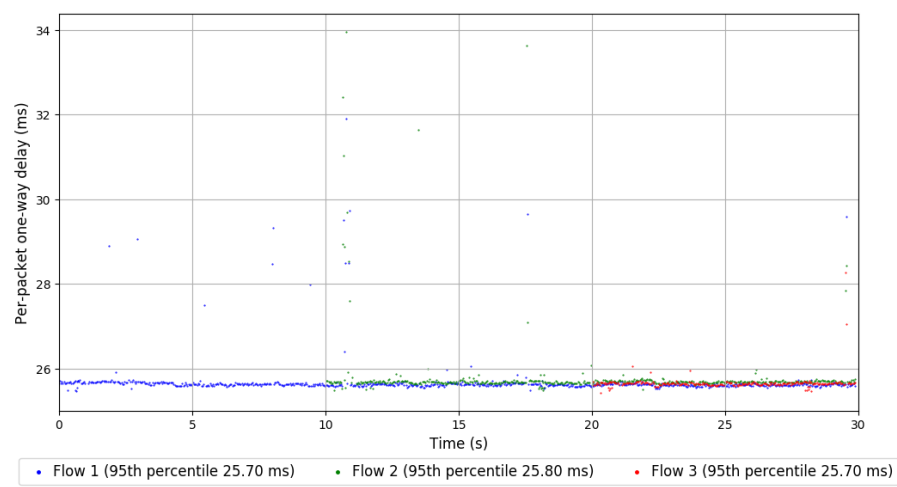
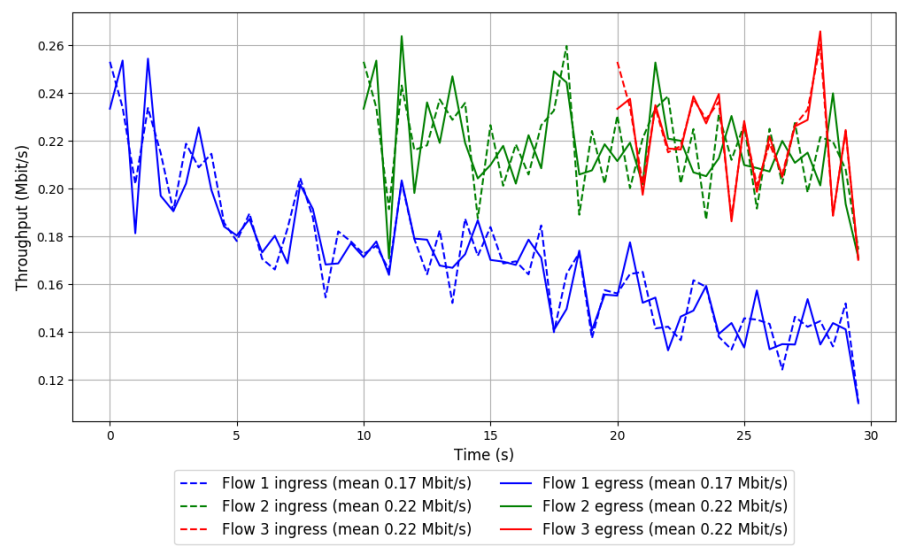


Run 7: Statistics of SReAM

Start at: 2018-02-04 20:27:20
End at: 2018-02-04 20:27:50
Local clock offset: 0.479 ms
Remote clock offset: -5.849 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 25.736 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 25.704 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.800 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 25.695 ms
Loss rate: 0.35%

Run 7: Report of SReAM — Data Link

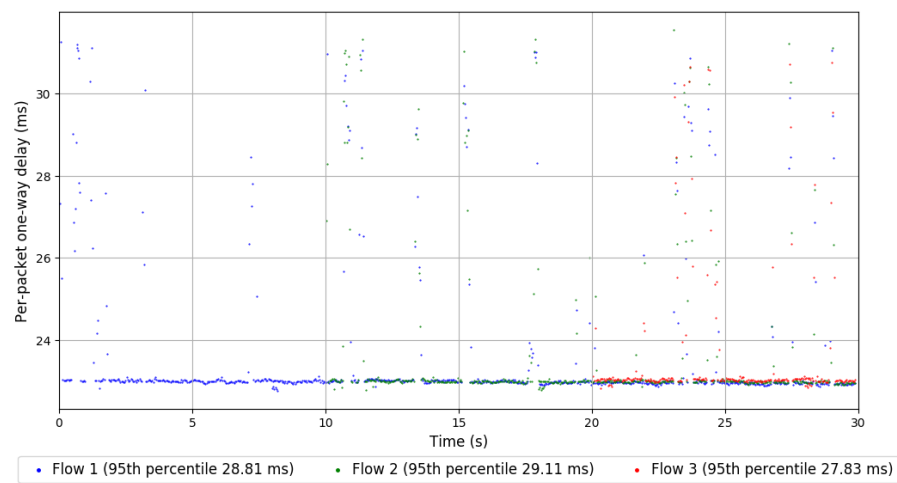
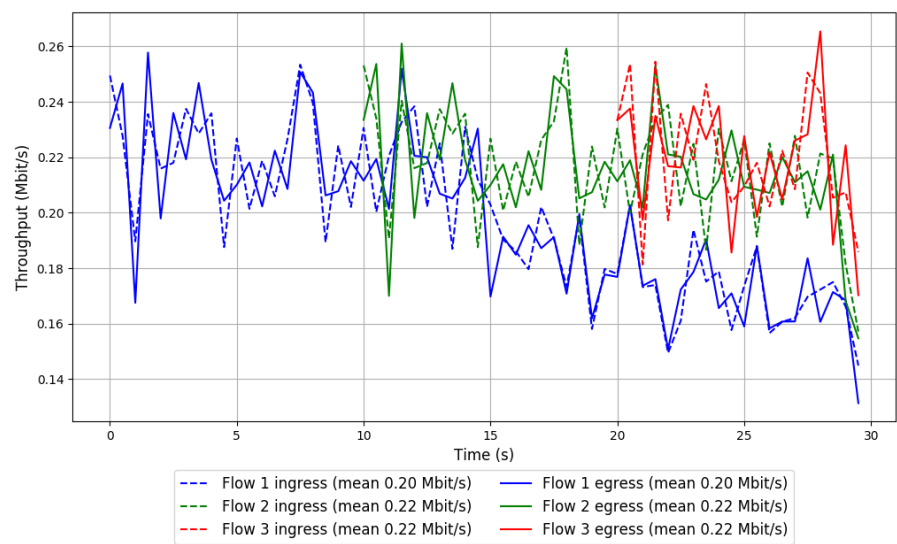


Run 8: Statistics of SReAM

Start at: 2018-02-04 20:52:47
End at: 2018-02-04 20:53:17
Local clock offset: 0.132 ms
Remote clock offset: -3.084 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 28.890 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 28.813 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.109 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.829 ms
Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

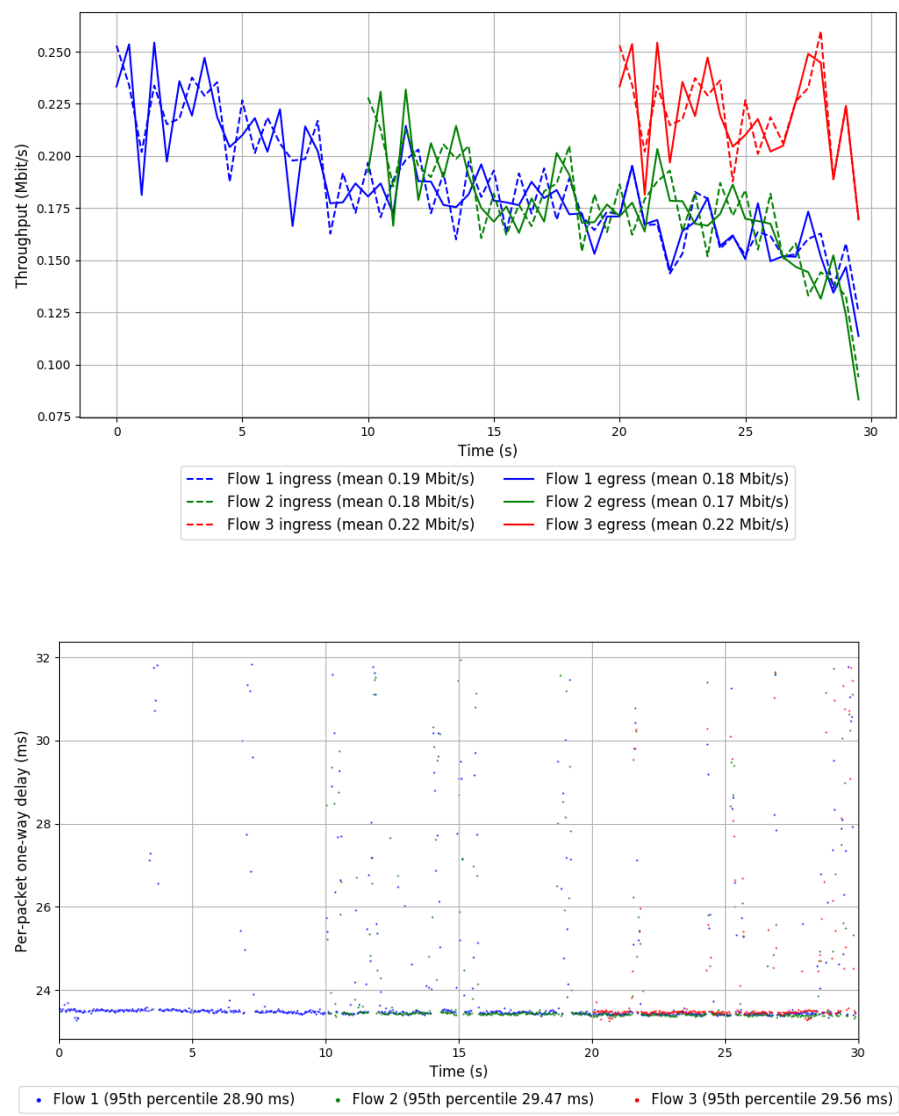


Run 9: Statistics of SReAM

Start at: 2018-02-04 21:18:33
End at: 2018-02-04 21:19:03
Local clock offset: 0.361 ms
Remote clock offset: -4.521 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 29.268 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 28.897 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 29.474 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.556 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

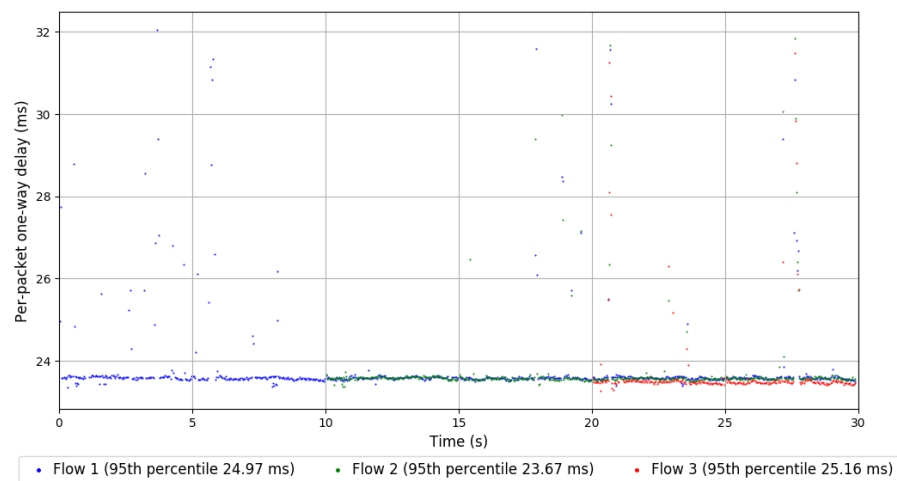
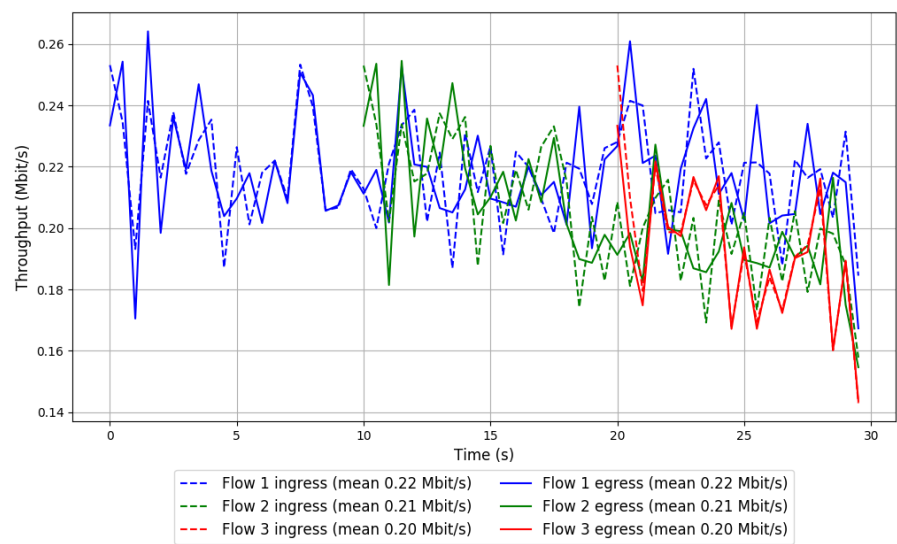


Run 10: Statistics of SReAM

Start at: 2018-02-04 21:43:54
End at: 2018-02-04 21:44:24
Local clock offset: 0.172 ms
Remote clock offset: -5.832 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 24.198 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.966 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 23.666 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 25.162 ms
Loss rate: 0.87%

Run 10: Report of SReAM — Data Link

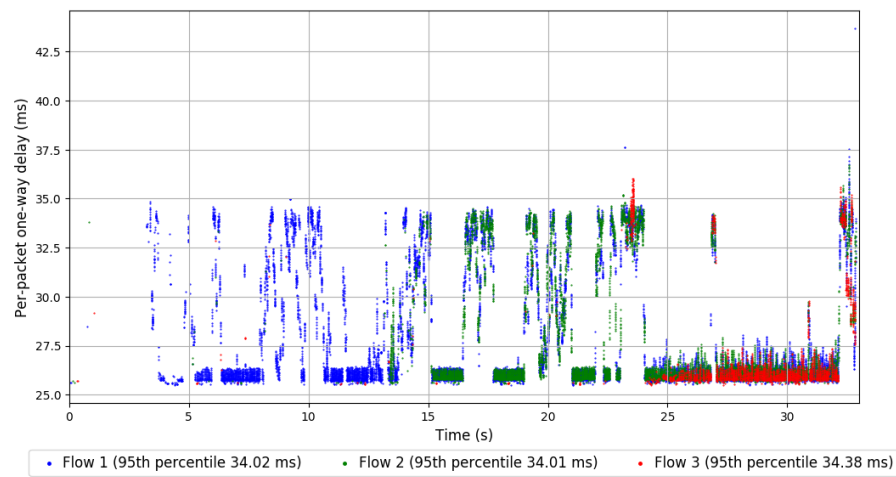
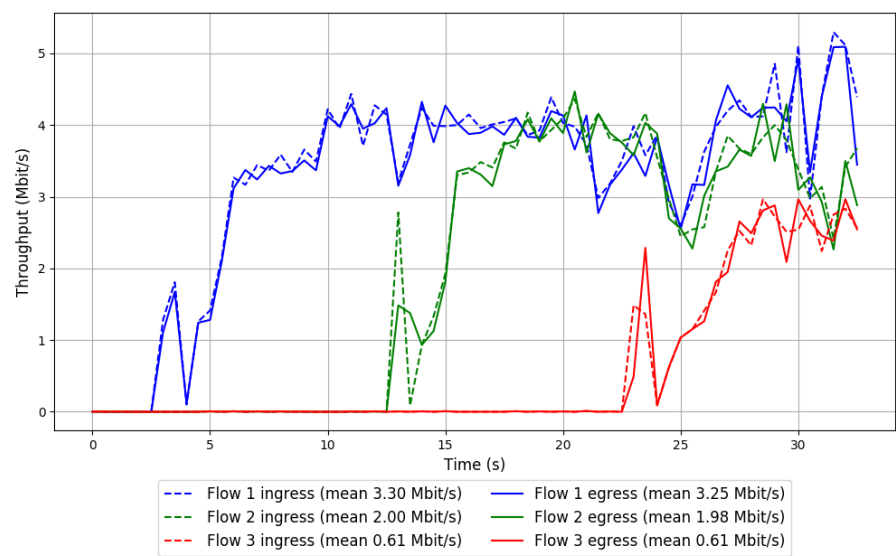


Run 1: Statistics of WebRTC media

Start at: 2018-02-04 17:48:38
End at: 2018-02-04 17:49:08
Local clock offset: 0.396 ms
Remote clock offset: -6.148 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 34.029 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 34.016 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 34.007 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 34.382 ms
Loss rate: 0.81%

Run 1: Report of WebRTC media — Data Link

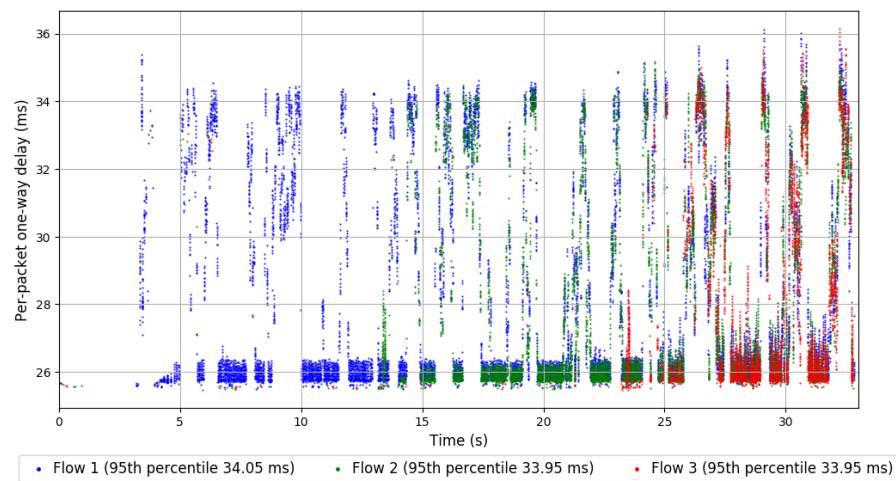
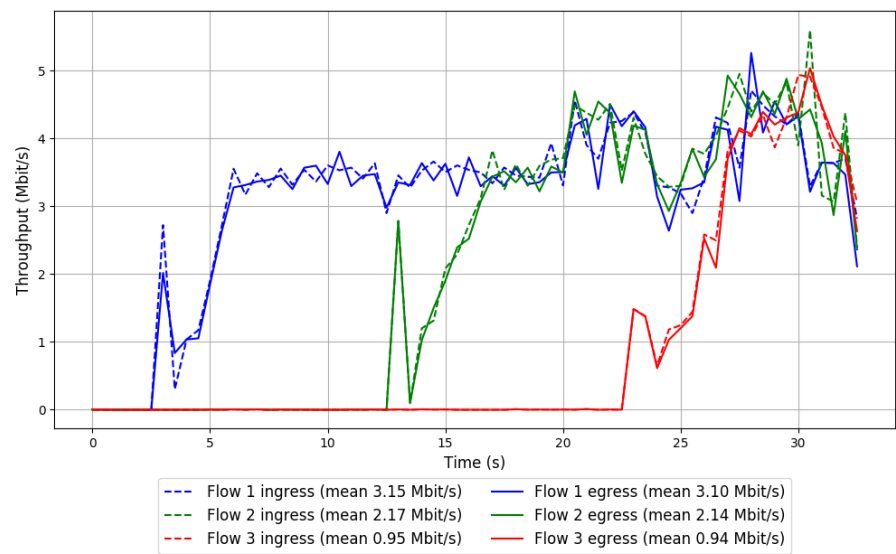


Run 2: Statistics of WebRTC media

Start at: 2018-02-04 18:16:02
End at: 2018-02-04 18:16:32
Local clock offset: 0.412 ms
Remote clock offset: -6.563 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 34.006 ms
Loss rate: 1.84%
-- Flow 1:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 34.045 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 33.951 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 33.952 ms
Loss rate: 1.77%

Run 2: Report of WebRTC media — Data Link

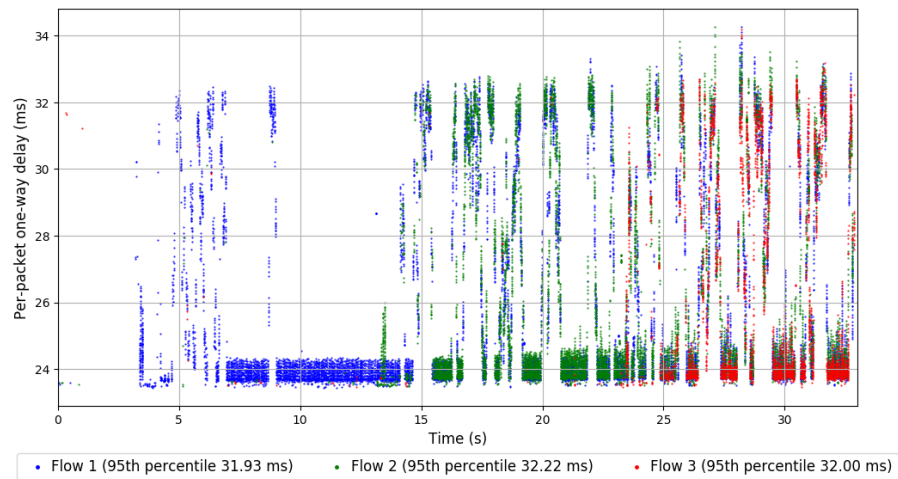
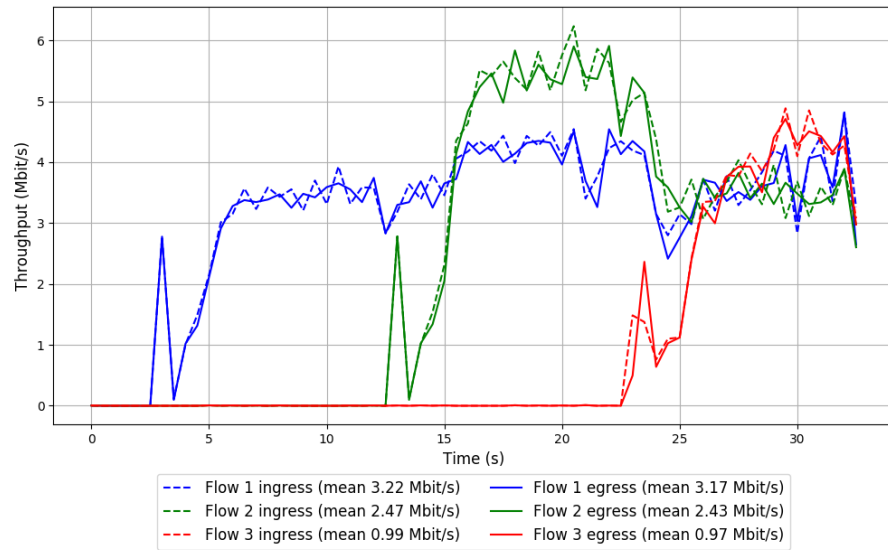


Run 3: Statistics of WebRTC media

Start at: 2018-02-04 18:43:24
End at: 2018-02-04 18:43:54
Local clock offset: 0.291 ms
Remote clock offset: -3.915 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 32.071 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 31.934 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 32.215 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 31.996 ms
Loss rate: 1.62%

Run 3: Report of WebRTC media — Data Link

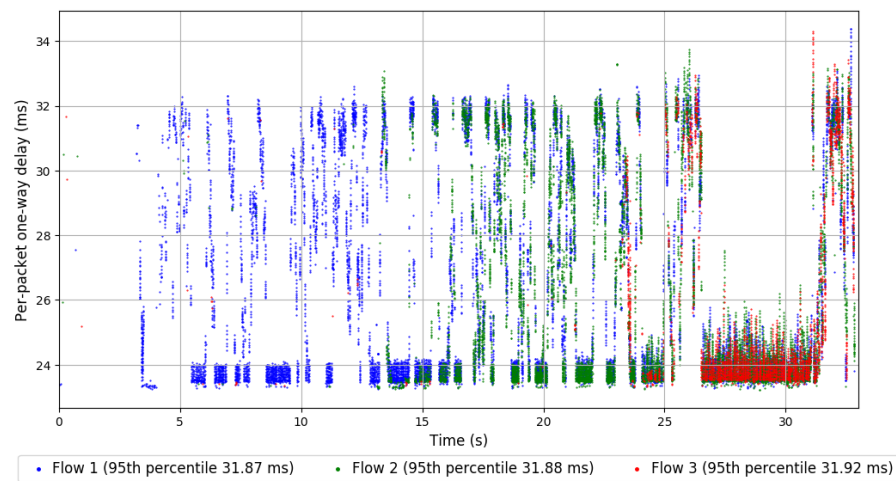
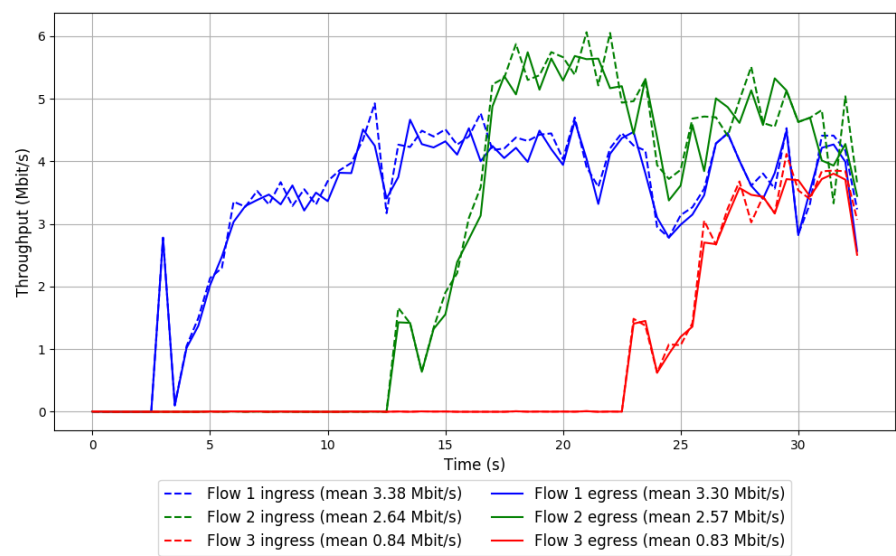


Run 4: Statistics of WebRTC media

Start at: 2018-02-04 19:11:49
End at: 2018-02-04 19:12:19
Local clock offset: 0.161 ms
Remote clock offset: -3.079 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 31.880 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 3.30 Mbit/s
95th percentile per-packet one-way delay: 31.866 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 31.884 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 31.923 ms
Loss rate: 2.29%

Run 4: Report of WebRTC media — Data Link

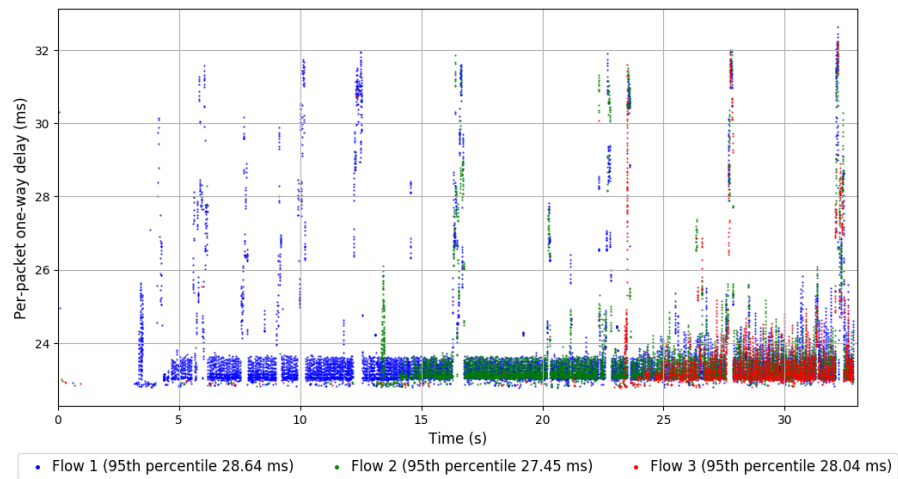
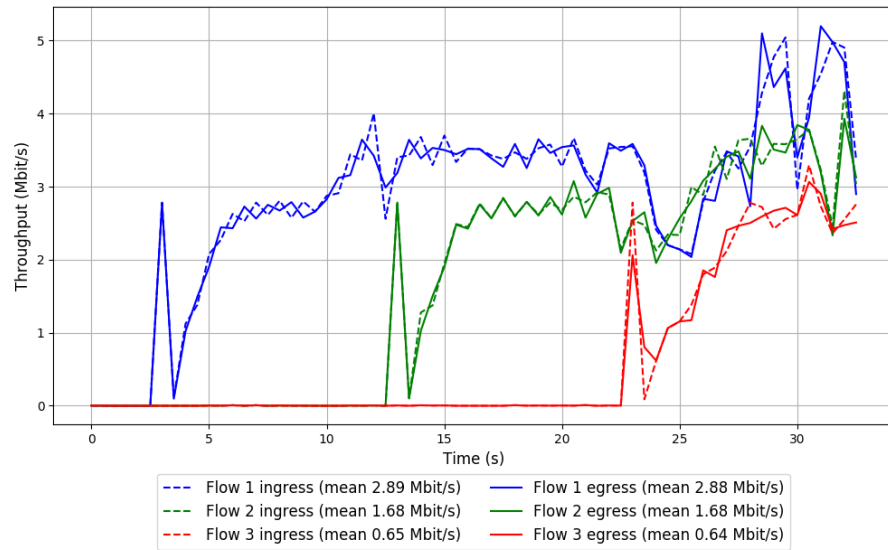


Run 5: Statistics of WebRTC media

Start at: 2018-02-04 19:38:14
End at: 2018-02-04 19:38:44
Local clock offset: 0.48 ms
Remote clock offset: -3.227 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 28.175 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 28.642 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 27.455 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 28.036 ms
Loss rate: 0.77%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-04 20:03:38

End at: 2018-02-04 20:04:08

Local clock offset: 0.563 ms

Remote clock offset: -3.56 ms

Below is generated by plot.py at 2018-02-05 02:17:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 24.661 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 24.585 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 24.547 ms

Loss rate: 0.48%

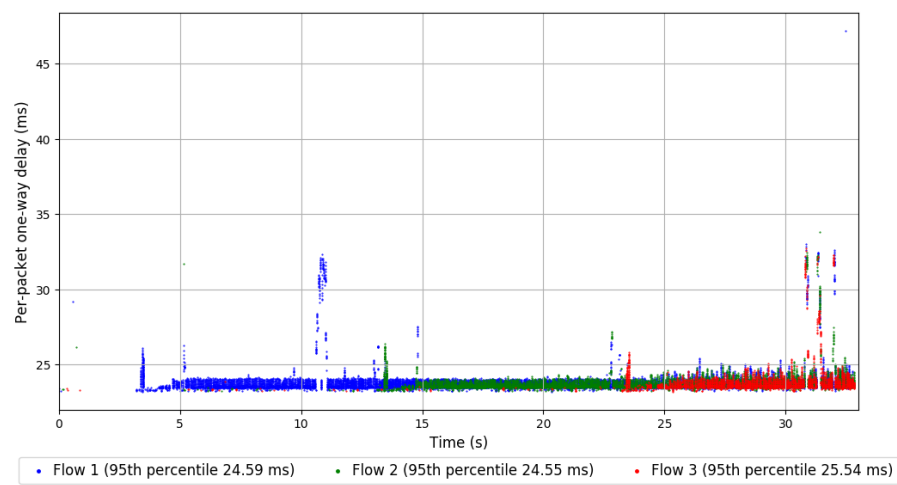
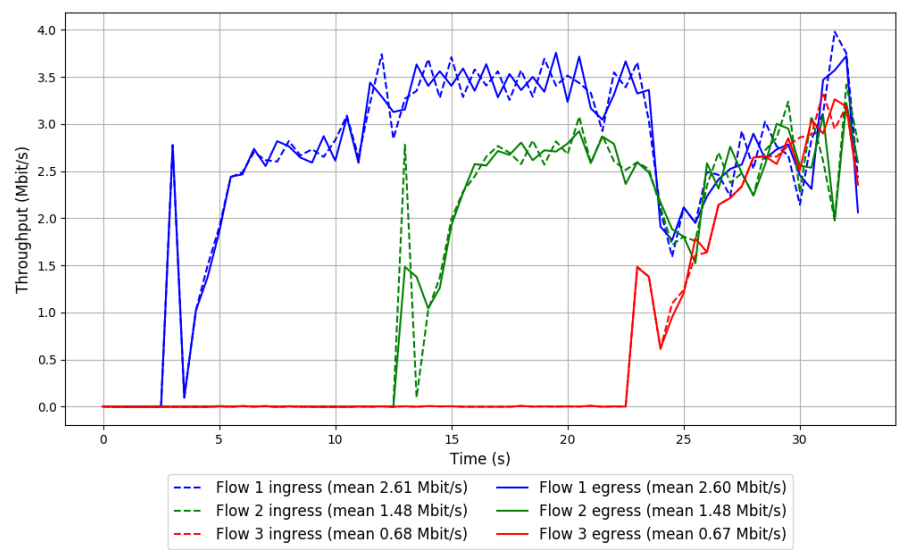
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 25.544 ms

Loss rate: 0.72%

Run 6: Report of WebRTC media — Data Link

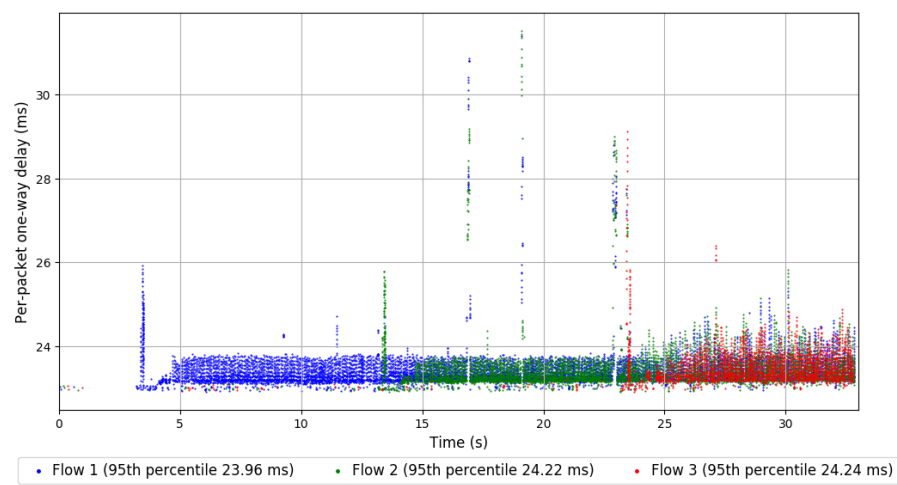
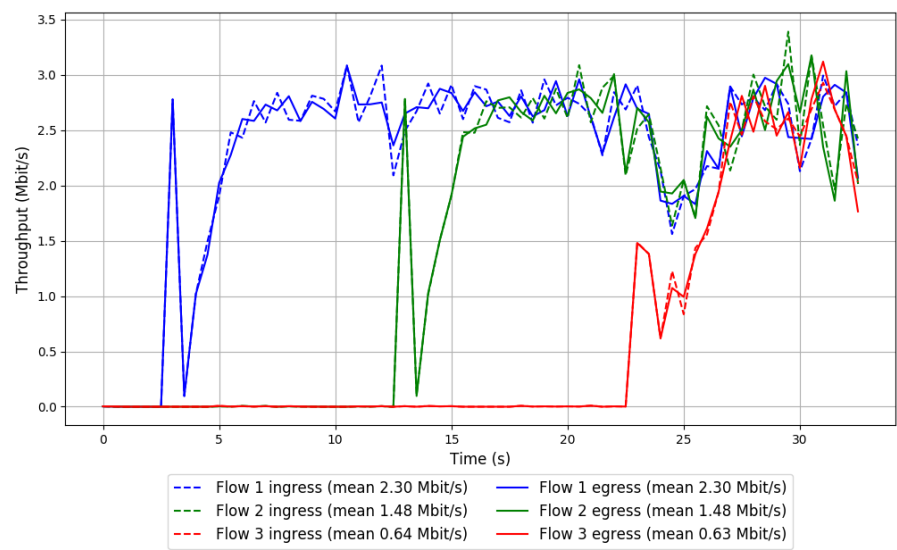


Run 7: Statistics of WebRTC media

Start at: 2018-02-04 20:28:37
End at: 2018-02-04 20:29:07
Local clock offset: 0.553 ms
Remote clock offset: -3.262 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 24.132 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 23.960 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 24.221 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 24.241 ms
Loss rate: 0.64%

Run 7: Report of WebRTC media — Data Link

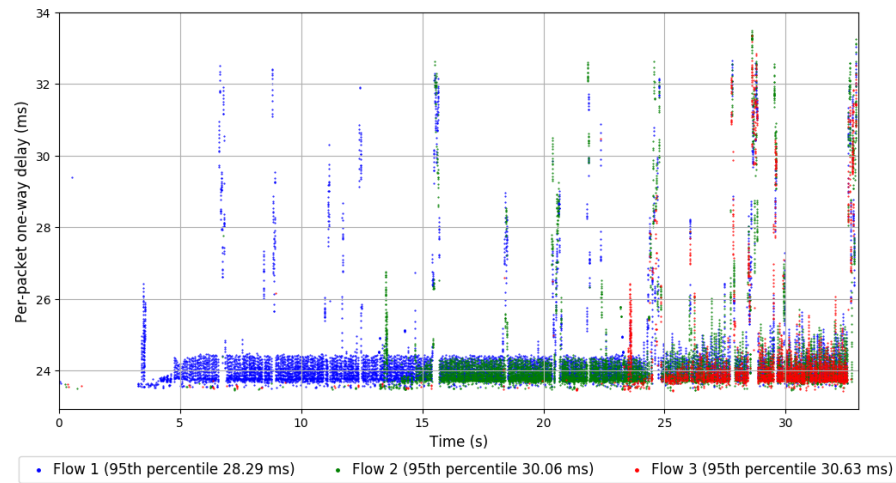
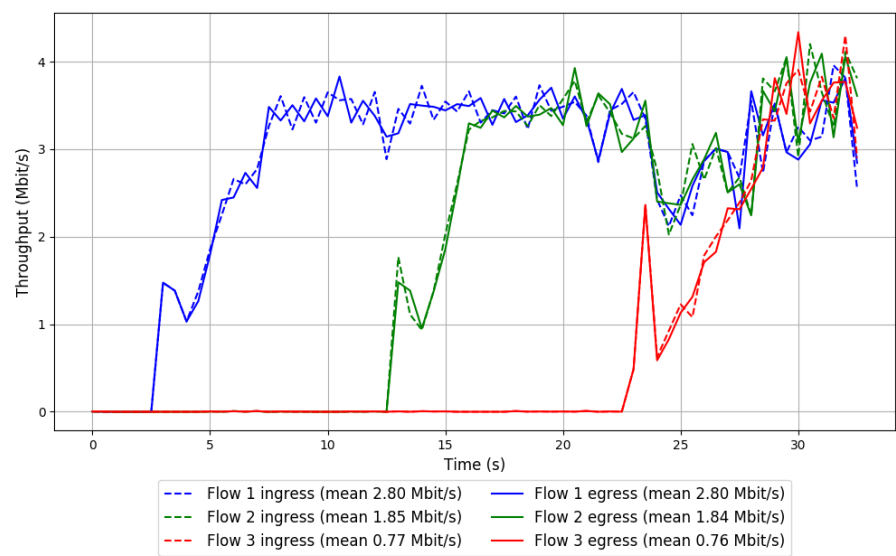


Run 8: Statistics of WebRTC media

Start at: 2018-02-04 20:54:05
End at: 2018-02-04 20:54:35
Local clock offset: 0.238 ms
Remote clock offset: -3.712 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 29.531 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 28.290 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 30.060 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 30.632 ms
Loss rate: 0.93%

Run 8: Report of WebRTC media — Data Link

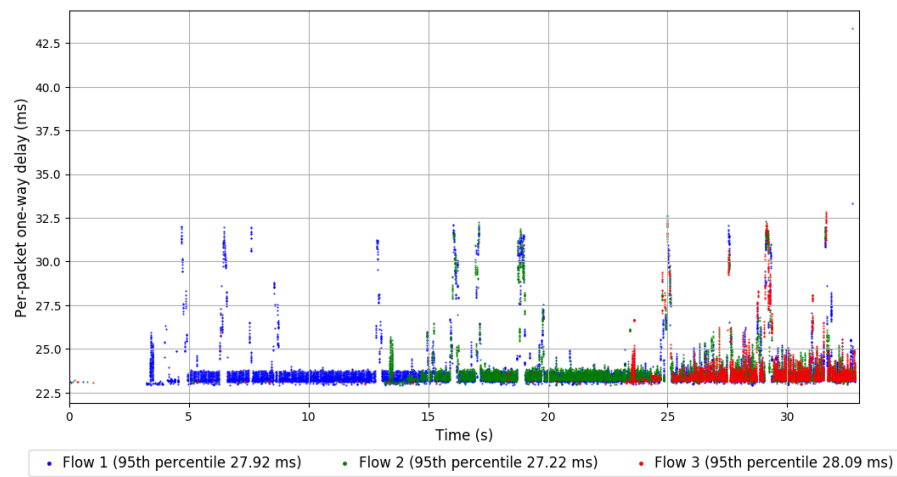
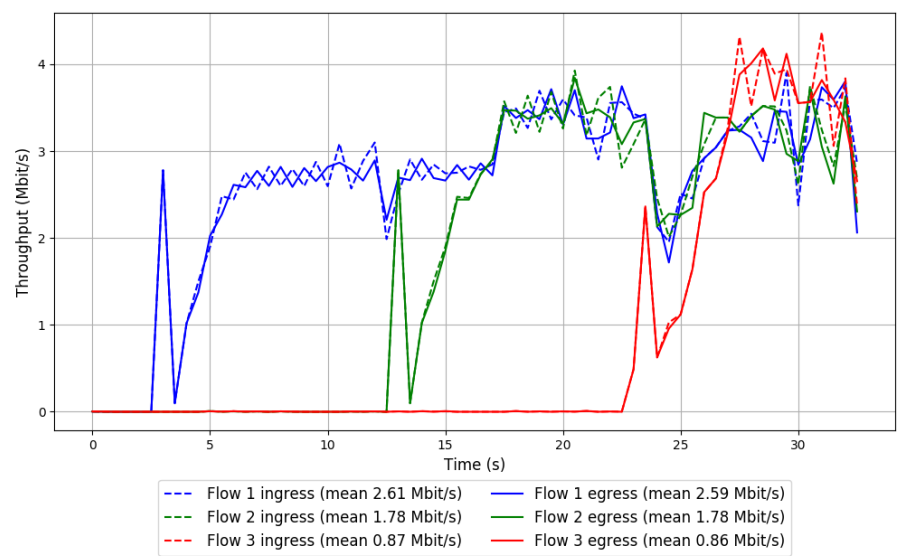


Run 9: Statistics of WebRTC media

Start at: 2018-02-04 21:19:50
End at: 2018-02-04 21:20:20
Local clock offset: 0.424 ms
Remote clock offset: -4.19 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 27.915 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 27.916 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 27.222 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 28.089 ms
Loss rate: 0.80%

Run 9: Report of WebRTC media — Data Link

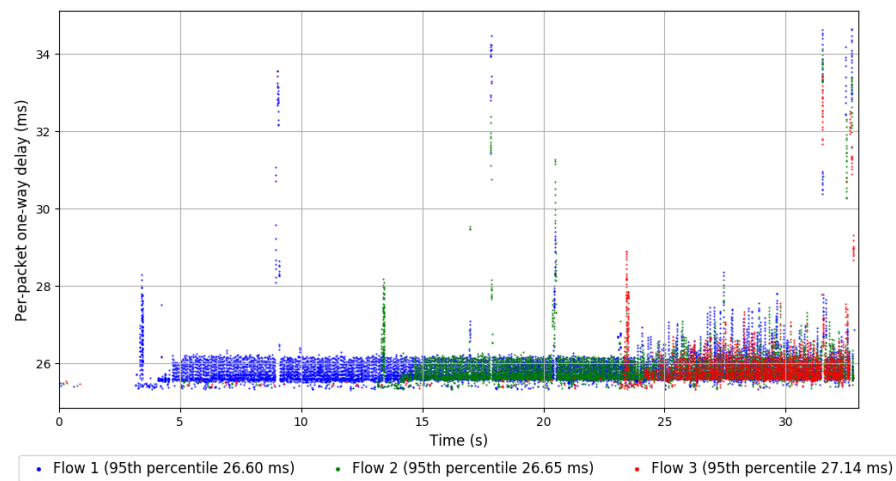
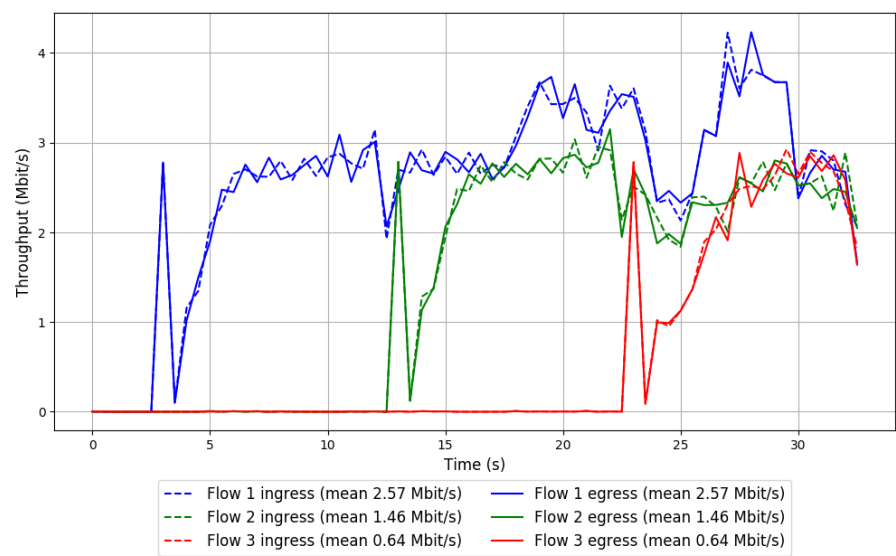


Run 10: Statistics of WebRTC media

Start at: 2018-02-04 21:45:12
End at: 2018-02-04 21:45:42
Local clock offset: 0.157 ms
Remote clock offset: -7.926 ms

Below is generated by plot.py at 2018-02-05 02:17:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 26.684 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 26.603 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 26.653 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 27.143 ms
Loss rate: 0.56%

Run 10: Report of WebRTC media — Data Link

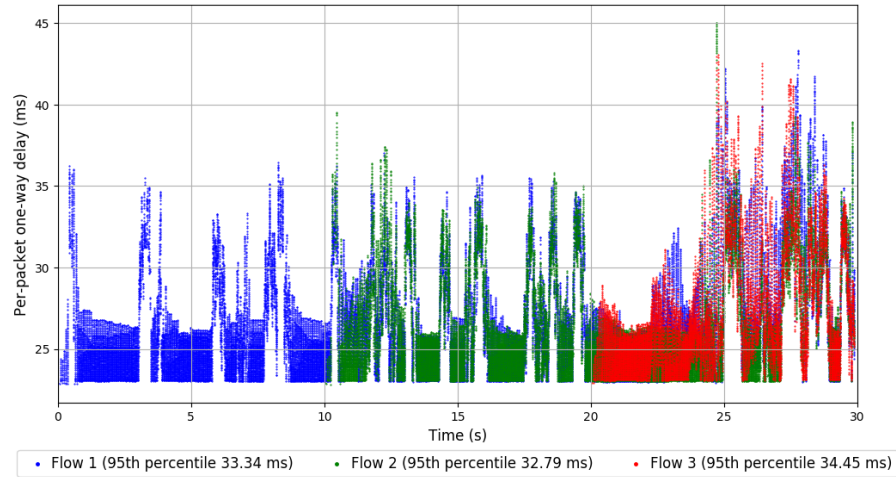
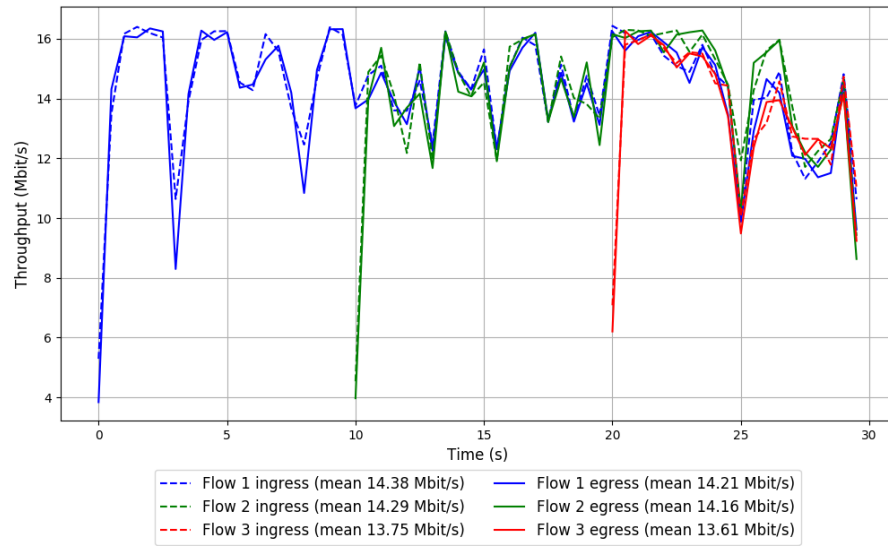


