

Pantheon Report

Generated at 2017-11-16 14:08:34 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

Repeated the test of 14 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).

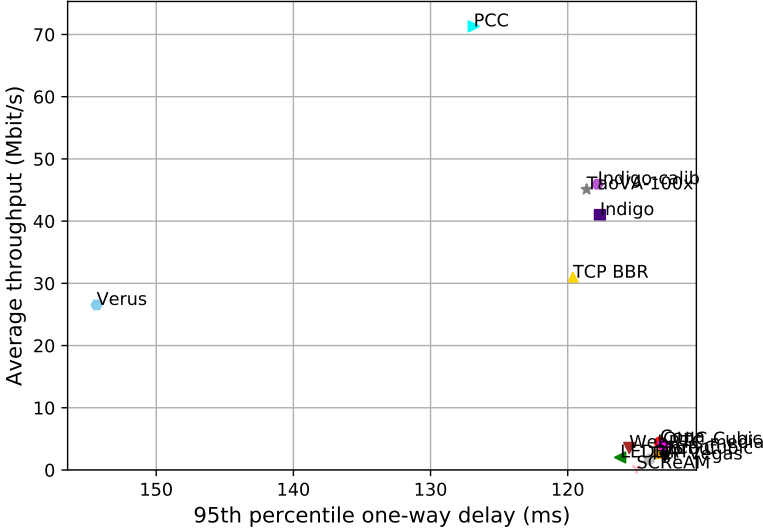
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

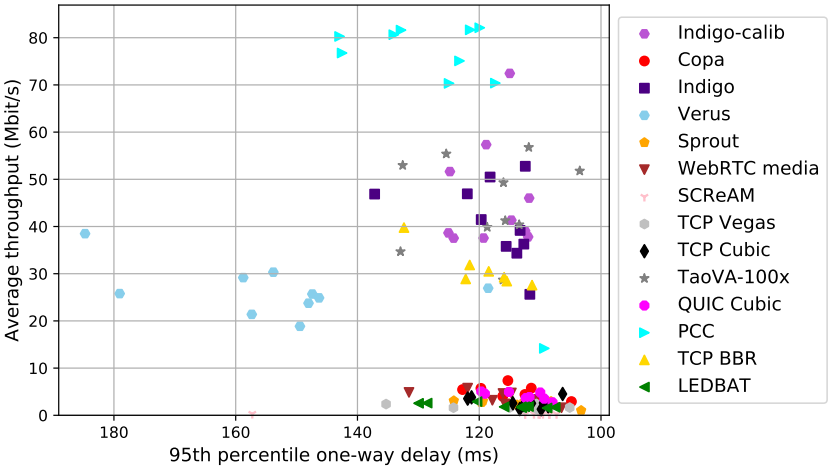
Git summary:

```
branch: indigos @ f54f2953f2a9765c9ffa988d13de5a9471790eb0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS Korea Ethernet to China 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	7	16.35	15.77	12.48	119.56	119.70	119.79	30.44	33.43	23.98
TCP Cubic	10	1.07	1.40	1.93	111.54	113.58	112.19	2.07	2.64	2.93
LEDBAT	10	1.08	0.95	0.96	116.18	115.99	116.13	1.48	1.83	1.61
PCC	10	49.31	30.24	5.66	126.35	128.08	127.70	3.93	4.27	4.17
QUIC Cubic	9	1.87	2.35	2.04	113.11	112.77	113.19	1.31	1.44	1.35
SCReAM	9	0.11	0.12	0.18	114.69	114.99	115.47	2.07	1.96	1.21
WebRTC media	10	1.73	1.27	0.58	115.48	115.35	115.60	1.74	1.76	1.96
Sprout	10	1.35	1.28	1.18	113.24	113.25	113.72	2.83	2.83	2.65
TaoVA-100x	10	30.18	14.73	19.30	117.64	119.55	120.47	4.07	6.50	8.91
TCP Vegas	10	0.79	0.90	0.96	114.11	114.05	114.18	1.92	1.97	1.71
Verus	10	15.47	11.72	10.88	142.66	130.52	127.75	61.29	54.54	51.07
Copa	10	2.36	8.56	6.82	112.77	113.31	112.06	1.52	6.37	6.88
Indigo	10	20.66	17.34	27.83	117.12	117.18	118.12	13.80	11.90	19.39
Indigo-calib	10	20.85	21.04	35.28	115.87	118.23	116.30	20.31	22.59	24.03

Run 1: Statistics of TCP BBR

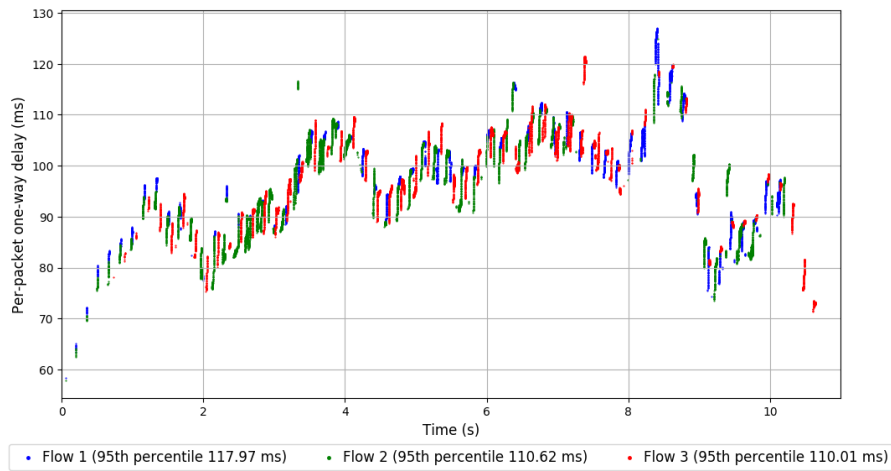
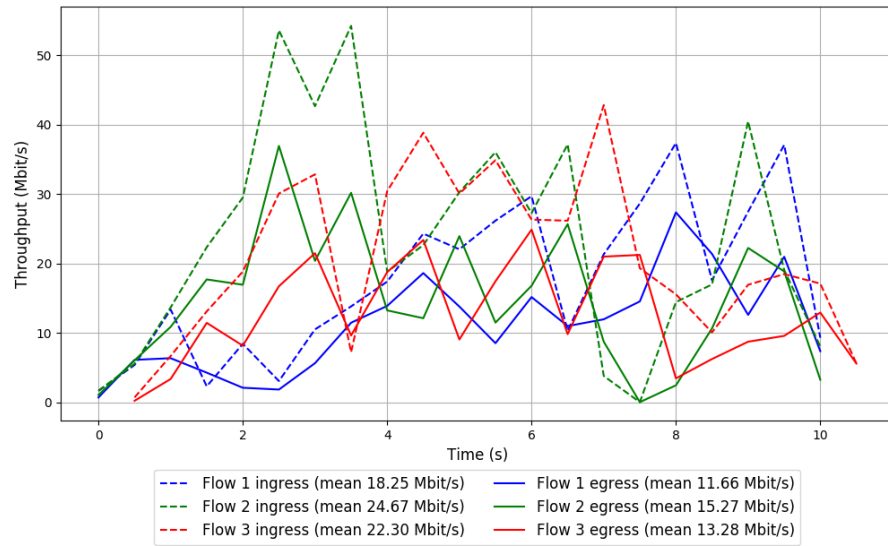
Start at: 2017-11-16 10:35:21

End at: 2017-11-16 10:35:51

Local clock offset: 1.947 ms

Remote clock offset: -40.357 ms

Run 1: Report of TCP BBR — Data Link

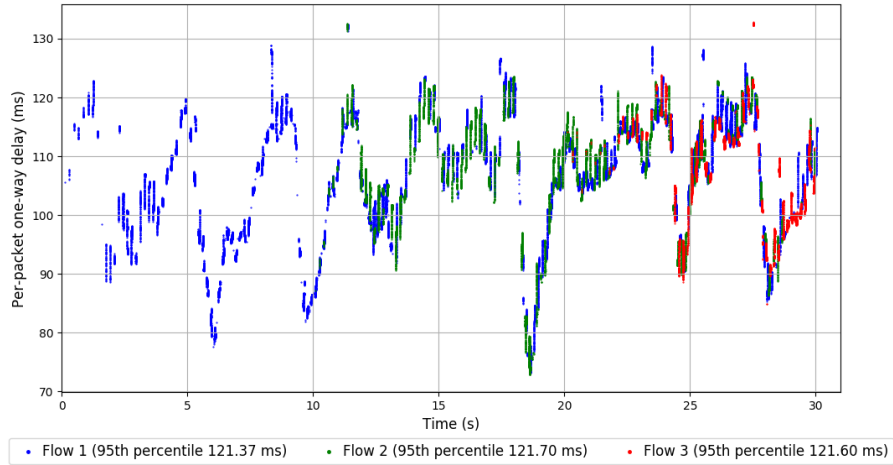
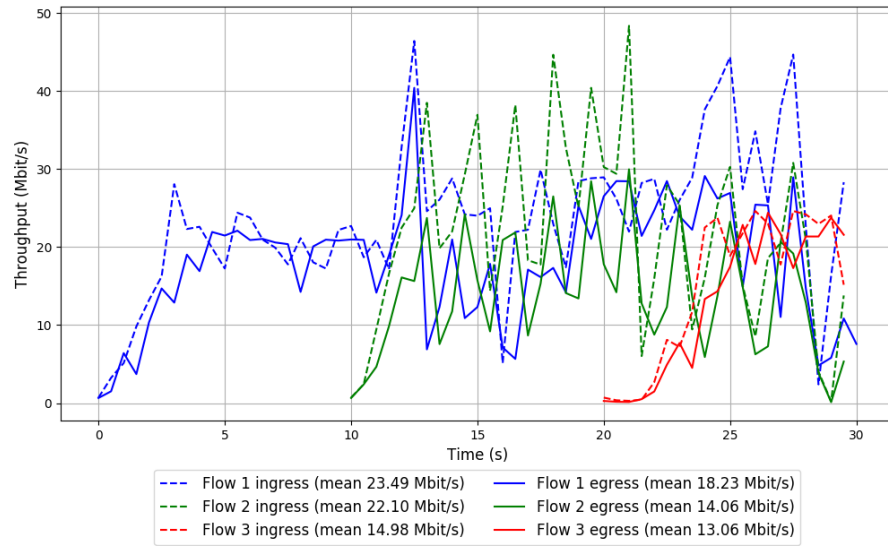


Run 2: Statistics of TCP BBR

Start at: 2017-11-16 10:54:27
End at: 2017-11-16 10:54:57
Local clock offset: 1.927 ms
Remote clock offset: -38.031 ms

Below is generated by plot.py at 2017-11-16 14:00:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 121.570 ms
Loss rate: 26.02%
-- Flow 1:
Average throughput: 18.23 Mbit/s
95th percentile per-packet one-way delay: 121.374 ms
Loss rate: 22.38%
-- Flow 2:
Average throughput: 14.06 Mbit/s
95th percentile per-packet one-way delay: 121.704 ms
Loss rate: 36.28%
-- Flow 3:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 121.596 ms
Loss rate: 12.83%

Run 2: Report of TCP BBR — Data Link

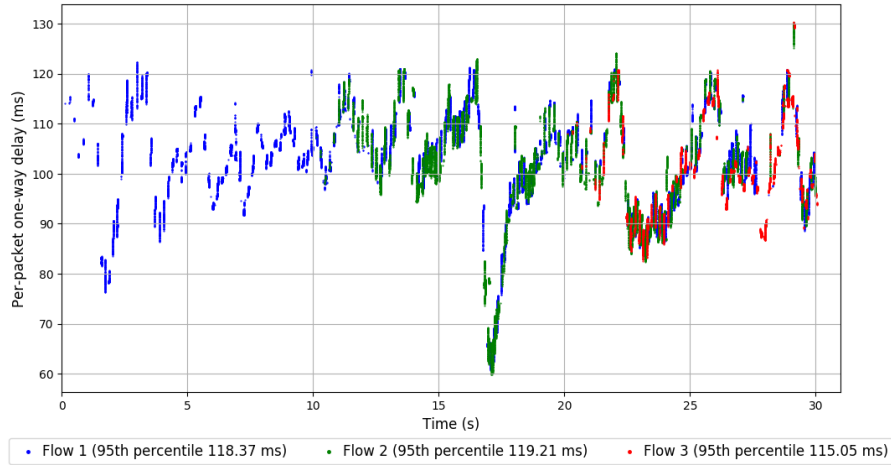
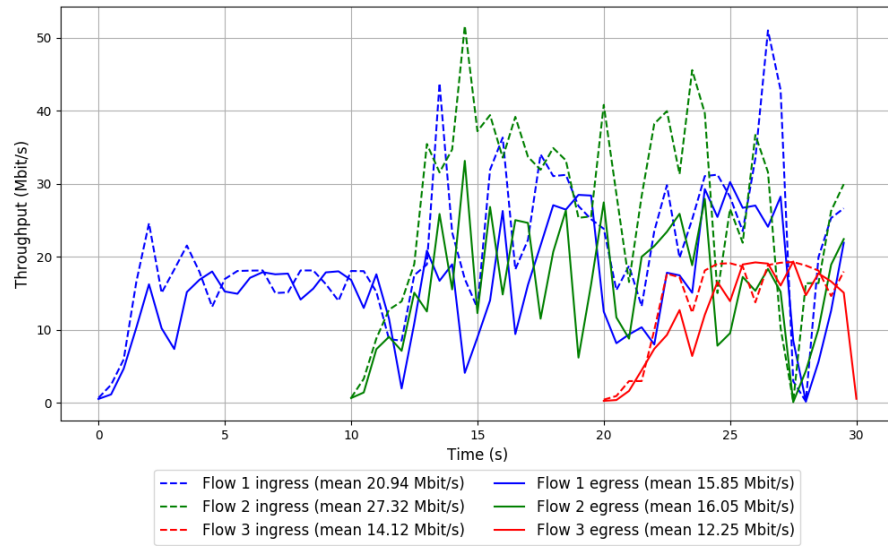


Run 3: Statistics of TCP BBR

Start at: 2017-11-16 11:13:09
End at: 2017-11-16 11:13:39
Local clock offset: 1.747 ms
Remote clock offset: -42.518 ms

Below is generated by plot.py at 2017-11-16 14:00:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 118.443 ms
Loss rate: 30.21%
-- Flow 1:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 118.366 ms
Loss rate: 24.36%
-- Flow 2:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 119.207 ms
Loss rate: 41.28%
-- Flow 3:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 115.050 ms
Loss rate: 13.40%

Run 3: Report of TCP BBR — Data Link

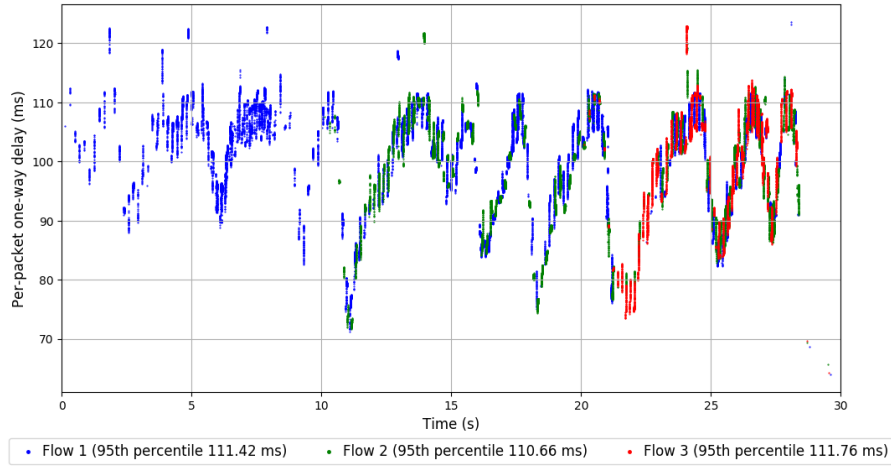
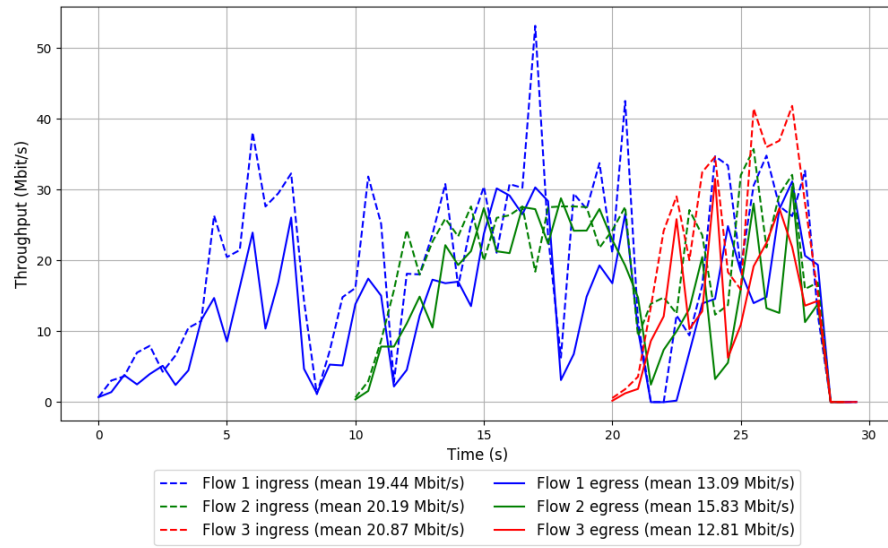


Run 4: Statistics of TCP BBR

Start at: 2017-11-16 11:32:10
End at: 2017-11-16 11:32:40
Local clock offset: 1.506 ms
Remote clock offset: -53.086 ms

Below is generated by plot.py at 2017-11-16 14:00:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 111.321 ms
Loss rate: 30.07%
-- Flow 1:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 111.421 ms
Loss rate: 32.74%
-- Flow 2:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 110.660 ms
Loss rate: 21.74%
-- Flow 3:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 111.757 ms
Loss rate: 38.89%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

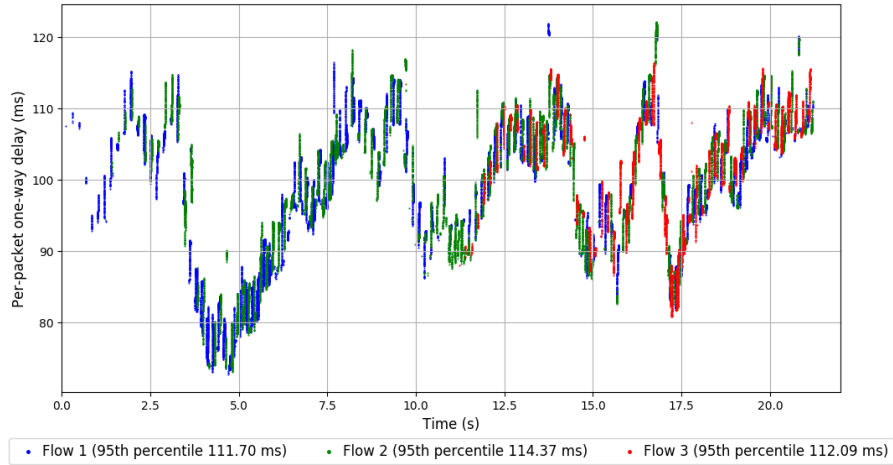
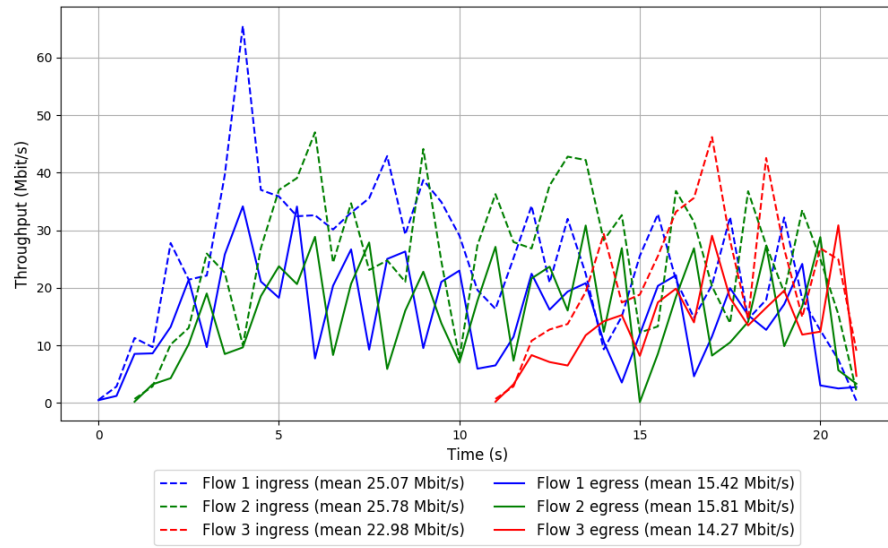
Start at: 2017-11-16 11:51:19

End at: 2017-11-16 11:51:49

Local clock offset: 1.321 ms

Remote clock offset: -51.196 ms

Run 5: Report of TCP BBR — Data Link

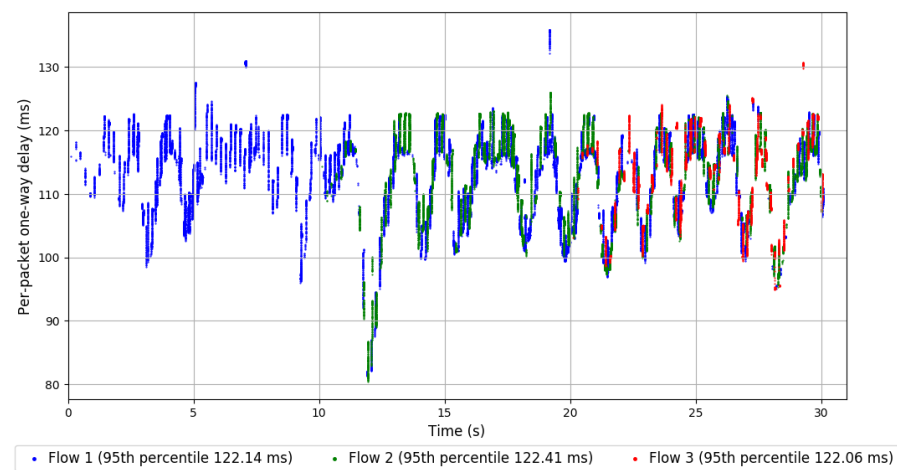
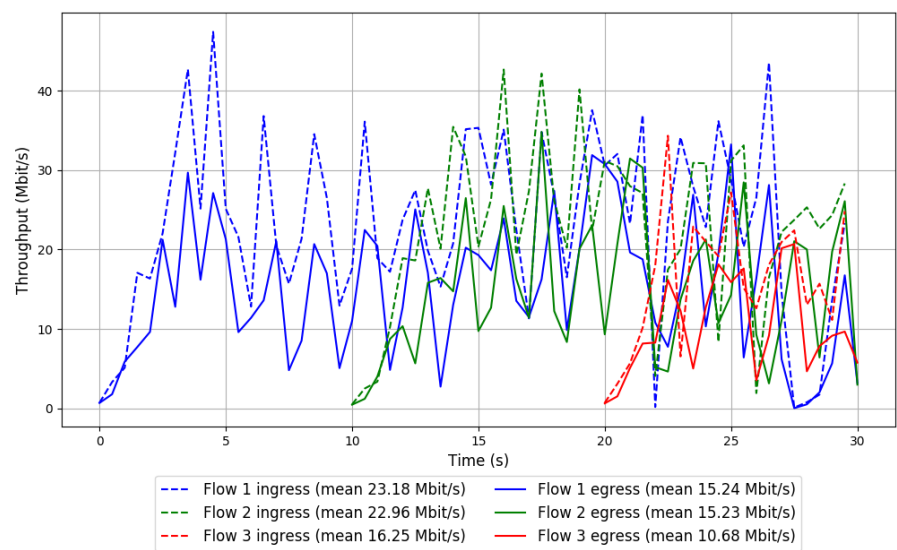


Run 6: Statistics of TCP BBR

Start at: 2017-11-16 12:10:38
End at: 2017-11-16 12:11:08
Local clock offset: 0.938 ms
Remote clock offset: -44.544 ms

Below is generated by plot.py at 2017-11-16 14:00:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 122.223 ms
Loss rate: 34.06%
-- Flow 1:
Average throughput: 15.24 Mbit/s
95th percentile per-packet one-way delay: 122.142 ms
Loss rate: 34.28%
-- Flow 2:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 122.413 ms
Loss rate: 33.67%
-- Flow 3:
Average throughput: 10.68 Mbit/s
95th percentile per-packet one-way delay: 122.056 ms
Loss rate: 34.25%

Run 6: Report of TCP BBR — Data Link

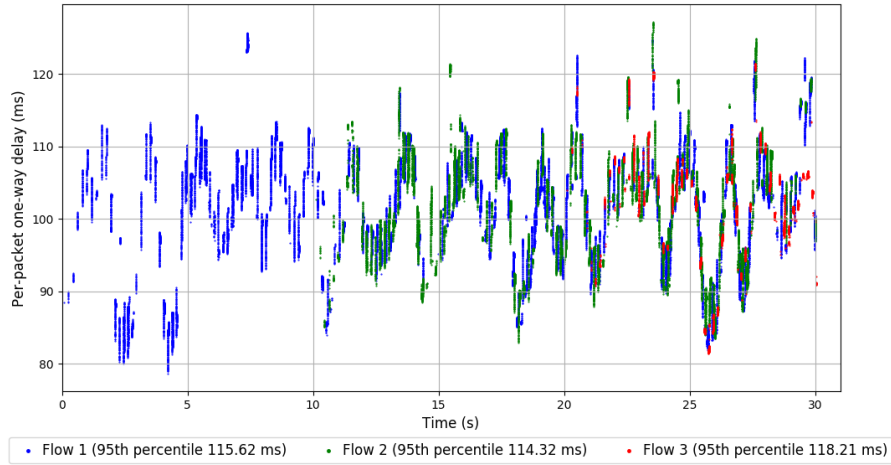
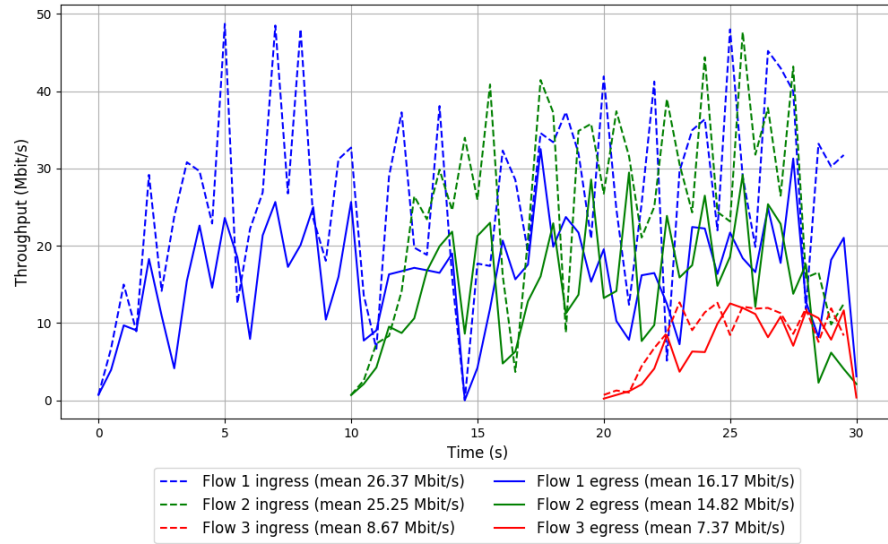


Run 7: Statistics of TCP BBR

Start at: 2017-11-16 12:30:21
End at: 2017-11-16 12:30:51
Local clock offset: 0.931 ms
Remote clock offset: -52.979 ms

Below is generated by plot.py at 2017-11-16 14:00:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.44 Mbit/s
95th percentile per-packet one-way delay: 115.476 ms
Loss rate: 38.17%
-- Flow 1:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 115.616 ms
Loss rate: 38.68%
-- Flow 2:
Average throughput: 14.82 Mbit/s
95th percentile per-packet one-way delay: 114.316 ms
Loss rate: 41.33%
-- Flow 3:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 118.209 ms
Loss rate: 15.12%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

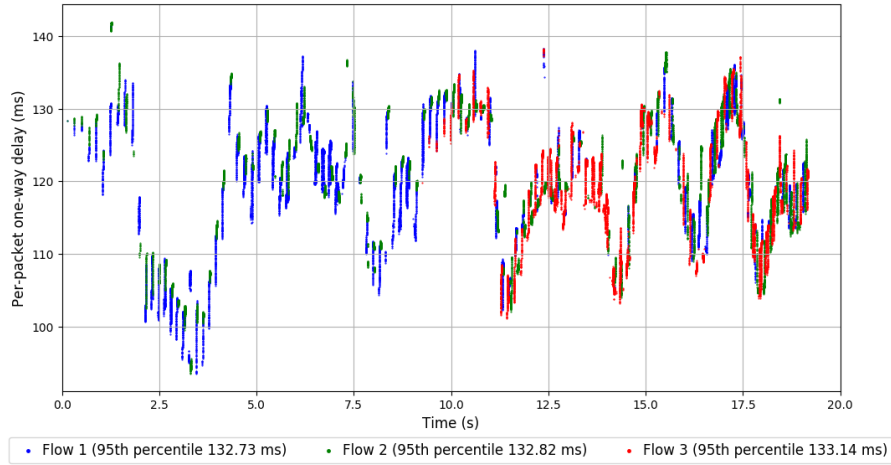
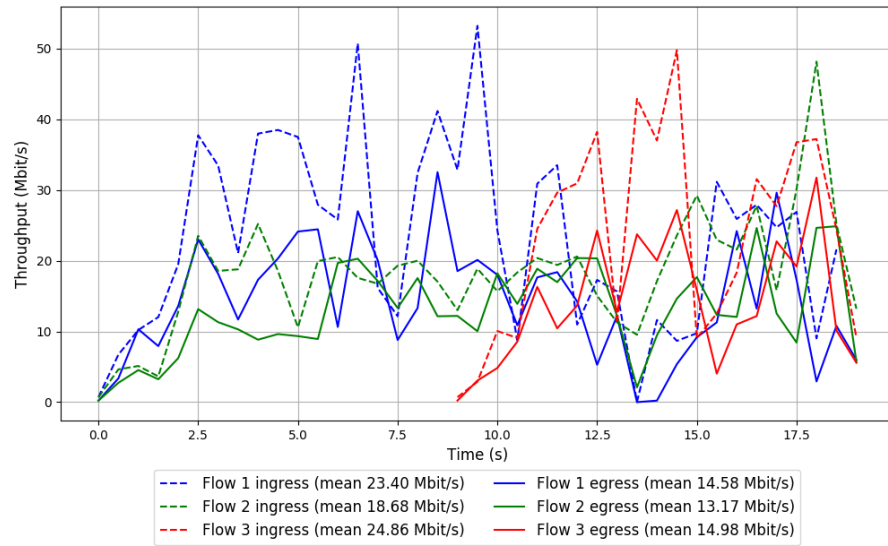
Start at: 2017-11-16 12:49:41

End at: 2017-11-16 12:50:11

Local clock offset: 0.71 ms

Remote clock offset: -27.57 ms

Run 8: Report of TCP BBR — Data Link

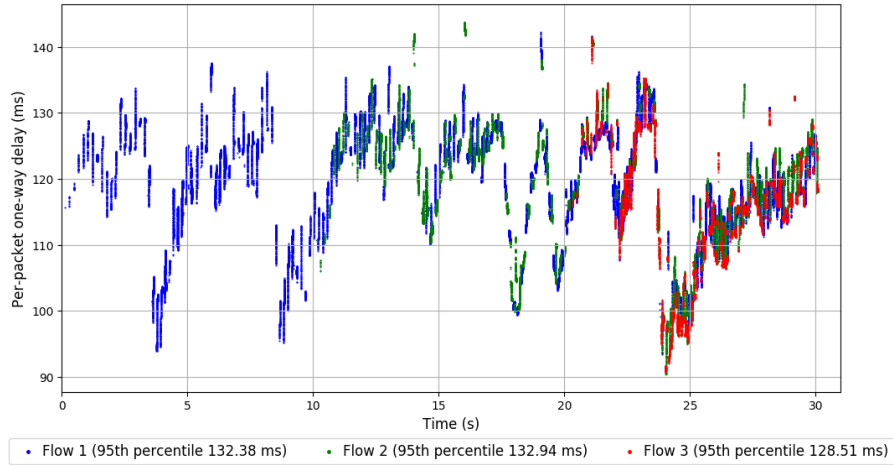
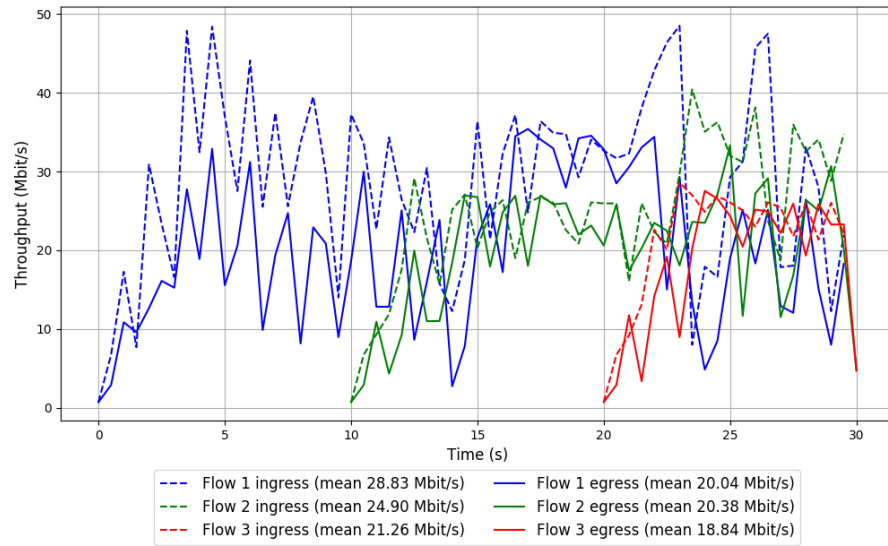


Run 9: Statistics of TCP BBR

Start at: 2017-11-16 13:09:45
End at: 2017-11-16 13:10:15
Local clock offset: 0.633 ms
Remote clock offset: -28.266 ms

Below is generated by plot.py at 2017-11-16 14:01:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 132.360 ms
Loss rate: 23.97%
-- Flow 1:
Average throughput: 20.04 Mbit/s
95th percentile per-packet one-way delay: 132.384 ms
Loss rate: 30.46%
-- Flow 2:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 132.943 ms
Loss rate: 18.07%
-- Flow 3:
Average throughput: 18.84 Mbit/s
95th percentile per-packet one-way delay: 128.506 ms
Loss rate: 11.33%

Run 9: Report of TCP BBR — Data Link

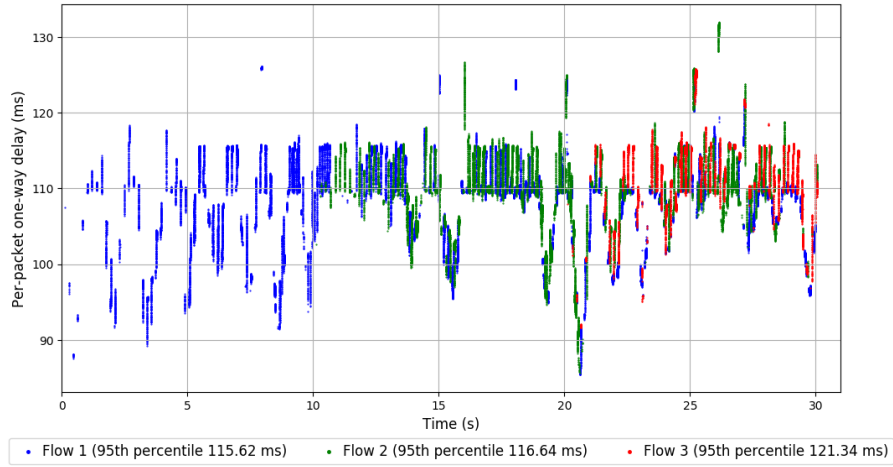
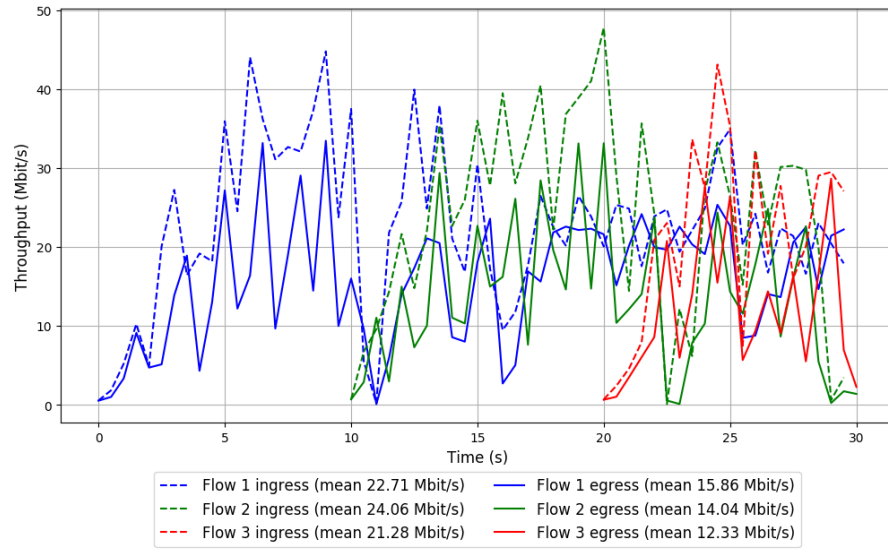


Run 10: Statistics of TCP BBR

Start at: 2017-11-16 13:30:34
End at: 2017-11-16 13:31:04
Local clock offset: 1.112 ms
Remote clock offset: -46.159 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 115.911 ms
Loss rate: 36.02%
-- Flow 1:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 115.619 ms
Loss rate: 30.17%
-- Flow 2:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 116.635 ms
Loss rate: 41.63%
-- Flow 3:
Average throughput: 12.33 Mbit/s
95th percentile per-packet one-way delay: 121.340 ms
Loss rate: 42.05%

Run 10: Report of TCP BBR — Data Link

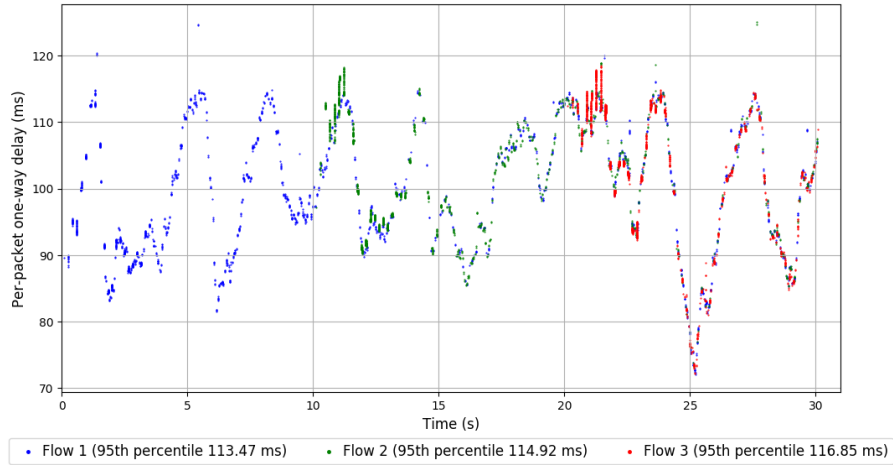
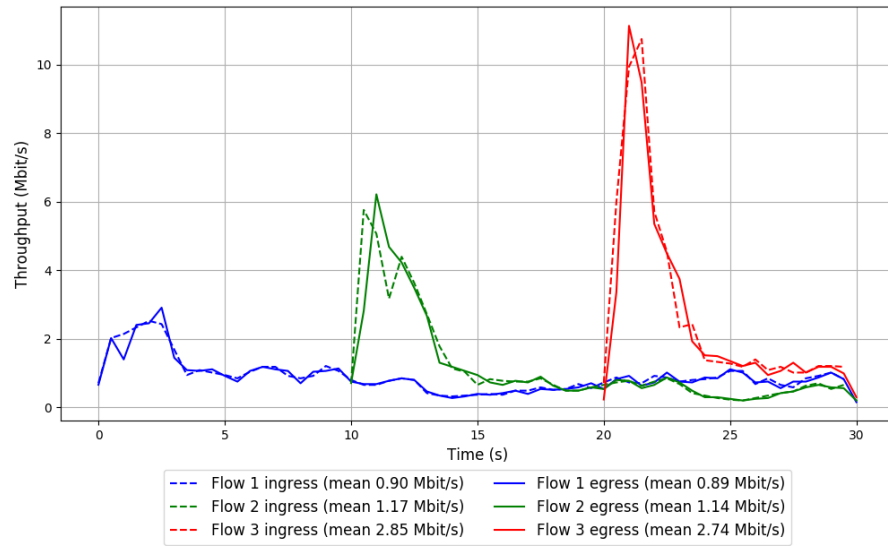


Run 1: Statistics of TCP Cubic

Start at: 2017-11-16 10:50:09
End at: 2017-11-16 10:50:39
Local clock offset: 1.963 ms
Remote clock offset: -41.056 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 114.481 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 113.471 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 114.918 ms
Loss rate: 2.32%
-- Flow 3:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 116.850 ms
Loss rate: 4.06%

Run 1: Report of TCP Cubic — Data Link

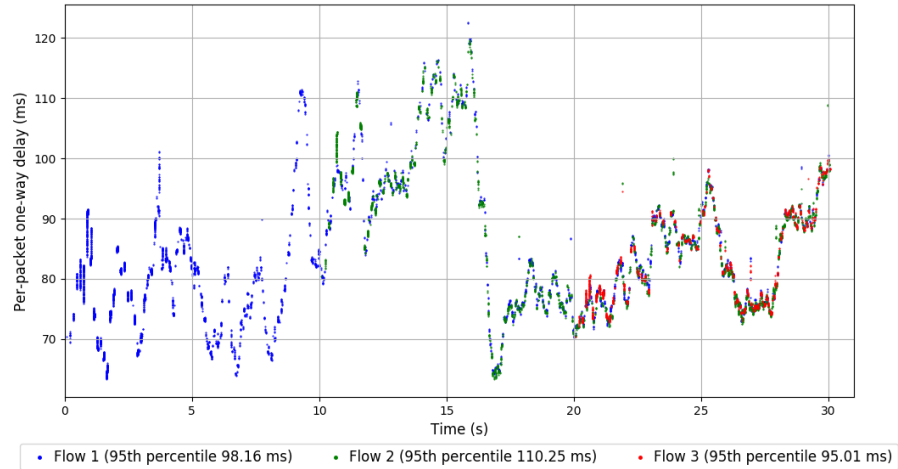
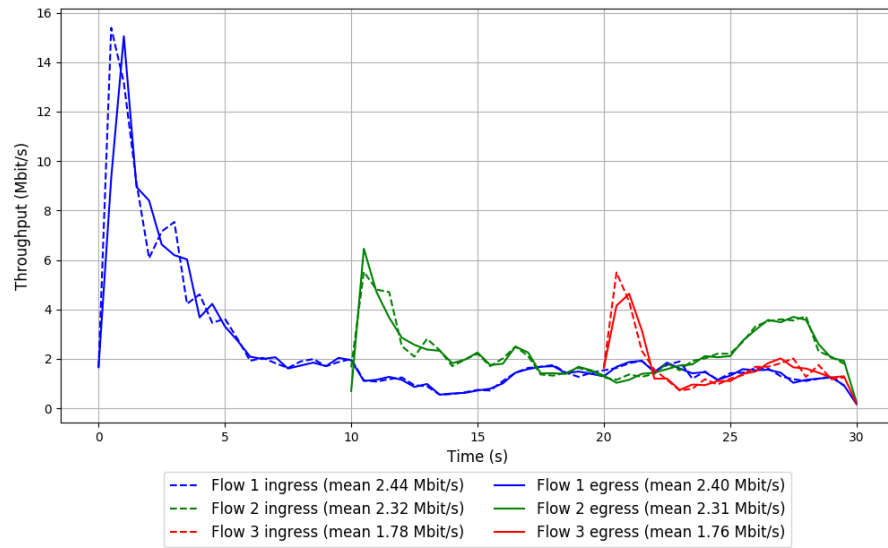


Run 2: Statistics of TCP Cubic

Start at: 2017-11-16 11:08:54
End at: 2017-11-16 11:09:24
Local clock offset: 1.757 ms
Remote clock offset: -23.625 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.51 Mbit/s
95th percentile per-packet one-way delay: 106.299 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 98.162 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 110.251 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 1.76 Mbit/s
95th percentile per-packet one-way delay: 95.008 ms
Loss rate: 1.02%

Run 2: Report of TCP Cubic — Data Link

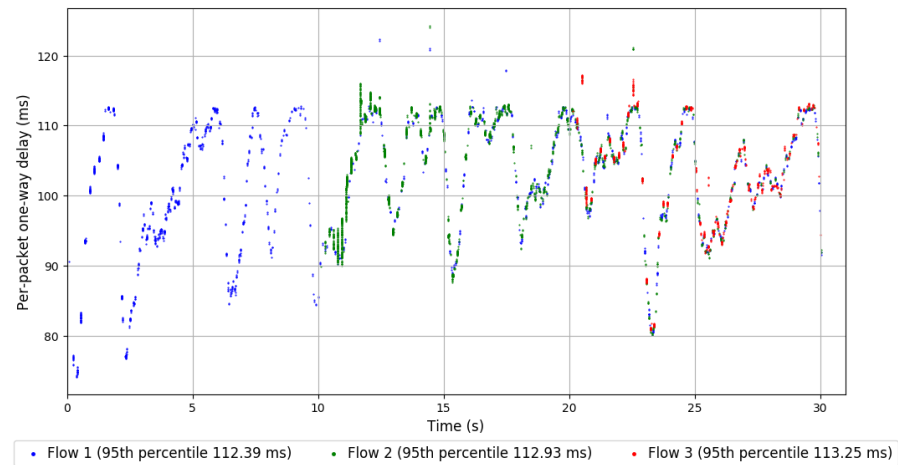
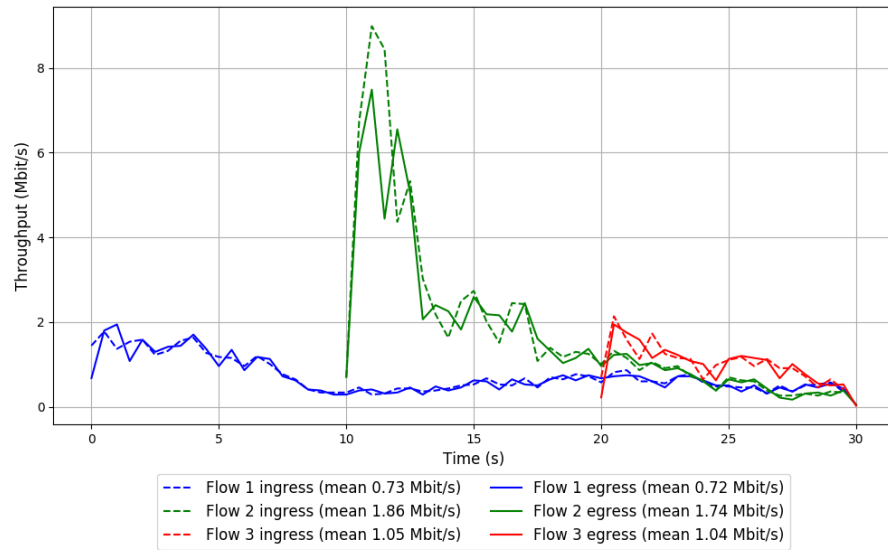


Run 3: Statistics of TCP Cubic

Start at: 2017-11-16 11:27:53
End at: 2017-11-16 11:28:23
Local clock offset: 1.58 ms
Remote clock offset: -45.944 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 112.705 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 112.393 ms
Loss rate: 1.97%
-- Flow 2:
Average throughput: 1.74 Mbit/s
95th percentile per-packet one-way delay: 112.930 ms
Loss rate: 6.56%
-- Flow 3:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 113.245 ms
Loss rate: 1.38%

Run 3: Report of TCP Cubic — Data Link

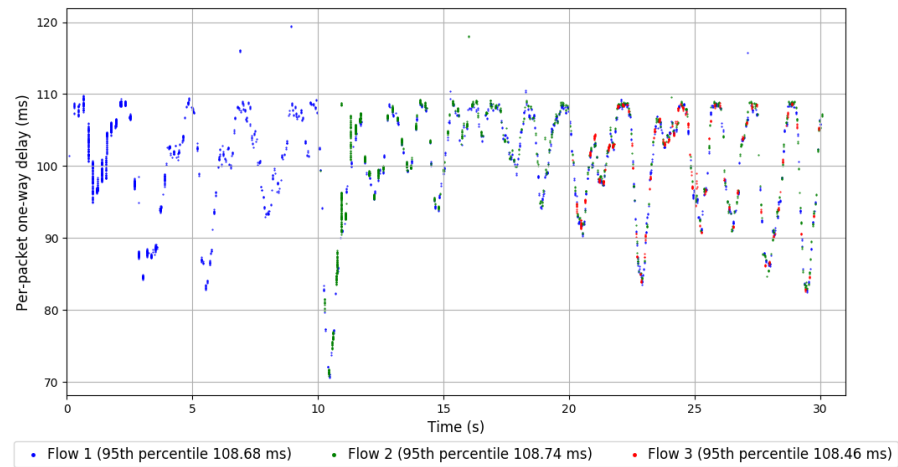
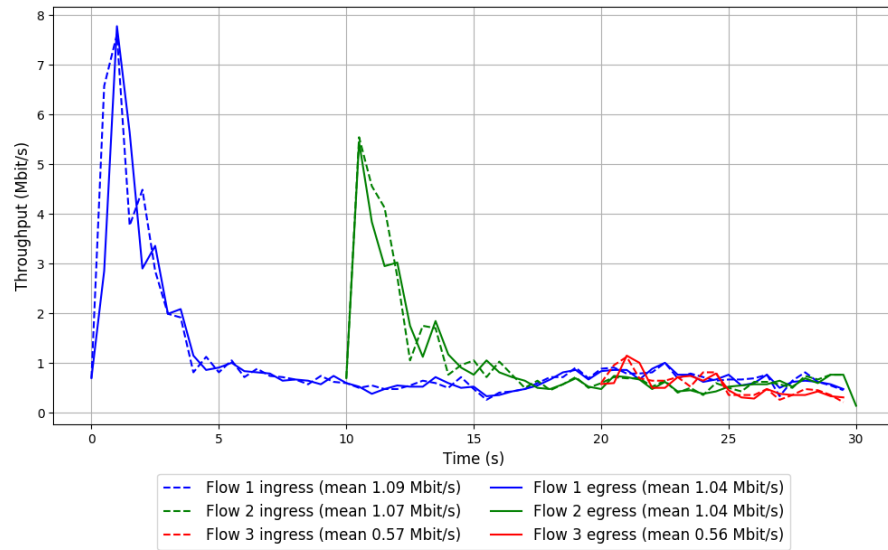


Run 4: Statistics of TCP Cubic

Start at: 2017-11-16 11:47:00
End at: 2017-11-16 11:47:30
Local clock offset: 1.277 ms
Remote clock offset: -51.08 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 108.668 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 108.678 ms
Loss rate: 4.35%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 108.737 ms
Loss rate: 3.47%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 108.463 ms
Loss rate: 2.56%

Run 4: Report of TCP Cubic — Data Link

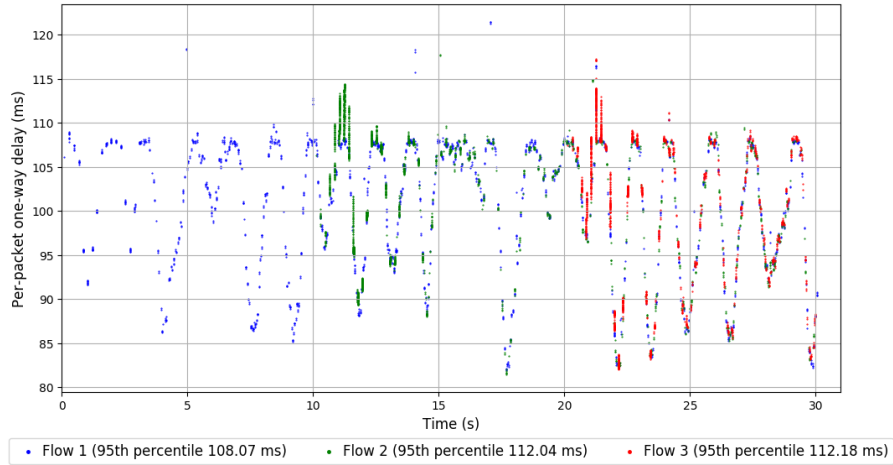
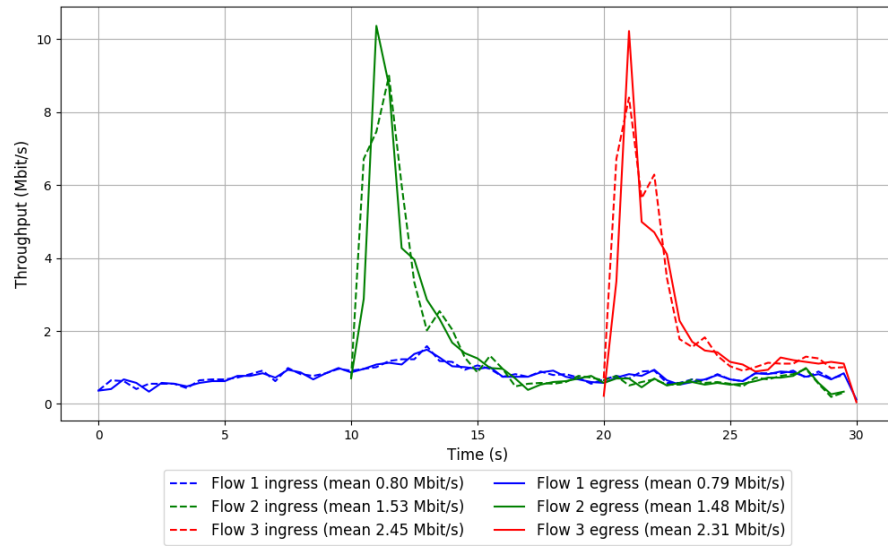


Run 5: Statistics of TCP Cubic

Start at: 2017-11-16 12:06:05
End at: 2017-11-16 12:06:35
Local clock offset: 1.06 ms
Remote clock offset: -53.135 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 111.397 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 108.073 ms
Loss rate: 1.36%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 112.044 ms
Loss rate: 3.25%
-- Flow 3:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 112.177 ms
Loss rate: 6.09%

Run 5: Report of TCP Cubic — Data Link

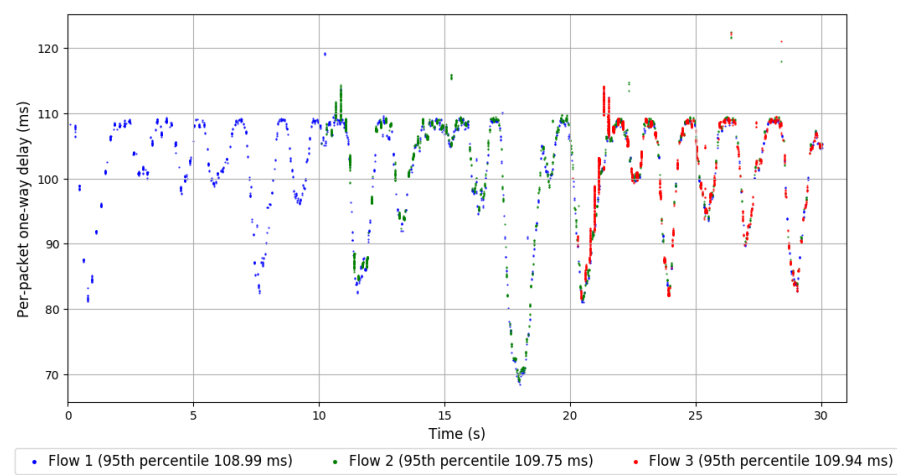
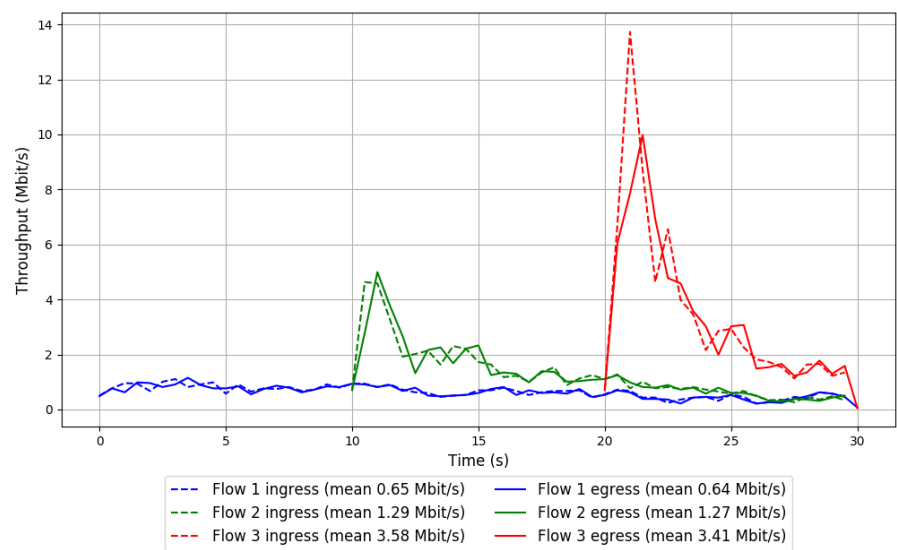


Run 6: Statistics of TCP Cubic

Start at: 2017-11-16 12:26:04
End at: 2017-11-16 12:26:34
Local clock offset: 0.755 ms
Remote clock offset: -50.527 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 109.477 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 108.992 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 109.745 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 109.944 ms
Loss rate: 4.58%

Run 6: Report of TCP Cubic — Data Link

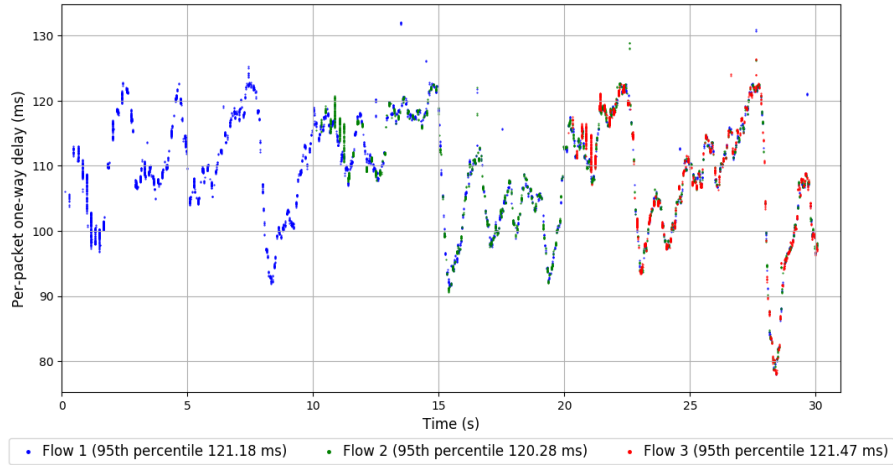
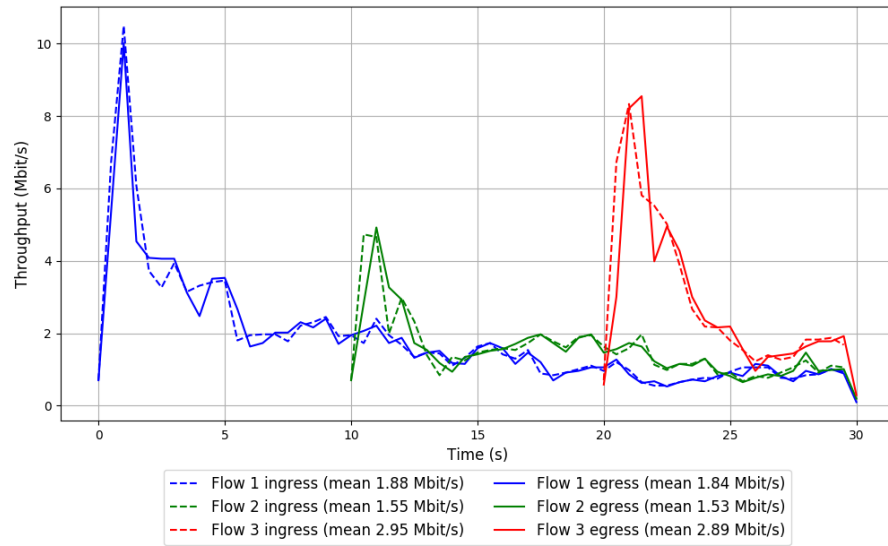


Run 7: Statistics of TCP Cubic

Start at: 2017-11-16 12:45:20
End at: 2017-11-16 12:45:50
Local clock offset: 0.759 ms
Remote clock offset: -35.013 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 121.261 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 121.177 ms
Loss rate: 2.09%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 120.282 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 121.465 ms
Loss rate: 2.45%

Run 7: Report of TCP Cubic — Data Link

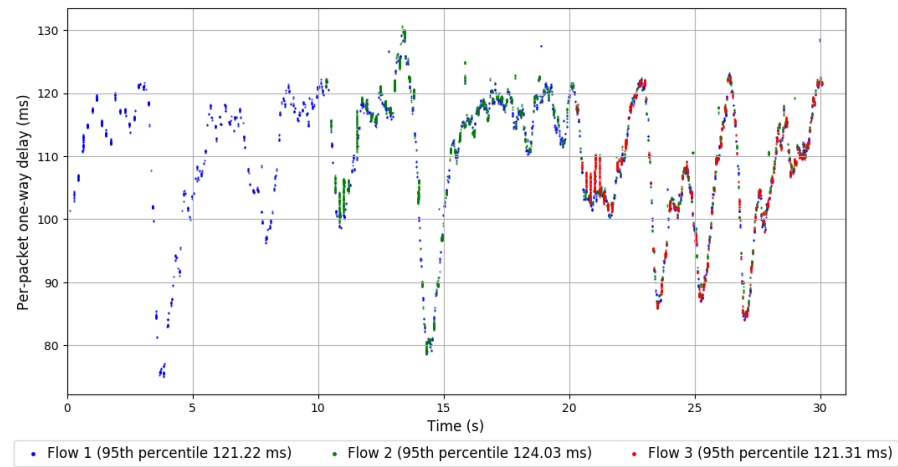
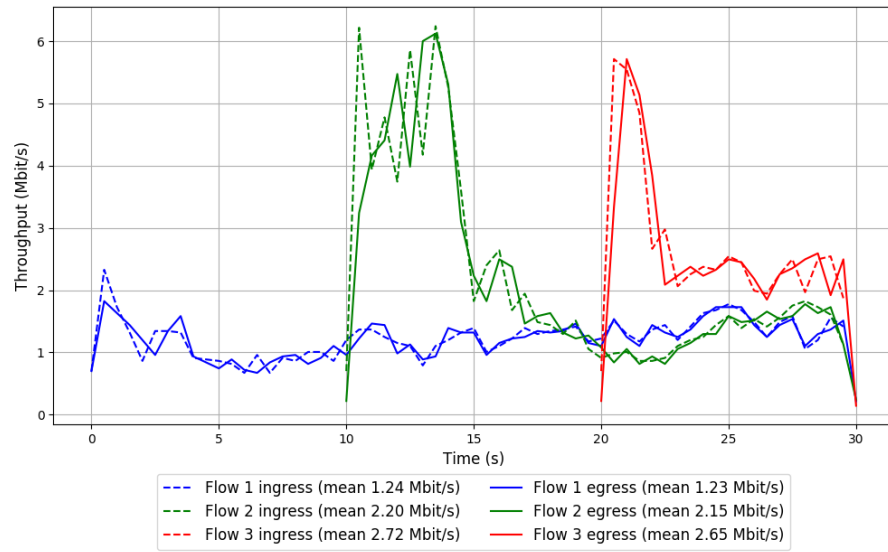


Run 8: Statistics of TCP Cubic

Start at: 2017-11-16 13:05:08
End at: 2017-11-16 13:05:38
Local clock offset: 0.537 ms
Remote clock offset: -34.921 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 121.905 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 121.217 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 124.031 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 121.311 ms
Loss rate: 2.40%

Run 8: Report of TCP Cubic — Data Link

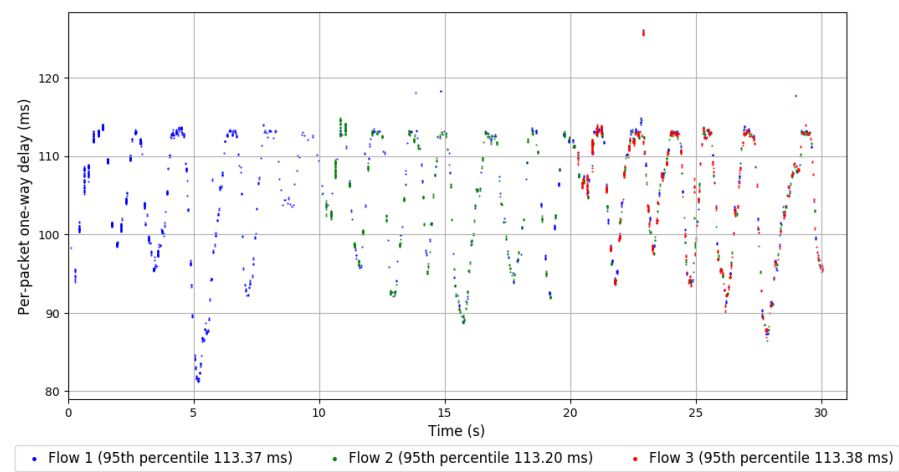
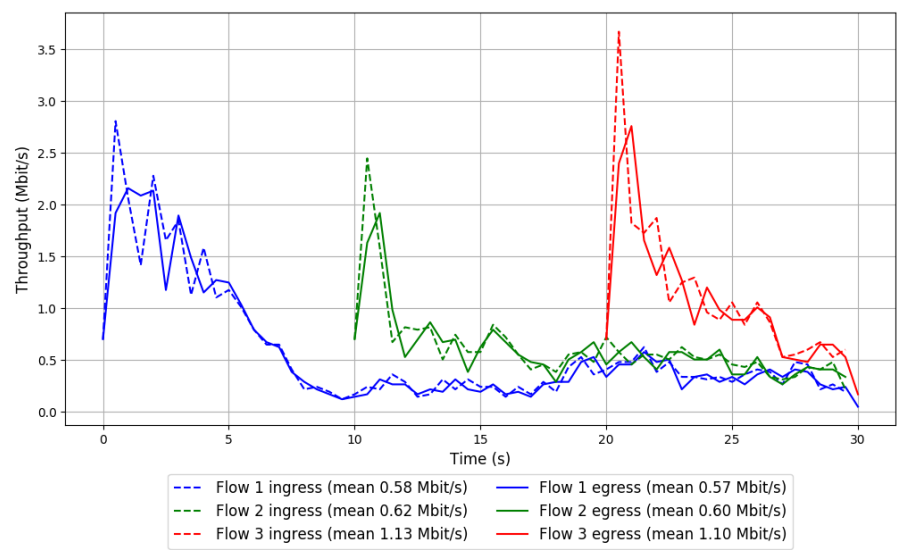


Run 9: Statistics of TCP Cubic

Start at: 2017-11-16 13:25:26
End at: 2017-11-16 13:25:56
Local clock offset: 1.061 ms
Remote clock offset: -43.304 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 113.344 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 113.369 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 113.196 ms
Loss rate: 3.12%
-- Flow 3:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 113.376 ms
Loss rate: 2.77%

Run 9: Report of TCP Cubic — Data Link

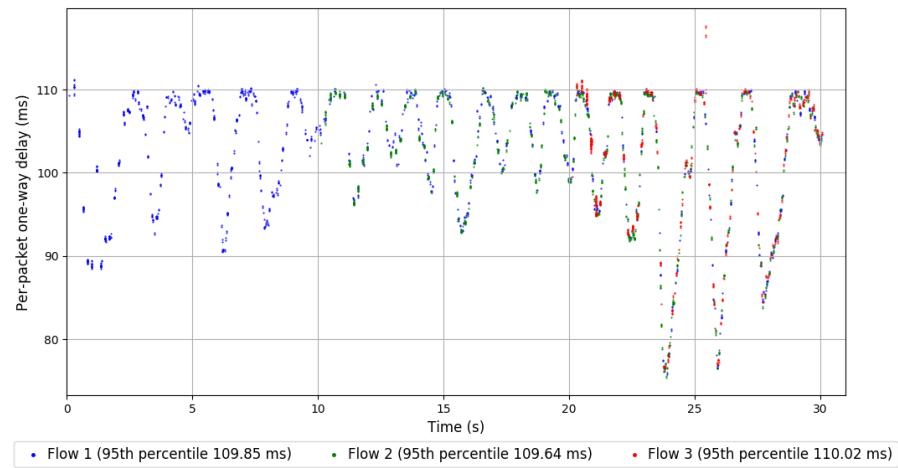
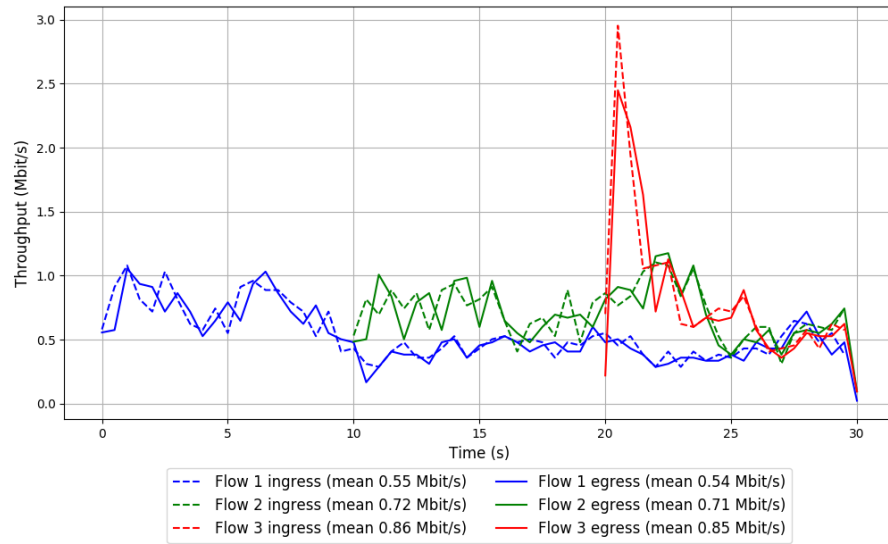


Run 10: Statistics of TCP Cubic

Start at: 2017-11-16 13:46:00
End at: 2017-11-16 13:46:30
Local clock offset: 1.175 ms
Remote clock offset: -45.411 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 109.822 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 109.847 ms
Loss rate: 2.49%
-- Flow 2:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 109.642 ms
Loss rate: 2.00%
-- Flow 3:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 110.019 ms
Loss rate: 1.96%

Run 10: Report of TCP Cubic — Data Link

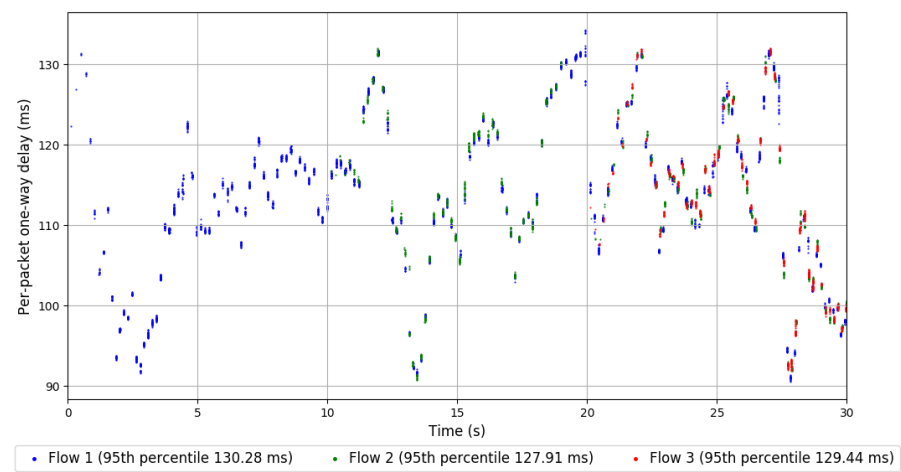
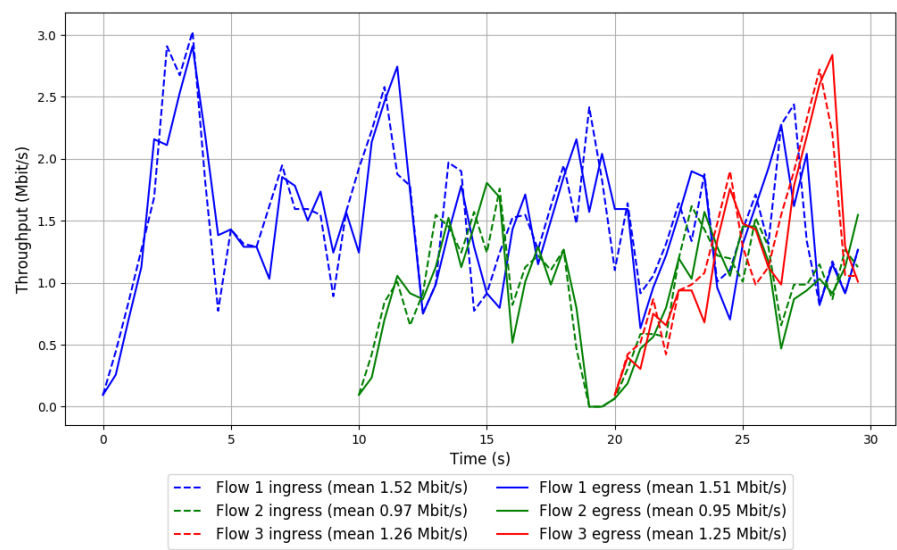


```
Run 1: Statistics of LEDBAT

Start at: 2017-11-16 10:39:20
End at: 2017-11-16 10:39:50
Local clock offset: 2.016 ms
Remote clock offset: -22.329 ms

# Below is generated by plot.py at 2017-11-16 14:01:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 129.972 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 130.280 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 127.911 ms
Loss rate: 1.89%
-- Flow 3:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 129.441 ms
Loss rate: 1.32%
```


Run 1: Report of LEDBAT — Data Link

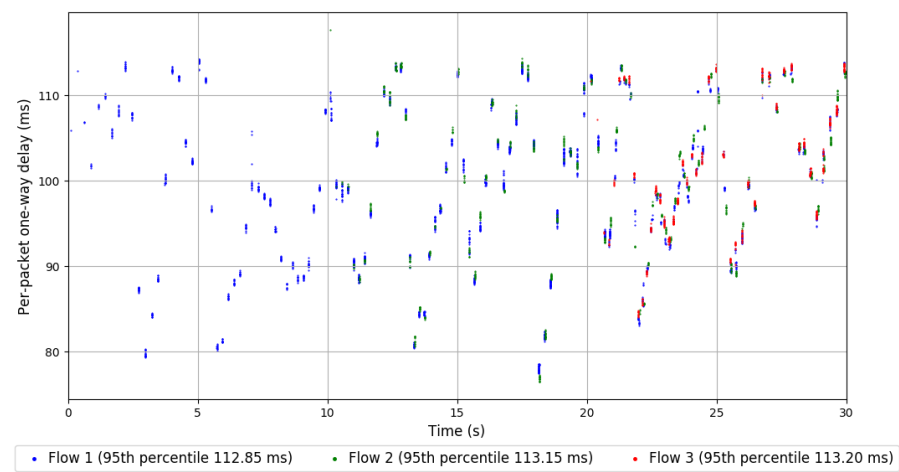
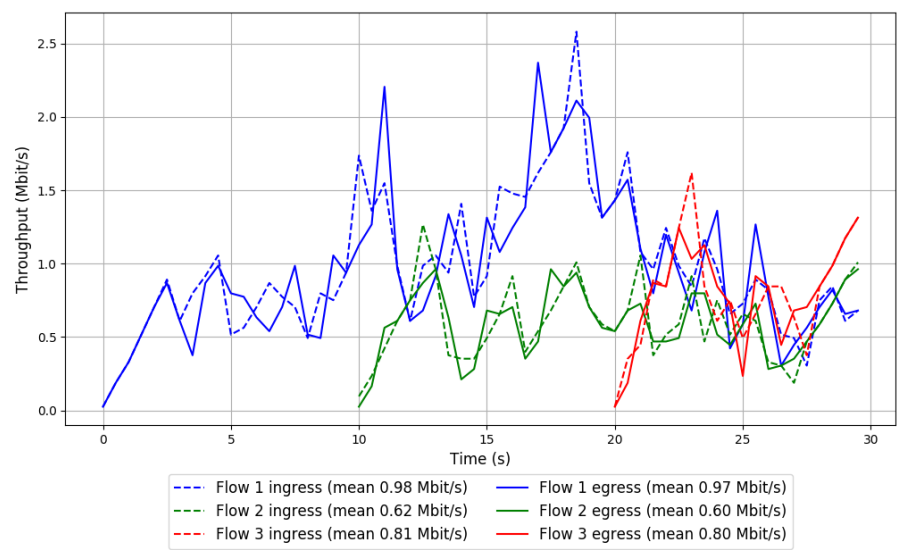


Run 2: Statistics of LEDBAT

Start at: 2017-11-16 10:58:28
End at: 2017-11-16 10:58:58
Local clock offset: 1.8 ms
Remote clock offset: -42.952 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 113.019 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 112.854 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 113.151 ms
Loss rate: 2.69%
-- Flow 3:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 113.203 ms
Loss rate: 0.89%

Run 2: Report of LEDBAT — Data Link

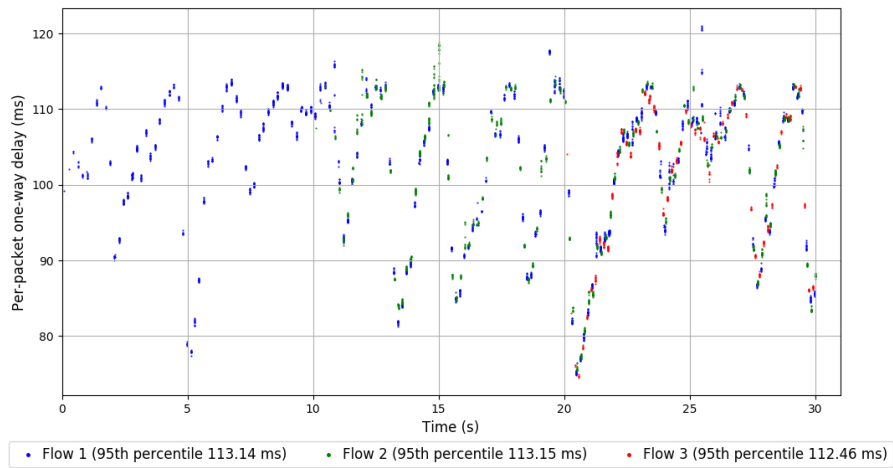
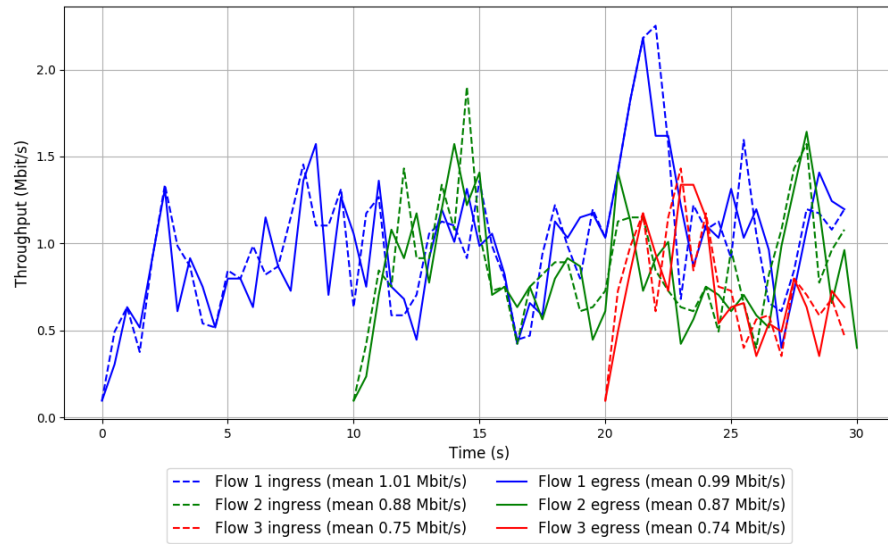


Run 3: Statistics of LEDBAT

Start at: 2017-11-16 11:17:03
End at: 2017-11-16 11:17:33
Local clock offset: 1.724 ms
Remote clock offset: -45.059 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 113.085 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 113.143 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 113.148 ms
Loss rate: 1.67%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 112.459 ms
Loss rate: 2.38%

Run 3: Report of LEDBAT — Data Link

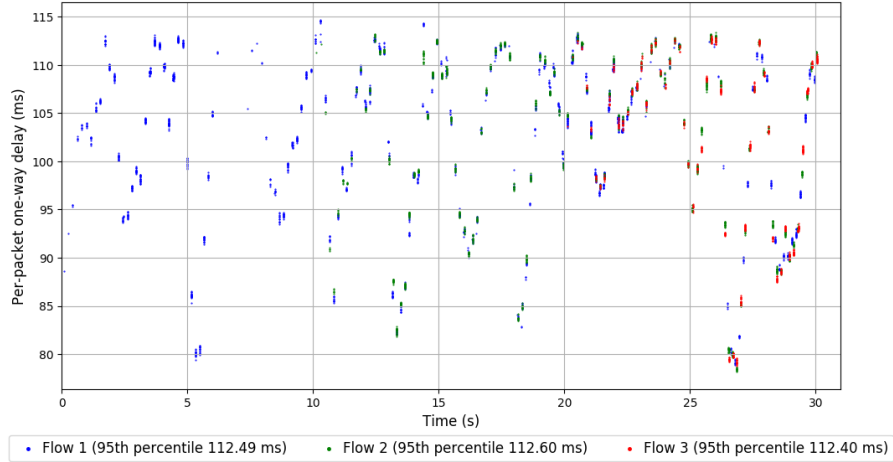
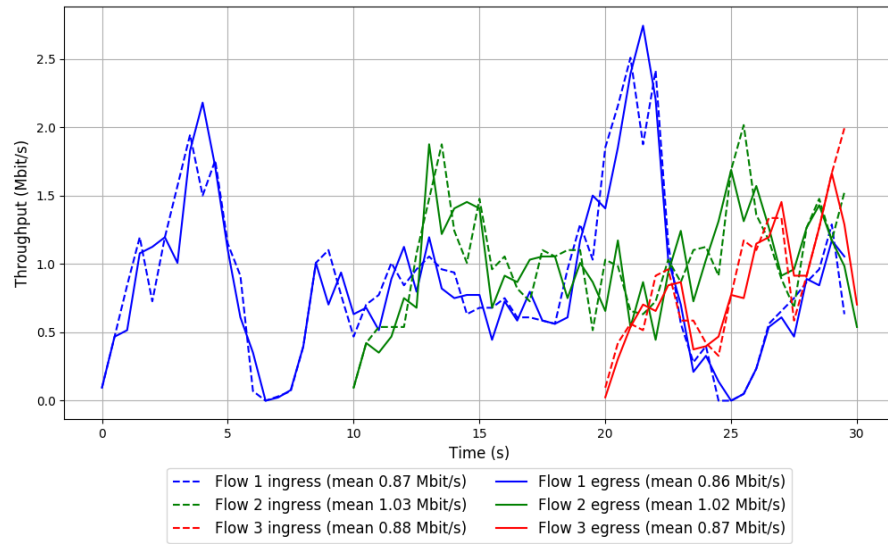


Run 4: Statistics of LEDBAT

Start at: 2017-11-16 11:36:17
End at: 2017-11-16 11:36:47
Local clock offset: 1.395 ms
Remote clock offset: -46.685 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 112.528 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 112.494 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 112.602 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 112.401 ms
Loss rate: 1.60%

Run 4: Report of LEDBAT — Data Link

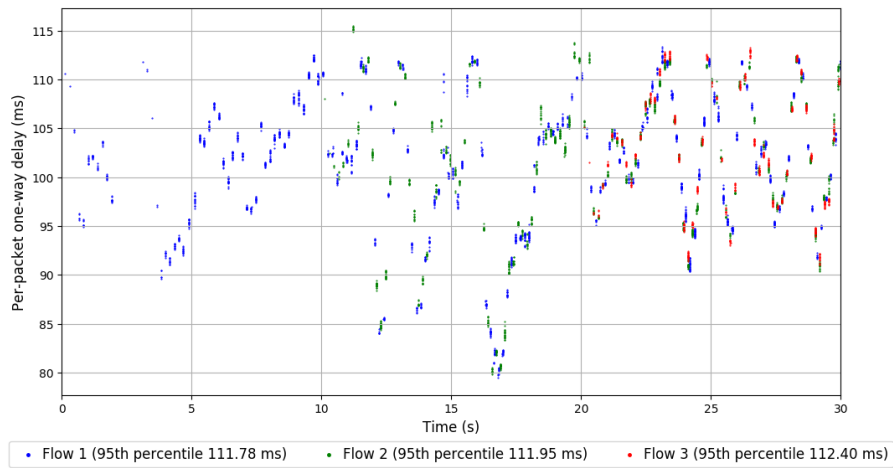
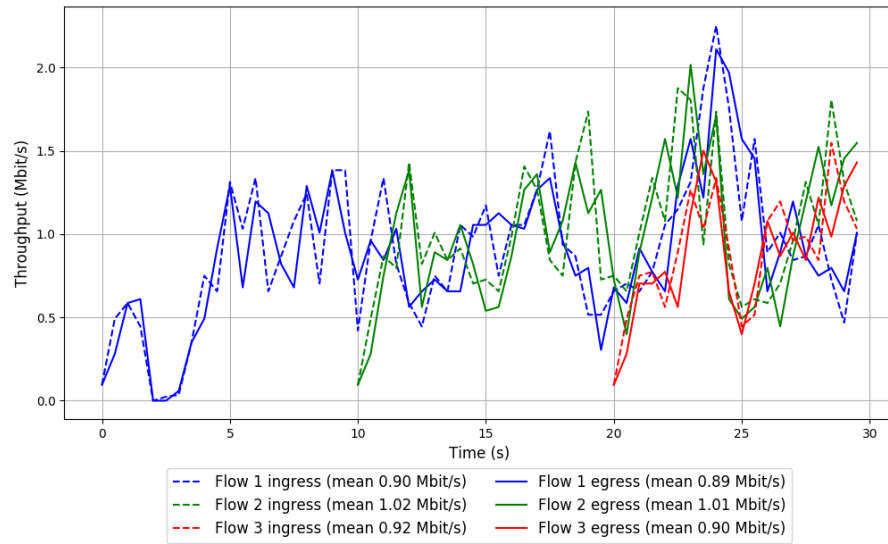


Run 5: Statistics of LEDBAT

Start at: 2017-11-16 11:55:22
End at: 2017-11-16 11:55:52
Local clock offset: 1.077 ms
Remote clock offset: -48.362 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 111.918 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 0.89 Mbit/s
95th percentile per-packet one-way delay: 111.779 ms
Loss rate: 1.61%
-- Flow 2:
Average throughput: 1.01 Mbit/s
95th percentile per-packet one-way delay: 111.951 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 112.404 ms
Loss rate: 2.09%

Run 5: Report of LEDBAT — Data Link

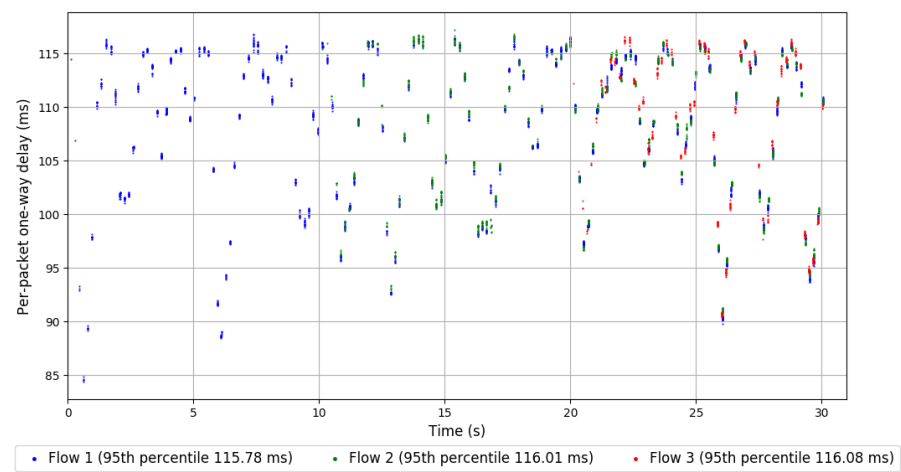
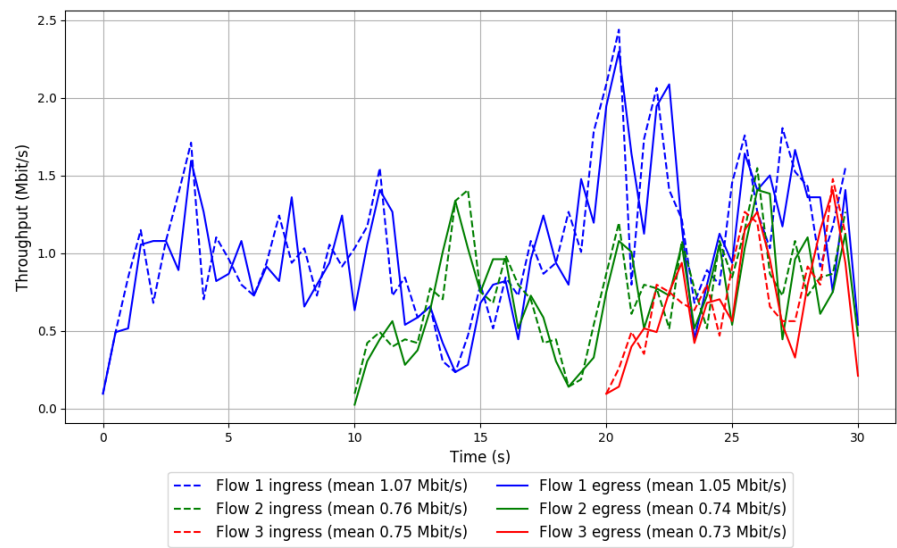


Run 6: Statistics of LEDBAT

Start at: 2017-11-16 12:14:42
End at: 2017-11-16 12:15:12
Local clock offset: 1.031 ms
Remote clock offset: -44.682 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 115.910 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 115.781 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 116.011 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 116.081 ms
Loss rate: 2.38%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-11-16 12:34:28

End at: 2017-11-16 12:34:58

Local clock offset: 0.888 ms

Remote clock offset: -50.2 ms

Below is generated by plot.py at 2017-11-16 14:01:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 108.855 ms

Loss rate: 2.18%

-- Flow 1:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 108.877 ms

Loss rate: 2.56%

-- Flow 2:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 108.776 ms

Loss rate: 2.25%

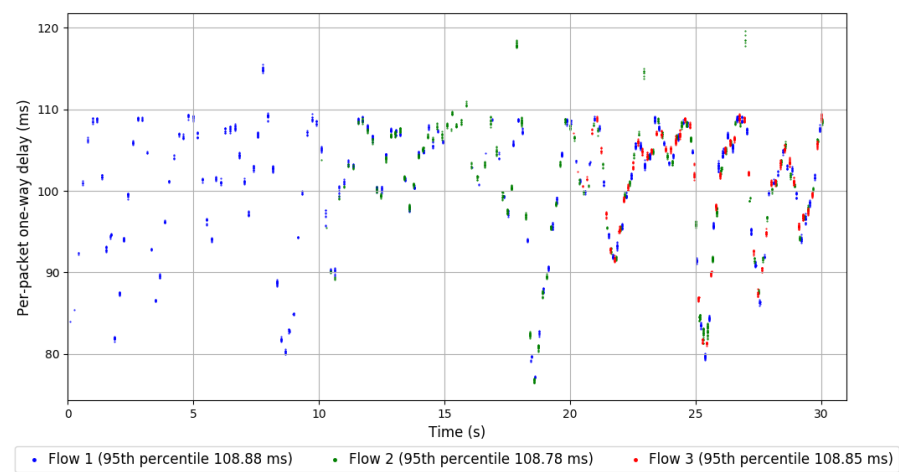
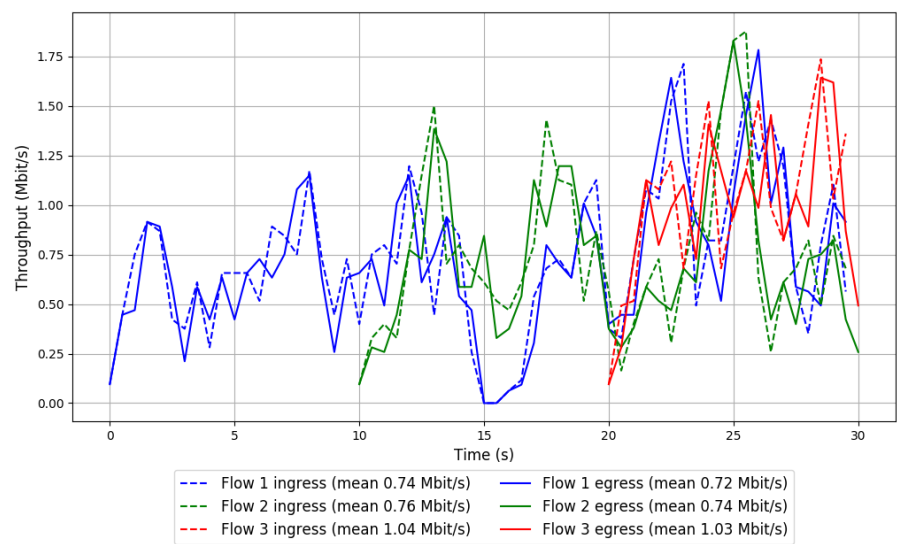
-- Flow 3:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 108.854 ms

Loss rate: 1.25%

Run 7: Report of LEDBAT — Data Link

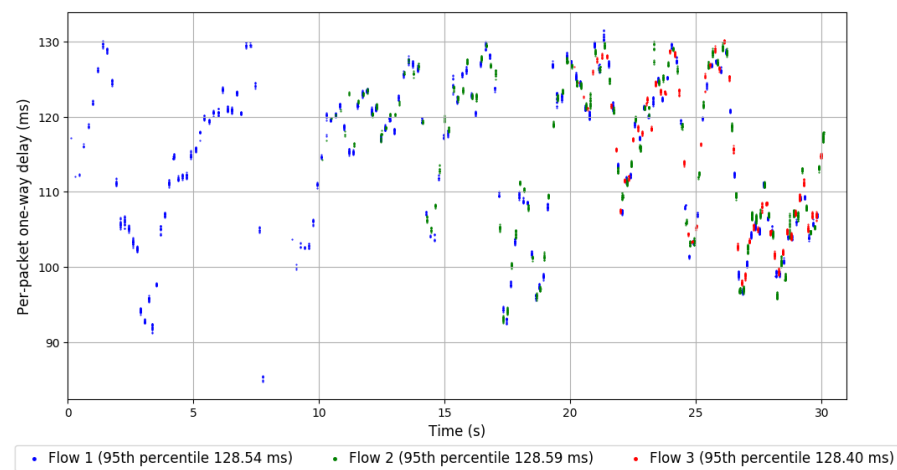
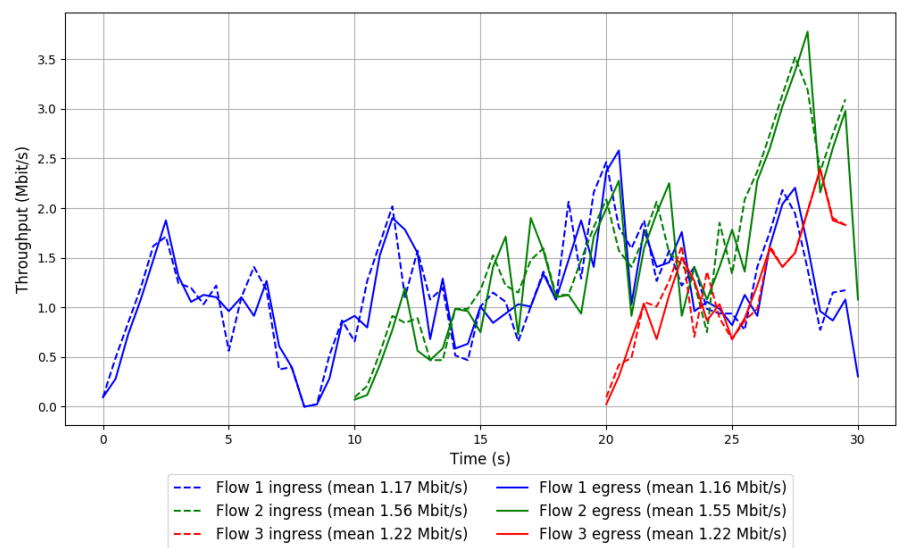


Run 8: Statistics of LEDBAT

Start at: 2017-11-16 12:53:43
End at: 2017-11-16 12:54:13
Local clock offset: 0.696 ms
Remote clock offset: -27.555 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 128.555 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 128.537 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 128.591 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 128.396 ms
Loss rate: 0.78%

Run 8: Report of LEDBAT — Data Link

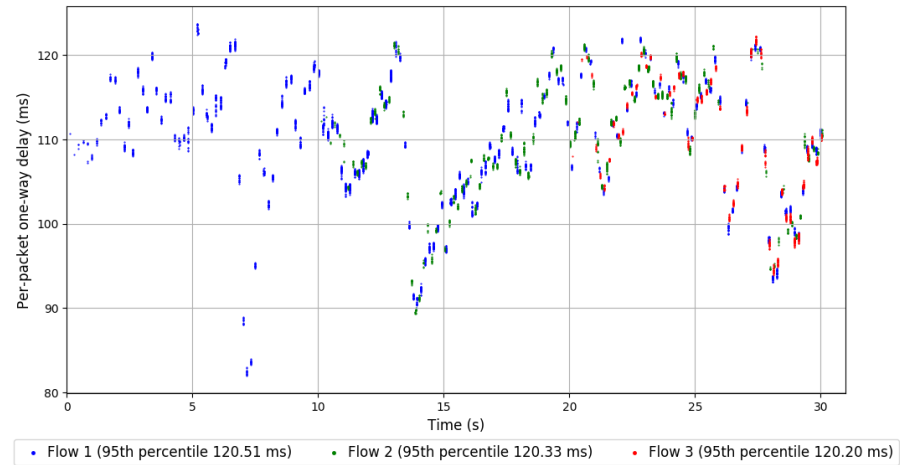
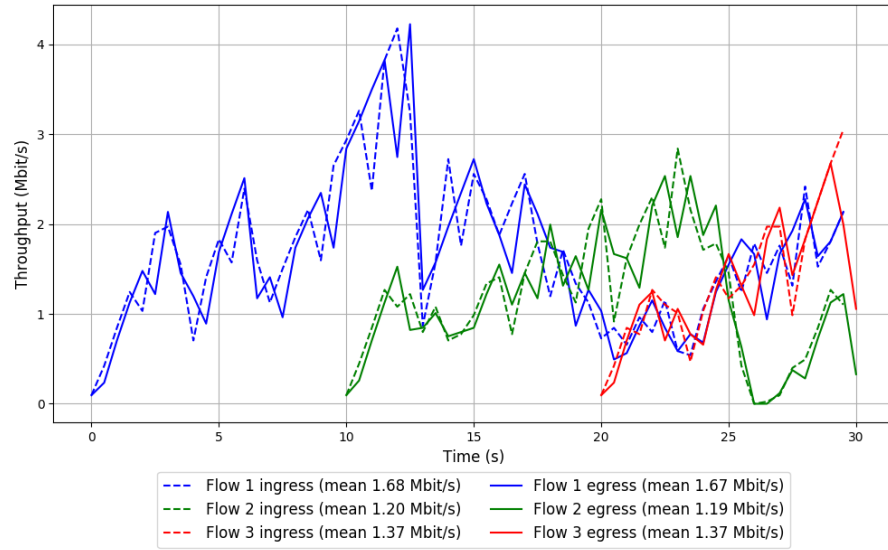


Run 9: Statistics of LEDBAT

Start at: 2017-11-16 13:14:00
End at: 2017-11-16 13:14:30
Local clock offset: 0.851 ms
Remote clock offset: -35.149 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 120.358 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 120.506 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 120.332 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 120.203 ms
Loss rate: 0.52%

Run 9: Report of LEDBAT — Data Link

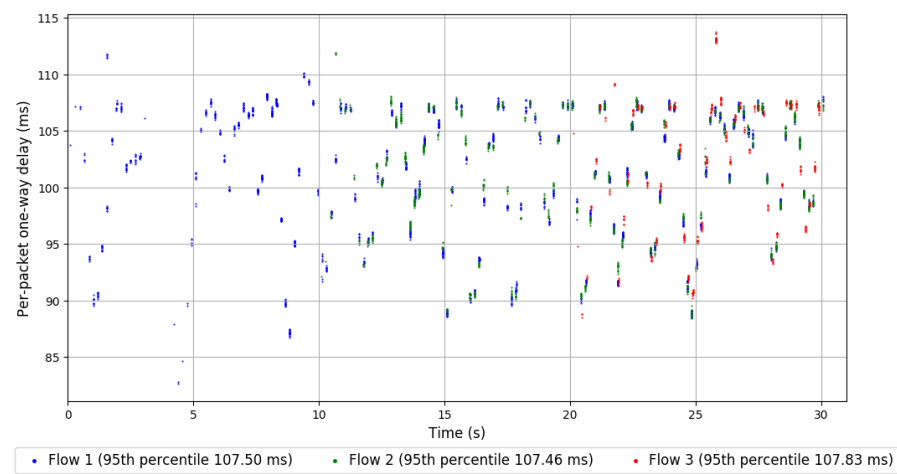
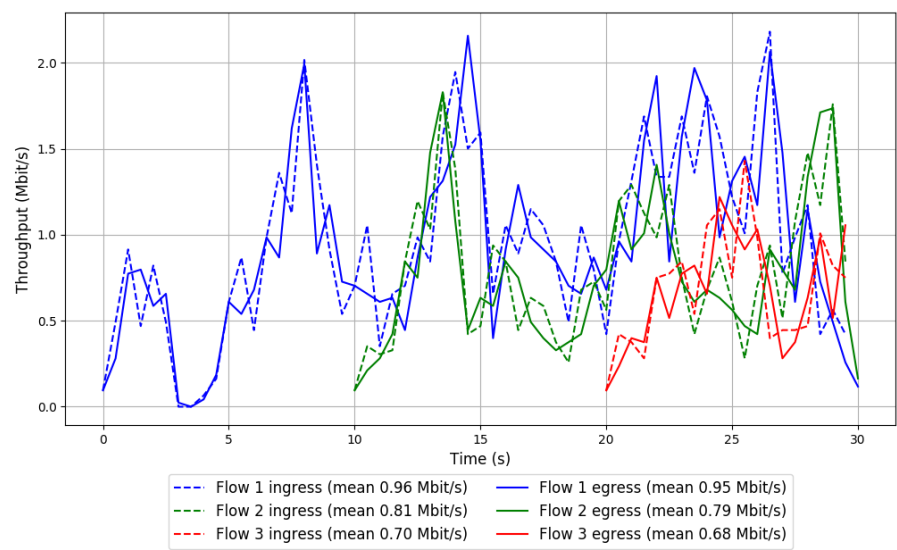


Run 10: Statistics of LEDBAT

Start at: 2017-11-16 13:34:45
End at: 2017-11-16 13:35:15
Local clock offset: 1.064 ms
Remote clock offset: -48.575 ms

Below is generated by plot.py at 2017-11-16 14:01:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 107.519 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 107.500 ms
Loss rate: 1.79%
-- Flow 2:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 107.461 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 107.832 ms
Loss rate: 2.89%

Run 10: Report of LEDBAT — Data Link

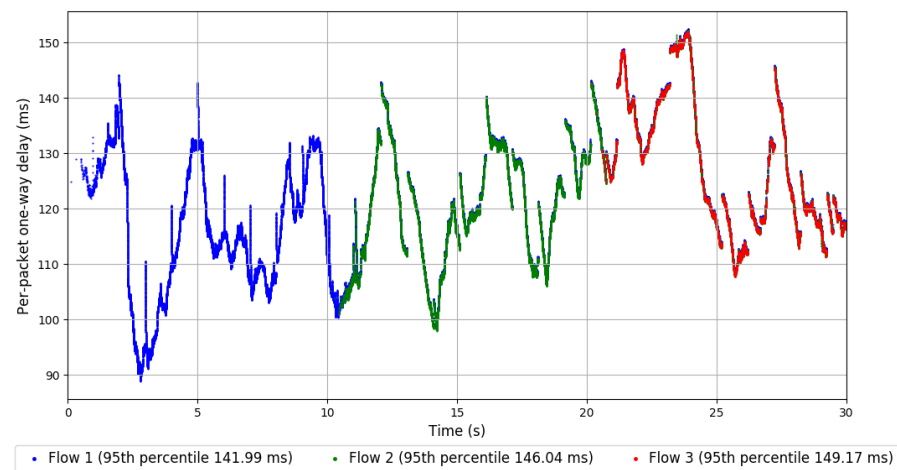
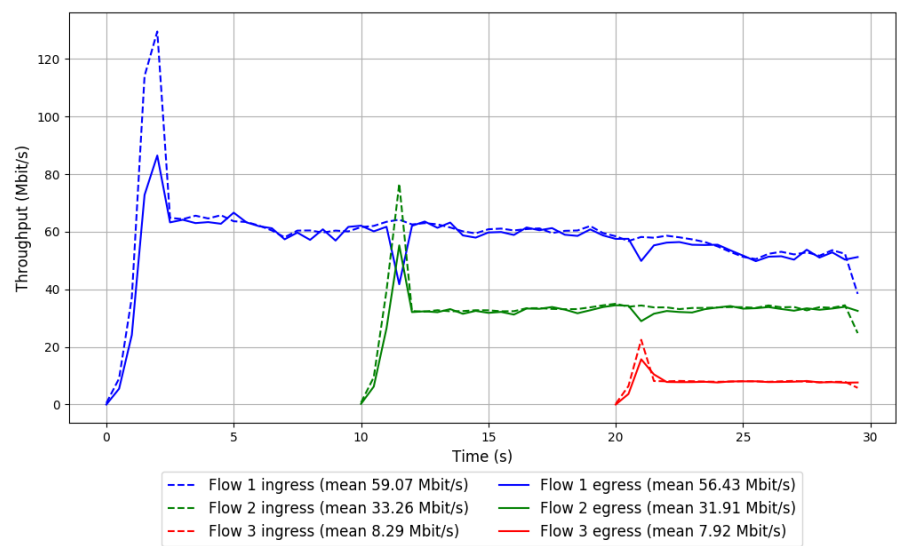


Run 1: Statistics of PCC

Start at: 2017-11-16 10:40:36
End at: 2017-11-16 10:41:06
Local clock offset: 1.905 ms
Remote clock offset: -21.742 ms

Below is generated by plot.py at 2017-11-16 14:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.27 Mbit/s
95th percentile per-packet one-way delay: 142.932 ms
Loss rate: 4.37%
-- Flow 1:
Average throughput: 56.43 Mbit/s
95th percentile per-packet one-way delay: 141.989 ms
Loss rate: 4.50%
-- Flow 2:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 146.040 ms
Loss rate: 4.00%
-- Flow 3:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 149.173 ms
Loss rate: 4.76%

Run 1: Report of PCC — Data Link

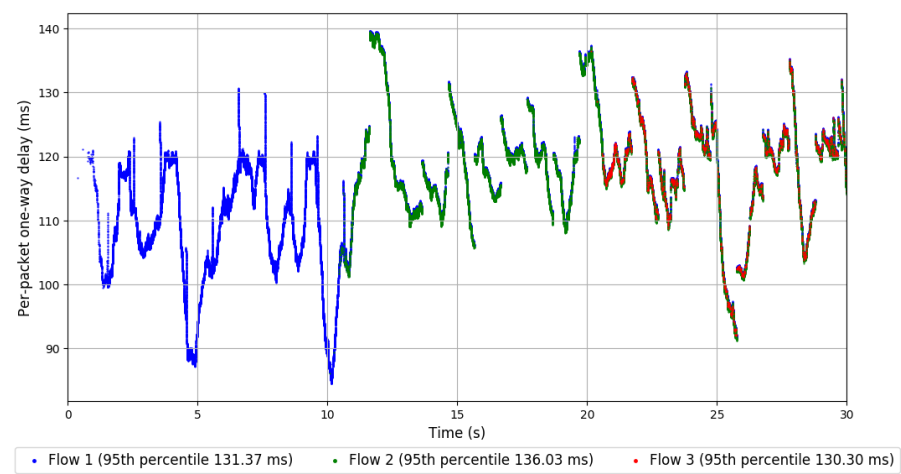
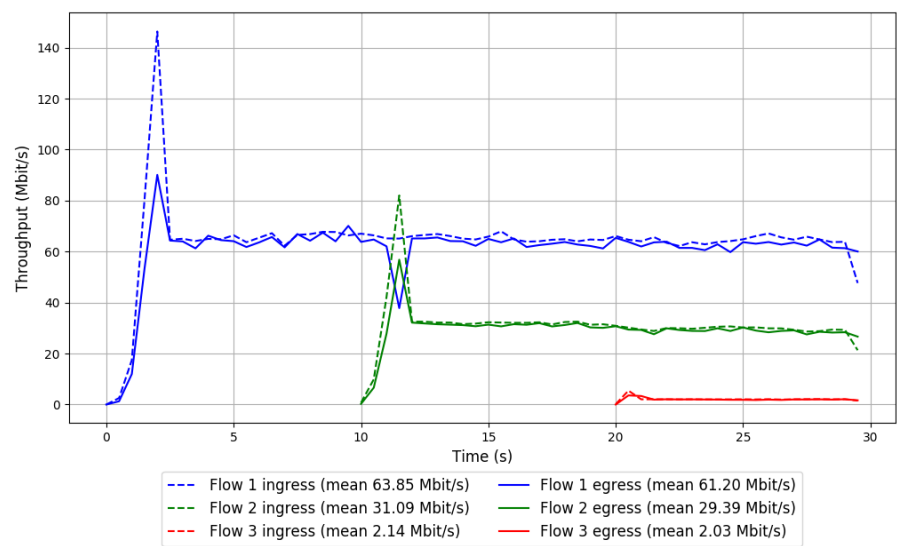


Run 2: Statistics of PCC

Start at: 2017-11-16 10:59:47
End at: 2017-11-16 11:00:17
Local clock offset: 1.912 ms
Remote clock offset: -36.338 ms

Below is generated by plot.py at 2017-11-16 14:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.61 Mbit/s
95th percentile per-packet one-way delay: 132.840 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 131.365 ms
Loss rate: 4.97%
-- Flow 2:
Average throughput: 29.39 Mbit/s
95th percentile per-packet one-way delay: 136.025 ms
Loss rate: 5.35%
-- Flow 3:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 130.299 ms
Loss rate: 5.43%

Run 2: Report of PCC — Data Link

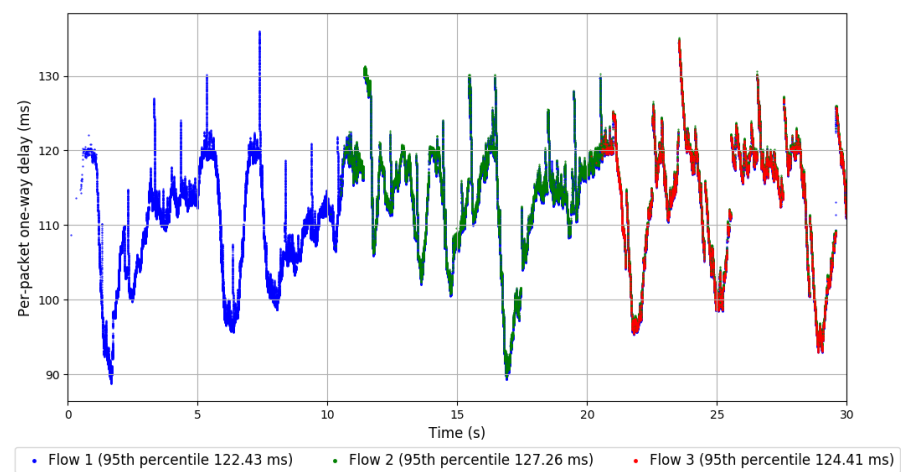
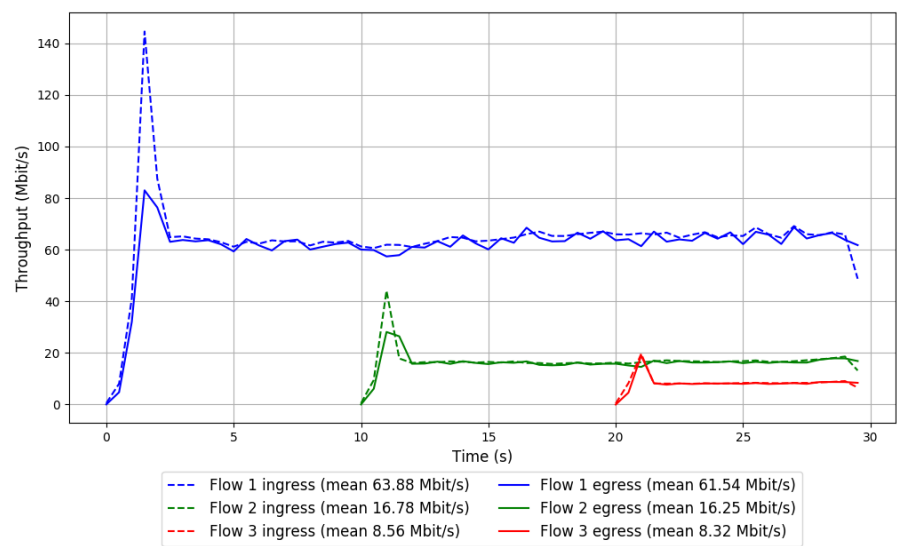


Run 3: Statistics of PCC

Start at: 2017-11-16 11:18:22
End at: 2017-11-16 11:18:52
Local clock offset: 1.567 ms
Remote clock offset: -37.752 ms

Below is generated by plot.py at 2017-11-16 14:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 123.235 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 61.54 Mbit/s
95th percentile per-packet one-way delay: 122.429 ms
Loss rate: 3.66%
-- Flow 2:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 127.259 ms
Loss rate: 3.15%
-- Flow 3:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 124.406 ms
Loss rate: 2.93%

Run 3: Report of PCC — Data Link

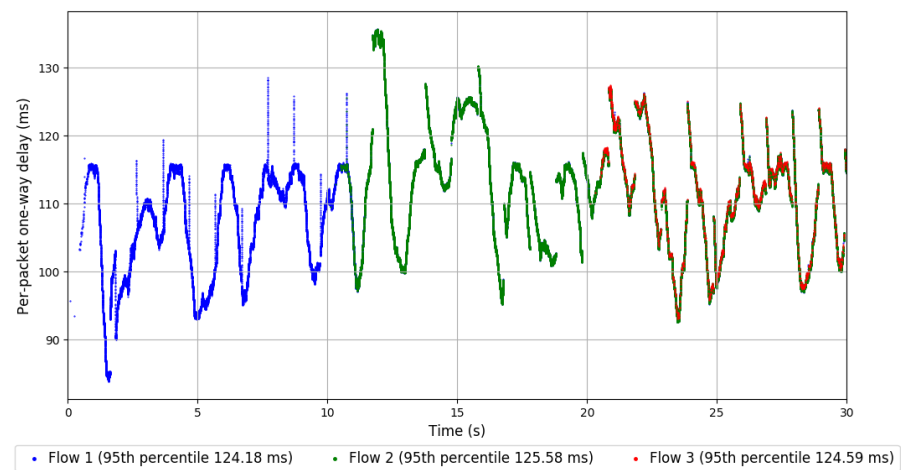
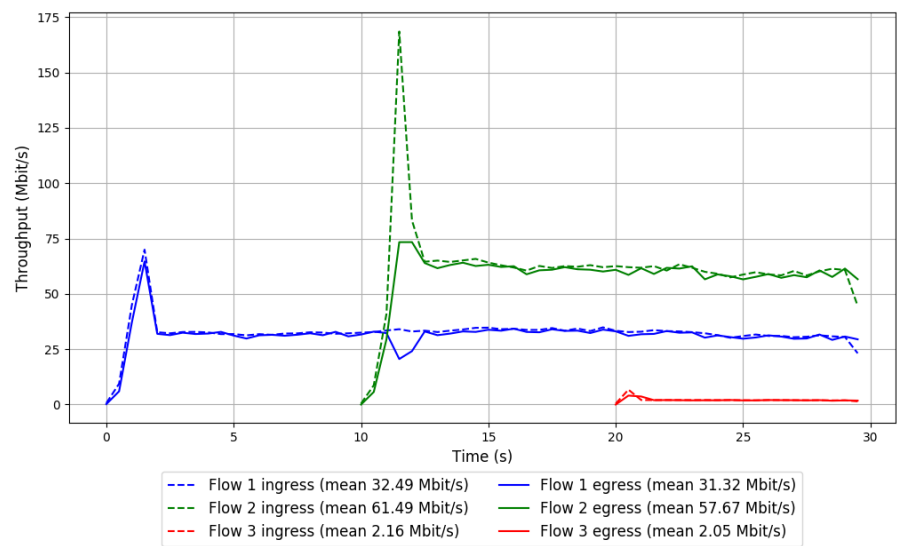


Run 4: Statistics of PCC

Start at: 2017-11-16 11:37:33
End at: 2017-11-16 11:38:03
Local clock offset: 1.415 ms
Remote clock offset: -43.527 ms

Below is generated by plot.py at 2017-11-16 14:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 124.952 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 124.182 ms
Loss rate: 3.55%
-- Flow 2:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 125.577 ms
Loss rate: 6.20%
-- Flow 3:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 124.591 ms
Loss rate: 4.68%

Run 4: Report of PCC — Data Link

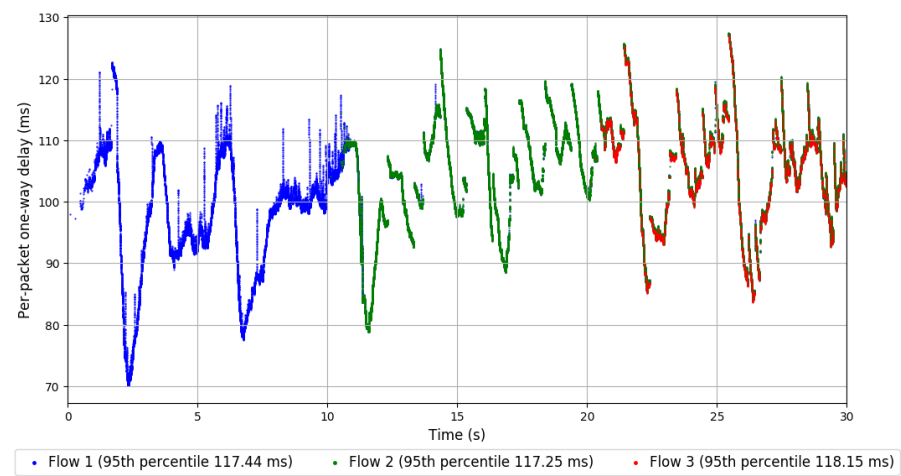
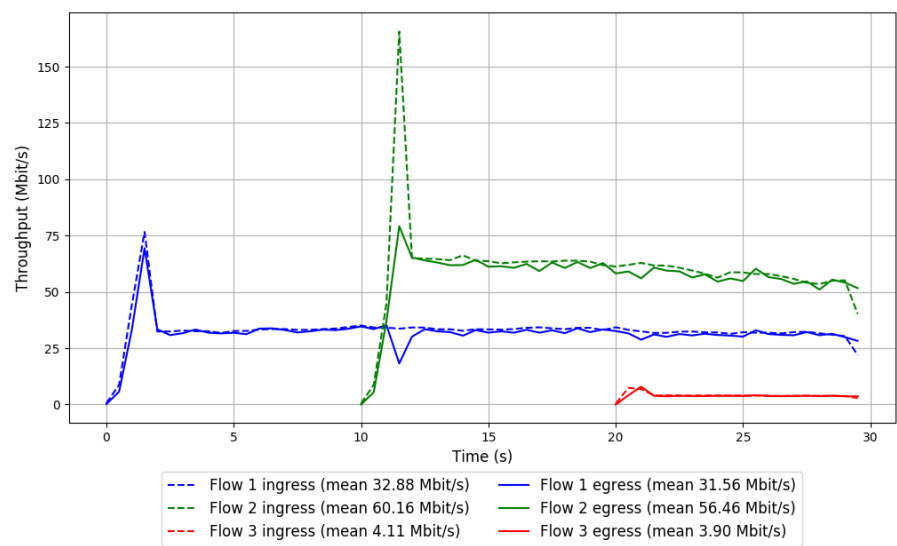


Run 5: Statistics of PCC

Start at: 2017-11-16 11:56:39
End at: 2017-11-16 11:57:09
Local clock offset: 1.159 ms
Remote clock offset: -50.659 ms

Below is generated by plot.py at 2017-11-16 14:02:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.38 Mbit/s
95th percentile per-packet one-way delay: 117.350 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 117.445 ms
Loss rate: 4.00%
-- Flow 2:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: 117.255 ms
Loss rate: 6.14%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 118.154 ms
Loss rate: 4.96%

Run 5: Report of PCC — Data Link

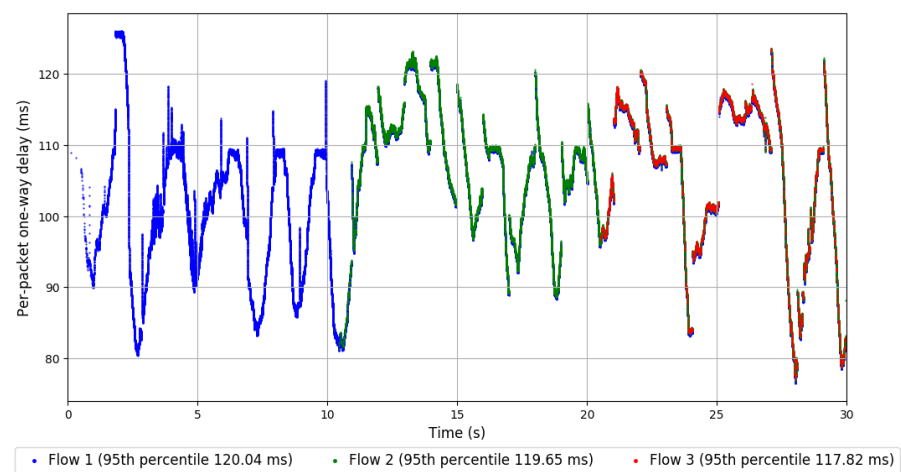
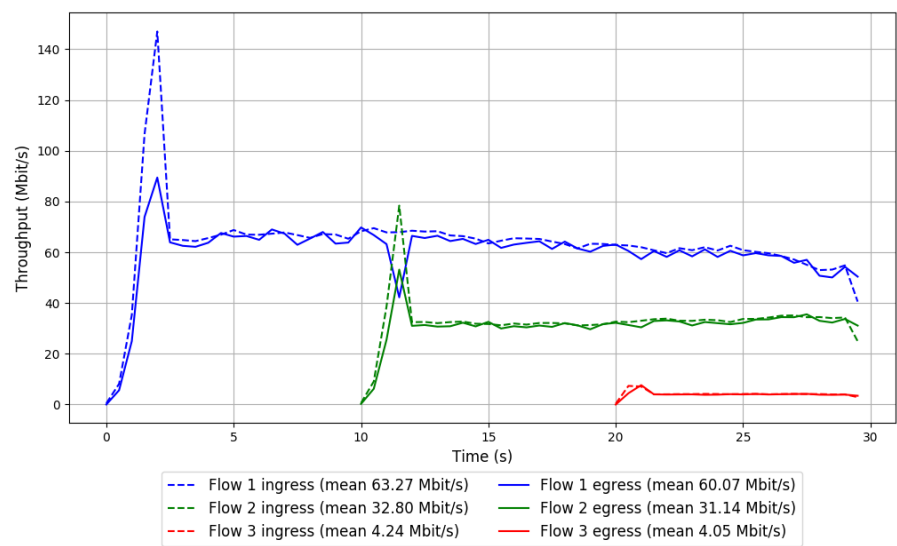


Run 6: Statistics of PCC

Start at: 2017-11-16 12:16:01
End at: 2017-11-16 12:16:31
Local clock offset: 0.947 ms
Remote clock offset: -51.103 ms

Below is generated by plot.py at 2017-11-16 14:02:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: 119.908 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 60.07 Mbit/s
95th percentile per-packet one-way delay: 120.037 ms
Loss rate: 5.14%
-- Flow 2:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 119.647 ms
Loss rate: 5.08%
-- Flow 3:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 117.820 ms
Loss rate: 4.67%

Run 6: Report of PCC — Data Link

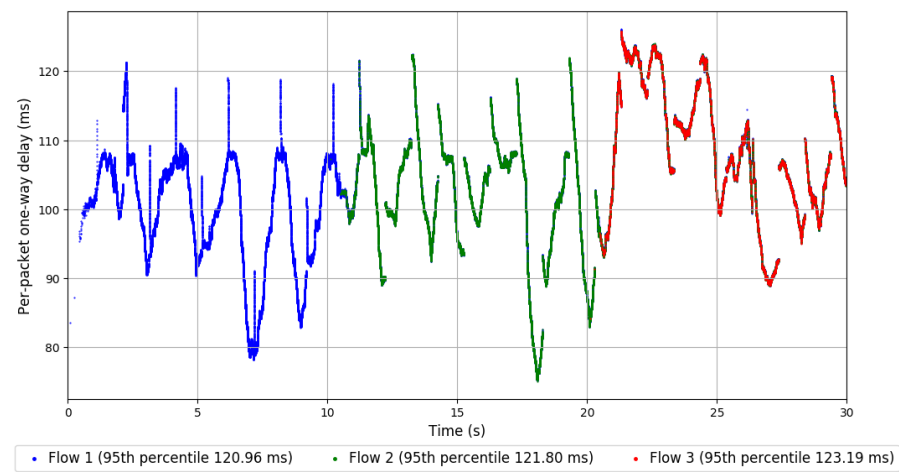
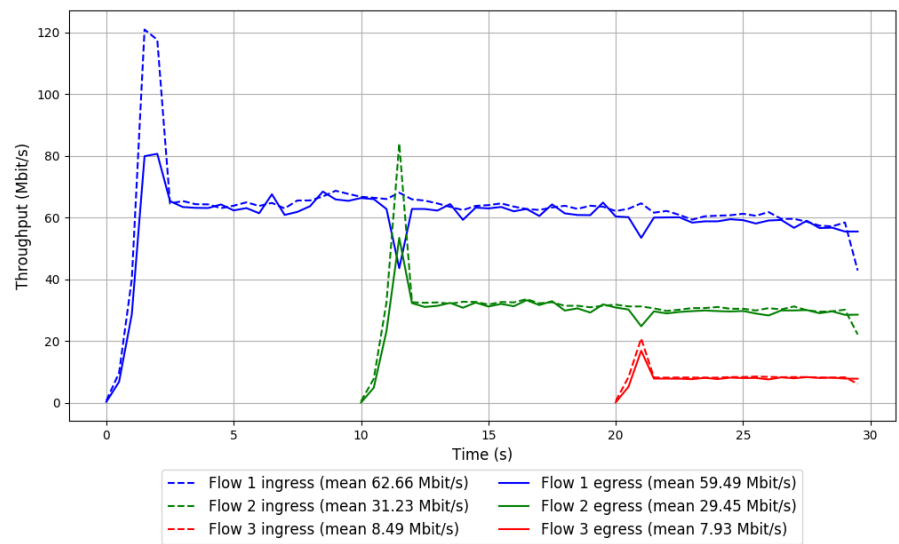


Run 7: Statistics of PCC

Start at: 2017-11-16 12:35:44
End at: 2017-11-16 12:36:14
Local clock offset: 0.801 ms
Remote clock offset: -50.678 ms

Below is generated by plot.py at 2017-11-16 14:03:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.67 Mbit/s
95th percentile per-packet one-way delay: 121.480 ms
Loss rate: 5.22%
-- Flow 1:
Average throughput: 59.49 Mbit/s
95th percentile per-packet one-way delay: 120.962 ms
Loss rate: 5.00%
-- Flow 2:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 121.800 ms
Loss rate: 5.71%
-- Flow 3:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 123.193 ms
Loss rate: 6.47%

Run 7: Report of PCC — Data Link

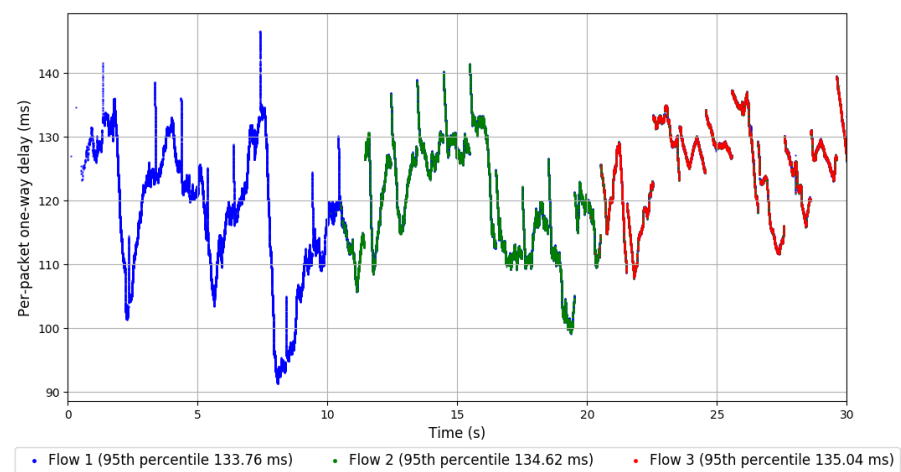
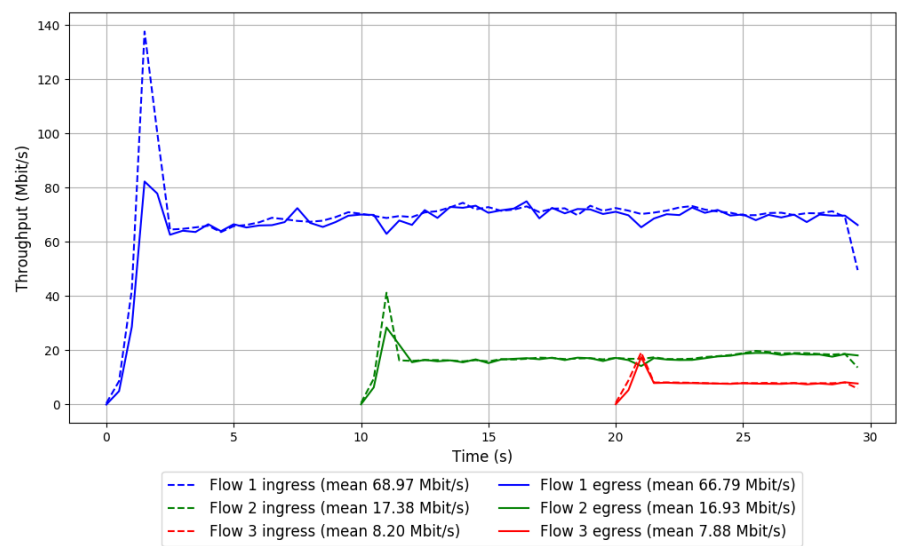


Run 8: Statistics of PCC

Start at: 2017-11-16 12:54:59
End at: 2017-11-16 12:55:29
Local clock offset: 0.569 ms
Remote clock offset: -23.976 ms

Below is generated by plot.py at 2017-11-16 14:03:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 134.027 ms
Loss rate: 3.09%
-- Flow 1:
Average throughput: 66.79 Mbit/s
95th percentile per-packet one-way delay: 133.757 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 134.617 ms
Loss rate: 2.55%
-- Flow 3:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 135.039 ms
Loss rate: 3.93%

Run 8: Report of PCC — Data Link

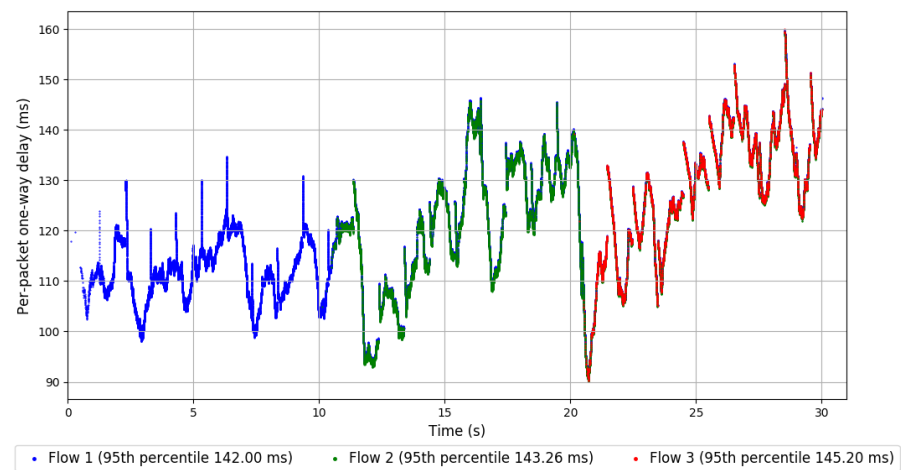
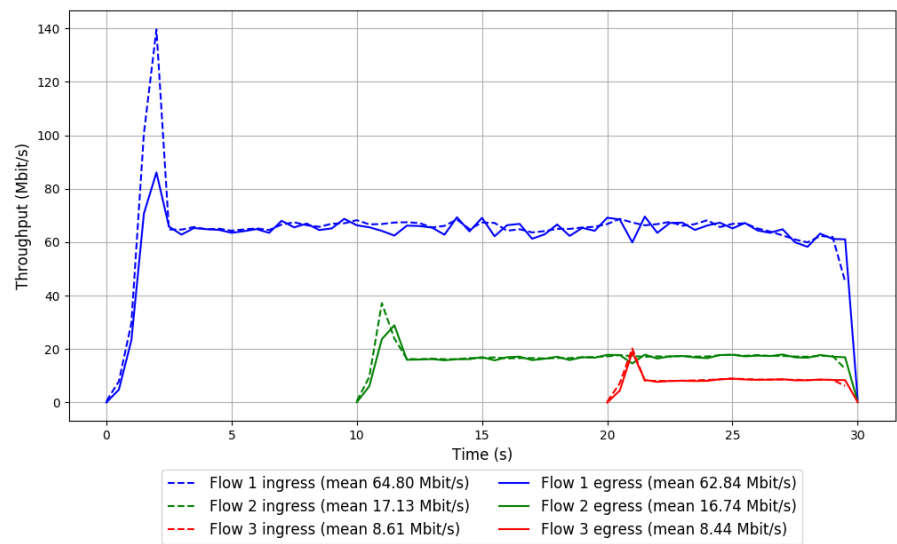


Run 9: Statistics of PCC

Start at: 2017-11-16 13:15:18
End at: 2017-11-16 13:15:48
Local clock offset: 0.976 ms
Remote clock offset: -34.794 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.76 Mbit/s
95th percentile per-packet one-way delay: 142.521 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 62.84 Mbit/s
95th percentile per-packet one-way delay: 142.005 ms
Loss rate: 2.94%
-- Flow 2:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 143.265 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 145.203 ms
Loss rate: 1.98%

Run 9: Report of PCC — Data Link

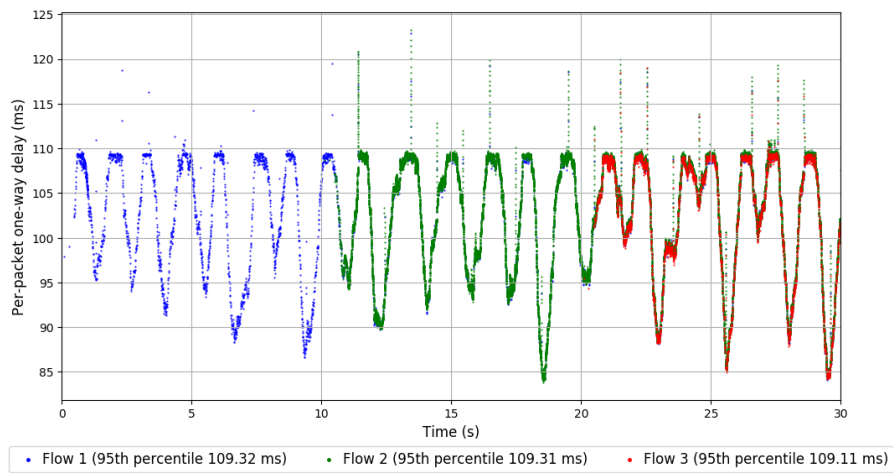
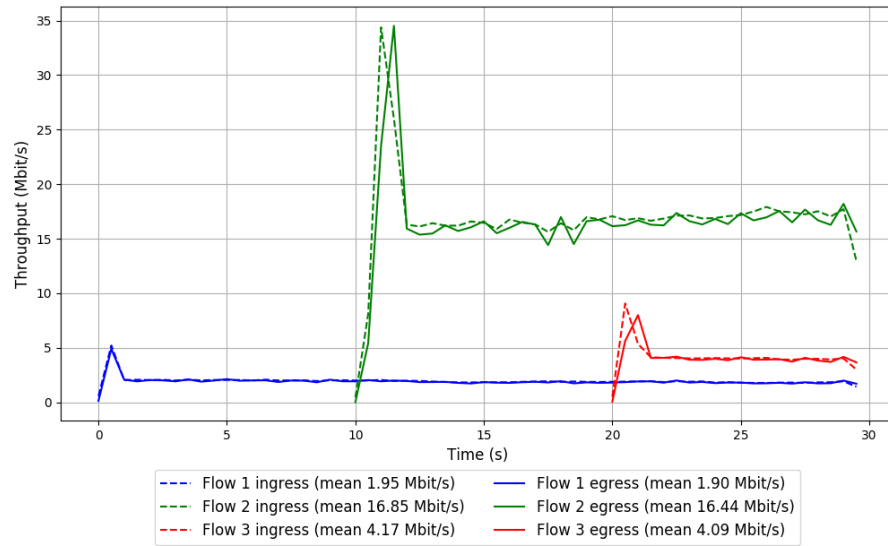


Run 10: Statistics of PCC

Start at: 2017-11-16 13:36:02
End at: 2017-11-16 13:36:32
Local clock offset: 1.139 ms
Remote clock offset: -46.527 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.18 Mbit/s
95th percentile per-packet one-way delay: 109.305 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 109.324 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: 109.314 ms
Loss rate: 2.46%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 109.110 ms
Loss rate: 1.87%

Run 10: Report of PCC — Data Link

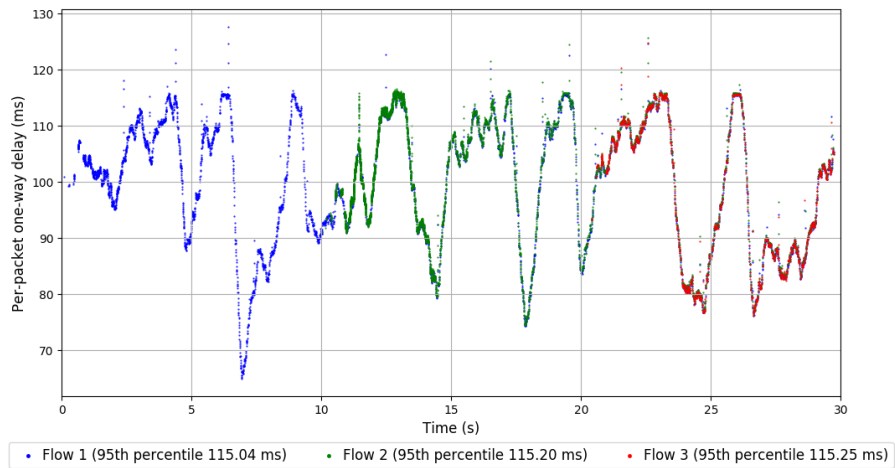
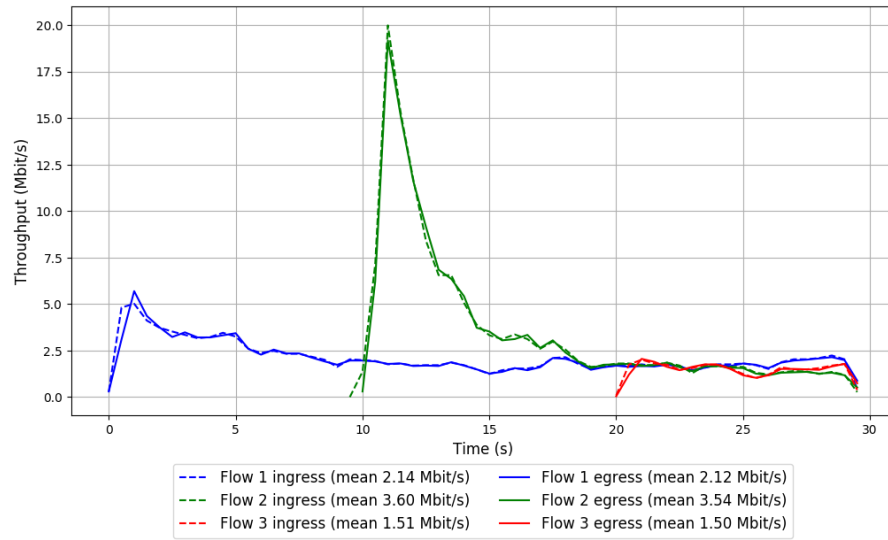


Run 1: Statistics of QUIC Cubic

Start at: 2017-11-16 10:46:20
End at: 2017-11-16 10:46:50
Local clock offset: 1.746 ms
Remote clock offset: -38.778 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 115.116 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 115.042 ms
Loss rate: 1.09%
-- Flow 2:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 115.200 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 115.247 ms
Loss rate: 1.57%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

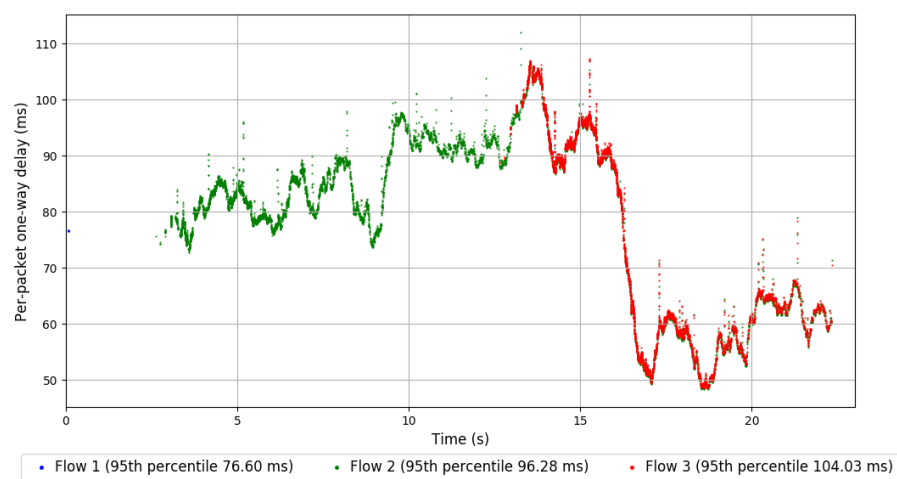
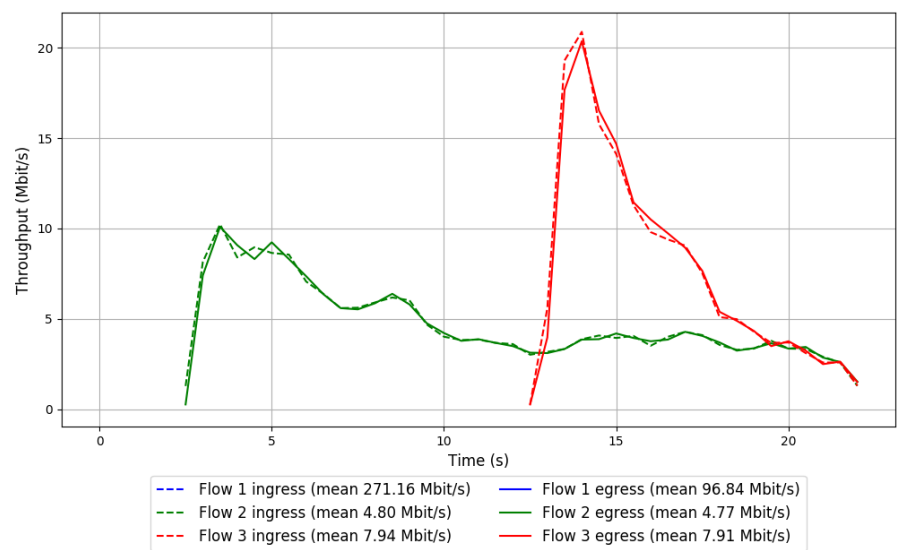
Start at: 2017-11-16 11:05:13

End at: 2017-11-16 11:05:43

Local clock offset: 1.762 ms

Remote clock offset: -20.559 ms

Run 2: Report of QUIC Cubic — Data Link

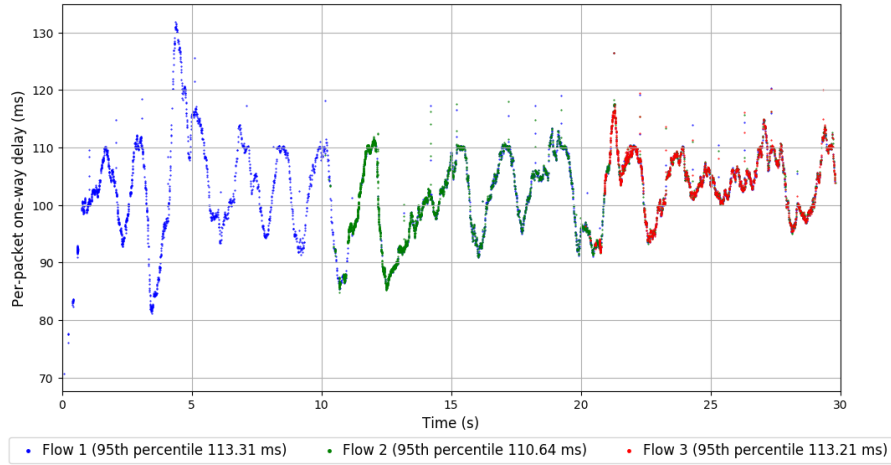
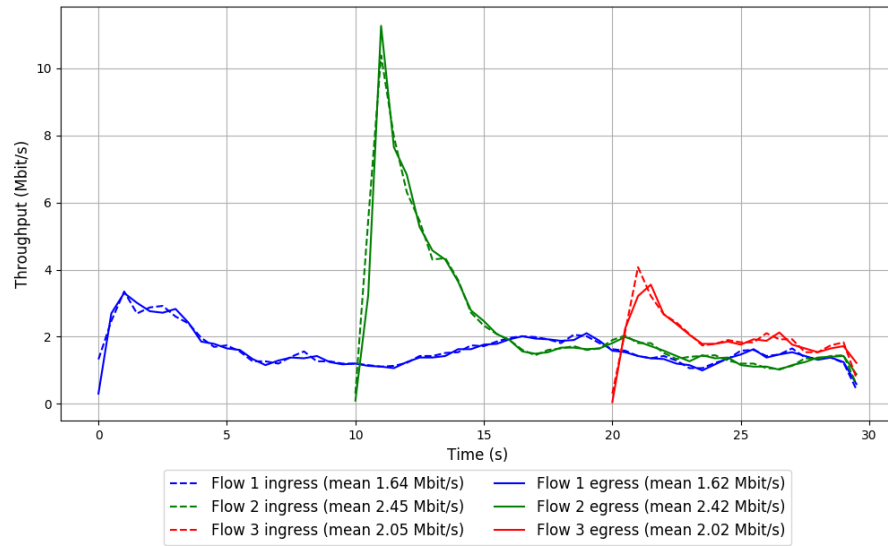


Run 3: Statistics of QUIC Cubic

Start at: 2017-11-16 11:23:50
End at: 2017-11-16 11:24:20
Local clock offset: 1.768 ms
Remote clock offset: -47.917 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 111.742 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 113.307 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 110.640 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 113.212 ms
Loss rate: 1.38%

Run 3: Report of QUIC Cubic — Data Link

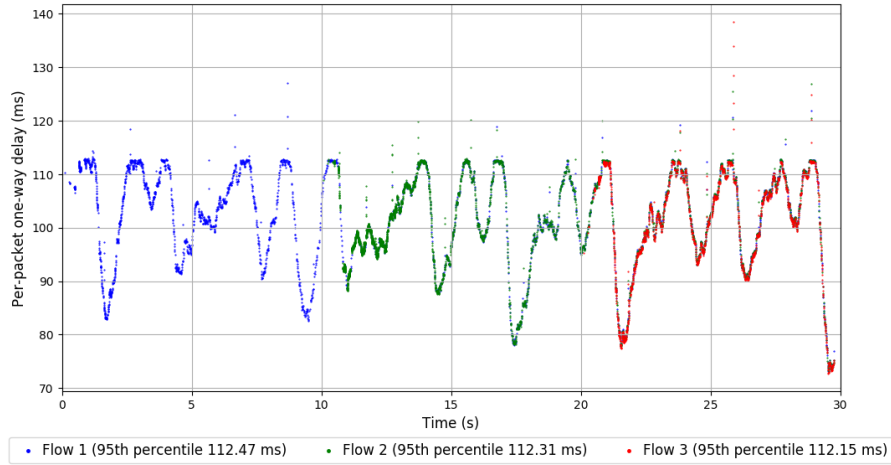
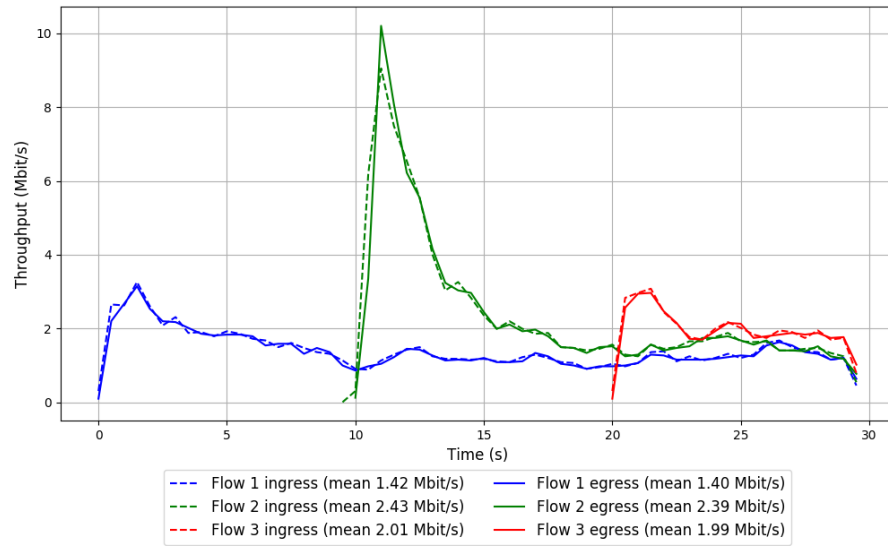


Run 4: Statistics of QUIC Cubic

Start at: 2017-11-16 11:43:07
End at: 2017-11-16 11:43:37
Local clock offset: 1.421 ms
Remote clock offset: -46.716 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 112.353 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 112.472 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 112.313 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 112.149 ms
Loss rate: 1.17%

Run 4: Report of QUIC Cubic — Data Link

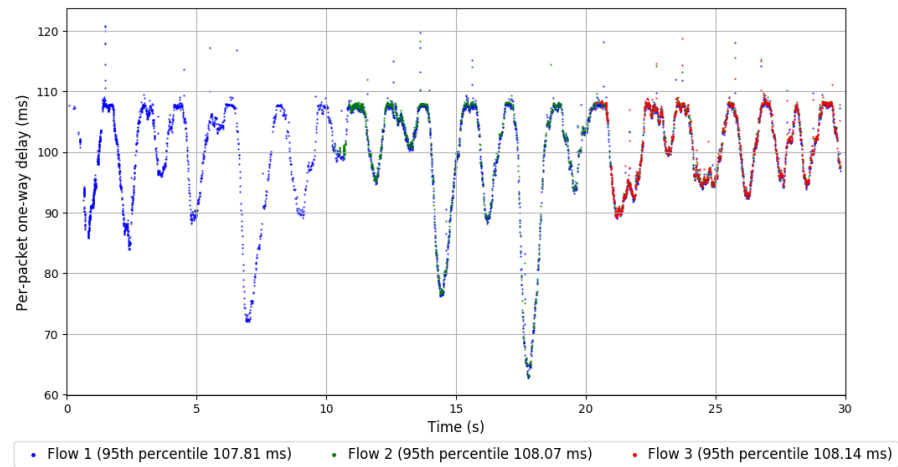
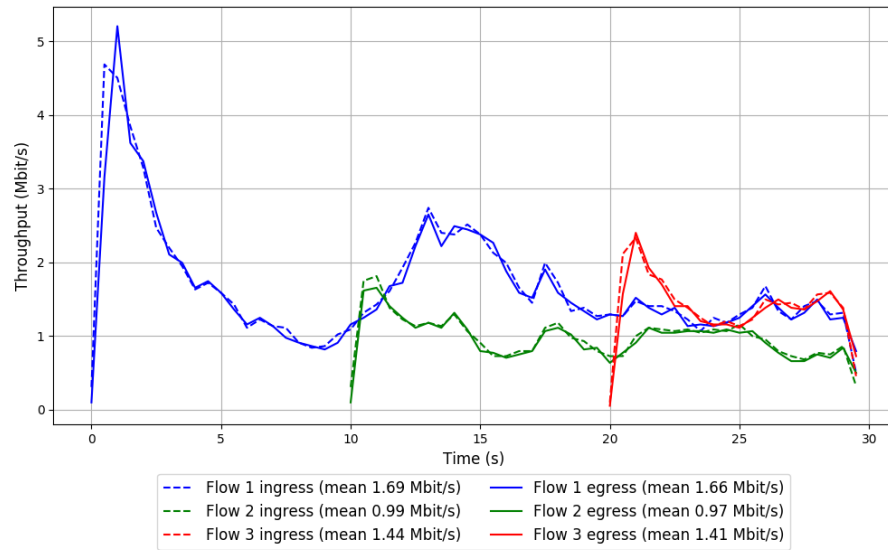


Run 5: Statistics of QUIC Cubic

Start at: 2017-11-16 12:02:10
End at: 2017-11-16 12:02:40
Local clock offset: 1.13 ms
Remote clock offset: -52.708 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 107.969 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 1.66 Mbit/s
95th percentile per-packet one-way delay: 107.814 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 108.071 ms
Loss rate: 2.72%
-- Flow 3:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 108.138 ms
Loss rate: 2.05%

Run 5: Report of QUIC Cubic — Data Link

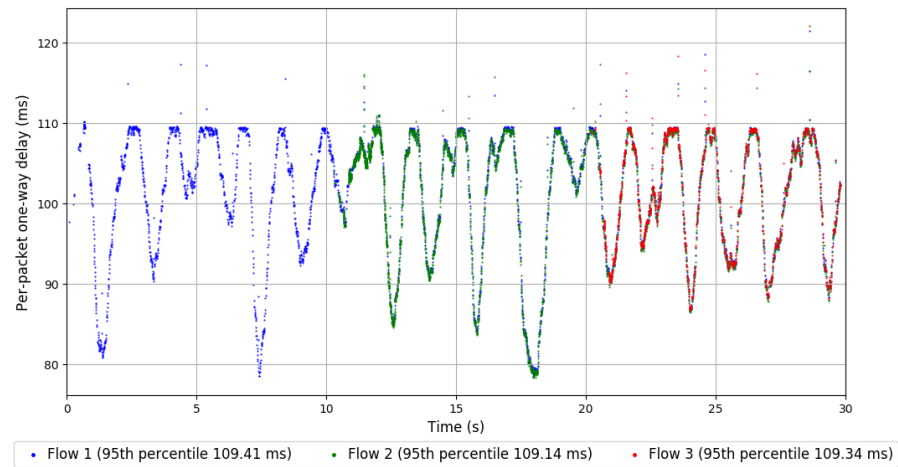