Run 1: Statistics of Sprout

Start at: 2018-02-04 17:29:23
End at: 2018-02-04 17:29:53
Local clock offset: 0.09 ms
Remote clock offset: -2.266 ms

Below is generated by plot.py at 2018-02-05 02:18:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.10 Mbit/s
95th percentile per-packet one-way delay: 33.310 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 33.343 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 32.786 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 13.61 Mbit/s
95th percentile per-packet one-way delay: 34.451 ms
Loss rate: 1.62%

Run 1: Report of Sprout — Data Link

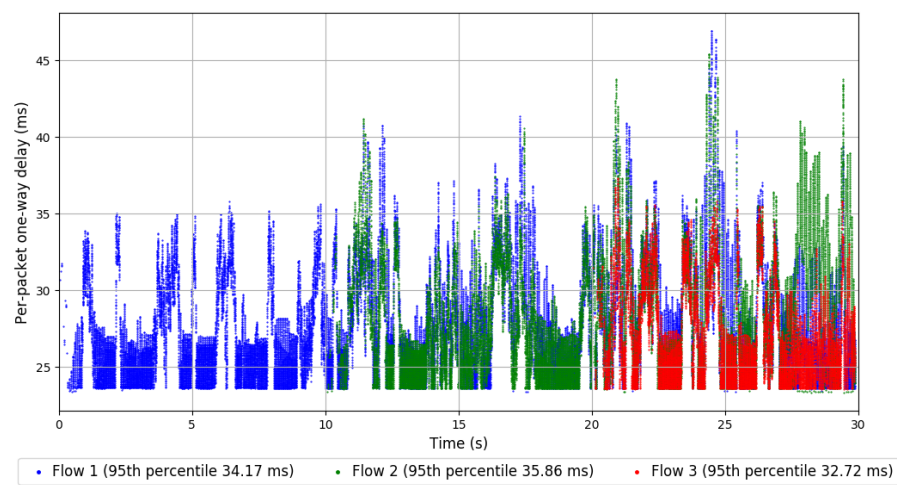
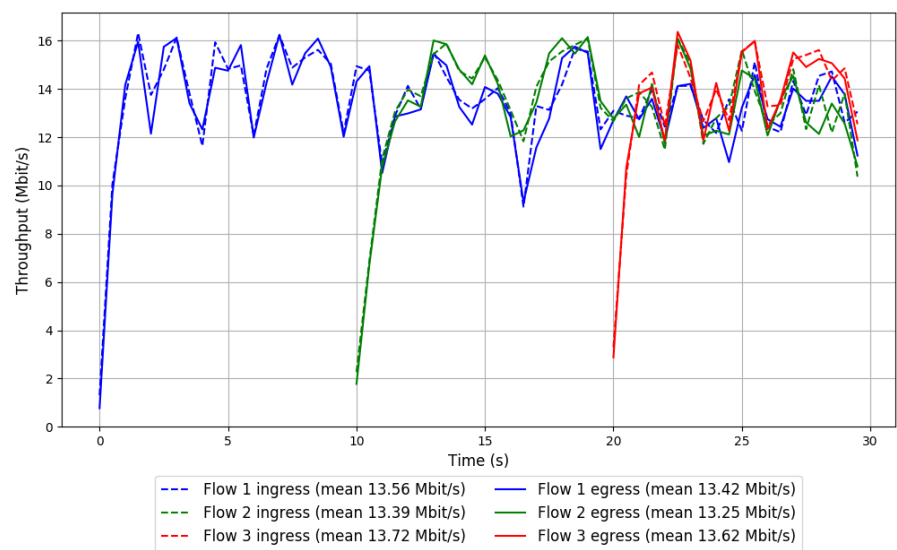


Run 2: Statistics of Sprout

Start at: 2018-02-04 17:56:12
End at: 2018-02-04 17:56:42
Local clock offset: 0.416 ms
Remote clock offset: -4.333 ms

Below is generated by plot.py at 2018-02-05 02:18:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 34.424 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 34.175 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 35.859 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 32.717 ms
Loss rate: 1.15%

Run 2: Report of Sprout — Data Link

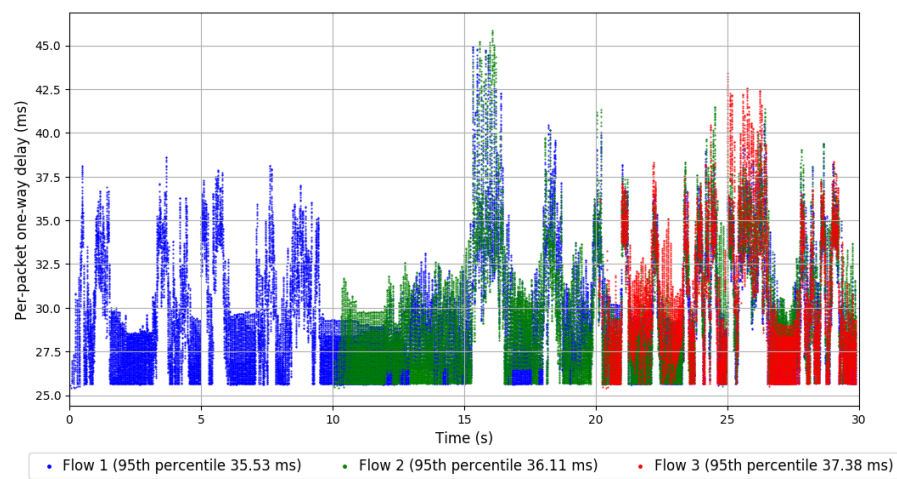
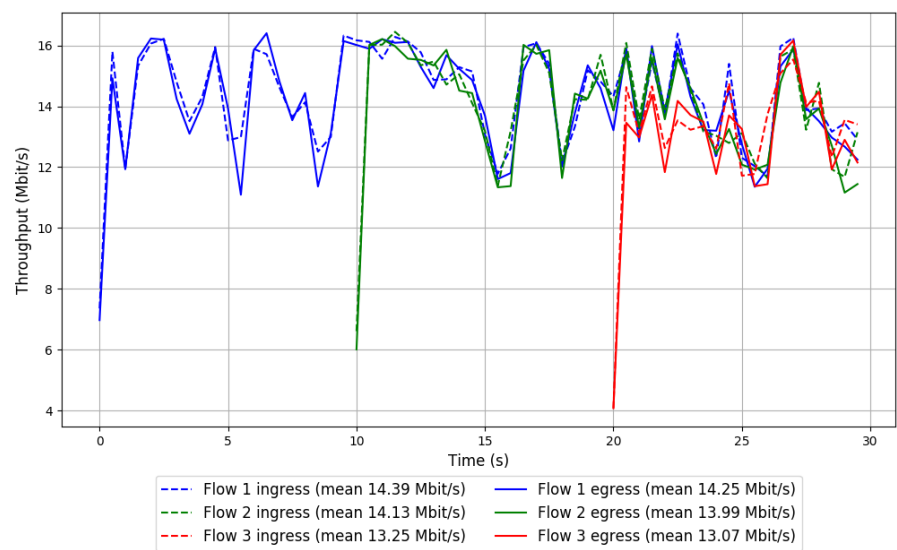


Run 3: Statistics of Sprout

Start at: 2018-02-04 18:23:26
End at: 2018-02-04 18:23:56
Local clock offset: 0.306 ms
Remote clock offset: -6.265 ms

```
# Below is generated by plot.py at 2018-02-05 02:18:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 36.031 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 35.533 ms
Loss rate: 1.12%
-- Flow 2:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: 36.114 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 37.382 ms
Loss rate: 1.95%
```


Run 3: Report of Sprout — Data Link

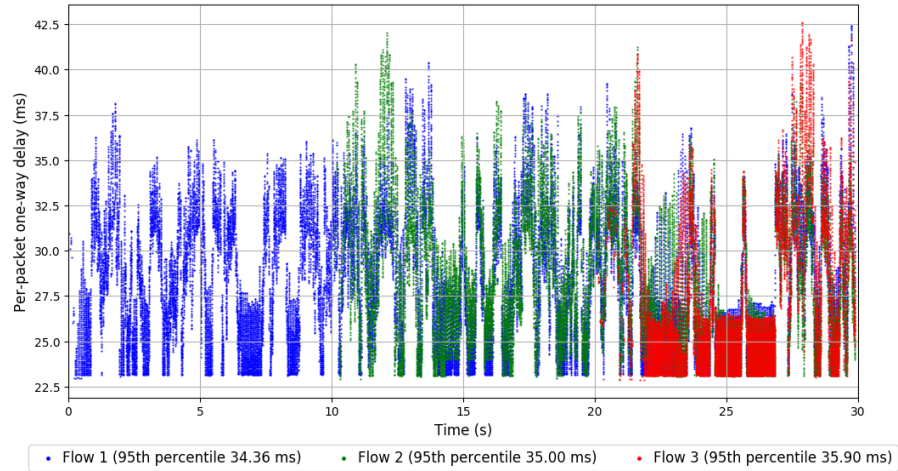
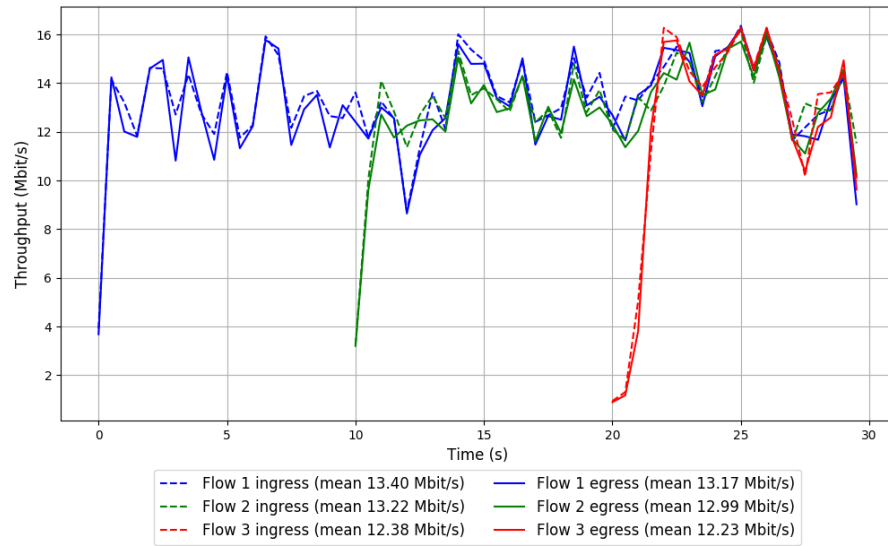


Run 4: Statistics of Sprout

Start at: 2018-02-04 18:51:21
End at: 2018-02-04 18:51:51
Local clock offset: 0.299 ms
Remote clock offset: -2.911 ms

```
# Below is generated by plot.py at 2018-02-05 02:18:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.83 Mbit/s
95th percentile per-packet one-way delay: 34.754 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 34.357 ms
Loss rate: 1.95%
-- Flow 2:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 35.000 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 35.896 ms
Loss rate: 1.73%
```

Run 4: Report of Sprout — Data Link

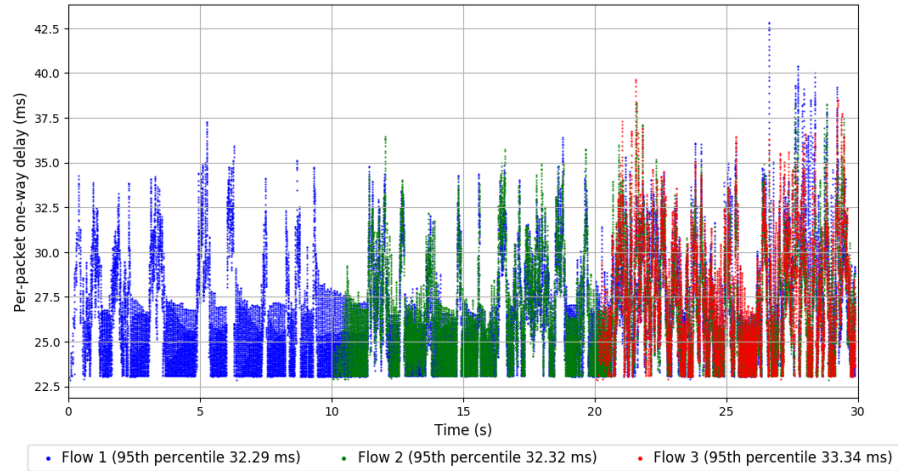
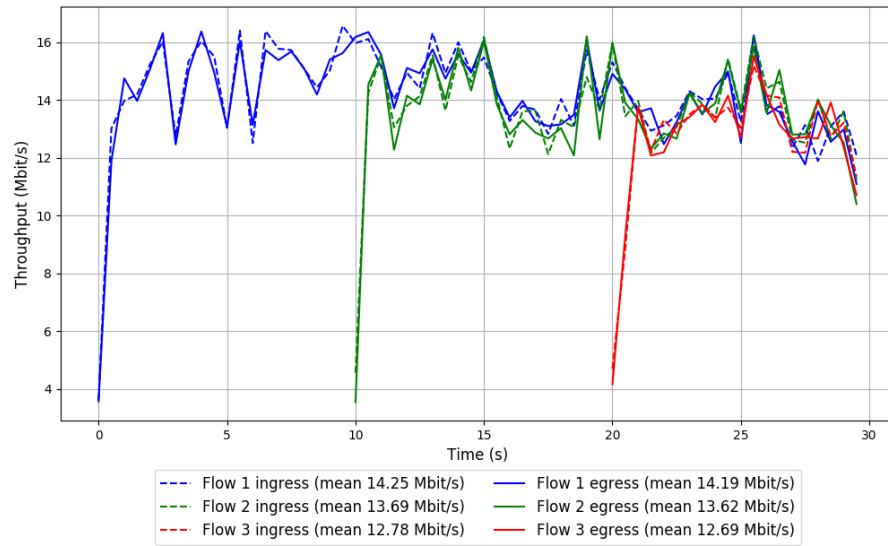


Run 5: Statistics of Sprout

Start at: 2018-02-04 19:19:49
End at: 2018-02-04 19:20:19
Local clock offset: 0.311 ms
Remote clock offset: -2.703 ms

Below is generated by plot.py at 2018-02-05 02:18:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.42 Mbit/s
95th percentile per-packet one-way delay: 32.496 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 32.293 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 32.316 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 33.335 ms
Loss rate: 1.00%

Run 5: Report of Sprout — Data Link

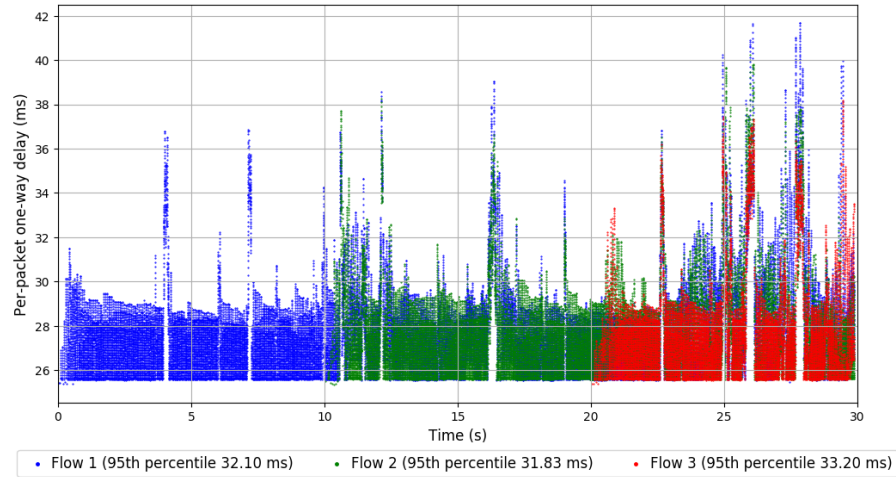
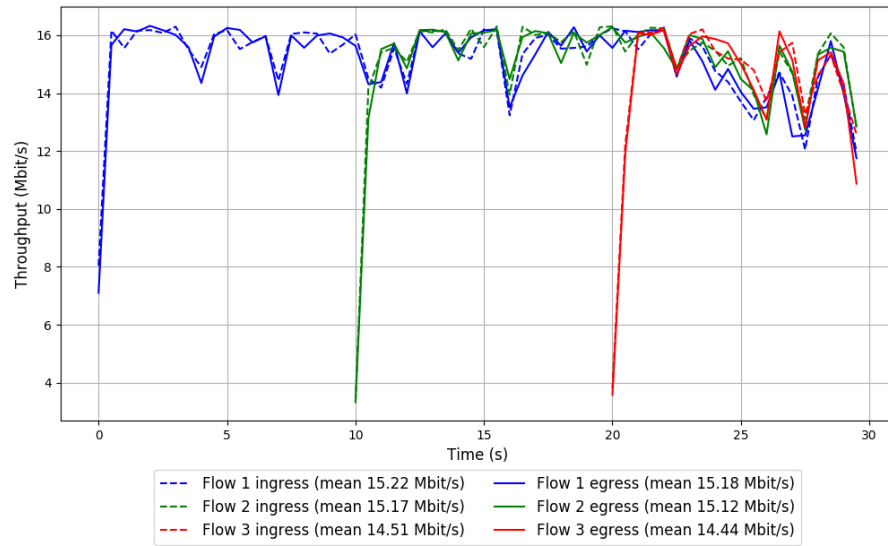


Run 6: Statistics of Sprout

Start at: 2018-02-04 19:45:20
End at: 2018-02-04 19:45:50
Local clock offset: 0.449 ms
Remote clock offset: -6.006 ms

Below is generated by plot.py at 2018-02-05 02:18:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 32.223 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 32.102 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 15.12 Mbit/s
95th percentile per-packet one-way delay: 31.826 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 14.44 Mbit/s
95th percentile per-packet one-way delay: 33.205 ms
Loss rate: 1.10%

Run 6: Report of Sprout — Data Link

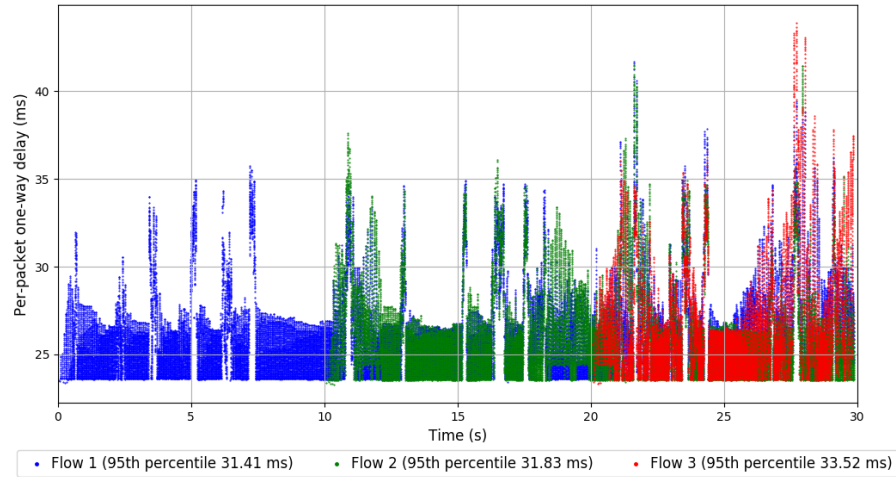
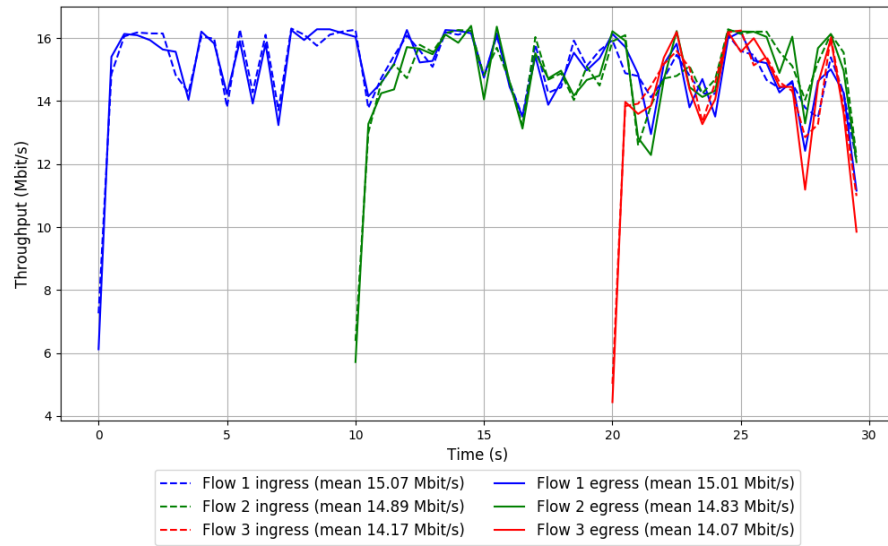


Run 7: Statistics of Sprout

Start at: 2018-02-04 20:10:41
End at: 2018-02-04 20:11:11
Local clock offset: 0.525 ms
Remote clock offset: -3.745 ms

Below is generated by plot.py at 2018-02-05 02:18:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 31.946 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 15.01 Mbit/s
95th percentile per-packet one-way delay: 31.411 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 14.83 Mbit/s
95th percentile per-packet one-way delay: 31.826 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 14.07 Mbit/s
95th percentile per-packet one-way delay: 33.515 ms
Loss rate: 1.27%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-02-04 20:35:27

End at: 2018-02-04 20:35:57

Local clock offset: 0.467 ms

Remote clock offset: -3.02 ms

Below is generated by plot.py at 2018-02-05 02:18:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 31.639 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 14.92 Mbit/s

95th percentile per-packet one-way delay: 30.936 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 14.78 Mbit/s

95th percentile per-packet one-way delay: 32.283 ms

Loss rate: 0.43%

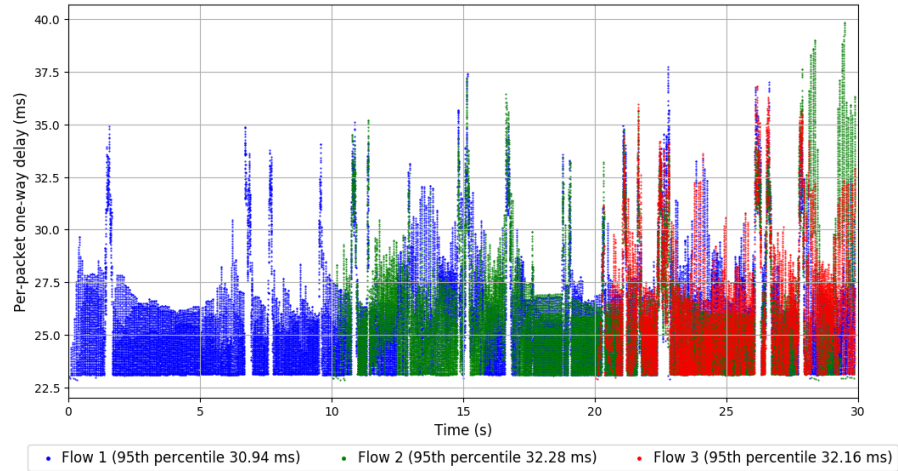
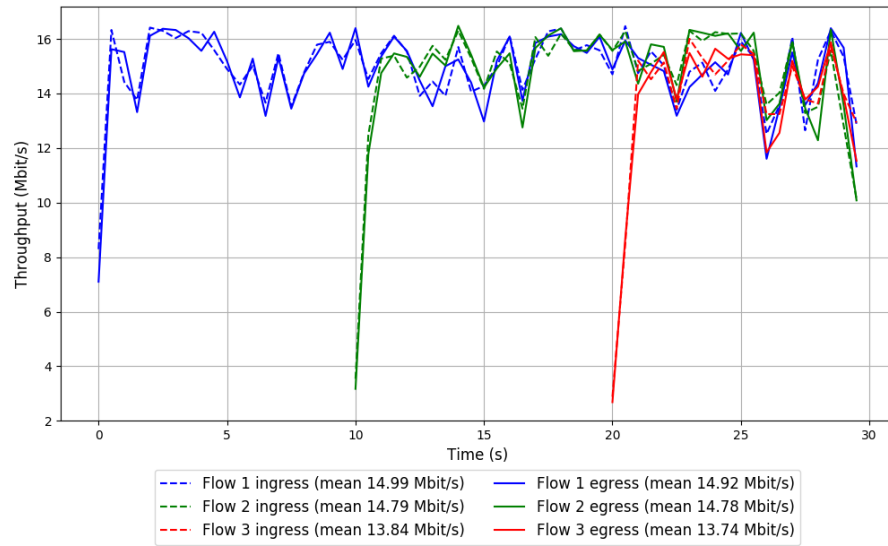
-- Flow 3:

Average throughput: 13.74 Mbit/s

95th percentile per-packet one-way delay: 32.162 ms

Loss rate: 1.27%

Run 8: Report of Sprout — Data Link

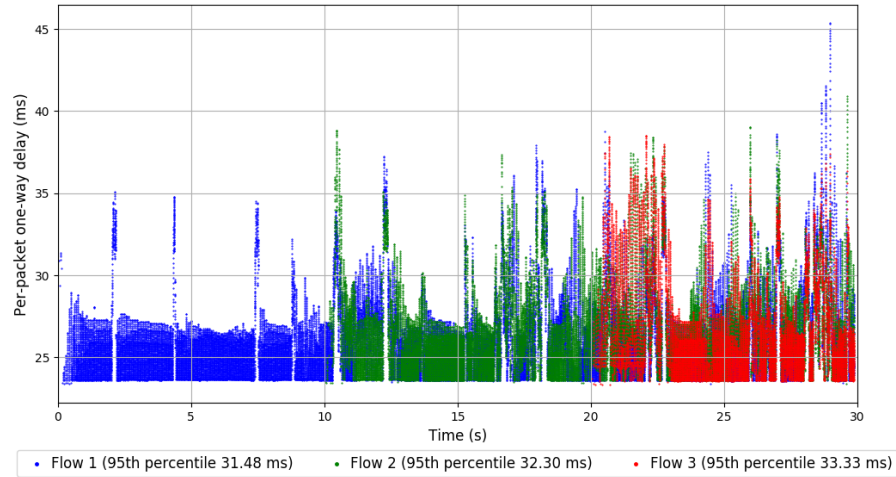
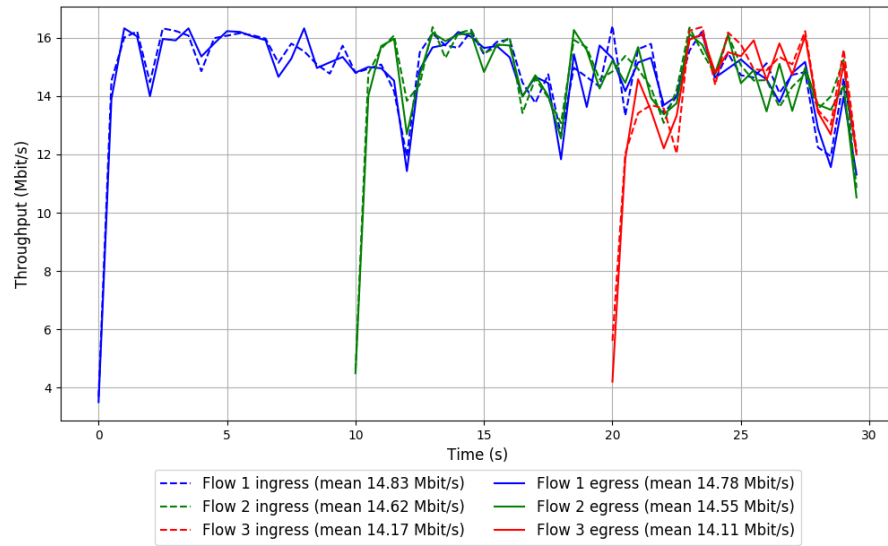


Run 9: Statistics of Sprout

Start at: 2018-02-04 21:00:58
End at: 2018-02-04 21:01:28
Local clock offset: 0.269 ms
Remote clock offset: -3.867 ms

Below is generated by plot.py at 2018-02-05 02:18:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 32.181 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 31.475 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 14.55 Mbit/s
95th percentile per-packet one-way delay: 32.302 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 33.329 ms
Loss rate: 0.82%

Run 9: Report of Sprout — Data Link

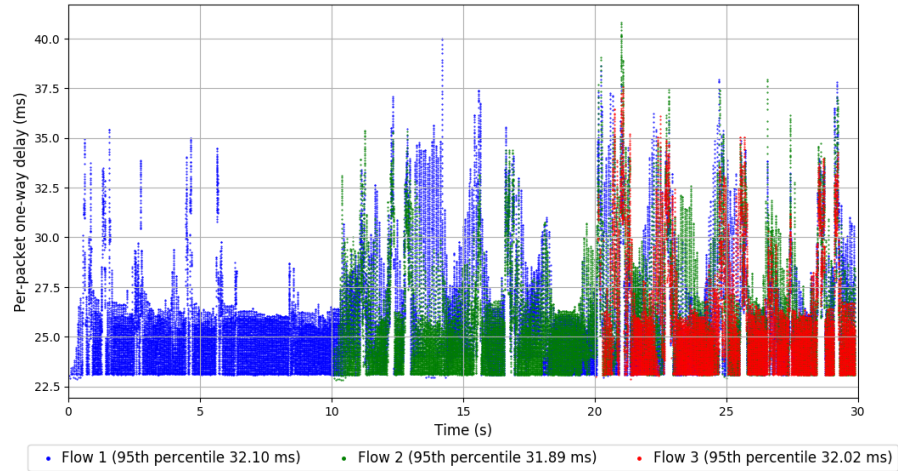
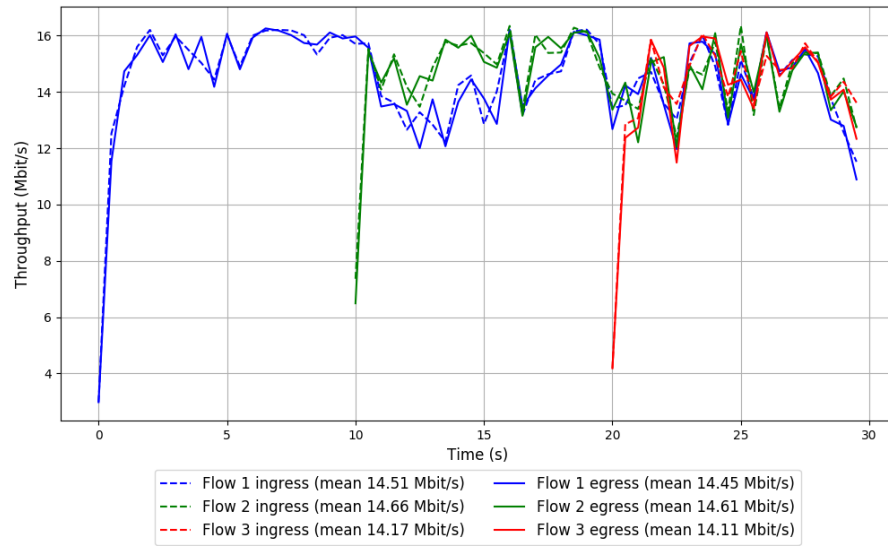


Run 10: Statistics of Sprout

Start at: 2018-02-04 21:26:55
End at: 2018-02-04 21:27:25
Local clock offset: 0.336 ms
Remote clock offset: -4.459 ms

Below is generated by plot.py at 2018-02-05 02:18:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 32.011 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 14.45 Mbit/s
95th percentile per-packet one-way delay: 32.102 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 14.61 Mbit/s
95th percentile per-packet one-way delay: 31.888 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 14.11 Mbit/s
95th percentile per-packet one-way delay: 32.019 ms
Loss rate: 0.97%

Run 10: Report of Sprout — Data Link

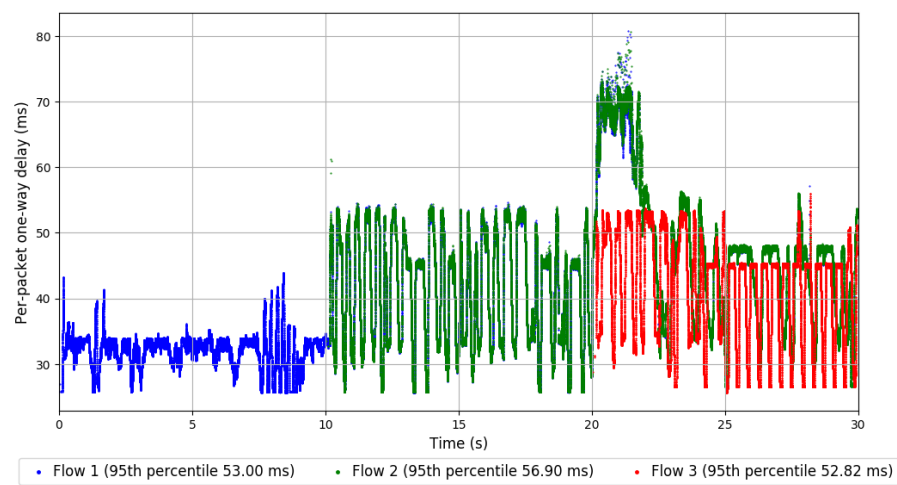
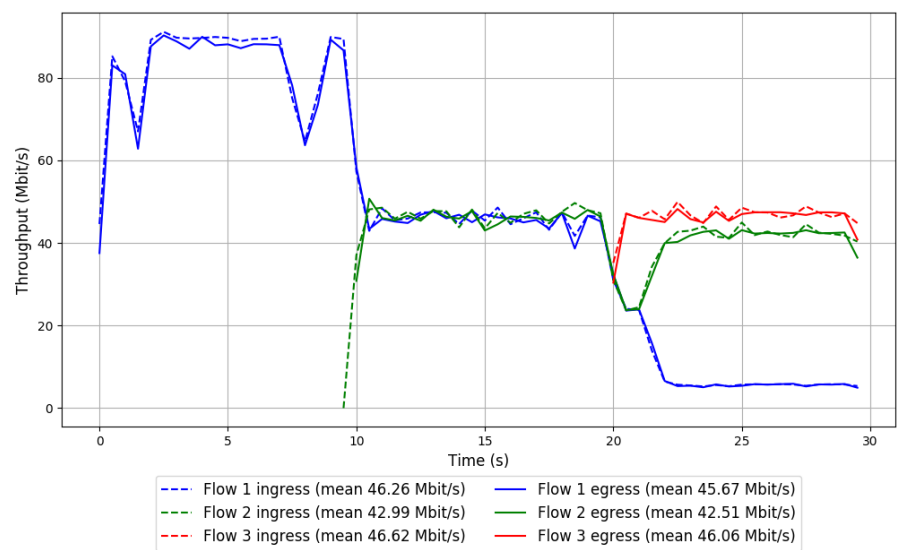


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-04 17:39:15
End at: 2018-02-04 17:39:45
Local clock offset: 0.325 ms
Remote clock offset: -5.486 ms

Below is generated by plot.py at 2018-02-05 02:20:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 53.283 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 52.997 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 56.903 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 52.816 ms
Loss rate: 1.76%

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

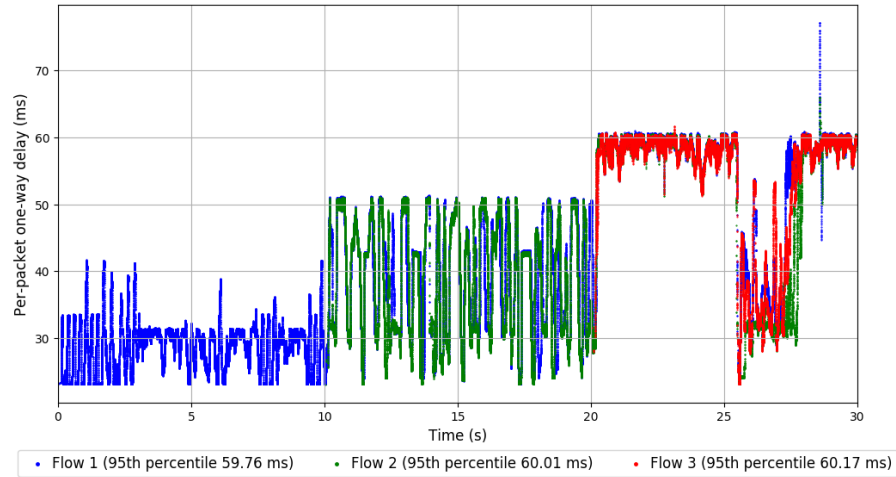
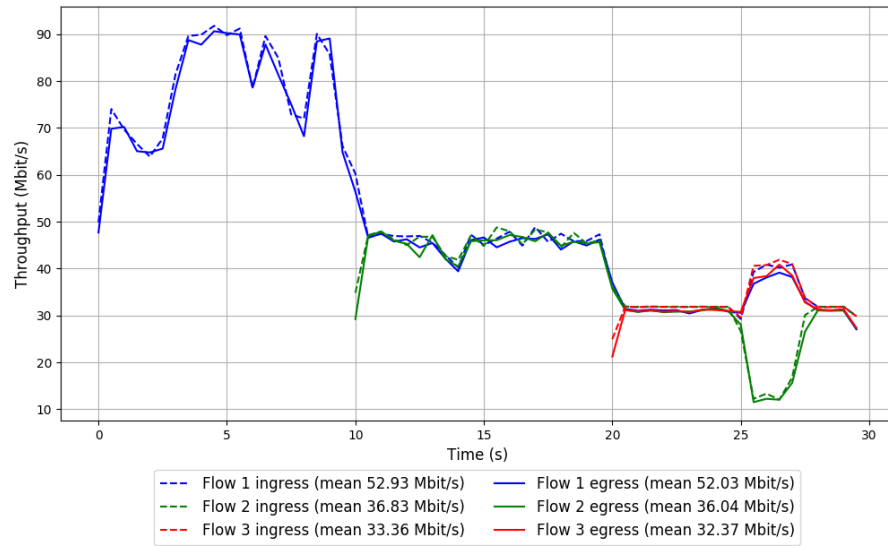


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-04 18:06:39
End at: 2018-02-04 18:07:09
Local clock offset: 0.47 ms
Remote clock offset: -4.329 ms

Below is generated by plot.py at 2018-02-05 02:20:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.72 Mbit/s
95th percentile per-packet one-way delay: 59.978 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 52.03 Mbit/s
95th percentile per-packet one-way delay: 59.755 ms
Loss rate: 1.92%
-- Flow 2:
Average throughput: 36.04 Mbit/s
95th percentile per-packet one-way delay: 60.006 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 60.170 ms
Loss rate: 3.57%

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

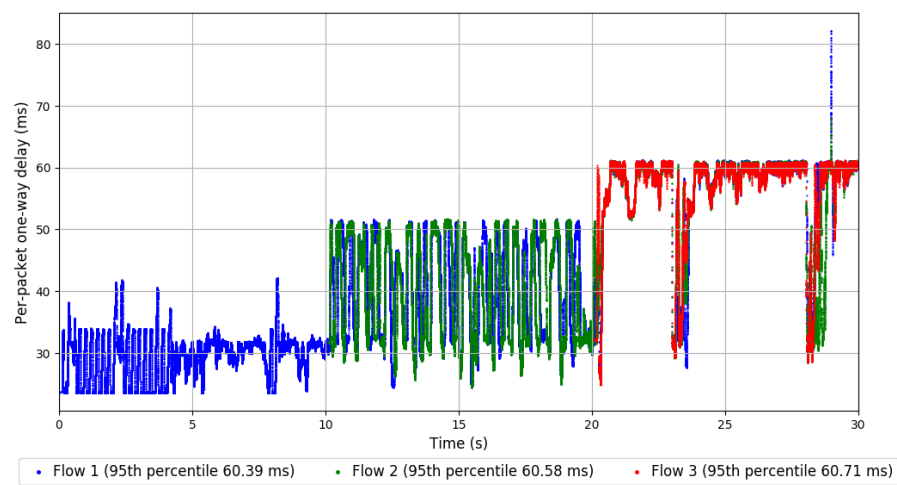
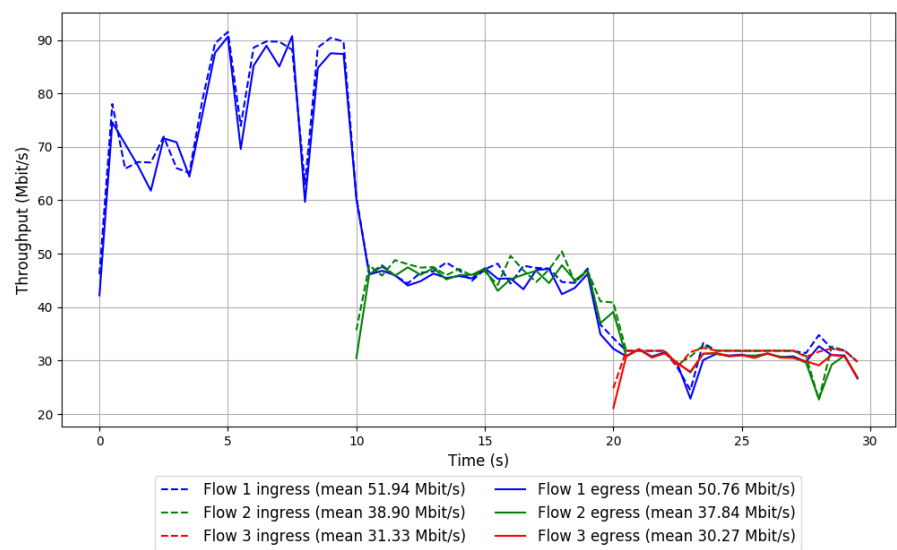


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-04 18:33:33
End at: 2018-02-04 18:34:03
Local clock offset: 0.306 ms
Remote clock offset: -4.172 ms

Below is generated by plot.py at 2018-02-05 02:20:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 60.545 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 60.392 ms
Loss rate: 2.46%
-- Flow 2:
Average throughput: 37.84 Mbit/s
95th percentile per-packet one-way delay: 60.577 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 60.706 ms
Loss rate: 4.11%

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

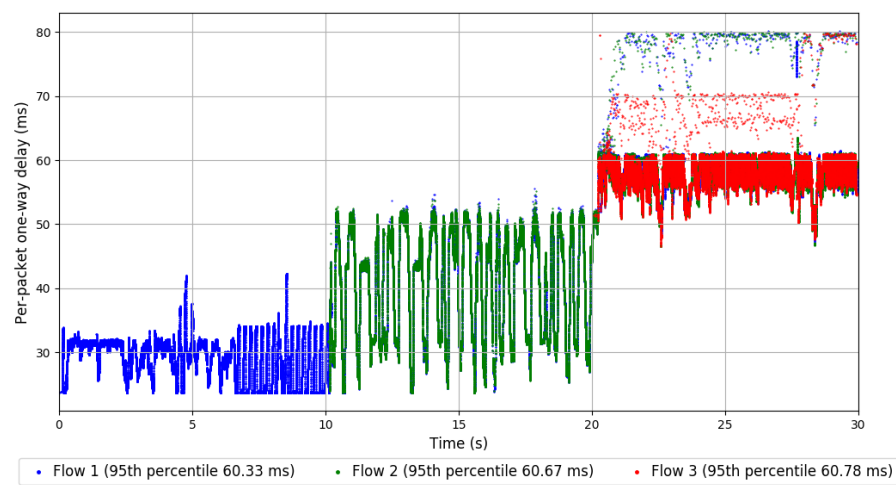
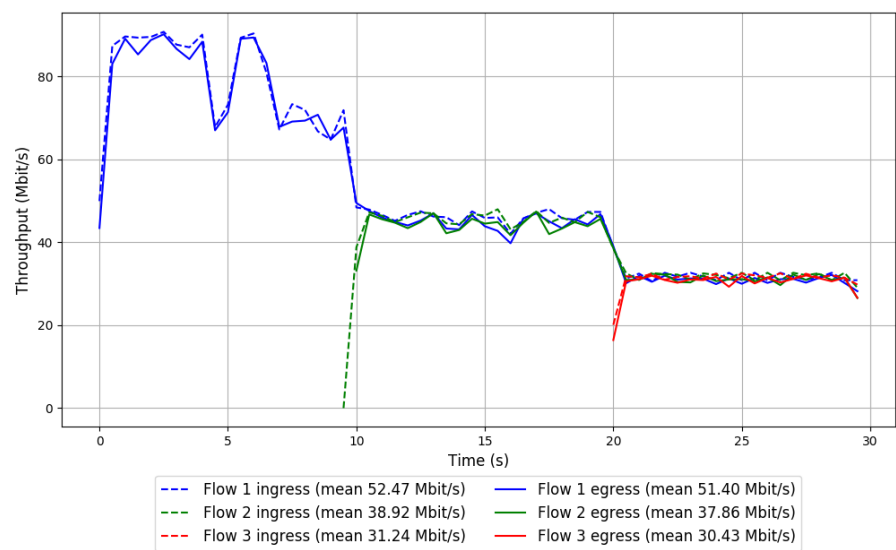


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-04 19:01:33
End at: 2018-02-04 19:02:03
Local clock offset: 0.313 ms
Remote clock offset: -3.177 ms

Below is generated by plot.py at 2018-02-05 02:20:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 60.594 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 51.40 Mbit/s
95th percentile per-packet one-way delay: 60.327 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 60.668 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 60.777 ms
Loss rate: 3.36%

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

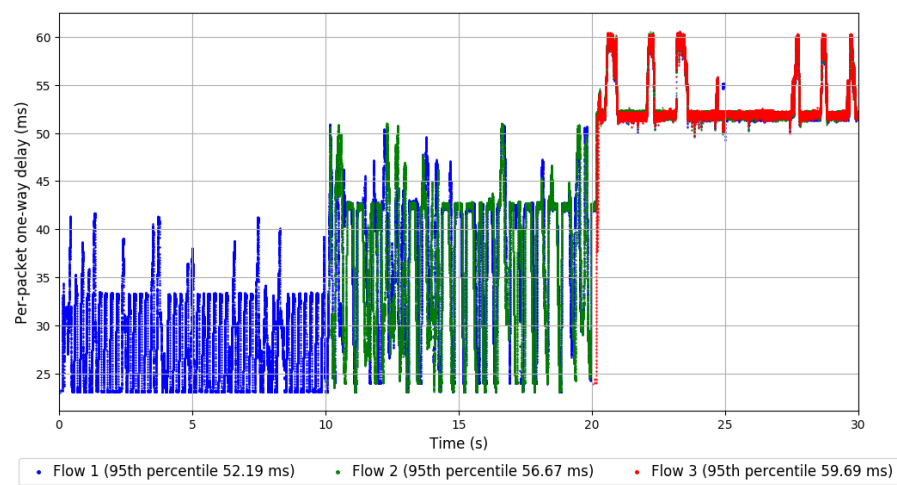
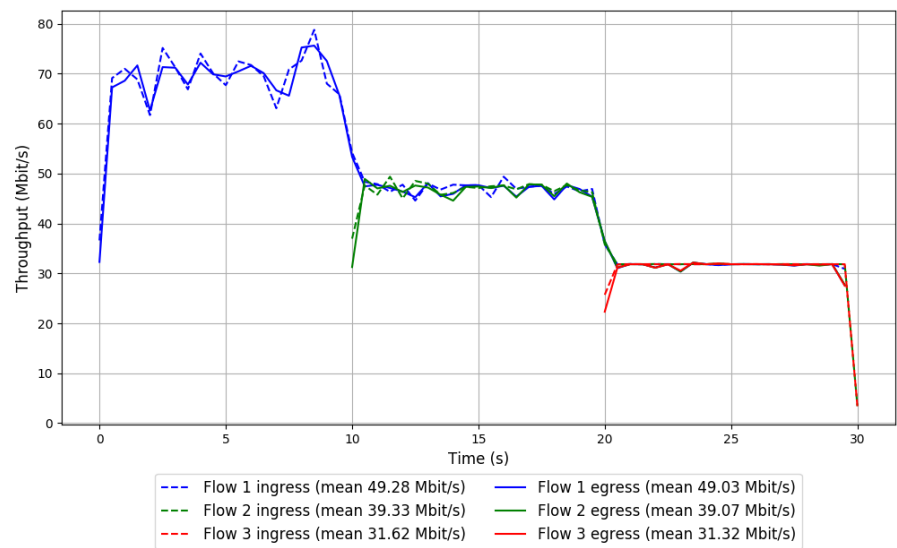


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-04 19:29:47
End at: 2018-02-04 19:30:17
Local clock offset: 0.392 ms
Remote clock offset: -3.128 ms

Below is generated by plot.py at 2018-02-05 02:20:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: 56.099 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 52.185 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 56.671 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 59.687 ms
Loss rate: 2.19%