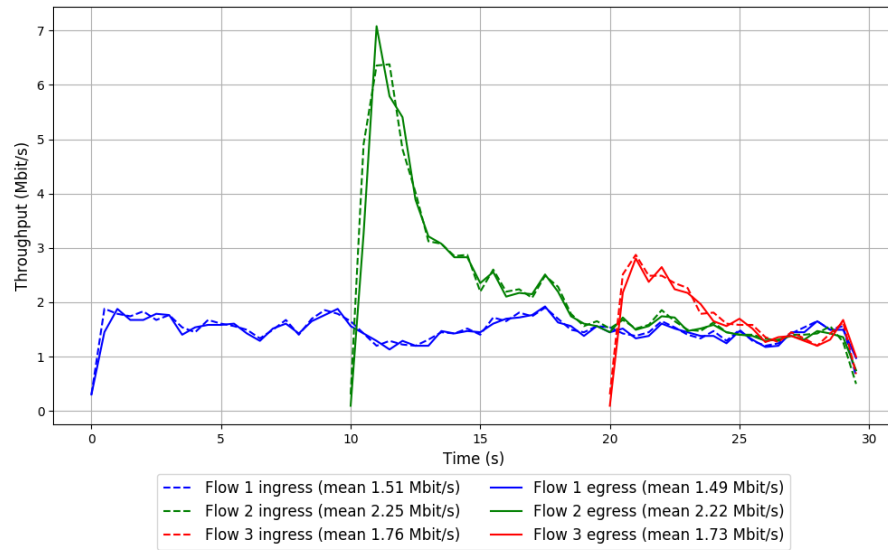


Run 6: Statistics of QUIC Cubic

Start at: 2017-11-16 12:22:11
End at: 2017-11-16 12:22:41
Local clock offset: 0.904 ms
Remote clock offset: -50.199 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.52 Mbit/s
95th percentile per-packet one-way delay: 109.325 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 109.412 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 109.140 ms
Loss rate: 1.61%
-- Flow 3:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 109.336 ms
Loss rate: 1.80%

Run 6: Report of QUIC Cubic — Data Link

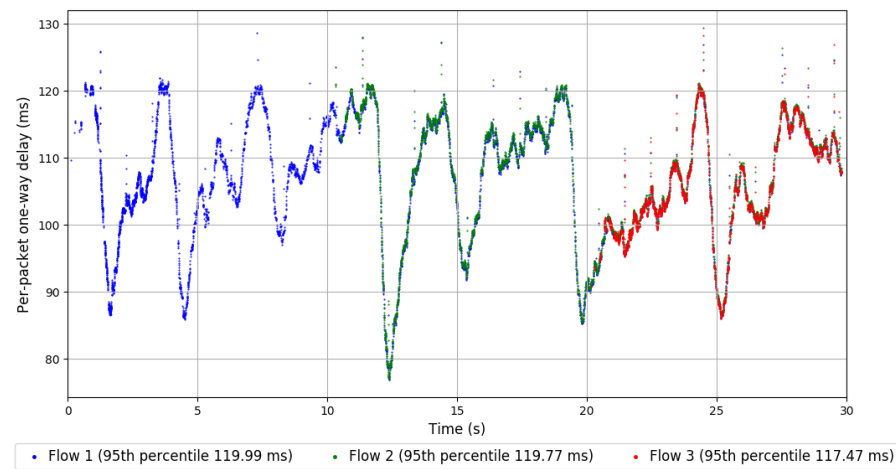
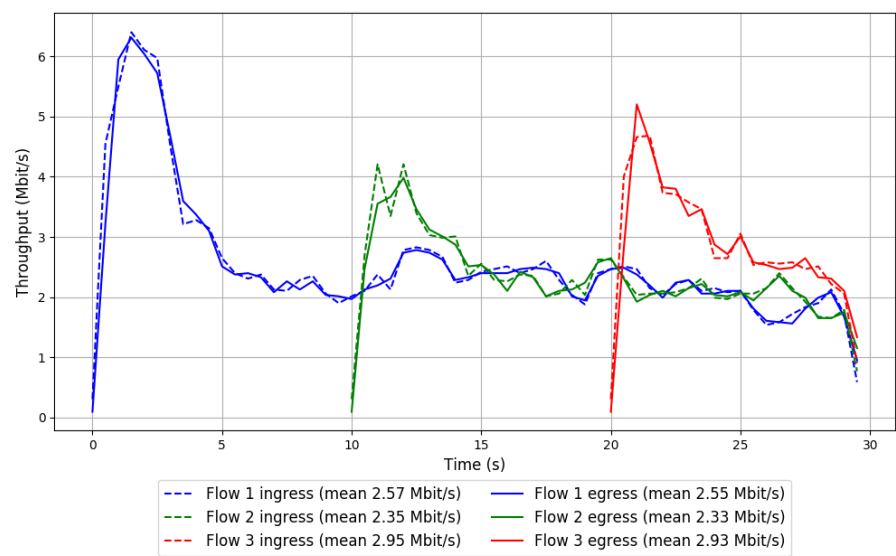


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-16 12:41:29
End at: 2017-11-16 12:41:59
Local clock offset: 0.777 ms
Remote clock offset: -37.102 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 119.662 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 119.986 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 119.772 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 117.475 ms
Loss rate: 0.68%

Run 7: Report of QUIC Cubic — Data Link

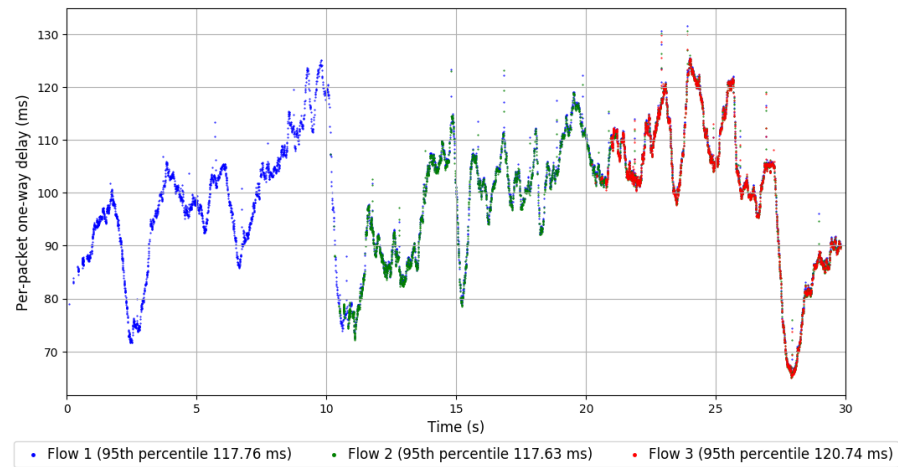
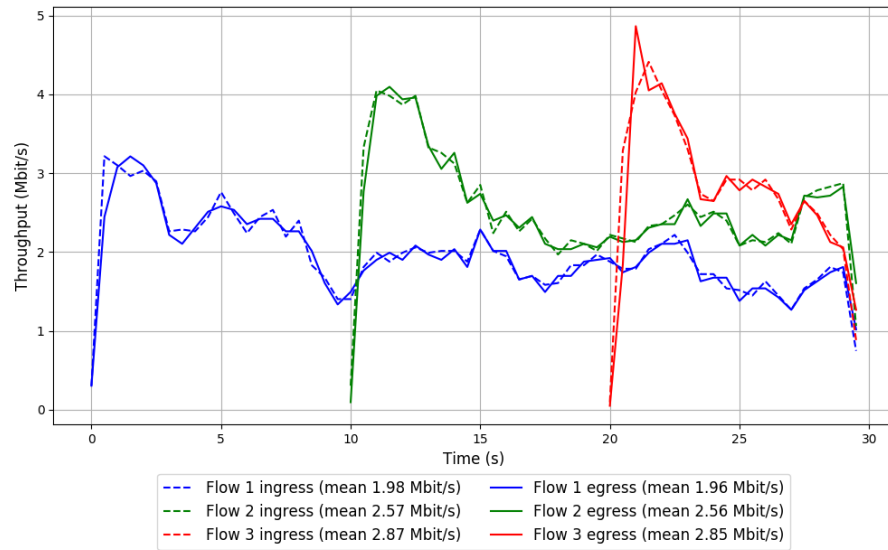


Run 8: Statistics of QUIC Cubic

Start at: 2017-11-16 13:01:16
End at: 2017-11-16 13:01:46
Local clock offset: 0.704 ms
Remote clock offset: -50.638 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.58 Mbit/s
95th percentile per-packet one-way delay: 119.075 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 117.760 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 117.626 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 120.736 ms
Loss rate: 0.82%

Run 8: Report of QUIC Cubic — Data Link

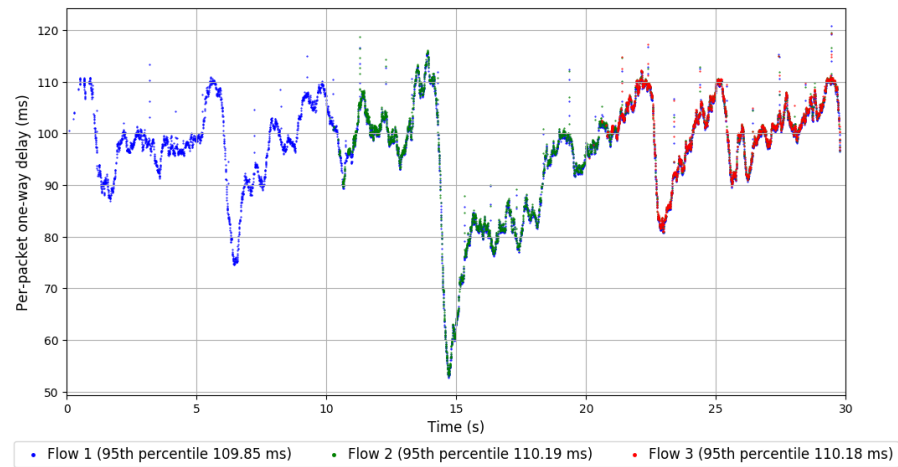
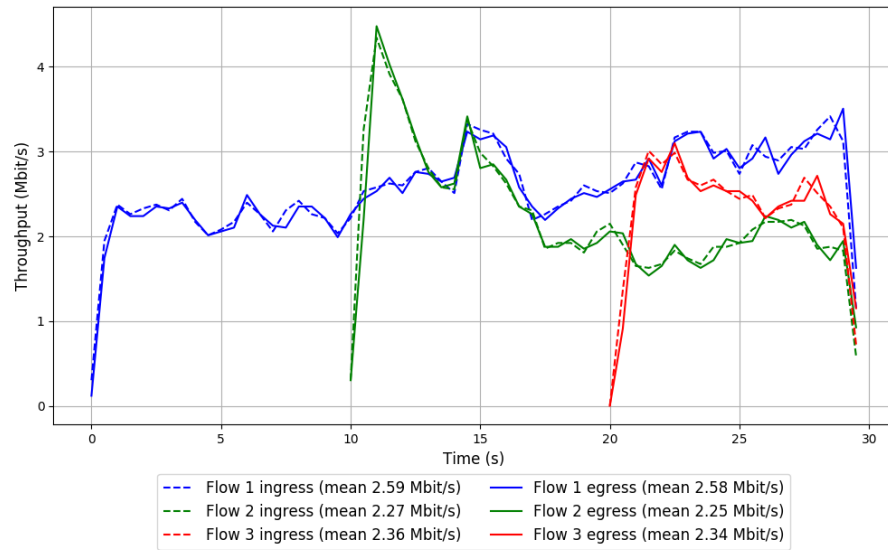


Run 9: Statistics of QUIC Cubic

Start at: 2017-11-16 13:21:31
End at: 2017-11-16 13:22:01
Local clock offset: 1.109 ms
Remote clock offset: -45.049 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.83 Mbit/s
95th percentile per-packet one-way delay: 109.974 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 109.851 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 110.193 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 110.180 ms
Loss rate: 0.70%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-11-16 13:42:05

End at: 2017-11-16 13:42:35

Local clock offset: 1.181 ms

Remote clock offset: -42.698 ms

Below is generated by plot.py at 2017-11-16 14:03:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.63 Mbit/s

95th percentile per-packet one-way delay: 112.229 ms

Loss rate: 1.91%

-- Flow 1:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 112.349 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 111.999 ms

Loss rate: 1.79%

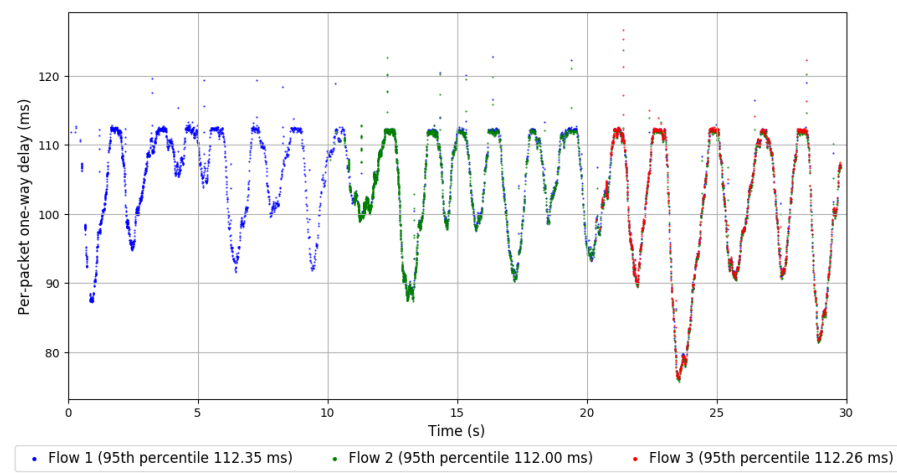
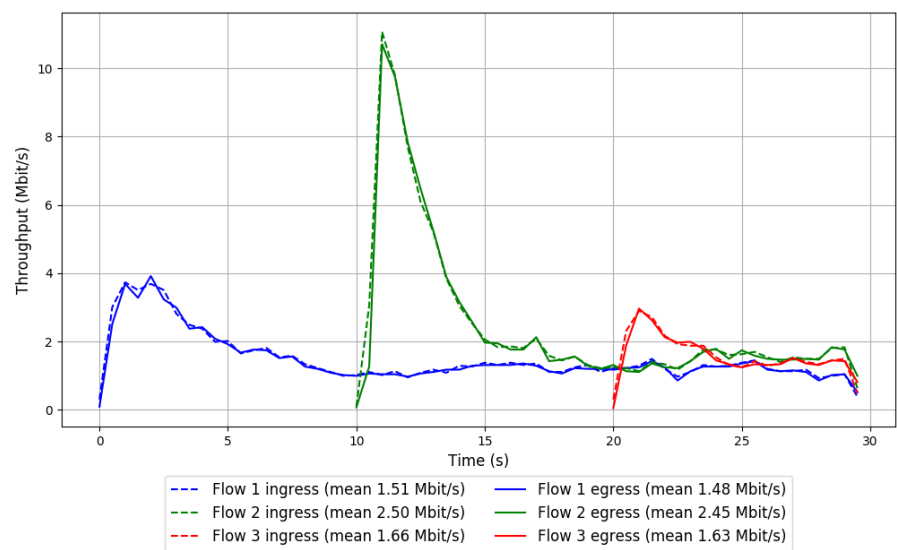
-- Flow 3:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 112.264 ms

Loss rate: 1.99%

Run 10: Report of QUIC Cubic — Data Link

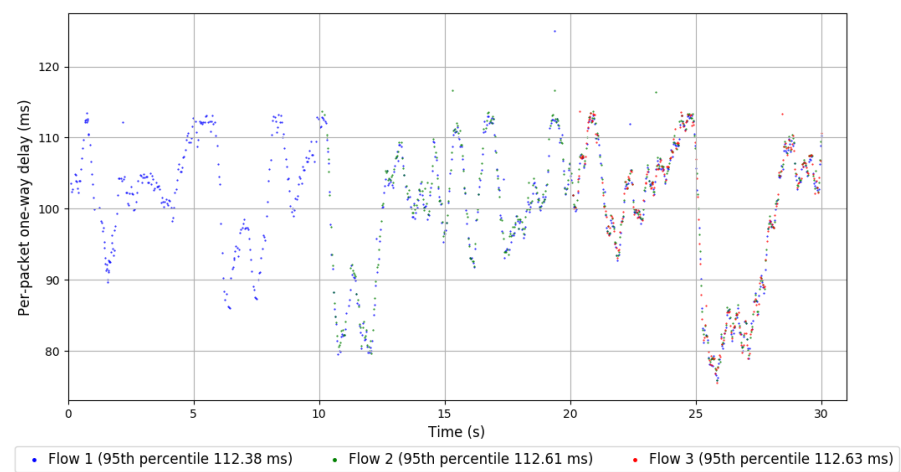
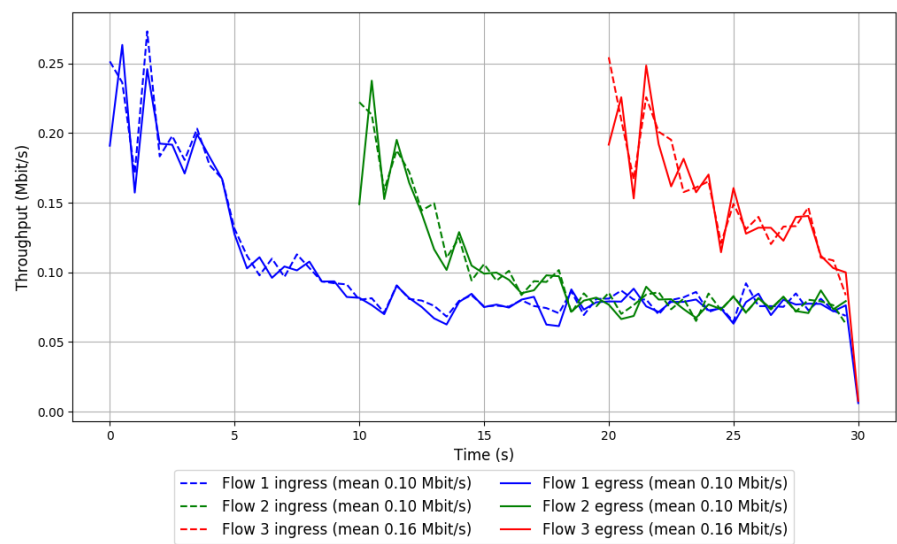


Run 1: Statistics of SCReAM

Start at: 2017-11-16 10:47:36
End at: 2017-11-16 10:48:06
Local clock offset: 1.85 ms
Remote clock offset: -41.091 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.451 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 112.376 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 112.607 ms
Loss rate: 2.67%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 112.627 ms
Loss rate: 1.24%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

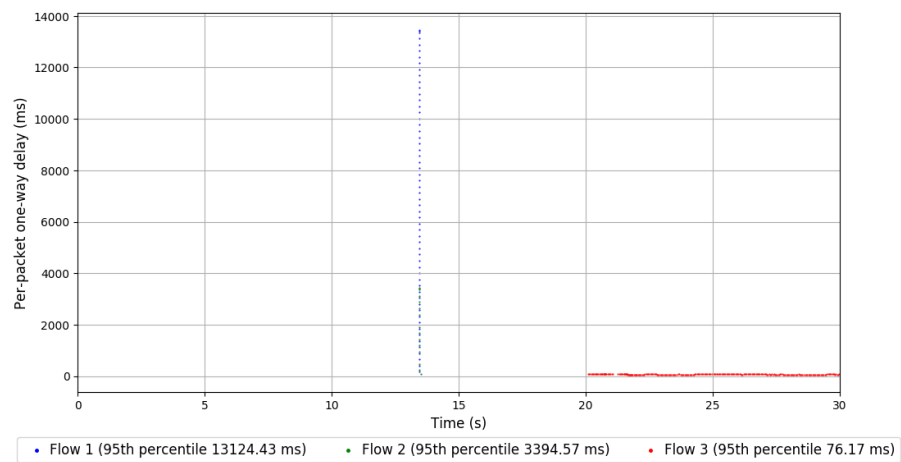
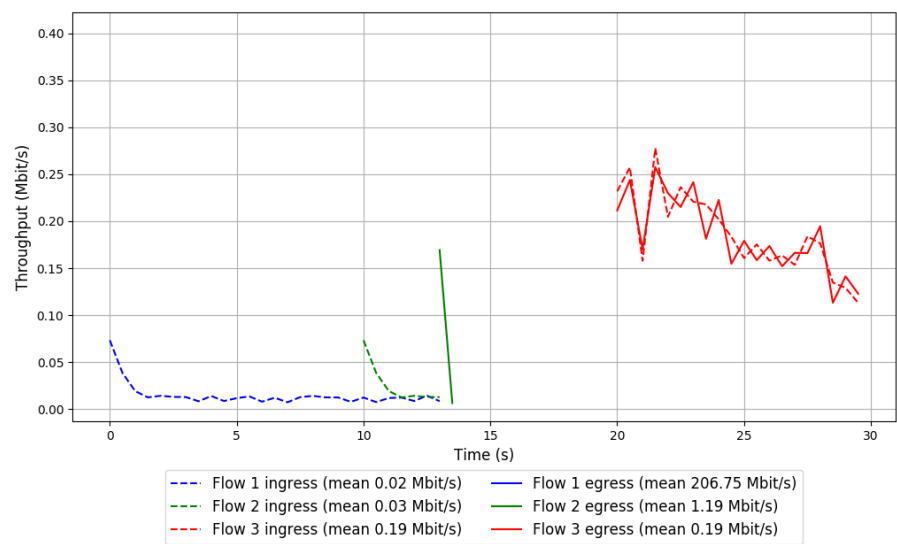
Start at: 2017-11-16 11:06:26

End at: 2017-11-16 11:06:56

Local clock offset: 1.751 ms

Remote clock offset: -18.593 ms

Run 2: Report of SReAM — Data Link

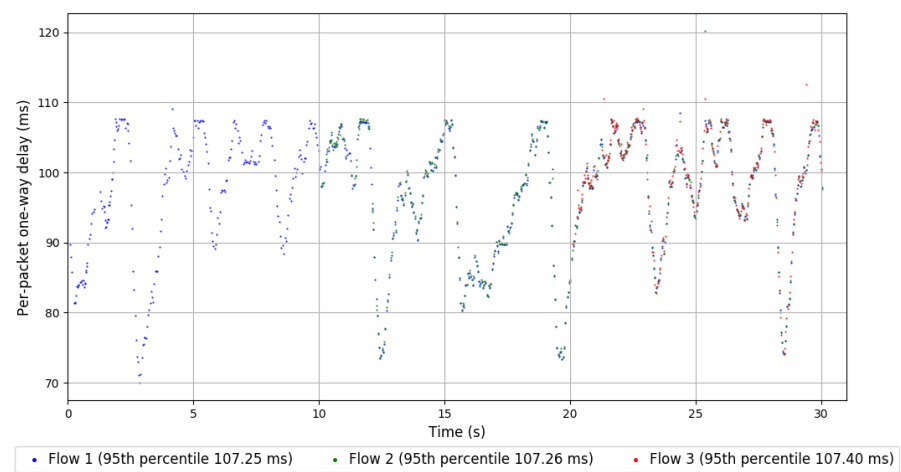
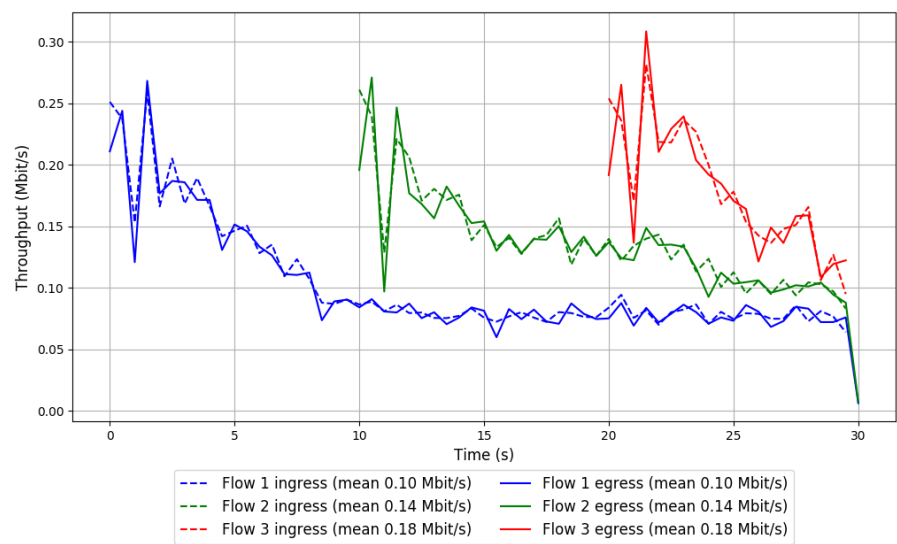


Run 3: Statistics of SCReAM

Start at: 2017-11-16 11:25:16
End at: 2017-11-16 11:25:46
Local clock offset: 1.723 ms
Remote clock offset: -50.249 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 107.300 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 107.246 ms
Loss rate: 1.78%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 107.264 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 107.402 ms
Loss rate: 1.20%

Run 3: Report of SReAM — Data Link

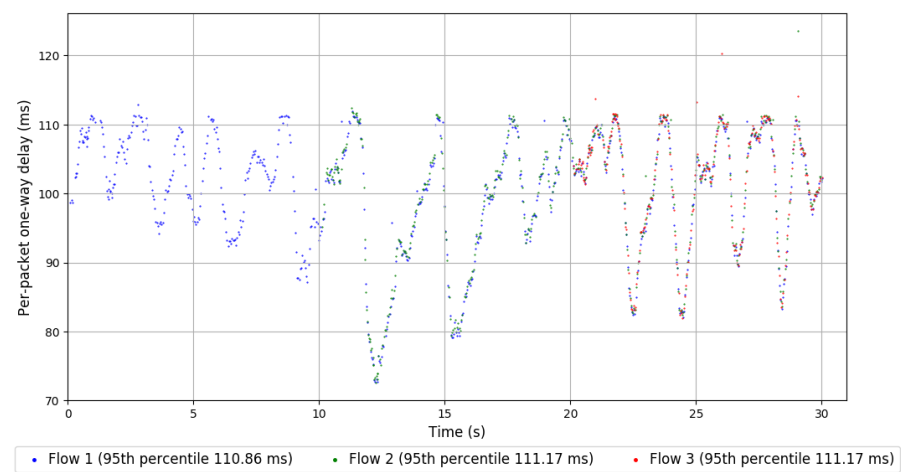
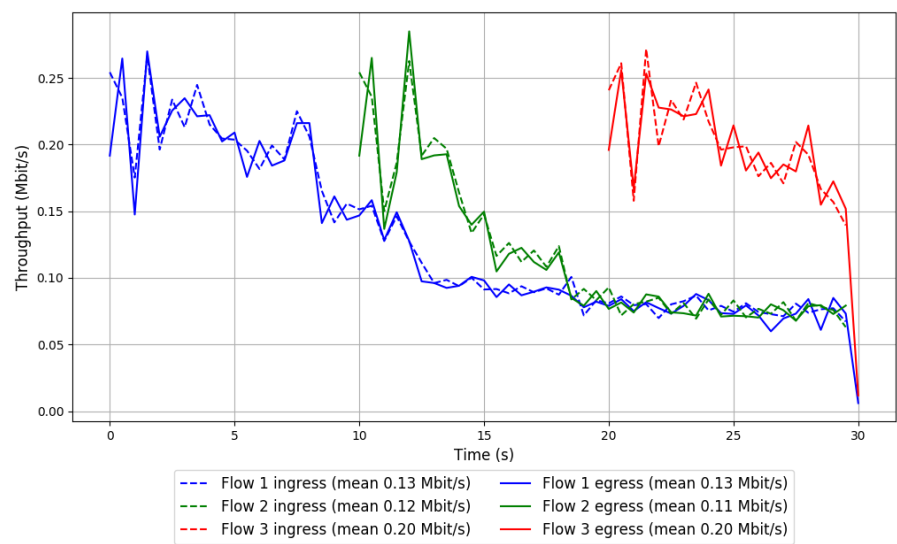


Run 4: Statistics of SCReAM

Start at: 2017-11-16 11:44:24
End at: 2017-11-16 11:44:54
Local clock offset: 1.18 ms
Remote clock offset: -48.01 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 111.008 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 110.861 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 111.169 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.175 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

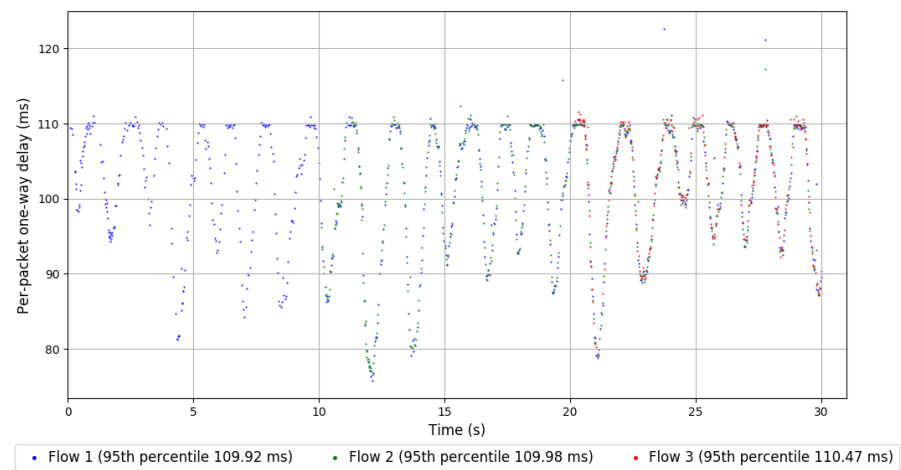
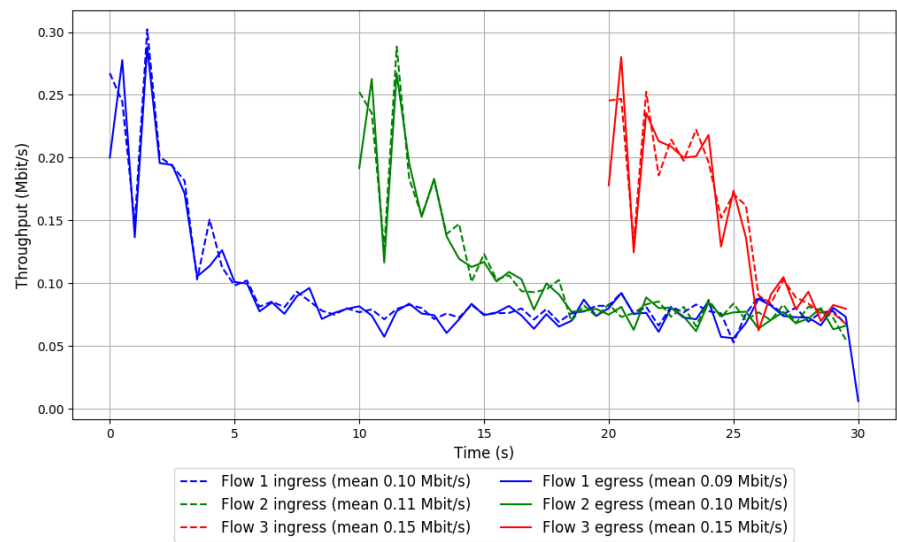


Run 5: Statistics of SCReAM

Start at: 2017-11-16 12:03:29
End at: 2017-11-16 12:03:59
Local clock offset: 1.218 ms
Remote clock offset: -50.378 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.059 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 109.920 ms
Loss rate: 3.46%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 109.982 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 110.475 ms
Loss rate: 2.85%

Run 5: Report of SReAM — Data Link

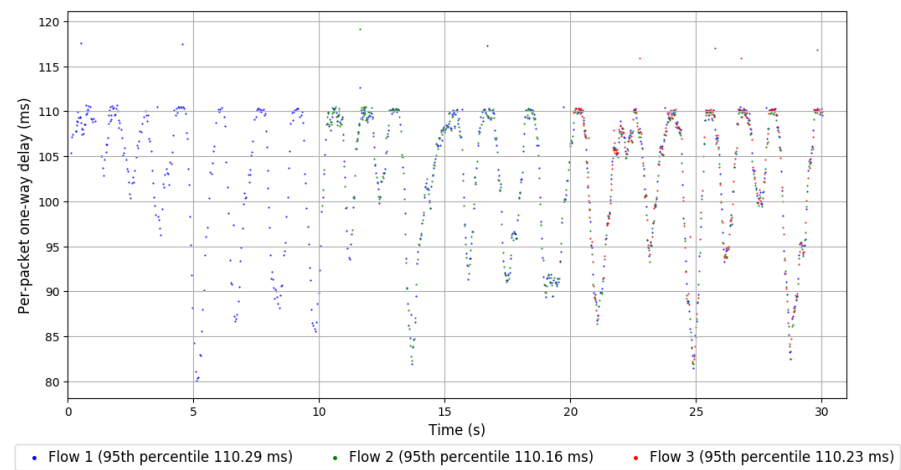
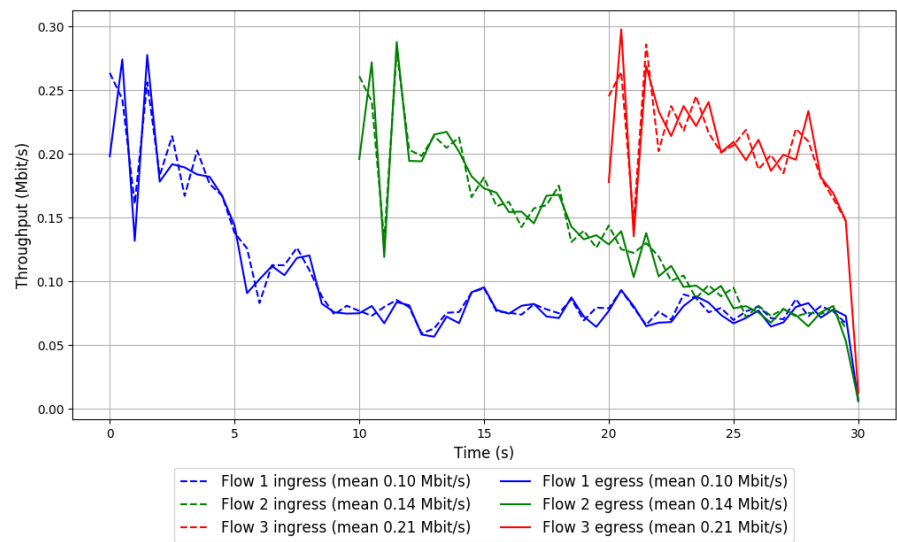


Run 6: Statistics of SReAM

Start at: 2017-11-16 12:23:29
End at: 2017-11-16 12:23:59
Local clock offset: 0.788 ms
Remote clock offset: -49.15 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 110.253 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 110.287 ms
Loss rate: 2.47%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 110.157 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 110.233 ms
Loss rate: 0.31%

Run 6: Report of SReAM — Data Link

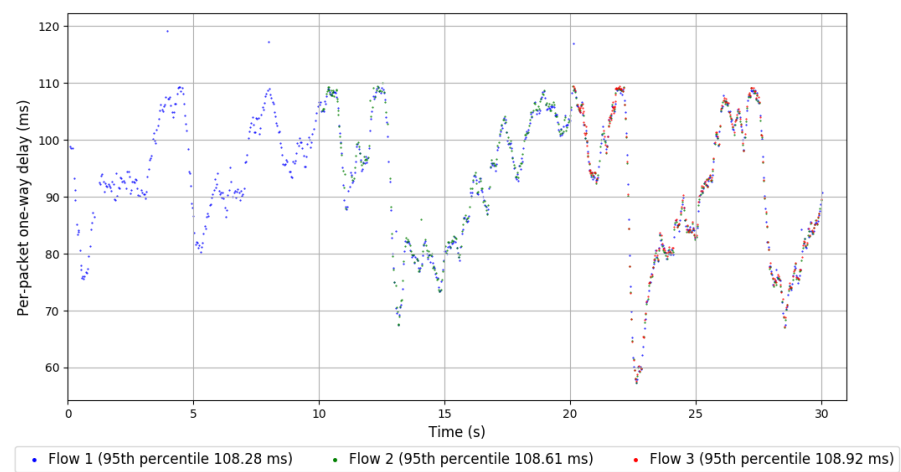
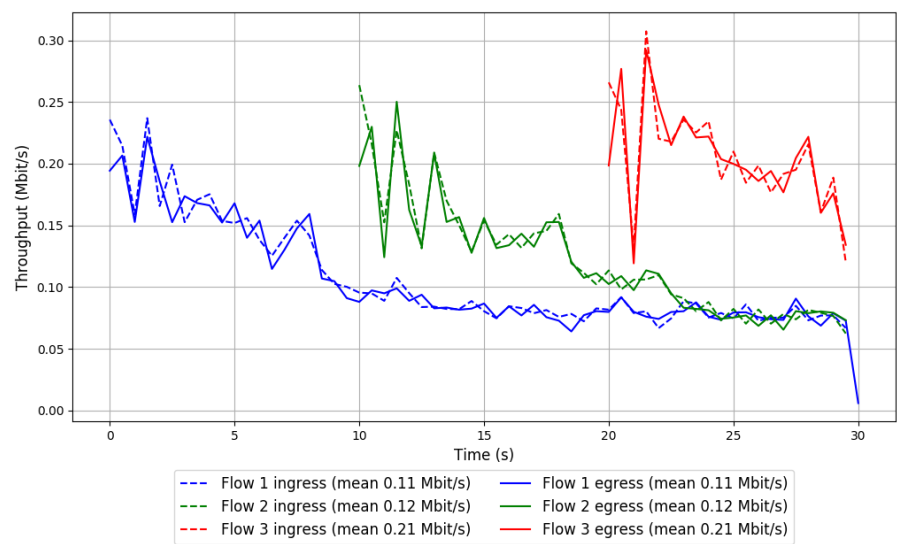


Run 7: Statistics of SCReAM

Start at: 2017-11-16 12:42:48
End at: 2017-11-16 12:43:18
Local clock offset: 0.649 ms
Remote clock offset: -48.782 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 108.518 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 108.277 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 108.613 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 108.916 ms
Loss rate: 0.69%

Run 7: Report of SReAM — Data Link

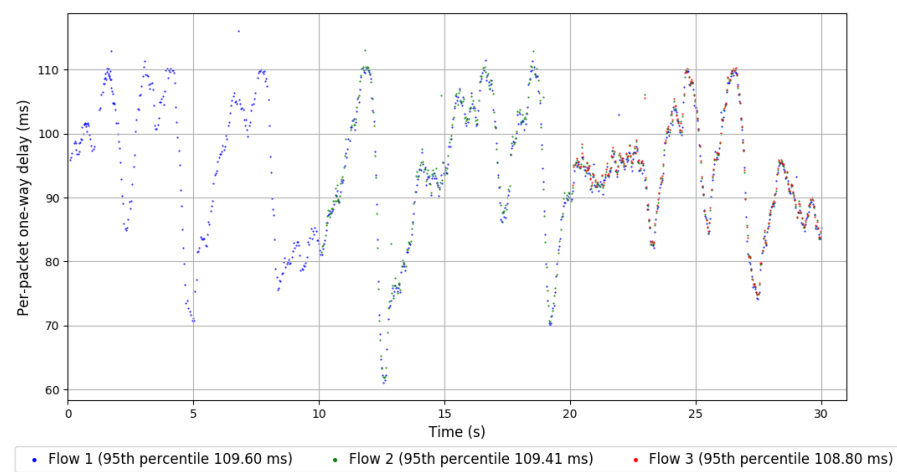
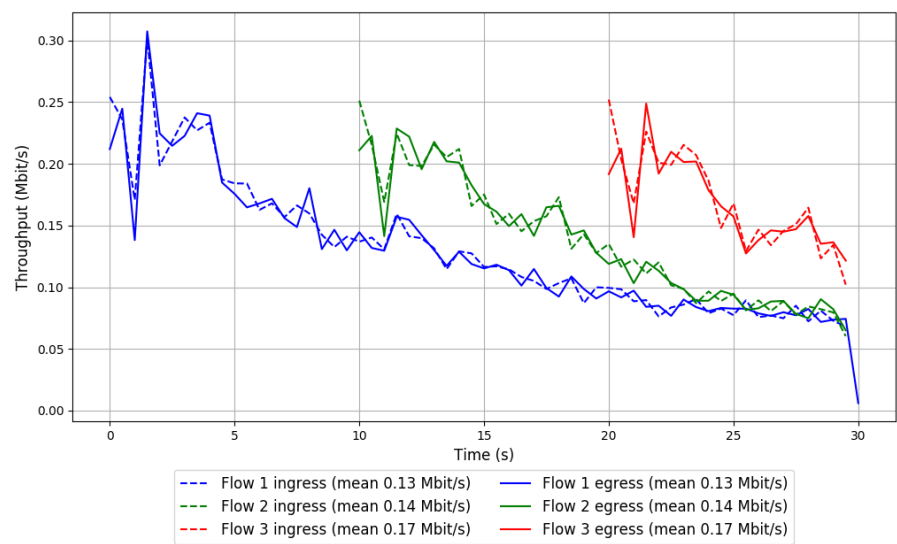


Run 8: Statistics of SCReAM

Start at: 2017-11-16 13:02:33
End at: 2017-11-16 13:03:03
Local clock offset: 0.683 ms
Remote clock offset: -46.034 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 109.530 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 109.600 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 109.414 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 108.803 ms
Loss rate: 1.49%

Run 8: Report of SReAM — Data Link

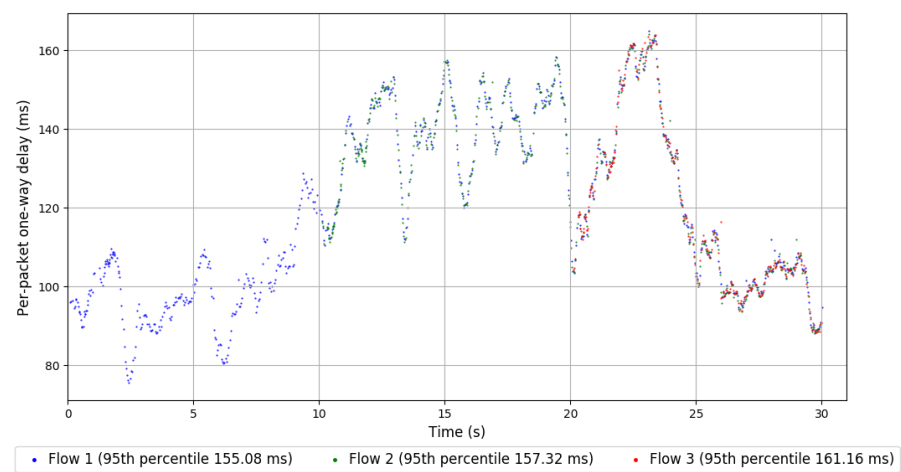
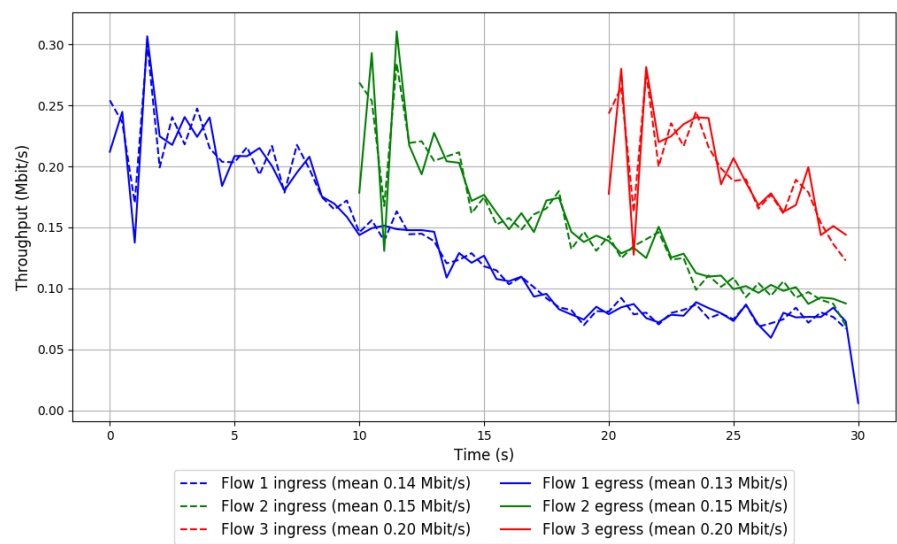


Run 9: Statistics of SCReAM

Start at: 2017-11-16 13:22:50
End at: 2017-11-16 13:23:20
Local clock offset: 1.005 ms
Remote clock offset: -47.395 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 157.274 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 155.076 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 157.323 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 161.155 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

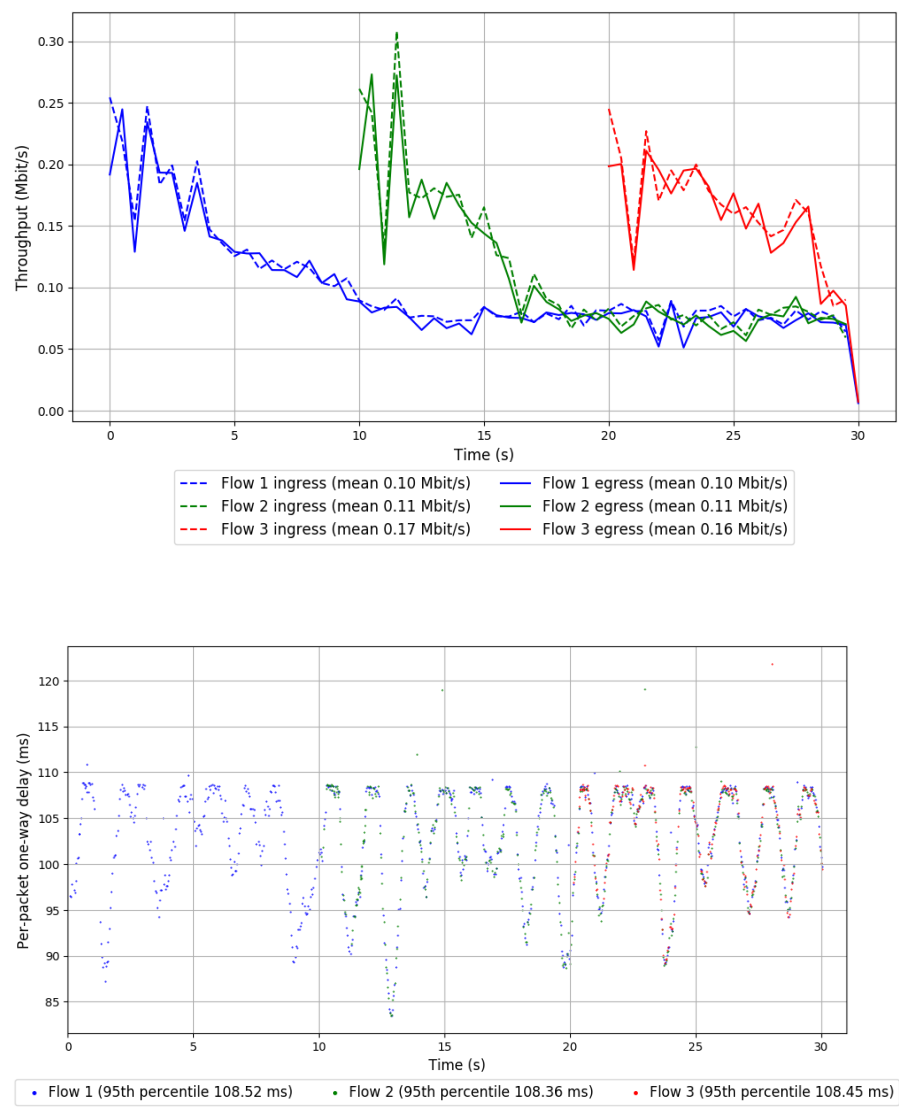


Run 10: Statistics of SReAM

Start at: 2017-11-16 13:43:24
End at: 2017-11-16 13:43:54
Local clock offset: 1.286 ms
Remote clock offset: -45.99 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.472 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 108.522 ms
Loss rate: 3.64%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 108.364 ms
Loss rate: 4.30%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 108.449 ms
Loss rate: 3.09%

Run 10: Report of SReAM — Data Link

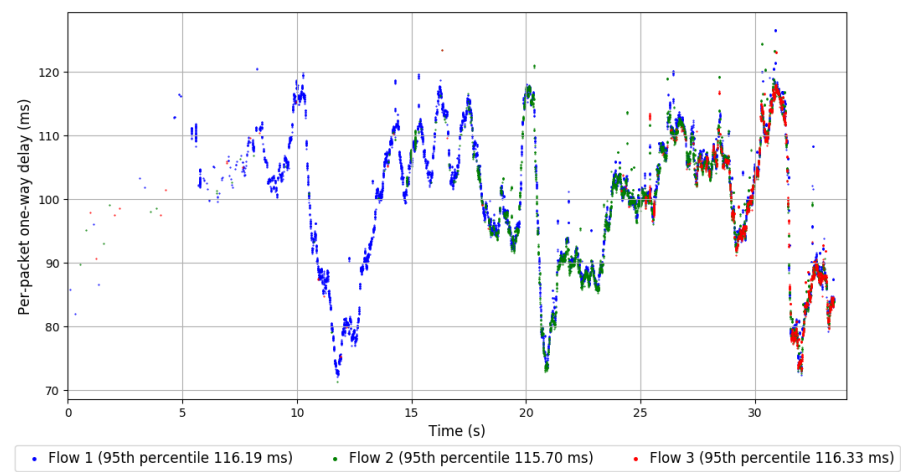
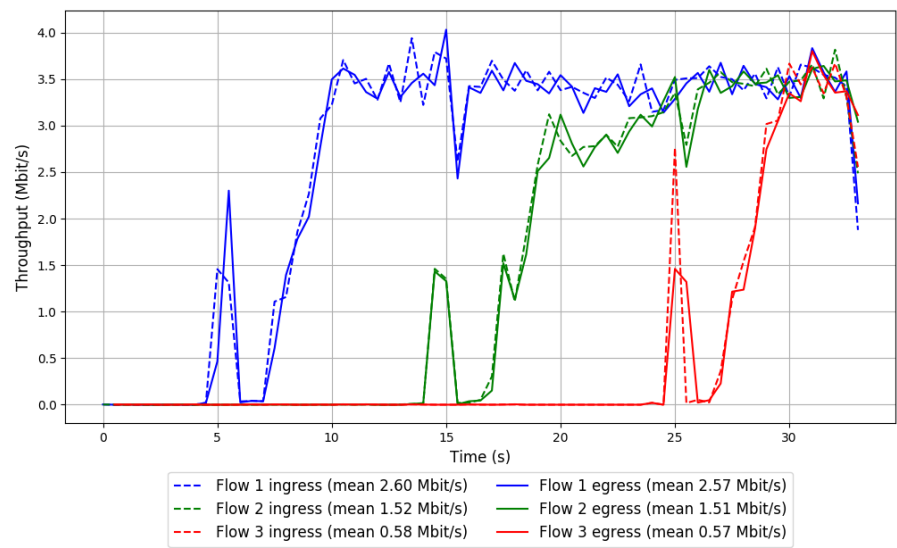


Run 1: Statistics of WebRTC media

Start at: 2017-11-16 10:38:01
End at: 2017-11-16 10:38:31
Local clock offset: 1.709 ms
Remote clock offset: -36.234 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.61 Mbit/s
95th percentile per-packet one-way delay: 116.099 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 116.195 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 115.703 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 116.329 ms
Loss rate: 1.27%

Run 1: Report of WebRTC media — Data Link

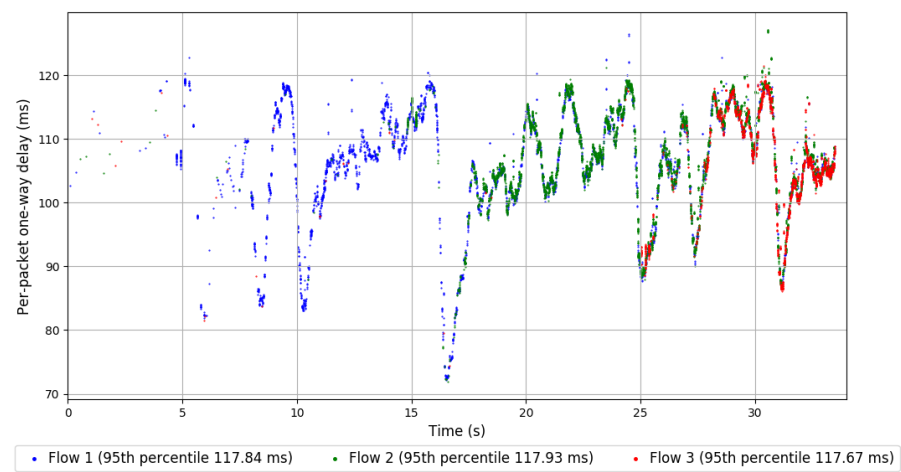
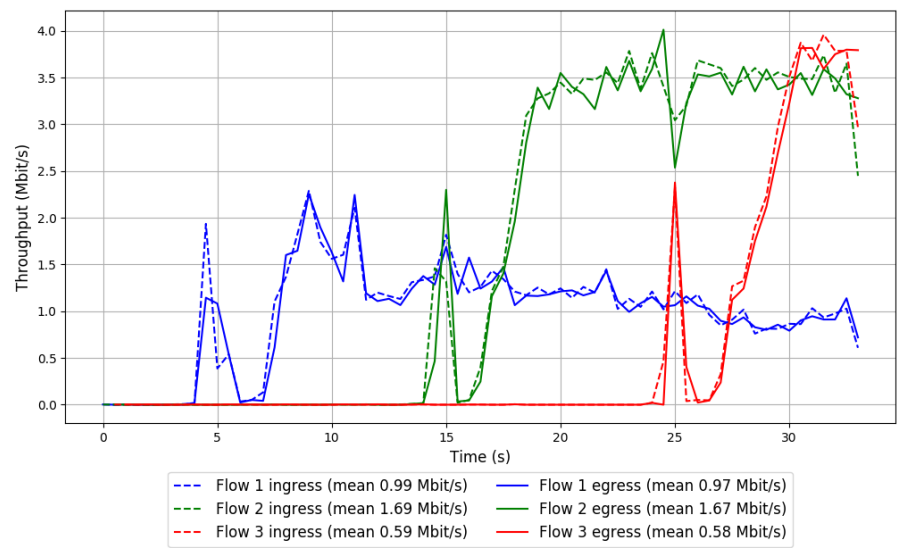


Run 2: Statistics of WebRTC media

Start at: 2017-11-16 10:57:09
End at: 2017-11-16 10:57:39
Local clock offset: 1.941 ms
Remote clock offset: -37.429 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 117.838 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 117.840 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 117.934 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 117.666 ms
Loss rate: 1.83%

Run 2: Report of WebRTC media — Data Link

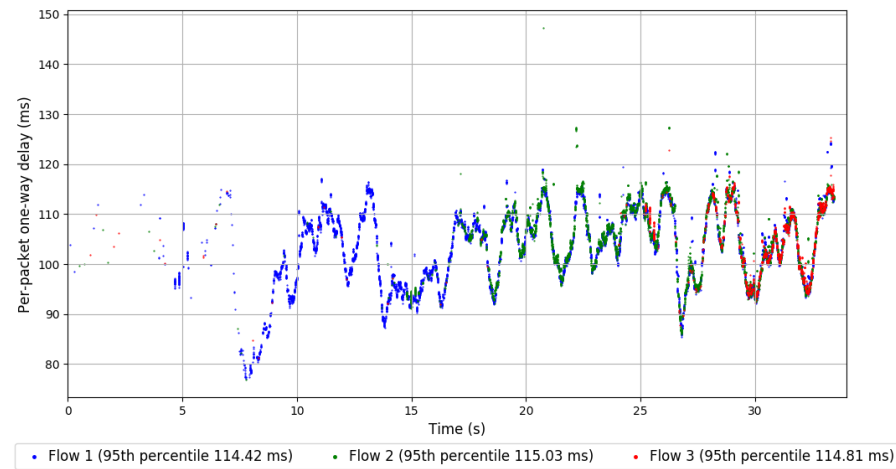
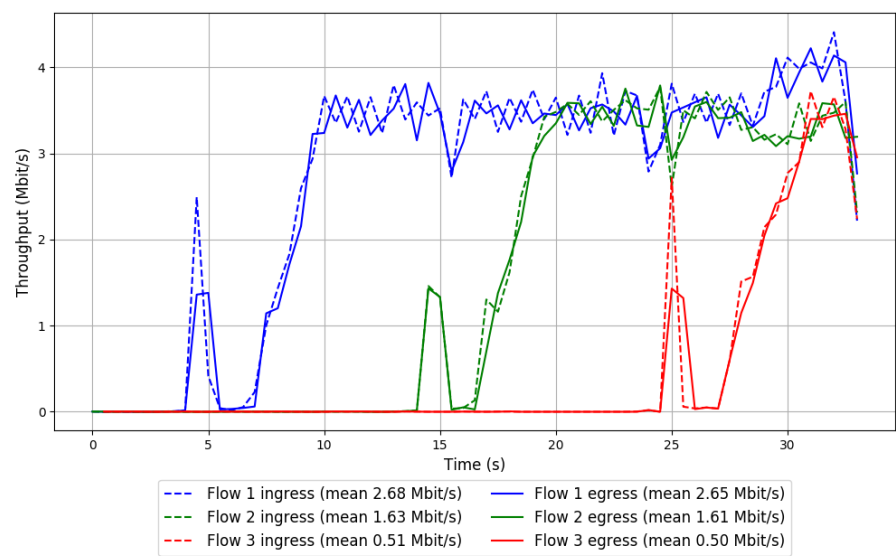


Run 3: Statistics of WebRTC media

Start at: 2017-11-16 11:15:45
End at: 2017-11-16 11:16:15
Local clock offset: 1.615 ms
Remote clock offset: -42.652 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 114.714 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 114.423 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 115.025 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 114.806 ms
Loss rate: 0.84%

Run 3: Report of WebRTC media — Data Link

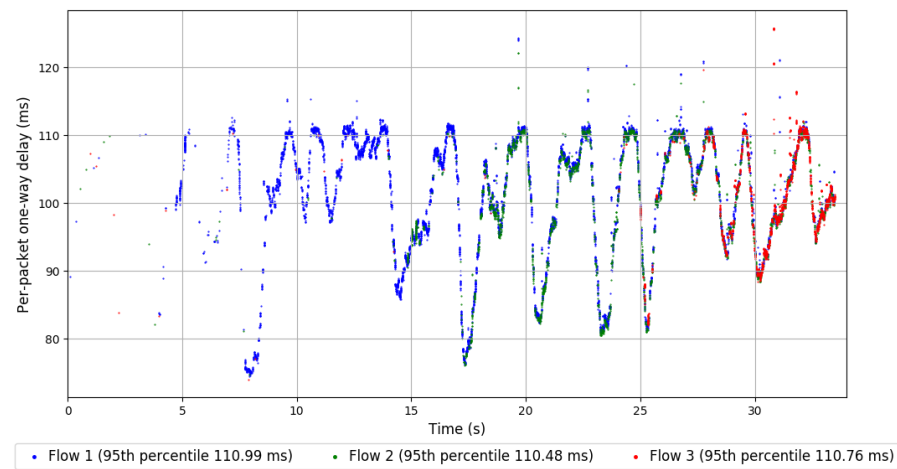
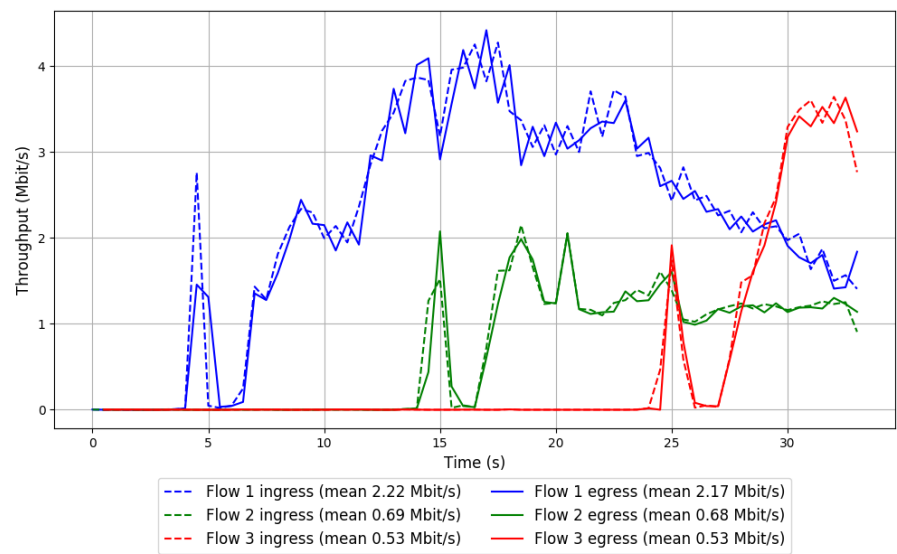


Run 4: Statistics of WebRTC media

Start at: 2017-11-16 11:34:59
End at: 2017-11-16 11:35:29
Local clock offset: 1.585 ms
Remote clock offset: -48.022 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 110.883 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 110.994 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 110.478 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 110.760 ms
Loss rate: 1.56%

Run 4: Report of WebRTC media — Data Link

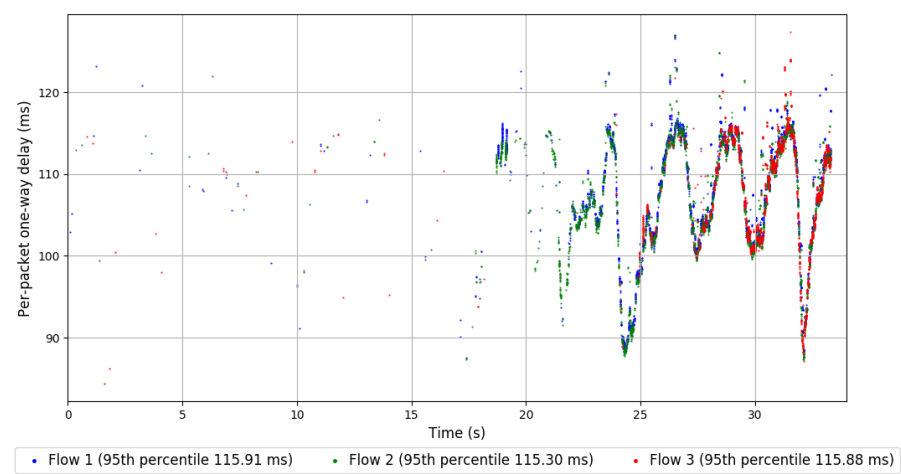
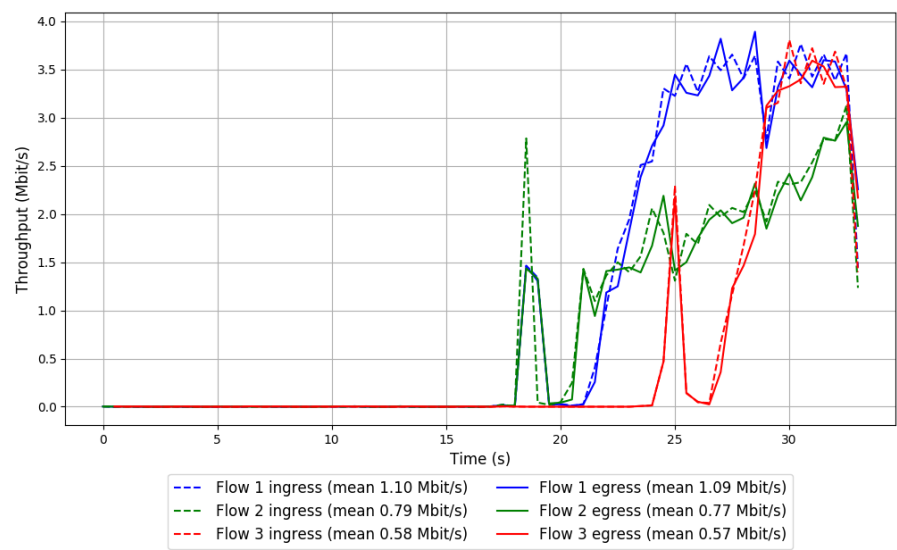


Run 5: Statistics of WebRTC media

Start at: 2017-11-16 11:54:05
End at: 2017-11-16 11:54:35
Local clock offset: 1.287 ms
Remote clock offset: -44.567 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 115.760 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 115.906 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 115.297 ms
Loss rate: 1.64%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 115.876 ms
Loss rate: 2.31%

Run 5: Report of WebRTC media — Data Link

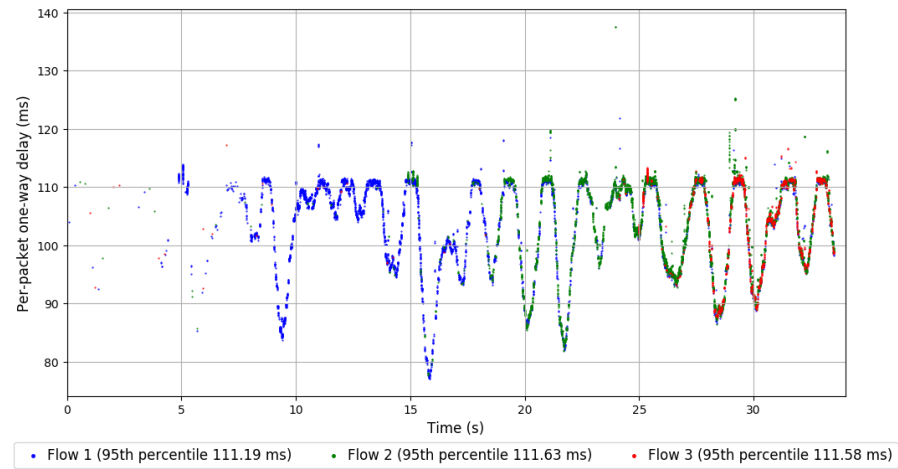
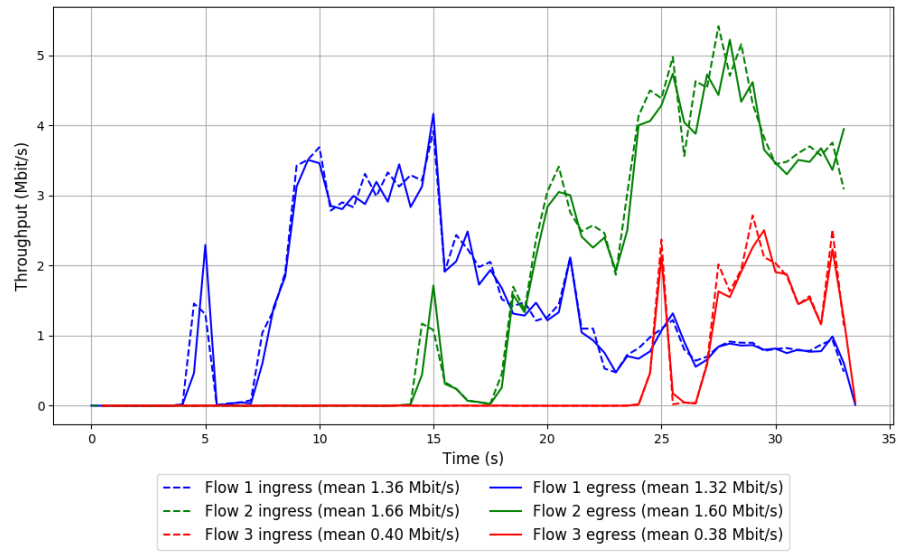


Run 6: Statistics of WebRTC media

Start at: 2017-11-16 12:13:22
End at: 2017-11-16 12:13:52
Local clock offset: 0.905 ms
Remote clock offset: -49.481 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 111.517 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 111.195 ms
Loss rate: 2.70%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 111.632 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 111.581 ms
Loss rate: 3.59%

Run 6: Report of WebRTC media — Data Link

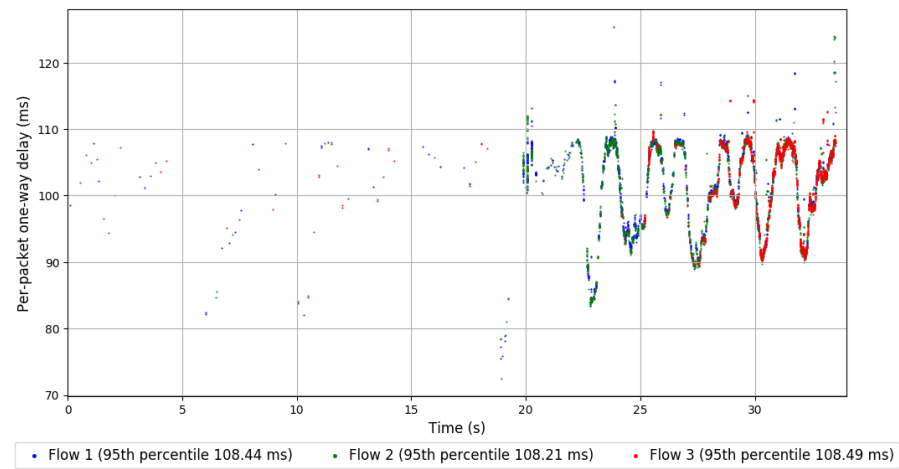
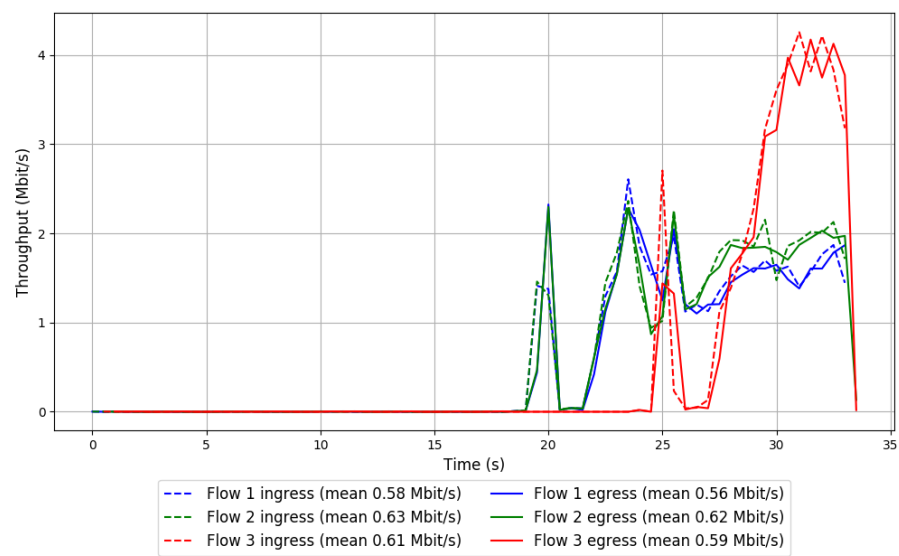


Run 7: Statistics of WebRTC media

Start at: 2017-11-16 12:33:09
End at: 2017-11-16 12:33:39
Local clock offset: 0.68 ms
Remote clock offset: -50.521 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 108.394 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 108.442 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 108.210 ms
Loss rate: 2.17%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 108.493 ms
Loss rate: 2.92%

Run 7: Report of WebRTC media — Data Link

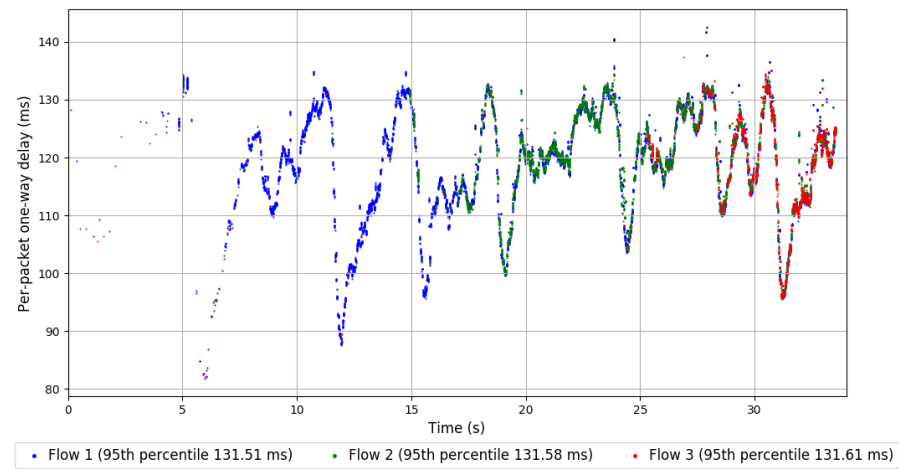
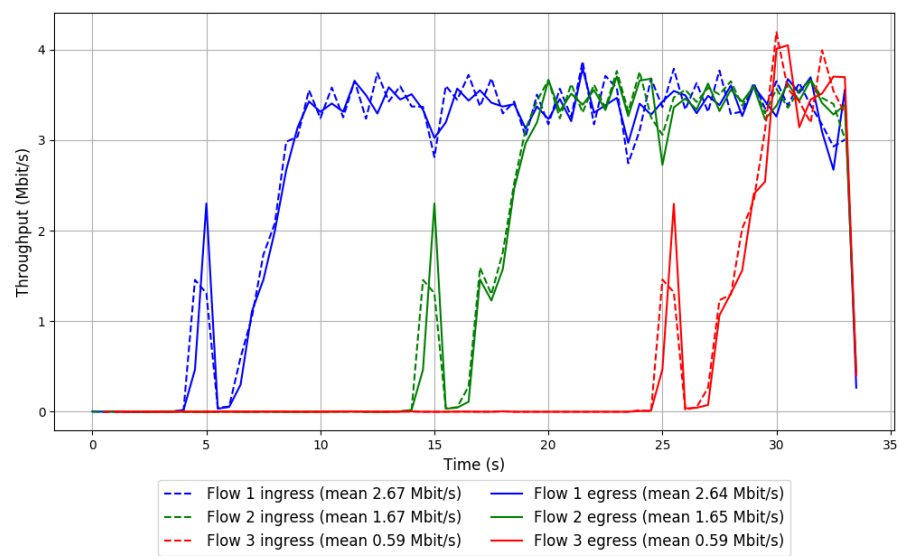


Run 8: Statistics of WebRTC media

Start at: 2017-11-16 12:52:25
End at: 2017-11-16 12:52:55
Local clock offset: 0.713 ms
Remote clock offset: -25.238 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 131.537 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 131.513 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 1.65 Mbit/s
95th percentile per-packet one-way delay: 131.583 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 131.606 ms
Loss rate: 1.45%

Run 8: Report of WebRTC media — Data Link

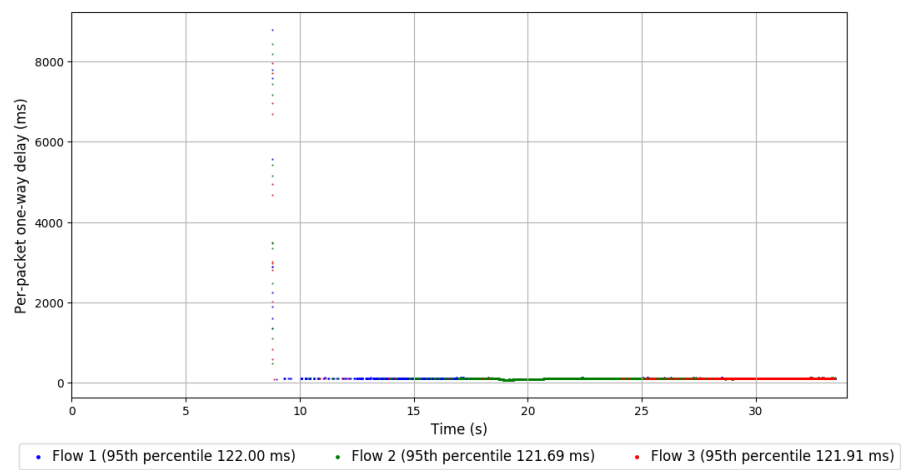
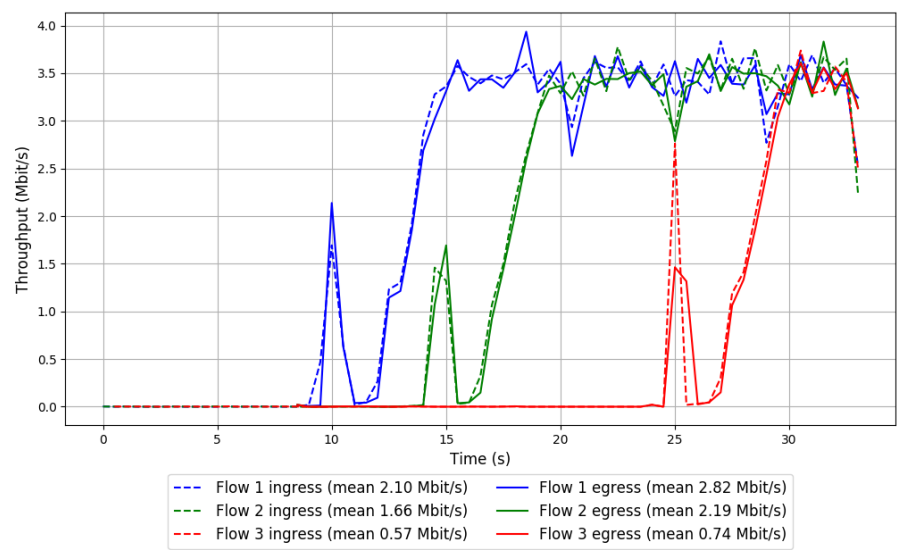


Run 9: Statistics of WebRTC media

Start at: 2017-11-16 13:12:42
End at: 2017-11-16 13:13:12
Local clock offset: 0.86 ms
Remote clock offset: -34.285 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.75 Mbit/s
95th percentile per-packet one-way delay: 121.904 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 122.005 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 121.689 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 121.908 ms
Loss rate: 0.67%

Run 9: Report of WebRTC media — Data Link

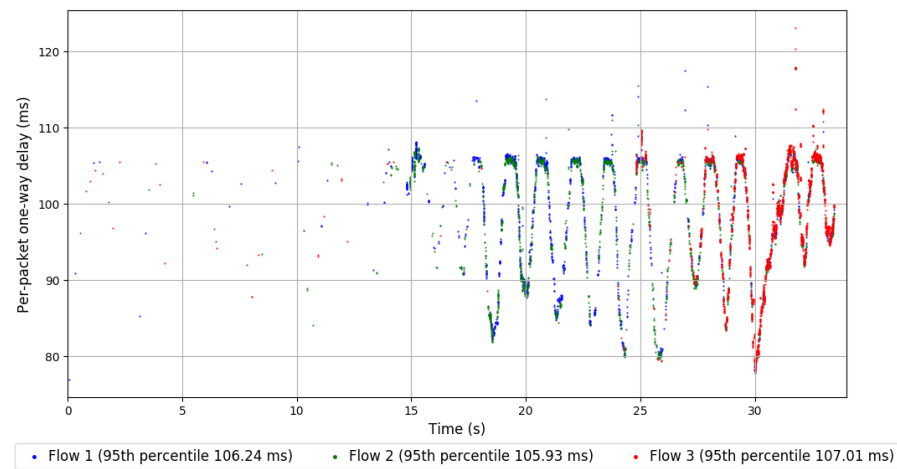
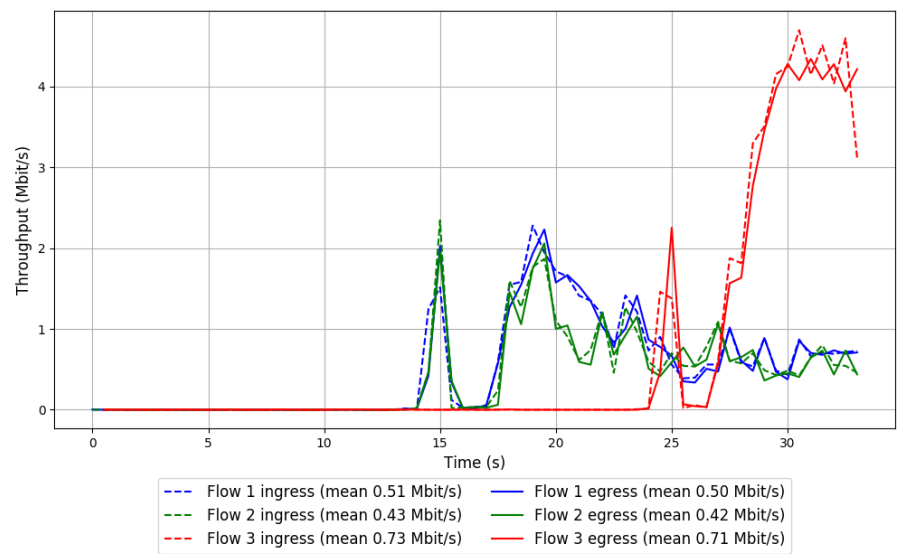


Run 10: Statistics of WebRTC media

Start at: 2017-11-16 13:33:26
End at: 2017-11-16 13:33:56
Local clock offset: 1.148 ms
Remote clock offset: -49.63 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 106.486 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 106.243 ms
Loss rate: 2.95%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 105.930 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 107.007 ms
Loss rate: 3.15%

Run 10: Report of WebRTC media — Data Link

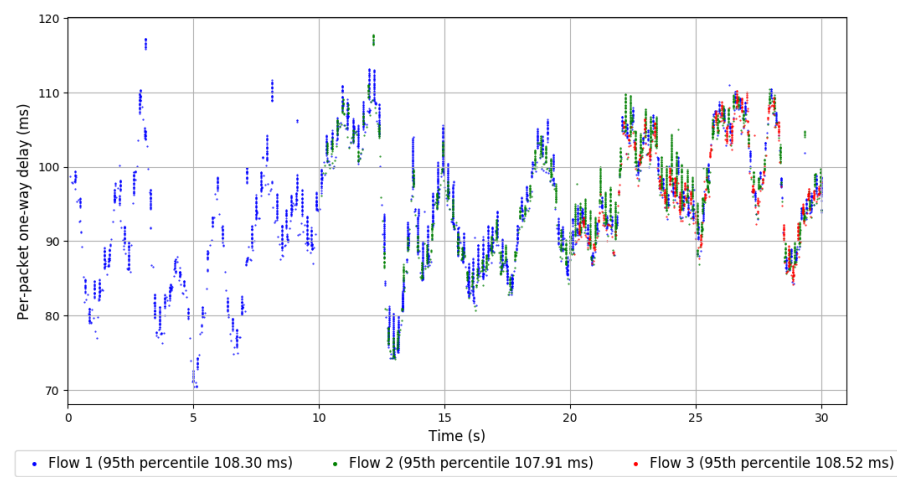
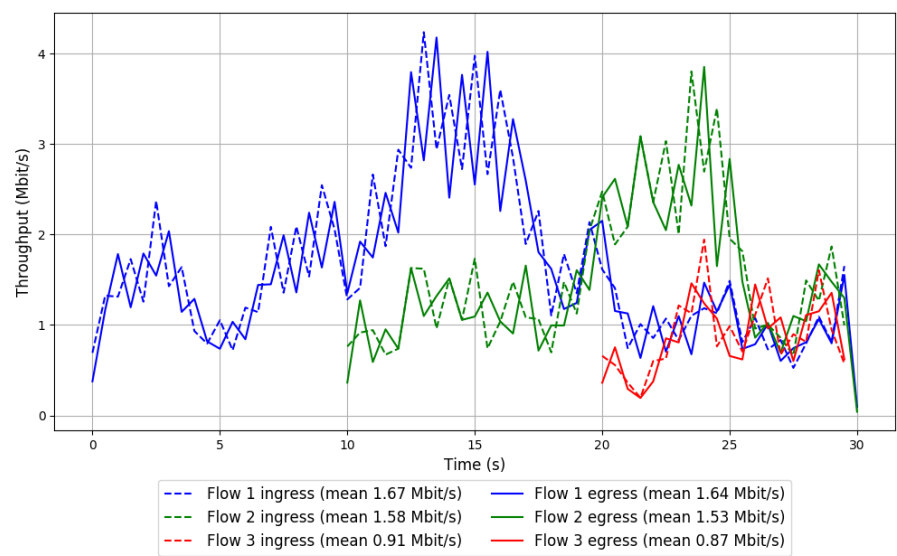


Run 1: Statistics of Sprout

Start at: 2017-11-16 10:36:43
End at: 2017-11-16 10:37:13
Local clock offset: 1.708 ms
Remote clock offset: -43.978 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 108.202 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 108.297 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 107.912 ms
Loss rate: 3.18%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 108.522 ms
Loss rate: 4.86%

Run 1: Report of Sprout — Data Link

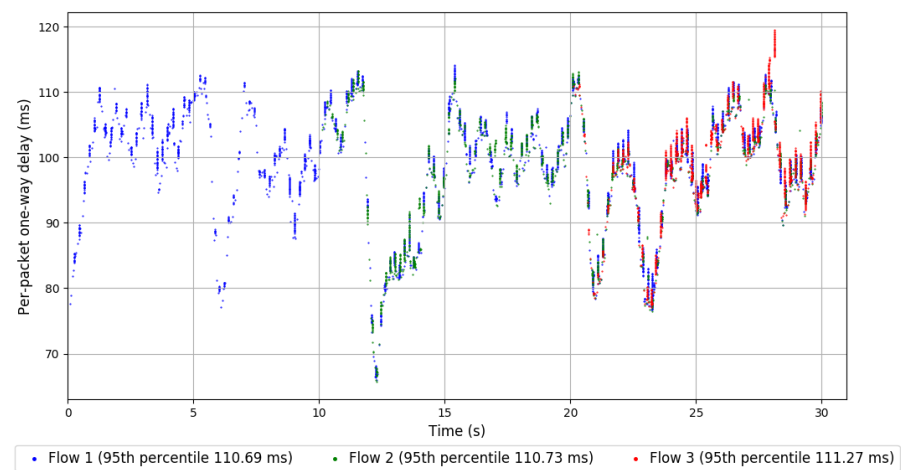
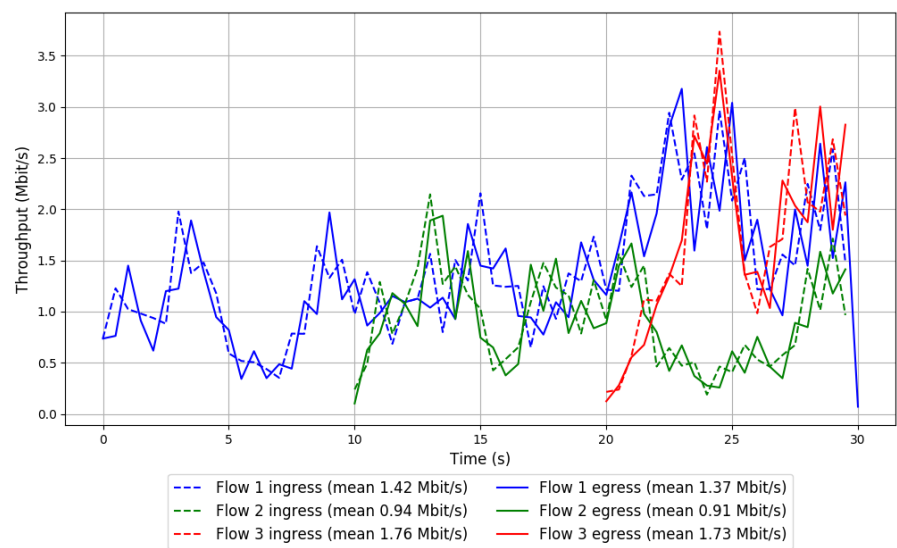


Run 2: Statistics of Sprout

Start at: 2017-11-16 10:55:52
End at: 2017-11-16 10:56:22
Local clock offset: 1.814 ms
Remote clock offset: -44.845 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 110.811 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 110.691 ms
Loss rate: 2.82%
-- Flow 2:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 110.731 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 111.265 ms
Loss rate: 1.43%

Run 2: Report of Sprout — Data Link

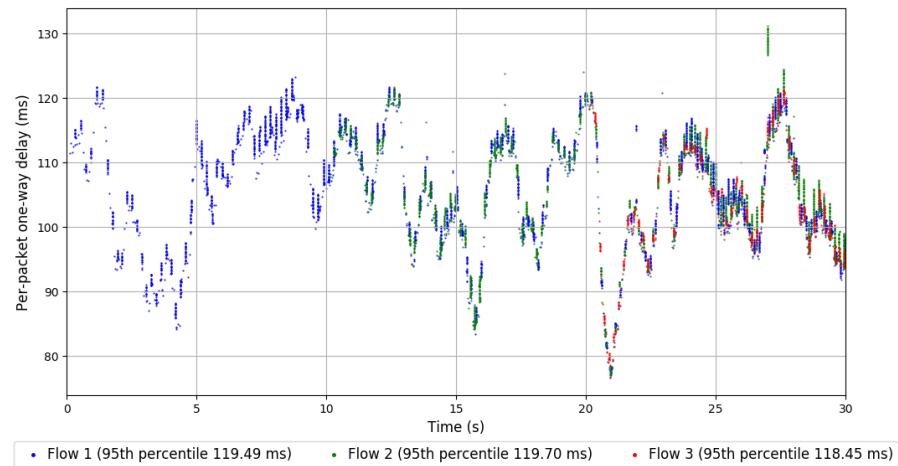
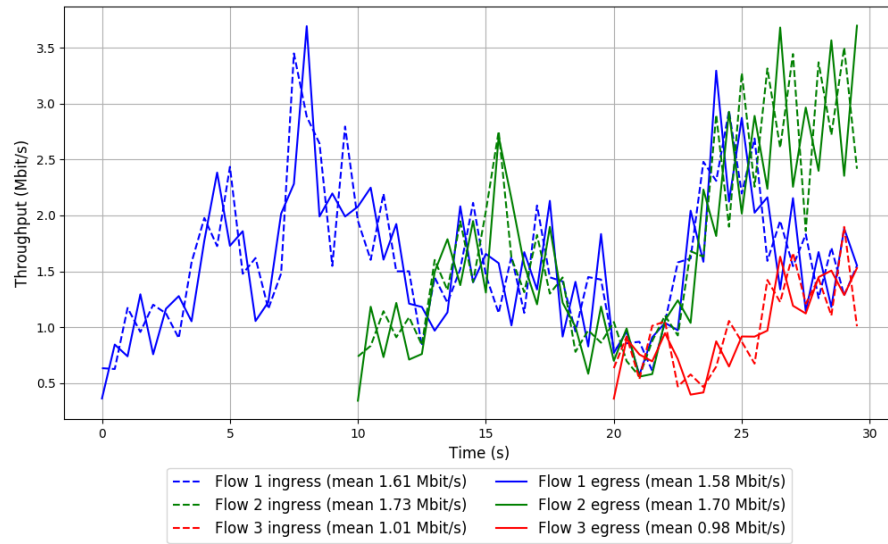


Run 3: Statistics of Sprout

Start at: 2017-11-16 11:14:28
End at: 2017-11-16 11:14:58
Local clock offset: 1.753 ms
Remote clock offset: -37.45 ms