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

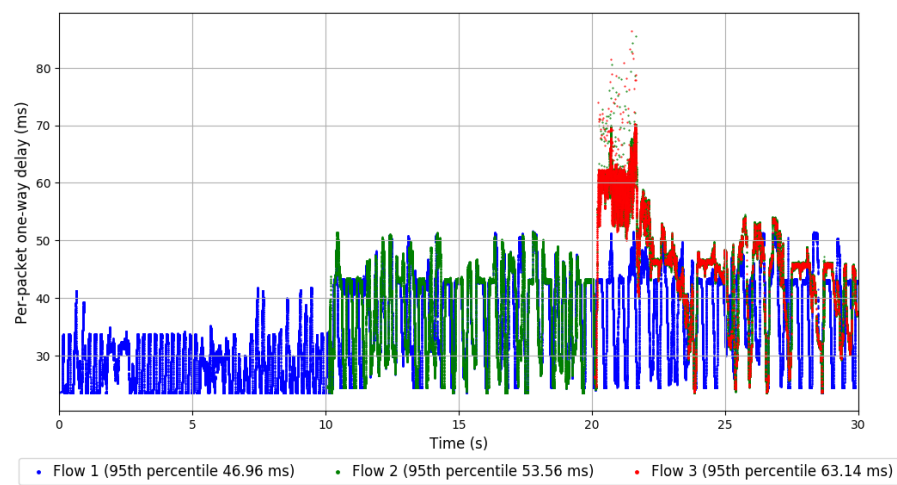
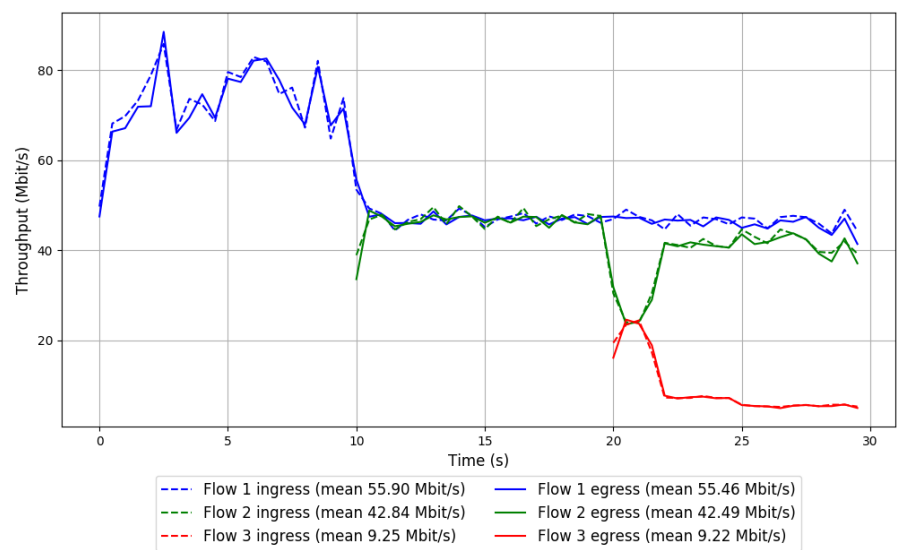


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-04 19:55:02
End at: 2018-02-04 19:55:32
Local clock offset: 0.54 ms
Remote clock offset: -3.737 ms

Below is generated by plot.py at 2018-02-05 02:20:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 50.696 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 46.957 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 53.562 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 63.142 ms
Loss rate: 1.11%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-02-04 20:20:15

End at: 2018-02-04 20:20:45

Local clock offset: 0.61 ms

Remote clock offset: -3.69 ms

Below is generated by plot.py at 2018-02-05 02:20:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 59.895 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 47.575 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 30.64 Mbit/s

95th percentile per-packet one-way delay: 63.221 ms

Loss rate: 1.02%

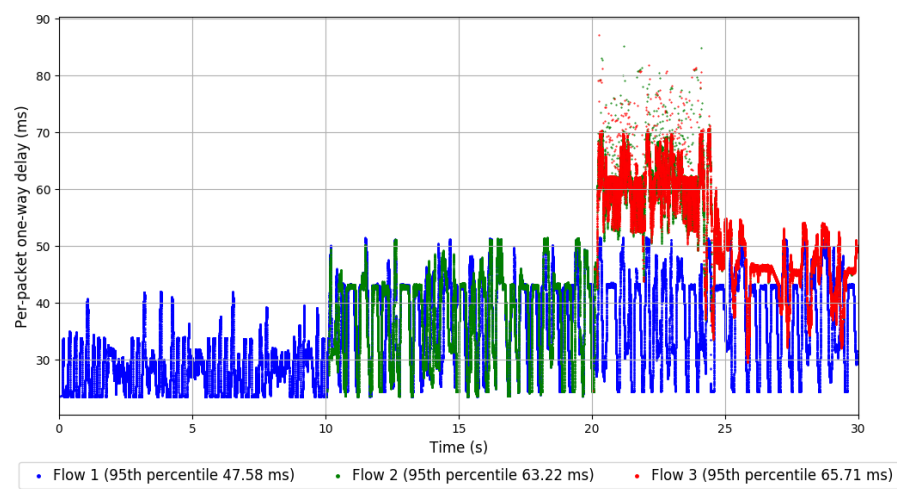
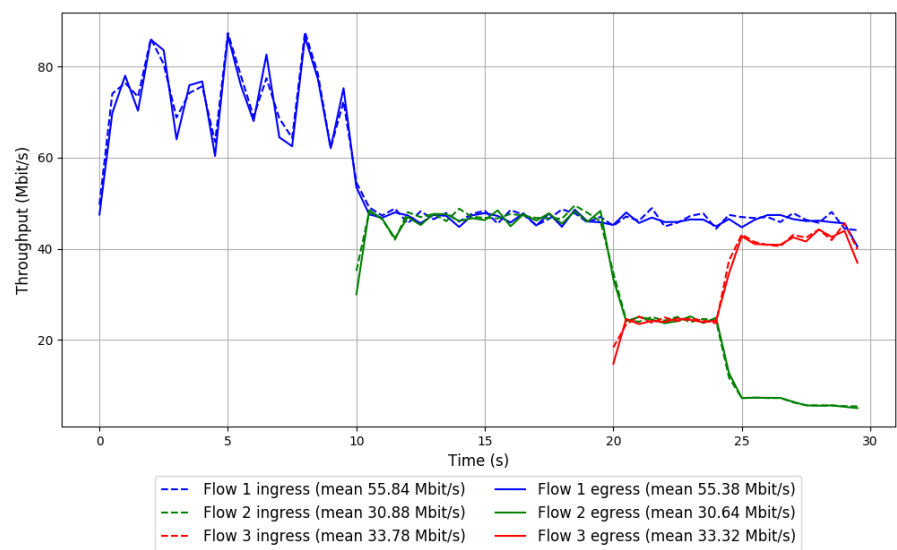
-- Flow 3:

Average throughput: 33.32 Mbit/s

95th percentile per-packet one-way delay: 65.710 ms

Loss rate: 1.89%

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

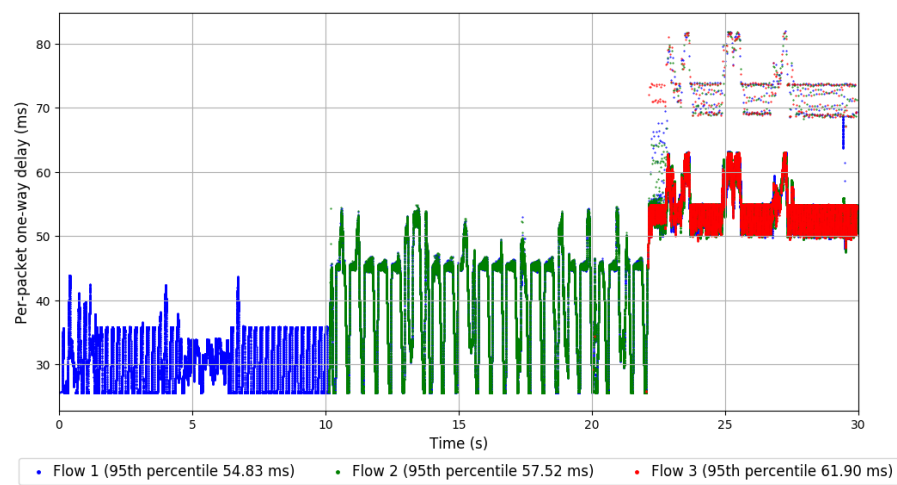
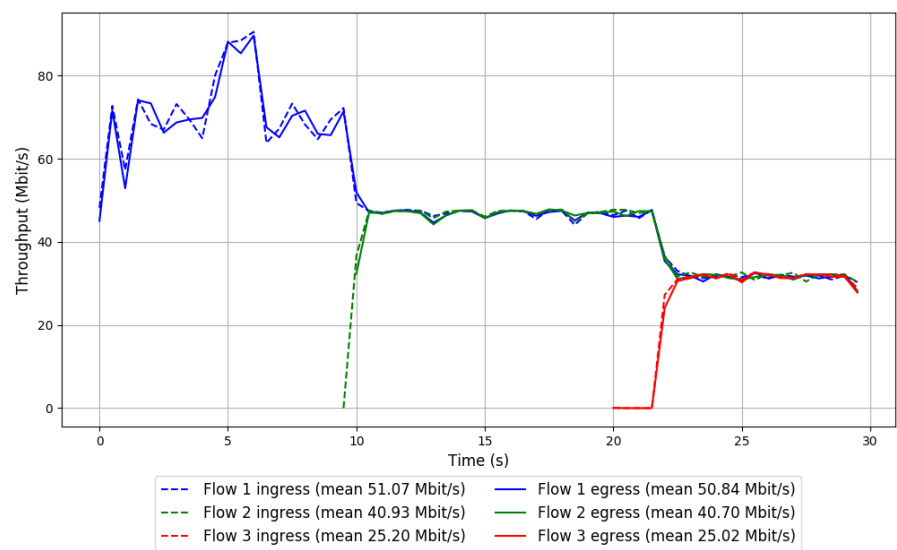


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-04 20:45:13
End at: 2018-02-04 20:45:43
Local clock offset: 0.318 ms
Remote clock offset: -5.533 ms

Below is generated by plot.py at 2018-02-05 02:20:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 57.111 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 50.84 Mbit/s
95th percentile per-packet one-way delay: 54.827 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 57.524 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 61.901 ms
Loss rate: 1.47%

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

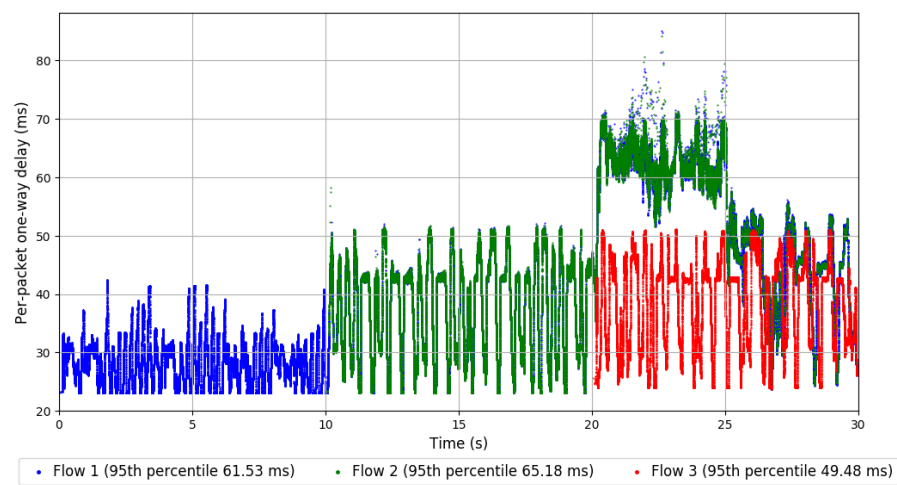
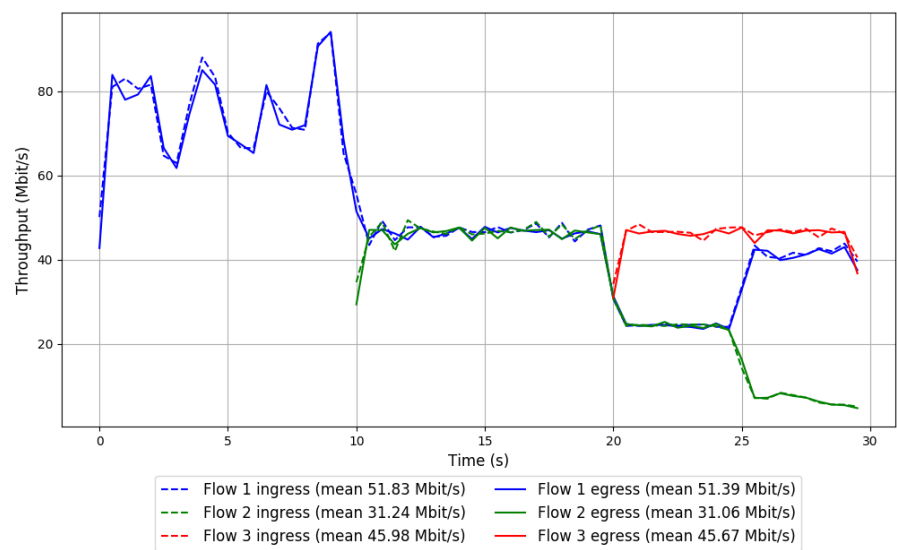


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-04 21:11:03
End at: 2018-02-04 21:11:33
Local clock offset: 0.348 ms
Remote clock offset: -3.959 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 61.935 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 51.39 Mbit/s
95th percentile per-packet one-way delay: 61.528 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 65.176 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 45.67 Mbit/s
95th percentile per-packet one-way delay: 49.483 ms
Loss rate: 1.22%

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

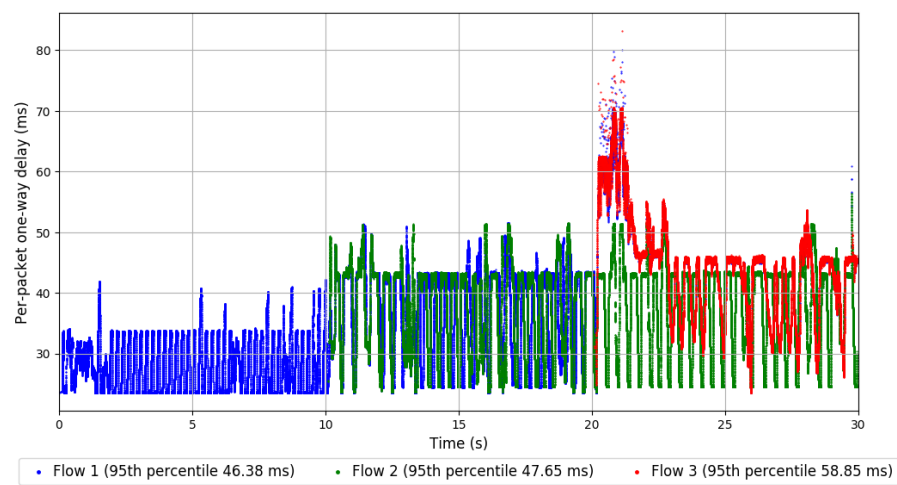
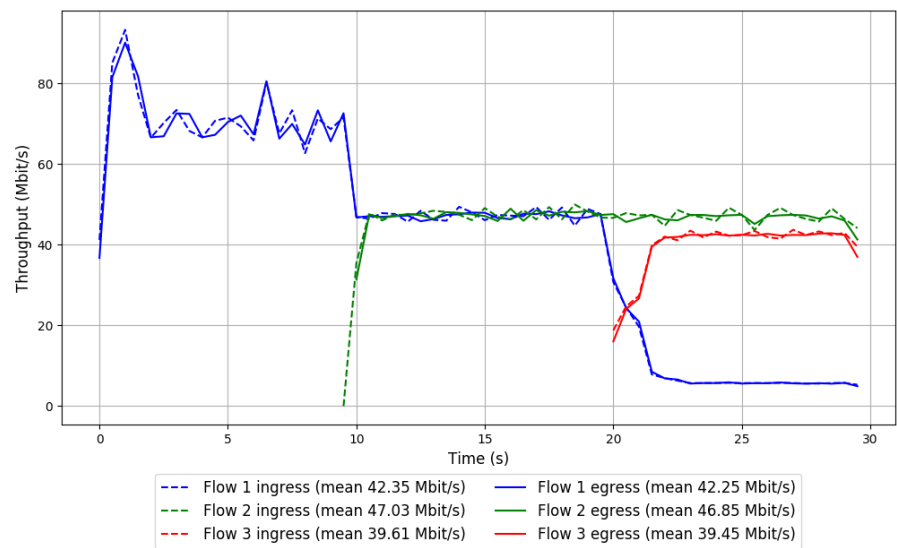


```
Run 10: Statistics of TaoVA-100x

Start at: 2018-02-04 21:36:48
End at: 2018-02-04 21:37:18
Local clock offset: 0.327 ms
Remote clock offset: -5.586 ms

# Below is generated by plot.py at 2018-02-05 02:22:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.46 Mbit/s
95th percentile per-packet one-way delay: 48.865 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 42.25 Mbit/s
95th percentile per-packet one-way delay: 46.382 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 47.650 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 58.854 ms
Loss rate: 1.11%
```

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

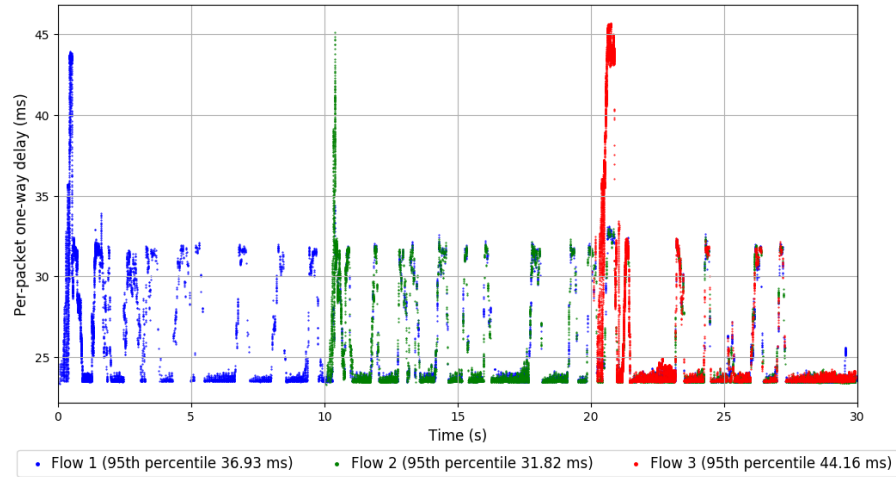
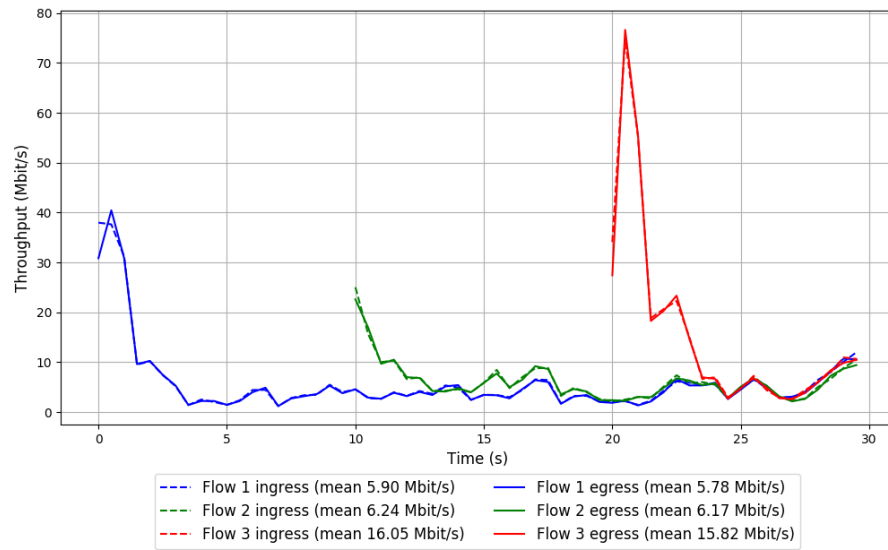


Run 1: Statistics of TCP Vegas

Start at: 2018-02-04 17:23:24
End at: 2018-02-04 17:23:54
Local clock offset: 0.104 ms
Remote clock offset: -2.191 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 43.614 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 36.928 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 31.816 ms
Loss rate: 1.42%
-- Flow 3:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 44.157 ms
Loss rate: 2.03%

Run 1: Report of TCP Vegas — Data Link

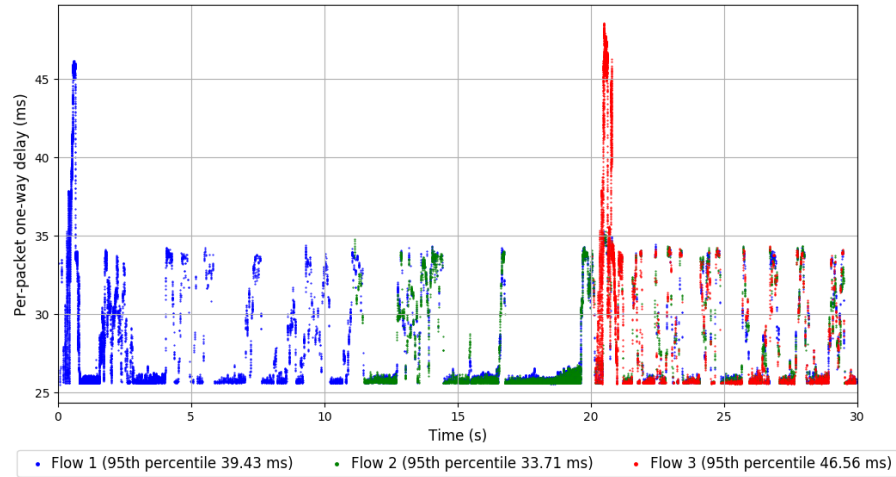
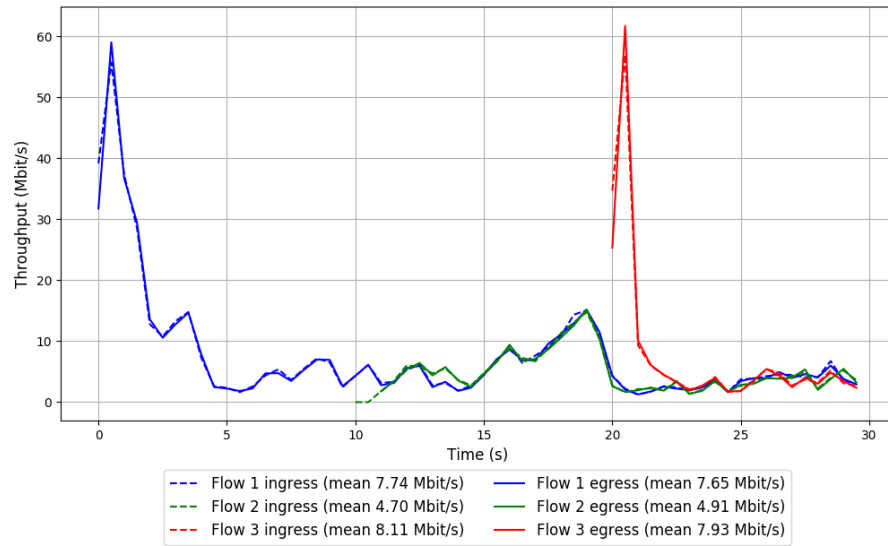


Run 2: Statistics of TCP Vegas

Start at: 2018-02-04 17:49:58
End at: 2018-02-04 17:50:28
Local clock offset: 0.318 ms
Remote clock offset: -6.155 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 44.343 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 7.65 Mbit/s
95th percentile per-packet one-way delay: 39.427 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 4.91 Mbit/s
95th percentile per-packet one-way delay: 33.714 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 46.563 ms
Loss rate: 2.97%

Run 2: Report of TCP Vegas — Data Link

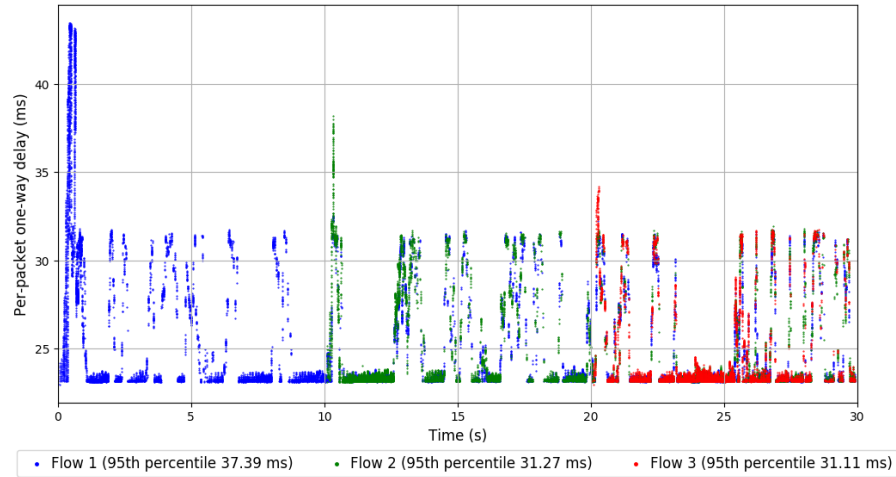
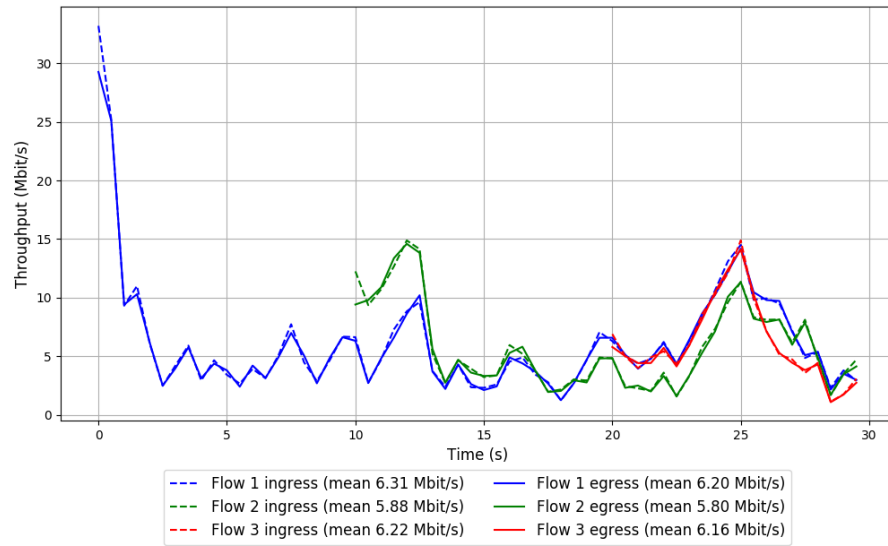


Run 3: Statistics of TCP Vegas

Start at: 2018-02-04 18:17:21
End at: 2018-02-04 18:17:51
Local clock offset: 0.412 ms
Remote clock offset: -3.881 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 31.515 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 37.387 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 5.80 Mbit/s
95th percentile per-packet one-way delay: 31.274 ms
Loss rate: 1.71%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 31.114 ms
Loss rate: 1.50%

Run 3: Report of TCP Vegas — Data Link

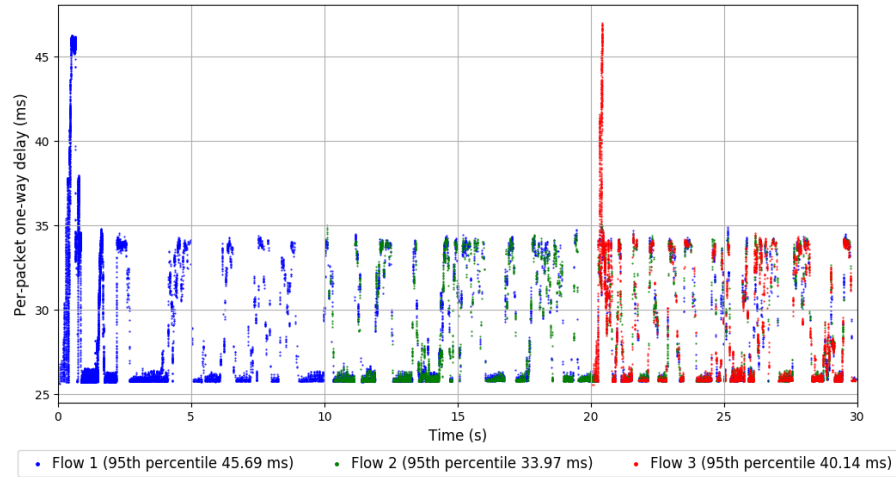
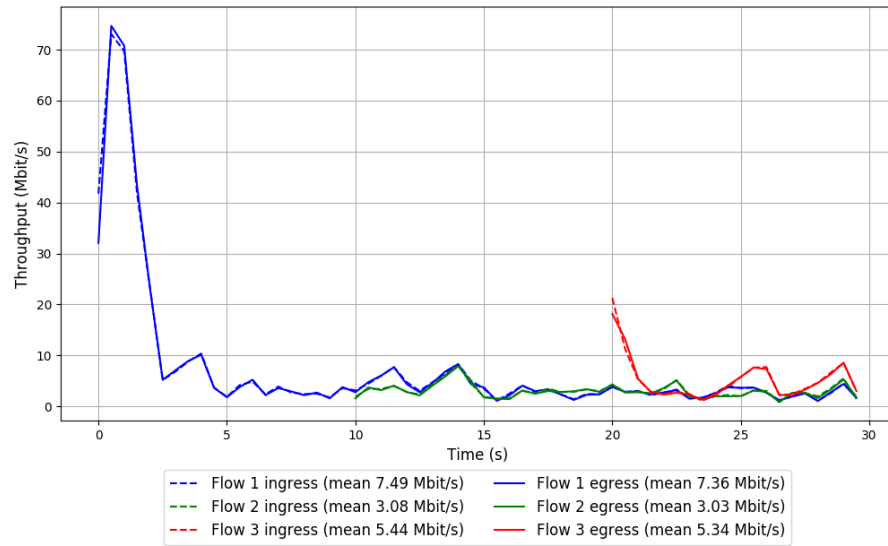


Run 4: Statistics of TCP Vegas

Start at: 2018-02-04 18:44:44
End at: 2018-02-04 18:45:14
Local clock offset: 0.282 ms
Remote clock offset: -5.909 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 43.487 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 45.693 ms
Loss rate: 1.82%
-- Flow 2:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 33.967 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 40.136 ms
Loss rate: 2.22%

Run 4: Report of TCP Vegas — Data Link

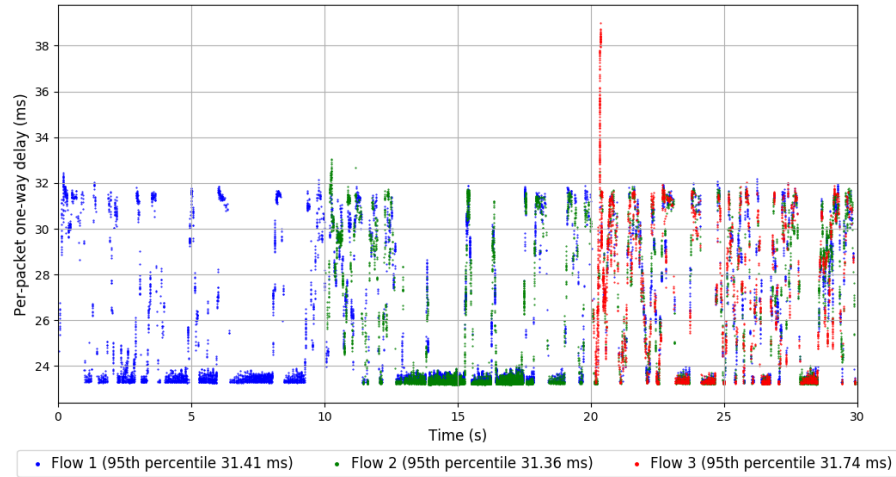
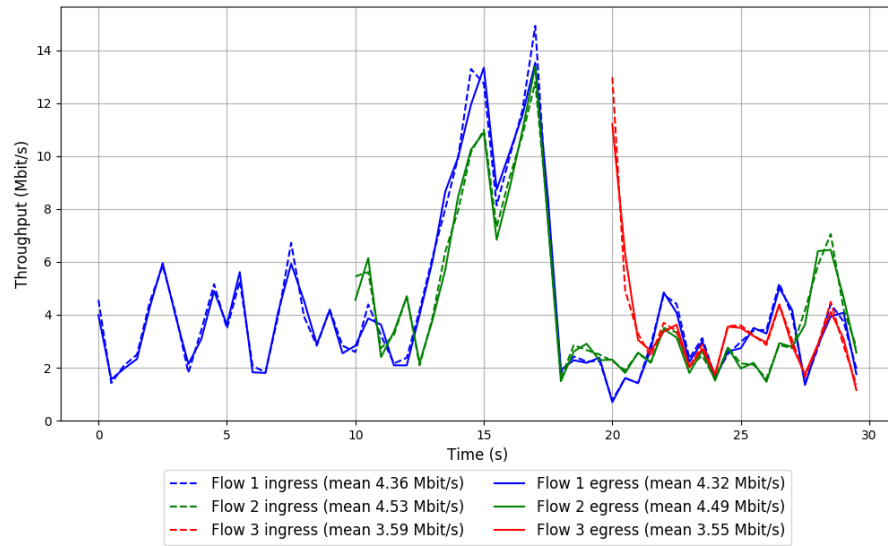


Run 5: Statistics of TCP Vegas

Start at: 2018-02-04 19:13:10
End at: 2018-02-04 19:13:40
Local clock offset: 0.256 ms
Remote clock offset: -2.705 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 31.432 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 31.410 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 31.364 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 31.738 ms
Loss rate: 1.65%

Run 5: Report of TCP Vegas — Data Link

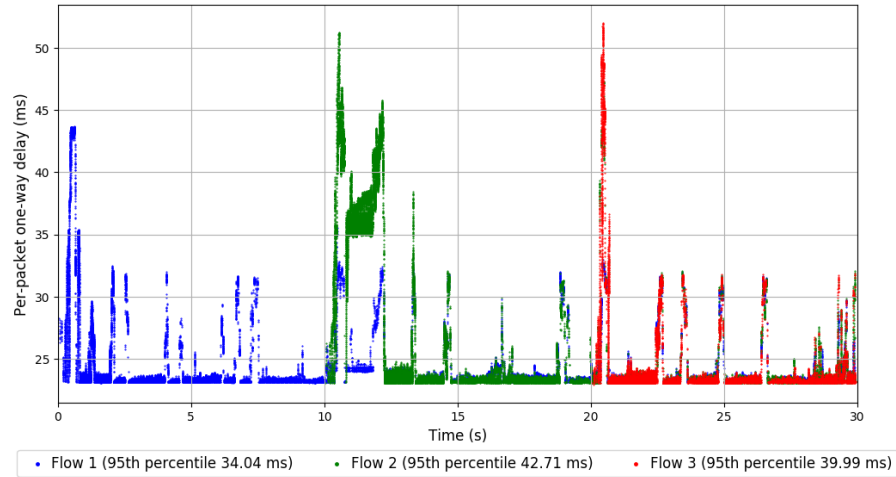
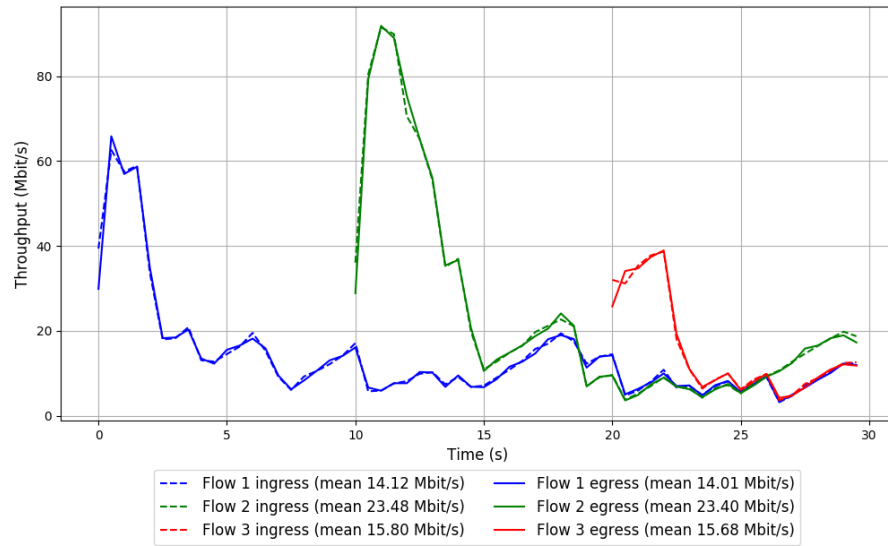


Run 6: Statistics of TCP Vegas

Start at: 2018-02-04 19:39:33
End at: 2018-02-04 19:40:03
Local clock offset: 0.496 ms
Remote clock offset: -3.353 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 42.032 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 34.037 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 42.709 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 39.992 ms
Loss rate: 1.34%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-02-04 20:04:56

End at: 2018-02-04 20:05:26

Local clock offset: 0.482 ms

Remote clock offset: -5.81 ms

Below is generated by plot.py at 2018-02-05 02:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.42 Mbit/s

95th percentile per-packet one-way delay: 35.078 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 14.64 Mbit/s

95th percentile per-packet one-way delay: 33.460 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 17.56 Mbit/s

95th percentile per-packet one-way delay: 34.031 ms

Loss rate: 0.65%

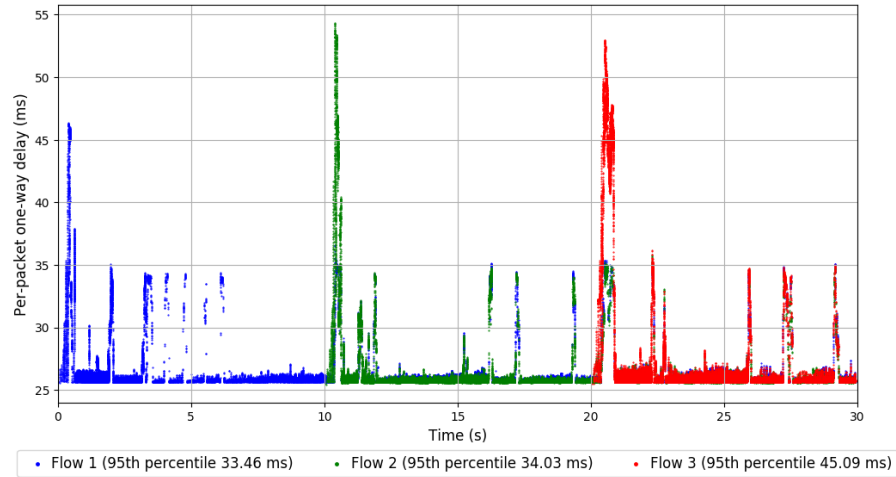
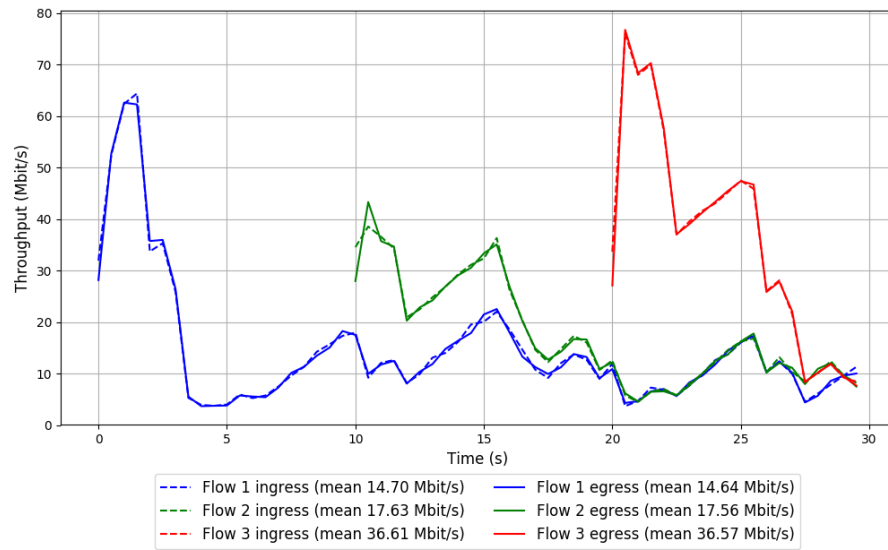
-- Flow 3:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 45.092 ms

Loss rate: 0.64%

Run 7: Report of TCP Vegas — Data Link

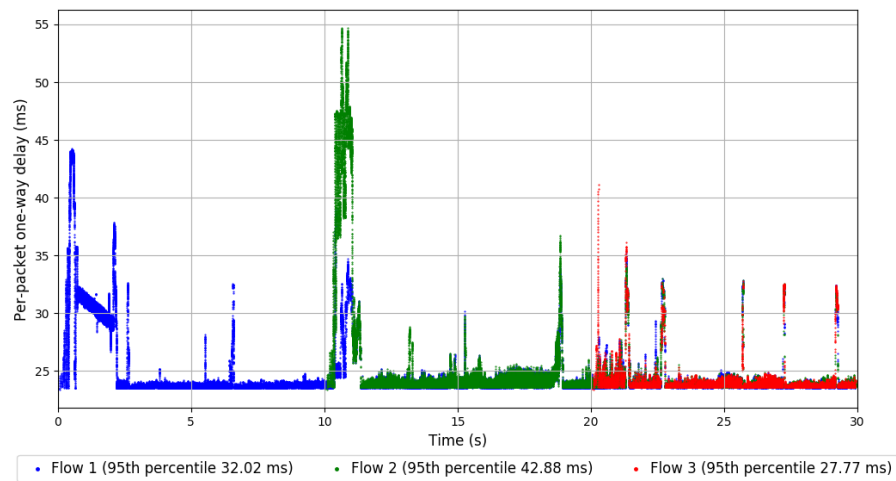
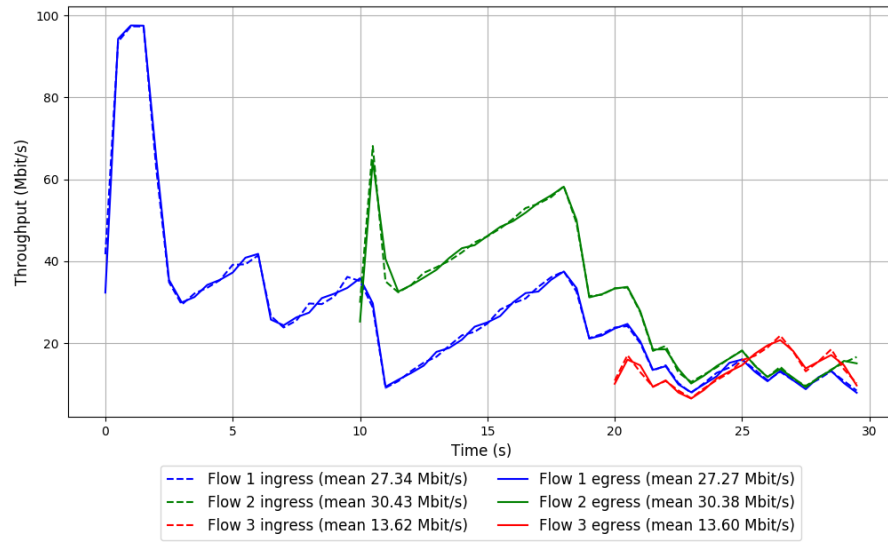


Run 8: Statistics of TCP Vegas

Start at: 2018-02-04 20:29:55
End at: 2018-02-04 20:30:25
Local clock offset: 0.534 ms
Remote clock offset: -3.683 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.96 Mbit/s
95th percentile per-packet one-way delay: 32.997 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 32.024 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 42.883 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 27.770 ms
Loss rate: 0.69%

Run 8: Report of TCP Vegas — Data Link

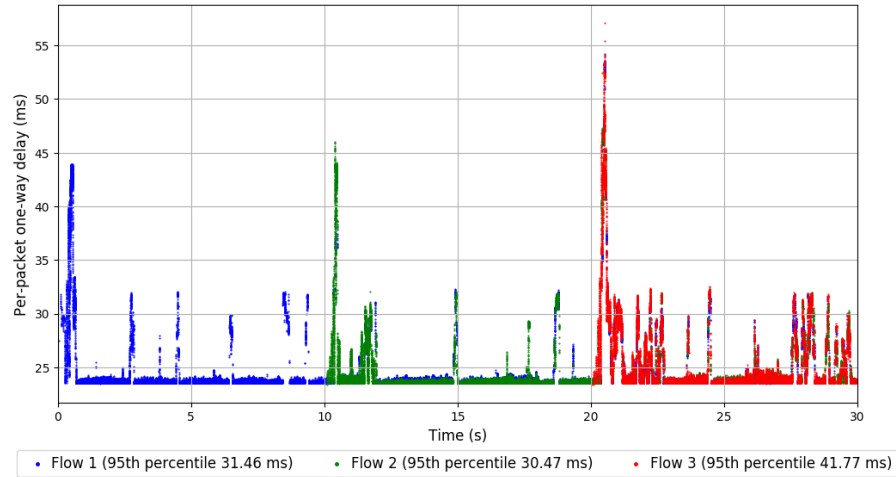
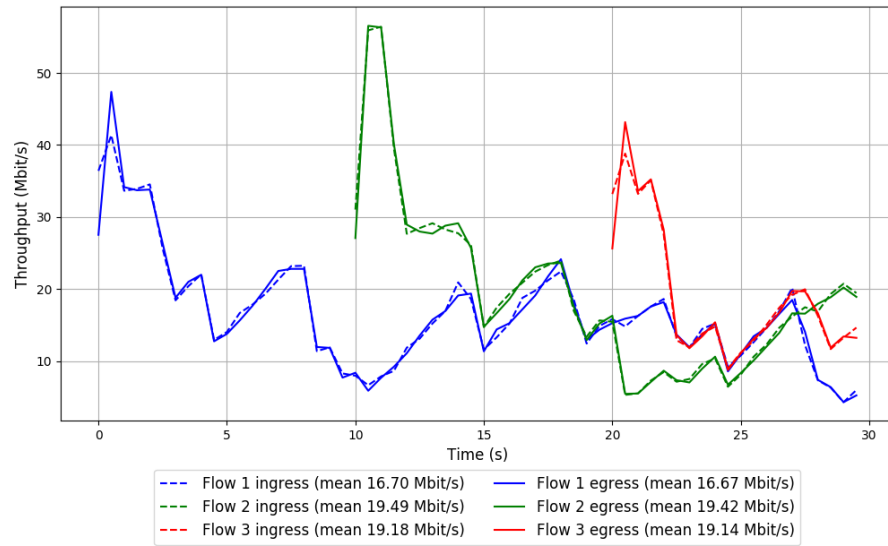


Run 9: Statistics of TCP Vegas

Start at: 2018-02-04 20:55:24
End at: 2018-02-04 20:55:54
Local clock offset: 0.194 ms
Remote clock offset: -3.662 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 31.560 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 16.67 Mbit/s
95th percentile per-packet one-way delay: 31.465 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 19.42 Mbit/s
95th percentile per-packet one-way delay: 30.469 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 19.14 Mbit/s
95th percentile per-packet one-way delay: 41.772 ms
Loss rate: 0.72%

Run 9: Report of TCP Vegas — Data Link

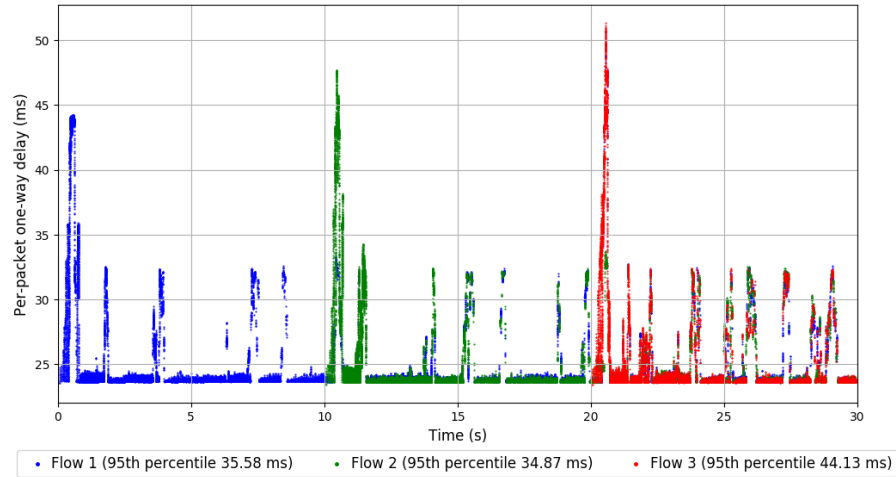
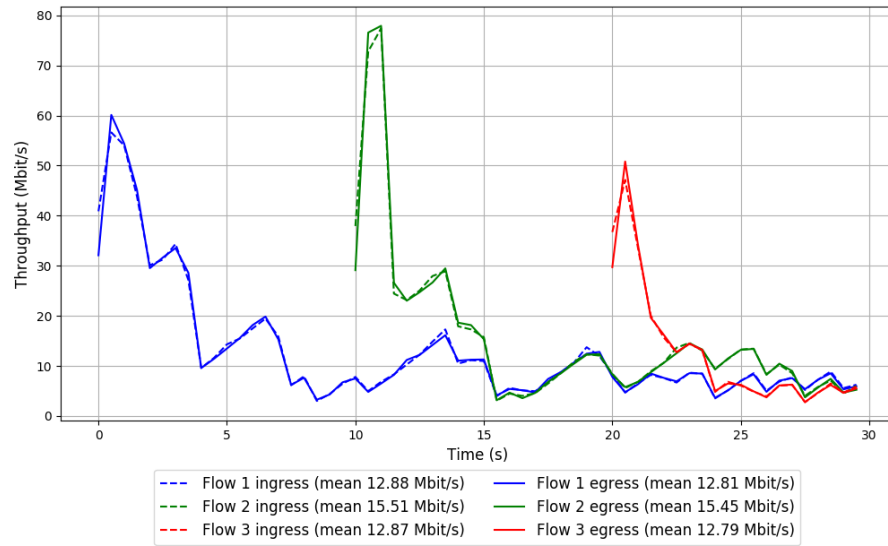