```
# Below is generated by plot.py at 2017-11-16 14:03:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 119.400 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 119.489 ms
Loss rate: 2.05%
-- Flow 2:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 119.704 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 118.453 ms
Loss rate: 3.30%
```


Run 3: Report of Sprout — Data Link

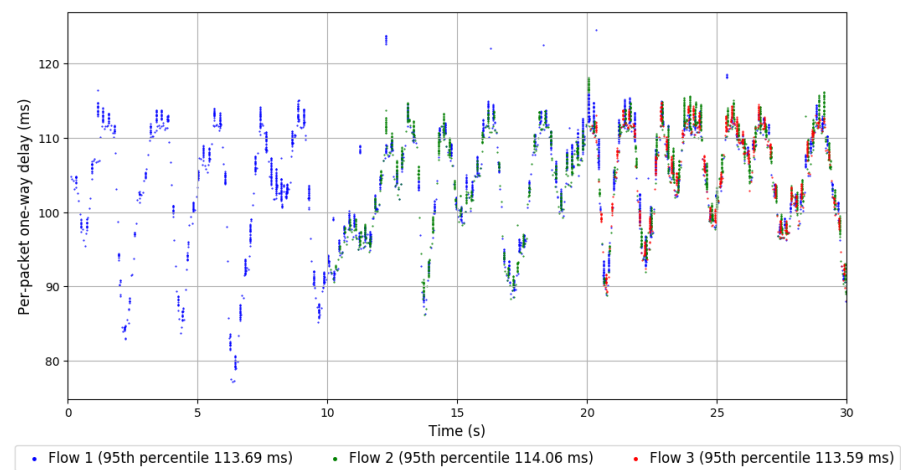
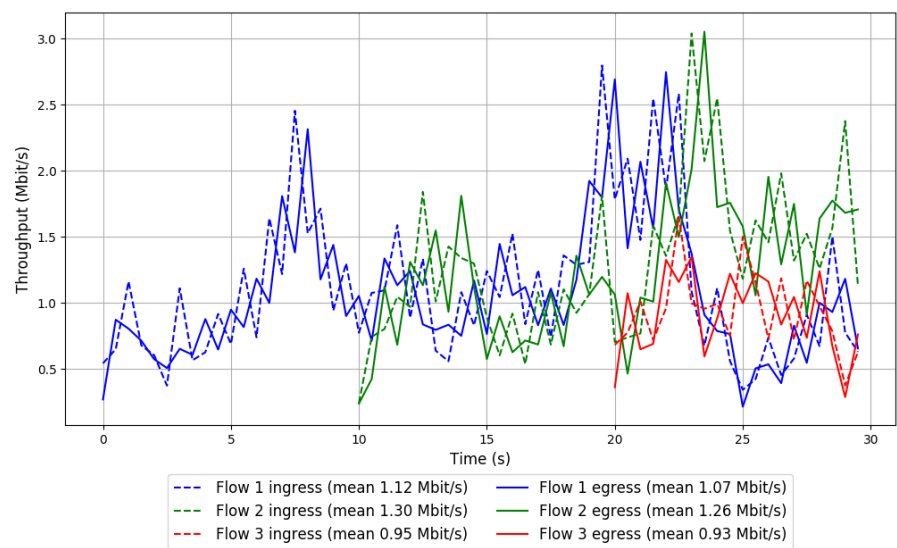


Run 4: Statistics of Sprout

Start at: 2017-11-16 11:33:42
End at: 2017-11-16 11:34:12
Local clock offset: 1.323 ms
Remote clock offset: -46.722 ms

```
# Below is generated by plot.py at 2017-11-16 14:03:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 113.781 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 113.687 ms
Loss rate: 3.80%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 114.057 ms
Loss rate: 3.32%
-- Flow 3:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 113.589 ms
Loss rate: 2.43%
```

Run 4: Report of Sprout — Data Link

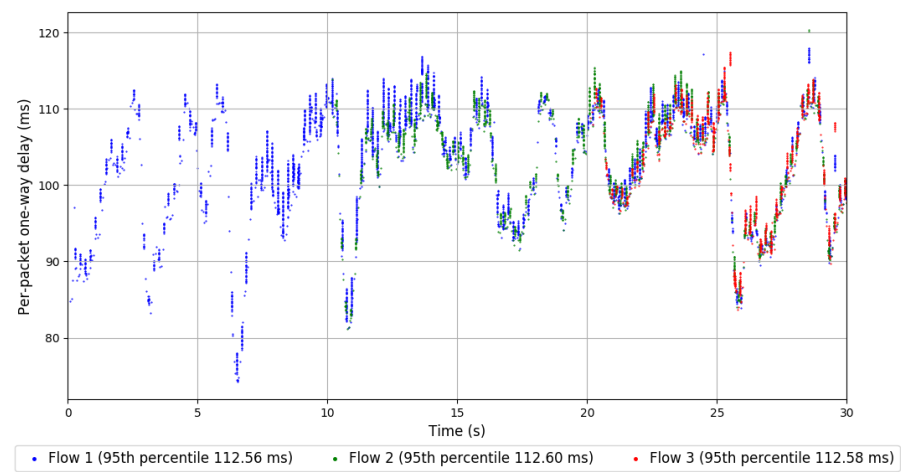
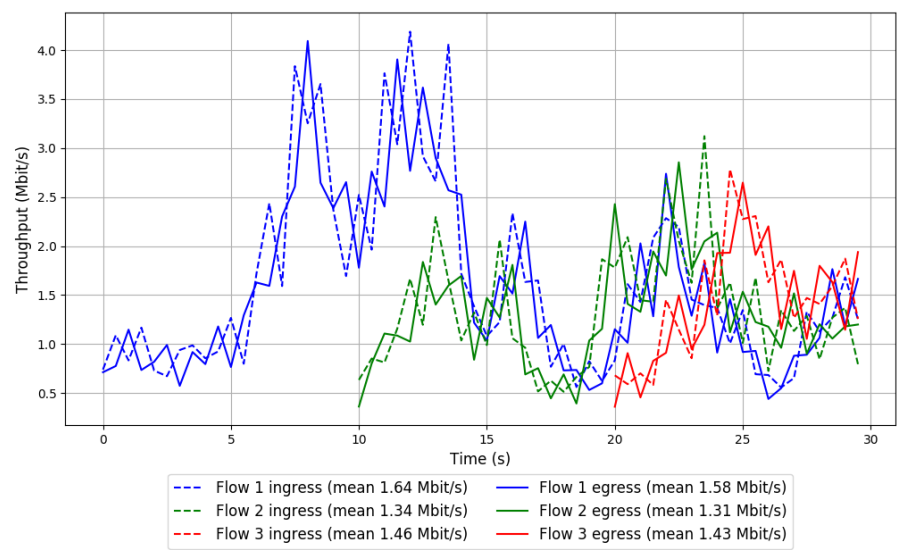


Run 5: Statistics of Sprout

Start at: 2017-11-16 11:52:46
End at: 2017-11-16 11:53:16
Local clock offset: 1.211 ms
Remote clock offset: -48.406 ms