Run 10: Statistics of TCP Vegas

Start at: 2018-02-04 21:21:08
End at: 2018-02-04 21:21:38
Local clock offset: 0.418 ms
Remote clock offset: -4.728 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.32 Mbit/s
95th percentile per-packet one-way delay: 37.902 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 35.578 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 34.873 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 12.79 Mbit/s
95th percentile per-packet one-way delay: 44.131 ms
Loss rate: 1.20%

Run 10: Report of TCP Vegas — Data Link

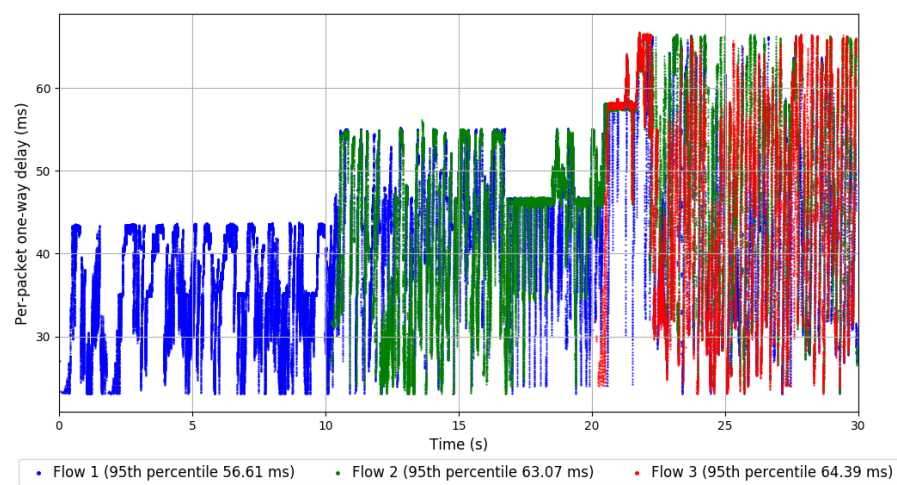
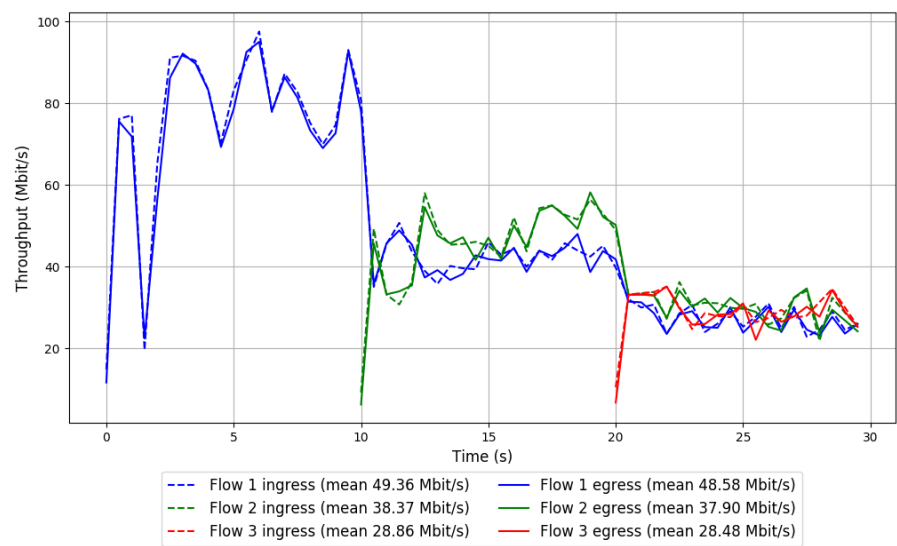


Run 1: Statistics of Verus

Start at: 2018-02-04 17:33:32
End at: 2018-02-04 17:34:02
Local clock offset: 0.217 ms
Remote clock offset: -2.611 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.17 Mbit/s
95th percentile per-packet one-way delay: 60.869 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 56.609 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 63.066 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 64.389 ms
Loss rate: 2.32%

Run 1: Report of Verus — Data Link

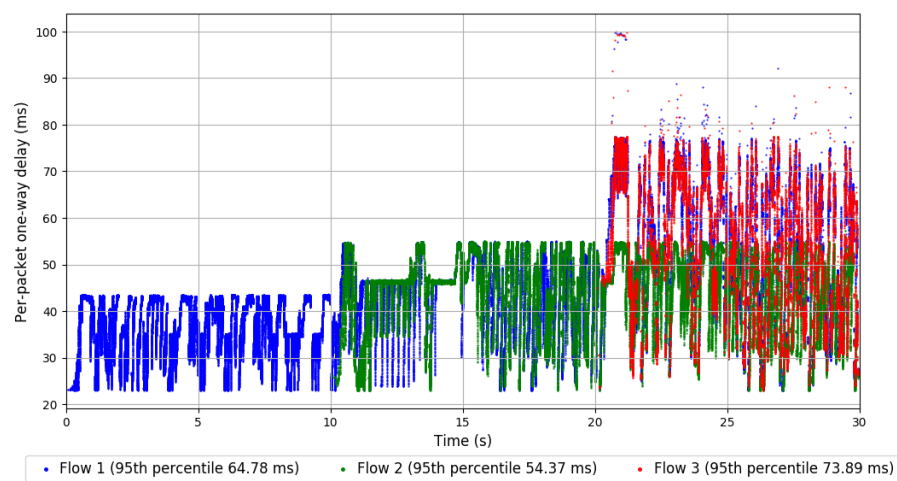
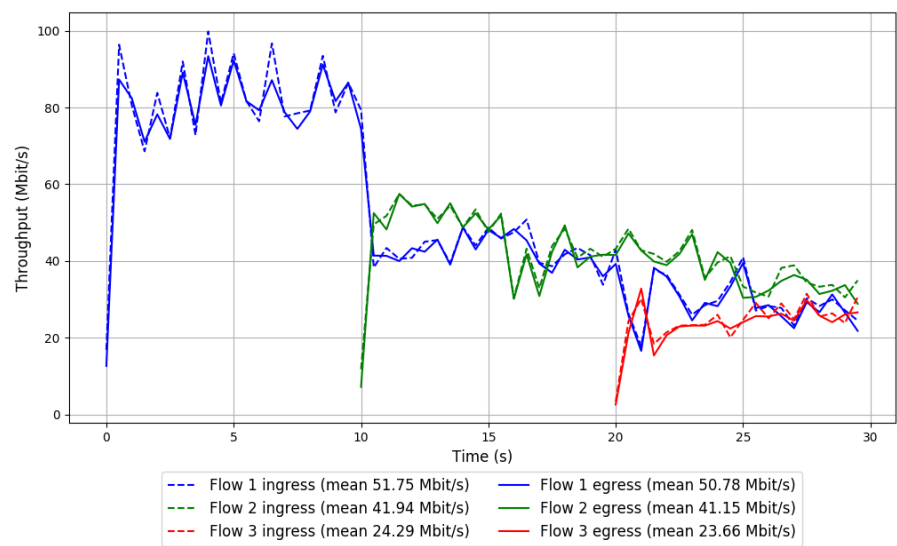


Run 2: Statistics of Verus

Start at: 2018-02-04 18:00:34
End at: 2018-02-04 18:01:04
Local clock offset: 0.375 ms
Remote clock offset: -4.105 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.97 Mbit/s
95th percentile per-packet one-way delay: 65.780 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 64.776 ms
Loss rate: 2.06%
-- Flow 2:
Average throughput: 41.15 Mbit/s
95th percentile per-packet one-way delay: 54.369 ms
Loss rate: 2.16%
-- Flow 3:
Average throughput: 23.66 Mbit/s
95th percentile per-packet one-way delay: 73.890 ms
Loss rate: 3.49%

Run 2: Report of Verus — Data Link

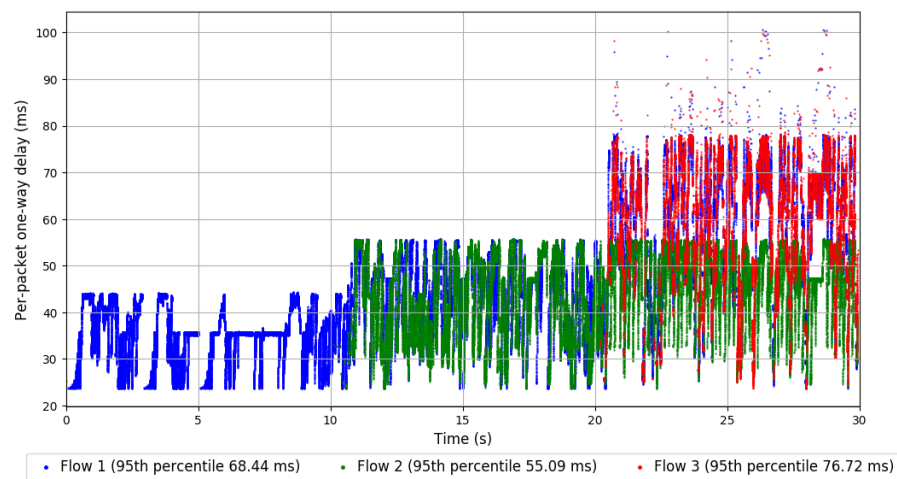
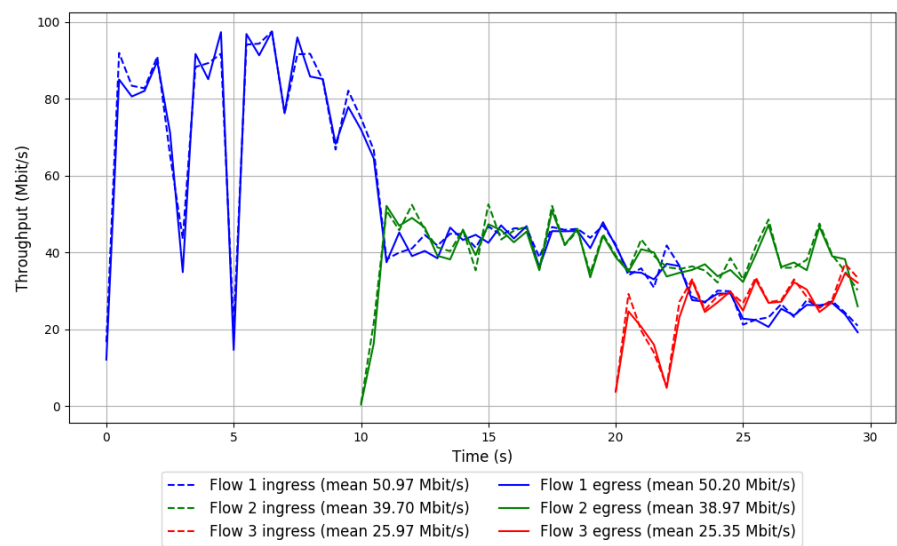


Run 3: Statistics of Verus

Start at: 2018-02-04 18:27:38
End at: 2018-02-04 18:28:08
Local clock offset: 0.271 ms
Remote clock offset: -4.304 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 69.556 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 50.20 Mbit/s
95th percentile per-packet one-way delay: 68.437 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 55.093 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 76.717 ms
Loss rate: 3.08%

Run 3: Report of Verus — Data Link

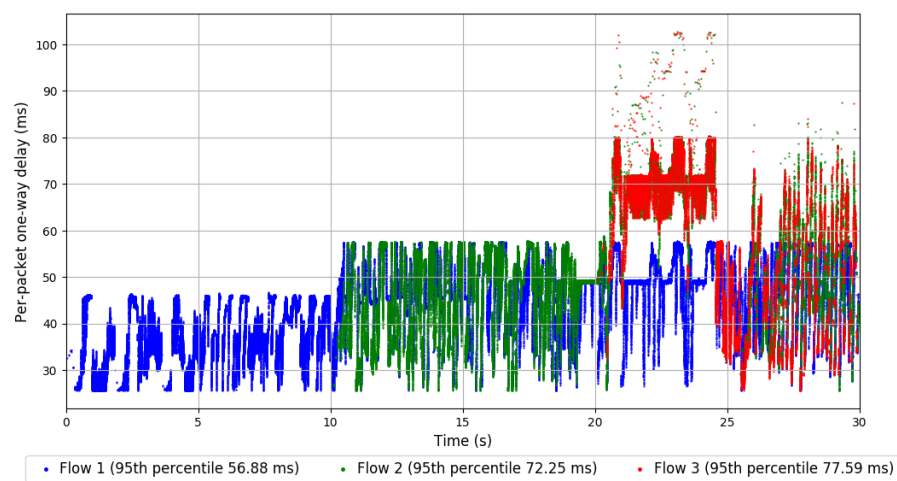
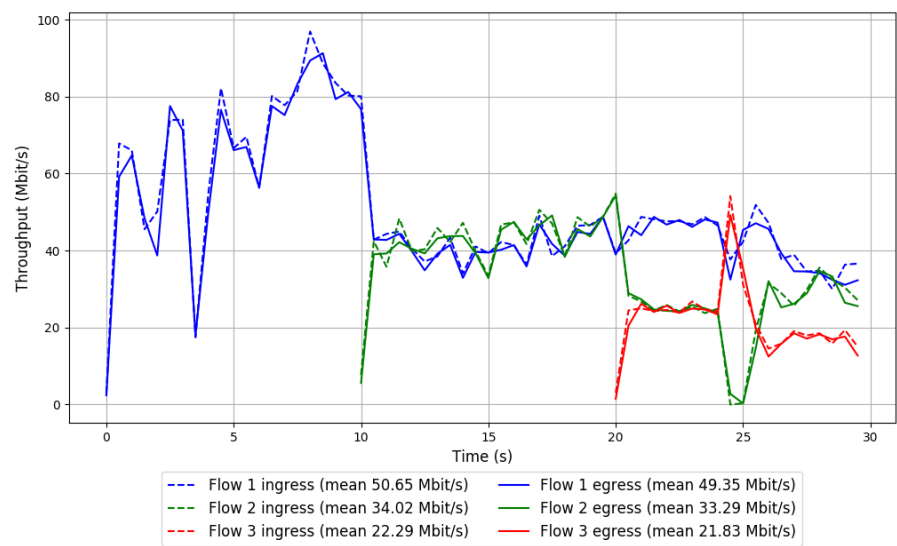


Run 4: Statistics of Verus

Start at: 2018-02-04 18:55:29
End at: 2018-02-04 18:55:59
Local clock offset: 0.282 ms
Remote clock offset: -5.337 ms

Below is generated by plot.py at 2018-02-05 02:22:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 70.260 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 56.879 ms
Loss rate: 2.76%
-- Flow 2:
Average throughput: 33.29 Mbit/s
95th percentile per-packet one-way delay: 72.247 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 77.589 ms
Loss rate: 3.33%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-02-04 19:23:59

End at: 2018-02-04 19:24:29

Local clock offset: 0.267 ms

Remote clock offset: -3.49 ms

Below is generated by plot.py at 2018-02-05 02:22:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 64.176 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 59.728 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 39.24 Mbit/s

95th percentile per-packet one-way delay: 64.753 ms

Loss rate: 0.72%

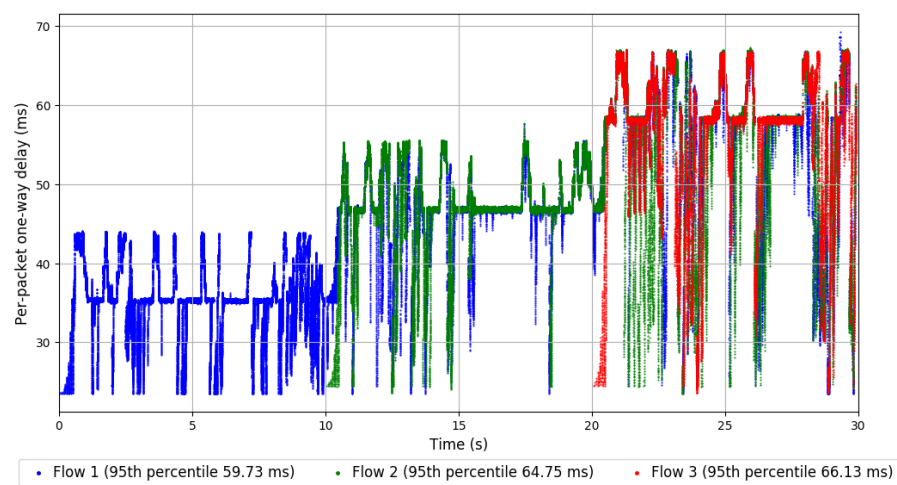
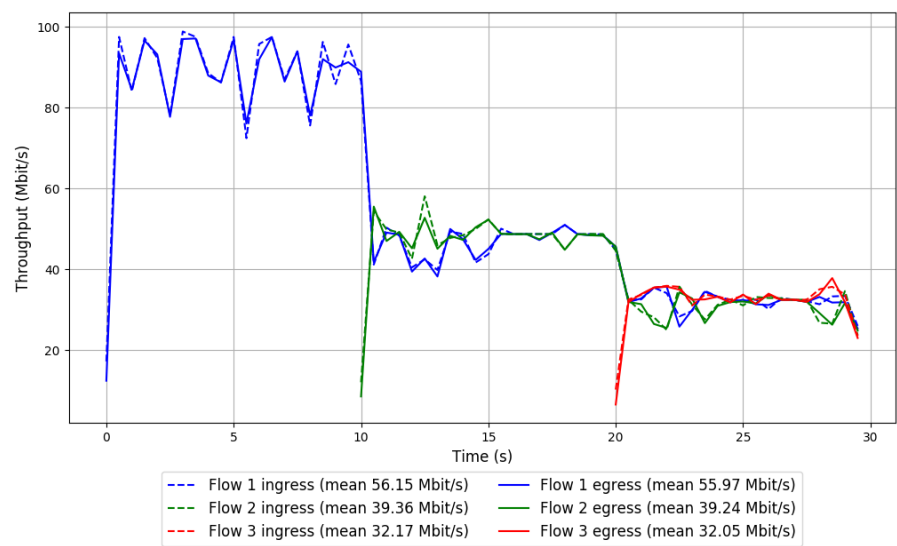
-- Flow 3:

Average throughput: 32.05 Mbit/s

95th percentile per-packet one-way delay: 66.128 ms

Loss rate: 1.22%

Run 5: Report of Verus — Data Link

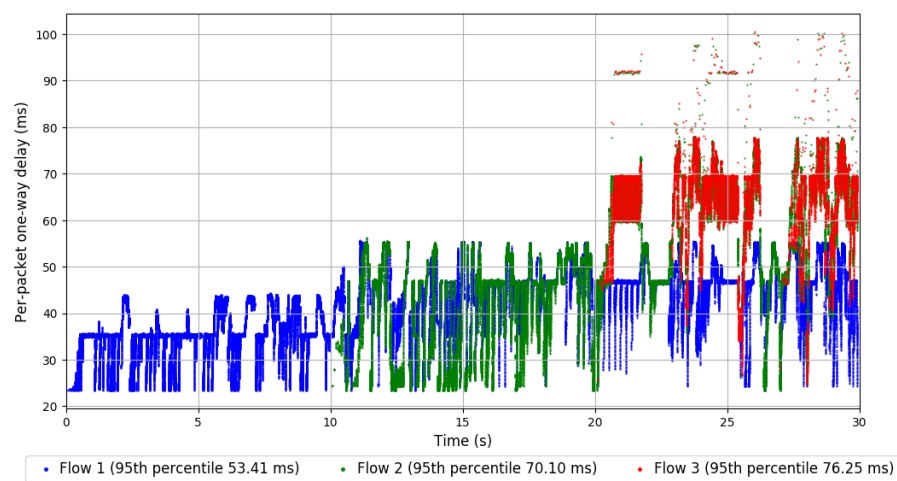
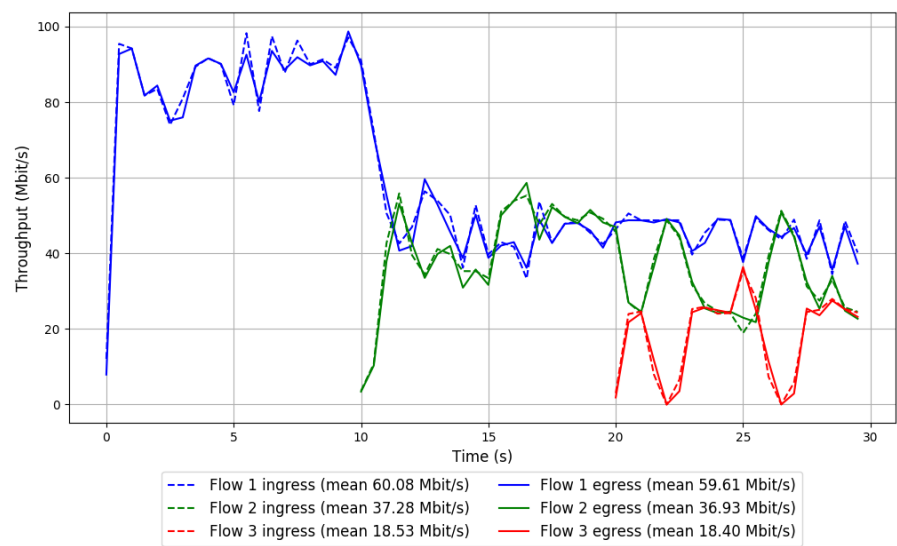


Run 6: Statistics of Verus

Start at: 2018-02-04 19:49:25
End at: 2018-02-04 19:49:55
Local clock offset: 0.448 ms
Remote clock offset: -3.762 ms

Below is generated by plot.py at 2018-02-05 02:23:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.25 Mbit/s
95th percentile per-packet one-way delay: 69.080 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 53.412 ms
Loss rate: 1.00%
-- Flow 2:
Average throughput: 36.93 Mbit/s
95th percentile per-packet one-way delay: 70.104 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 76.247 ms
Loss rate: 1.75%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-02-04 20:14:43

End at: 2018-02-04 20:15:13

Local clock offset: 0.606 ms

Remote clock offset: -3.78 ms

Below is generated by plot.py at 2018-02-05 02:23:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.15 Mbit/s

95th percentile per-packet one-way delay: 62.114 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 54.26 Mbit/s

95th percentile per-packet one-way delay: 58.335 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 39.44 Mbit/s

95th percentile per-packet one-way delay: 61.699 ms

Loss rate: 0.92%

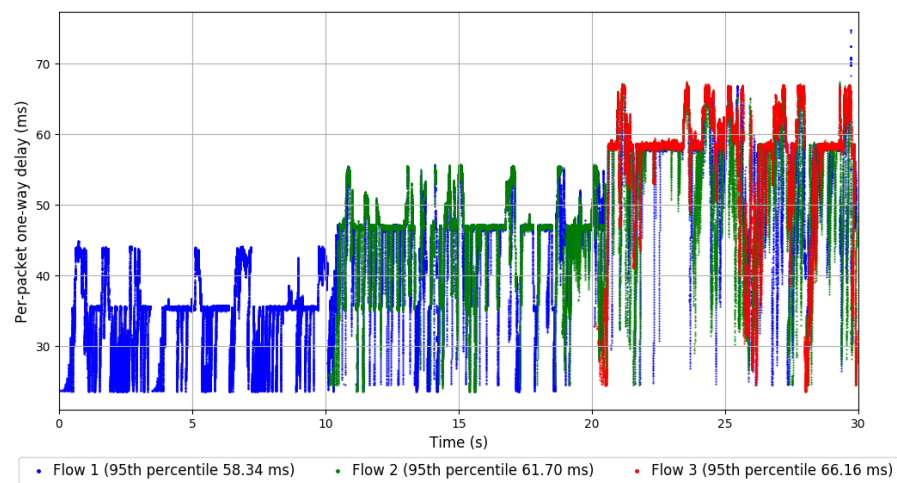
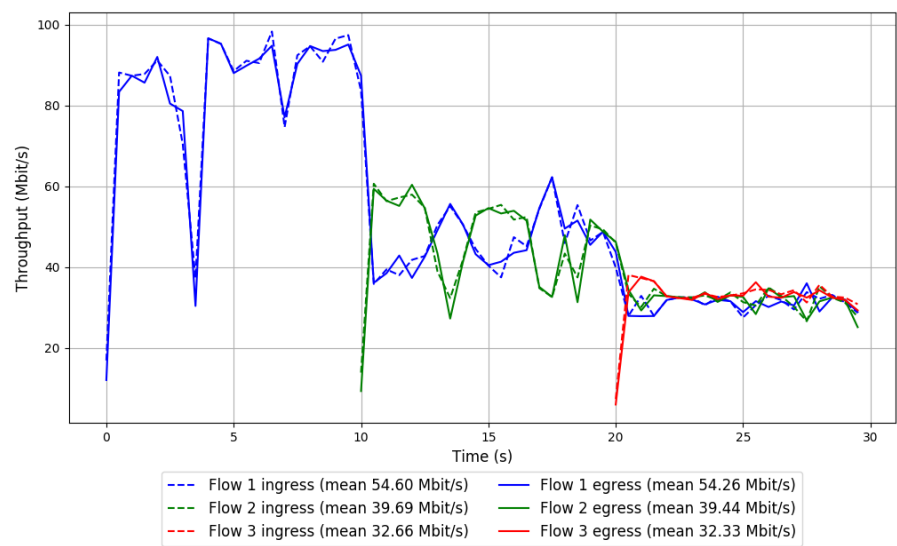
-- Flow 3:

Average throughput: 32.33 Mbit/s

95th percentile per-packet one-way delay: 66.156 ms

Loss rate: 1.60%

Run 7: Report of Verus — Data Link

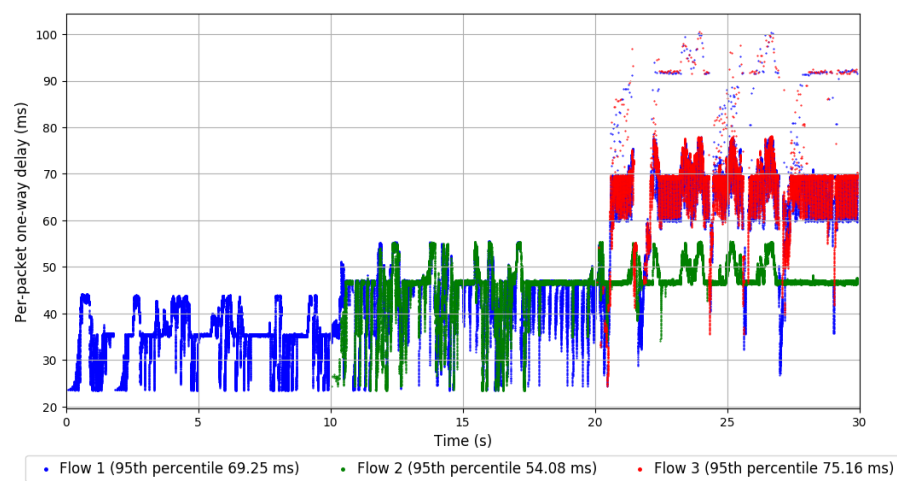
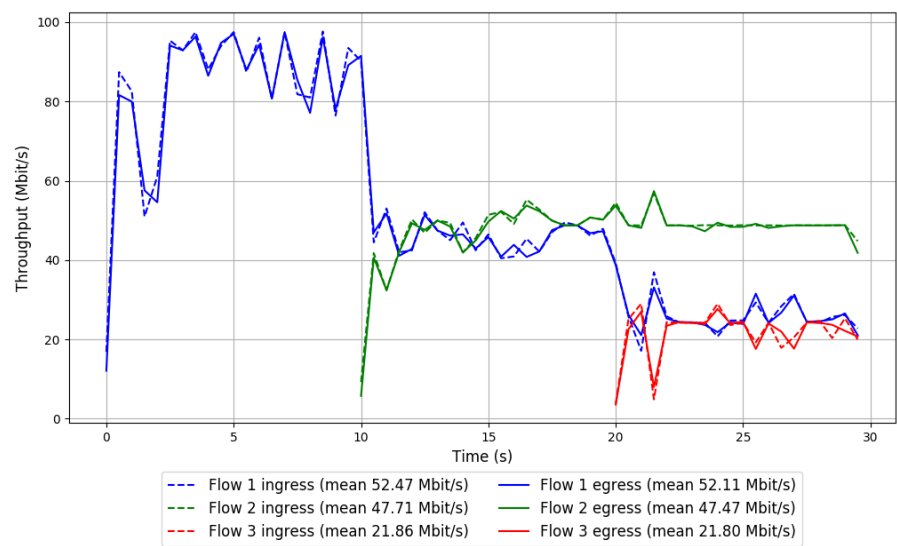


Run 8: Statistics of Verus

Start at: 2018-02-04 20:39:28
End at: 2018-02-04 20:39:58
Local clock offset: 0.329 ms
Remote clock offset: -3.478 ms

Below is generated by plot.py at 2018-02-05 02:23:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 69.351 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 52.11 Mbit/s
95th percentile per-packet one-way delay: 69.251 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 54.075 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 21.80 Mbit/s
95th percentile per-packet one-way delay: 75.160 ms
Loss rate: 0.81%

Run 8: Report of Verus — Data Link

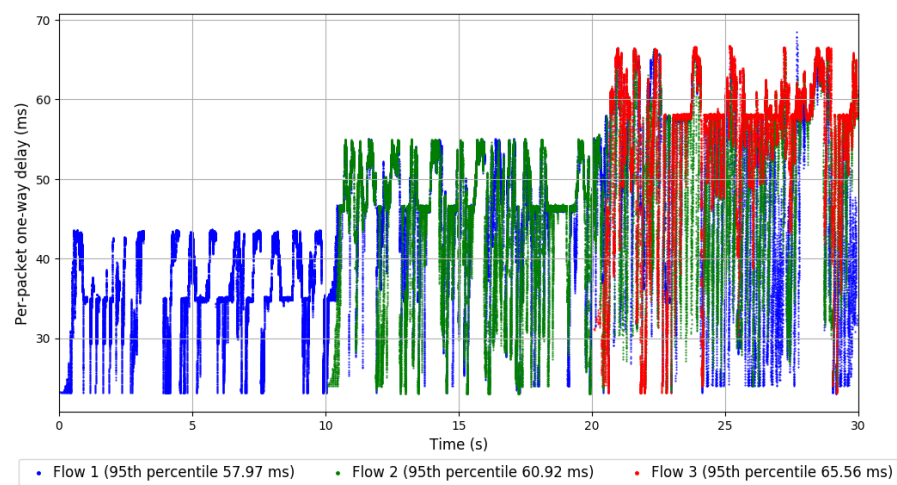
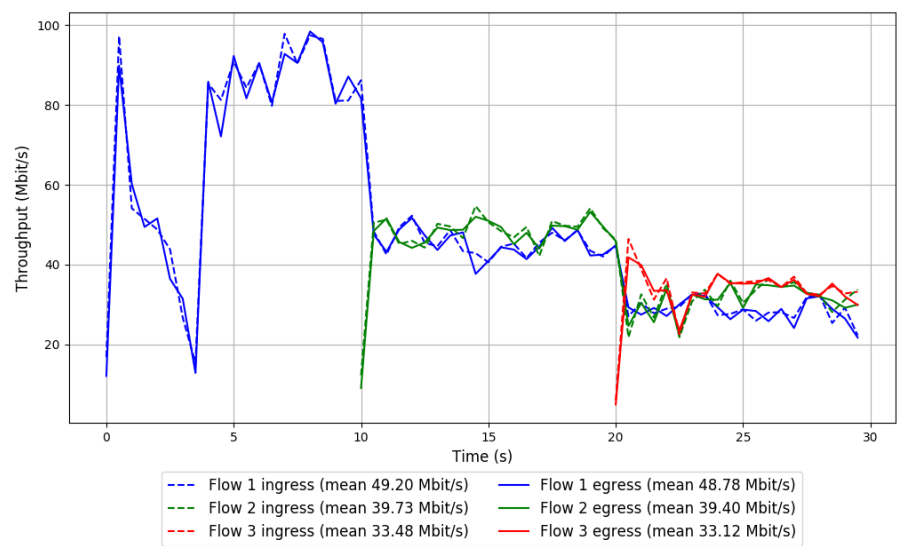


Run 9: Statistics of Verus

Start at: 2018-02-04 21:05:09
End at: 2018-02-04 21:05:39
Local clock offset: 0.338 ms
Remote clock offset: -3.599 ms

Below is generated by plot.py at 2018-02-05 02:23:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 61.771 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 57.971 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 60.921 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 33.12 Mbit/s
95th percentile per-packet one-way delay: 65.557 ms
Loss rate: 1.65%

Run 9: Report of Verus — Data Link

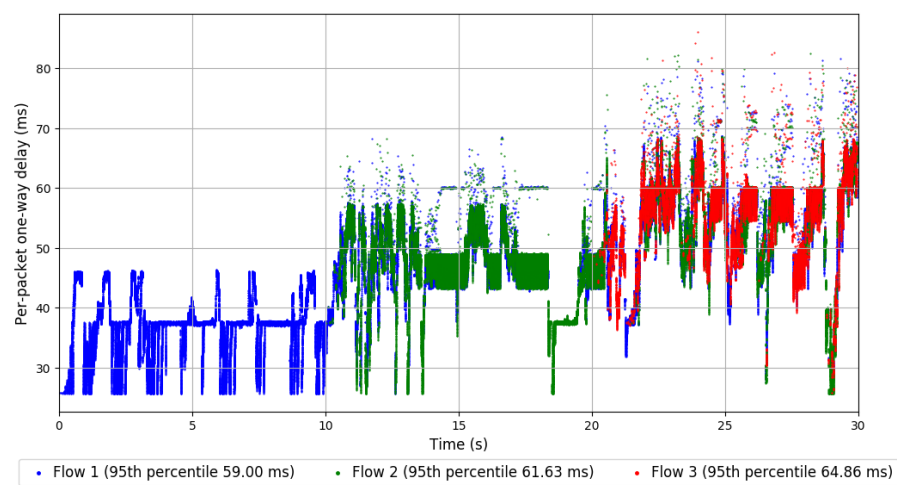
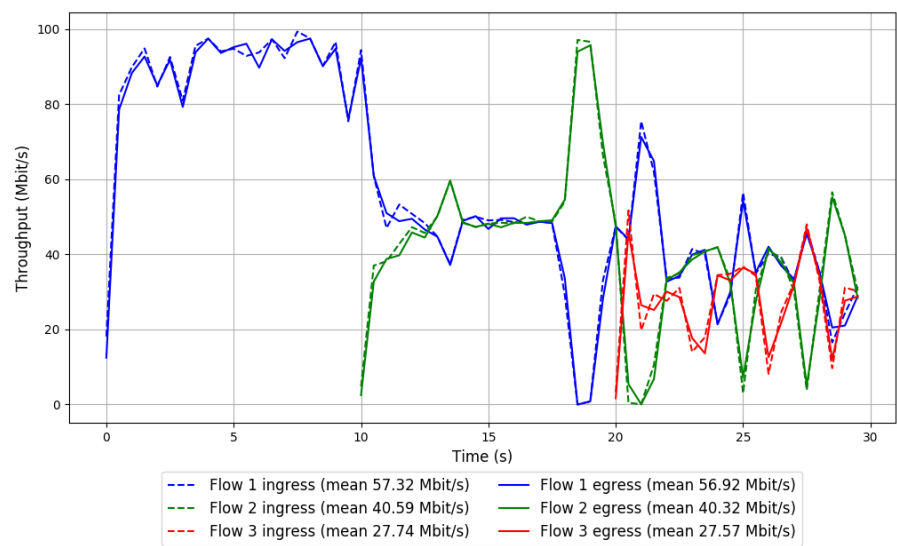


Run 10: Statistics of Verus

Start at: 2018-02-04 21:31:05
End at: 2018-02-04 21:31:35
Local clock offset: 0.286 ms
Remote clock offset: -7.295 ms

Below is generated by plot.py at 2018-02-05 02:24:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 60.493 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 58.996 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 61.628 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 27.57 Mbit/s
95th percentile per-packet one-way delay: 64.861 ms
Loss rate: 1.57%

Run 10: Report of Verus — Data Link

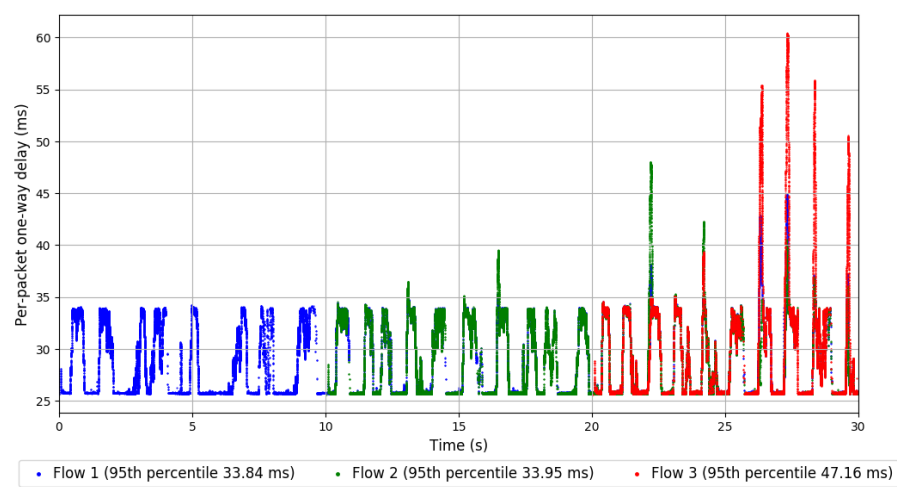
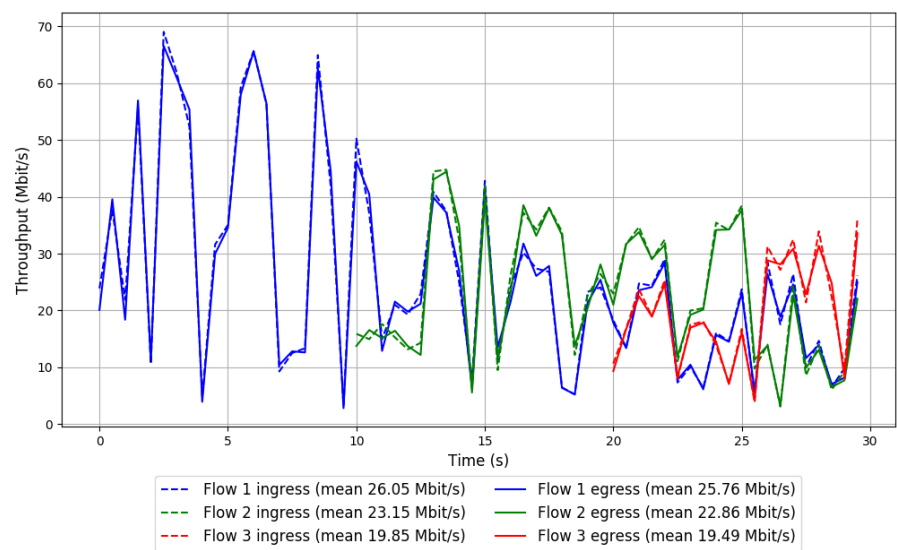


Run 1: Statistics of Copa

Start at: 2018-02-04 17:26:18
End at: 2018-02-04 17:26:48
Local clock offset: 0.135 ms
Remote clock offset: -4.584 ms

Below is generated by plot.py at 2018-02-05 02:24:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 33.991 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 33.844 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 33.954 ms
Loss rate: 1.51%
-- Flow 3:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 47.162 ms
Loss rate: 2.35%

Run 1: Report of Copa — Data Link

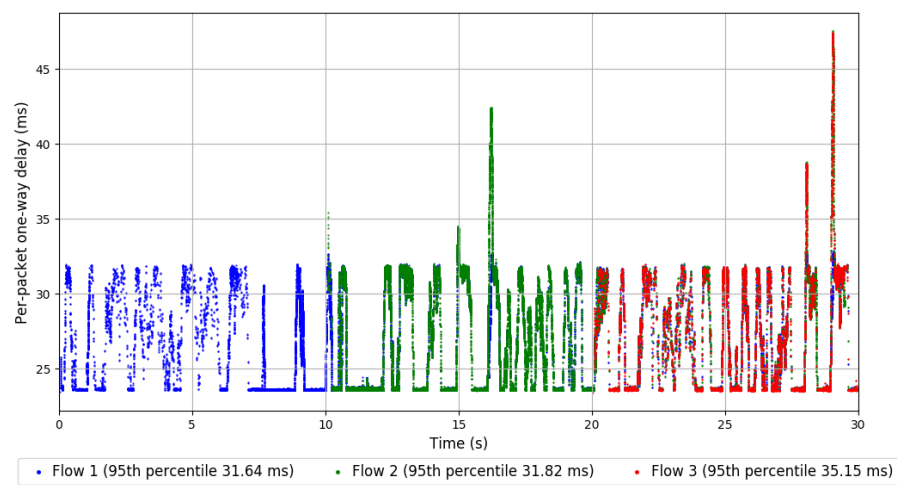
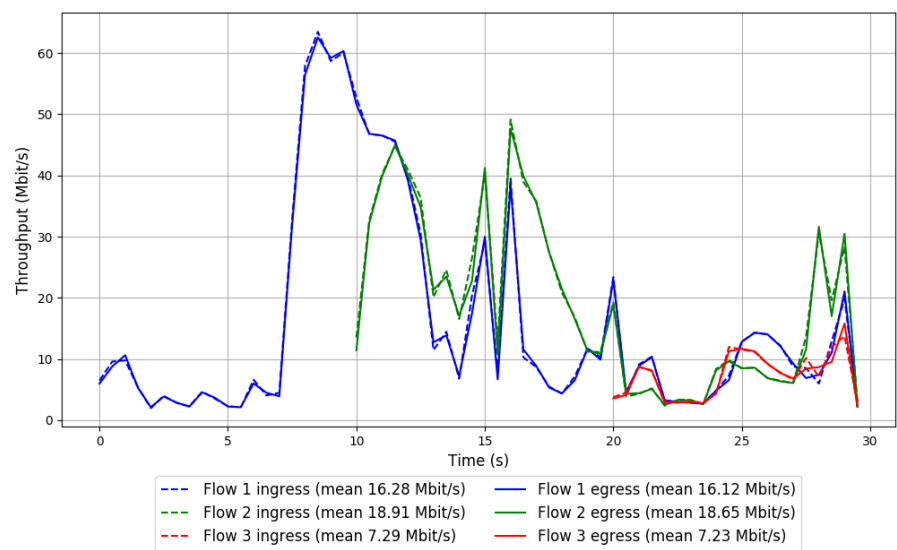


Run 2: Statistics of Copa

Start at: 2018-02-04 17:53:01
End at: 2018-02-04 17:53:31
Local clock offset: 0.416 ms
Remote clock offset: -4.175 ms

Below is generated by plot.py at 2018-02-05 02:24:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 31.718 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 31.637 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 18.65 Mbit/s
95th percentile per-packet one-way delay: 31.817 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 35.149 ms
Loss rate: 1.35%

Run 2: Report of Copa — Data Link

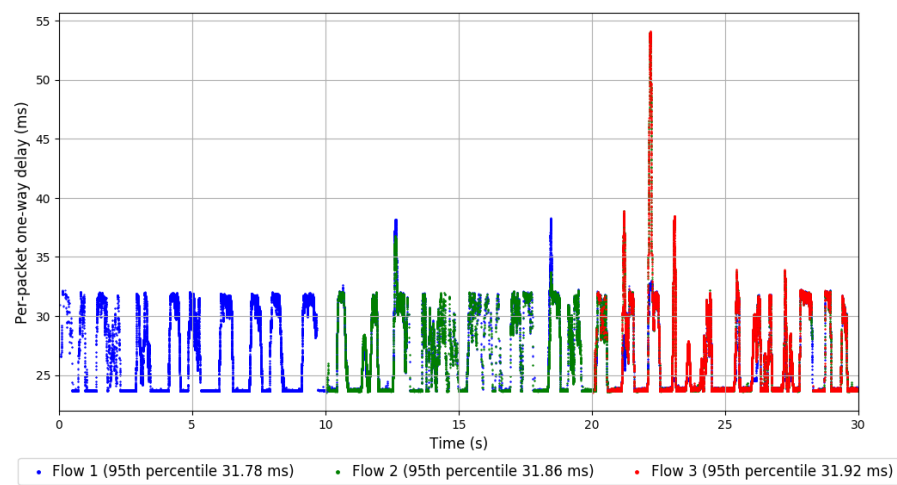
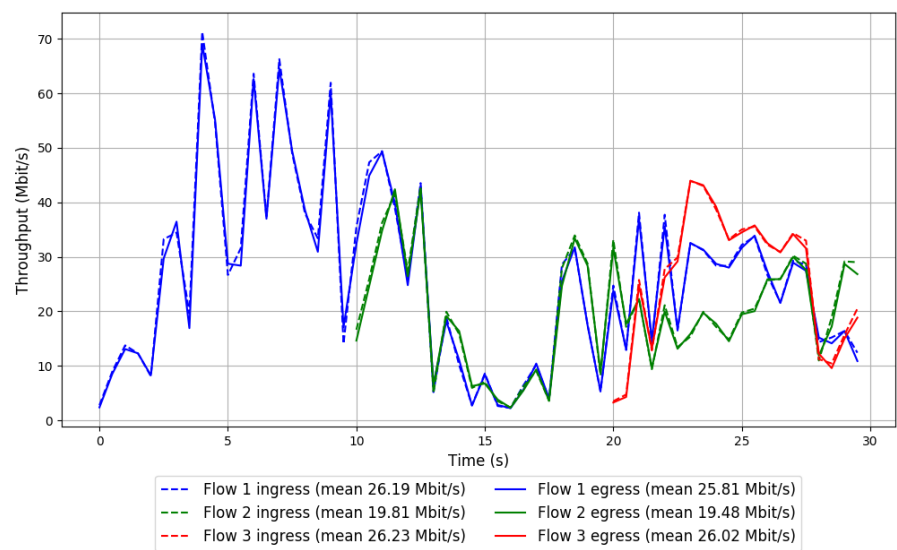


Run 3: Statistics of Copa

Start at: 2018-02-04 18:20:17
End at: 2018-02-04 18:20:47
Local clock offset: 0.366 ms
Remote clock offset: -4.364 ms

Below is generated by plot.py at 2018-02-05 02:24:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 47.39 Mbit/s
95th percentile per-packet one-way delay: 31.811 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 25.81 Mbit/s
95th percentile per-packet one-way delay: 31.778 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 19.48 Mbit/s
95th percentile per-packet one-way delay: 31.855 ms
Loss rate: 1.94%
-- Flow 3:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 31.917 ms
Loss rate: 1.33%