```
# Below is generated by plot.py at 2017-11-16 14:03:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 112.592 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 112.562 ms
Loss rate: 3.65%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 112.604 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 112.575 ms
Loss rate: 2.37%
```

Run 5: Report of Sprout — Data Link

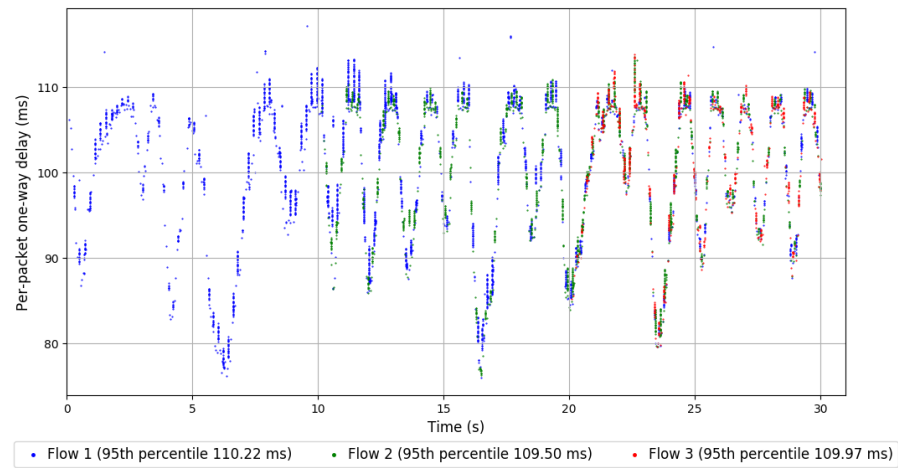
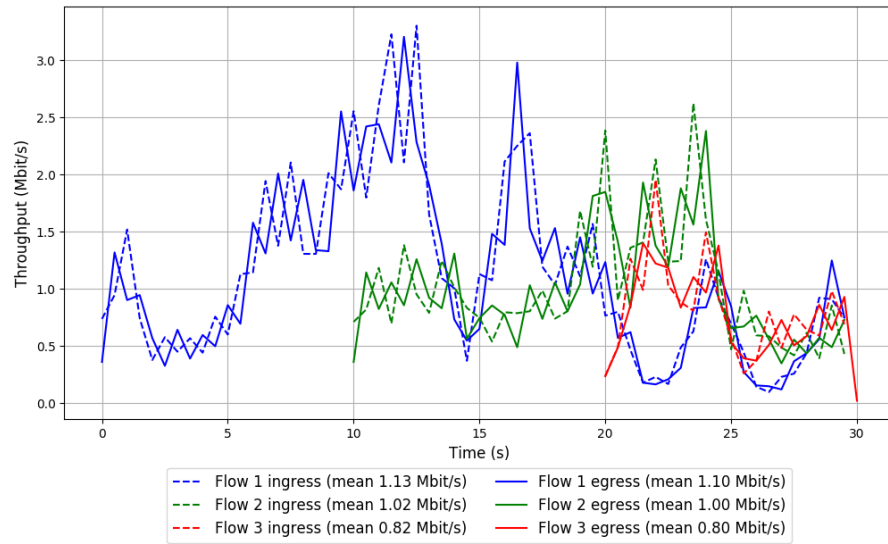


Run 6: Statistics of Sprout

Start at: 2017-11-16 12:12:04
End at: 2017-11-16 12:12:34
Local clock offset: 1.065 ms
Remote clock offset: -52.629 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 109.953 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 110.220 ms
Loss rate: 2.86%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 109.500 ms
Loss rate: 2.45%
-- Flow 3:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 109.966 ms
Loss rate: 3.06%

Run 6: Report of Sprout — Data Link

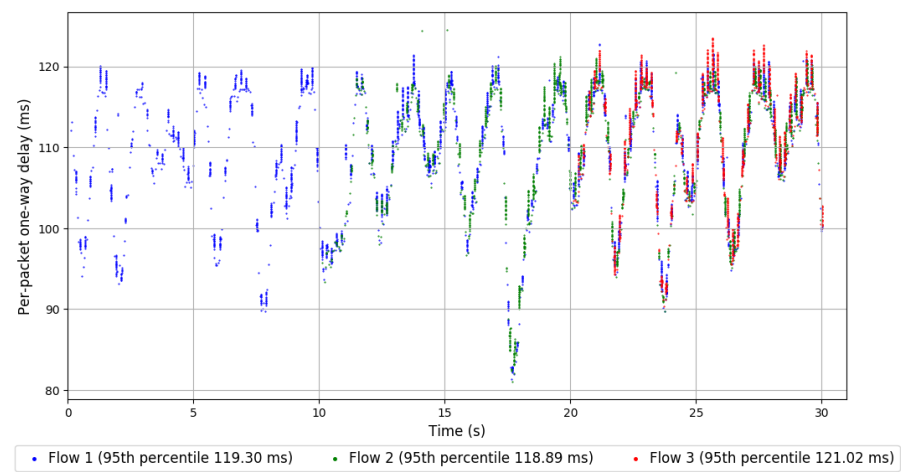
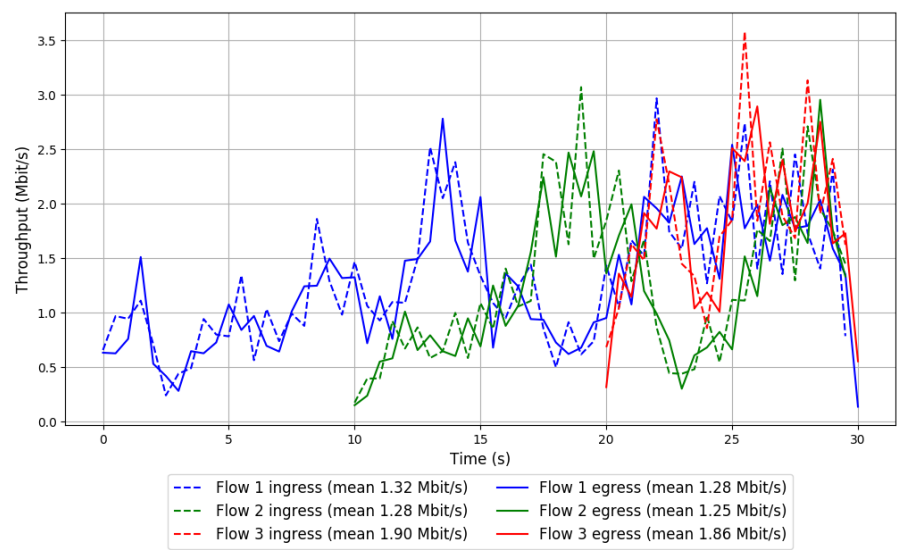


Run 7: Statistics of Sprout

Start at: 2017-11-16 12:31:51
End at: 2017-11-16 12:32:21
Local clock offset: 0.702 ms
Remote clock offset: -40.976 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 119.647 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 119.300 ms
Loss rate: 2.71%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 118.895 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 121.016 ms
Loss rate: 2.41%

Run 7: Report of Sprout — Data Link

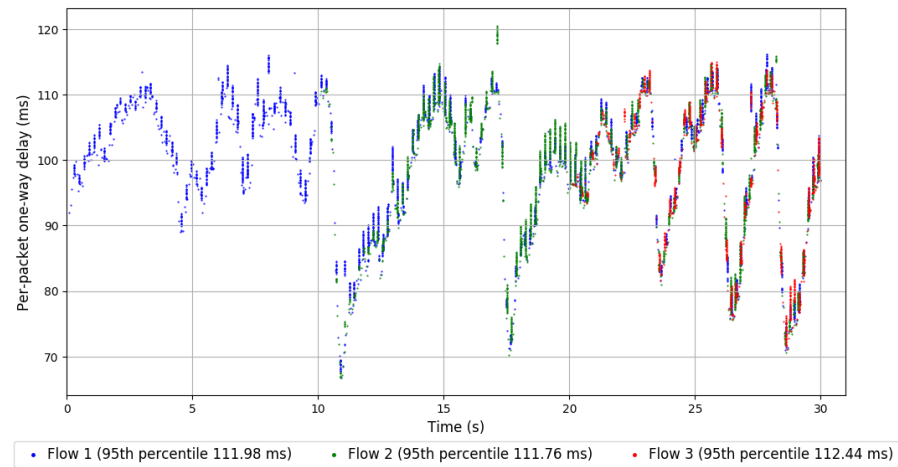
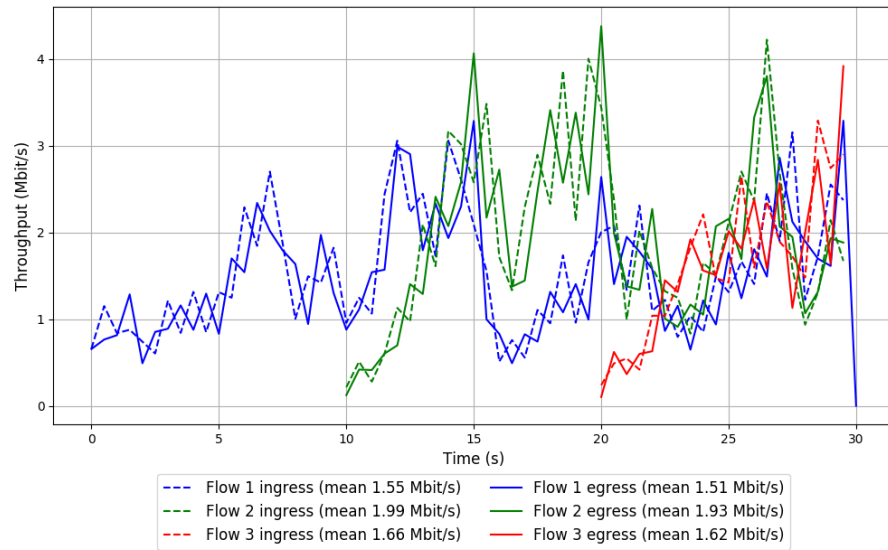


Run 8: Statistics of Sprout

Start at: 2017-11-16 12:51:08
End at: 2017-11-16 12:51:38
Local clock offset: 0.859 ms
Remote clock offset: -45.861 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 111.983 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 111.983 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 111.763 ms
Loss rate: 2.68%
-- Flow 3:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 112.445 ms
Loss rate: 2.41%

Run 8: Report of Sprout — Data Link

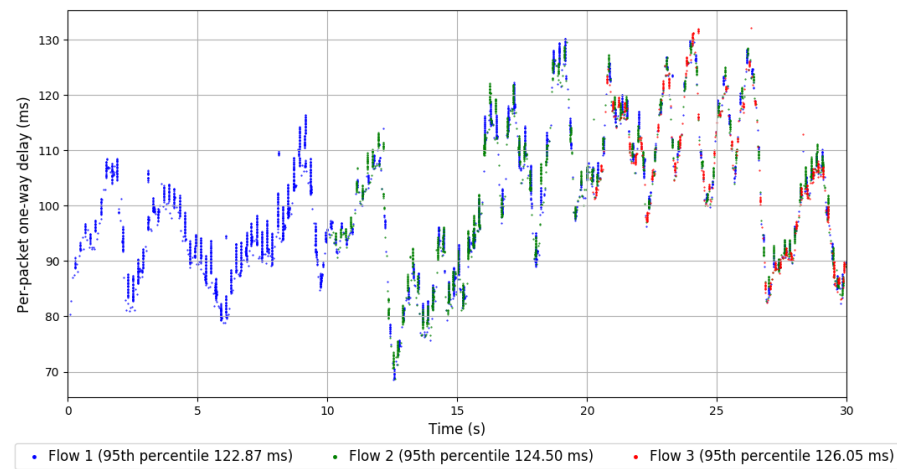
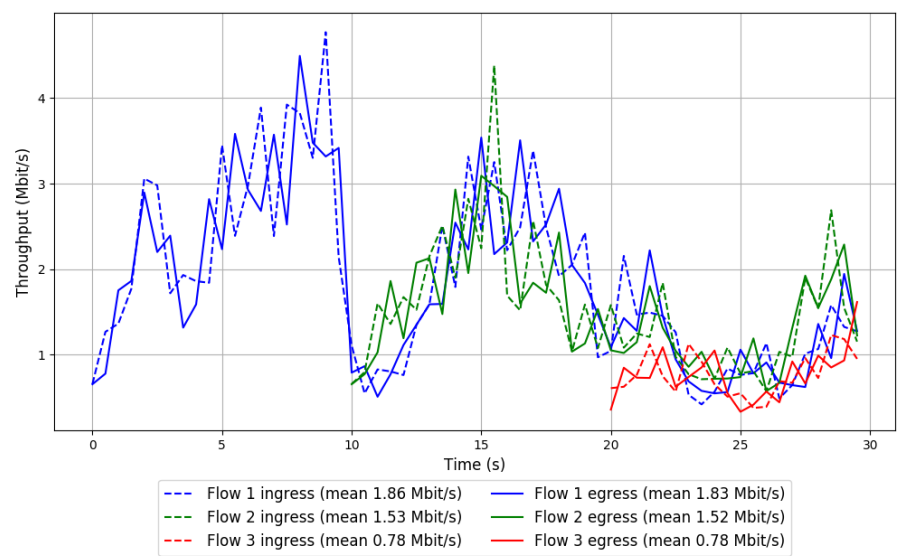


Run 9: Statistics of Sprout

Start at: 2017-11-16 13:11:25
End at: 2017-11-16 13:11:55
Local clock offset: 0.745 ms
Remote clock offset: -48.759 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 124.176 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 122.872 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 124.495 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 126.045 ms
Loss rate: 0.48%

Run 9: Report of Sprout — Data Link

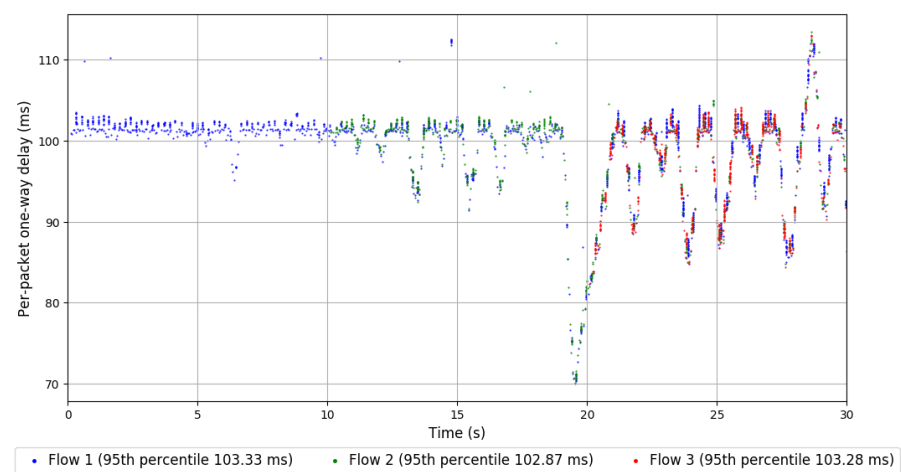
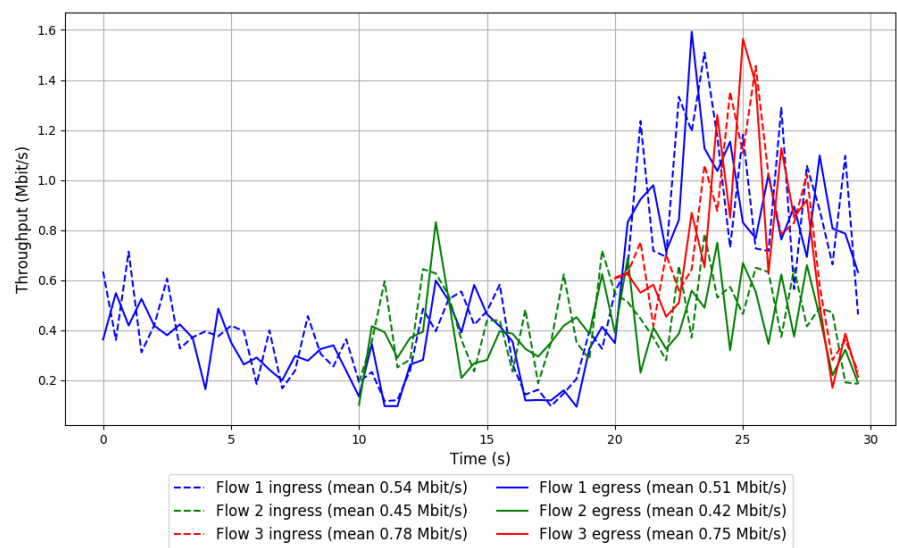


Run 10: Statistics of Sprout

Start at: 2017-11-16 13:32:08
End at: 2017-11-16 13:32:38
Local clock offset: 1.136 ms
Remote clock offset: -53.736 ms

Below is generated by plot.py at 2017-11-16 14:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 103.261 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 103.325 ms
Loss rate: 4.84%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 102.871 ms
Loss rate: 6.27%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 103.278 ms
Loss rate: 3.70%

Run 10: Report of Sprout — Data Link

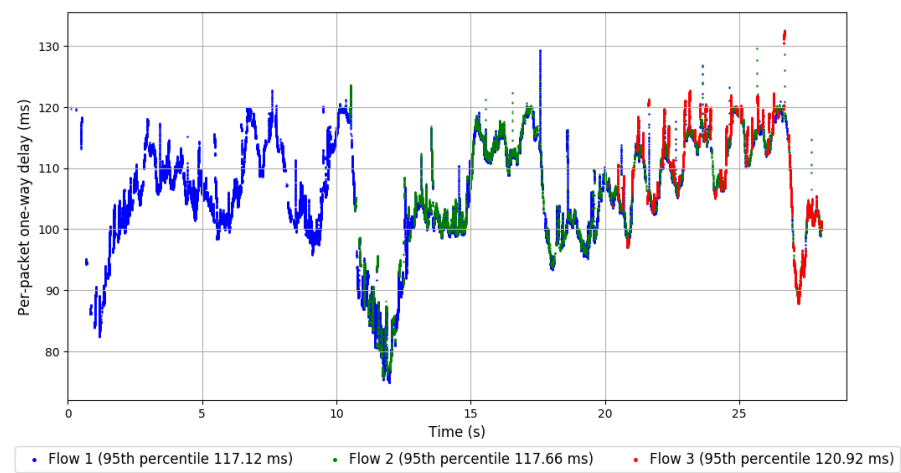
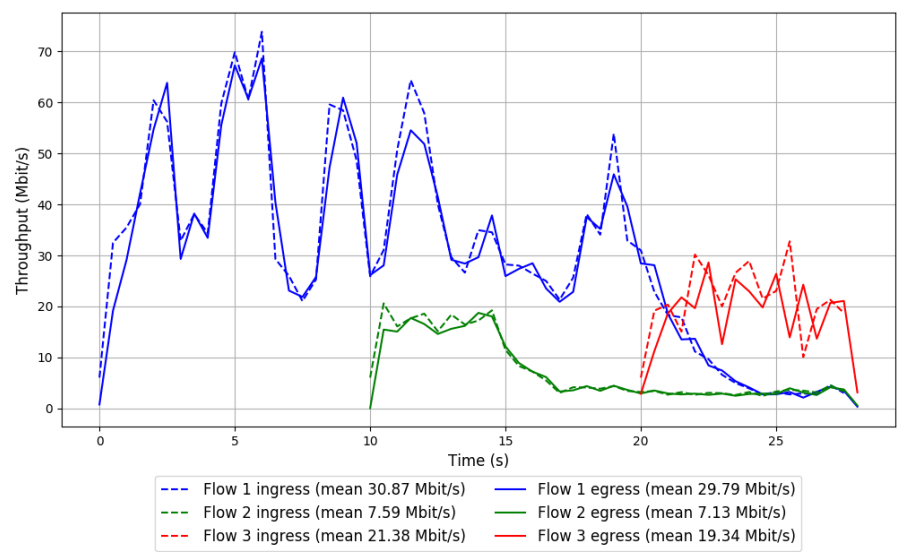


Run 1: Statistics of TaoVA-100x

Start at: 2017-11-16 10:51:26
End at: 2017-11-16 10:51:56
Local clock offset: 1.958 ms
Remote clock offset: -35.373 ms

Below is generated by plot.py at 2017-11-16 14:04:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.85 Mbit/s
95th percentile per-packet one-way delay: 118.688 ms
Loss rate: 4.75%
-- Flow 1:
Average throughput: 29.79 Mbit/s
95th percentile per-packet one-way delay: 117.120 ms
Loss rate: 3.57%
-- Flow 2:
Average throughput: 7.13 Mbit/s
95th percentile per-packet one-way delay: 117.659 ms
Loss rate: 6.15%
-- Flow 3:
Average throughput: 19.34 Mbit/s
95th percentile per-packet one-way delay: 120.925 ms
Loss rate: 9.61%

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

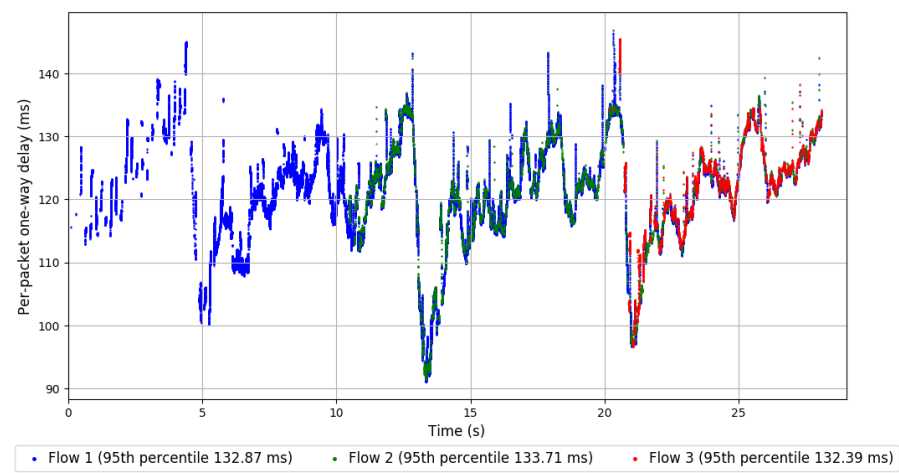
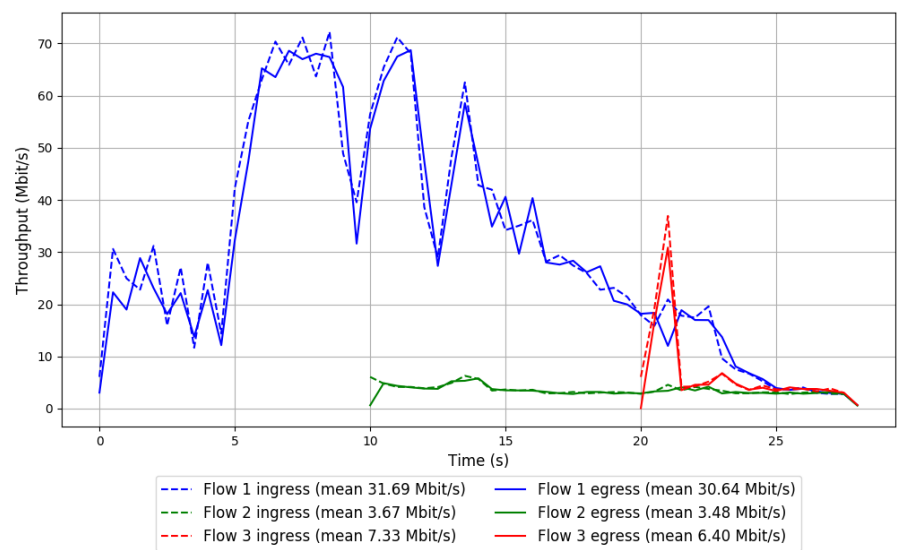


Run 2: Statistics of TaoVA-100x

Start at: 2017-11-16 11:10:09
End at: 2017-11-16 11:10:39
Local clock offset: 1.751 ms
Remote clock offset: -22.864 ms

Below is generated by plot.py at 2017-11-16 14:04:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 132.931 ms
Loss rate: 3.92%
-- Flow 1:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 132.869 ms
Loss rate: 3.25%
-- Flow 2:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 133.709 ms
Loss rate: 5.06%
-- Flow 3:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 132.392 ms
Loss rate: 12.71%

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

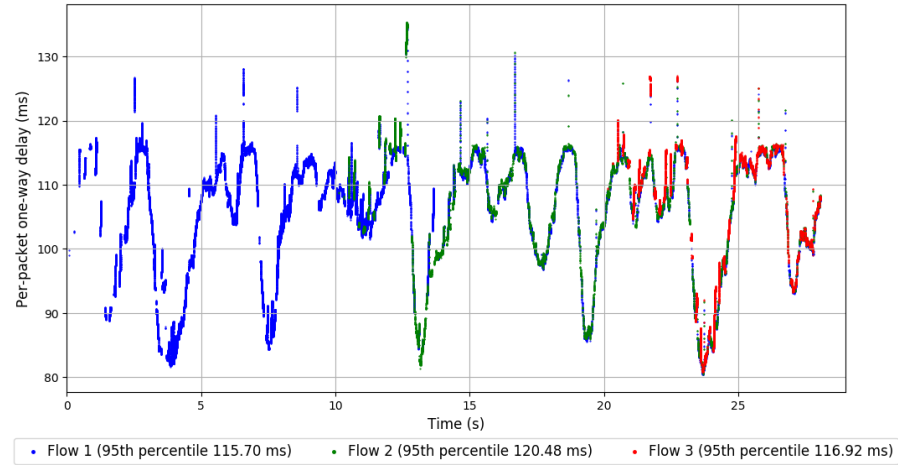
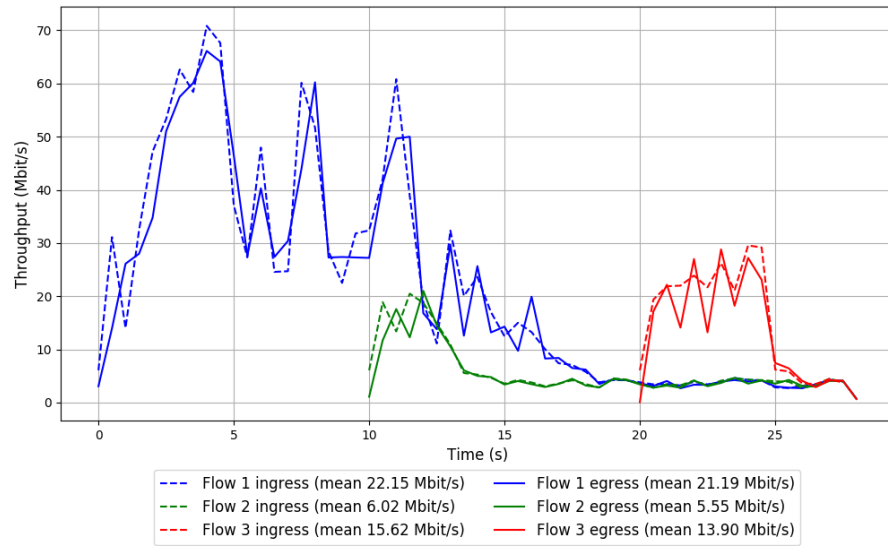


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-16 11:29:09
End at: 2017-11-16 11:29:39
Local clock offset: 1.685 ms
Remote clock offset: -42.724 ms

Below is generated by plot.py at 2017-11-16 14:04:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 28.70 Mbit/s
95th percentile per-packet one-way delay: 116.092 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 21.19 Mbit/s
95th percentile per-packet one-way delay: 115.702 ms
Loss rate: 4.28%
-- Flow 2:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 120.480 ms
Loss rate: 7.81%
-- Flow 3:
Average throughput: 13.90 Mbit/s
95th percentile per-packet one-way delay: 116.919 ms
Loss rate: 11.02%

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

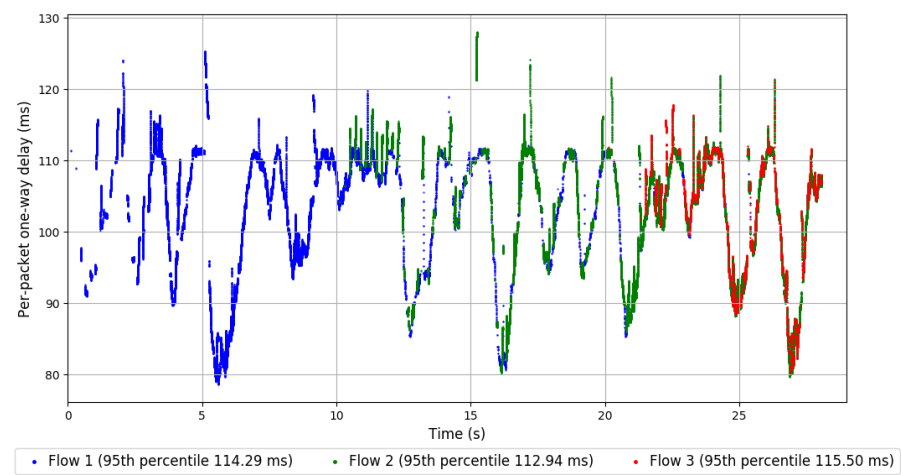
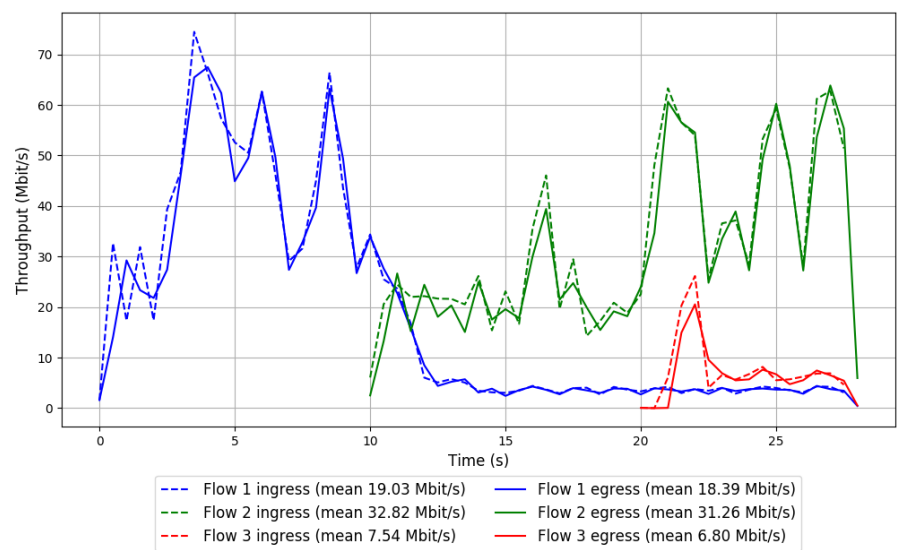


Run 4: Statistics of TaoVA-100x

Start at: 2017-11-16 11:48:16
End at: 2017-11-16 11:48:46
Local clock offset: 1.421 ms
Remote clock offset: -48.032 ms

Below is generated by plot.py at 2017-11-16 14:04:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 113.431 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 114.288 ms
Loss rate: 3.40%
-- Flow 2:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 112.940 ms
Loss rate: 4.74%
-- Flow 3:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 115.502 ms
Loss rate: 9.87%

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

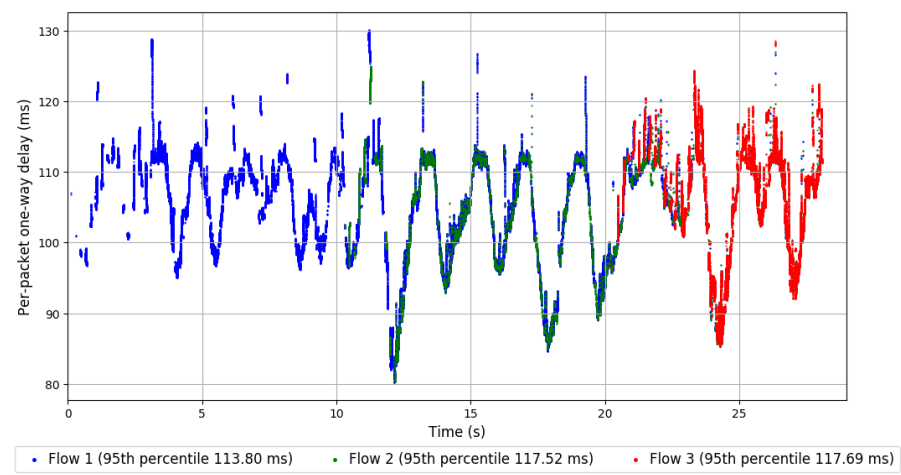
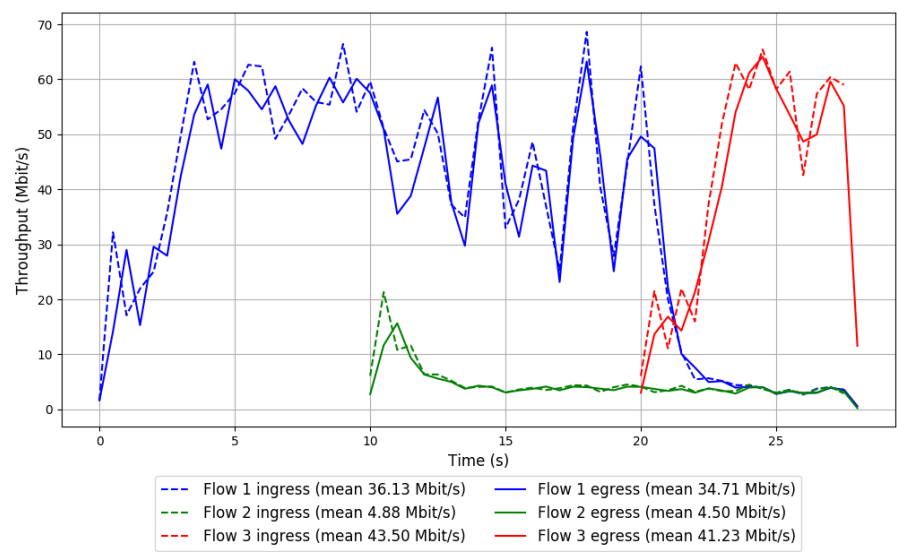


Run 5: Statistics of TaoVA-100x

Start at: 2017-11-16 12:07:22
End at: 2017-11-16 12:07:52
Local clock offset: 1.031 ms
Remote clock offset: -49.392 ms

Below is generated by plot.py at 2017-11-16 14:04:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 116.020 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 34.71 Mbit/s
95th percentile per-packet one-way delay: 113.803 ms
Loss rate: 3.89%
-- Flow 2:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 117.520 ms
Loss rate: 7.77%
-- Flow 3:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 117.690 ms
Loss rate: 5.04%

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

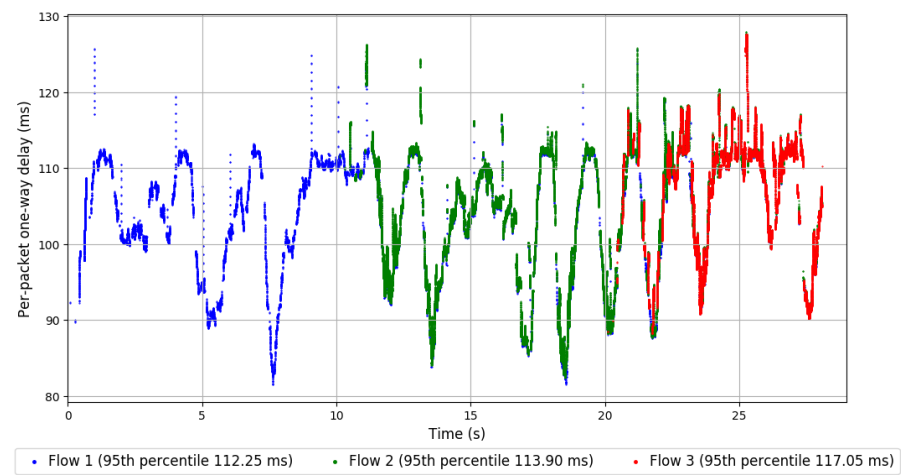
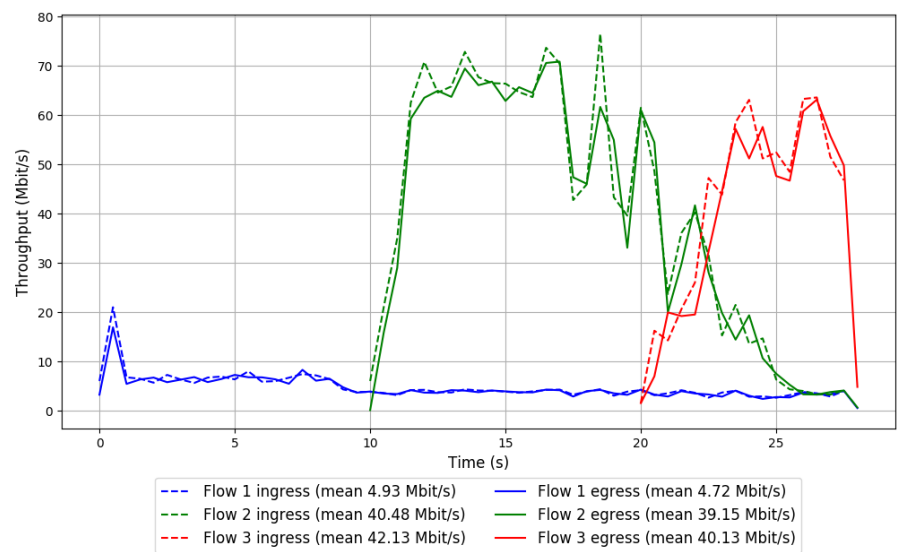


Run 6: Statistics of TaoVA-100x

Start at: 2017-11-16 12:27:19
End at: 2017-11-16 12:27:49
Local clock offset: 0.826 ms
Remote clock offset: -47.078 ms

Below is generated by plot.py at 2017-11-16 14:04:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 115.720 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 112.253 ms
Loss rate: 4.13%
-- Flow 2:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 113.898 ms
Loss rate: 3.33%
-- Flow 3:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 117.054 ms
Loss rate: 4.48%

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

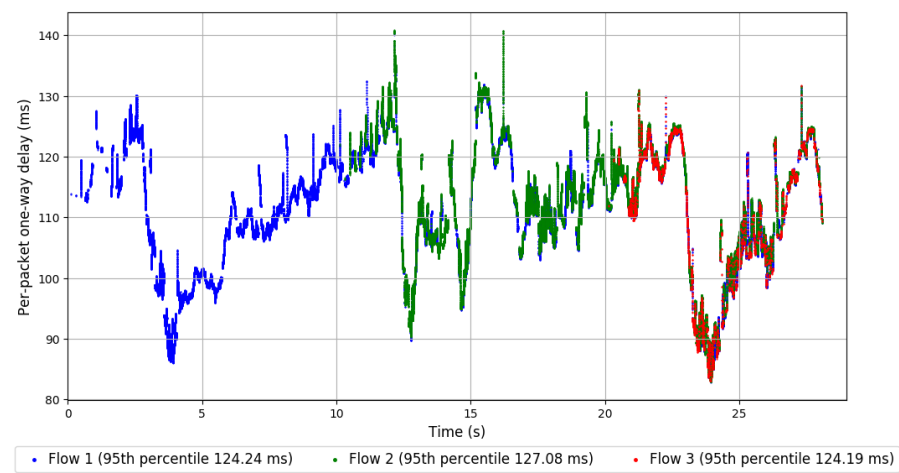
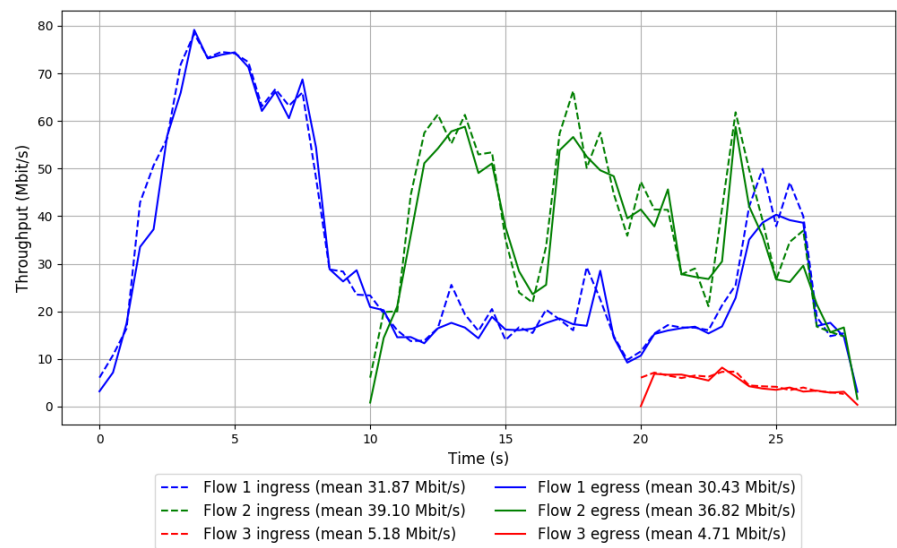


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-16 12:46:36
End at: 2017-11-16 12:47:06
Local clock offset: 0.674 ms
Remote clock offset: -33.051 ms

Below is generated by plot.py at 2017-11-16 14:05:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 125.417 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 124.241 ms
Loss rate: 4.54%
-- Flow 2:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 127.077 ms
Loss rate: 5.88%
-- Flow 3:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 124.192 ms
Loss rate: 9.08%

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

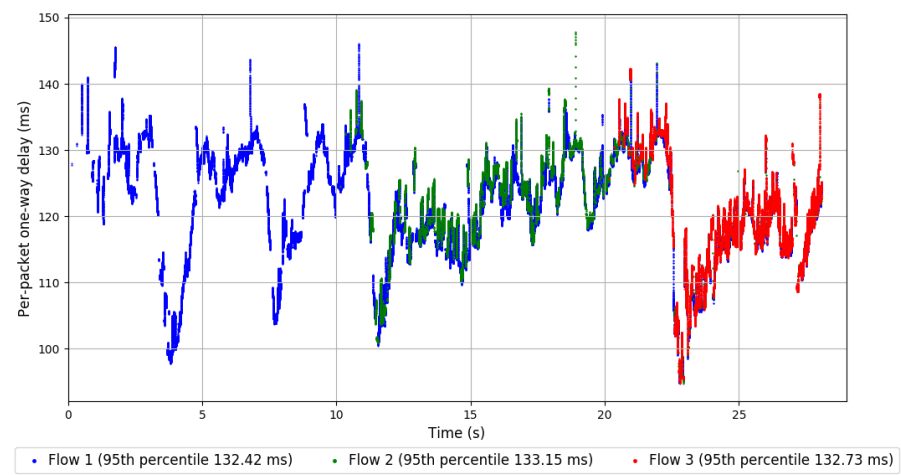
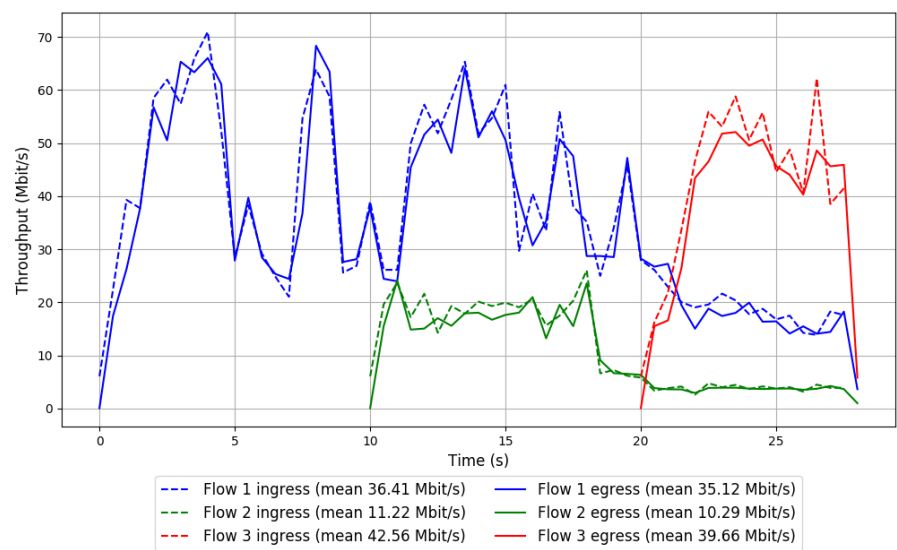


Run 8: Statistics of TaoVA-100x

Start at: 2017-11-16 13:06:25
End at: 2017-11-16 13:06:55
Local clock offset: 0.693 ms
Remote clock offset: -23.632 ms

Below is generated by plot.py at 2017-11-16 14:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.97 Mbit/s
95th percentile per-packet one-way delay: 132.570 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 132.424 ms
Loss rate: 3.56%
-- Flow 2:
Average throughput: 10.29 Mbit/s
95th percentile per-packet one-way delay: 133.147 ms
Loss rate: 8.28%
-- Flow 3:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 132.726 ms
Loss rate: 6.83%

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

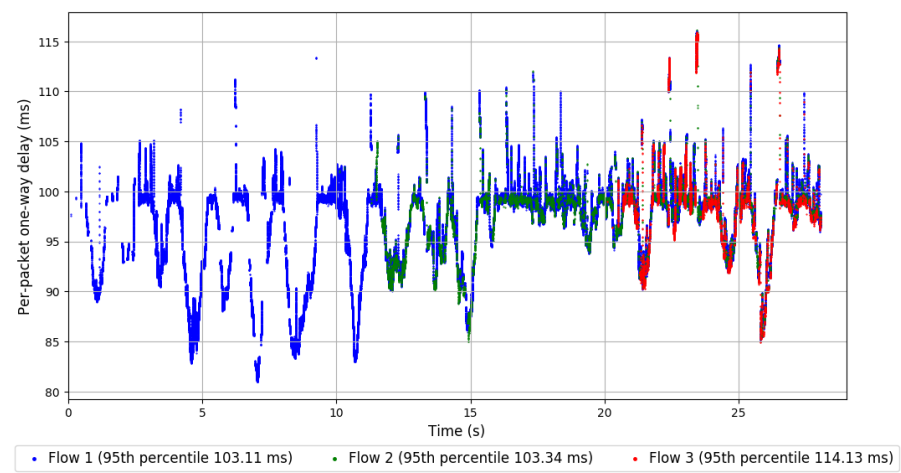
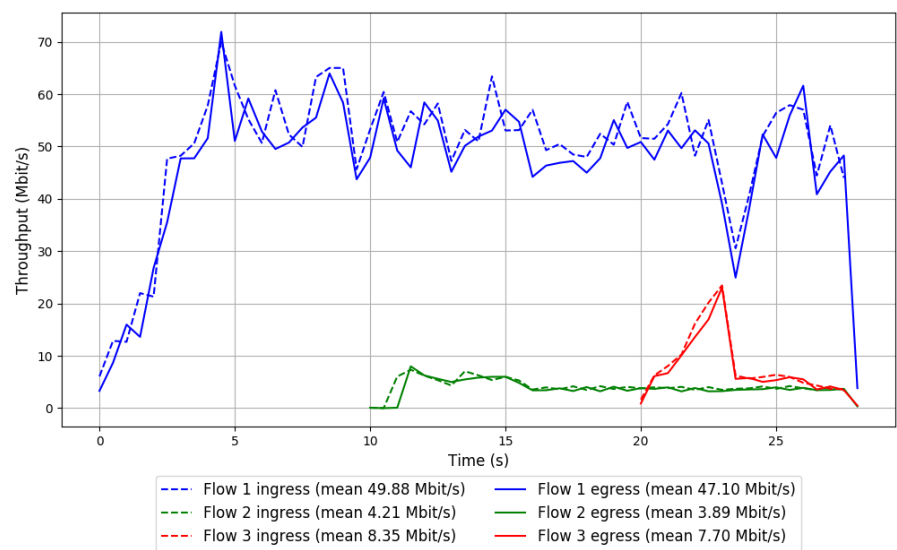


Run 9: Statistics of TaoVA-100x

Start at: 2017-11-16 13:26:47
End at: 2017-11-16 13:27:17
Local clock offset: 0.968 ms
Remote clock offset: -57.149 ms

Below is generated by plot.py at 2017-11-16 14:05:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.79 Mbit/s
95th percentile per-packet one-way delay: 103.490 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 103.110 ms
Loss rate: 5.55%
-- Flow 2:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 103.344 ms
Loss rate: 7.45%
-- Flow 3:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 114.131 ms
Loss rate: 7.87%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-11-16 13:47:16

End at: 2017-11-16 13:47:46

Local clock offset: 1.127 ms

Remote clock offset: -47.677 ms

Below is generated by plot.py at 2017-11-16 14:05:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.78 Mbit/s

95th percentile per-packet one-way delay: 111.864 ms

Loss rate: 5.39%

-- Flow 1:

Average throughput: 49.66 Mbit/s

95th percentile per-packet one-way delay: 110.581 ms

Loss rate: 4.57%

-- Flow 2:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 115.690 ms

Loss rate: 8.56%

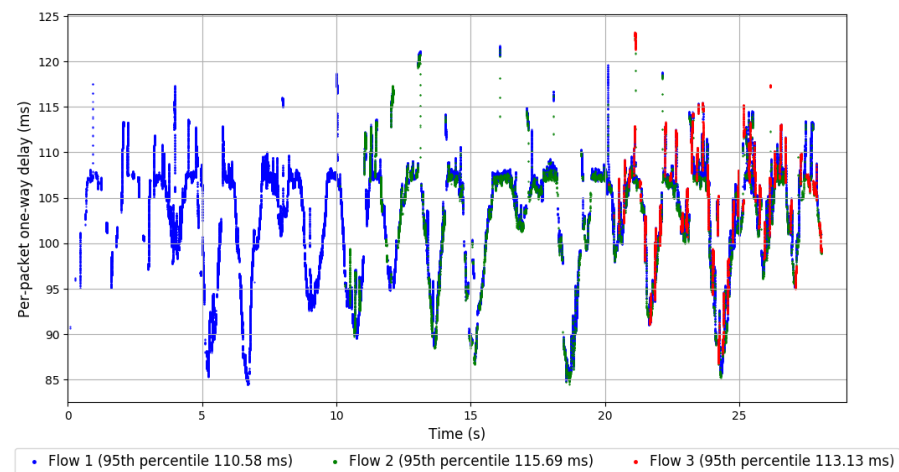
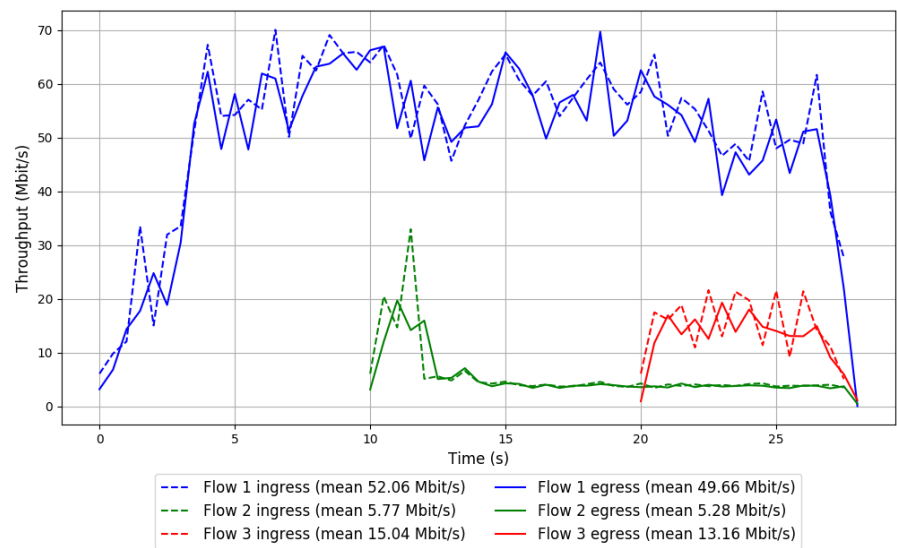
-- Flow 3:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 113.134 ms

Loss rate: 12.59%

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

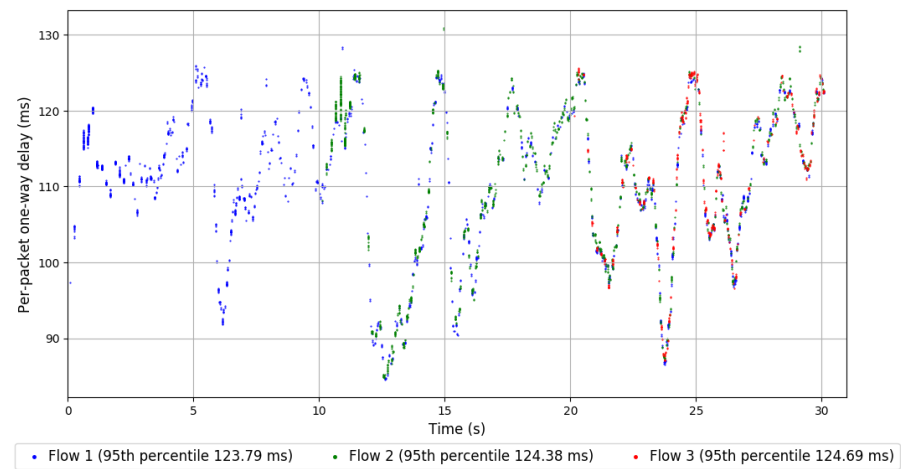
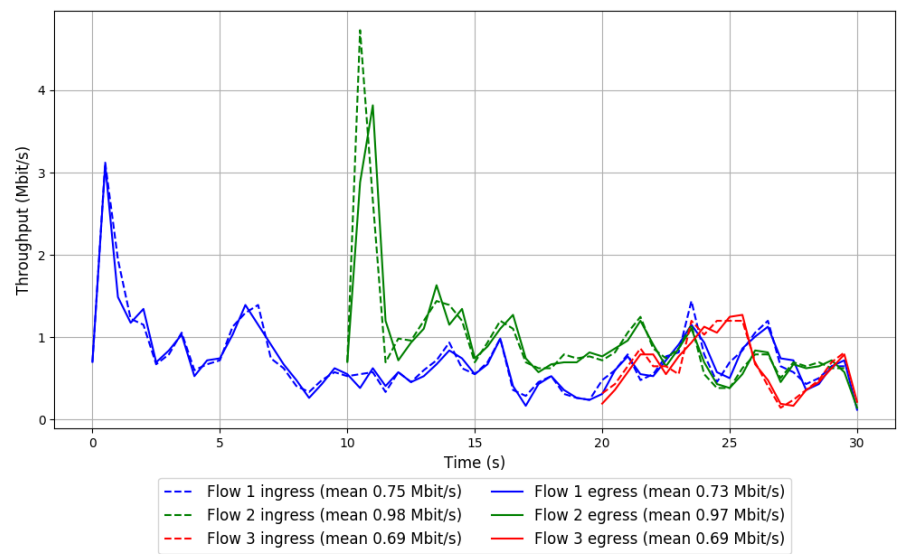


Run 1: Statistics of TCP Vegas

Start at: 2017-11-16 10:42:05
End at: 2017-11-16 10:42:35
Local clock offset: 1.926 ms
Remote clock offset: -29.547 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 124.227 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 123.792 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 124.383 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 124.689 ms
Loss rate: 1.06%

Run 1: Report of TCP Vegas — Data Link

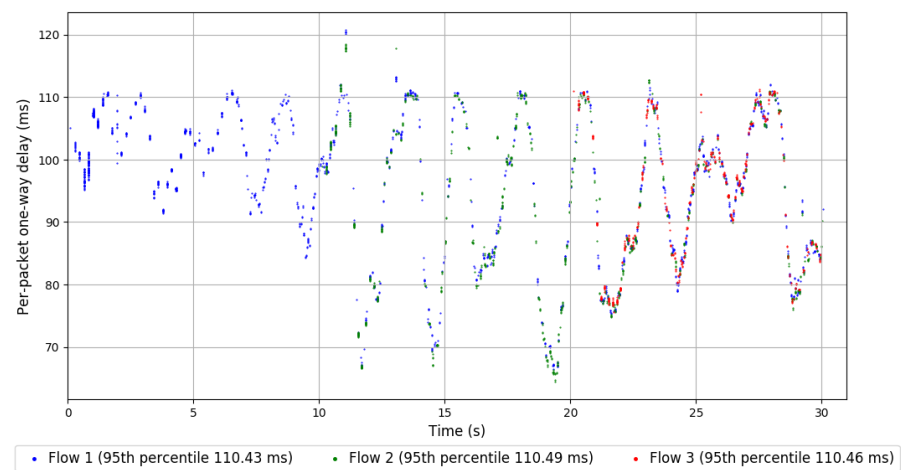
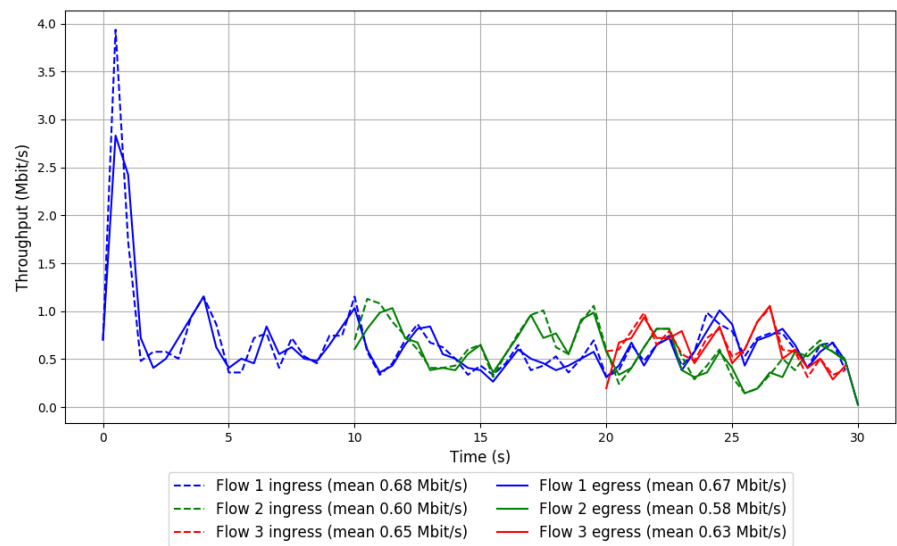


Run 2: Statistics of TCP Vegas

Start at: 2017-11-16 11:01:14
End at: 2017-11-16 11:01:44
Local clock offset: 1.77 ms
Remote clock offset: -46.036 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 110.456 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 110.433 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 110.490 ms
Loss rate: 3.01%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 110.456 ms
Loss rate: 2.26%

Run 2: Report of TCP Vegas — Data Link

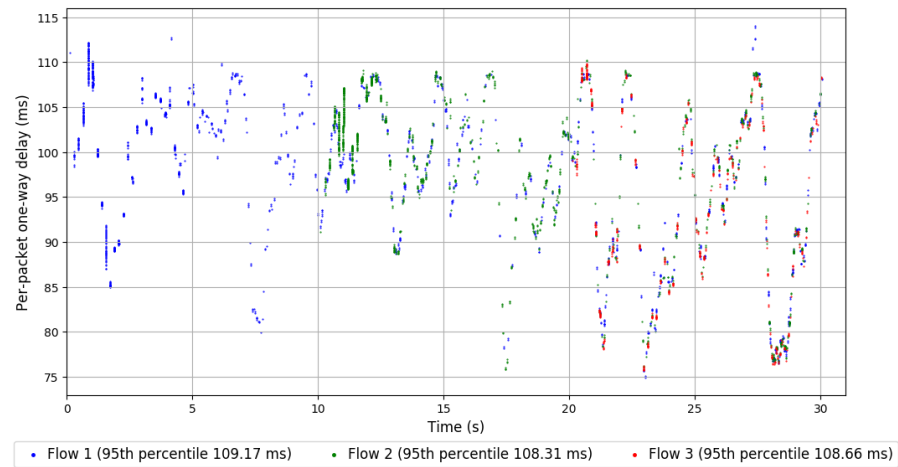
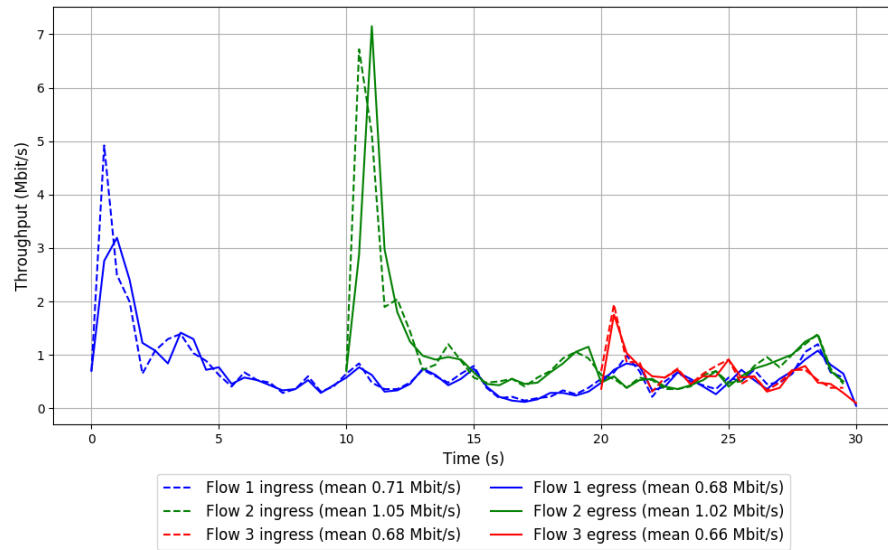


Run 3: Statistics of TCP Vegas

Start at: 2017-11-16 11:19:47
End at: 2017-11-16 11:20:17
Local clock offset: 1.806 ms
Remote clock offset: -49.526 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 108.612 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 109.172 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 108.310 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 108.661 ms
Loss rate: 2.50%

Run 3: Report of TCP Vegas — Data Link

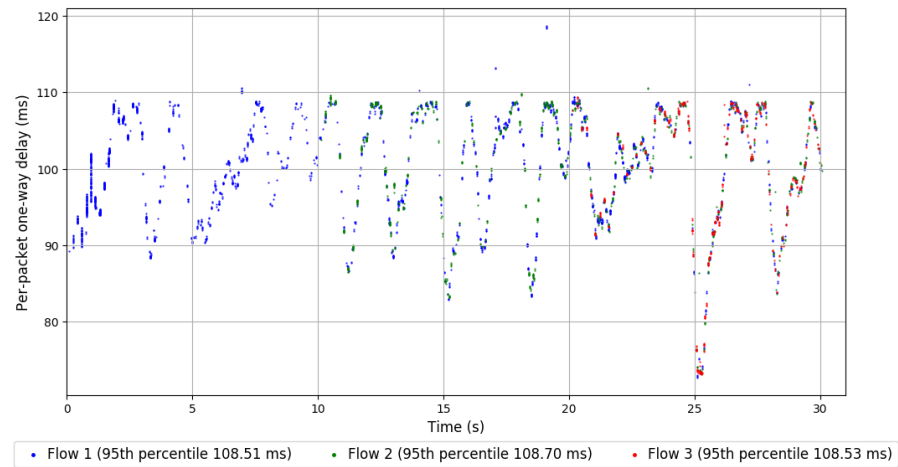
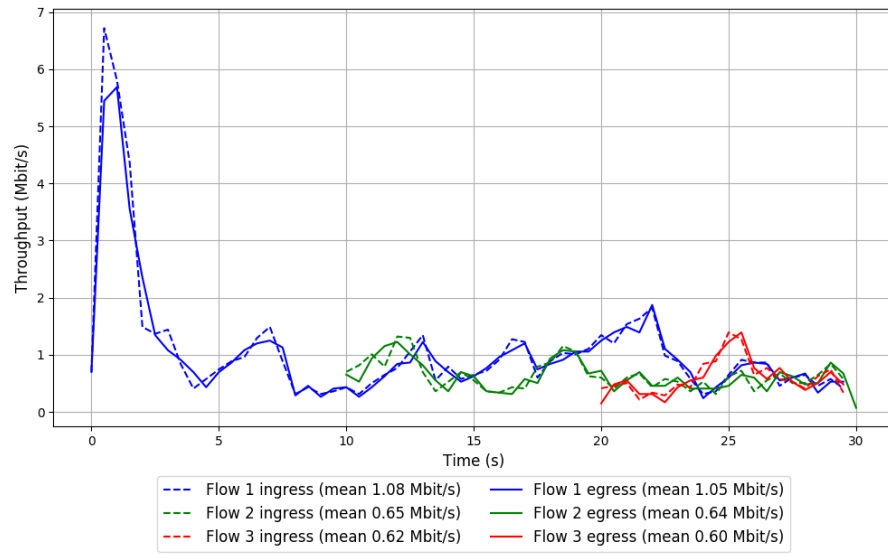


Run 4: Statistics of TCP Vegas

Start at: 2017-11-16 11:38:57
End at: 2017-11-16 11:39:27
Local clock offset: 1.28 ms
Remote clock offset: -50.78 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 108.575 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 108.509 ms
Loss rate: 2.92%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 108.704 ms
Loss rate: 1.49%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 108.535 ms
Loss rate: 2.37%

Run 4: Report of TCP Vegas — Data Link

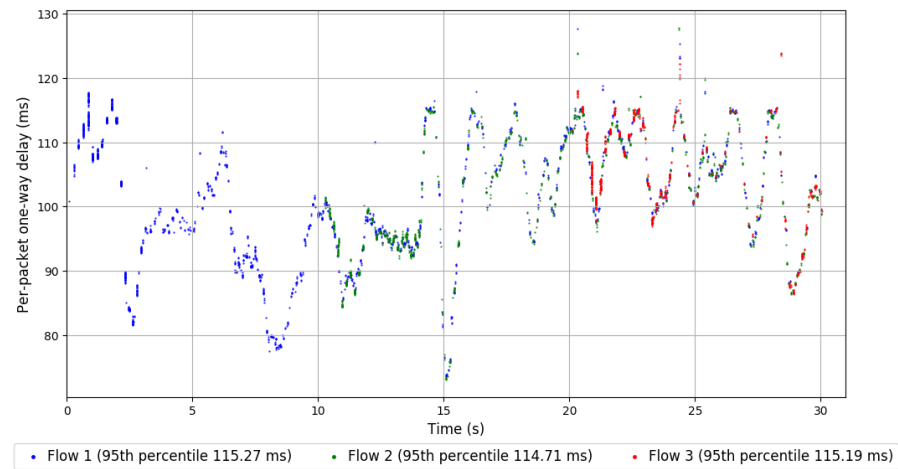
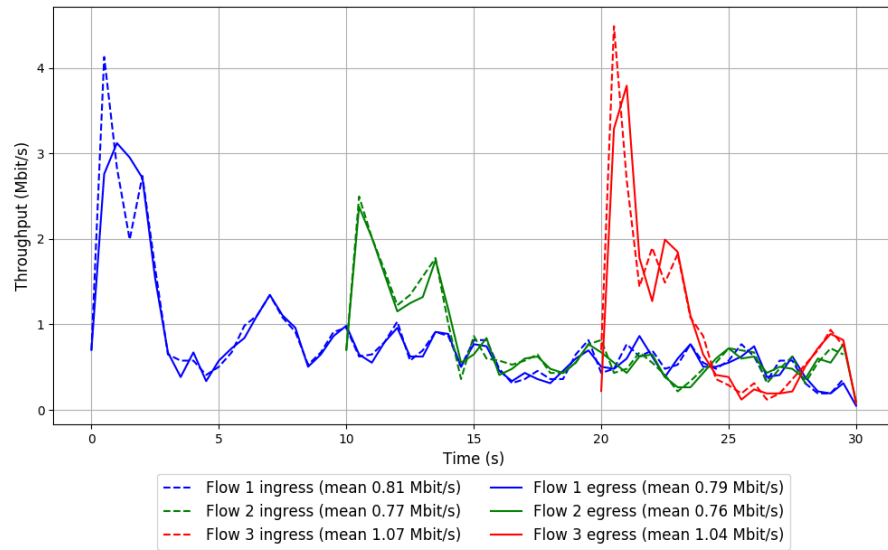


Run 5: Statistics of TCP Vegas

Start at: 2017-11-16 11:58:01
End at: 2017-11-16 11:58:31
Local clock offset: 1.06 ms
Remote clock offset: -45.823 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 115.016 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 115.267 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 114.714 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 115.194 ms
Loss rate: 2.38%

Run 5: Report of TCP Vegas — Data Link

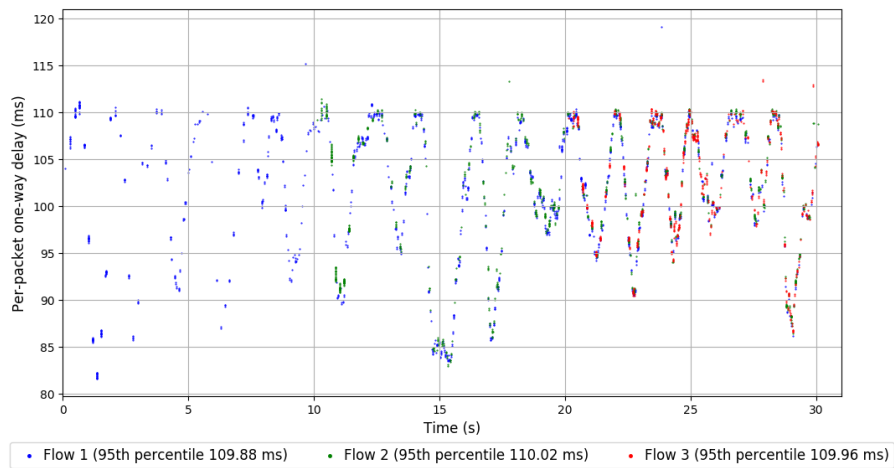
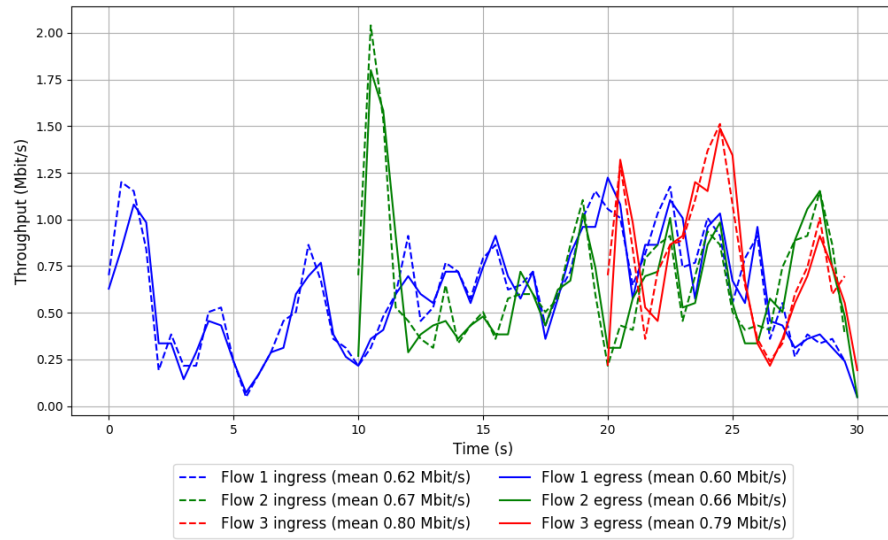


Run 6: Statistics of TCP Vegas

Start at: 2017-11-16 12:17:39
End at: 2017-11-16 12:18:09
Local clock offset: 0.925 ms
Remote clock offset: -50.659 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 109.977 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 109.875 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 110.021 ms
Loss rate: 2.59%
-- Flow 3:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 109.960 ms
Loss rate: 1.65%

Run 6: Report of TCP Vegas — Data Link

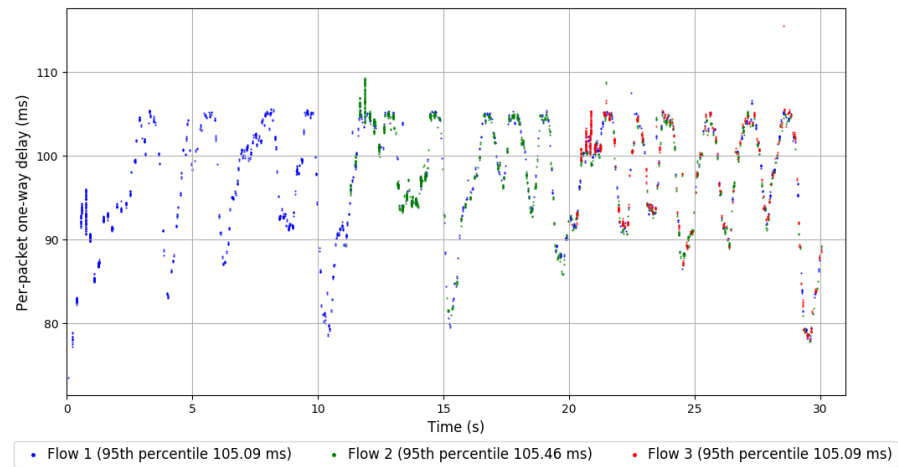
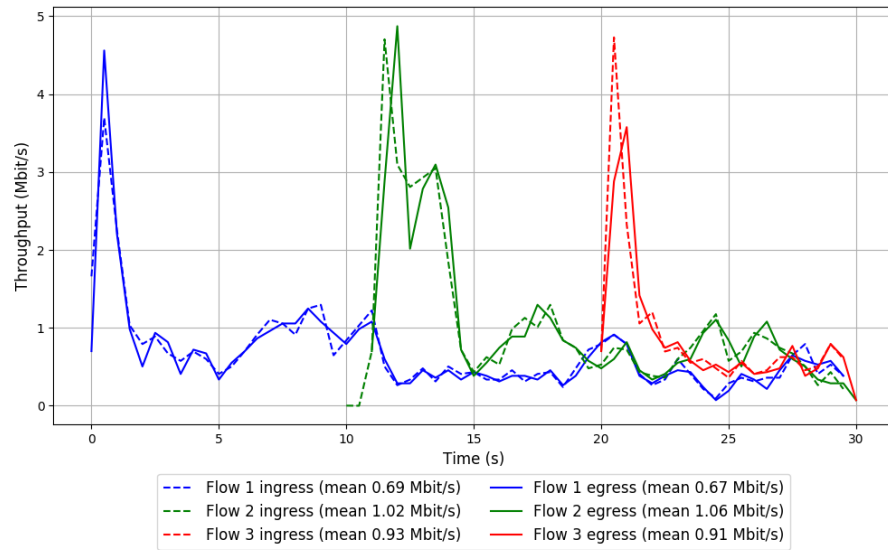


Run 7: Statistics of TCP Vegas

Start at: 2017-11-16 12:37:18
End at: 2017-11-16 12:37:48
Local clock offset: 0.671 ms
Remote clock offset: -53.591 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 105.140 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 105.086 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 105.460 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 105.095 ms
Loss rate: 2.08%

Run 7: Report of TCP Vegas — Data Link

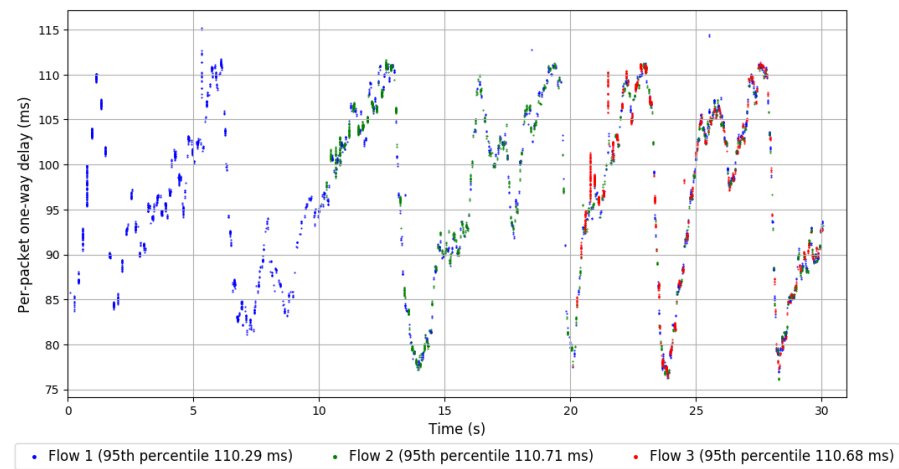
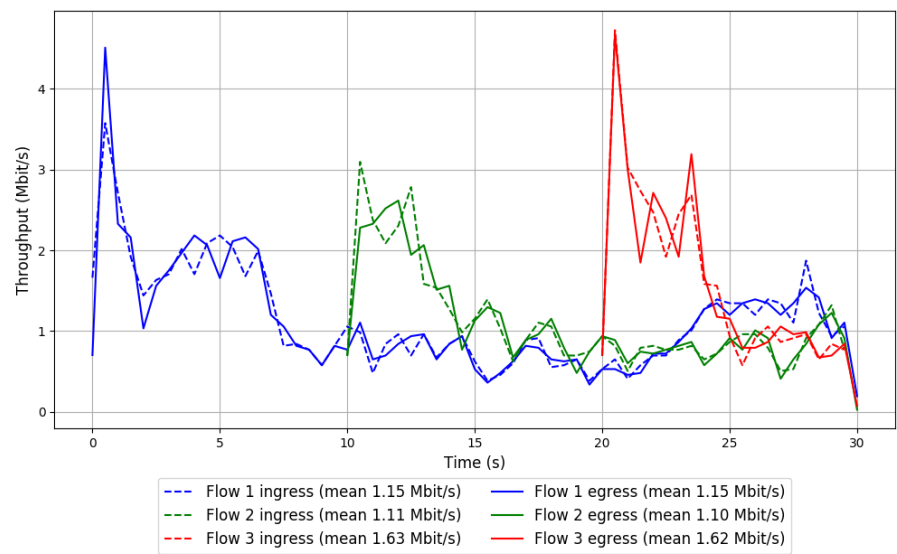


Run 8: Statistics of TCP Vegas

Start at: 2017-11-16 12:56:39
End at: 2017-11-16 12:57:09
Local clock offset: 0.732 ms
Remote clock offset: -45.697 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 110.609 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 110.286 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 110.708 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 1.62 Mbit/s
95th percentile per-packet one-way delay: 110.676 ms
Loss rate: 0.45%

Run 8: Report of TCP Vegas — Data Link

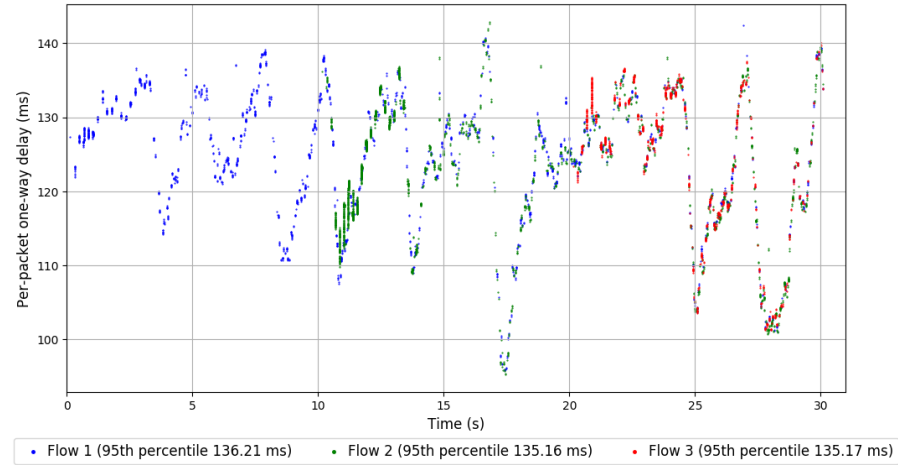
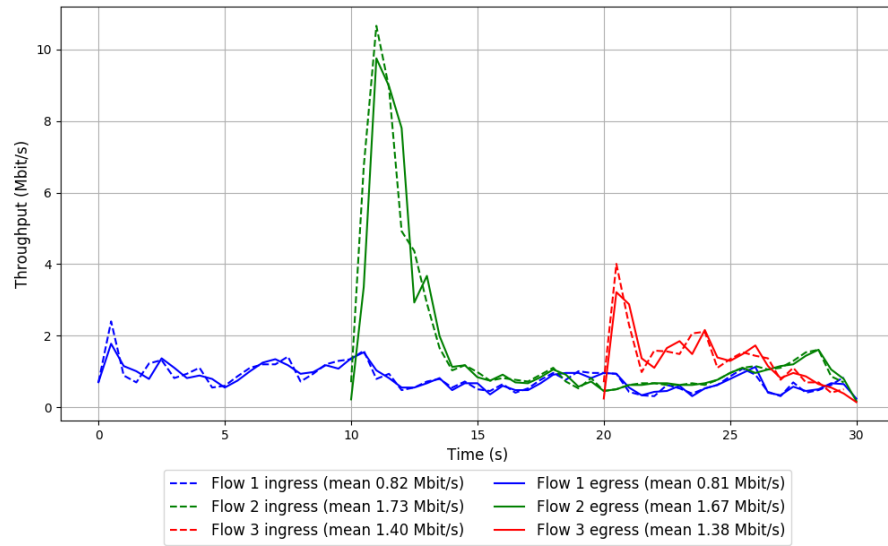


Run 9: Statistics of TCP Vegas

Start at: 2017-11-16 13:16:57
End at: 2017-11-16 13:17:27
Local clock offset: 0.785 ms
Remote clock offset: -21.131 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 135.300 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 136.209 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 1.67 Mbit/s
95th percentile per-packet one-way delay: 135.157 ms
Loss rate: 3.04%
-- Flow 3:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 135.167 ms
Loss rate: 1.38%

Run 9: Report of TCP Vegas — Data Link

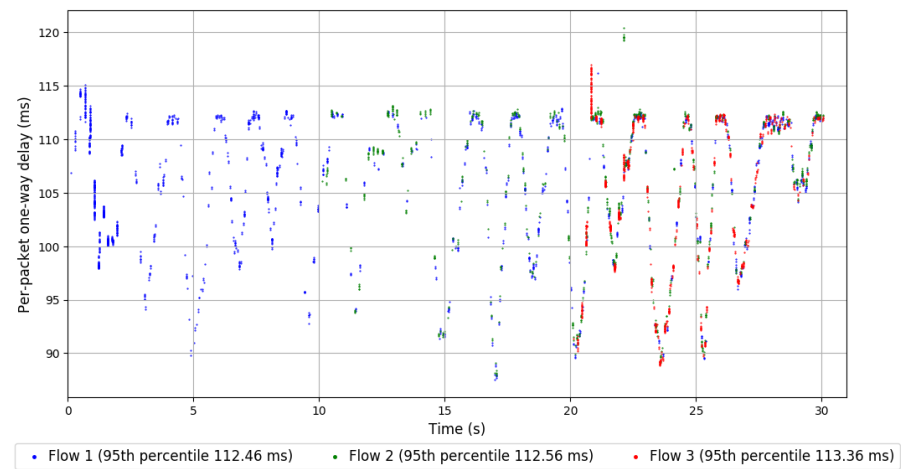
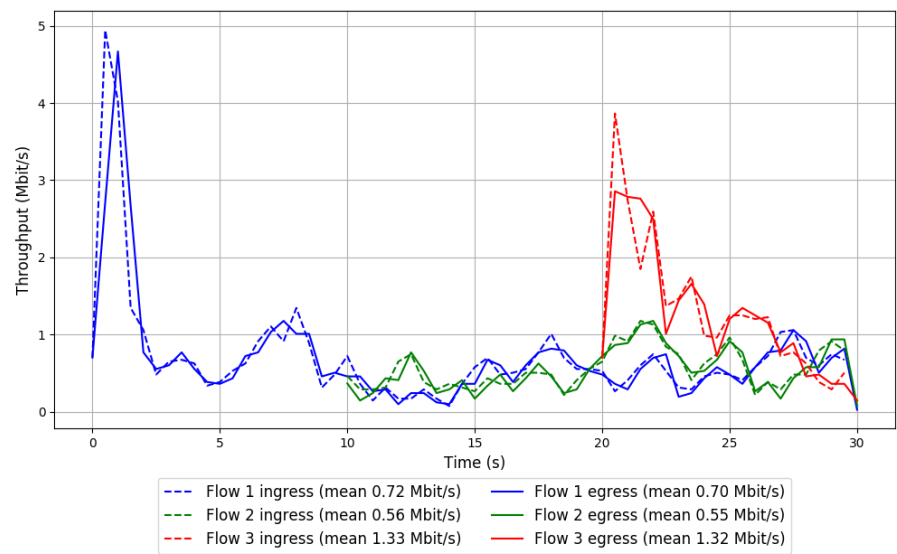


Run 10: Statistics of TCP Vegas

Start at: 2017-11-16 13:37:22
End at: 2017-11-16 13:37:52
Local clock offset: 1.073 ms
Remote clock offset: -43.652 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 112.564 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 112.460 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 112.556 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 113.360 ms
Loss rate: 1.00%

Run 10: Report of TCP Vegas — Data Link

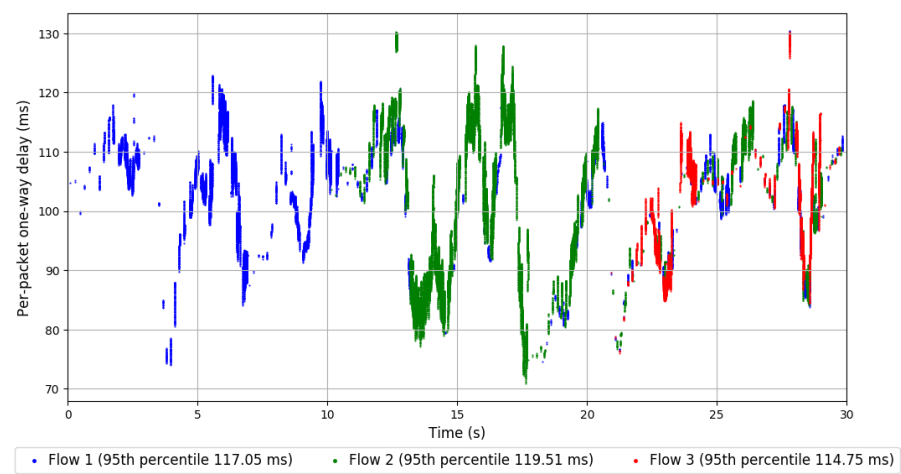
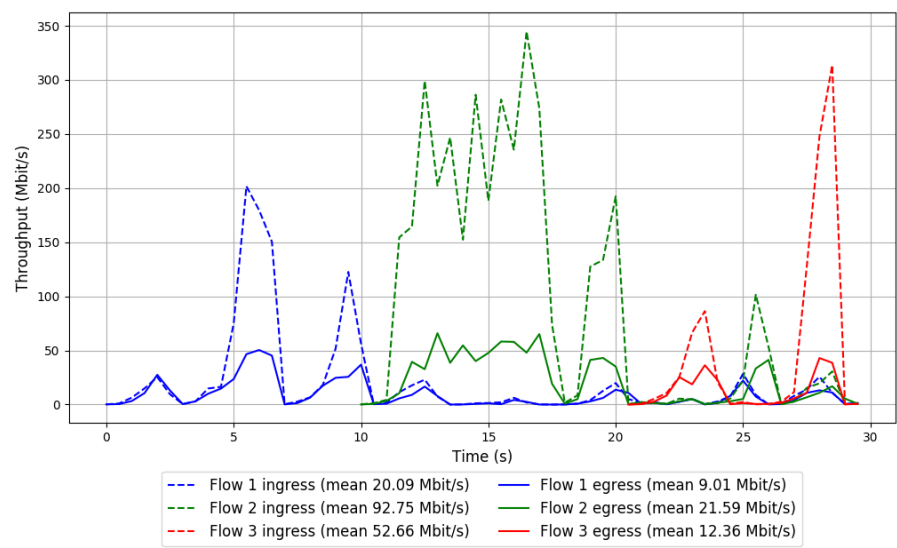


Run 1: Statistics of Verus

Start at: 2017-11-16 10:52:57
End at: 2017-11-16 10:53:27
Local clock offset: 1.941 ms
Remote clock offset: -43.303 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.93 Mbit/s
95th percentile per-packet one-way delay: 118.530 ms
Loss rate: 72.20%
-- Flow 1:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 117.045 ms
Loss rate: 55.12%
-- Flow 2:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 119.513 ms
Loss rate: 76.71%
-- Flow 3:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 114.755 ms
Loss rate: 76.48%

Run 1: Report of Verus — Data Link

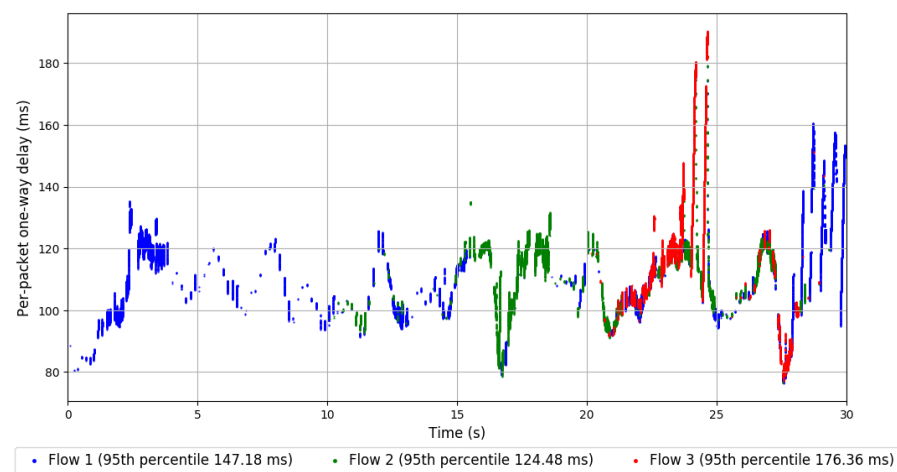
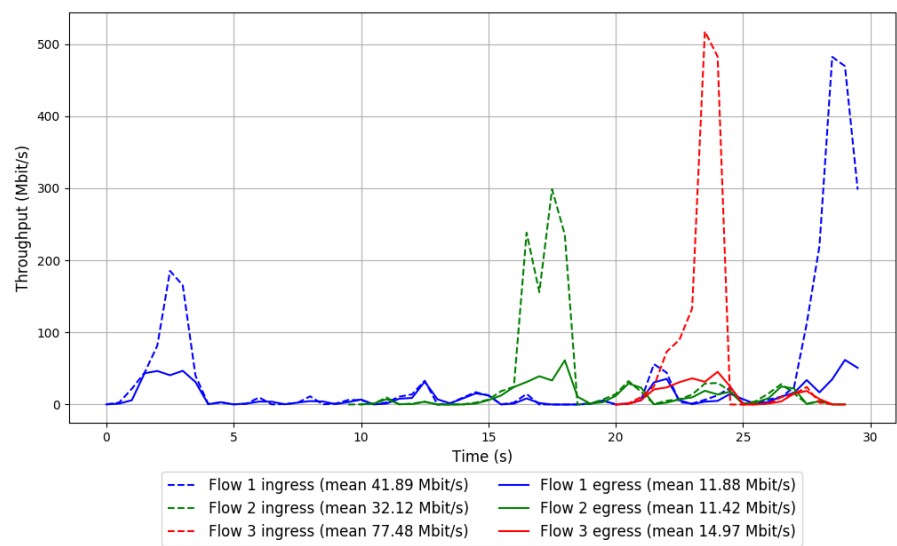


Run 2: Statistics of Verus

Start at: 2017-11-16 11:11:39
End at: 2017-11-16 11:12:09
Local clock offset: 1.642 ms
Remote clock offset: -37.316 ms

Below is generated by plot.py at 2017-11-16 14:05:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 148.040 ms
Loss rate: 72.37%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 147.180 ms
Loss rate: 71.57%
-- Flow 2:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 124.484 ms
Loss rate: 64.75%
-- Flow 3:
Average throughput: 14.97 Mbit/s
95th percentile per-packet one-way delay: 176.362 ms
Loss rate: 80.63%

Run 2: Report of Verus — Data Link

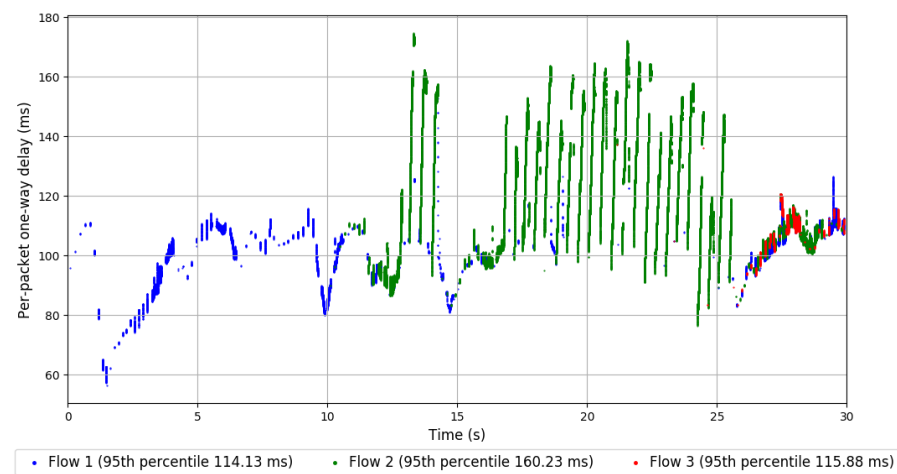
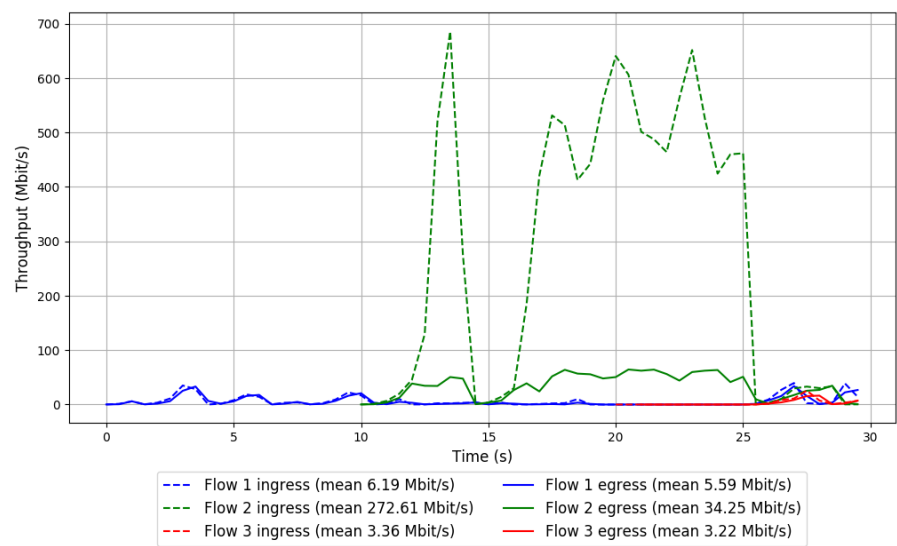


Run 3: Statistics of Verus

Start at: 2017-11-16 11:30:39
End at: 2017-11-16 11:31:09
Local clock offset: 1.481 ms
Remote clock offset: -48.754 ms

Below is generated by plot.py at 2017-11-16 14:06:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 158.759 ms
Loss rate: 84.42%
-- Flow 1:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 114.126 ms
Loss rate: 9.62%
-- Flow 2:
Average throughput: 34.25 Mbit/s
95th percentile per-packet one-way delay: 160.226 ms
Loss rate: 87.42%
-- Flow 3:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 115.875 ms
Loss rate: 14.25%

Run 3: Report of Verus — Data Link

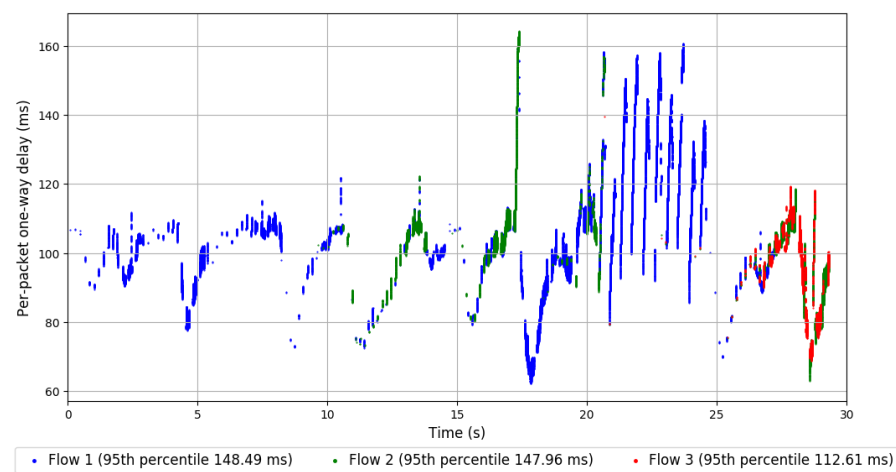
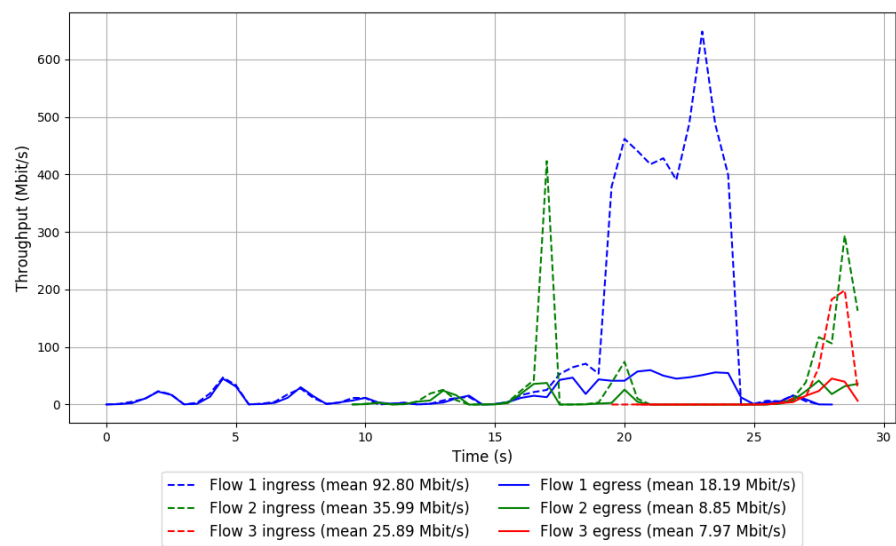


Run 4: Statistics of Verus

Start at: 2017-11-16 11:49:49
End at: 2017-11-16 11:50:19
Local clock offset: 1.276 ms
Remote clock offset: -52.984 ms

Below is generated by plot.py at 2017-11-16 14:06:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.69 Mbit/s
95th percentile per-packet one-way delay: 147.415 ms
Loss rate: 78.84%
-- Flow 1:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 148.492 ms
Loss rate: 80.39%
-- Flow 2:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 147.958 ms
Loss rate: 75.40%
-- Flow 3:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 112.612 ms
Loss rate: 72.53%

Run 4: Report of Verus — Data Link

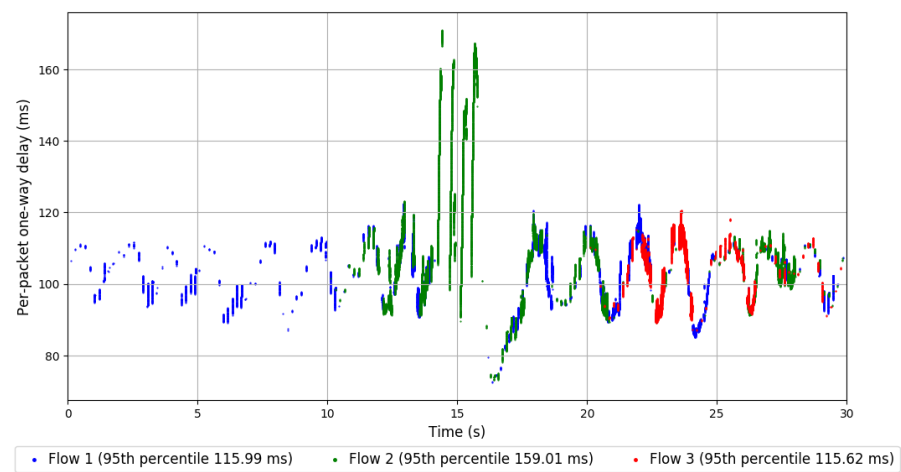
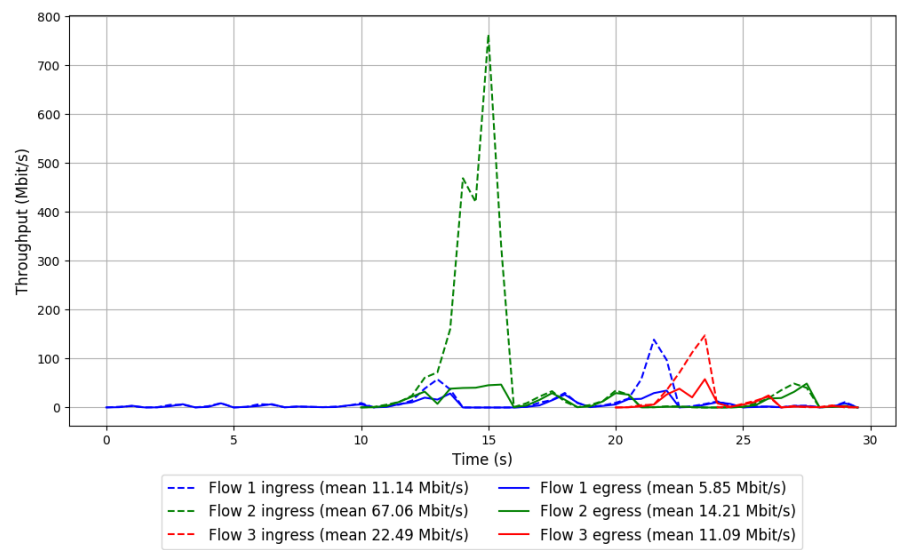


Run 5: Statistics of Verus

Start at: 2017-11-16 12:09:13
End at: 2017-11-16 12:09:43
Local clock offset: 1.054 ms
Remote clock offset: -50.77 ms

Below is generated by plot.py at 2017-11-16 14:06:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.86 Mbit/s
95th percentile per-packet one-way delay: 149.447 ms
Loss rate: 69.99%
-- Flow 1:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 115.993 ms
Loss rate: 47.45%
-- Flow 2:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 159.007 ms
Loss rate: 78.80%
-- Flow 3:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 115.625 ms
Loss rate: 50.69%

Run 5: Report of Verus — Data Link

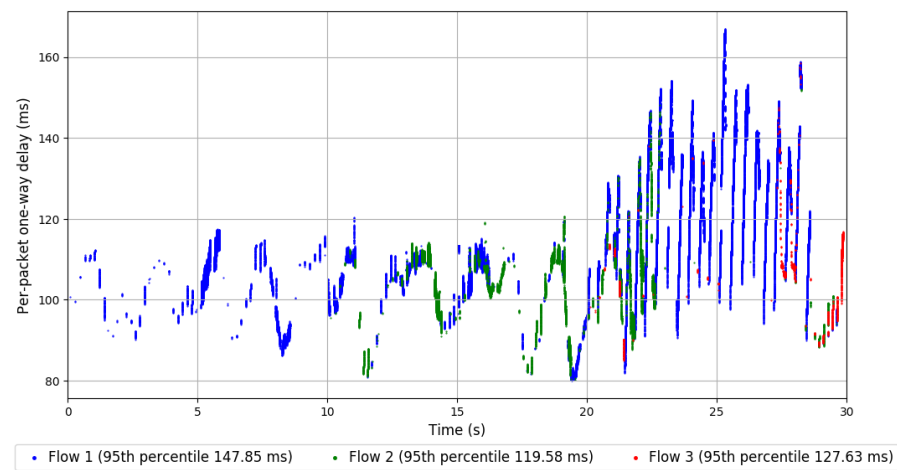
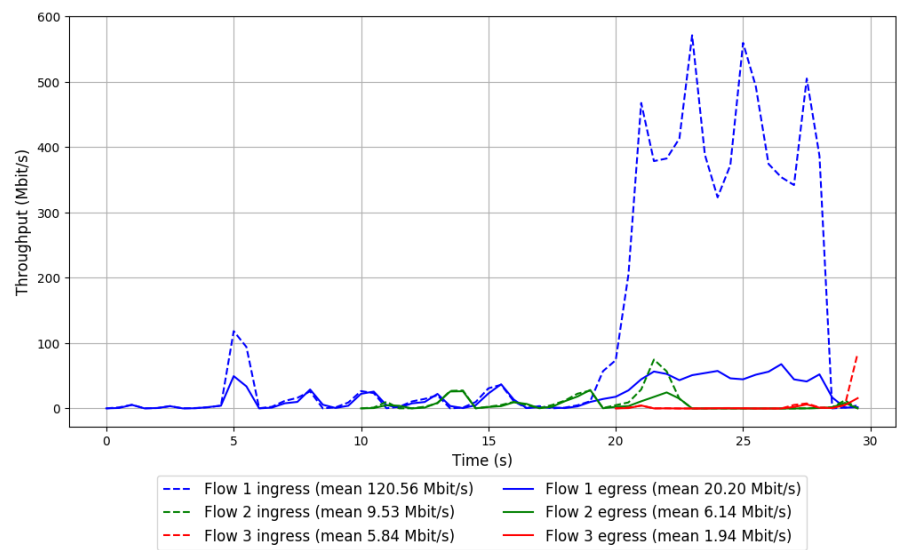


Run 6: Statistics of Verus

Start at: 2017-11-16 12:28:51
End at: 2017-11-16 12:29:21
Local clock offset: 0.846 ms
Remote clock offset: -49.355 ms

Below is generated by plot.py at 2017-11-16 14:06:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 146.306 ms
Loss rate: 80.65%
-- Flow 1:
Average throughput: 20.20 Mbit/s
95th percentile per-packet one-way delay: 147.847 ms
Loss rate: 83.24%
-- Flow 2:
Average throughput: 6.14 Mbit/s
95th percentile per-packet one-way delay: 119.580 ms
Loss rate: 35.51%
-- Flow 3:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 127.626 ms
Loss rate: 66.65%

Run 6: Report of Verus — Data Link

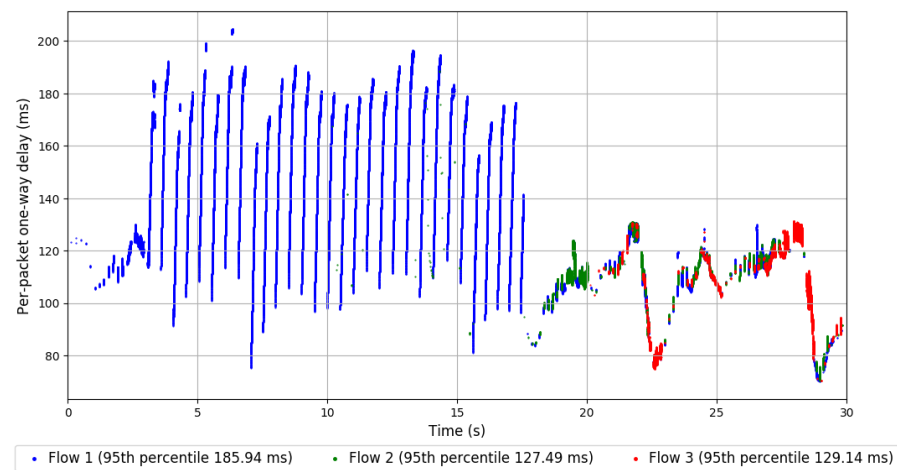
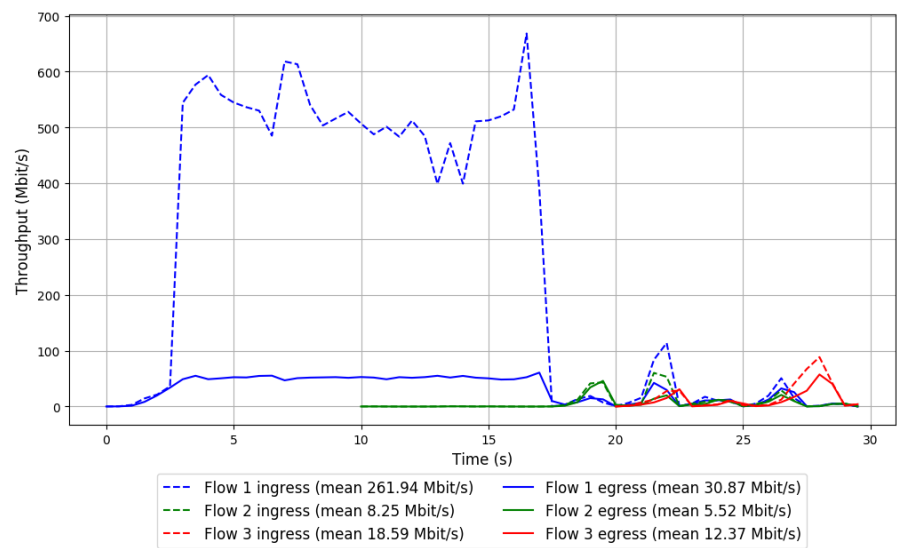


Run 7: Statistics of Verus

Start at: 2017-11-16 12:48:08
End at: 2017-11-16 12:48:38
Local clock offset: 0.865 ms
Remote clock offset: -33.176 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 184.742 ms
Loss rate: 85.92%
-- Flow 1:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 185.938 ms
Loss rate: 88.23%
-- Flow 2:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 127.487 ms
Loss rate: 33.29%
-- Flow 3:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 129.137 ms
Loss rate: 33.58%

Run 7: Report of Verus — Data Link

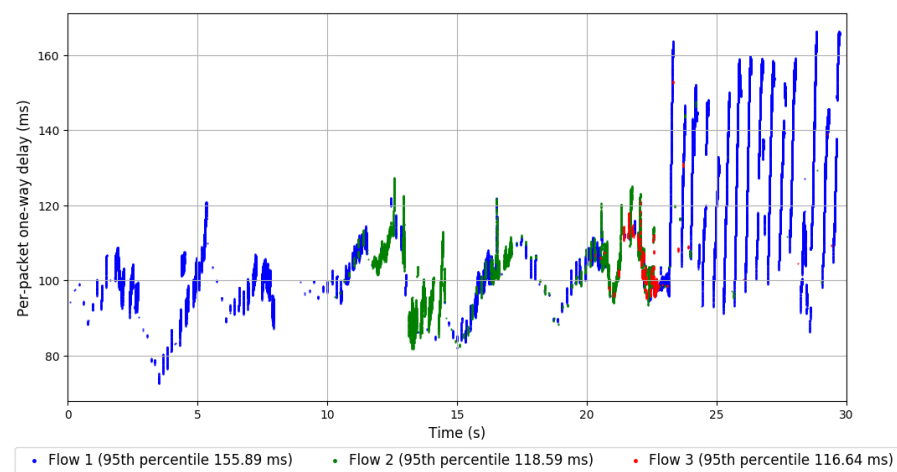
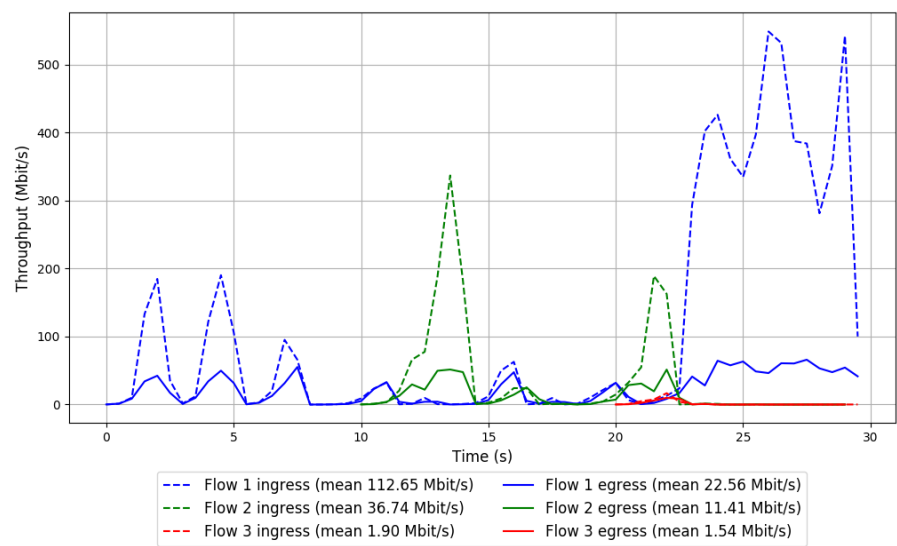


Run 8: Statistics of Verus

Start at: 2017-11-16 13:08:18
End at: 2017-11-16 13:08:48
Local clock offset: 0.713 ms
Remote clock offset: -43.453 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 153.817 ms
Loss rate: 77.81%
-- Flow 1:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 155.892 ms
Loss rate: 79.92%
-- Flow 2:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 118.594 ms
Loss rate: 69.24%
-- Flow 3:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 116.635 ms
Loss rate: 20.57%

Run 8: Report of Verus — Data Link

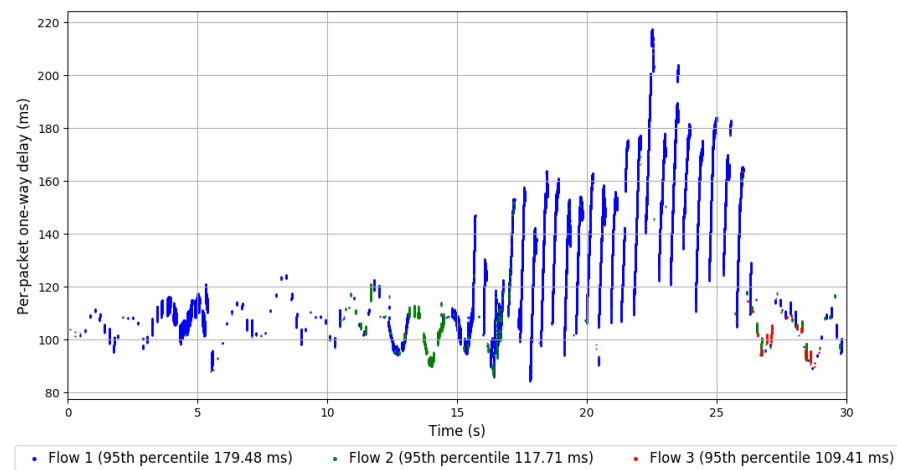
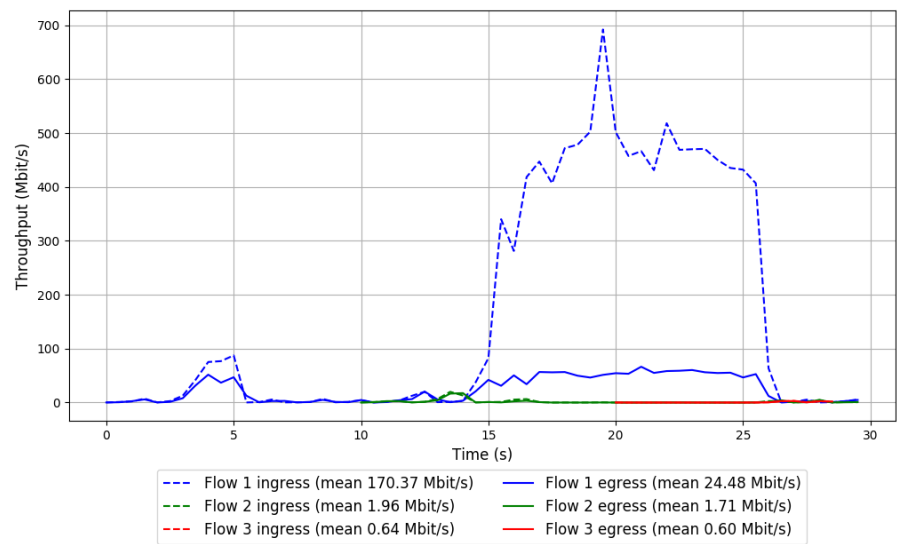


Run 9: Statistics of Verus

Start at: 2017-11-16 13:28:50
End at: 2017-11-16 13:29:20
Local clock offset: 1.106 ms
Remote clock offset: -47.591 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.79 Mbit/s
95th percentile per-packet one-way delay: 179.054 ms
Loss rate: 85.00%
-- Flow 1:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 179.480 ms
Loss rate: 85.63%
-- Flow 2:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 117.711 ms
Loss rate: 12.80%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 109.413 ms
Loss rate: 6.08%

Run 9: Report of Verus — Data Link

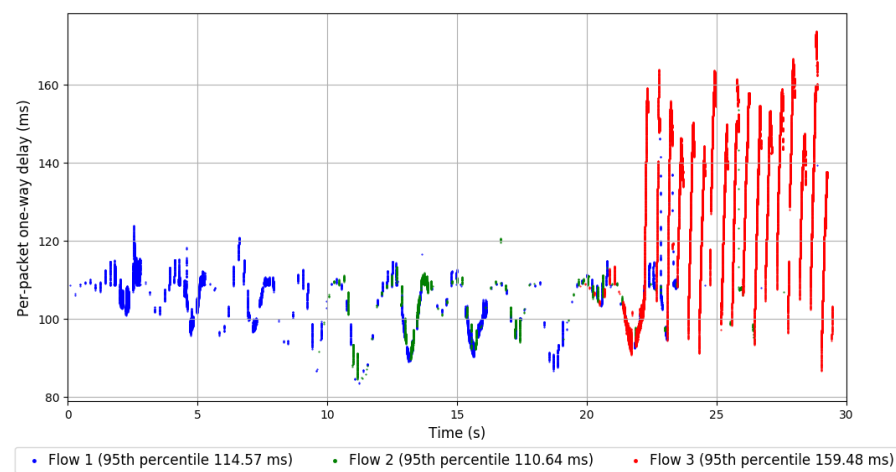
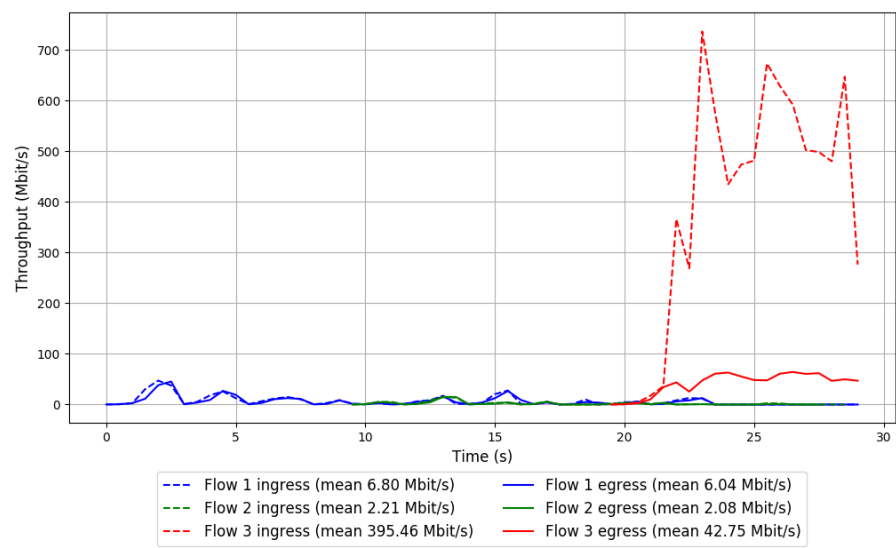


Run 10: Statistics of Verus

Start at: 2017-11-16 13:49:27
End at: 2017-11-16 13:49:57
Local clock offset: 1.029 ms
Remote clock offset: -45.643 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.39 Mbit/s
95th percentile per-packet one-way delay: 157.356 ms
Loss rate: 84.65%
-- Flow 1:
Average throughput: 6.04 Mbit/s
95th percentile per-packet one-way delay: 114.566 ms
Loss rate: 11.78%
-- Flow 2:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 110.644 ms
Loss rate: 11.44%
-- Flow 3:
Average throughput: 42.75 Mbit/s
95th percentile per-packet one-way delay: 159.484 ms
Loss rate: 89.20%

Run 10: Report of Verus — Data Link

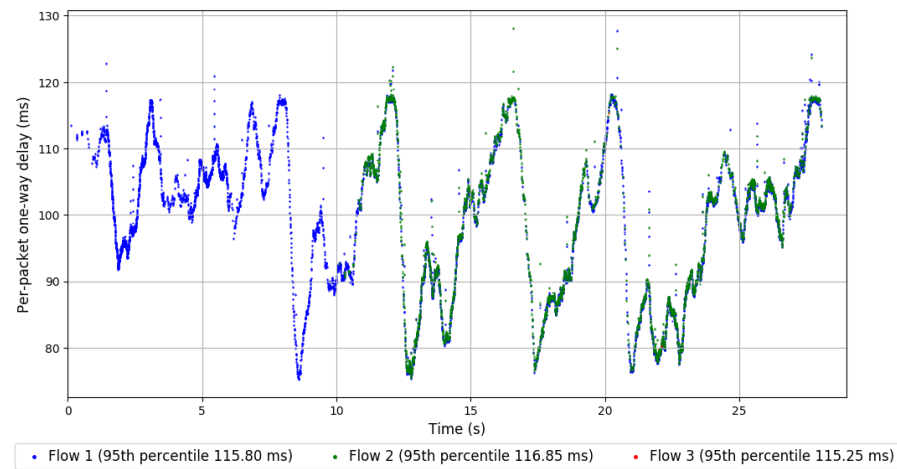
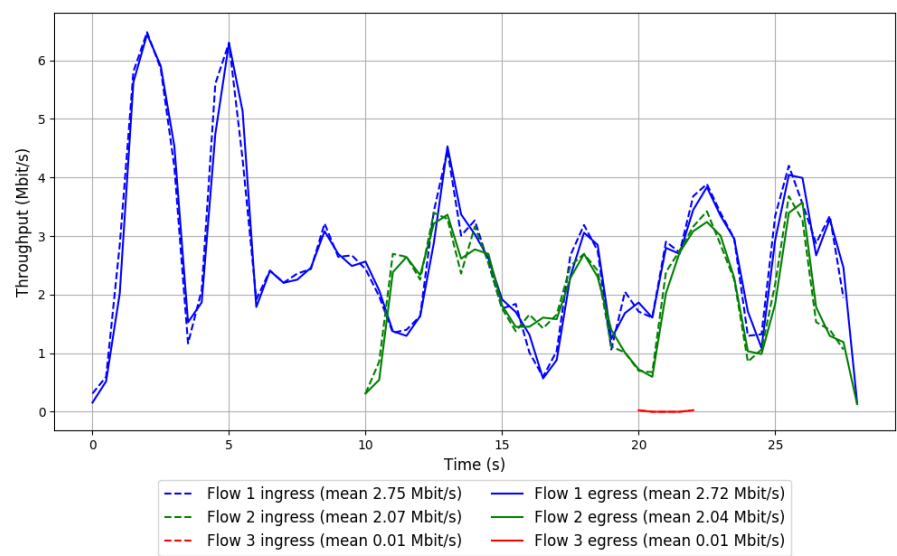


Run 1: Statistics of Copa

Start at: 2017-11-16 10:48:53
End at: 2017-11-16 10:49:23
Local clock offset: 1.85 ms
Remote clock offset: -37.652 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 116.144 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 115.795 ms
Loss rate: 1.06%
-- Flow 2:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 116.852 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 115.248 ms
Loss rate: 3.83%

Run 1: Report of Copa — Data Link

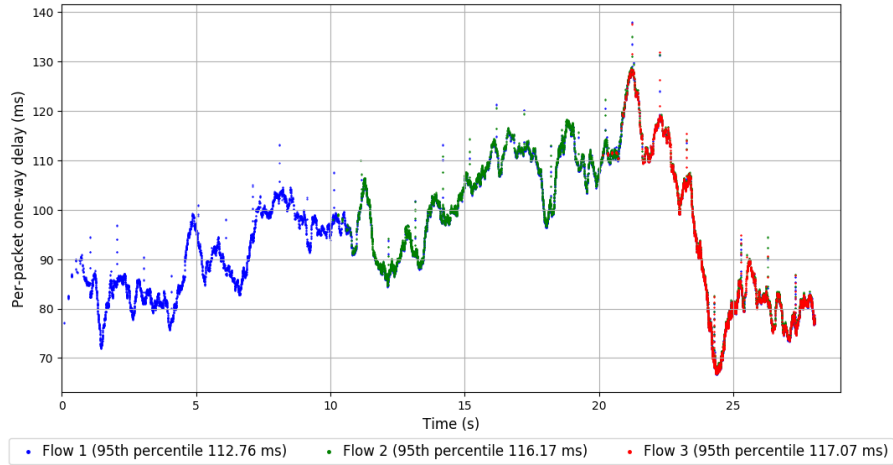
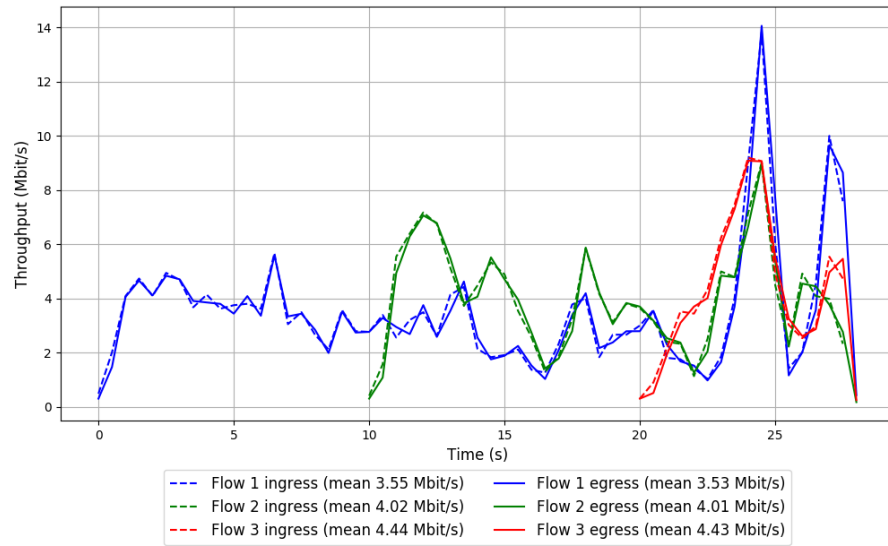


Run 2: Statistics of Copa

Start at: 2017-11-16 11:07:39
End at: 2017-11-16 11:08:09
Local clock offset: 1.869 ms
Remote clock offset: -15.994 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 115.295 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 112.762 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 116.166 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 117.074 ms
Loss rate: 0.61%

Run 2: Report of Copa — Data Link

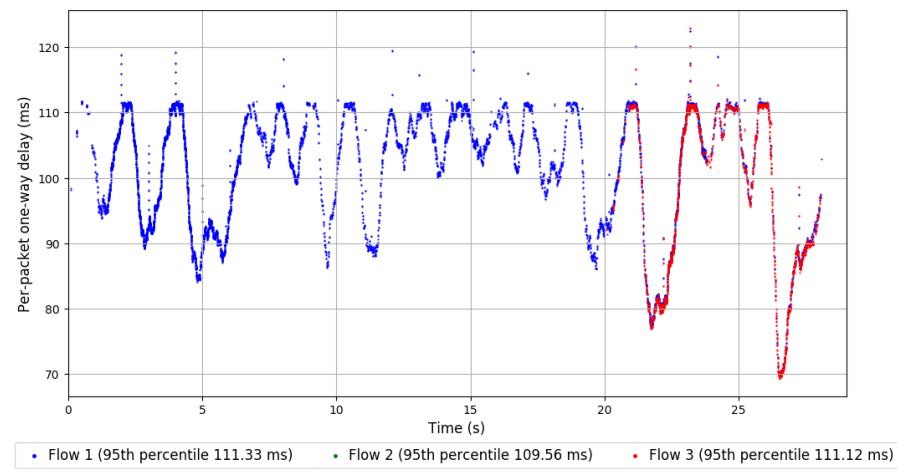
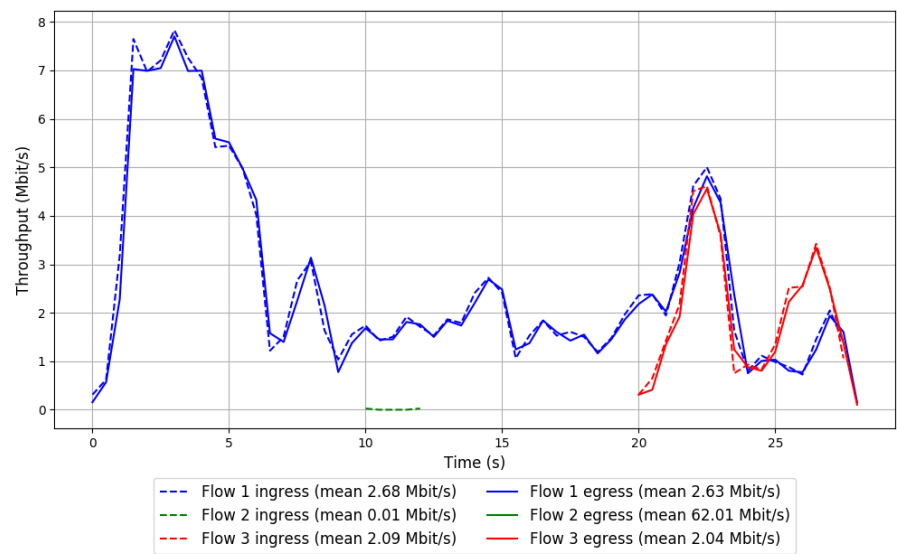


Run 3: Statistics of Copa

Start at: 2017-11-16 11:26:33
End at: 2017-11-16 11:27:03
Local clock offset: 1.585 ms
Remote clock offset: -47.218 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.21 Mbit/s
95th percentile per-packet one-way delay: 111.300 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 111.333 ms
Loss rate: 1.73%
-- Flow 2:
Average throughput: 62.01 Mbit/s
95th percentile per-packet one-way delay: 109.561 ms
Loss rate: 50.00%
-- Flow 3:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 111.123 ms
Loss rate: 2.30%

Run 3: Report of Copa — Data Link

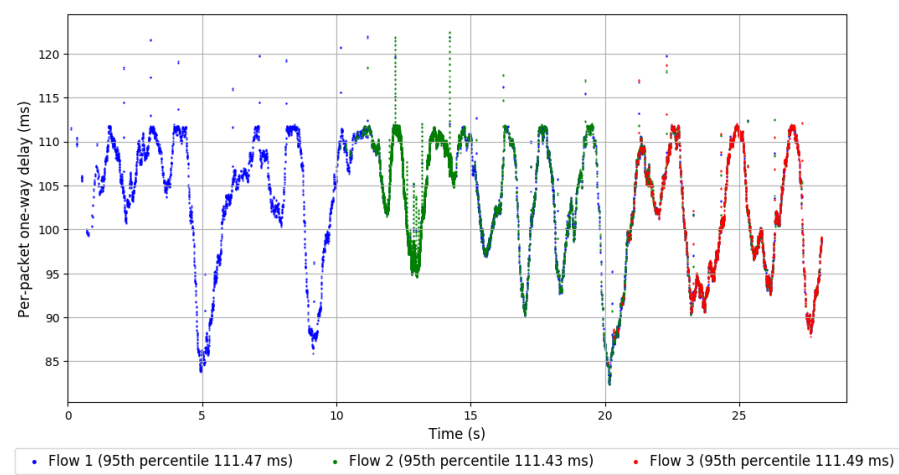
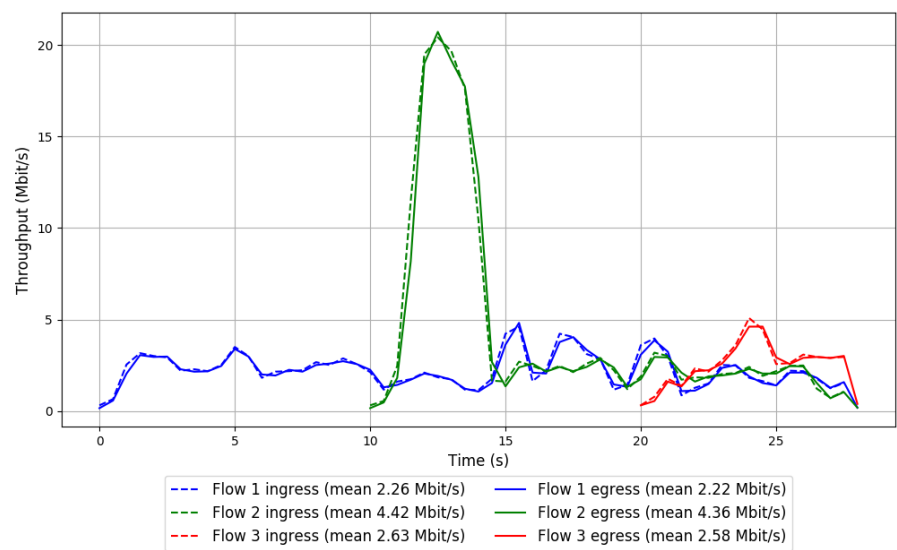


Run 4: Statistics of Copa

Start at: 2017-11-16 11:45:42
End at: 2017-11-16 11:46:12
Local clock offset: 1.152 ms
Remote clock offset: -48.084 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 111.452 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 111.469 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 111.426 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 111.493 ms
Loss rate: 1.47%

Run 4: Report of Copa — Data Link

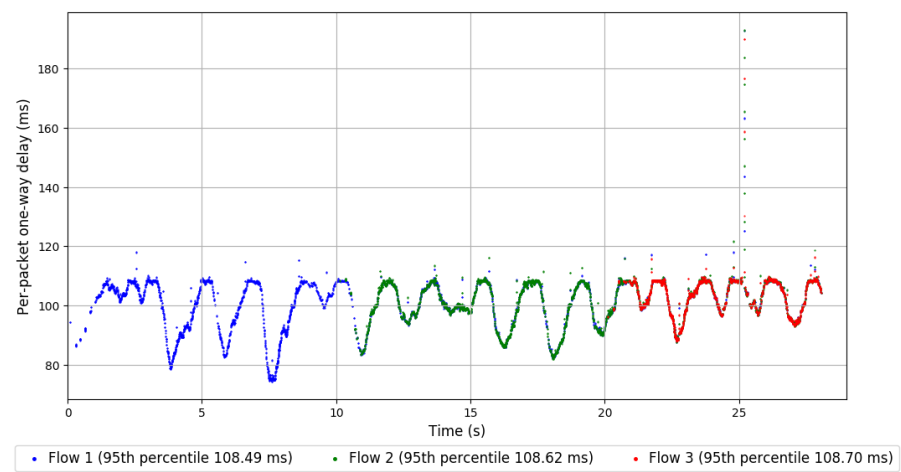
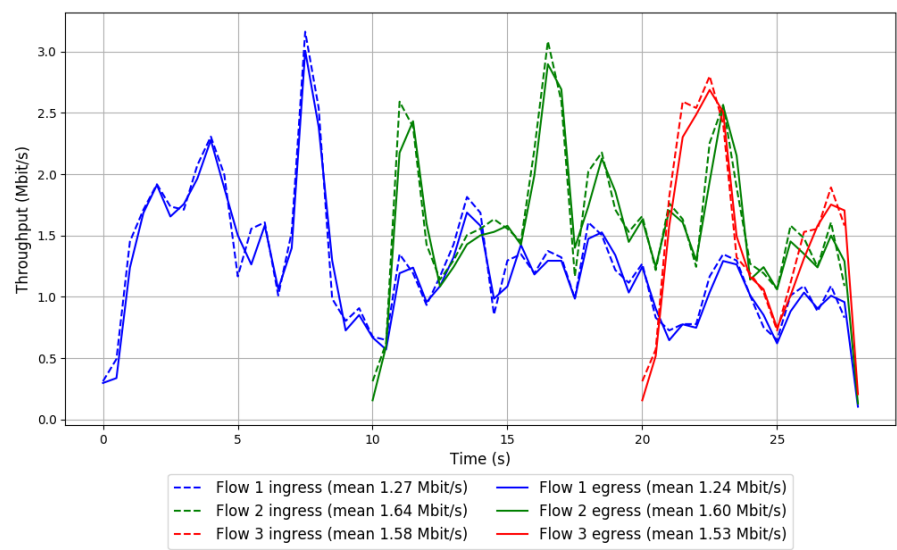


Run 5: Statistics of Copa

Start at: 2017-11-16 12:04:47
End at: 2017-11-16 12:05:17
Local clock offset: 1.137 ms
Remote clock offset: -52.705 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 108.562 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 108.487 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 108.624 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 108.702 ms
Loss rate: 2.89%

Run 5: Report of Copa — Data Link

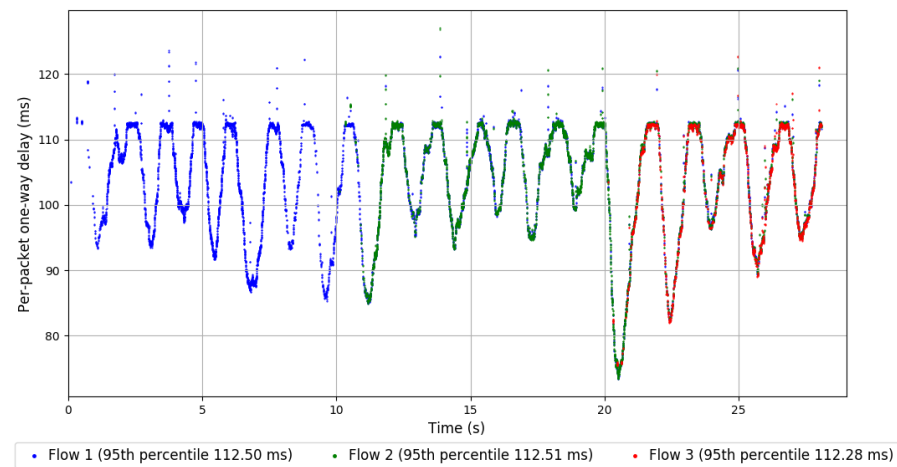
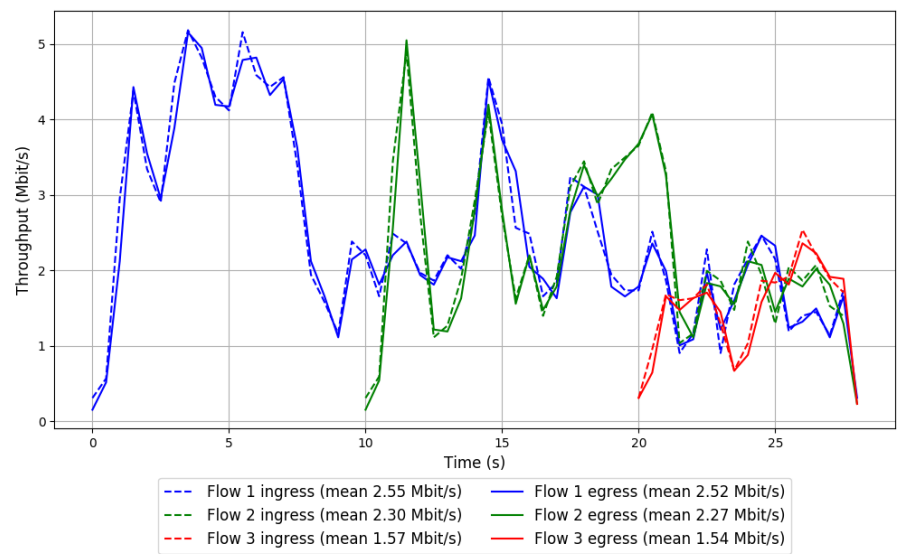


Run 6: Statistics of Copa

Start at: 2017-11-16 12:24:45
End at: 2017-11-16 12:25:15
Local clock offset: 0.861 ms
Remote clock offset: -47.192 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 112.494 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 112.504 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 112.513 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 112.275 ms
Loss rate: 2.20%

Run 6: Report of Copa — Data Link

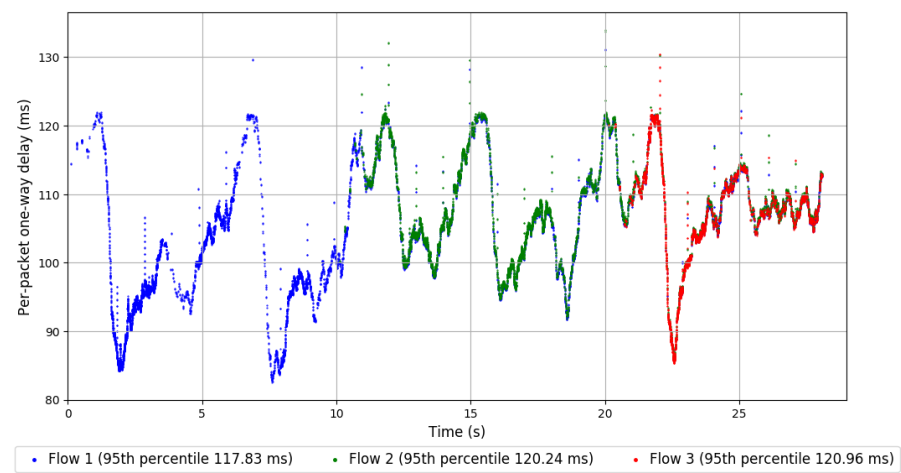
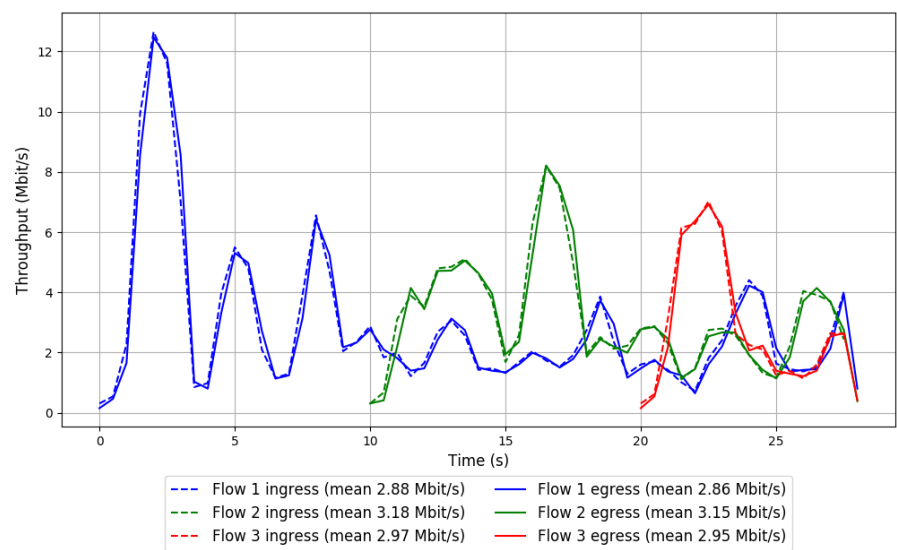


Run 7: Statistics of Copa

Start at: 2017-11-16 12:44:03
End at: 2017-11-16 12:44:33
Local clock offset: 0.731 ms
Remote clock offset: -36.332 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 119.726 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 117.828 ms
Loss rate: 0.77%
-- Flow 2:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 120.244 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 120.960 ms
Loss rate: 0.77%

Run 7: Report of Copa — Data Link

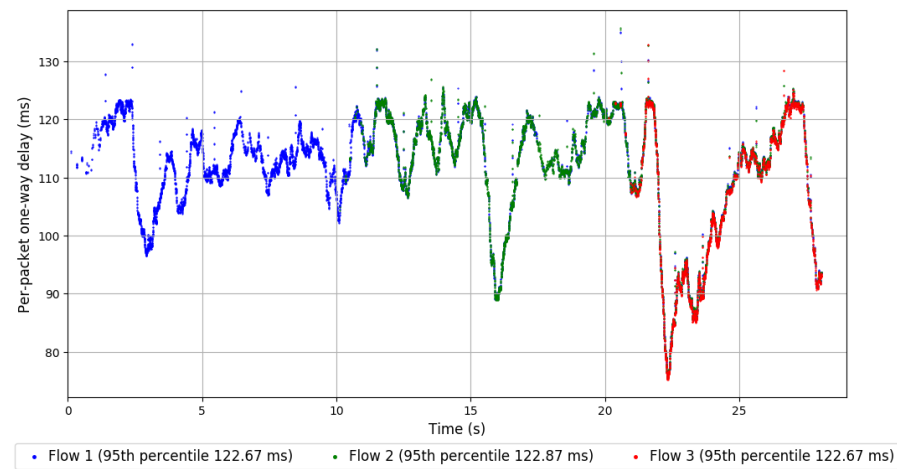
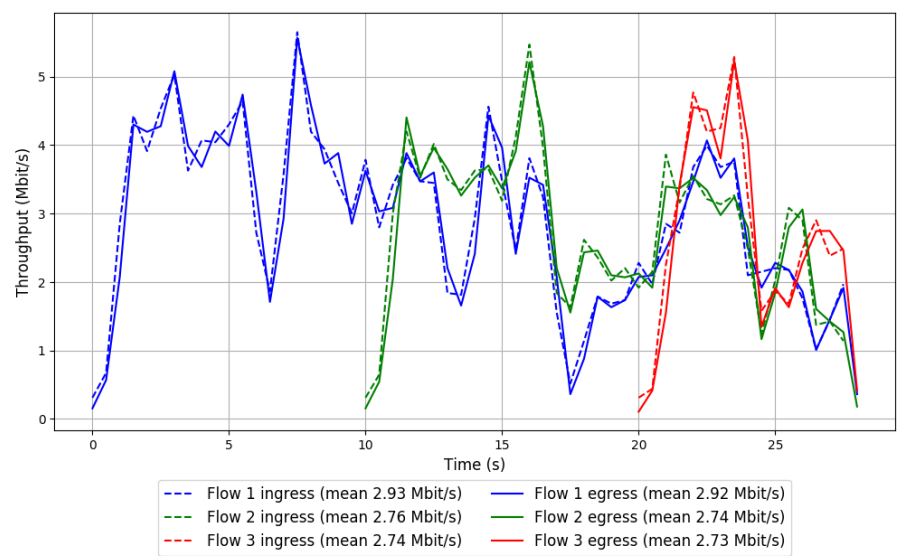


Run 8: Statistics of Copa

Start at: 2017-11-16 13:03:50
End at: 2017-11-16 13:04:20
Local clock offset: 0.511 ms
Remote clock offset: -33.712 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 122.741 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 122.668 ms
Loss rate: 0.58%
-- Flow 2:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 122.871 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 122.666 ms
Loss rate: 0.70%

Run 8: Report of Copa — Data Link

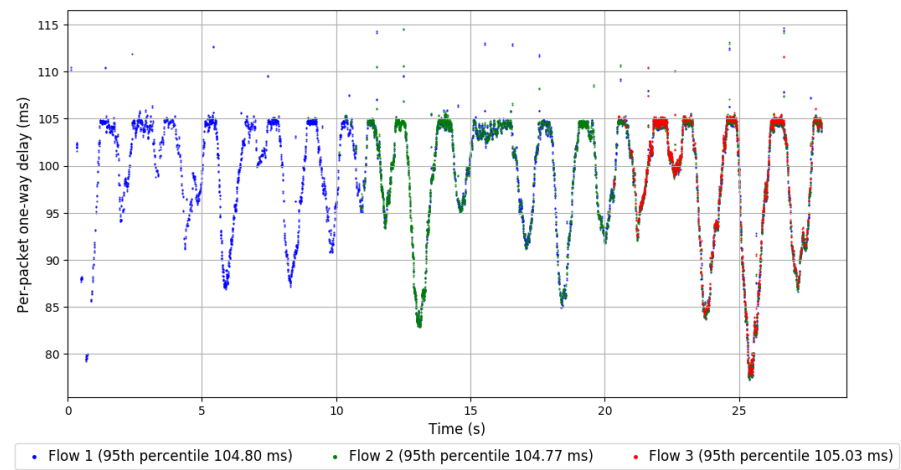
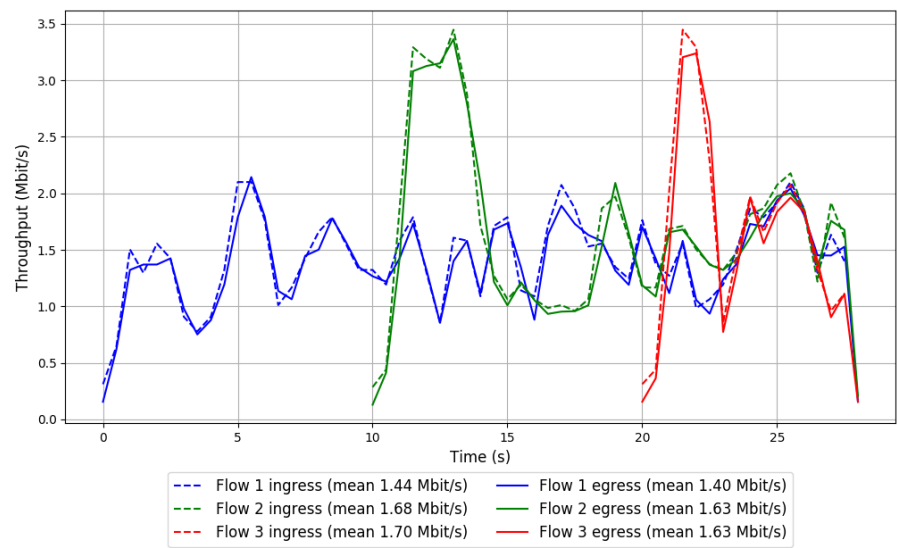


Run 9: Statistics of Copa

Start at: 2017-11-16 13:24:06
End at: 2017-11-16 13:24:36
Local clock offset: 0.892 ms
Remote clock offset: -51.599 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 104.855 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 104.800 ms
Loss rate: 2.61%
-- Flow 2:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 104.772 ms
Loss rate: 2.52%
-- Flow 3:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 105.033 ms
Loss rate: 4.01%

Run 9: Report of Copa — Data Link

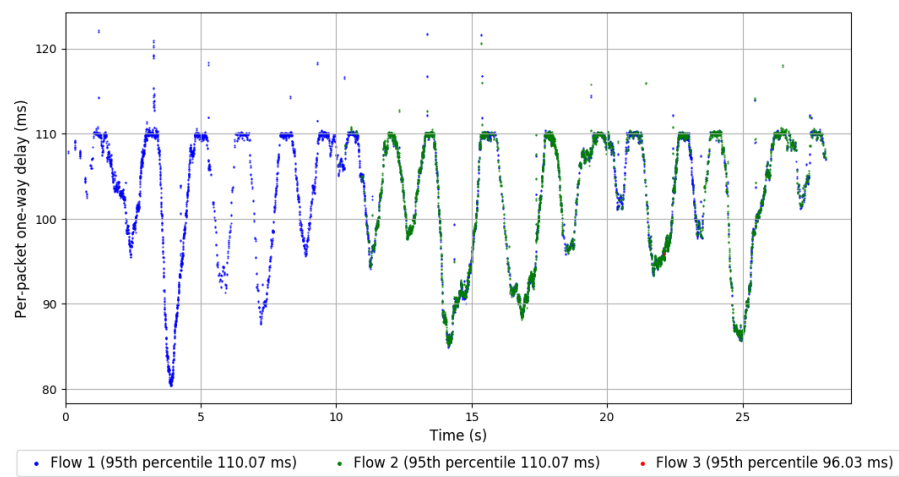
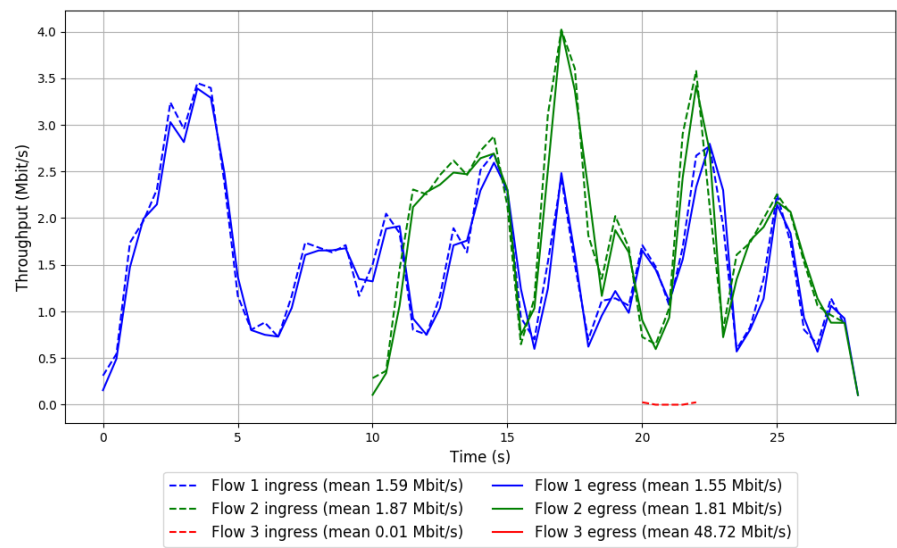


Run 10: Statistics of Copa

Start at: 2017-11-16 13:44:41
End at: 2017-11-16 13:45:11
Local clock offset: 1.051 ms
Remote clock offset: -45.146 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 110.070 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 110.073 ms
Loss rate: 2.35%
-- Flow 2:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 110.067 ms
Loss rate: 3.18%
-- Flow 3:
Average throughput: 48.72 Mbit/s
95th percentile per-packet one-way delay: 96.035 ms
Loss rate: 50.00%

Run 10: Report of Copa — Data Link

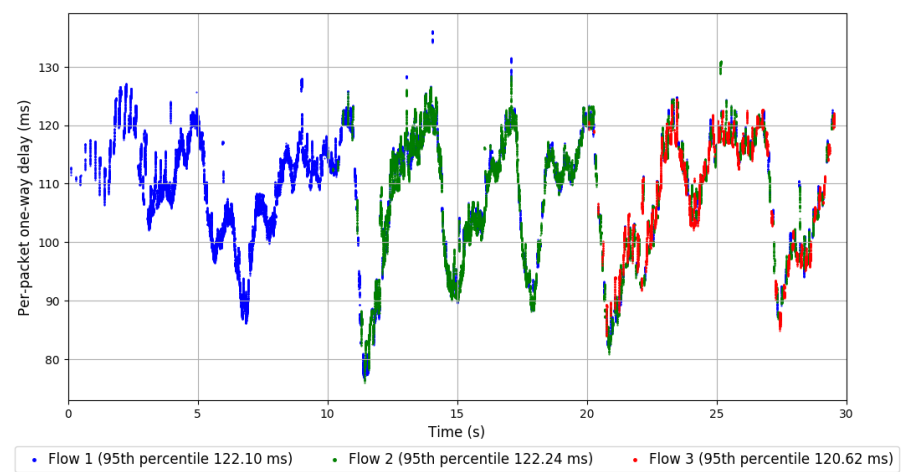
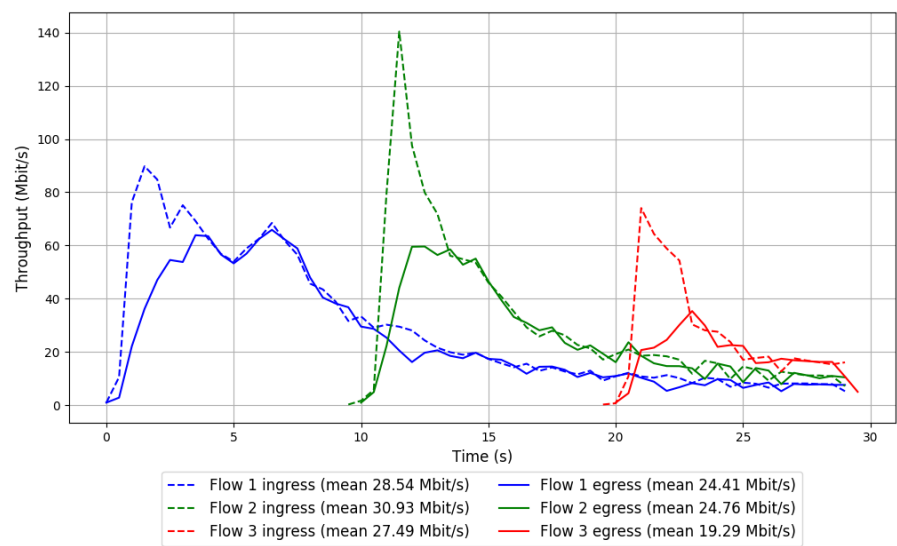