Run 3: Report of Copa — Data Link

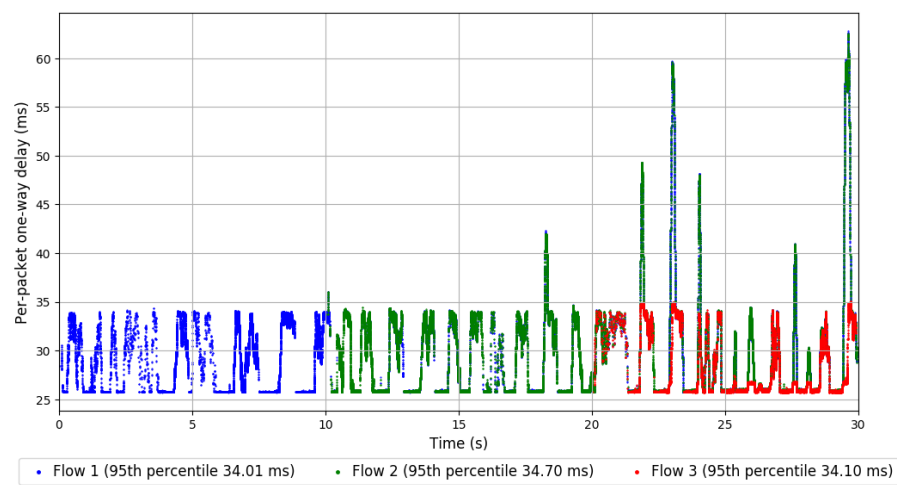
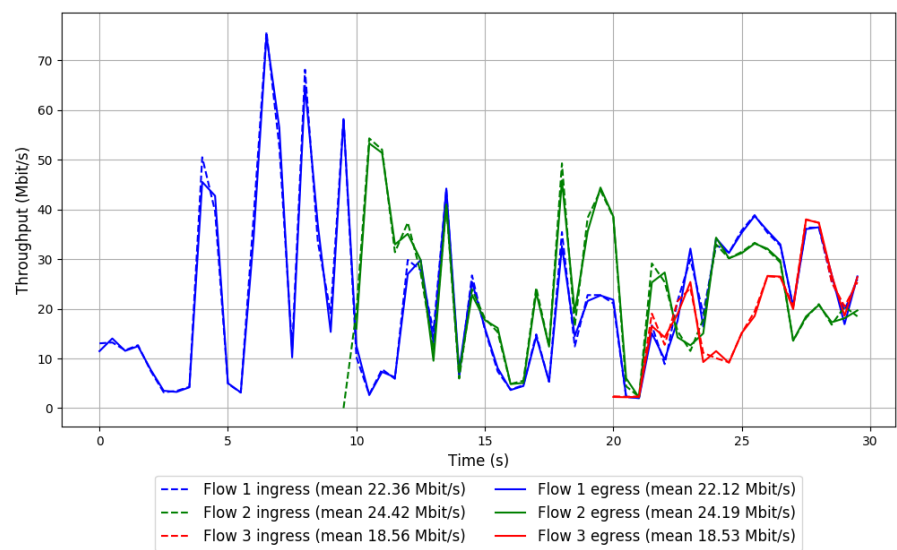


Run 4: Statistics of Copa

Start at: 2018-02-04 18:47:47
End at: 2018-02-04 18:48:17
Local clock offset: 0.297 ms
Remote clock offset: -5.757 ms

Below is generated by plot.py at 2018-02-05 02:24:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 34.160 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 22.12 Mbit/s
95th percentile per-packet one-way delay: 34.007 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 24.19 Mbit/s
95th percentile per-packet one-way delay: 34.700 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 18.53 Mbit/s
95th percentile per-packet one-way delay: 34.098 ms
Loss rate: 1.09%

Run 4: Report of Copa — Data Link

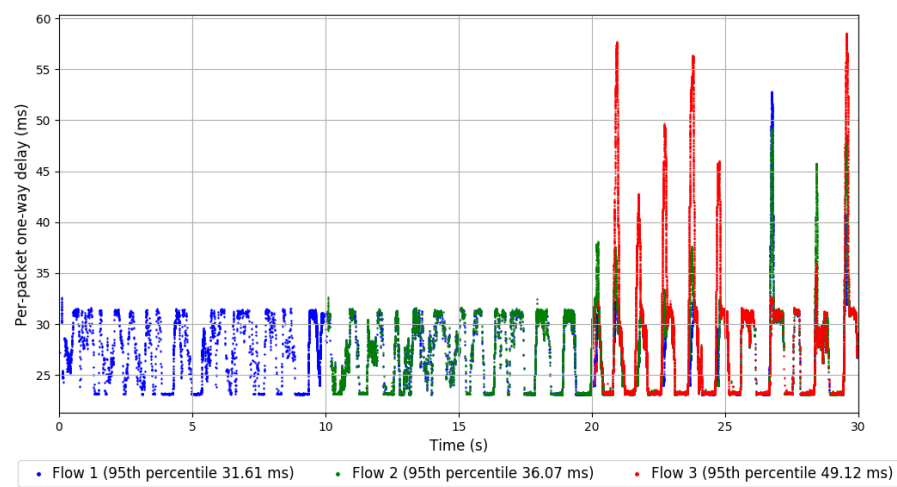
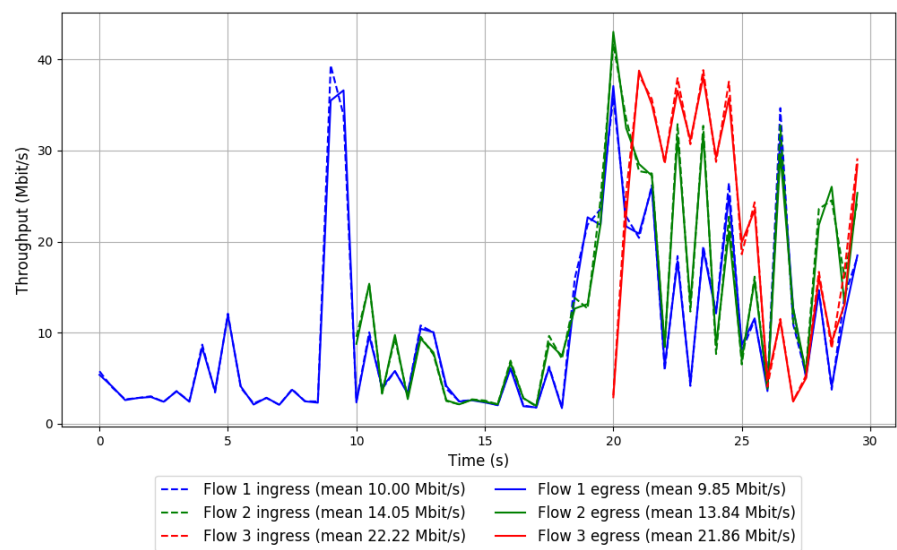


Run 5: Statistics of Copa

Start at: 2018-02-04 19:16:34
End at: 2018-02-04 19:17:04
Local clock offset: 0.216 ms
Remote clock offset: -2.664 ms

Below is generated by plot.py at 2018-02-05 02:24:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 38.671 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 9.85 Mbit/s
95th percentile per-packet one-way delay: 31.611 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 36.071 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 49.115 ms
Loss rate: 2.07%

Run 5: Report of Copa — Data Link

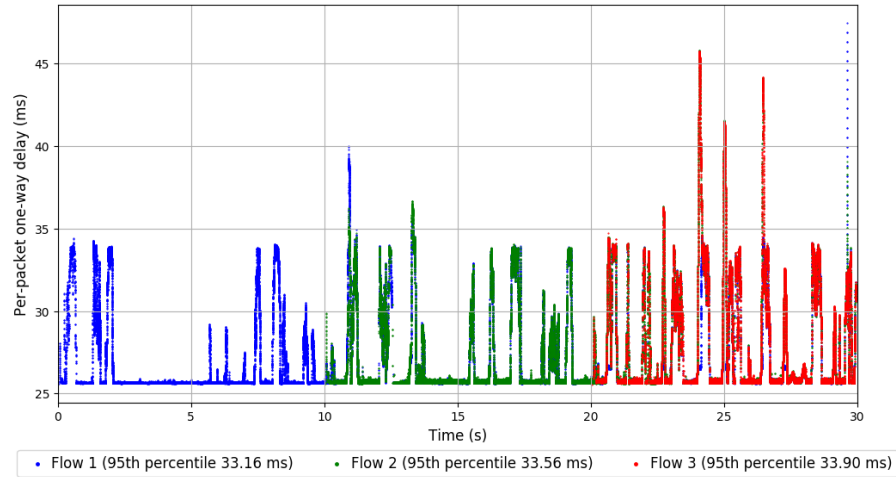
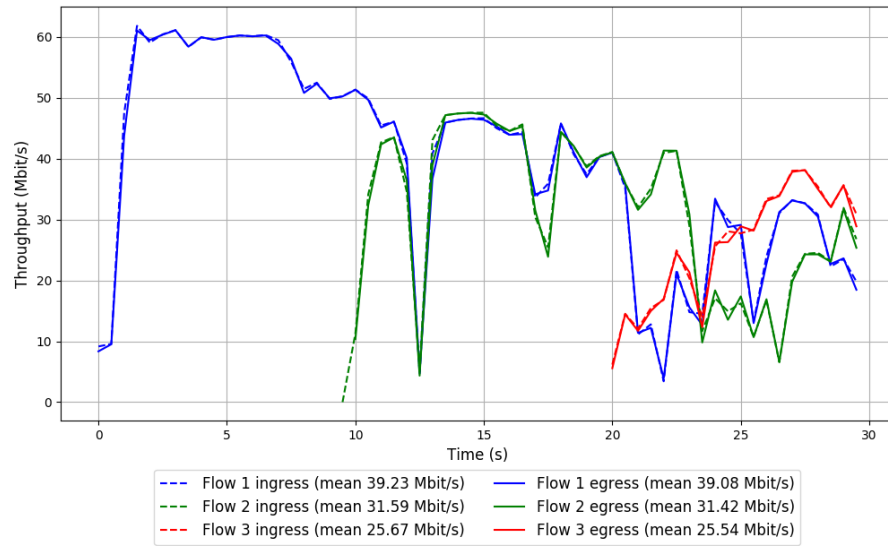


Run 6: Statistics of Copa

Start at: 2018-02-04 19:42:26
End at: 2018-02-04 19:42:56
Local clock offset: 0.509 ms
Remote clock offset: -5.977 ms

Below is generated by plot.py at 2018-02-05 02:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.45 Mbit/s
95th percentile per-packet one-way delay: 33.457 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 33.158 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 33.562 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 25.54 Mbit/s
95th percentile per-packet one-way delay: 33.903 ms
Loss rate: 1.06%

Run 6: Report of Copa — Data Link

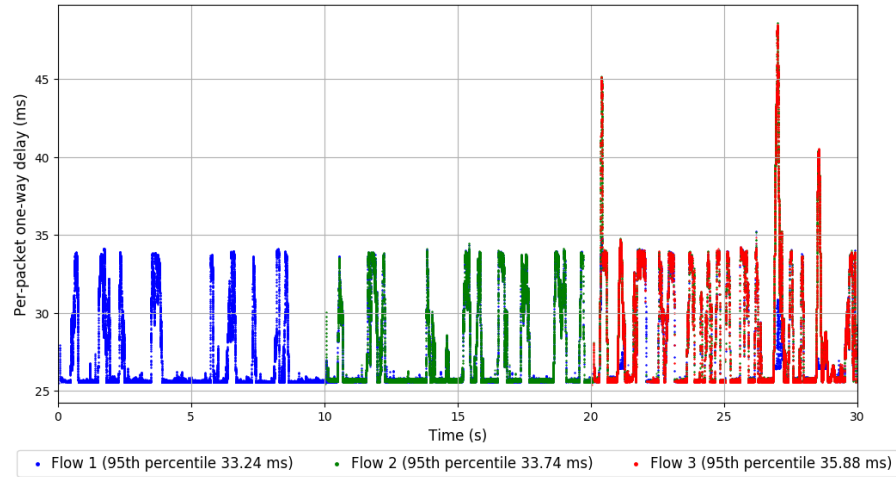
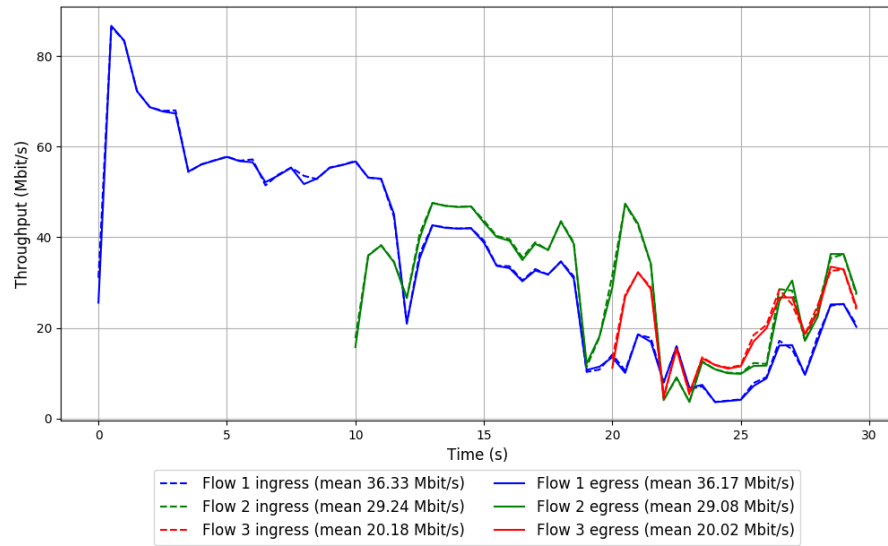


Run 7: Statistics of Copa

Start at: 2018-02-04 20:07:47
End at: 2018-02-04 20:08:17
Local clock offset: 0.492 ms
Remote clock offset: -5.817 ms

Below is generated by plot.py at 2018-02-05 02:25:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 33.597 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 33.244 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 33.736 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 35.879 ms
Loss rate: 1.33%

Run 7: Report of Copa — Data Link

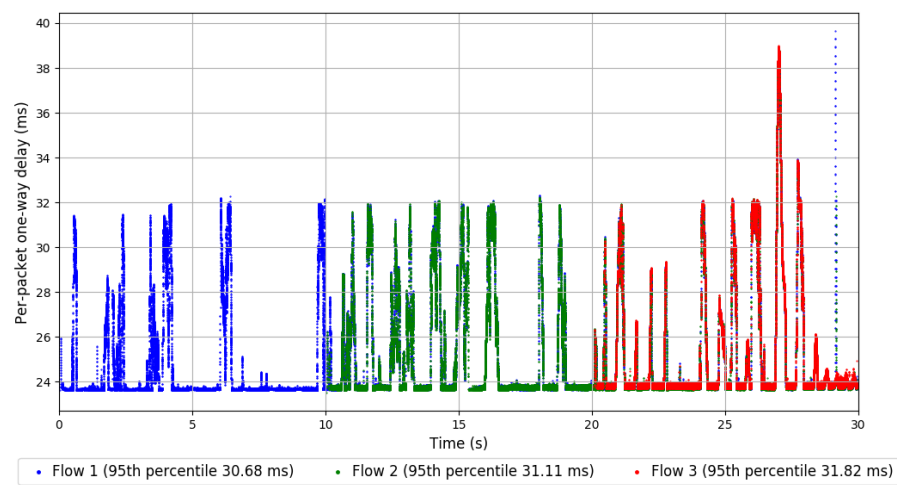
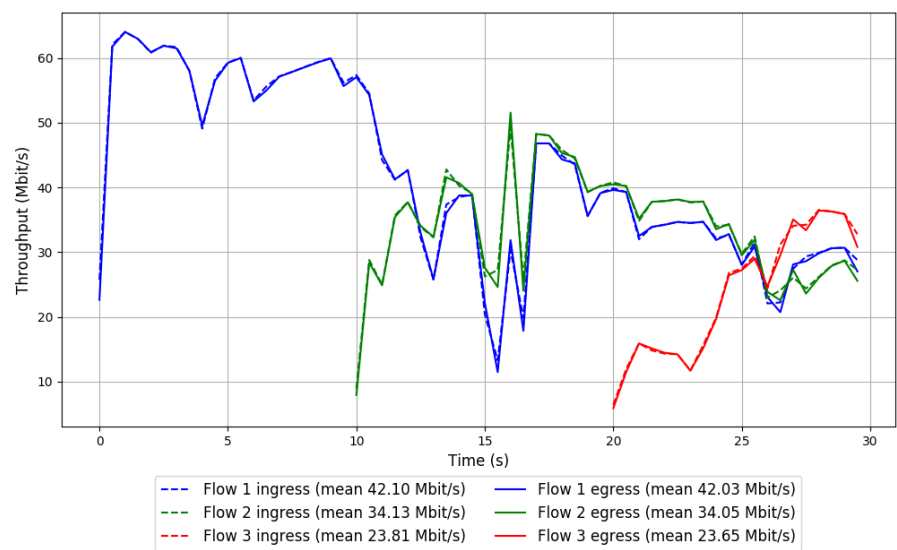


Run 8: Statistics of Copa

Start at: 2018-02-04 20:32:40
End at: 2018-02-04 20:33:10
Local clock offset: 0.521 ms
Remote clock offset: -3.687 ms

Below is generated by plot.py at 2018-02-05 02:25:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.52 Mbit/s
95th percentile per-packet one-way delay: 30.975 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 30.676 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 31.108 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 31.820 ms
Loss rate: 1.16%

Run 8: Report of Copa — Data Link

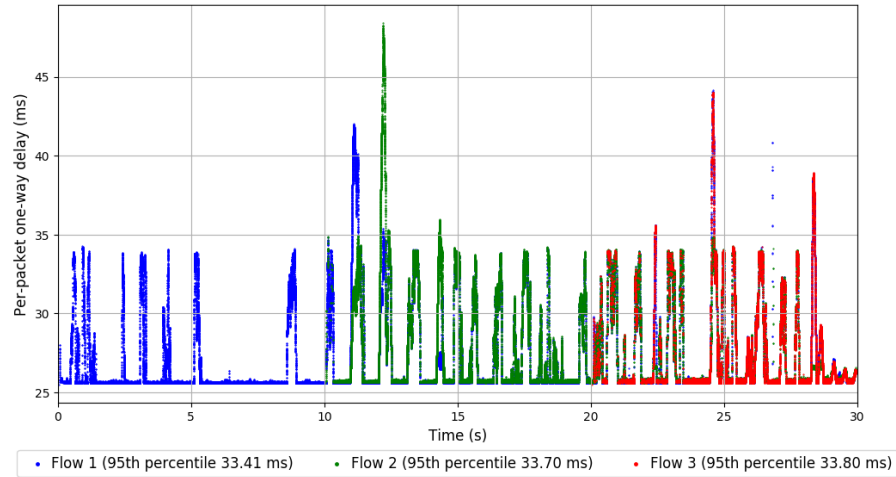
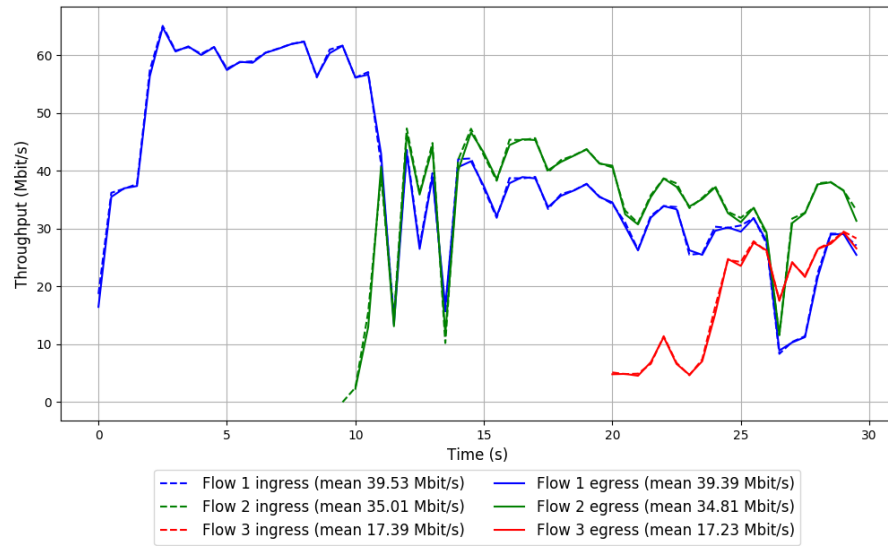


Run 9: Statistics of Copa

Start at: 2018-02-04 20:58:10
End at: 2018-02-04 20:58:40
Local clock offset: 0.139 ms
Remote clock offset: -5.916 ms

Below is generated by plot.py at 2018-02-05 02:25:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 33.567 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 39.39 Mbit/s
95th percentile per-packet one-way delay: 33.411 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 34.81 Mbit/s
95th percentile per-packet one-way delay: 33.704 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 17.23 Mbit/s
95th percentile per-packet one-way delay: 33.805 ms
Loss rate: 1.47%

Run 9: Report of Copa — Data Link

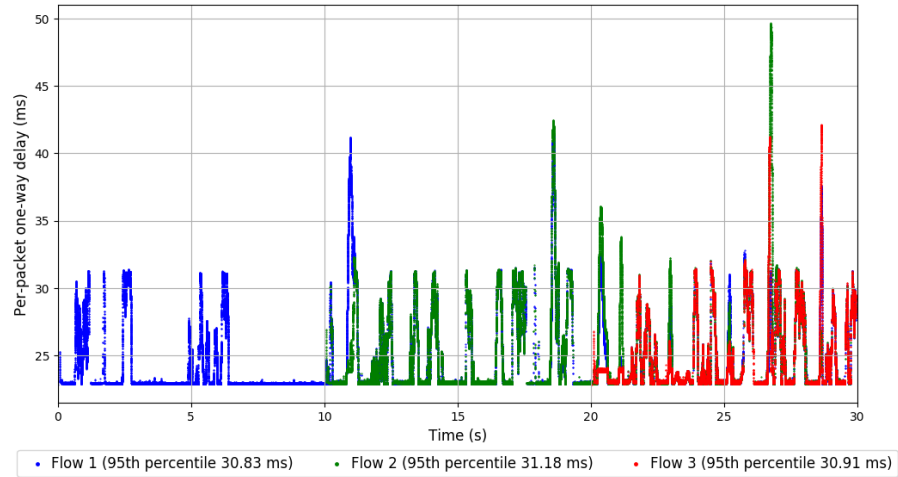
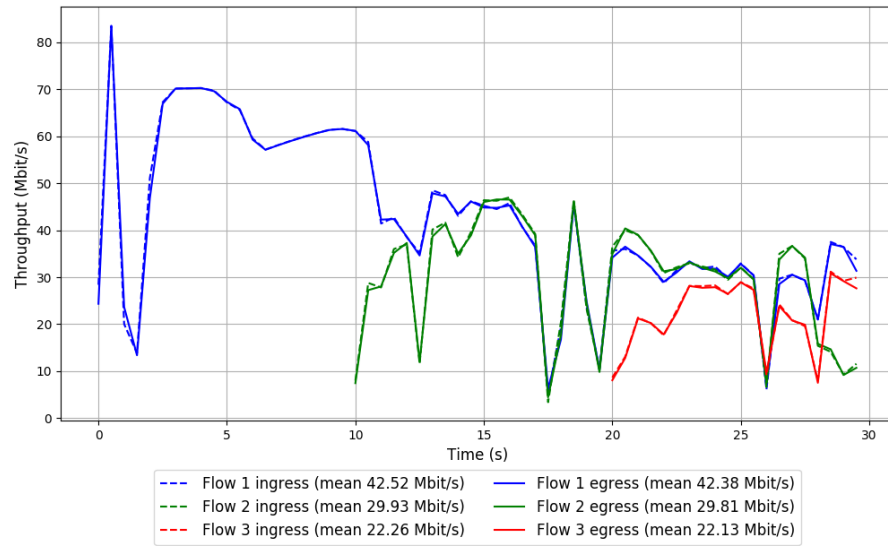


Run 10: Statistics of Copa

Start at: 2018-02-04 21:23:59
End at: 2018-02-04 21:24:29
Local clock offset: 0.367 ms
Remote clock offset: -4.193 ms

Below is generated by plot.py at 2018-02-05 02:25:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 30.976 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 42.38 Mbit/s
95th percentile per-packet one-way delay: 30.830 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 22.13 Mbit/s
95th percentile per-packet one-way delay: 30.905 ms
Loss rate: 1.12%

Run 10: Report of Copa — Data Link

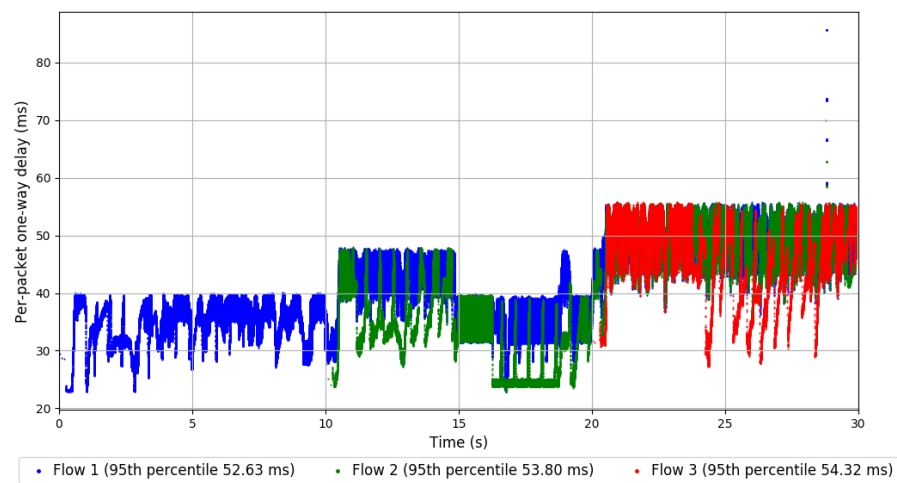
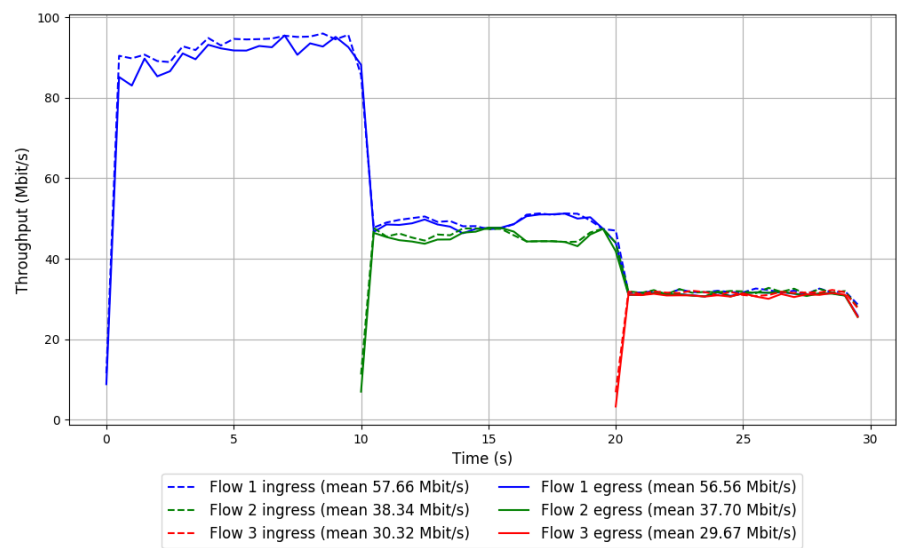


```
Run 1: Statistics of FillP

Start at: 2018-02-04 17:44:06
End at: 2018-02-04 17:44:36
Local clock offset: 0.345 ms
Remote clock offset: -3.234 ms

# Below is generated by plot.py at 2018-02-05 02:26:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 53.447 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 52.635 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 53.799 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 54.323 ms
Loss rate: 2.75%
```


Run 1: Report of FillP — Data Link

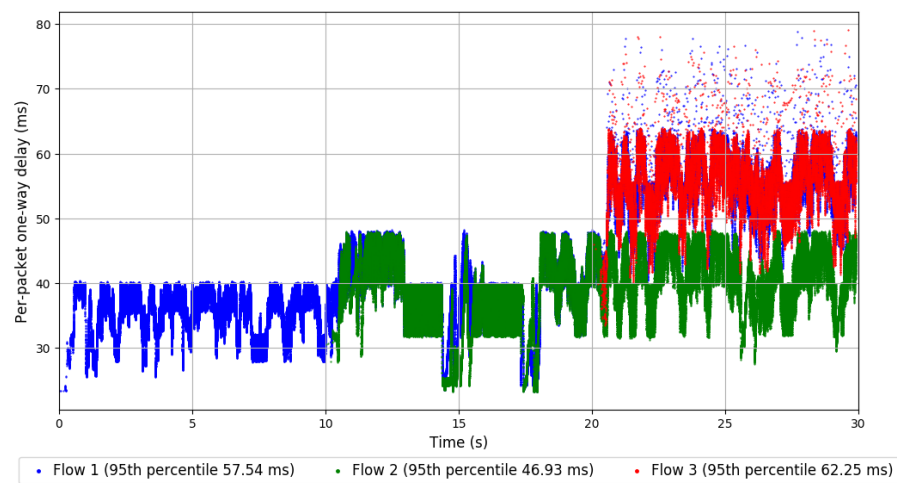
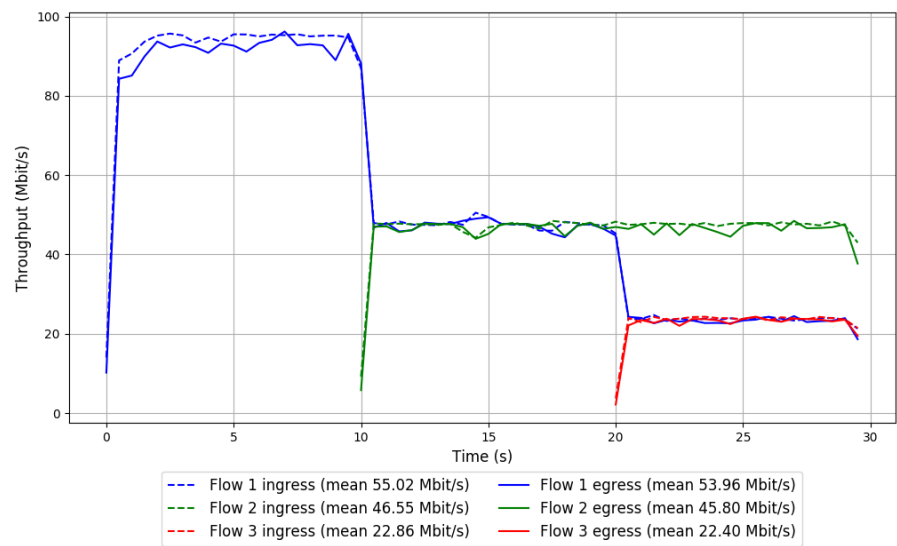


Run 2: Statistics of FillP

Start at: 2018-02-04 18:11:40
End at: 2018-02-04 18:12:10
Local clock offset: 0.378 ms
Remote clock offset: -4.599 ms

Below is generated by plot.py at 2018-02-05 02:26:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 58.145 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 53.96 Mbit/s
95th percentile per-packet one-way delay: 57.542 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 46.934 ms
Loss rate: 1.95%
-- Flow 3:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 62.249 ms
Loss rate: 2.94%

Run 2: Report of FillP — Data Link

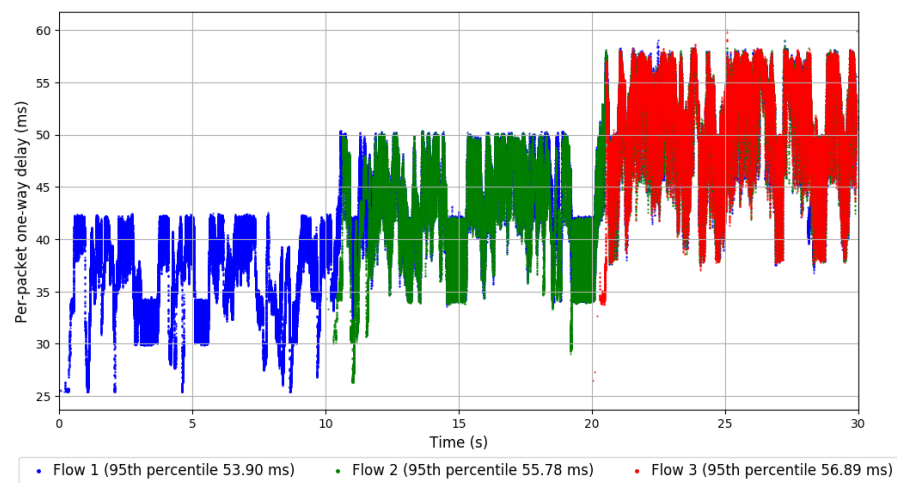
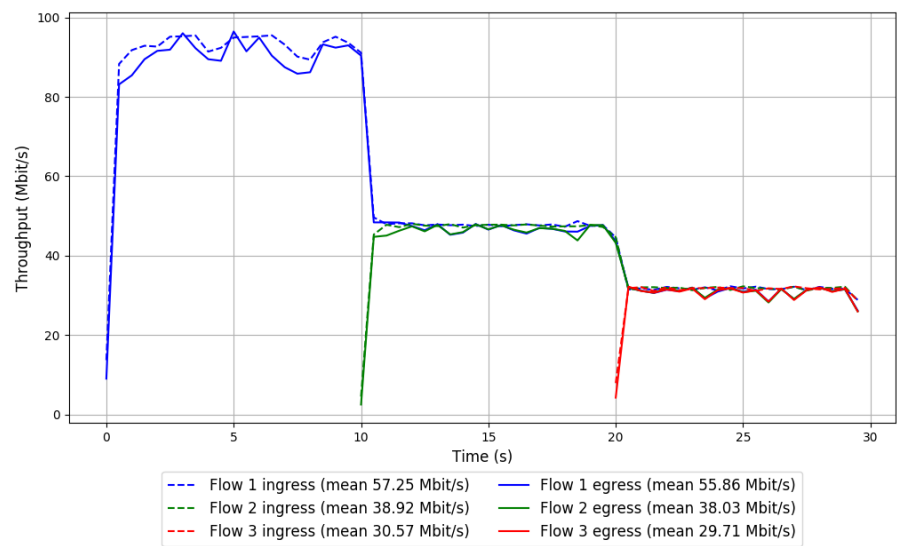


Run 3: Statistics of FillP

Start at: 2018-02-04 18:38:54
End at: 2018-02-04 18:39:24
Local clock offset: 0.208 ms
Remote clock offset: -6.085 ms

Below is generated by plot.py at 2018-02-05 02:26:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 55.472 ms
Loss rate: 2.70%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 53.895 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 55.781 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 29.71 Mbit/s
95th percentile per-packet one-way delay: 56.887 ms
Loss rate: 3.35%

Run 3: Report of FillP — Data Link

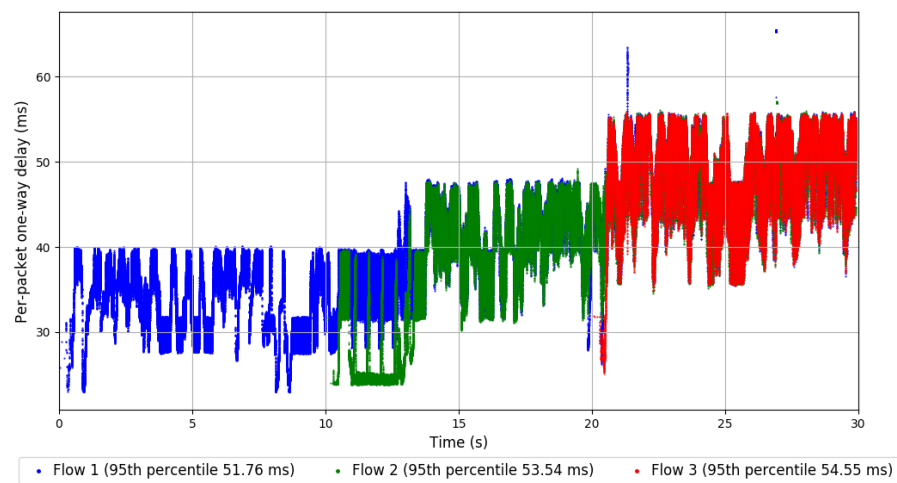
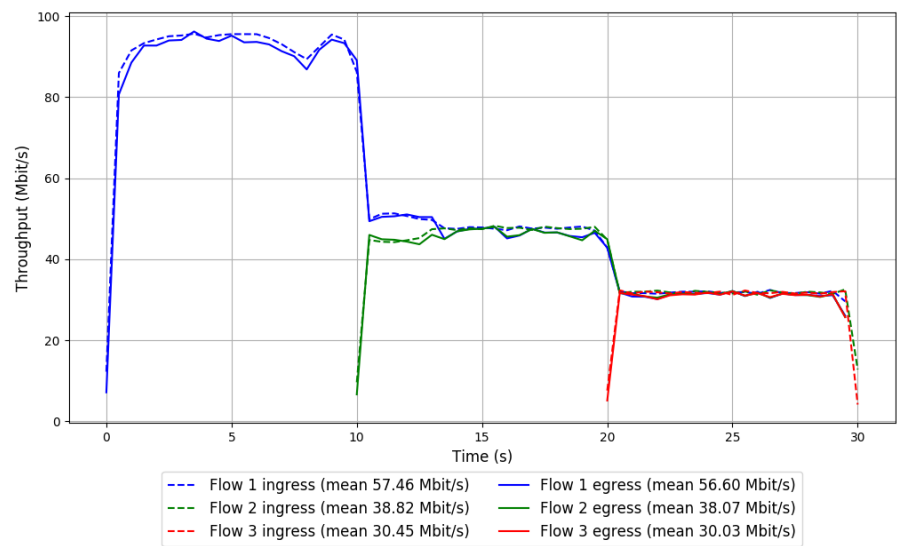


Run 4: Statistics of FillP

Start at: 2018-02-04 19:07:23
End at: 2018-02-04 19:07:53
Local clock offset: 0.214 ms
Remote clock offset: -2.631 ms

Below is generated by plot.py at 2018-02-05 02:28:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 53.284 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 51.763 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 53.542 ms
Loss rate: 3.08%
-- Flow 3:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 54.545 ms
Loss rate: 3.72%

Run 4: Report of FillP — Data Link

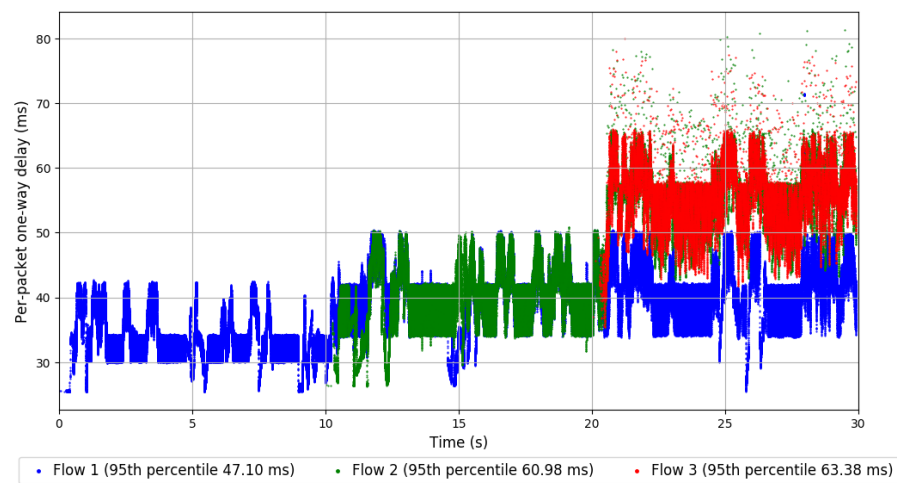
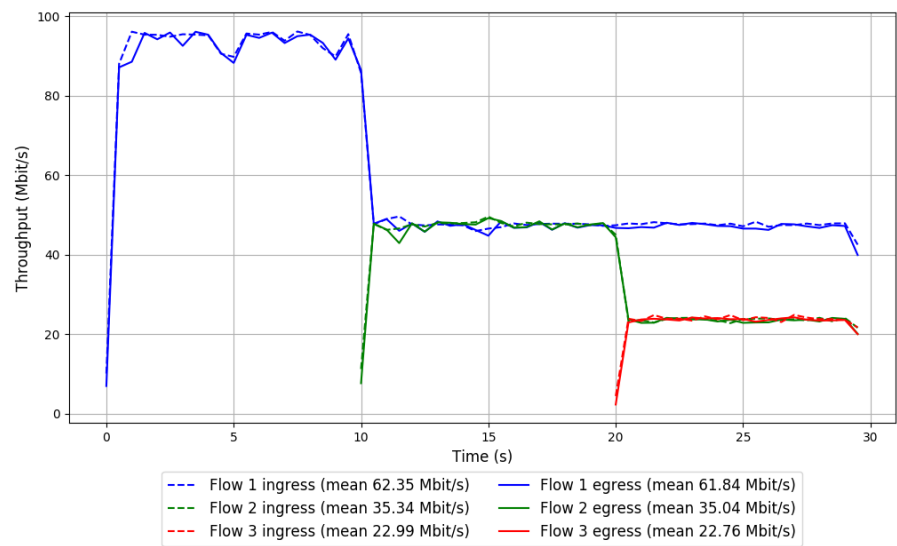


Run 5: Statistics of FillP

Start at: 2018-02-04 19:34:06
End at: 2018-02-04 19:34:36
Local clock offset: 0.448 ms
Remote clock offset: -5.719 ms

Below is generated by plot.py at 2018-02-05 02:28:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 57.888 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 47.099 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 60.982 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 22.76 Mbit/s
95th percentile per-packet one-way delay: 63.382 ms
Loss rate: 1.90%

Run 5: Report of FillP — Data Link

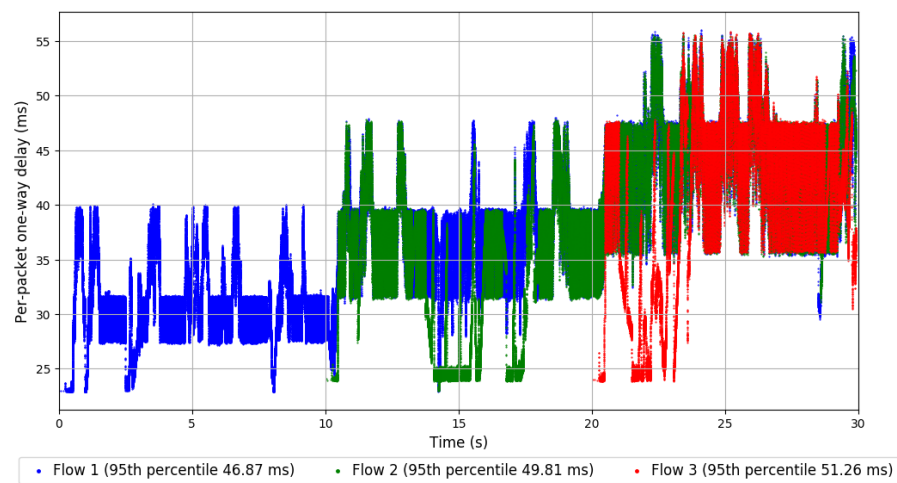
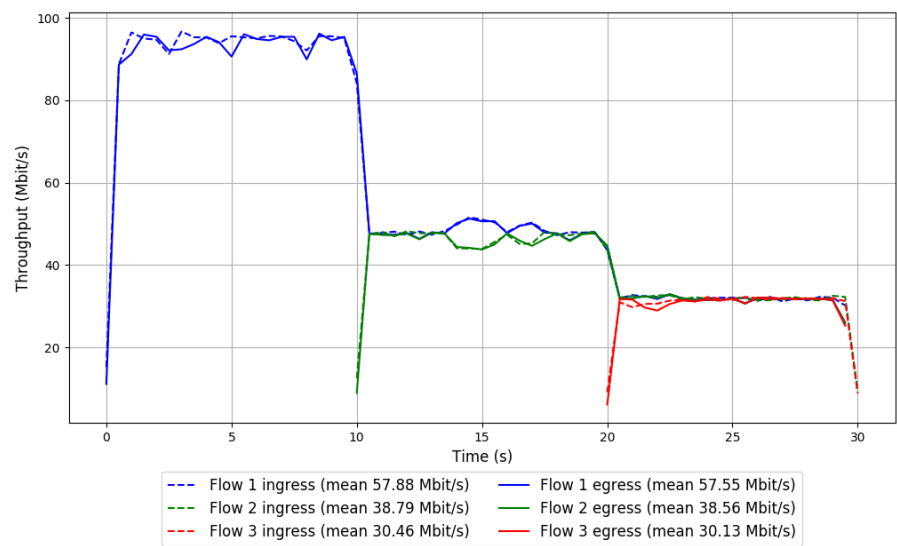


Run 6: Statistics of FillP

Start at: 2018-02-04 19:59:35
End at: 2018-02-04 20:00:05
Local clock offset: 0.559 ms
Remote clock offset: -3.248 ms

Below is generated by plot.py at 2018-02-05 02:28:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 48.480 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 57.55 Mbit/s
95th percentile per-packet one-way delay: 46.865 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 38.56 Mbit/s
95th percentile per-packet one-way delay: 49.815 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 30.13 Mbit/s
95th percentile per-packet one-way delay: 51.264 ms
Loss rate: 3.38%

Run 6: Report of FillP — Data Link

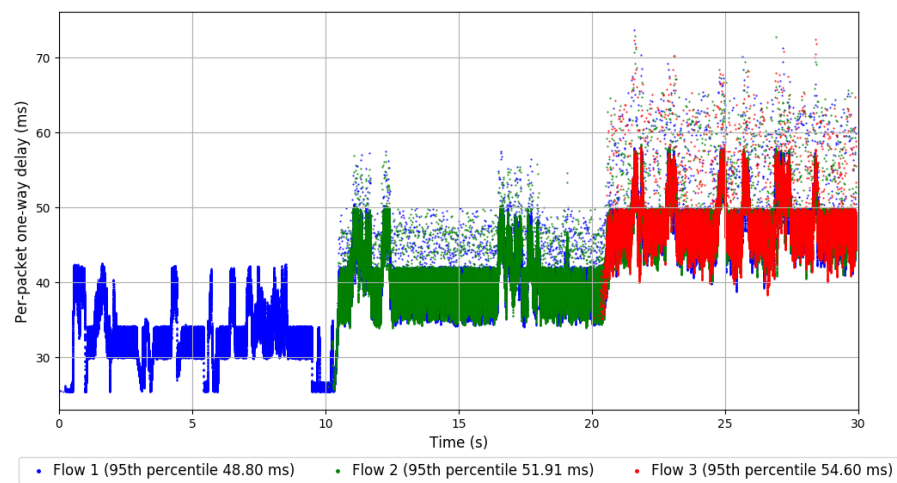
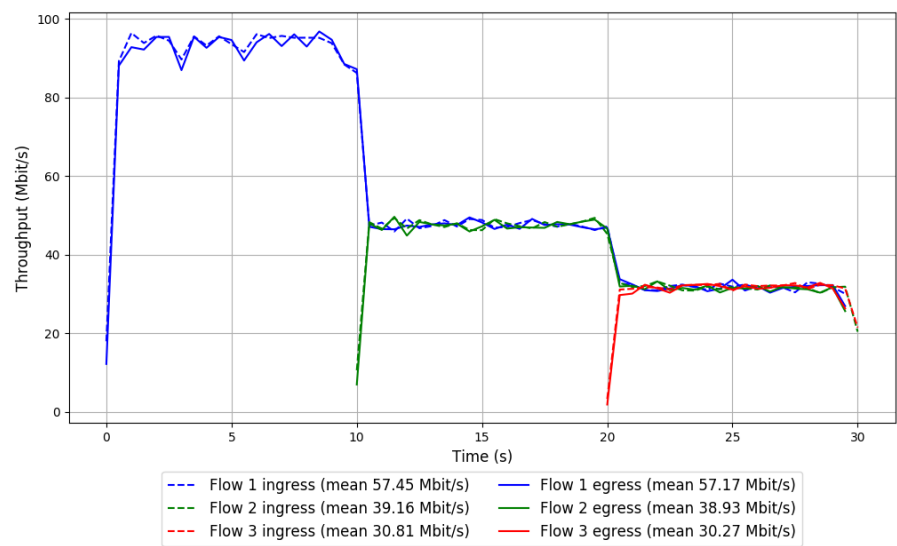


Run 7: Statistics of FillP

Start at: 2018-02-04 20:24:36
End at: 2018-02-04 20:25:06
Local clock offset: 0.572 ms
Remote clock offset: -5.761 ms

Below is generated by plot.py at 2018-02-05 02:28:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 50.968 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 57.17 Mbit/s
95th percentile per-packet one-way delay: 48.802 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 51.913 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 54.600 ms
Loss rate: 5.29%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-02-04 20:49:51

End at: 2018-02-04 20:50:21

Local clock offset: 0.182 ms

Remote clock offset: -3.17 ms

Below is generated by plot.py at 2018-02-05 02:28:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 50.155 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 56.67 Mbit/s

95th percentile per-packet one-way delay: 47.158 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 38.74 Mbit/s

95th percentile per-packet one-way delay: 50.858 ms

Loss rate: 1.11%

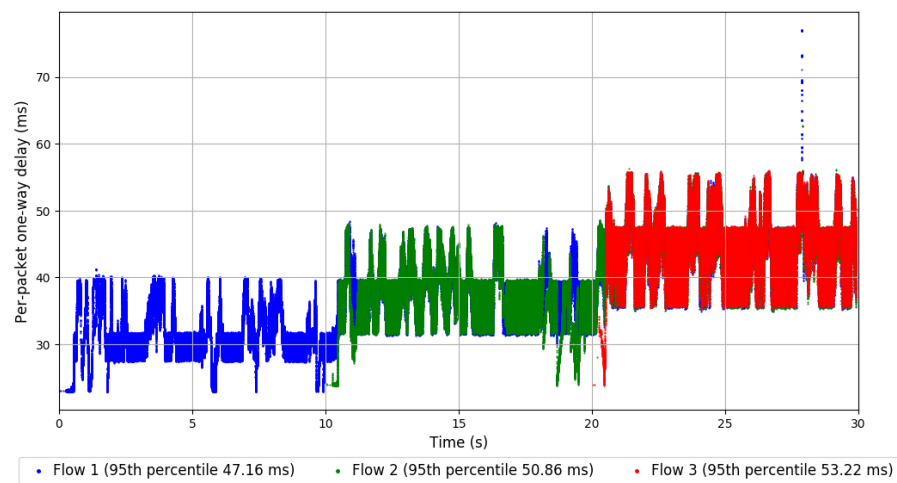
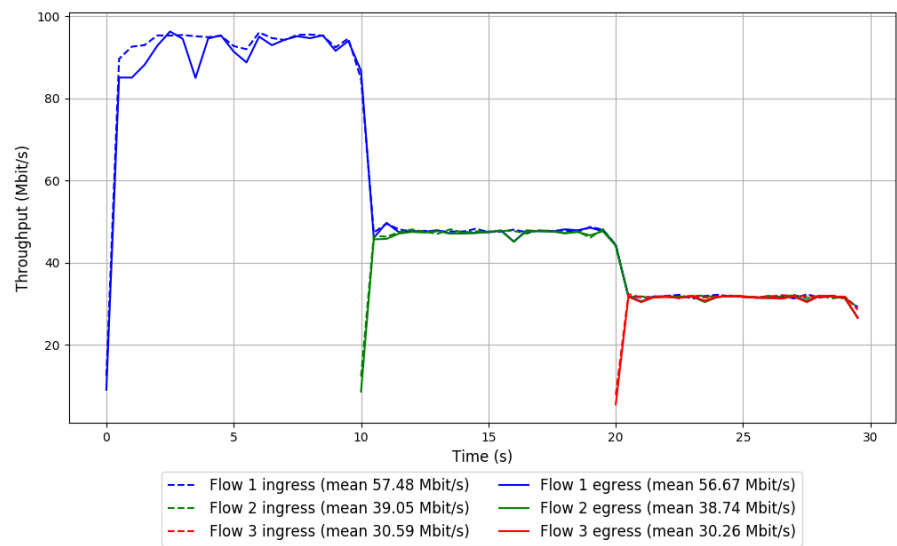
-- Flow 3:

Average throughput: 30.26 Mbit/s

95th percentile per-packet one-way delay: 53.218 ms

Loss rate: 1.61%

Run 8: Report of FillP — Data Link

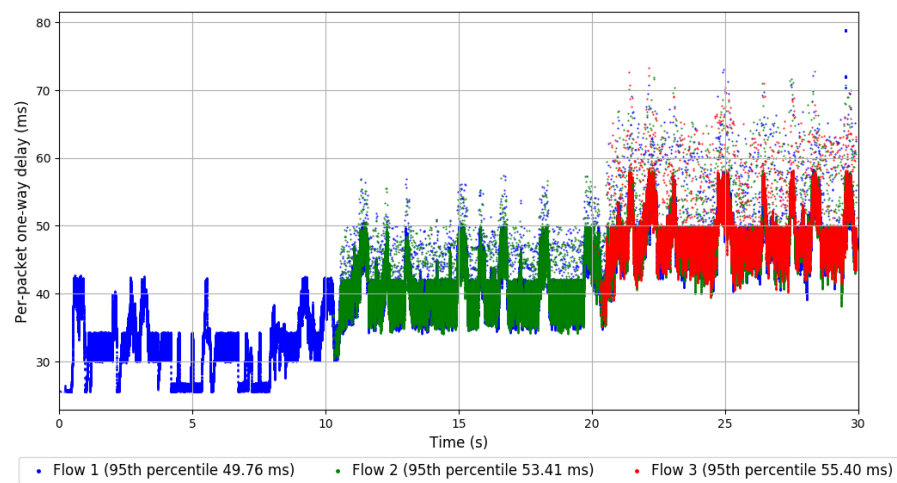
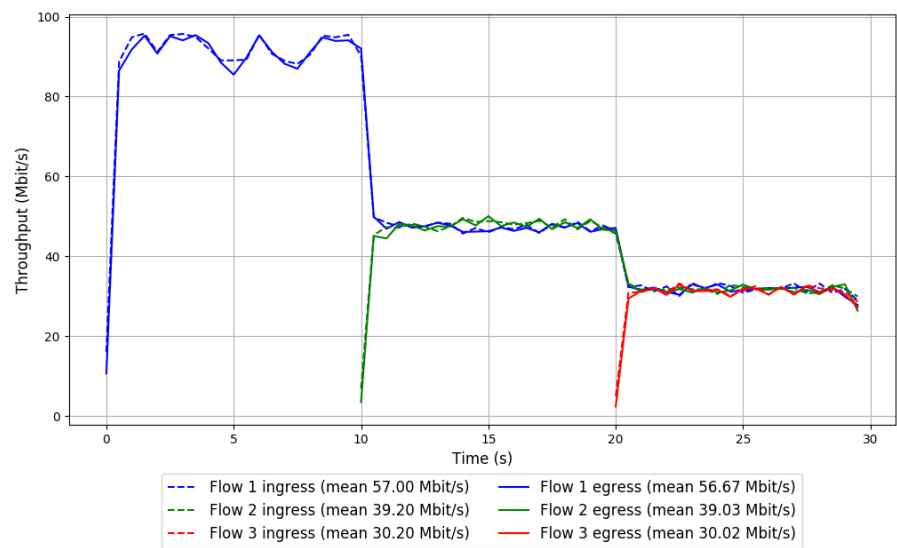


Run 9: Statistics of FillP

Start at: 2018-02-04 21:15:38
End at: 2018-02-04 21:16:08
Local clock offset: 0.414 ms
Remote clock offset: -6.593 ms

Below is generated by plot.py at 2018-02-05 02:29:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.50 Mbit/s
95th percentile per-packet one-way delay: 52.740 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 49.764 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 53.407 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 55.402 ms
Loss rate: 1.40%

Run 9: Report of FillP — Data Link

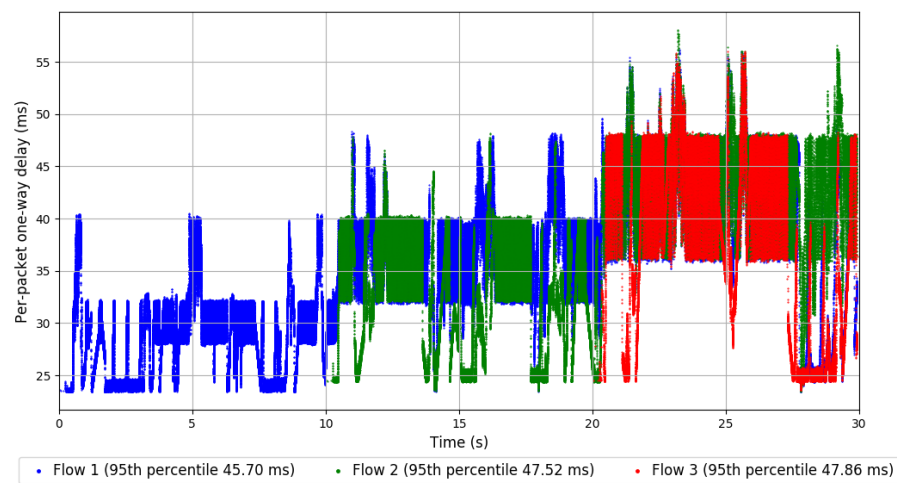
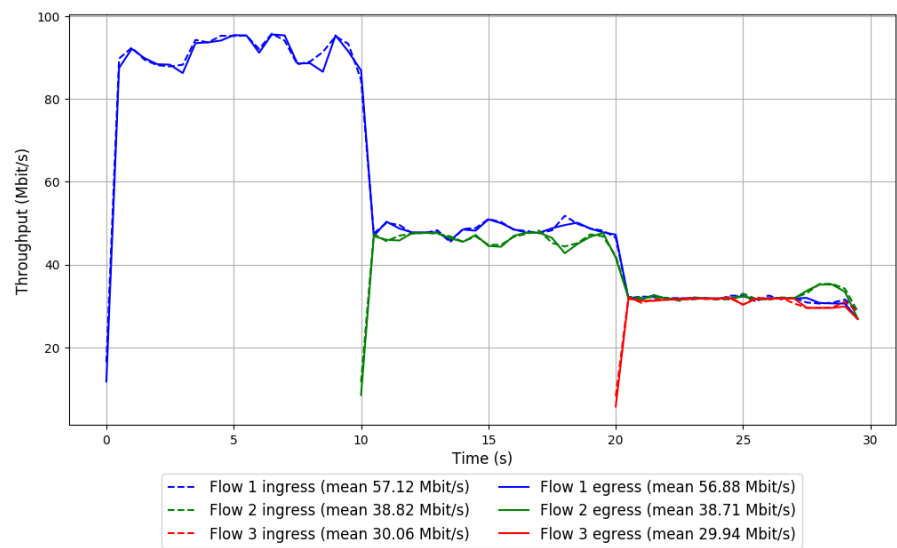


Run 10: Statistics of FillP

Start at: 2018-02-04 21:41:08
End at: 2018-02-04 21:41:38
Local clock offset: 0.294 ms
Remote clock offset: -5.824 ms

Below is generated by plot.py at 2018-02-05 02:29:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.52 Mbit/s
95th percentile per-packet one-way delay: 46.873 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 45.704 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 47.521 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 47.863 ms
Loss rate: 0.87%

Run 10: Report of FillP — Data Link

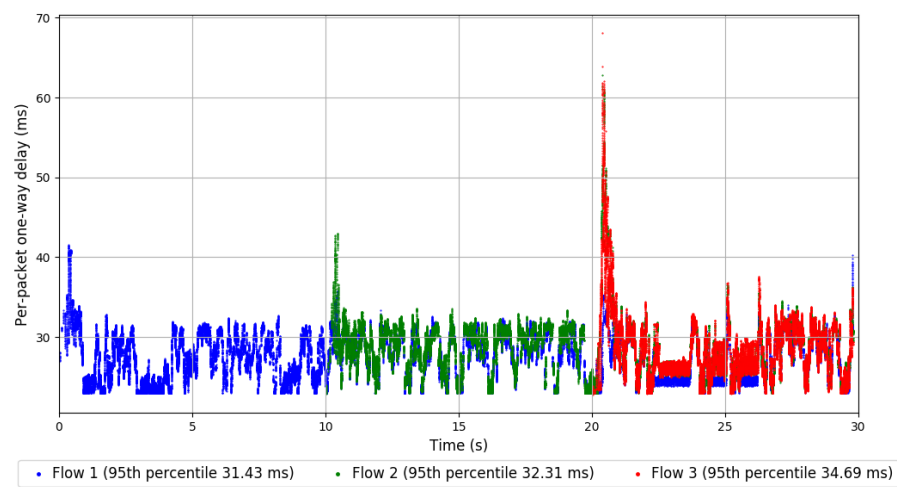
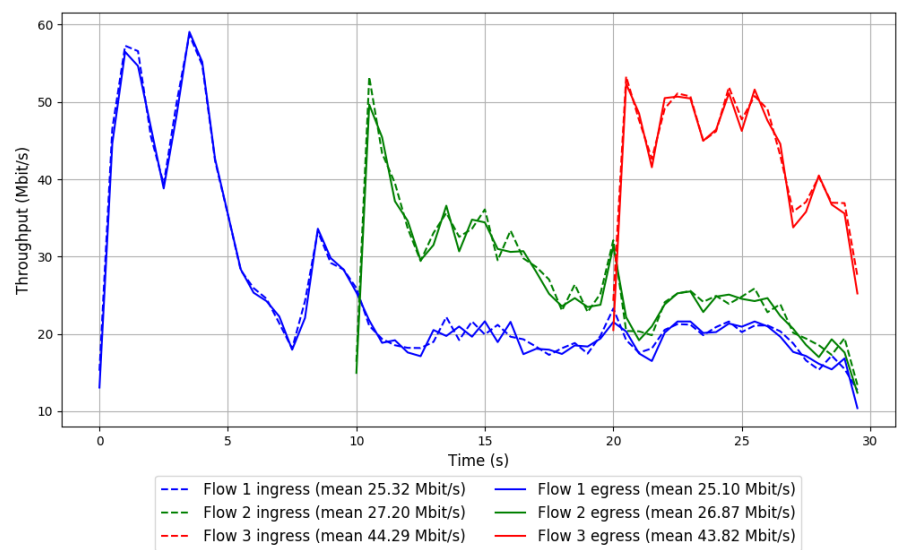


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-04 17:41:03
End at: 2018-02-04 17:41:33
Local clock offset: 0.246 ms
Remote clock offset: -2.975 ms

Below is generated by plot.py at 2018-02-05 02:29:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 32.202 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 25.10 Mbit/s
95th percentile per-packet one-way delay: 31.432 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 32.310 ms
Loss rate: 1.47%
-- Flow 3:
Average throughput: 43.82 Mbit/s
95th percentile per-packet one-way delay: 34.689 ms
Loss rate: 1.43%

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

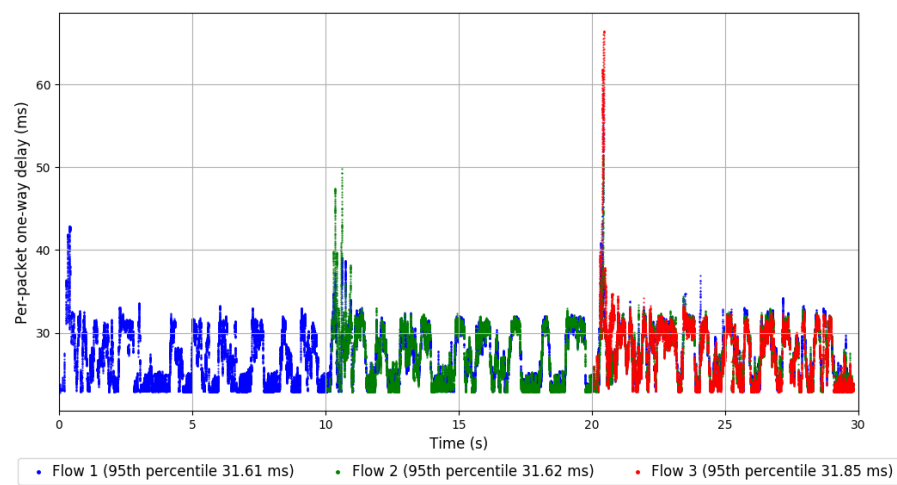
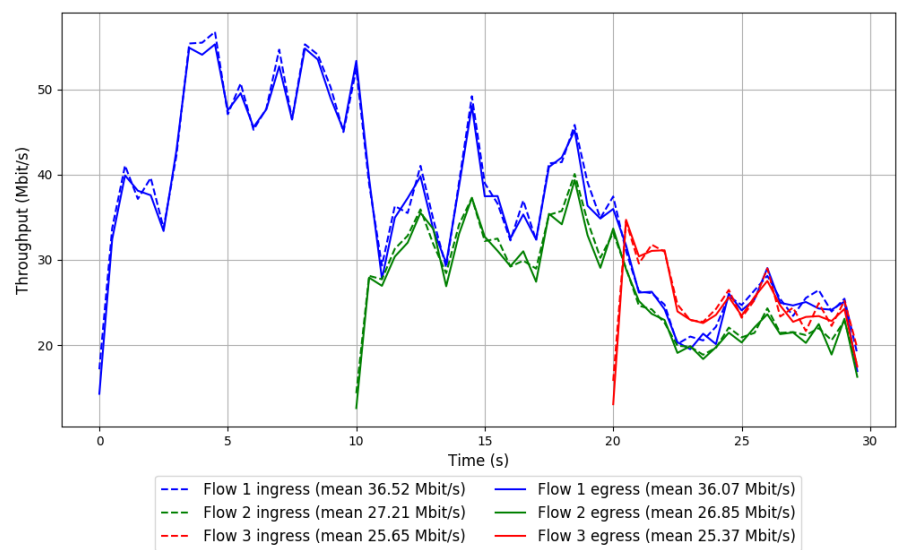


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-04 18:08:27
End at: 2018-02-04 18:08:57
Local clock offset: 0.388 ms
Remote clock offset: -4.107 ms

Below is generated by plot.py at 2018-02-05 02:29:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 31.637 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 31.607 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 31.623 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 31.851 ms
Loss rate: 1.65%

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

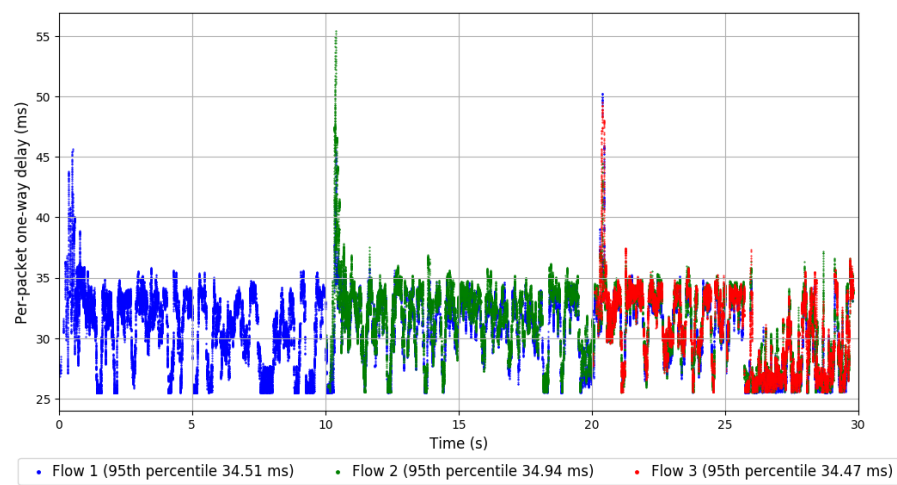
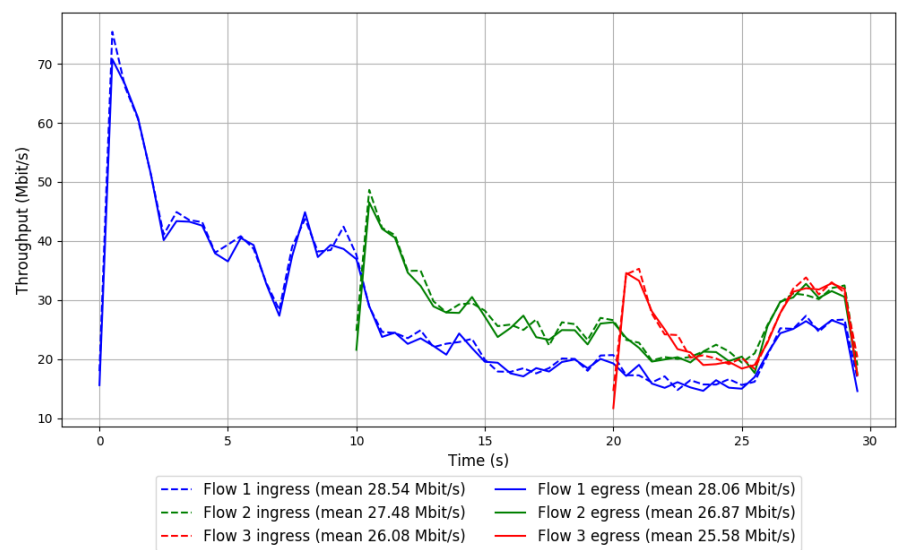


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-04 18:35:28
End at: 2018-02-04 18:35:58
Local clock offset: 0.181 ms
Remote clock offset: -6.081 ms

Below is generated by plot.py at 2018-02-05 02:29:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.25 Mbit/s
95th percentile per-packet one-way delay: 34.658 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 34.506 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 34.942 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 34.470 ms
Loss rate: 2.47%

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

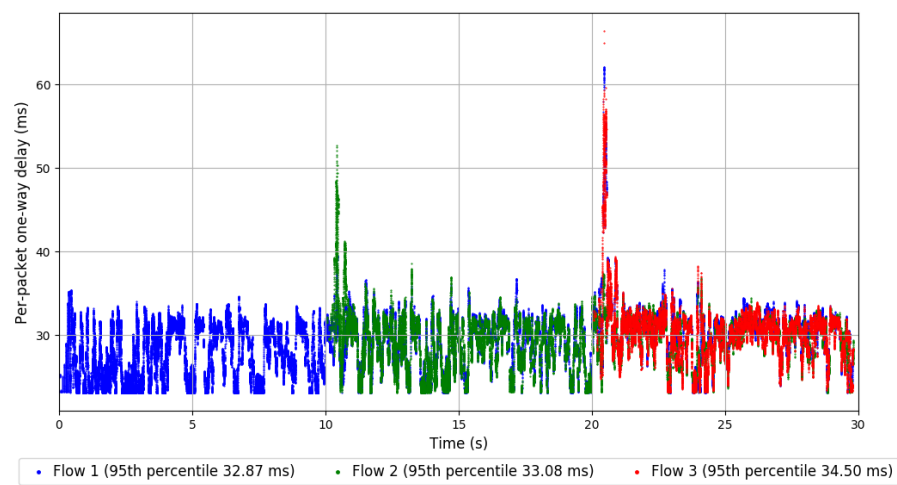
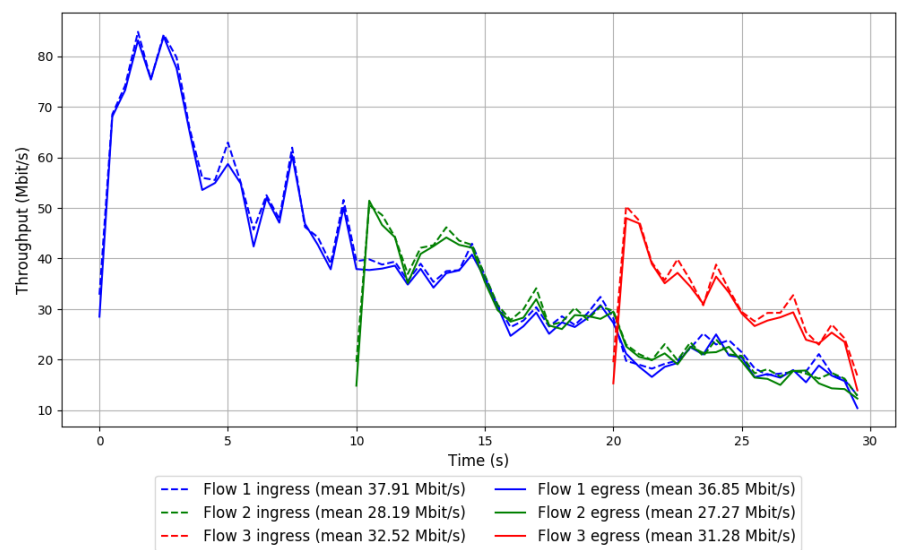


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-04 19:03:26
End at: 2018-02-04 19:03:56
Local clock offset: 0.285 ms
Remote clock offset: -2.676 ms

Below is generated by plot.py at 2018-02-05 02:29:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 33.054 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 36.85 Mbit/s
95th percentile per-packet one-way delay: 32.866 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 33.081 ms
Loss rate: 3.58%
-- Flow 3:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 34.504 ms
Loss rate: 4.41%

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

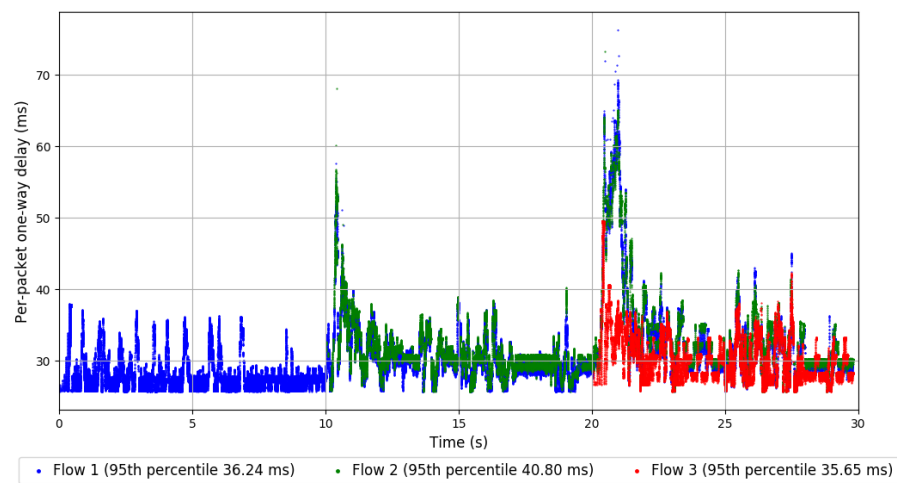
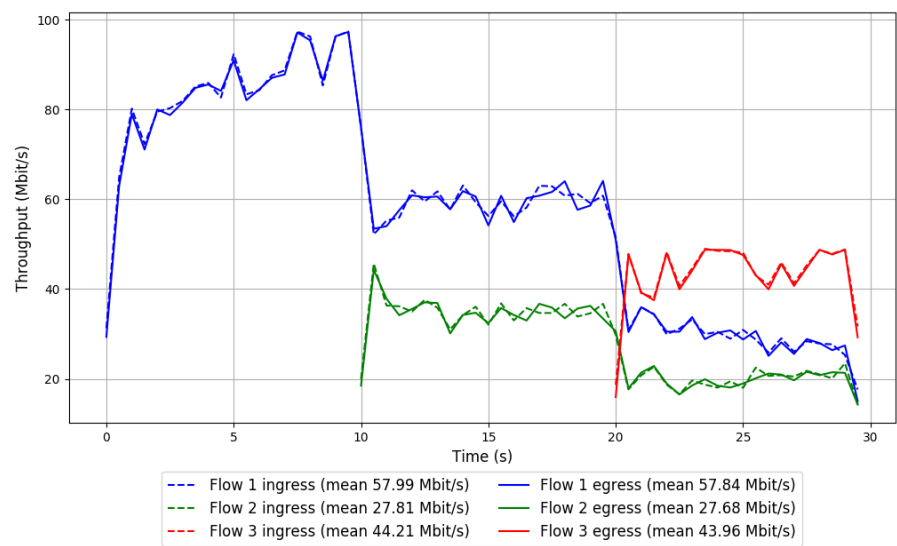


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-04 19:31:16
End at: 2018-02-04 19:31:46
Local clock offset: 0.453 ms
Remote clock offset: -5.741 ms

Below is generated by plot.py at 2018-02-05 02:29:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.55 Mbit/s
95th percentile per-packet one-way delay: 37.164 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 36.236 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 40.799 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 35.653 ms
Loss rate: 1.14%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-04 19:56:33

End at: 2018-02-04 19:57:03

Local clock offset: 0.538 ms

Remote clock offset: -3.75 ms

Below is generated by plot.py at 2018-02-05 02:29:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.30 Mbit/s

95th percentile per-packet one-way delay: 32.942 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 53.33 Mbit/s

95th percentile per-packet one-way delay: 32.498 ms

Loss rate: 1.05%

-- Flow 2:

Average throughput: 29.19 Mbit/s

95th percentile per-packet one-way delay: 33.942 ms

Loss rate: 0.99%

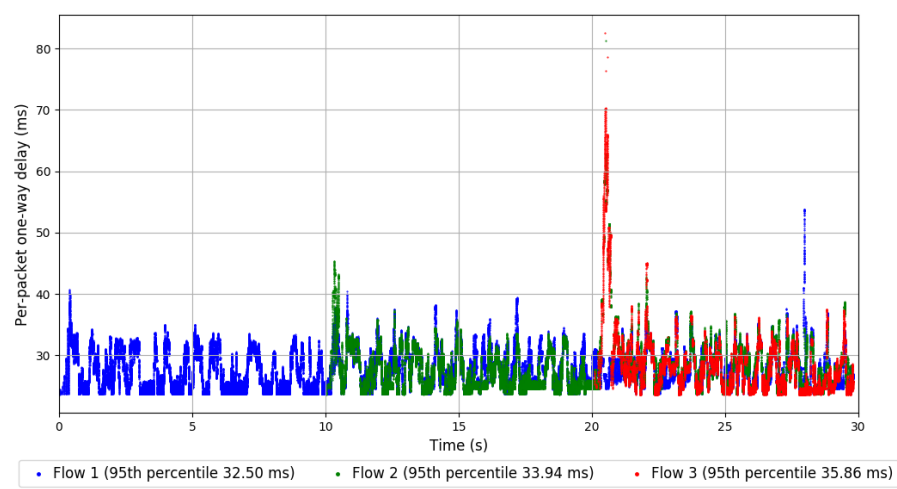
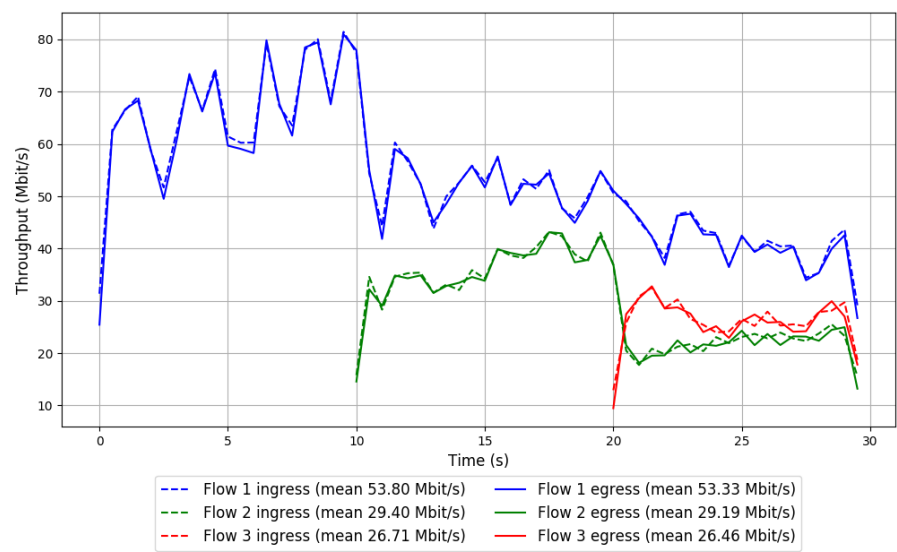
-- Flow 3:

Average throughput: 26.46 Mbit/s

95th percentile per-packet one-way delay: 35.858 ms

Loss rate: 1.50%

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

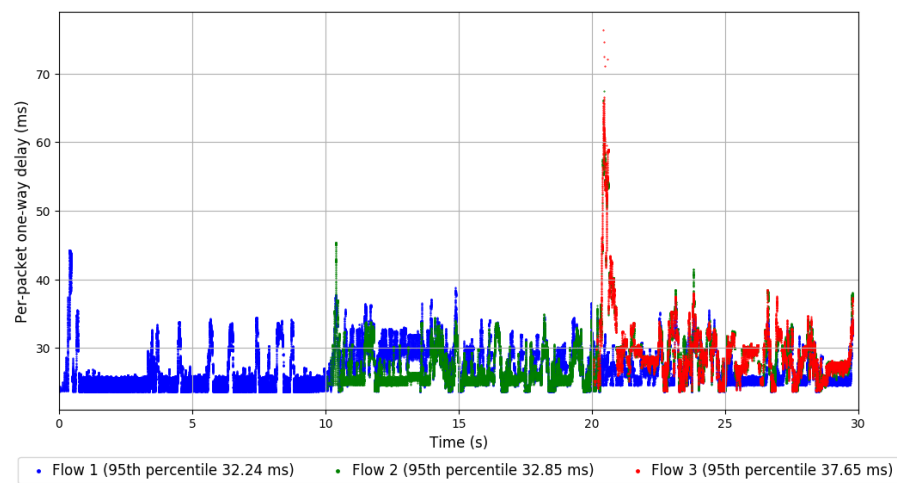
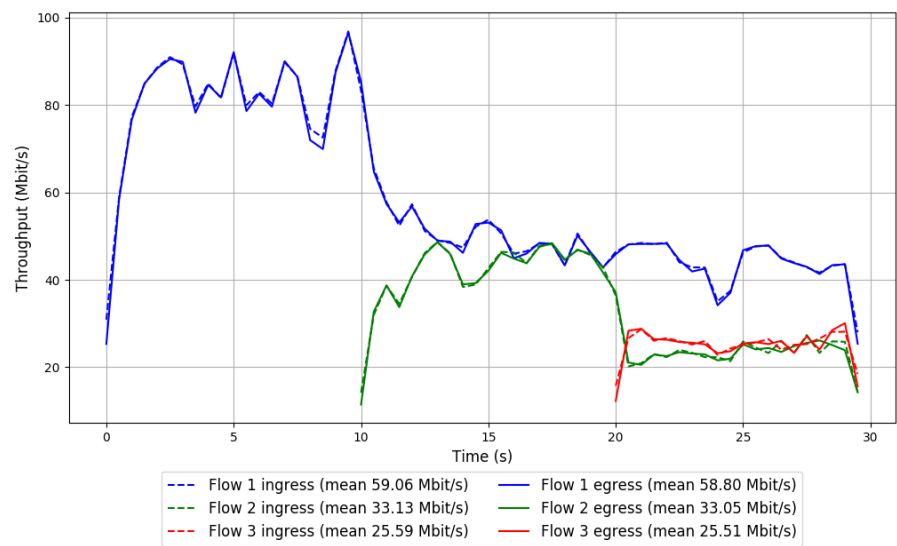


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-04 20:21:42
End at: 2018-02-04 20:22:12
Local clock offset: 0.603 ms
Remote clock offset: -3.867 ms

Below is generated by plot.py at 2018-02-05 02:29:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 32.594 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 32.240 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 32.851 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 25.51 Mbit/s
95th percentile per-packet one-way delay: 37.652 ms
Loss rate: 0.86%

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



Run 8: Statistics of Indigo-1-32

Start at: 2018-02-04 20:46:45

End at: 2018-02-04 20:47:15

Local clock offset: 0.212 ms

Remote clock offset: -3.49 ms

Below is generated by plot.py at 2018-02-05 02:29:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.71 Mbit/s

95th percentile per-packet one-way delay: 32.819 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 52.43 Mbit/s

95th percentile per-packet one-way delay: 32.775 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 37.20 Mbit/s

95th percentile per-packet one-way delay: 32.869 ms

Loss rate: 0.82%

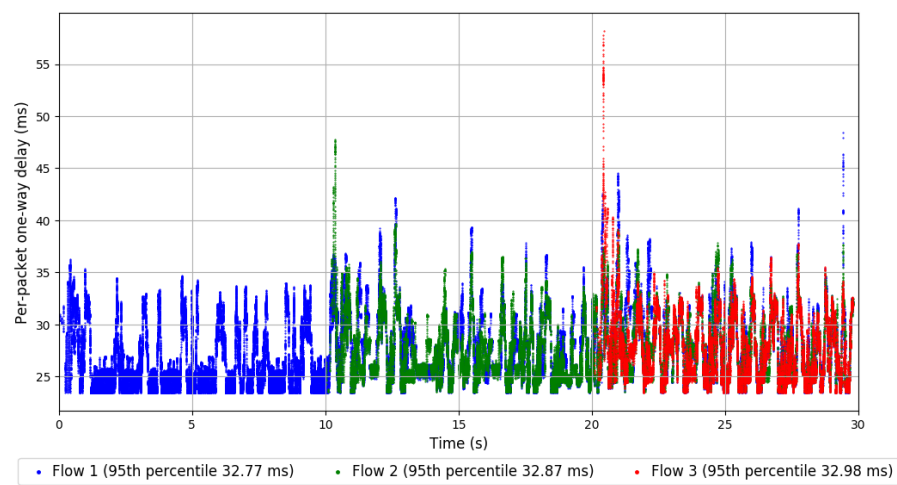
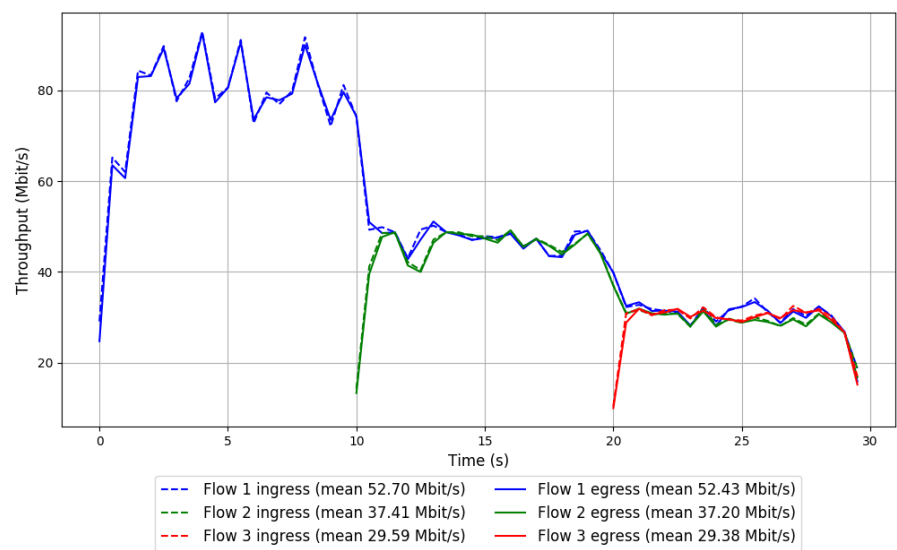
-- Flow 3:

Average throughput: 29.38 Mbit/s

95th percentile per-packet one-way delay: 32.981 ms

Loss rate: 1.24%

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

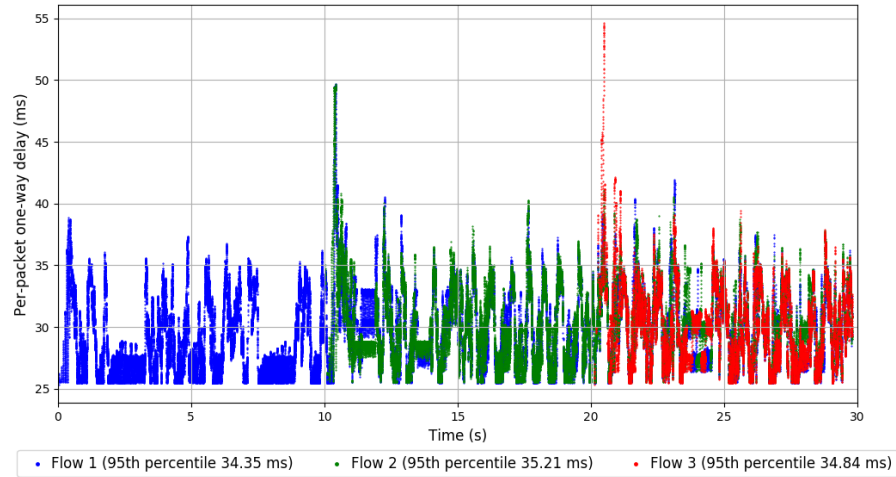
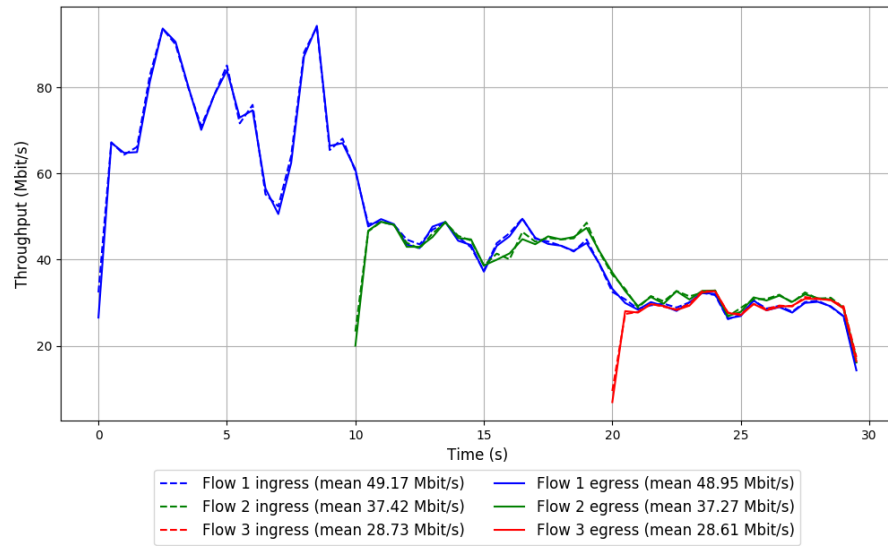


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-04 21:12:36
End at: 2018-02-04 21:13:06
Local clock offset: 0.291 ms
Remote clock offset: -6.363 ms

Below is generated by plot.py at 2018-02-05 02:30:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.96 Mbit/s
95th percentile per-packet one-way delay: 34.651 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 34.349 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 37.27 Mbit/s
95th percentile per-packet one-way delay: 35.209 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 34.843 ms
Loss rate: 0.96%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-02-04 21:38:18

End at: 2018-02-04 21:38:48

Local clock offset: 0.307 ms

Remote clock offset: -5.62 ms

Below is generated by plot.py at 2018-02-05 02:30:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.19 Mbit/s

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

Loss rate: 0.51%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 32.339 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 34.20 Mbit/s

95th percentile per-packet one-way delay: 31.420 ms

Loss rate: 0.49%

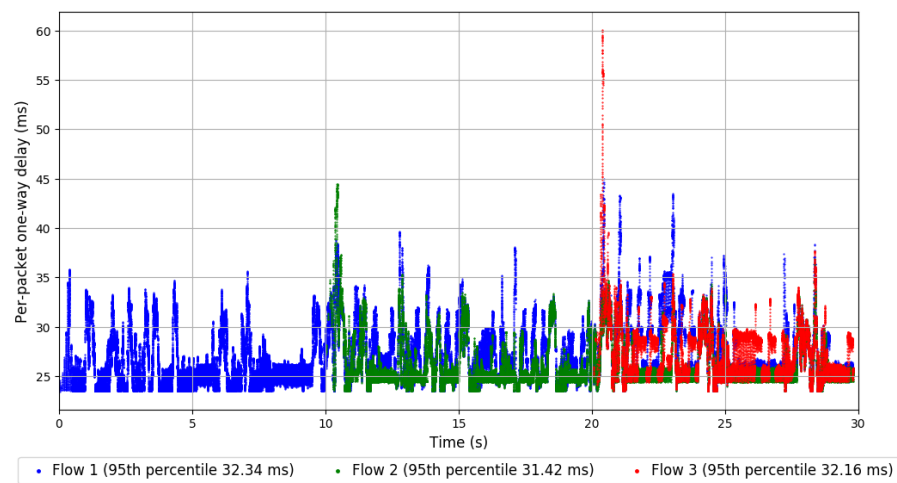
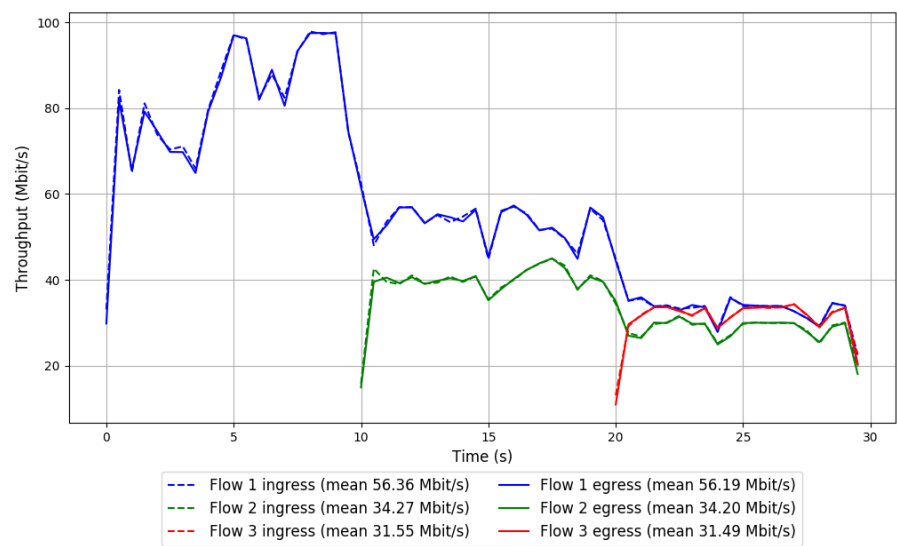
-- Flow 3:

Average throughput: 31.49 Mbit/s

95th percentile per-packet one-way delay: 32.161 ms

Loss rate: 0.75%

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

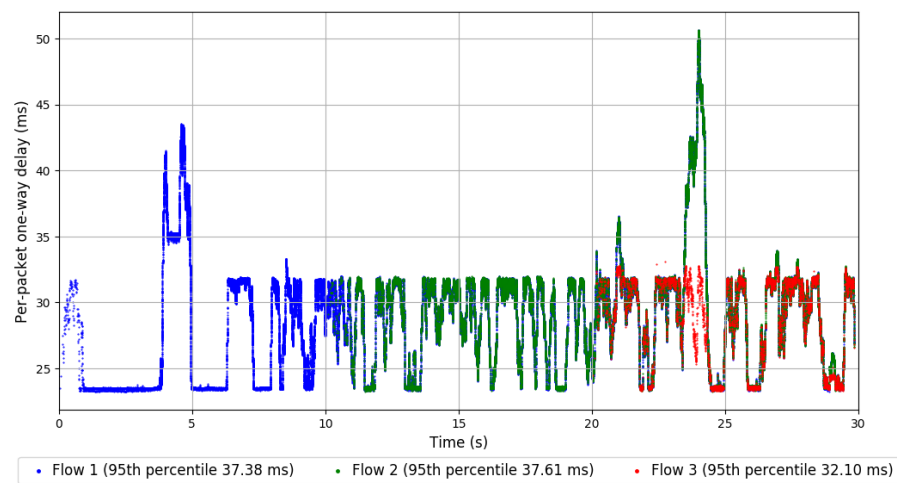
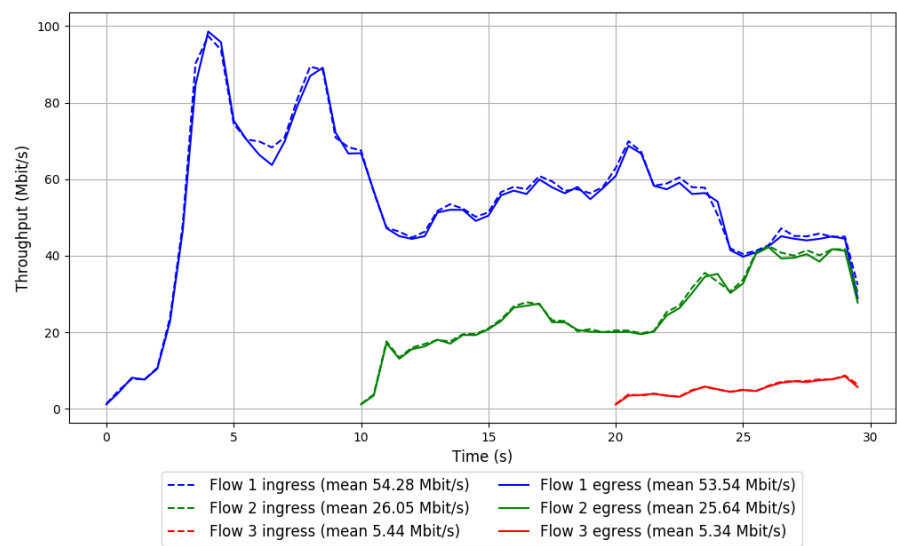


Run 1: Statistics of Vivace-latency

Start at: 2018-02-04 17:32:02
End at: 2018-02-04 17:32:32
Local clock offset: 0.113 ms
Remote clock offset: -2.944 ms

Below is generated by plot.py at 2018-02-05 02:30:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.32 Mbit/s
95th percentile per-packet one-way delay: 37.138 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 37.385 ms
Loss rate: 1.54%
-- Flow 2:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 37.611 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 32.098 ms
Loss rate: 2.29%

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-04 17:59:00

End at: 2018-02-04 17:59:30

Local clock offset: 0.468 ms

Remote clock offset: -6.69 ms

Below is generated by plot.py at 2018-02-05 02:30:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.90 Mbit/s

95th percentile per-packet one-way delay: 33.978 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 33.977 ms

Loss rate: 1.72%

-- Flow 2:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 33.985 ms

Loss rate: 2.34%

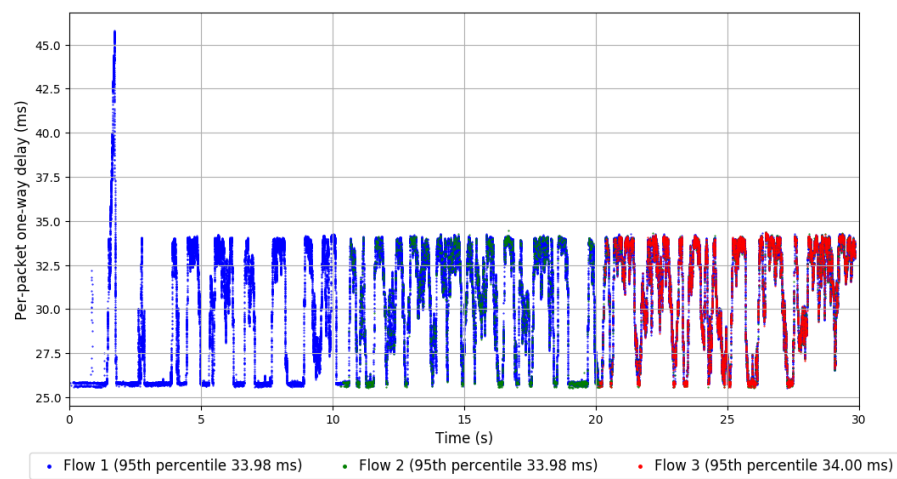
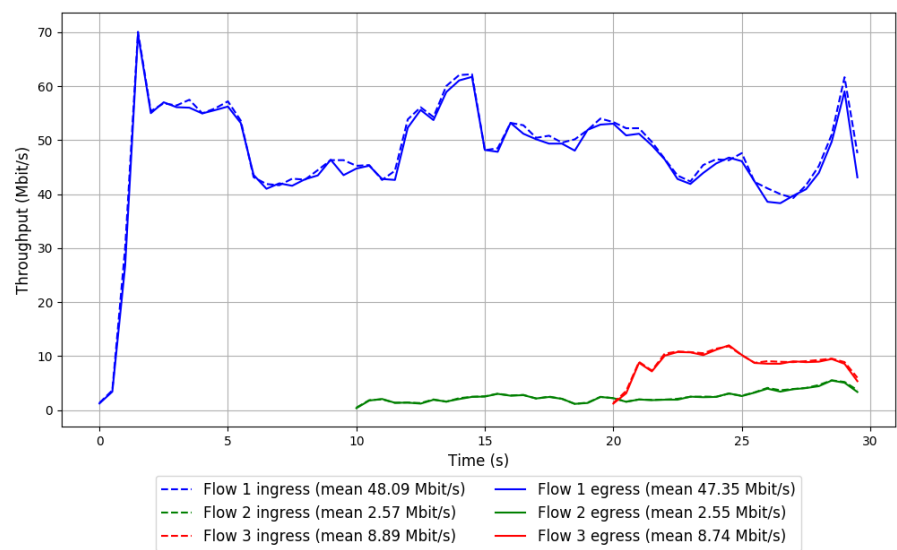
-- Flow 3:

Average throughput: 8.74 Mbit/s

95th percentile per-packet one-way delay: 33.996 ms

Loss rate: 2.24%

Run 2: Report of Vivace-latency — Data Link

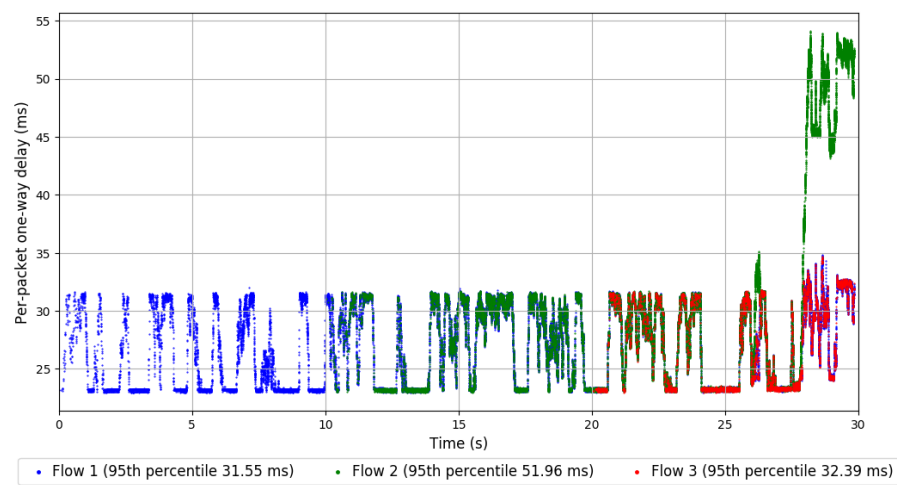
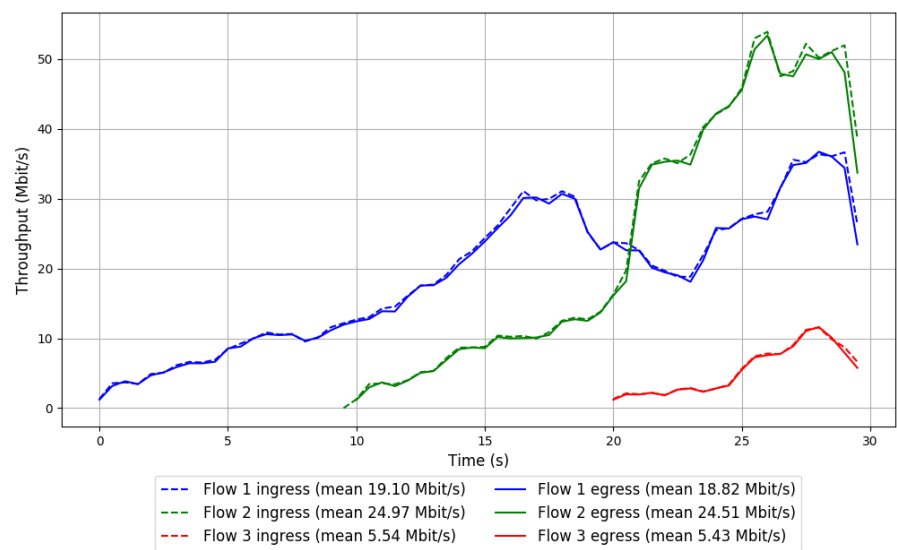


Run 3: Statistics of Vivace-latency

Start at: 2018-02-04 18:26:07
End at: 2018-02-04 18:26:37
Local clock offset: 0.305 ms
Remote clock offset: -3.816 ms

Below is generated by plot.py at 2018-02-05 02:30:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 47.789 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 18.82 Mbit/s
95th percentile per-packet one-way delay: 31.554 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 51.958 ms
Loss rate: 2.14%
-- Flow 3:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 32.393 ms
Loss rate: 2.45%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-02-04 18:54:06

End at: 2018-02-04 18:54:36

Local clock offset: 0.268 ms

Remote clock offset: -3.28 ms

Below is generated by plot.py at 2018-02-05 02:30:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.72 Mbit/s

95th percentile per-packet one-way delay: 31.733 ms

Loss rate: 1.73%

-- Flow 1:

Average throughput: 18.70 Mbit/s

95th percentile per-packet one-way delay: 31.722 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 12.41 Mbit/s

95th percentile per-packet one-way delay: 31.741 ms

Loss rate: 2.02%

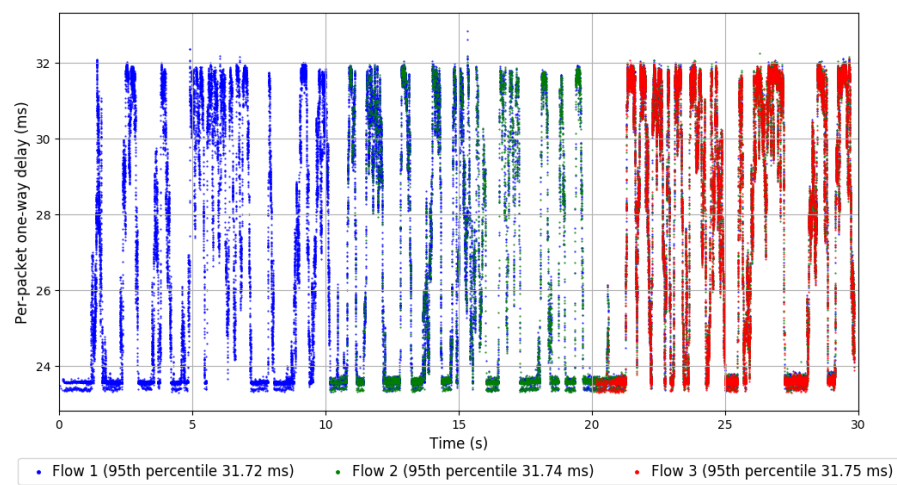
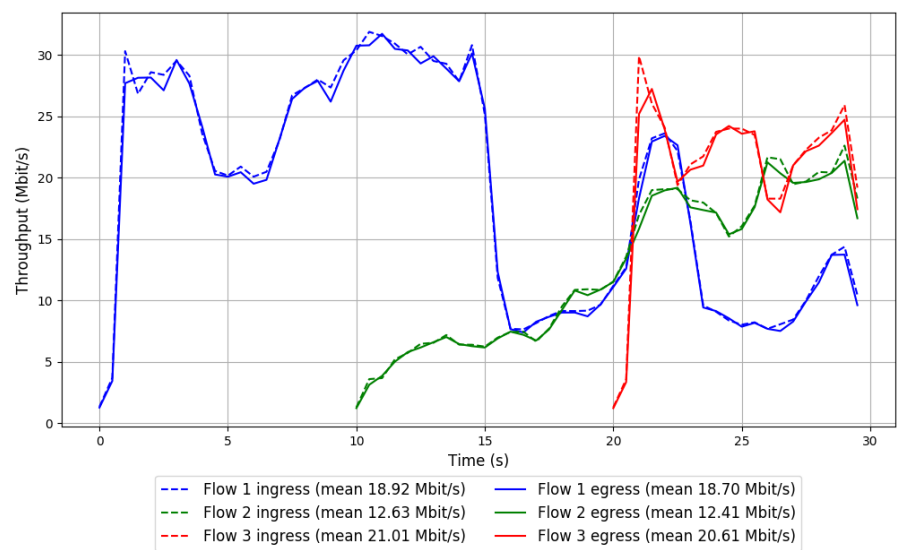
-- Flow 3:

Average throughput: 20.61 Mbit/s

95th percentile per-packet one-way delay: 31.746 ms

Loss rate: 2.44%

Run 4: Report of Vivace-latency — Data Link

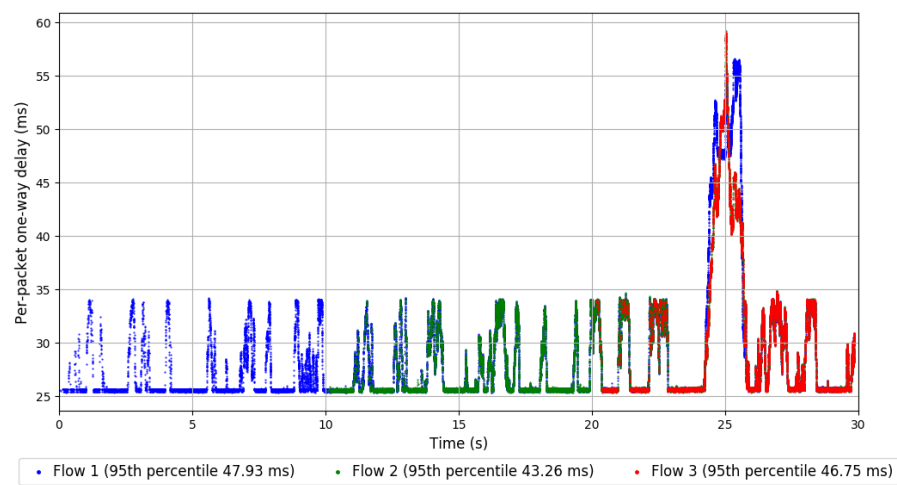
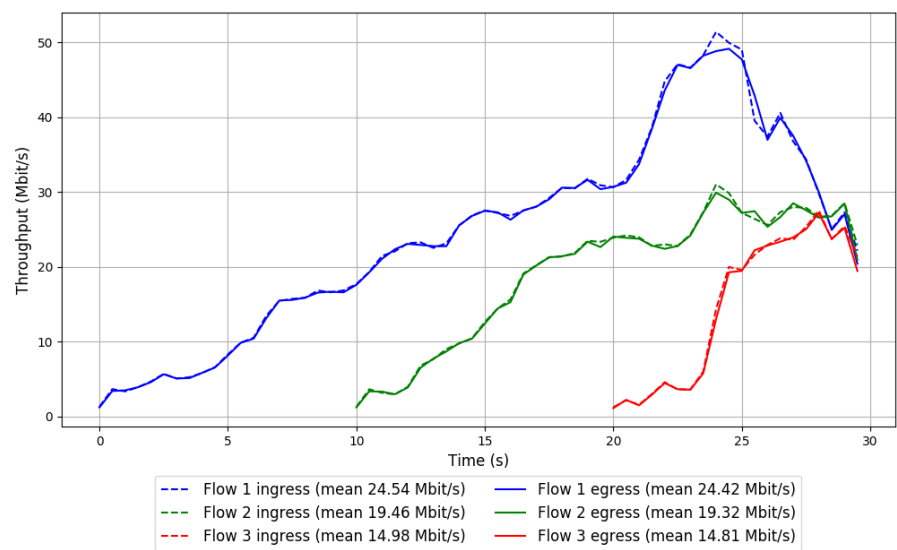


Run 5: Statistics of Vivace-latency

Start at: 2018-02-04 19:22:31
End at: 2018-02-04 19:23:01
Local clock offset: 0.342 ms
Remote clock offset: -5.427 ms

Below is generated by plot.py at 2018-02-05 02:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.13 Mbit/s
95th percentile per-packet one-way delay: 47.660 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 47.929 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 19.32 Mbit/s
95th percentile per-packet one-way delay: 43.257 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 46.748 ms
Loss rate: 1.73%

Run 5: Report of Vivace-latency — Data Link

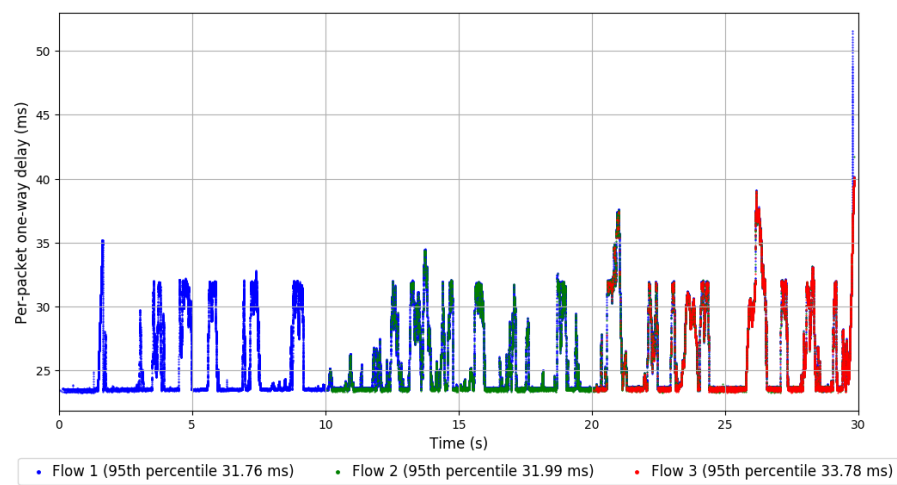
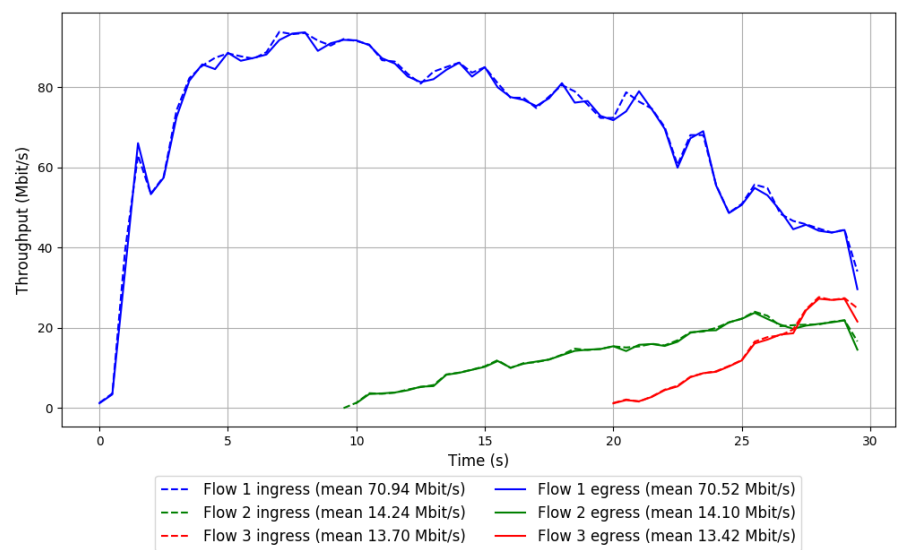


Run 6: Statistics of Vivace-latency

Start at: 2018-02-04 19:47:59
End at: 2018-02-04 19:48:29
Local clock offset: 0.547 ms
Remote clock offset: -3.836 ms

Below is generated by plot.py at 2018-02-05 02:31:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.31 Mbit/s
95th percentile per-packet one-way delay: 31.799 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 70.52 Mbit/s
95th percentile per-packet one-way delay: 31.759 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 14.10 Mbit/s
95th percentile per-packet one-way delay: 31.988 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 33.779 ms
Loss rate: 2.56%

Run 6: Report of Vivace-latency — Data Link

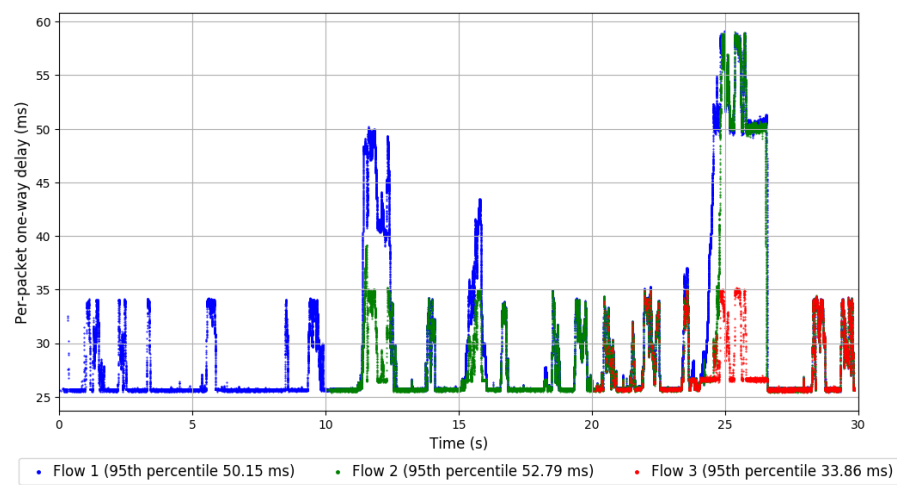
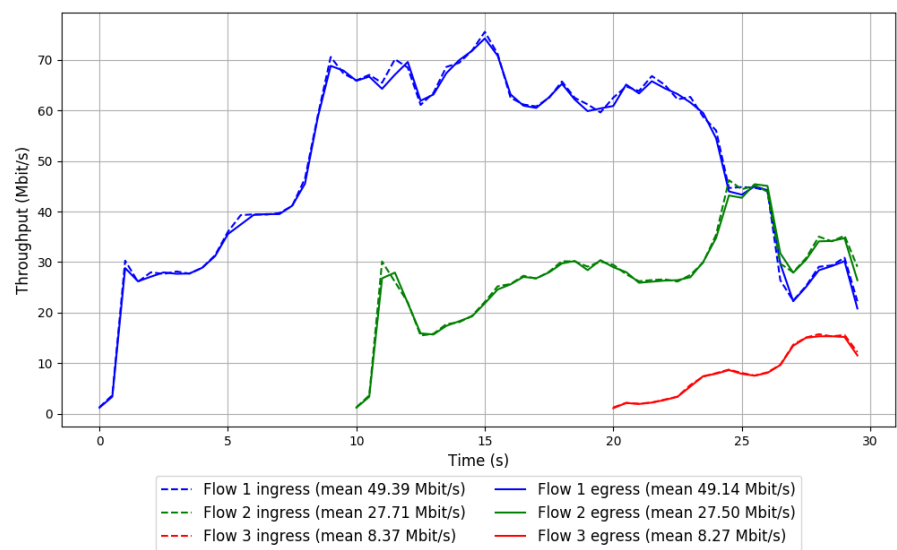


Run 7: Statistics of Vivace-latency

Start at: 2018-02-04 20:13:20
End at: 2018-02-04 20:13:50
Local clock offset: 0.616 ms
Remote clock offset: -5.868 ms

Below is generated by plot.py at 2018-02-05 02:31:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 50.313 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 50.153 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 27.50 Mbit/s
95th percentile per-packet one-way delay: 52.787 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 33.857 ms
Loss rate: 1.66%

Run 7: Report of Vivace-latency — Data Link

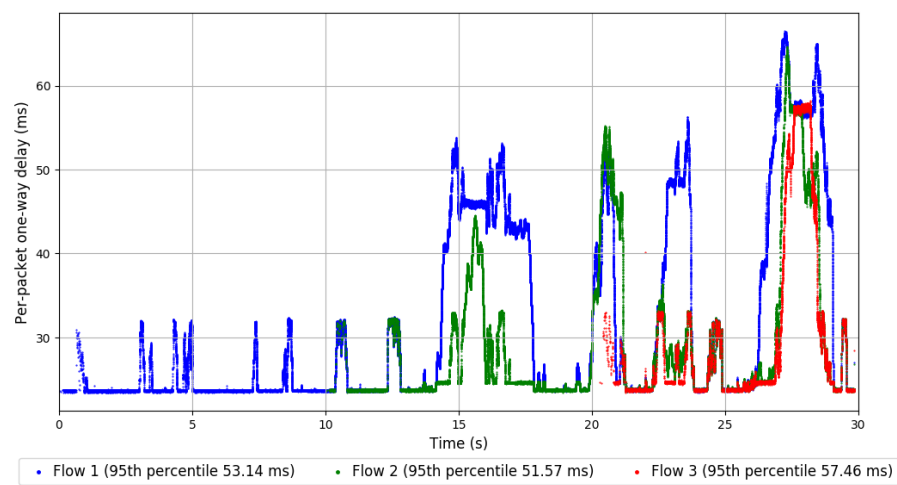
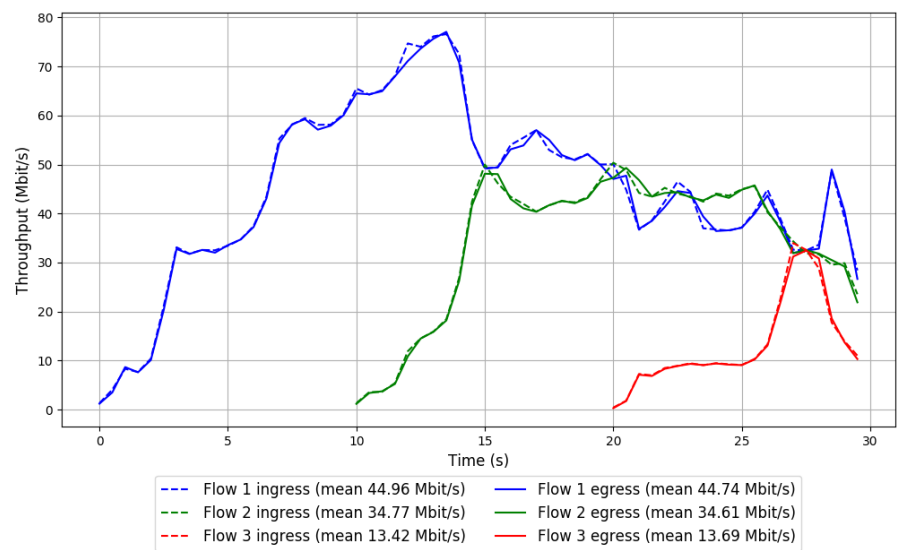


Run 8: Statistics of Vivace-latency

Start at: 2018-02-04 20:38:05
End at: 2018-02-04 20:38:35
Local clock offset: 0.444 ms
Remote clock offset: -3.579 ms

Below is generated by plot.py at 2018-02-05 02:31:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 54.151 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 53.140 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 51.574 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 57.461 ms
Loss rate: 1.14%

Run 8: Report of Vivace-latency — Data Link

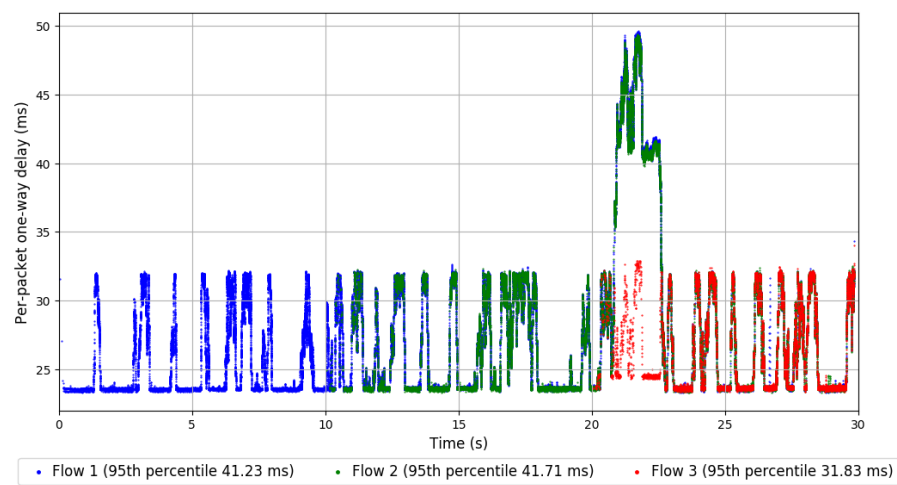
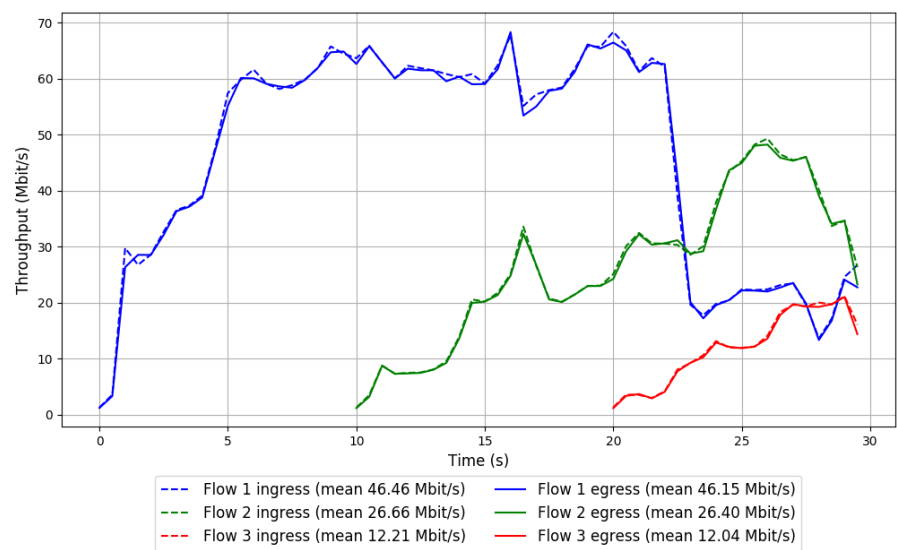


Run 9: Statistics of Vivace-latency

Start at: 2018-02-04 21:03:43
End at: 2018-02-04 21:04:13
Local clock offset: 0.227 ms
Remote clock offset: -4.104 ms

Below is generated by plot.py at 2018-02-05 02:31:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.65 Mbit/s
95th percentile per-packet one-way delay: 41.236 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 41.235 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 41.707 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 31.833 ms
Loss rate: 1.90%

Run 9: Report of Vivace-latency — Data Link

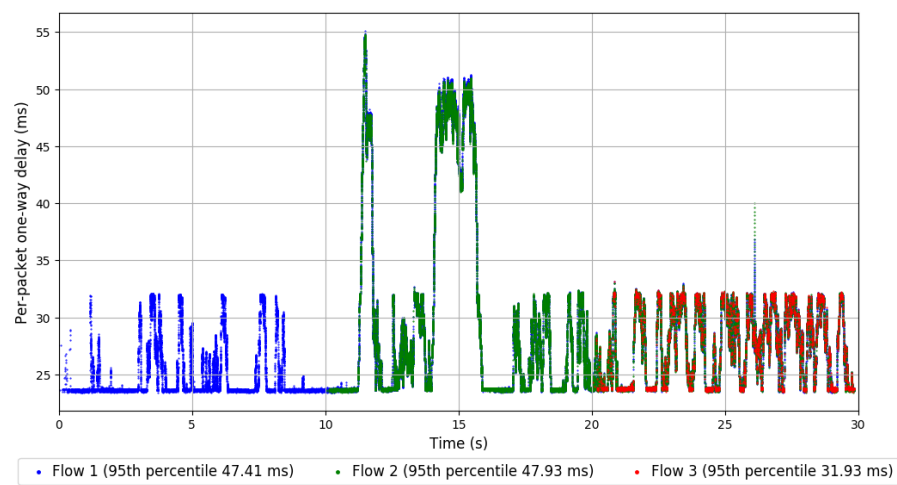
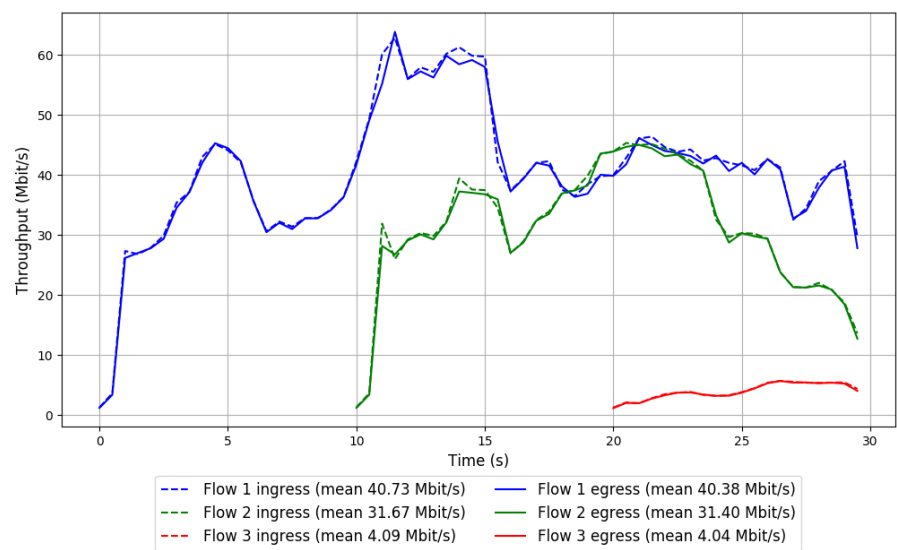


Run 10: Statistics of Vivace-latency

Start at: 2018-02-04 21:29:37
End at: 2018-02-04 21:30:07
Local clock offset: 0.398 ms
Remote clock offset: -5.118 ms

Below is generated by plot.py at 2018-02-05 02:31:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.57 Mbit/s
95th percentile per-packet one-way delay: 47.535 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 47.409 ms
Loss rate: 1.03%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 47.929 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 31.933 ms
Loss rate: 1.77%

Run 10: Report of Vivace-latency — Data Link

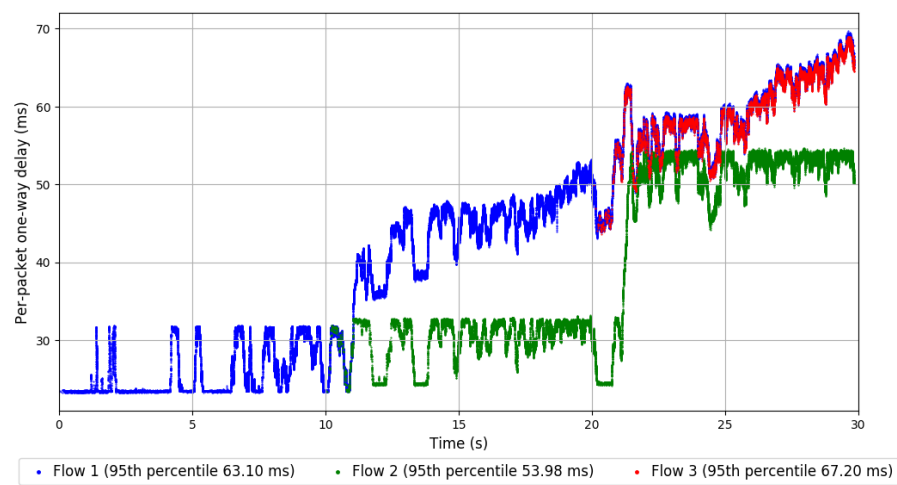
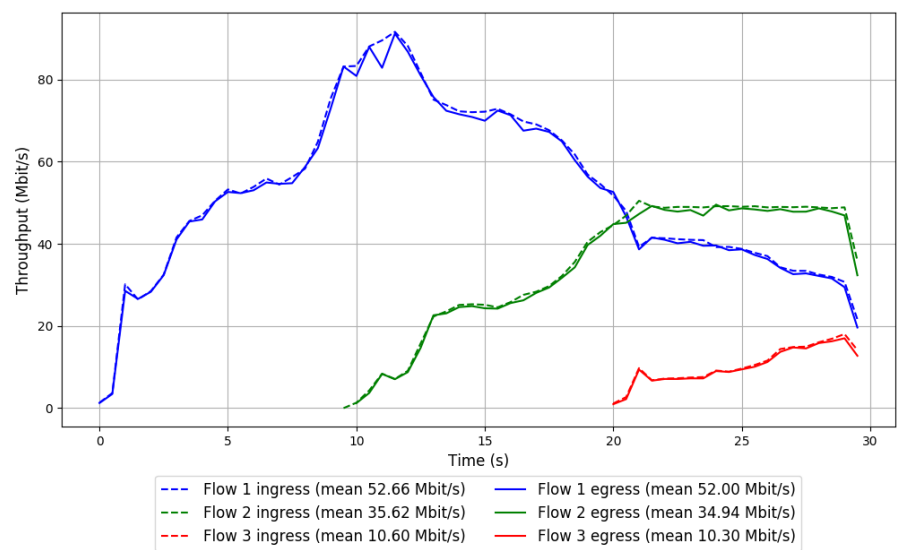


```
Run 1: Statistics of Vivace-loss

Start at: 2018-02-04 17:42:37
End at: 2018-02-04 17:43:07
Local clock offset: 0.329 ms
Remote clock offset: -3.54 ms

# Below is generated by plot.py at 2018-02-05 02:31:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 63.062 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 52.00 Mbit/s
95th percentile per-packet one-way delay: 63.099 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 53.976 ms
Loss rate: 2.21%
-- Flow 3:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 67.204 ms
Loss rate: 3.60%
```

Run 1: Report of Vivace-loss — Data Link

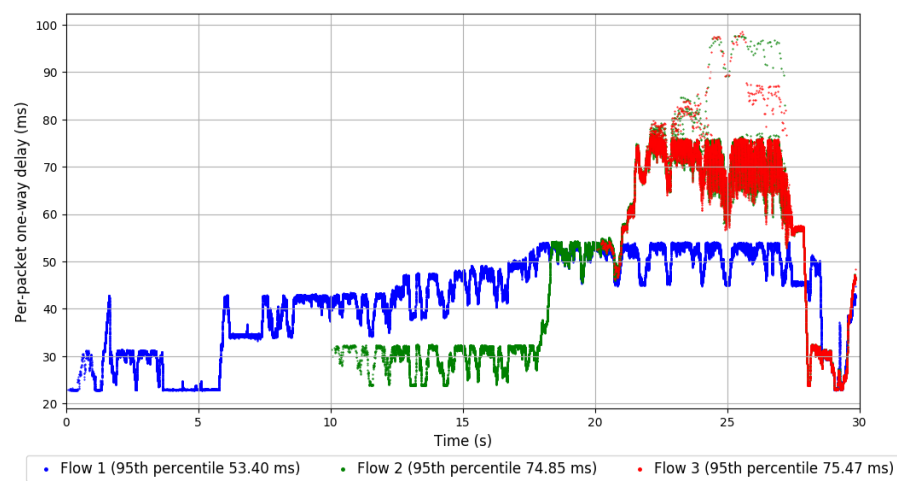
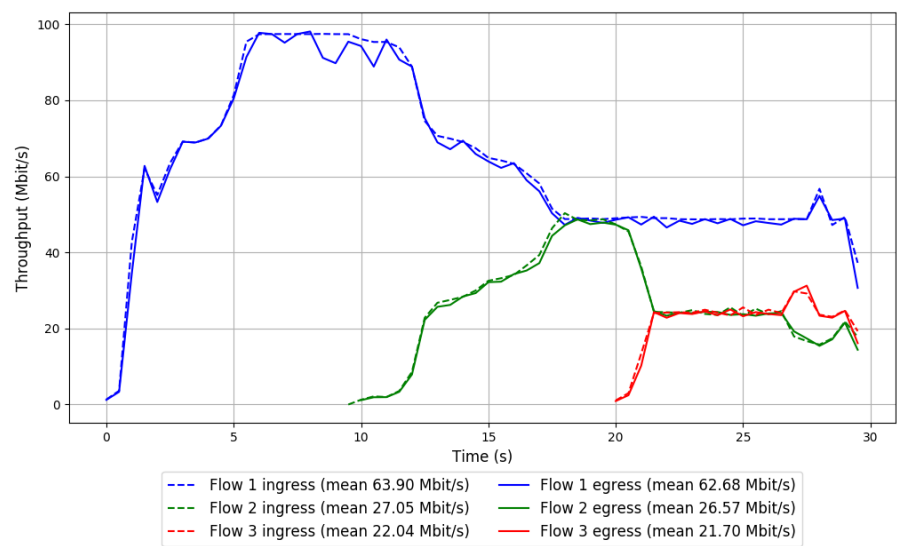


Run 2: Statistics of Vivace-loss

Start at: 2018-02-04 18:10:04
End at: 2018-02-04 18:10:34
Local clock offset: 0.382 ms
Remote clock offset: -4.137 ms

Below is generated by plot.py at 2018-02-05 02:31:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.44 Mbit/s
95th percentile per-packet one-way delay: 72.303 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 62.68 Mbit/s
95th percentile per-packet one-way delay: 53.404 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 74.852 ms
Loss rate: 2.10%
-- Flow 3:
Average throughput: 21.70 Mbit/s
95th percentile per-packet one-way delay: 75.470 ms
Loss rate: 2.35%

Run 2: Report of Vivace-loss — Data Link

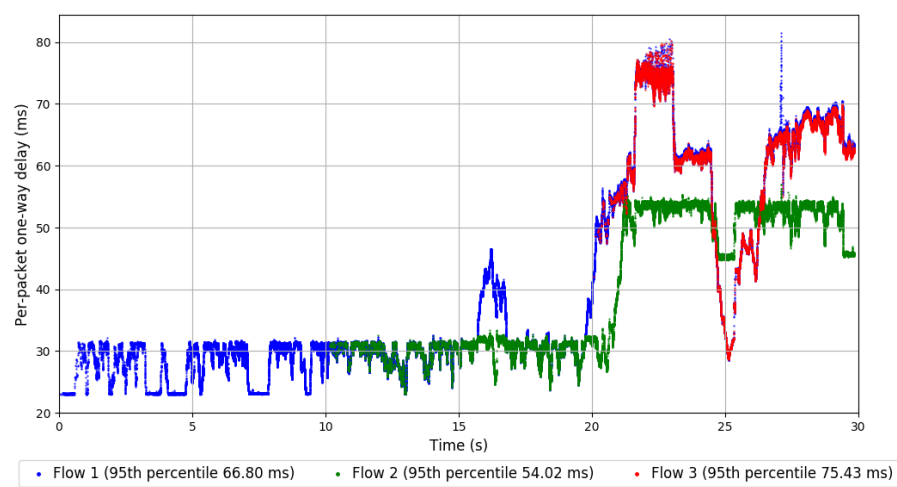
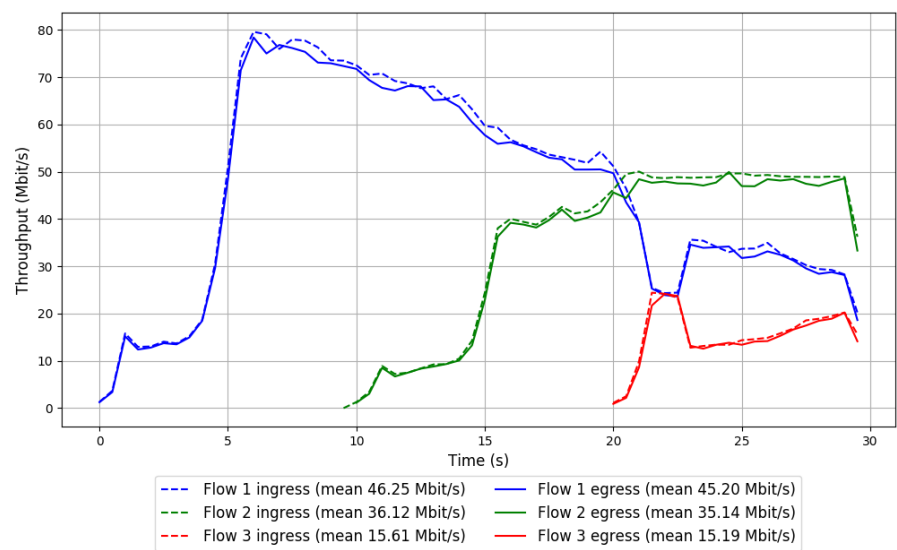


Run 3: Statistics of Vivace-loss

Start at: 2018-02-04 18:37:10
End at: 2018-02-04 18:37:40
Local clock offset: 0.299 ms
Remote clock offset: -3.544 ms

Below is generated by plot.py at 2018-02-05 02:31:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.53 Mbit/s
95th percentile per-packet one-way delay: 67.214 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 66.804 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 35.14 Mbit/s
95th percentile per-packet one-way delay: 54.018 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 75.427 ms
Loss rate: 3.39%

Run 3: Report of Vivace-loss — Data Link

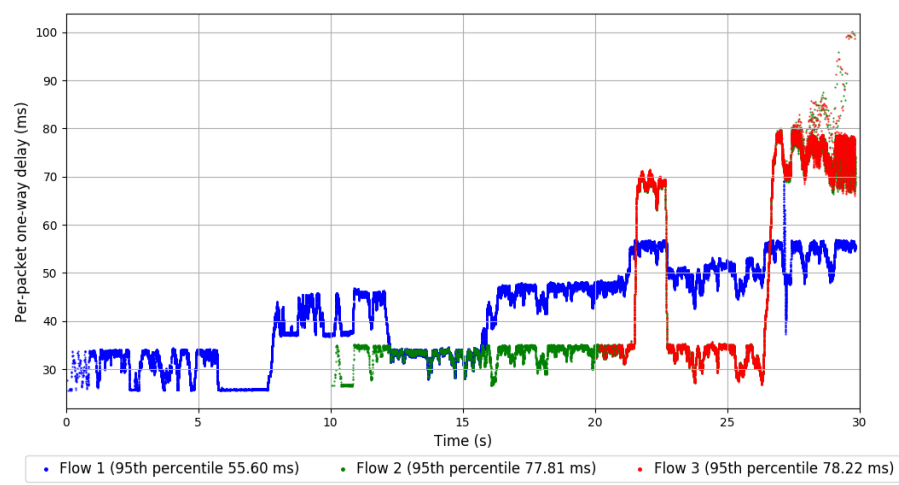
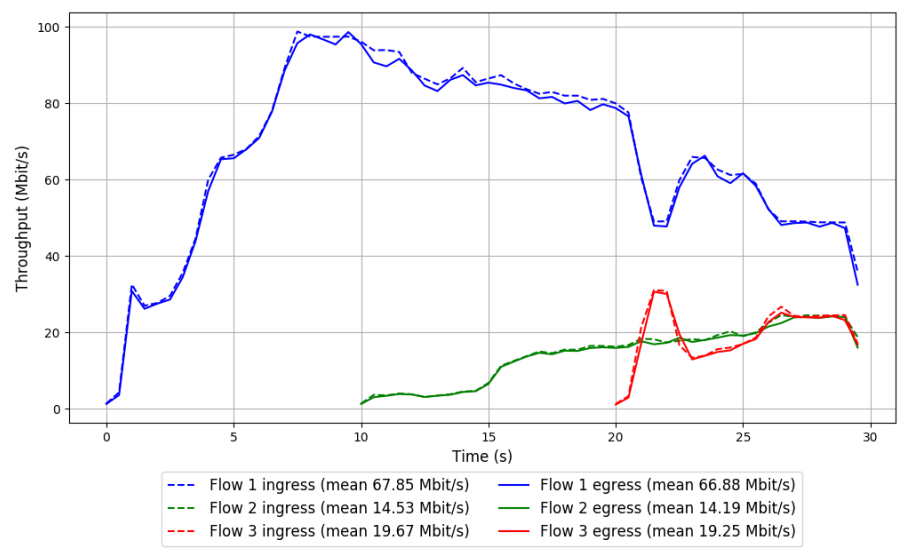


Run 4: Statistics of Vivace-loss

Start at: 2018-02-04 19:05:40
End at: 2018-02-04 19:06:10
Local clock offset: 0.283 ms
Remote clock offset: -5.204 ms

Below is generated by plot.py at 2018-02-05 02:32:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 71.380 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 55.601 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 14.19 Mbit/s
95th percentile per-packet one-way delay: 77.805 ms
Loss rate: 2.78%
-- Flow 3:
Average throughput: 19.25 Mbit/s
95th percentile per-packet one-way delay: 78.224 ms
Loss rate: 2.86%

Run 4: Report of Vivace-loss — Data Link

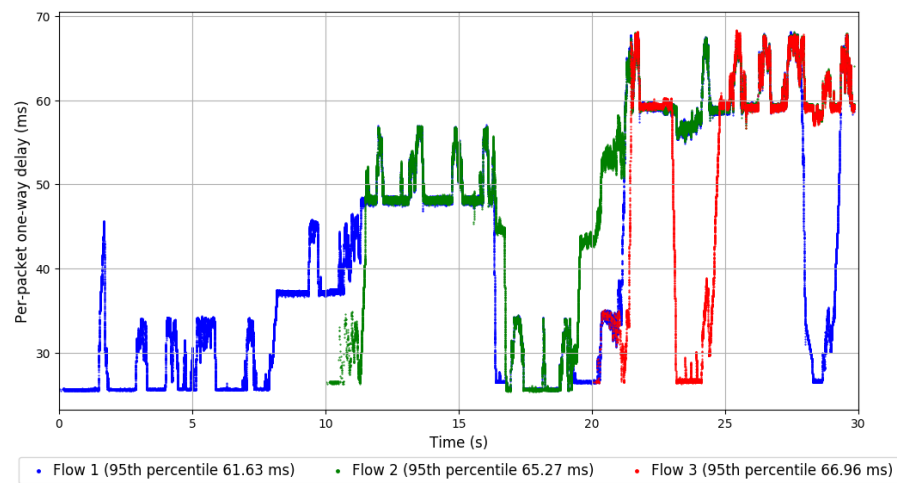
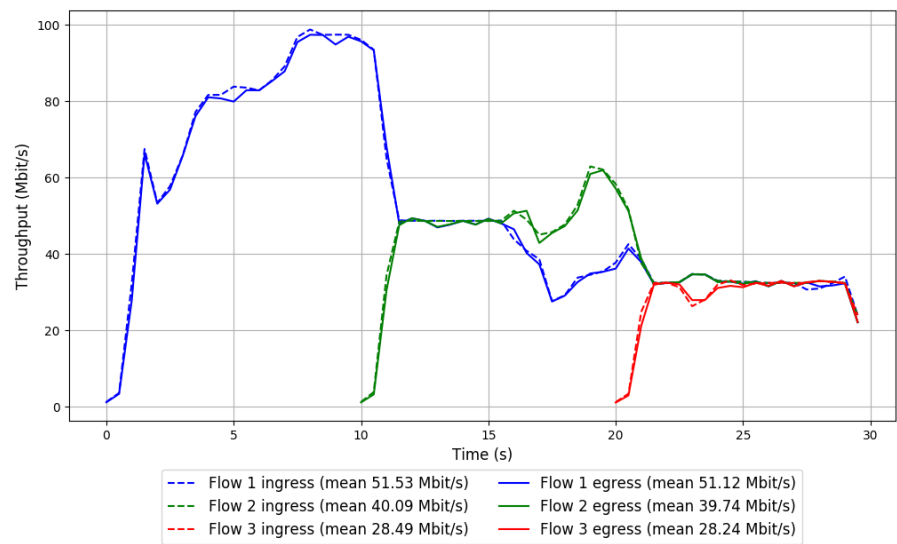


Run 5: Statistics of Vivace-loss

Start at: 2018-02-04 19:32:40
End at: 2018-02-04 19:33:10
Local clock offset: 0.429 ms
Remote clock offset: -5.738 ms

Below is generated by plot.py at 2018-02-05 02:32:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 64.818 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 61.633 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 65.267 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 28.24 Mbit/s
95th percentile per-packet one-way delay: 66.964 ms
Loss rate: 1.41%

Run 5: Report of Vivace-loss — Data Link

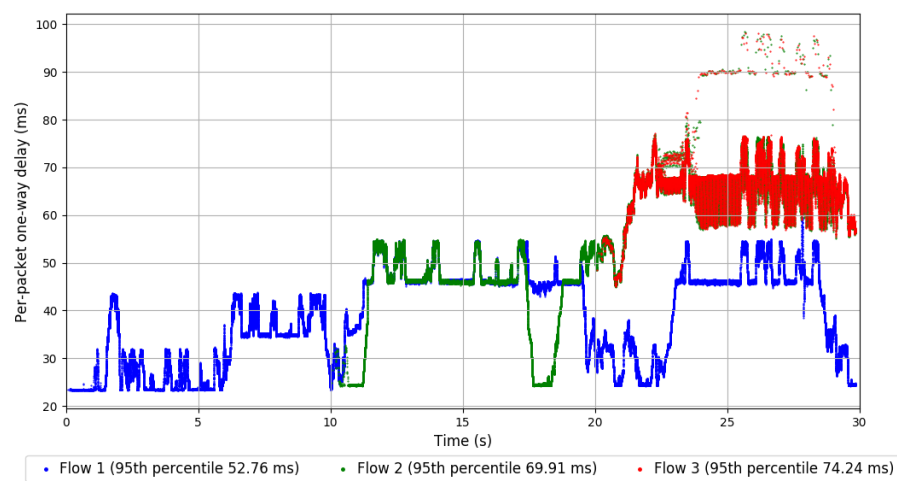
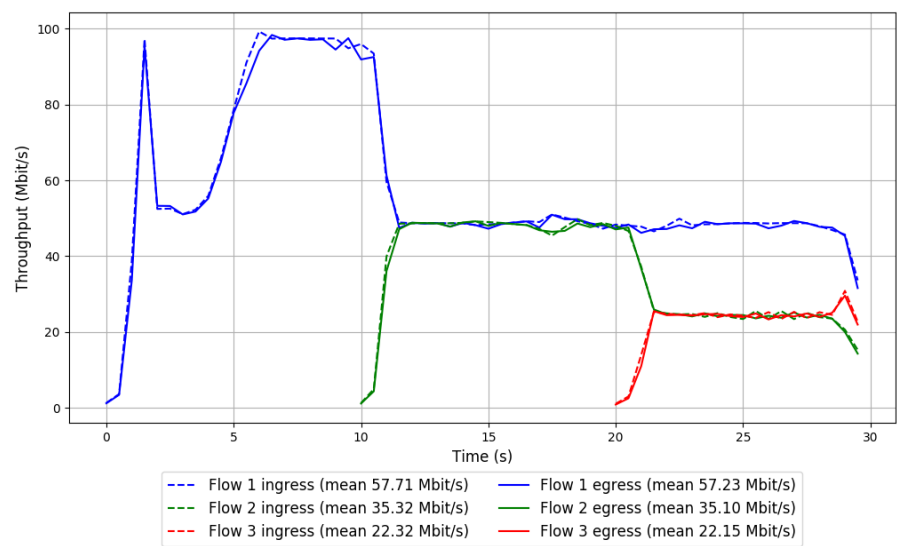


Run 6: Statistics of Vivace-loss

Start at: 2018-02-04 19:58:06
End at: 2018-02-04 19:58:36
Local clock offset: 0.467 ms
Remote clock offset: -3.741 ms

Below is generated by plot.py at 2018-02-05 02:32:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 67.965 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 52.763 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 35.10 Mbit/s
95th percentile per-packet one-way delay: 69.913 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 22.15 Mbit/s
95th percentile per-packet one-way delay: 74.241 ms
Loss rate: 1.53%

Run 6: Report of Vivace-loss — Data Link

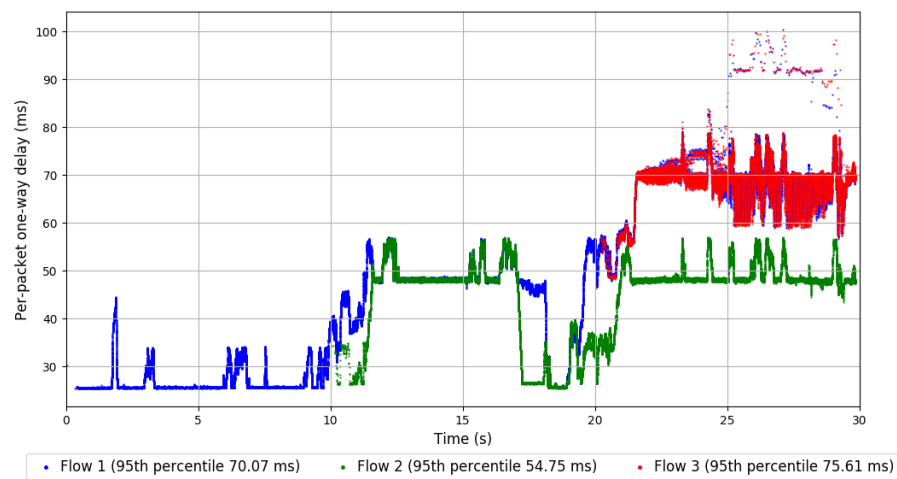
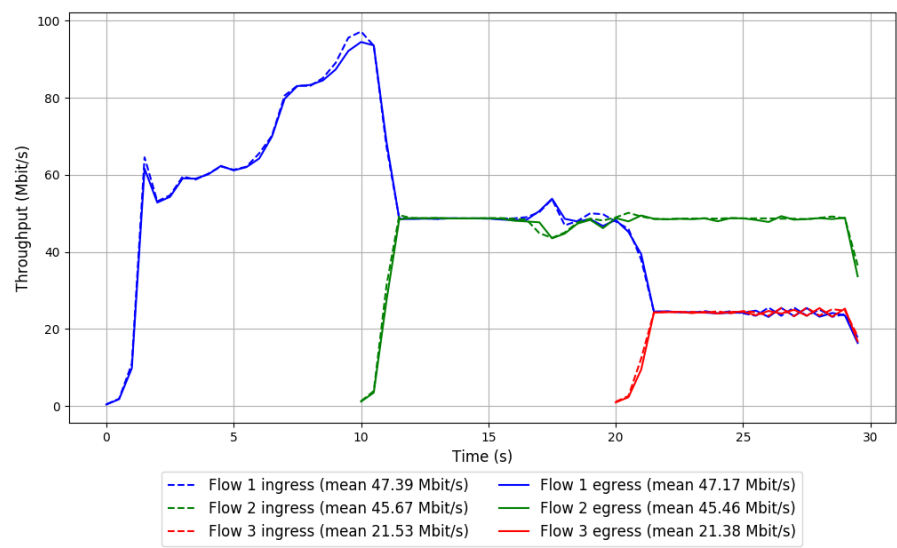


Run 7: Statistics of Vivace-loss

Start at: 2018-02-04 20:23:12
End at: 2018-02-04 20:23:42
Local clock offset: 0.493 ms
Remote clock offset: -5.823 ms

Below is generated by plot.py at 2018-02-05 02:32:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 70.101 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 47.17 Mbit/s
95th percentile per-packet one-way delay: 70.071 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 45.46 Mbit/s
95th percentile per-packet one-way delay: 54.749 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 75.611 ms
Loss rate: 1.43%

Run 7: Report of Vivace-loss — Data Link

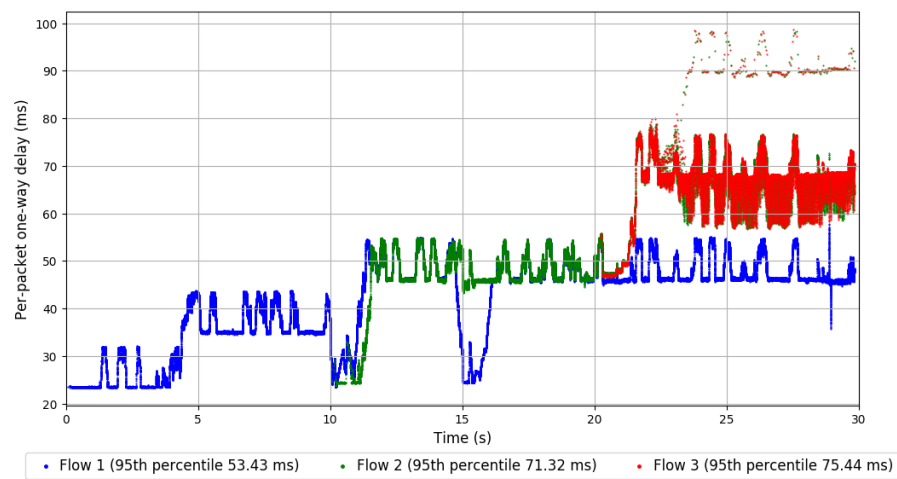
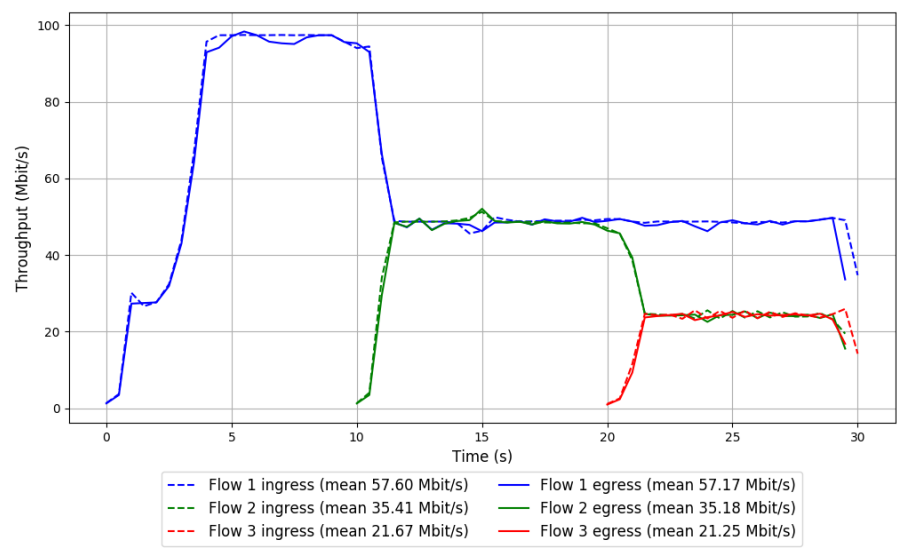


Run 8: Statistics of Vivace-loss

Start at: 2018-02-04 20:48:18
End at: 2018-02-04 20:48:48
Local clock offset: 0.298 ms
Remote clock offset: -3.504 ms

Below is generated by plot.py at 2018-02-05 02:32:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.51 Mbit/s
95th percentile per-packet one-way delay: 68.329 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 57.17 Mbit/s
95th percentile per-packet one-way delay: 53.426 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 71.321 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 75.438 ms
Loss rate: 6.65%

Run 8: Report of Vivace-loss — Data Link

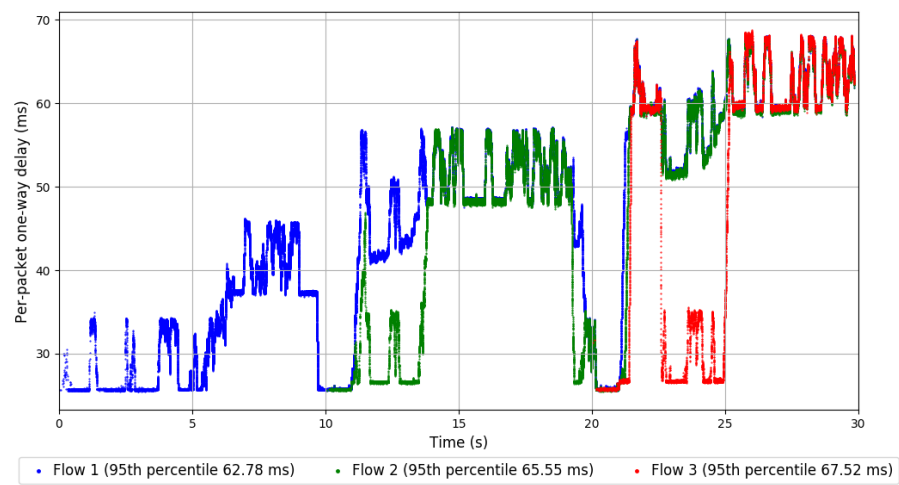
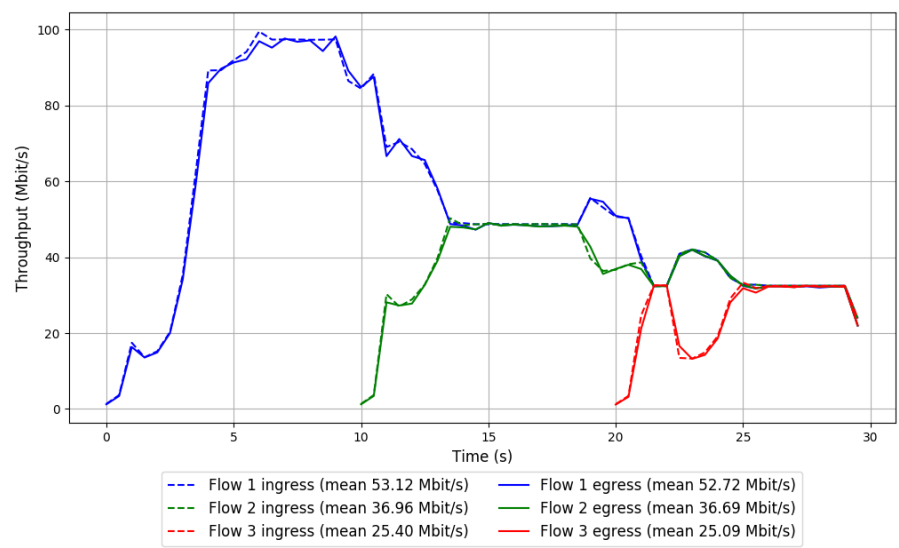


Run 9: Statistics of Vivace-loss

Start at: 2018-02-04 21:14:10
End at: 2018-02-04 21:14:40
Local clock offset: 0.391 ms
Remote clock offset: -6.508 ms

Below is generated by plot.py at 2018-02-05 02:33:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 65.153 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 62.782 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 65.553 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 67.519 ms
Loss rate: 1.81%

Run 9: Report of Vivace-loss — Data Link

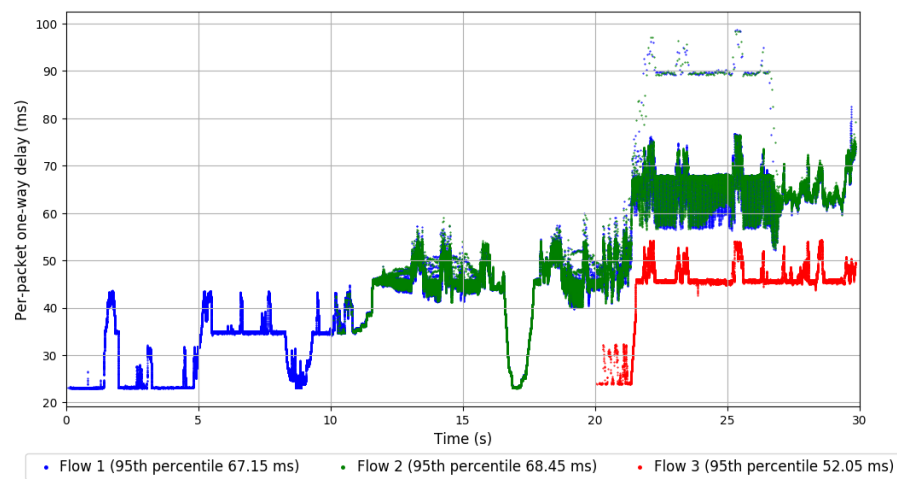
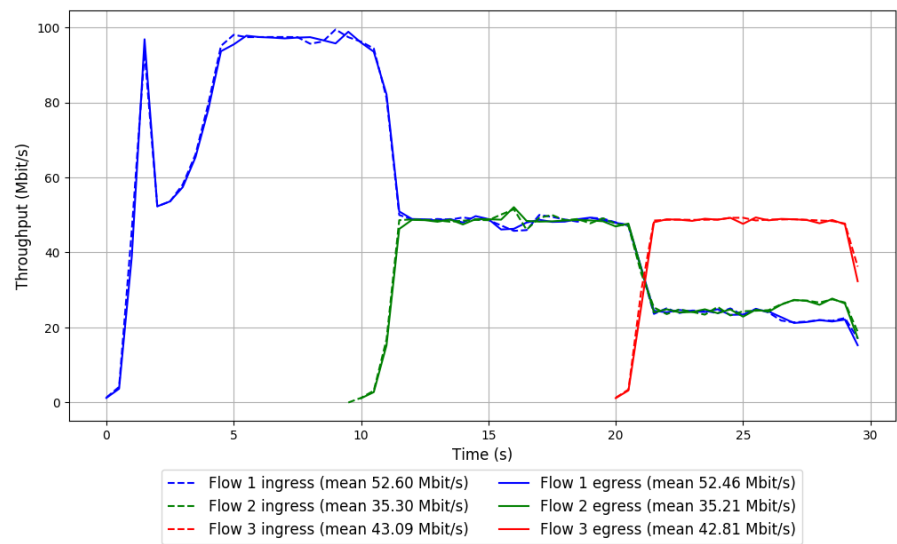


Run 10: Statistics of Vivace-loss

Start at: 2018-02-04 21:39:43
End at: 2018-02-04 21:40:13
Local clock offset: 0.284 ms
Remote clock offset: -5.343 ms

Below is generated by plot.py at 2018-02-05 02:33:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 67.555 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 67.153 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 35.21 Mbit/s
95th percentile per-packet one-way delay: 68.446 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 52.049 ms
Loss rate: 1.21%

Run 10: Report of Vivace-loss — Data Link

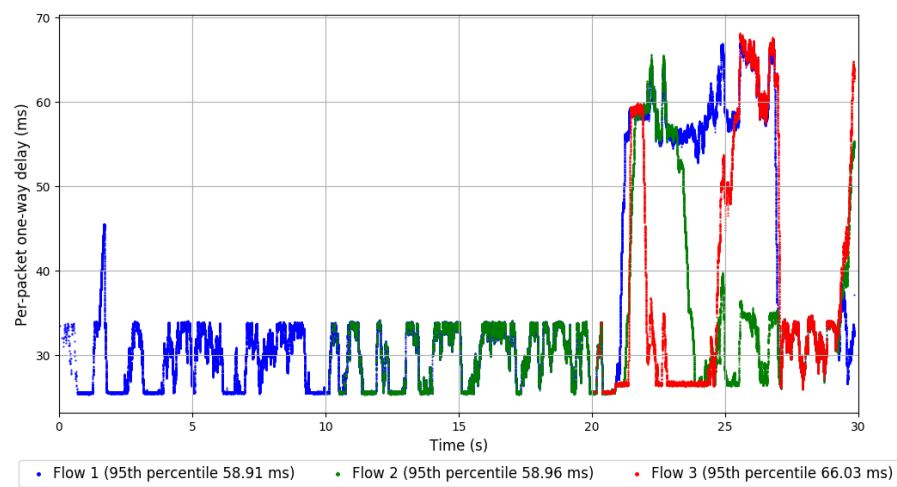
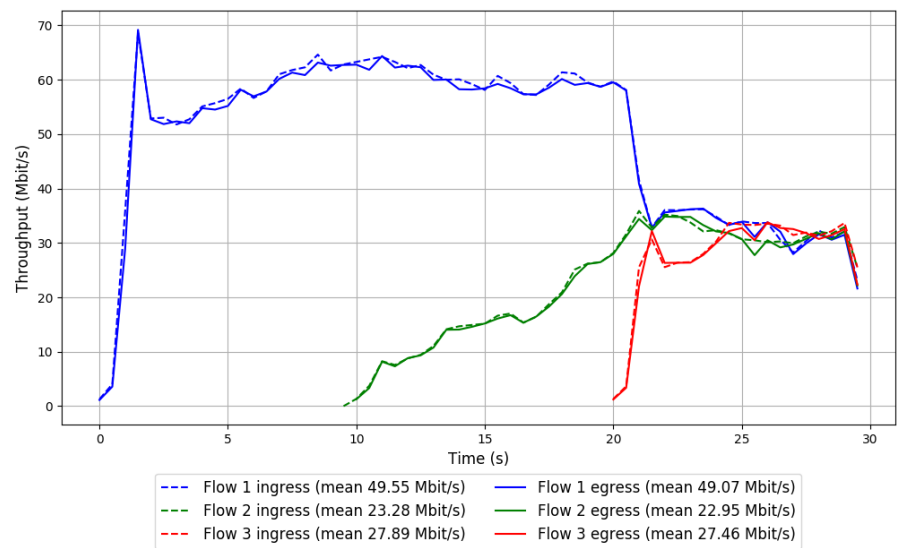


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-04 17:36:24
End at: 2018-02-04 17:36:54
Local clock offset: 0.181 ms
Remote clock offset: -5.306 ms

Below is generated by plot.py at 2018-02-05 02:33:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.38 Mbit/s
95th percentile per-packet one-way delay: 60.002 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 49.07 Mbit/s
95th percentile per-packet one-way delay: 58.907 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 22.95 Mbit/s
95th percentile per-packet one-way delay: 58.961 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 66.029 ms
Loss rate: 2.16%

Run 1: Report of Vivace-LTE — Data Link

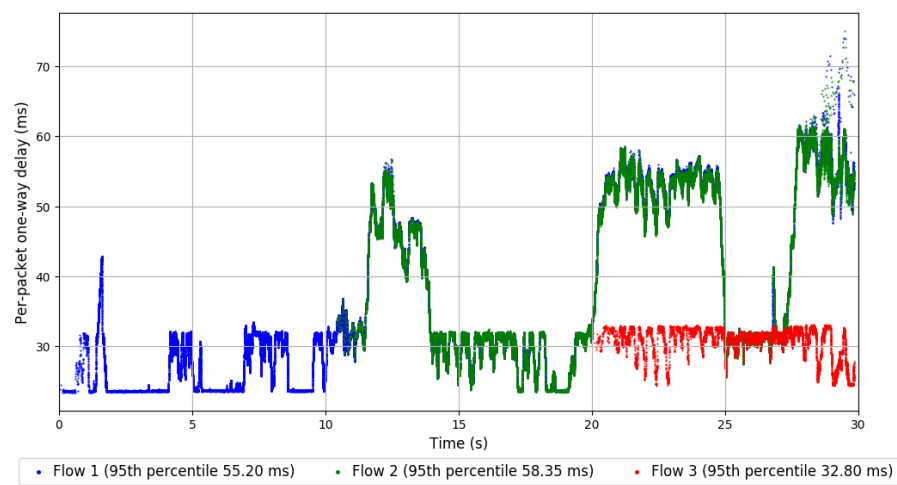
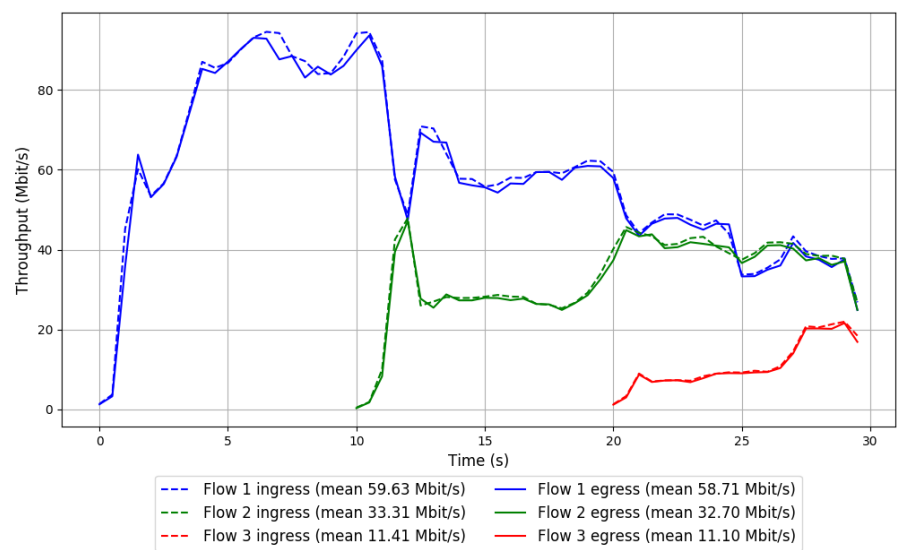


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-04 18:03:39
End at: 2018-02-04 18:04:09
Local clock offset: 0.473 ms
Remote clock offset: -4.763 ms

Below is generated by plot.py at 2018-02-05 02:33:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.07 Mbit/s
95th percentile per-packet one-way delay: 55.971 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 55.203 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 58.353 ms
Loss rate: 2.20%
-- Flow 3:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 32.799 ms
Loss rate: 3.31%

Run 2: Report of Vivace-LTE — Data Link

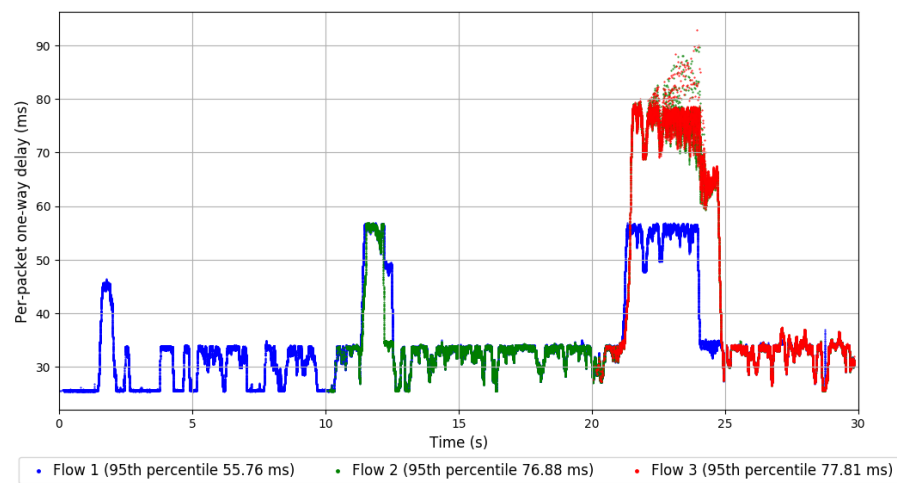
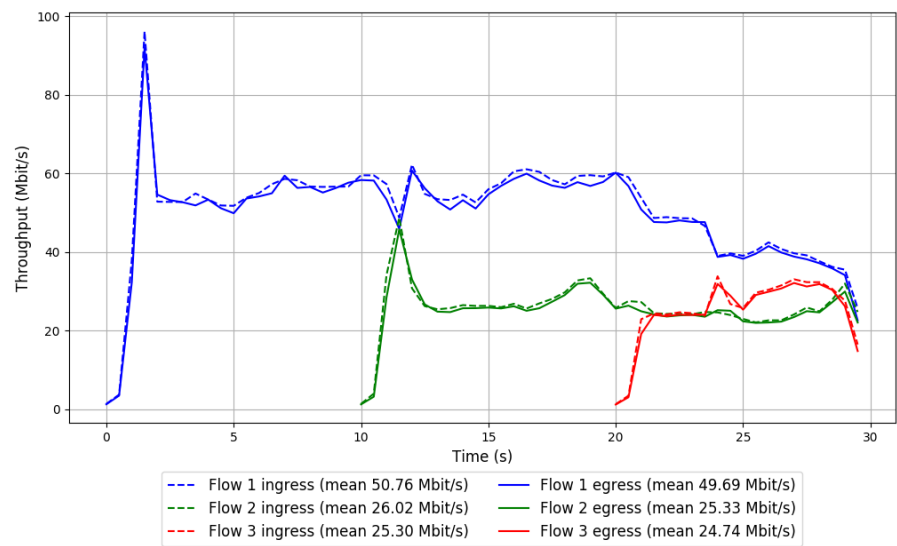


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-04 18:30:39
End at: 2018-02-04 18:31:09
Local clock offset: 0.203 ms
Remote clock offset: -6.306 ms

Below is generated by plot.py at 2018-02-05 02:34:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.65 Mbit/s
95th percentile per-packet one-way delay: 71.715 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 55.758 ms
Loss rate: 2.27%
-- Flow 2:
Average throughput: 25.33 Mbit/s
95th percentile per-packet one-way delay: 76.879 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 77.810 ms
Loss rate: 2.77%

Run 3: Report of Vivace-LTE — Data Link

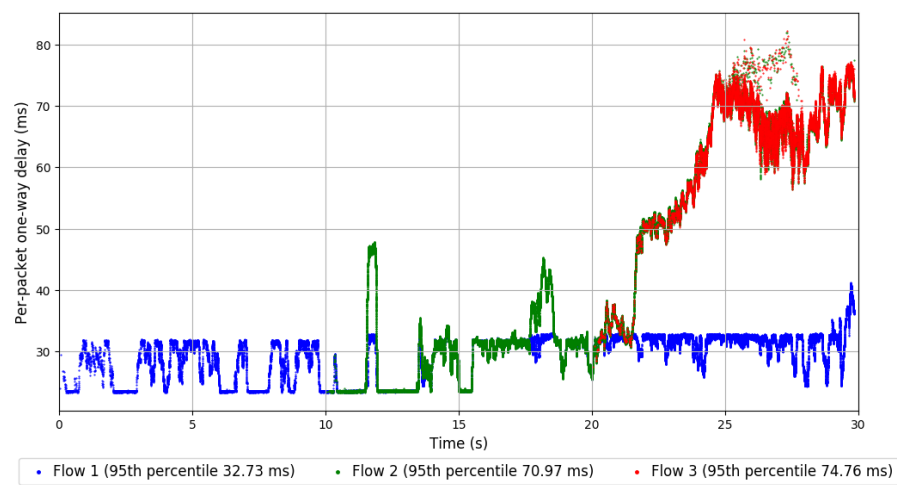
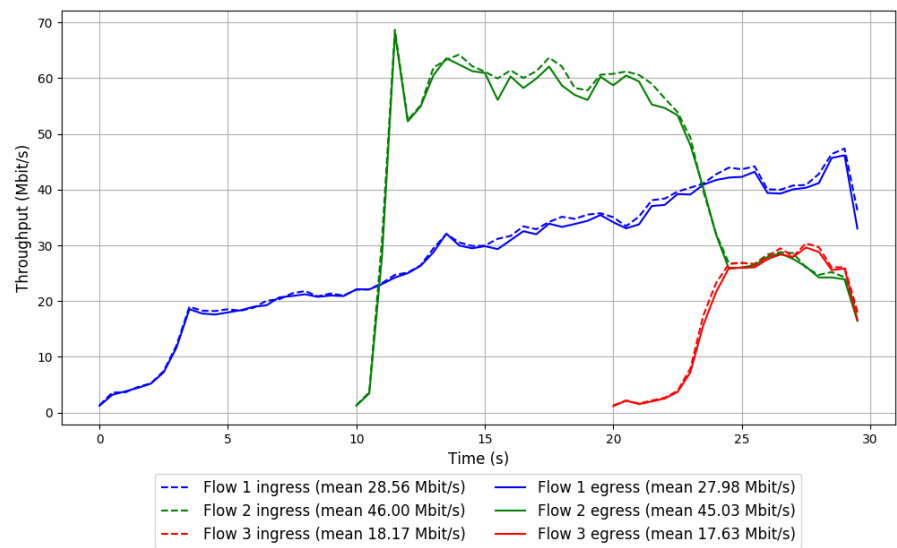


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-04 18:58:34
End at: 2018-02-04 18:59:04
Local clock offset: 0.208 ms
Remote clock offset: -3.204 ms

Below is generated by plot.py at 2018-02-05 02:34:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 70.832 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 32.727 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 45.03 Mbit/s
95th percentile per-packet one-way delay: 70.967 ms
Loss rate: 2.33%
-- Flow 3:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 74.763 ms
Loss rate: 3.50%

Run 4: Report of Vivace-LTE — Data Link

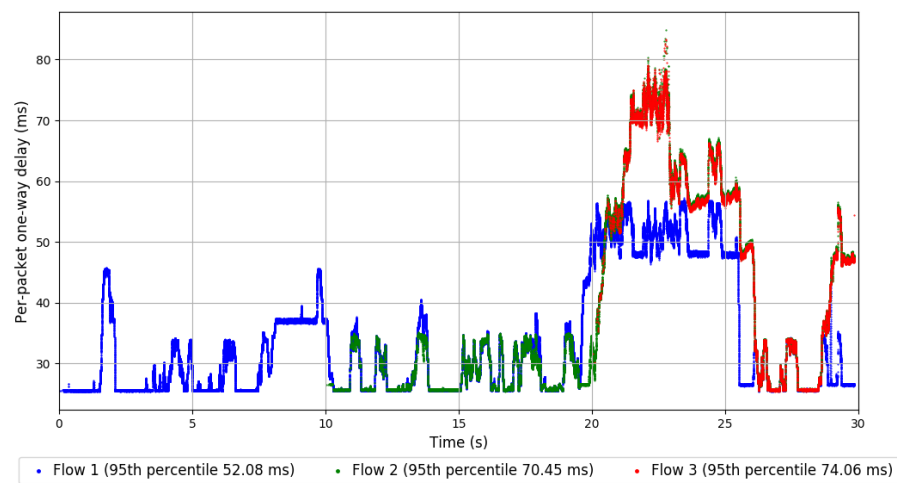
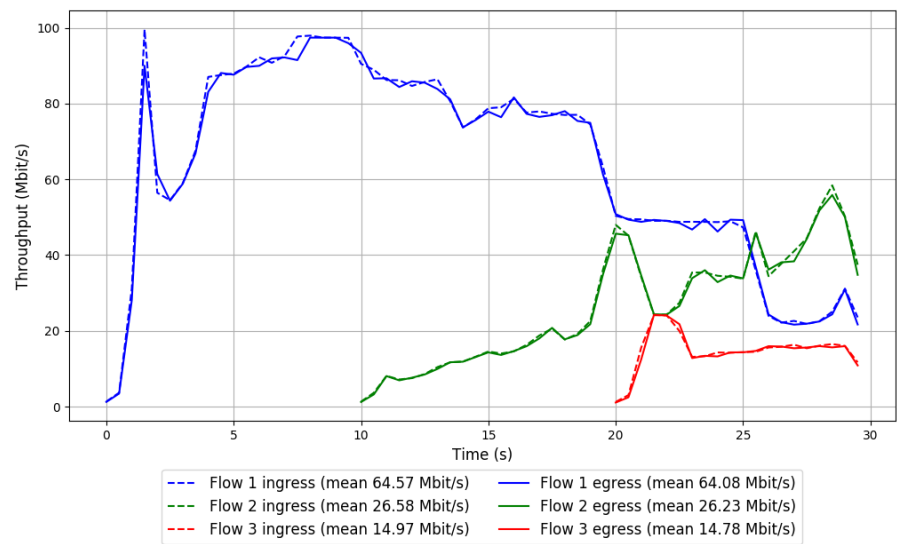


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-04 19:26:53
End at: 2018-02-04 19:27:24
Local clock offset: 0.377 ms
Remote clock offset: -5.548 ms

Below is generated by plot.py at 2018-02-05 02:34:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.35 Mbit/s
95th percentile per-packet one-way delay: 59.329 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 64.08 Mbit/s
95th percentile per-packet one-way delay: 52.078 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 70.453 ms
Loss rate: 1.62%
-- Flow 3:
Average throughput: 14.78 Mbit/s
95th percentile per-packet one-way delay: 74.061 ms
Loss rate: 1.76%

Run 5: Report of Vivace-LTE — Data Link

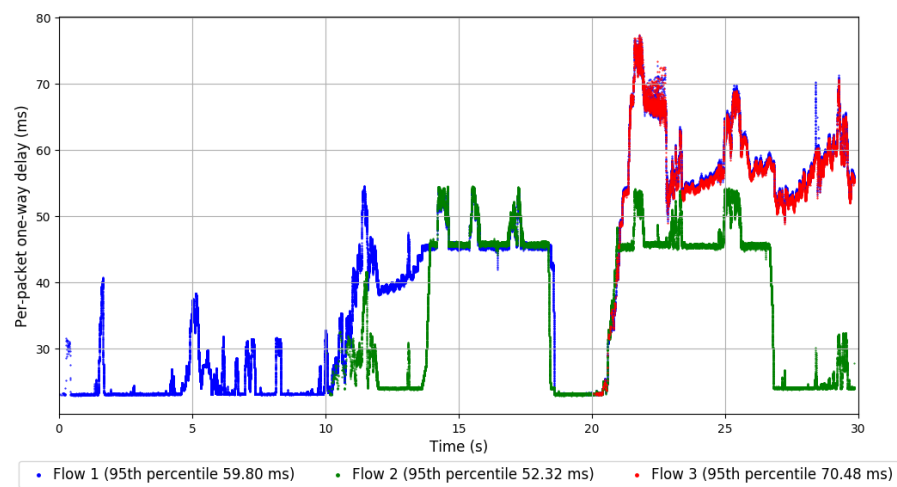
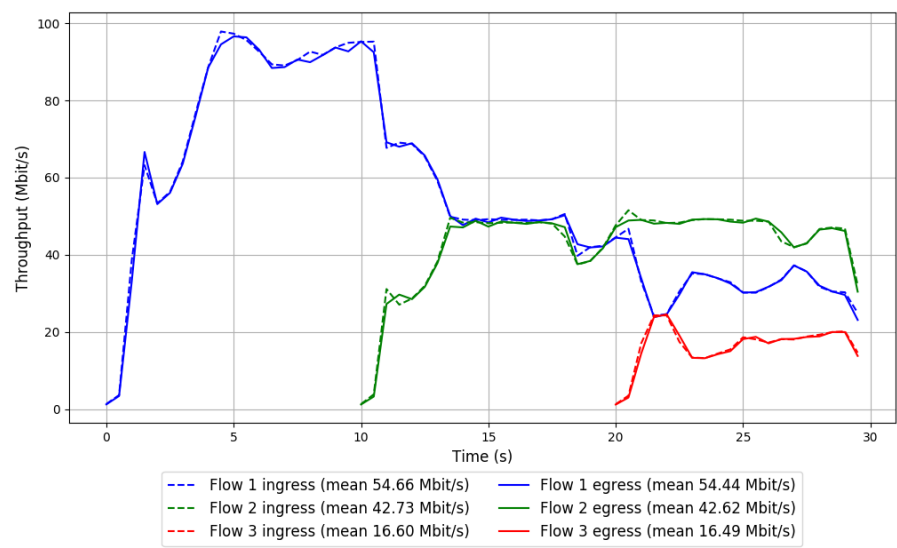


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-04 19:52:12
End at: 2018-02-04 19:52:42
Local clock offset: 0.562 ms
Remote clock offset: -3.349 ms

Below is generated by plot.py at 2018-02-05 02:34:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 60.441 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 54.44 Mbit/s
95th percentile per-packet one-way delay: 59.799 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 52.322 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 70.478 ms
Loss rate: 1.19%

Run 6: Report of Vivace-LTE — Data Link

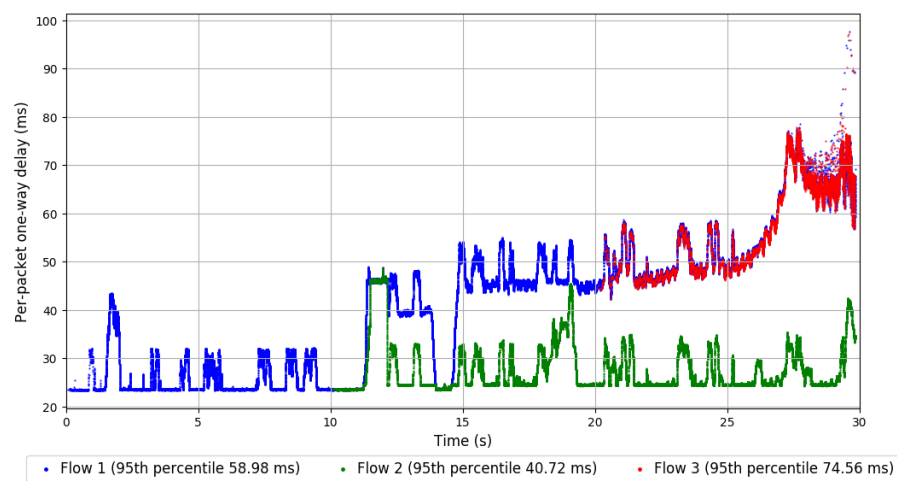
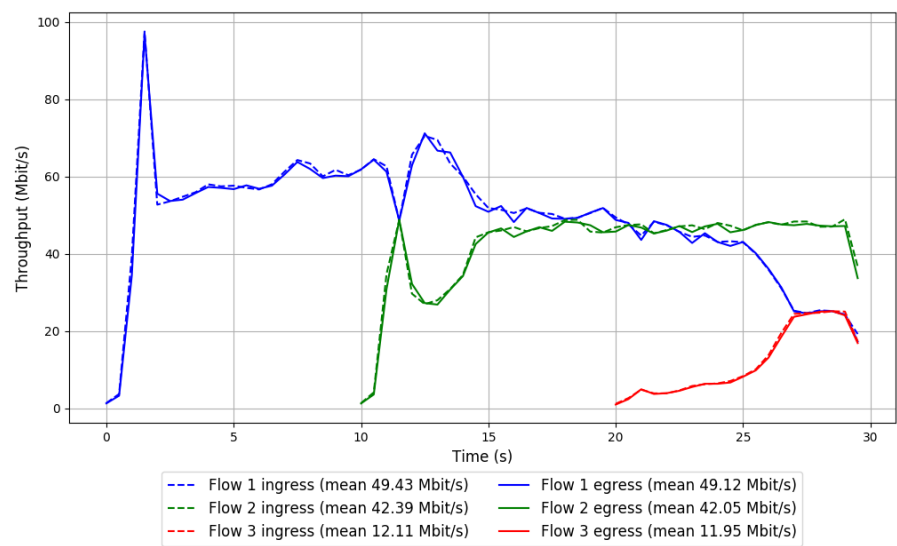


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-04 20:17:31
End at: 2018-02-04 20:18:01
Local clock offset: 0.646 ms
Remote clock offset: -3.758 ms

Below is generated by plot.py at 2018-02-05 02:34:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 64.132 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 58.978 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 42.05 Mbit/s
95th percentile per-packet one-way delay: 40.715 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 74.565 ms
Loss rate: 2.29%

Run 7: Report of Vivace-LTE — Data Link

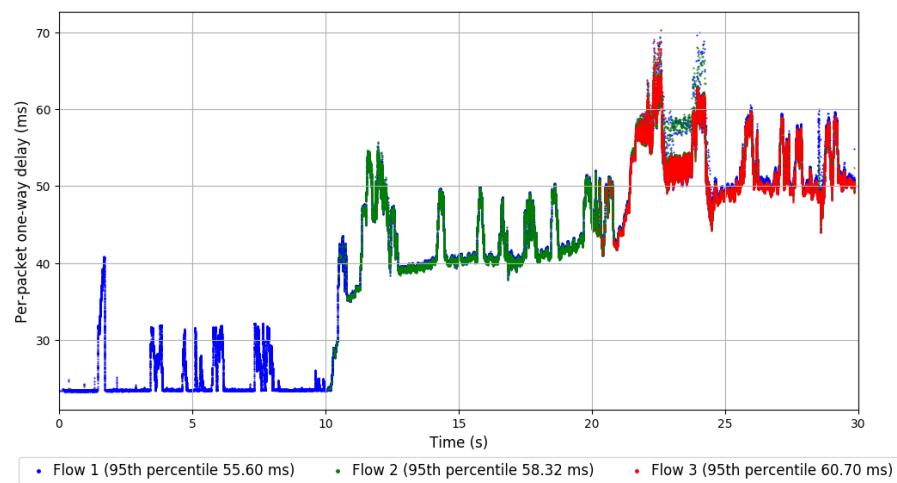
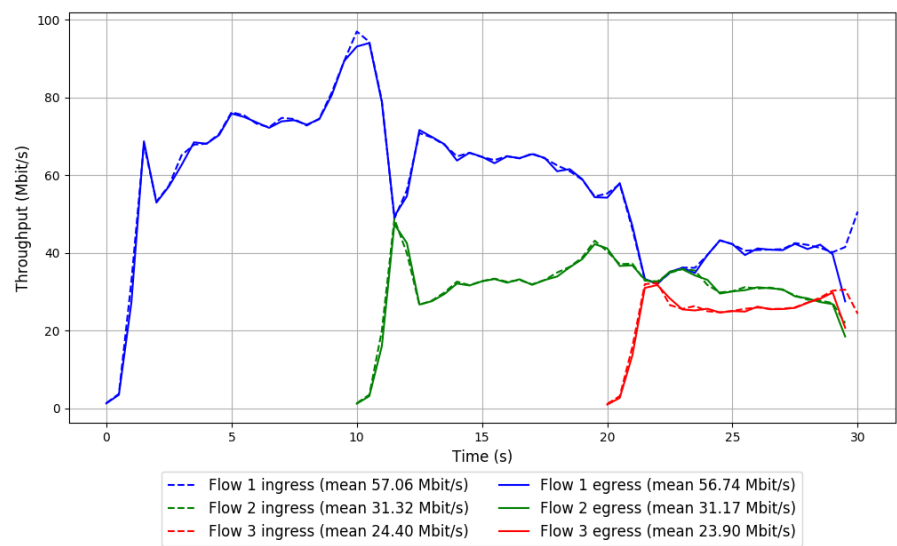


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-04 20:42:15
End at: 2018-02-04 20:42:45
Local clock offset: 0.305 ms
Remote clock offset: -3.483 ms

Below is generated by plot.py at 2018-02-05 02:34:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 57.440 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 55.600 ms
Loss rate: 2.45%
-- Flow 2:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 58.323 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 60.697 ms
Loss rate: 7.72%

Run 8: Report of Vivace-LTE — Data Link

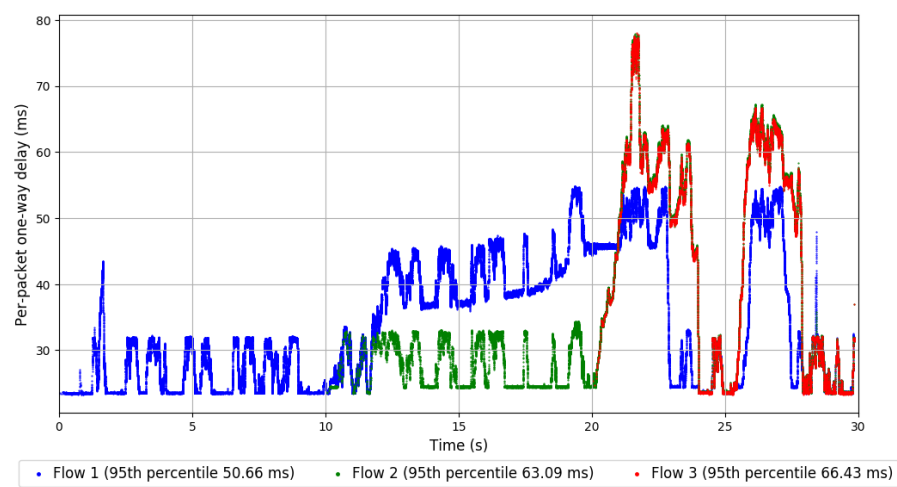
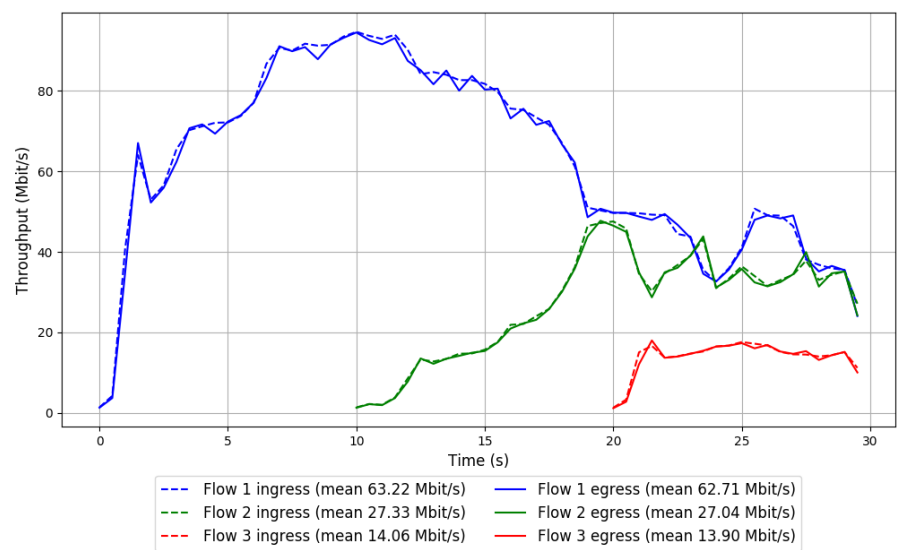


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-04 21:08:08
End at: 2018-02-04 21:08:38
Local clock offset: 0.306 ms
Remote clock offset: -4.255 ms

Below is generated by plot.py at 2018-02-05 02:34:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: 58.112 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 62.71 Mbit/s
95th percentile per-packet one-way delay: 50.658 ms
Loss rate: 0.98%
-- Flow 2:
Average throughput: 27.04 Mbit/s
95th percentile per-packet one-way delay: 63.092 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 66.430 ms
Loss rate: 1.65%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-04 21:33:59
End at: 2018-02-04 21:34:29
Local clock offset: 0.332 ms
Remote clock offset: -5.235 ms

Below is generated by plot.py at 2018-02-05 02:34:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 56.296 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 58.176 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 28.40 Mbit/s
95th percentile per-packet one-way delay: 48.373 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 27.38 Mbit/s
95th percentile per-packet one-way delay: 55.088 ms
Loss rate: 0.97%

Run 10: Report of Vivace-LTE — Data Link