```
Run 1: Statistics of Indigo

Start at: 2017-11-16 10:43:22
End at: 2017-11-16 10:43:52
Local clock offset: 1.895 ms
Remote clock offset: -33.98 ms

# Below is generated by plot.py at 2017-11-16 14:07:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.92 Mbit/s
95th percentile per-packet one-way delay: 121.959 ms
Loss rate: 18.74%
-- Flow 1:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 122.098 ms
Loss rate: 14.44%
-- Flow 2:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 122.241 ms
Loss rate: 19.91%
-- Flow 3:
Average throughput: 19.29 Mbit/s
95th percentile per-packet one-way delay: 120.620 ms
Loss rate: 29.82%
```


Run 1: Report of Indigo — Data Link

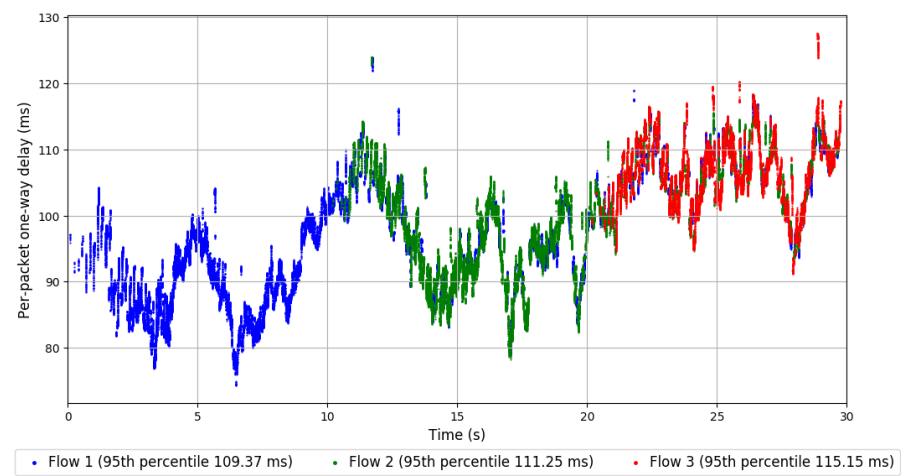
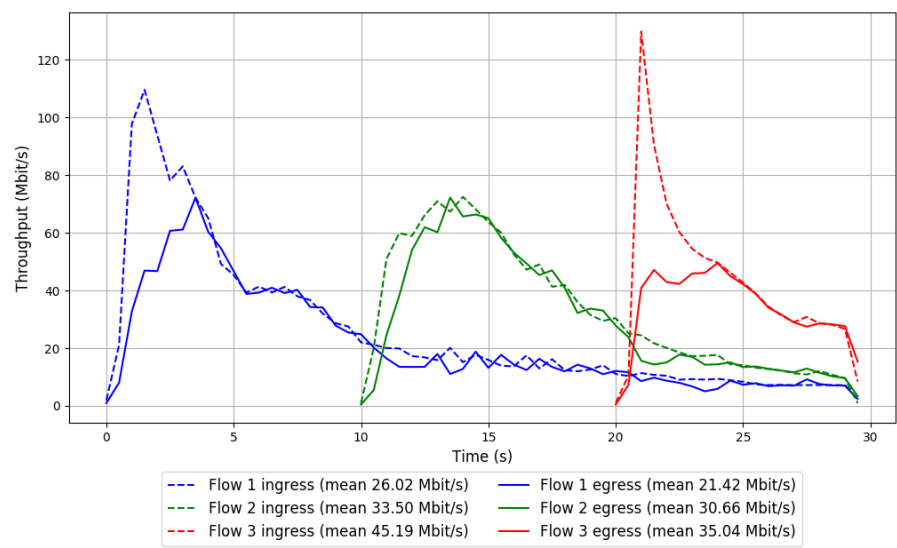


Run 2: Statistics of Indigo

Start at: 2017-11-16 11:02:30
End at: 2017-11-16 11:03:00
Local clock offset: 1.907 ms
Remote clock offset: -20.848 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 52.76 Mbit/s
95th percentile per-packet one-way delay: 112.435 ms
Loss rate: 15.48%
-- Flow 1:
Average throughput: 21.42 Mbit/s
95th percentile per-packet one-way delay: 109.369 ms
Loss rate: 17.62%
-- Flow 2:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 111.253 ms
Loss rate: 8.42%
-- Flow 3:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 115.151 ms
Loss rate: 22.31%

Run 2: Report of Indigo — Data Link

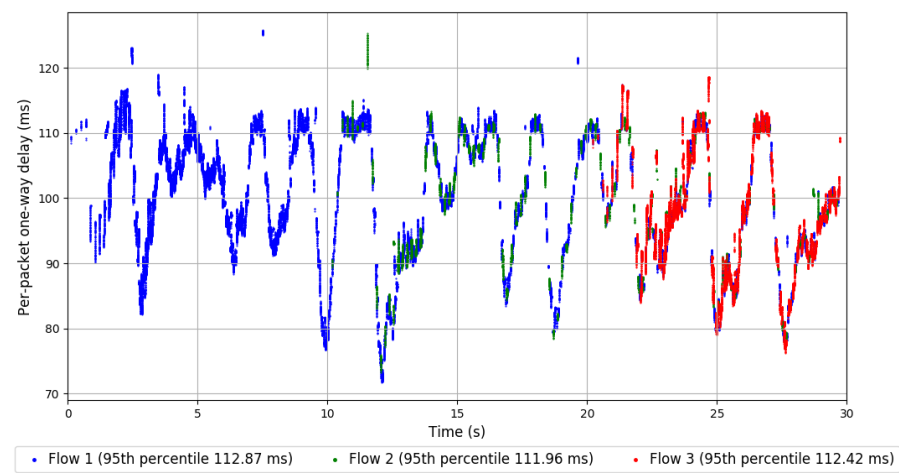
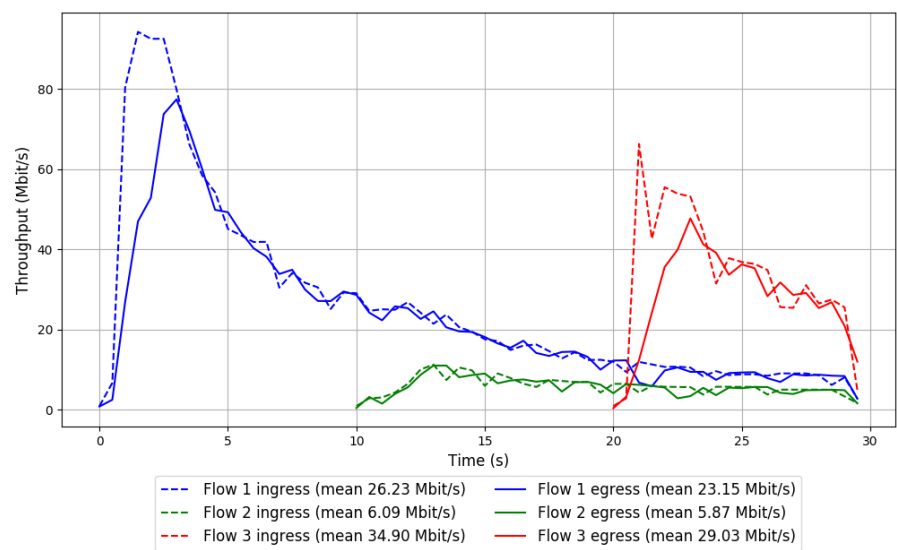


Run 3: Statistics of Indigo

Start at: 2017-11-16 11:21:03
End at: 2017-11-16 11:21:33
Local clock offset: 1.575 ms
Remote clock offset: -47.819 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 112.675 ms
Loss rate: 12.34%
-- Flow 1:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 112.868 ms
Loss rate: 11.77%
-- Flow 2:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 111.957 ms
Loss rate: 3.57%
-- Flow 3:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 112.422 ms
Loss rate: 16.81%

Run 3: Report of Indigo — Data Link

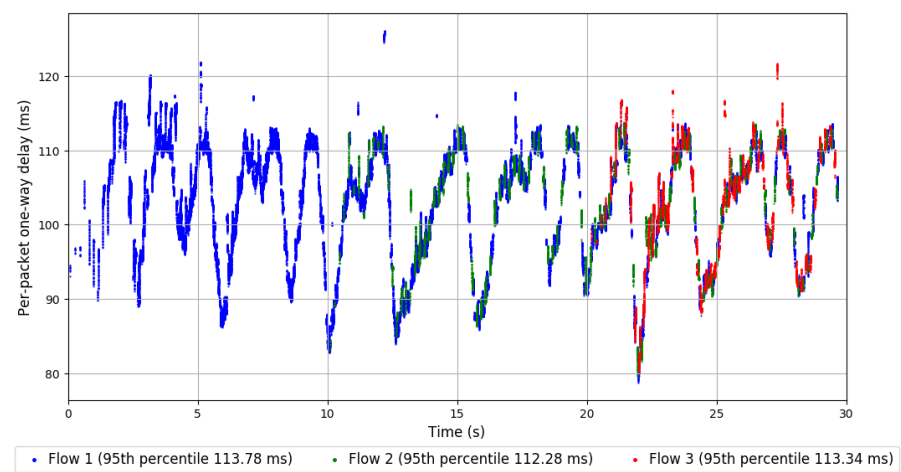
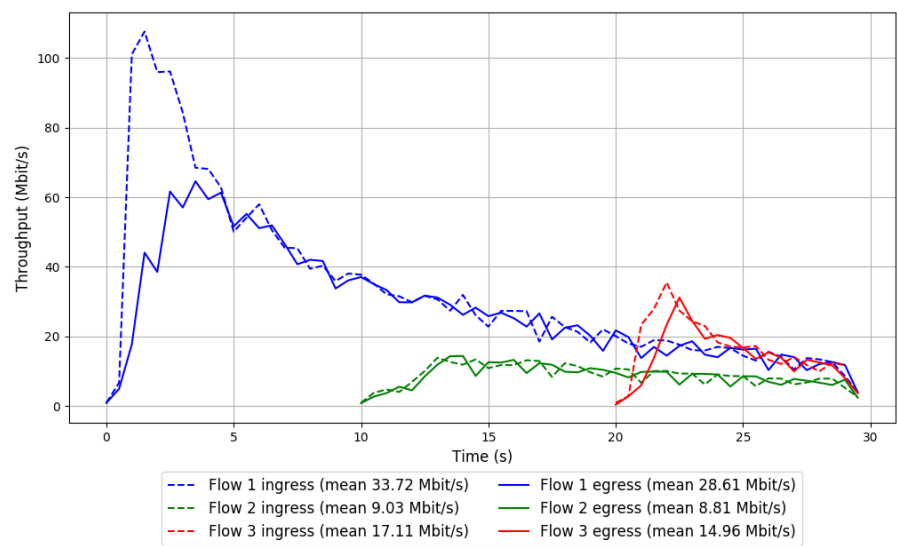


Run 4: Statistics of Indigo

Start at: 2017-11-16 11:40:14
End at: 2017-11-16 11:40:44
Local clock offset: 1.475 ms
Remote clock offset: -48.526 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 113.288 ms
Loss rate: 13.10%
-- Flow 1:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 113.775 ms
Loss rate: 15.11%
-- Flow 2:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 112.276 ms
Loss rate: 2.30%
-- Flow 3:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 113.343 ms
Loss rate: 12.47%

Run 4: Report of Indigo — Data Link

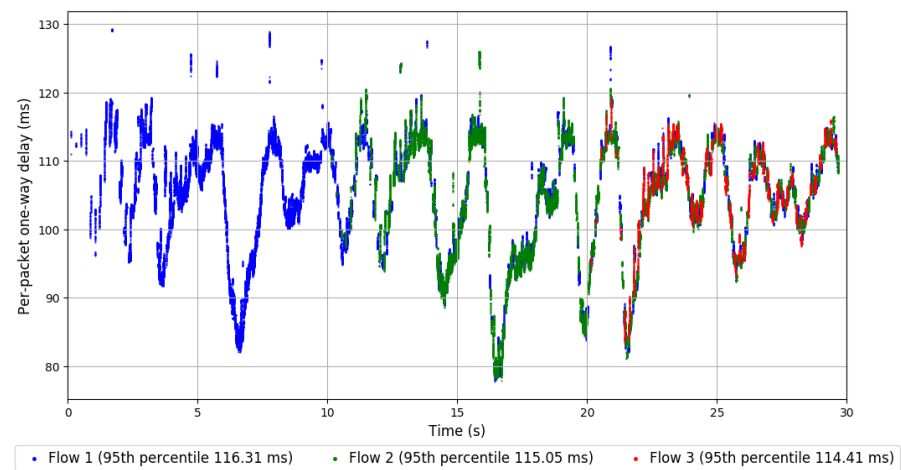
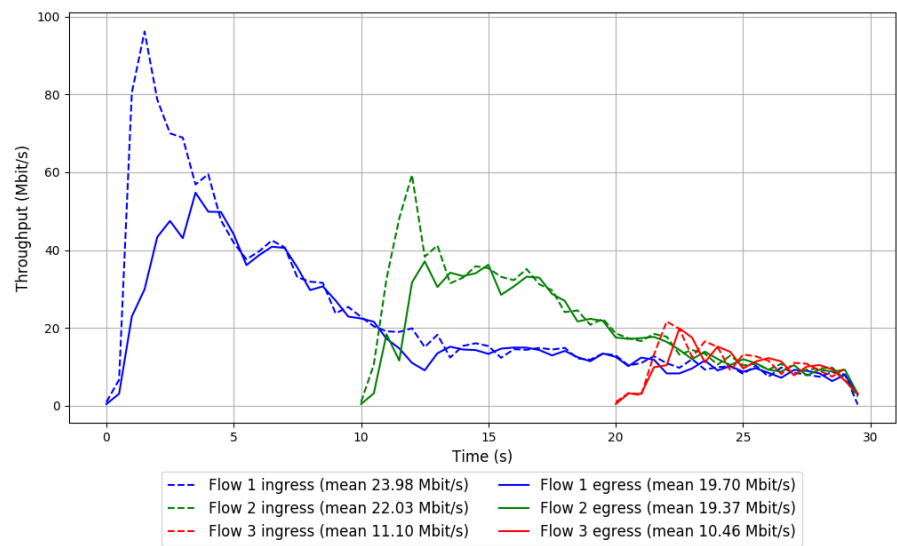


Run 5: Statistics of Indigo

Start at: 2017-11-16 11:59:18
End at: 2017-11-16 11:59:48
Local clock offset: 1.259 ms
Remote clock offset: -47.38 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.79 Mbit/s
95th percentile per-packet one-way delay: 115.576 ms
Loss rate: 14.83%
-- Flow 1:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 116.307 ms
Loss rate: 17.87%
-- Flow 2:
Average throughput: 19.37 Mbit/s
95th percentile per-packet one-way delay: 115.050 ms
Loss rate: 12.06%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 114.405 ms
Loss rate: 5.61%

Run 5: Report of Indigo — Data Link

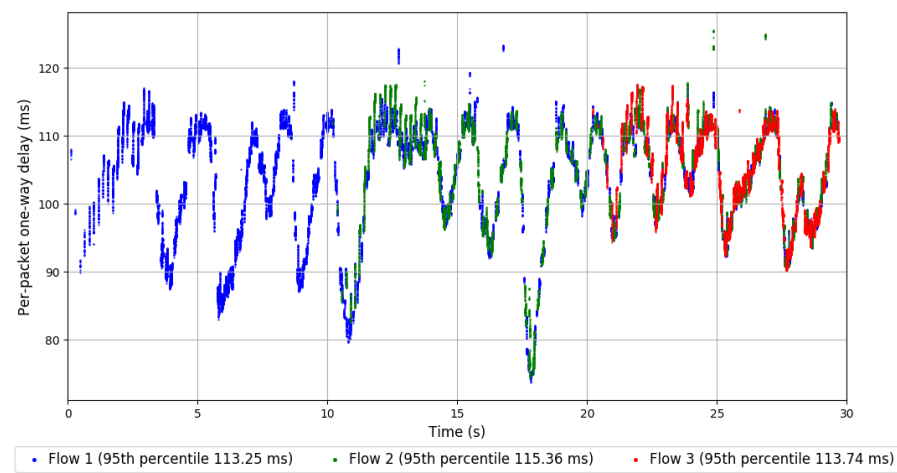
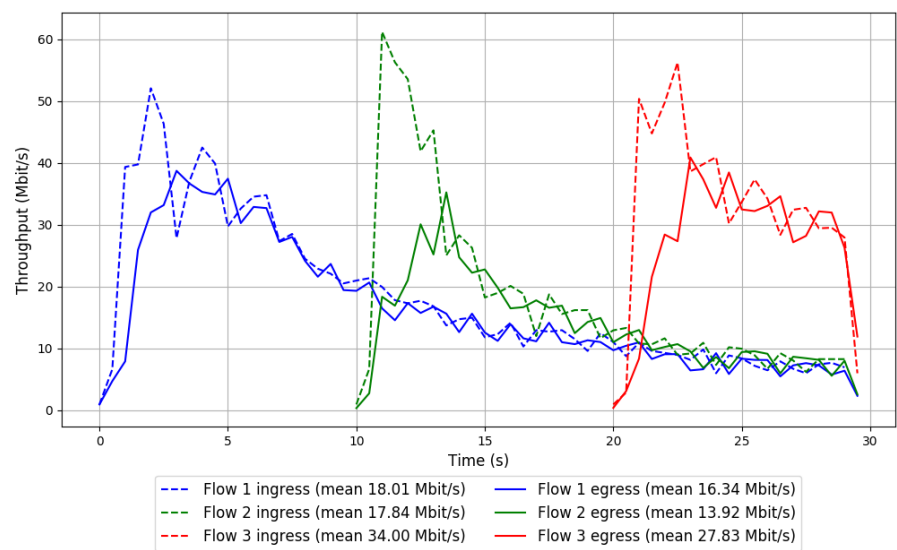


Run 6: Statistics of Indigo

Start at: 2017-11-16 12:19:01
End at: 2017-11-16 12:19:31
Local clock offset: 0.898 ms
Remote clock offset: -48.971 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 113.822 ms
Loss rate: 15.32%
-- Flow 1:
Average throughput: 16.34 Mbit/s
95th percentile per-packet one-way delay: 113.247 ms
Loss rate: 9.25%
-- Flow 2:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 115.365 ms
Loss rate: 21.96%
-- Flow 3:
Average throughput: 27.83 Mbit/s
95th percentile per-packet one-way delay: 113.744 ms
Loss rate: 18.17%

Run 6: Report of Indigo — Data Link

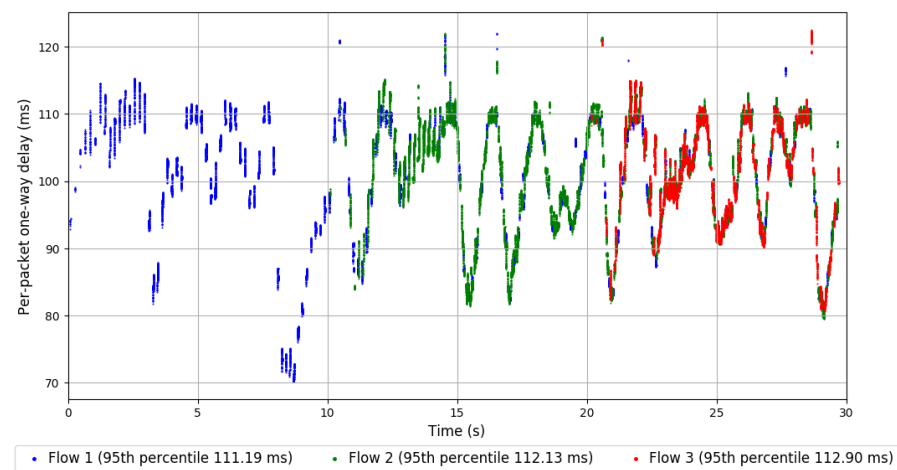
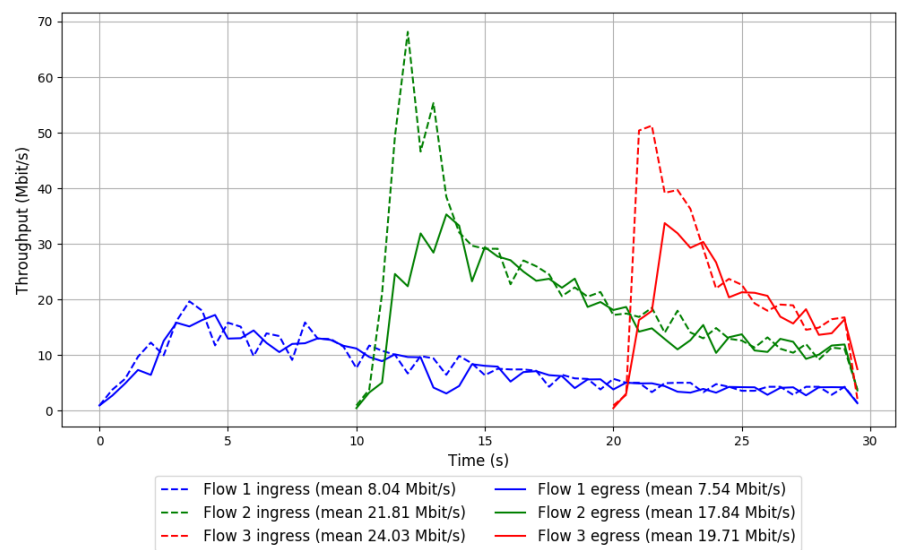


Run 7: Statistics of Indigo

Start at: 2017-11-16 12:38:36
End at: 2017-11-16 12:39:06
Local clock offset: 0.788 ms
Remote clock offset: -49.273 ms

Below is generated by plot.py at 2017-11-16 14:07:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 25.63 Mbit/s
95th percentile per-packet one-way delay: 111.686 ms
Loss rate: 14.96%
-- Flow 1:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 111.185 ms
Loss rate: 6.23%
-- Flow 2:
Average throughput: 17.84 Mbit/s
95th percentile per-packet one-way delay: 112.131 ms
Loss rate: 18.16%
-- Flow 3:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 112.899 ms
Loss rate: 18.03%

Run 7: Report of Indigo — Data Link

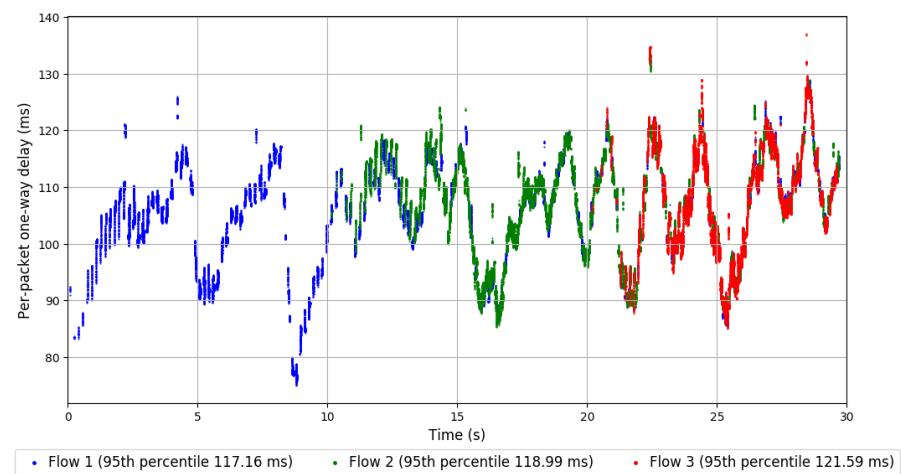
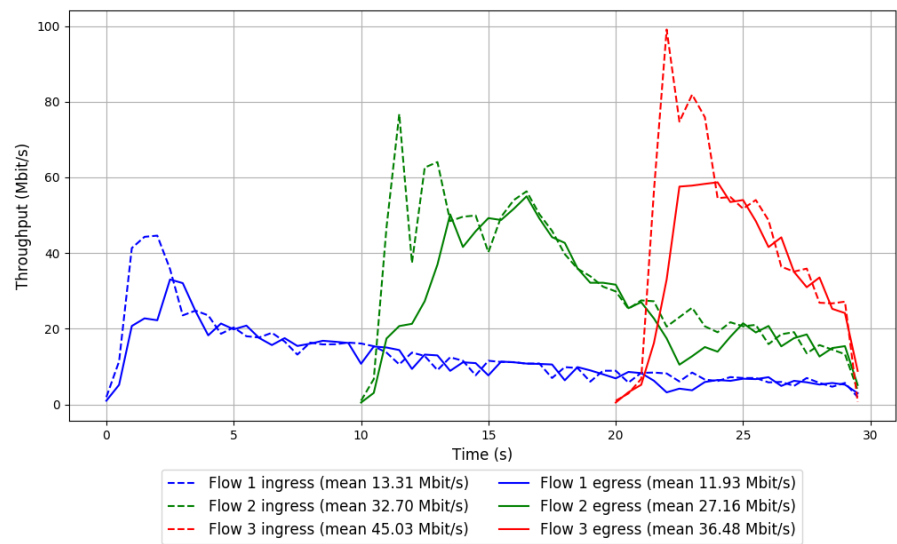


Run 8: Statistics of Indigo

Start at: 2017-11-16 12:57:55
End at: 2017-11-16 12:58:25
Local clock offset: 0.598 ms
Remote clock offset: -41.936 ms

Below is generated by plot.py at 2017-11-16 14:07:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.47 Mbit/s
95th percentile per-packet one-way delay: 119.674 ms
Loss rate: 15.71%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 117.164 ms
Loss rate: 10.30%
-- Flow 2:
Average throughput: 27.16 Mbit/s
95th percentile per-packet one-way delay: 118.994 ms
Loss rate: 16.89%
-- Flow 3:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 121.592 ms
Loss rate: 18.94%

Run 8: Report of Indigo — Data Link

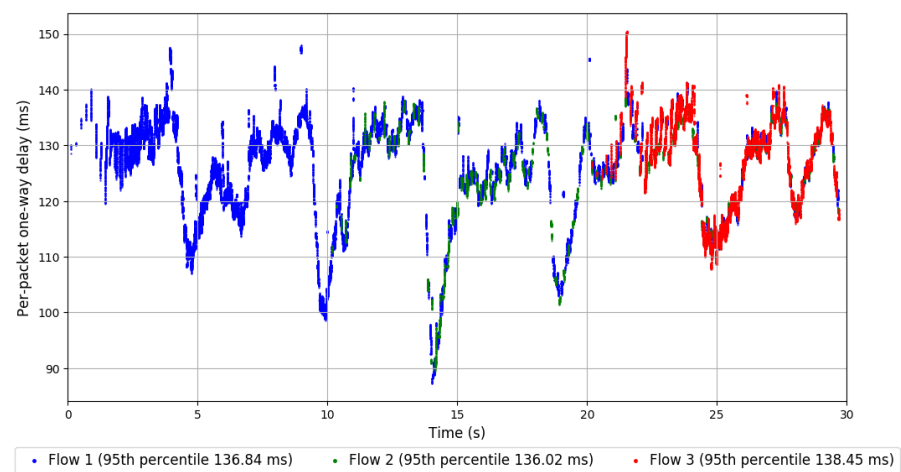
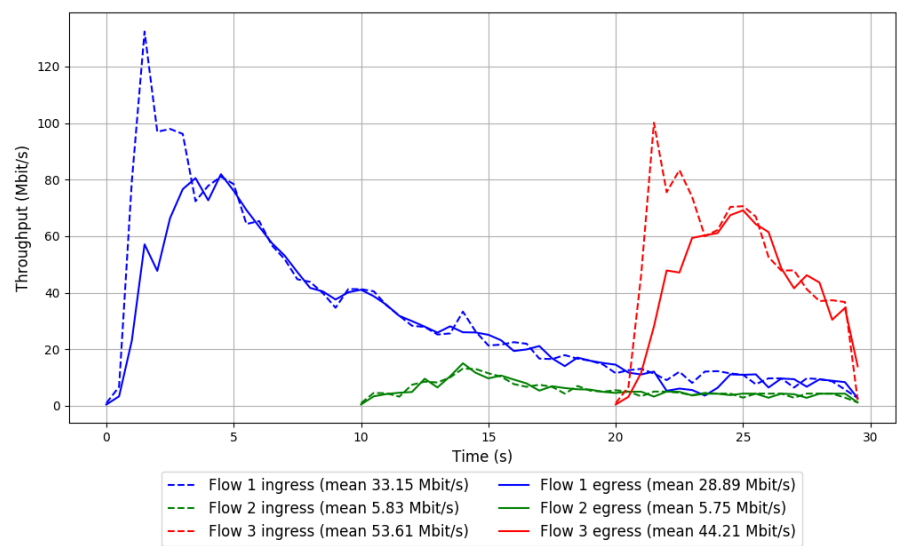


Run 9: Statistics of Indigo

Start at: 2017-11-16 13:18:13
End at: 2017-11-16 13:18:43
Local clock offset: 0.972 ms
Remote clock offset: -20.608 ms

Below is generated by plot.py at 2017-11-16 14:07:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 137.179 ms
Loss rate: 13.55%
-- Flow 1:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 136.842 ms
Loss rate: 12.87%
-- Flow 2:
Average throughput: 5.75 Mbit/s
95th percentile per-packet one-way delay: 136.022 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 44.21 Mbit/s
95th percentile per-packet one-way delay: 138.454 ms
Loss rate: 17.58%

Run 9: Report of Indigo — Data Link

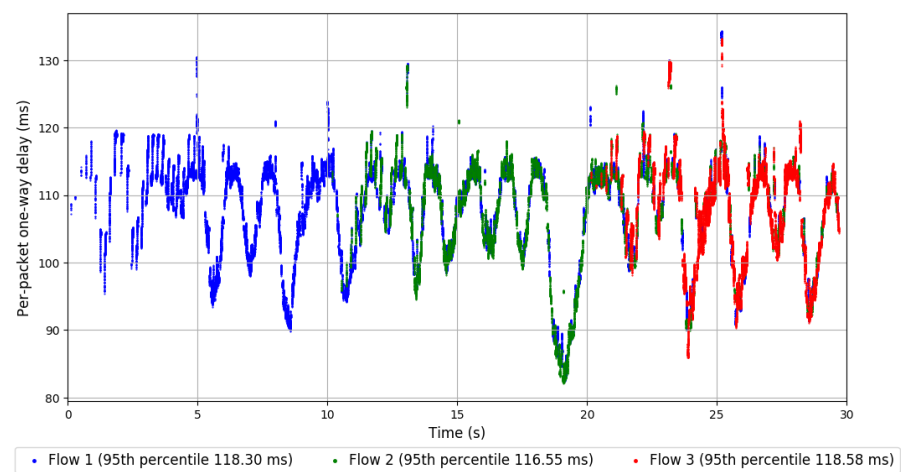
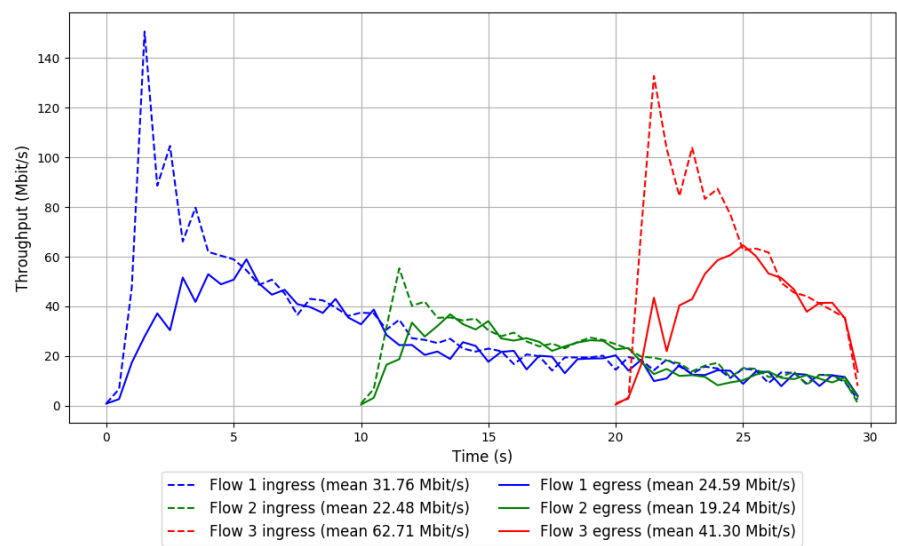


Run 10: Statistics of Indigo

Start at: 2017-11-16 13:38:40
End at: 2017-11-16 13:39:10
Local clock offset: 1.065 ms
Remote clock offset: -42.78 ms

Below is generated by plot.py at 2017-11-16 14:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 118.215 ms
Loss rate: 24.29%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 118.302 ms
Loss rate: 22.56%
-- Flow 2:
Average throughput: 19.24 Mbit/s
95th percentile per-packet one-way delay: 116.552 ms
Loss rate: 14.45%
-- Flow 3:
Average throughput: 41.30 Mbit/s
95th percentile per-packet one-way delay: 118.581 ms
Loss rate: 34.19%

Run 10: Report of Indigo — Data Link

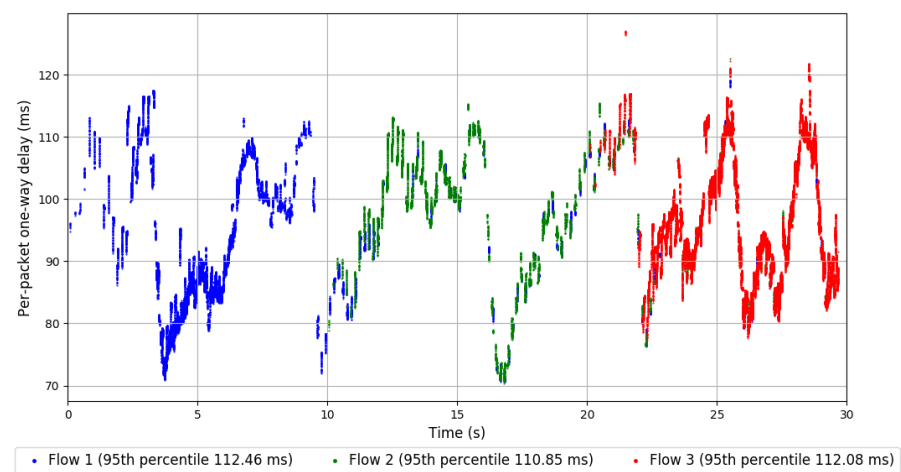
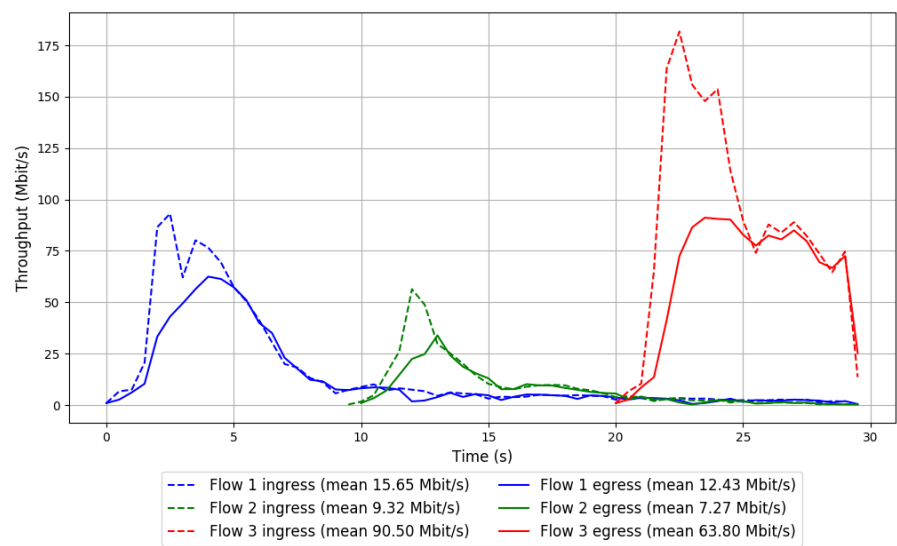


```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-16 10:44:51
End at: 2017-11-16 10:45:21
Local clock offset: 2.025 ms
Remote clock offset: -43.676 ms

# Below is generated by plot.py at 2017-11-16 14:08:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.80 Mbit/s
95th percentile per-packet one-way delay: 111.967 ms
Loss rate: 25.95%
-- Flow 1:
Average throughput: 12.43 Mbit/s
95th percentile per-packet one-way delay: 112.457 ms
Loss rate: 20.60%
-- Flow 2:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 110.852 ms
Loss rate: 22.01%
-- Flow 3:
Average throughput: 63.80 Mbit/s
95th percentile per-packet one-way delay: 112.084 ms
Loss rate: 29.62%
```

Run 1: Report of Indigo-calib — Data Link

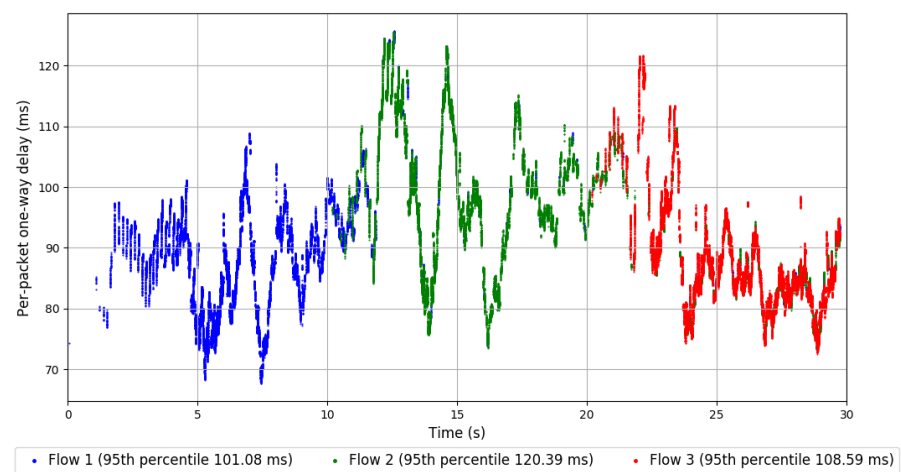
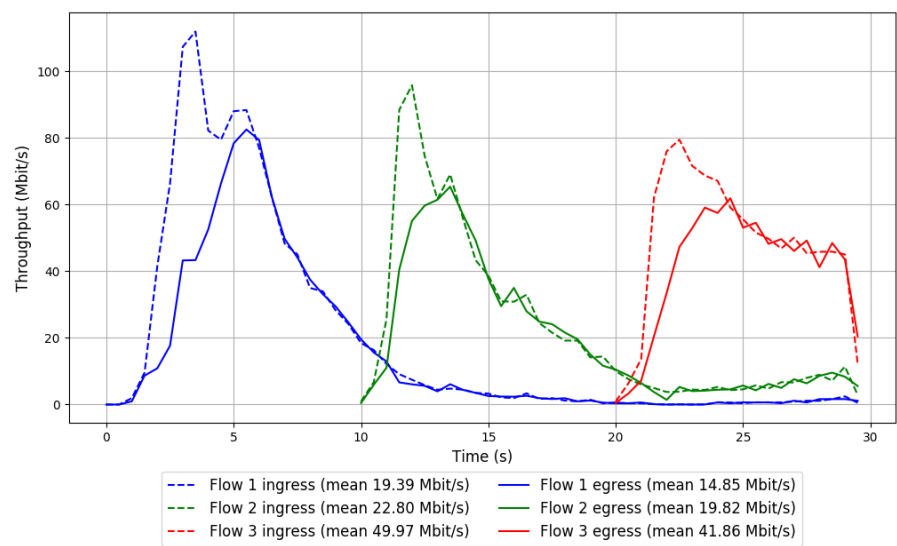


Run 2: Statistics of Indigo-calib

Start at: 2017-11-16 11:03:53
End at: 2017-11-16 11:04:23
Local clock offset: 1.766 ms
Remote clock offset: -24.024 ms

Below is generated by plot.py at 2017-11-16 14:08:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 41.34 Mbit/s
95th percentile per-packet one-way delay: 114.724 ms
Loss rate: 18.06%
-- Flow 1:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 101.085 ms
Loss rate: 23.38%
-- Flow 2:
Average throughput: 19.82 Mbit/s
95th percentile per-packet one-way delay: 120.392 ms
Loss rate: 13.09%
-- Flow 3:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 108.595 ms
Loss rate: 16.30%

Run 2: Report of Indigo-calib — Data Link

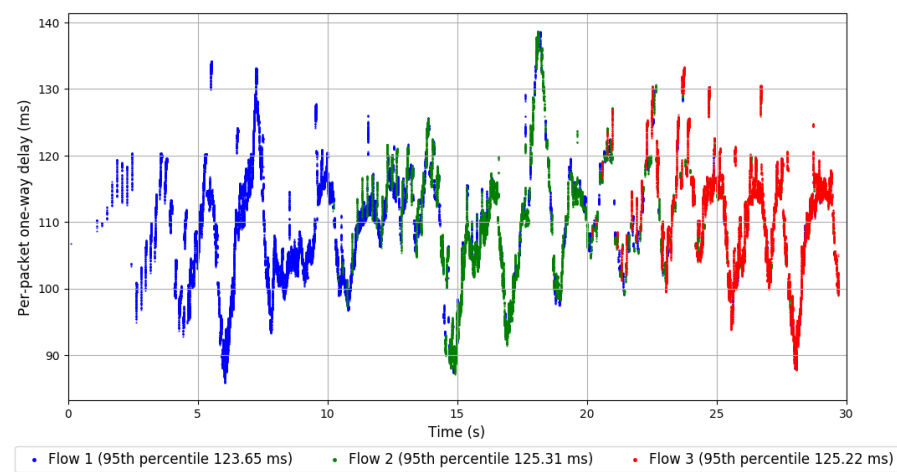
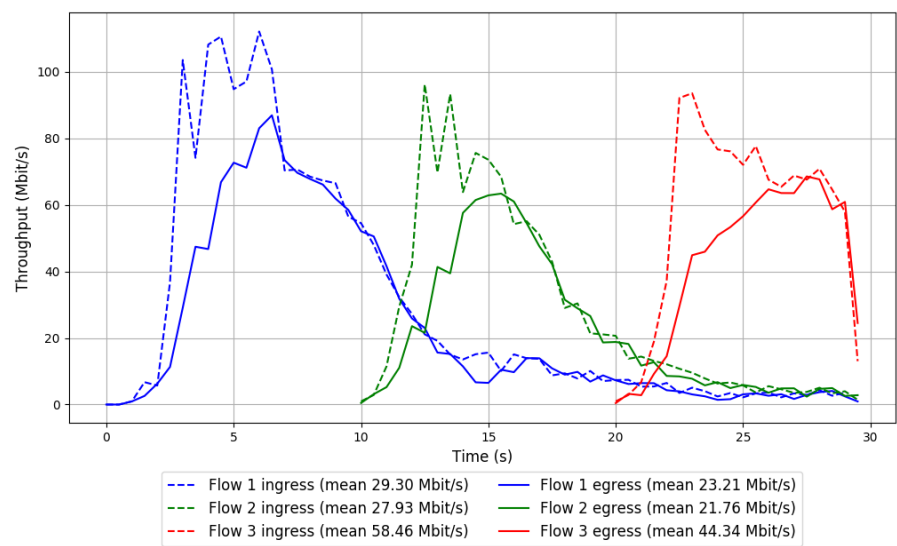


Run 3: Statistics of Indigo-calib

Start at: 2017-11-16 11:22:26
End at: 2017-11-16 11:22:56
Local clock offset: 1.495 ms
Remote clock offset: -44.222 ms

Below is generated by plot.py at 2017-11-16 14:08:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 124.814 ms
Loss rate: 22.13%
-- Flow 1:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 123.652 ms
Loss rate: 20.80%
-- Flow 2:
Average throughput: 21.76 Mbit/s
95th percentile per-packet one-way delay: 125.312 ms
Loss rate: 22.13%
-- Flow 3:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 125.215 ms
Loss rate: 24.17%

Run 3: Report of Indigo-calib — Data Link

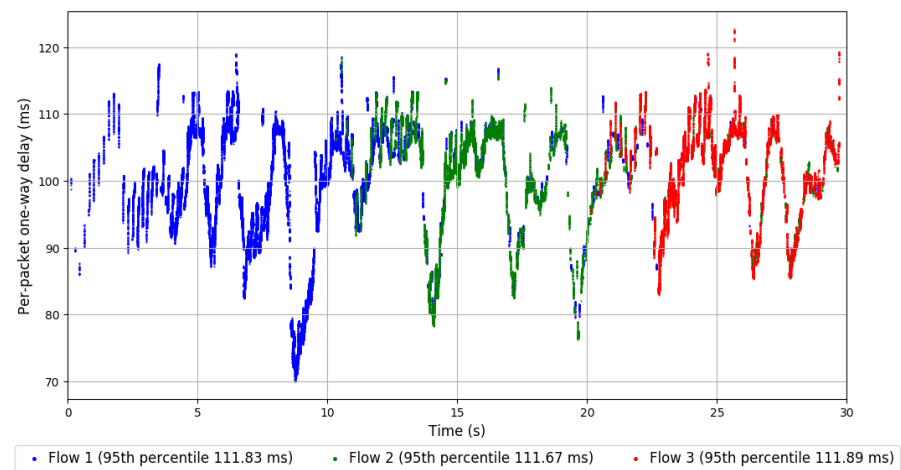
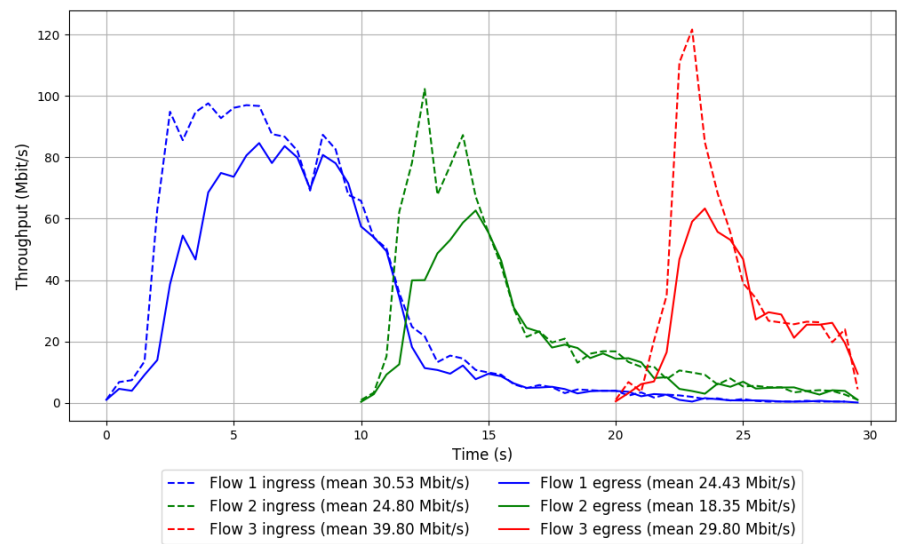


Run 4: Statistics of Indigo-calib

Start at: 2017-11-16 11:41:38
End at: 2017-11-16 11:42:08
Local clock offset: 1.229 ms
Remote clock offset: -52.361 ms

Below is generated by plot.py at 2017-11-16 14:08:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 111.799 ms
Loss rate: 22.70%
-- Flow 1:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 111.833 ms
Loss rate: 19.96%
-- Flow 2:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 111.669 ms
Loss rate: 26.02%
-- Flow 3:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 111.895 ms
Loss rate: 24.98%

Run 4: Report of Indigo-calib — Data Link

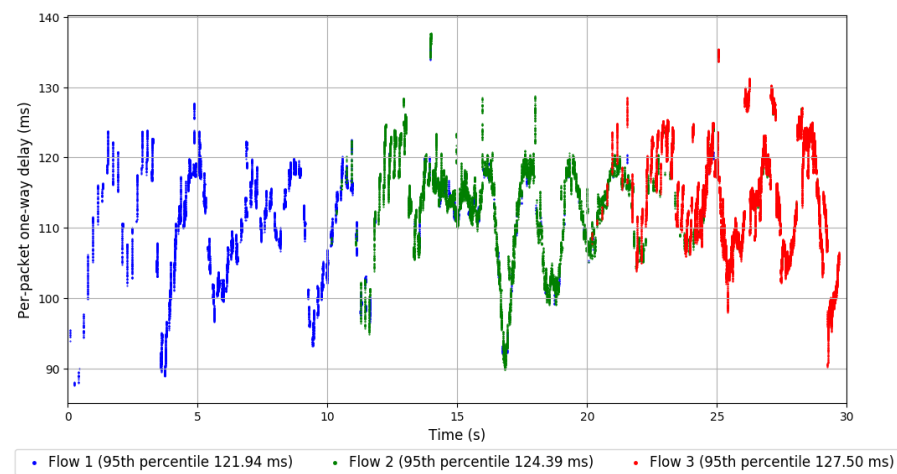
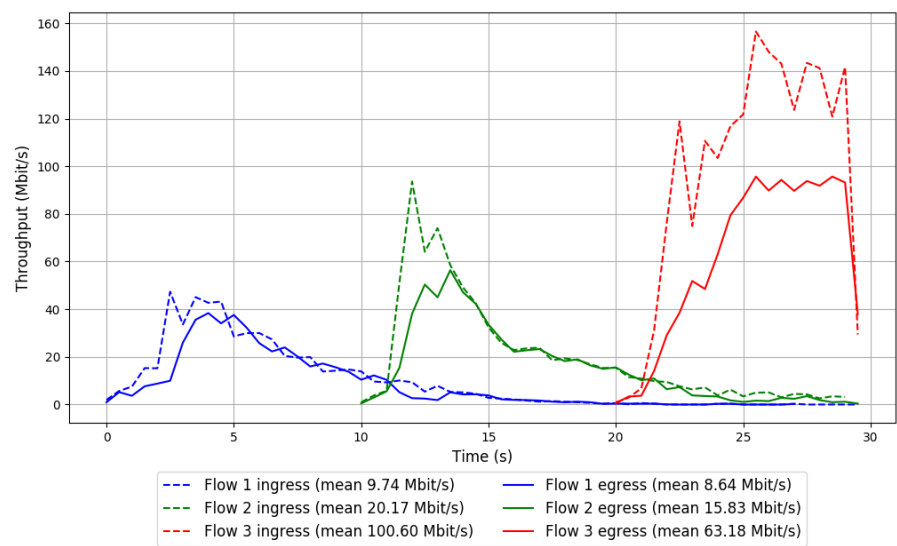


Run 5: Statistics of Indigo-calib

Start at: 2017-11-16 12:00:40
End at: 2017-11-16 12:01:10
Local clock offset: 1.138 ms
Remote clock offset: -42.724 ms

Below is generated by plot.py at 2017-11-16 14:08:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 125.057 ms
Loss rate: 30.05%
-- Flow 1:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 121.941 ms
Loss rate: 17.80%
-- Flow 2:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 124.392 ms
Loss rate: 21.56%
-- Flow 3:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 127.504 ms
Loss rate: 37.21%

Run 5: Report of Indigo-calib — Data Link

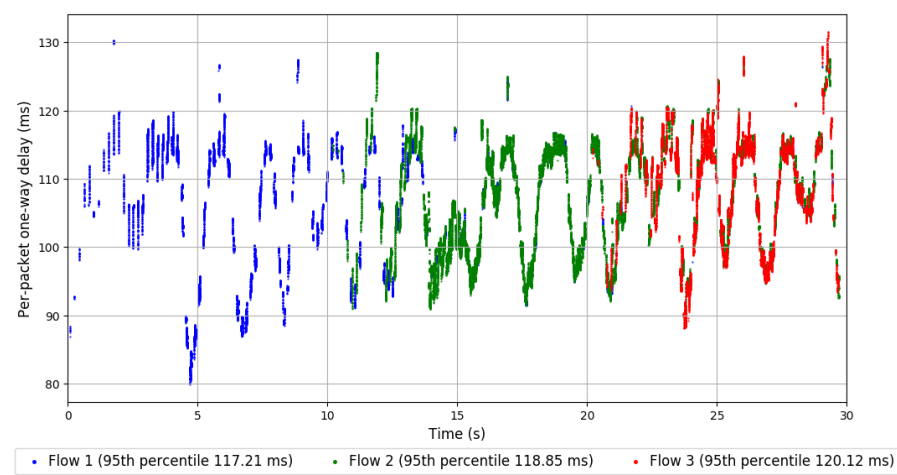
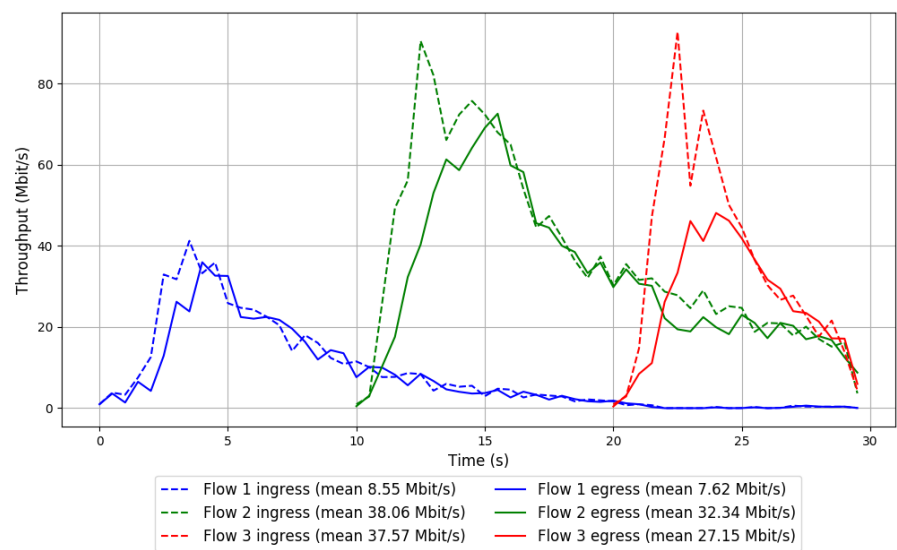


Run 6: Statistics of Indigo-calib

Start at: 2017-11-16 12:20:34
End at: 2017-11-16 12:21:04
Local clock offset: 1.055 ms
Remote clock offset: -45.66 ms

Below is generated by plot.py at 2017-11-16 14:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 119.291 ms
Loss rate: 17.67%
-- Flow 1:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 117.206 ms
Loss rate: 10.82%
-- Flow 2:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 118.846 ms
Loss rate: 15.12%
-- Flow 3:
Average throughput: 27.15 Mbit/s
95th percentile per-packet one-way delay: 120.119 ms
Loss rate: 27.88%

Run 6: Report of Indigo-calib — Data Link

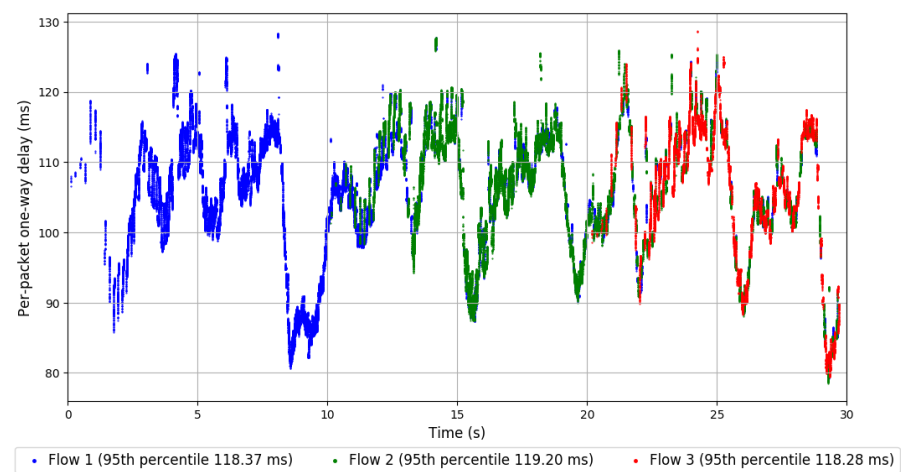
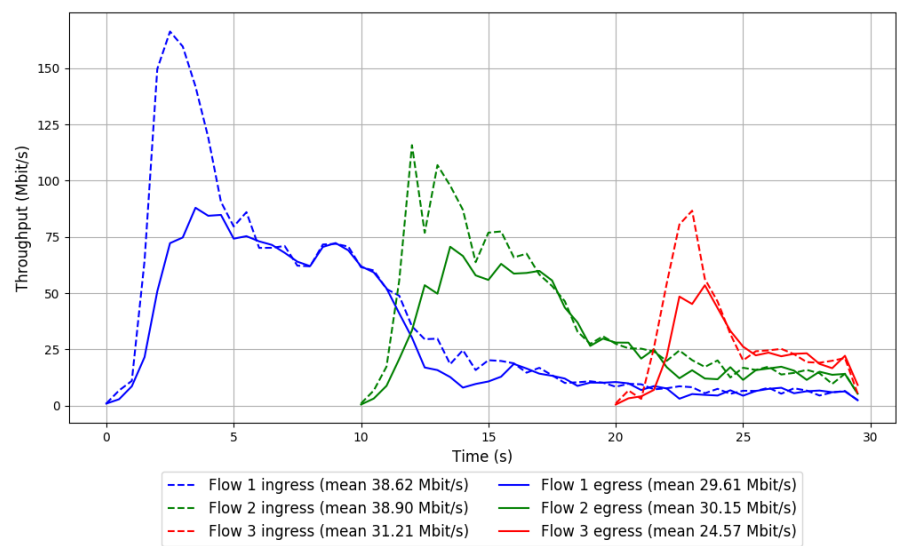


Run 7: Statistics of Indigo-calib

Start at: 2017-11-16 12:39:58
End at: 2017-11-16 12:40:28
Local clock offset: 0.75 ms
Remote clock offset: -44.299 ms

Below is generated by plot.py at 2017-11-16 14:08:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 118.855 ms
Loss rate: 22.80%
-- Flow 1:
Average throughput: 29.61 Mbit/s
95th percentile per-packet one-way delay: 118.369 ms
Loss rate: 23.36%
-- Flow 2:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 119.198 ms
Loss rate: 22.53%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 118.279 ms
Loss rate: 21.34%

Run 7: Report of Indigo-calib — Data Link

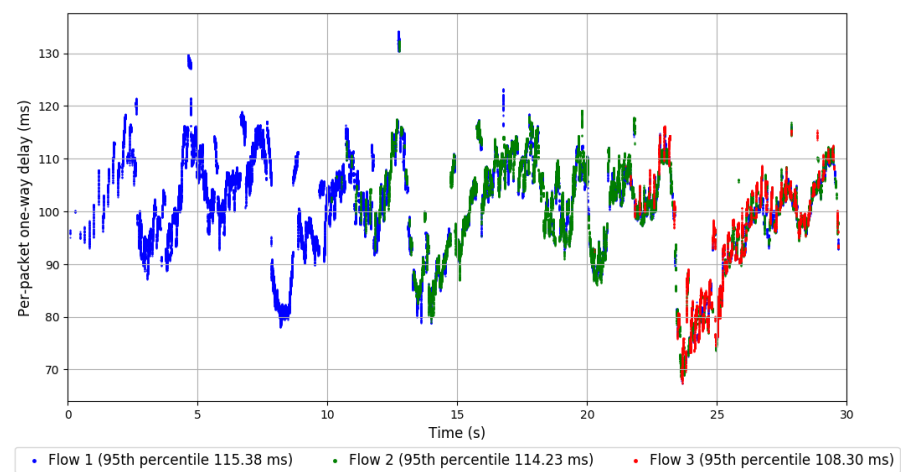
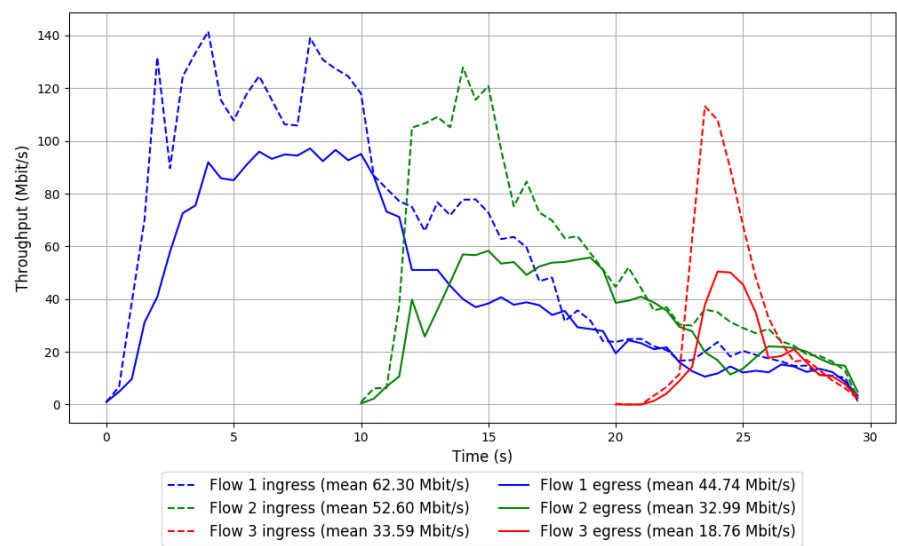


Run 8: Statistics of Indigo-calib

Start at: 2017-11-16 12:59:29
End at: 2017-11-16 12:59:59
Local clock offset: 0.553 ms
Remote clock offset: -46.762 ms

Below is generated by plot.py at 2017-11-16 14:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.44 Mbit/s
95th percentile per-packet one-way delay: 114.982 ms
Loss rate: 32.70%
-- Flow 1:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 115.379 ms
Loss rate: 28.19%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 114.232 ms
Loss rate: 37.29%
-- Flow 3:
Average throughput: 18.76 Mbit/s
95th percentile per-packet one-way delay: 108.299 ms
Loss rate: 44.13%

Run 8: Report of Indigo-calib — Data Link

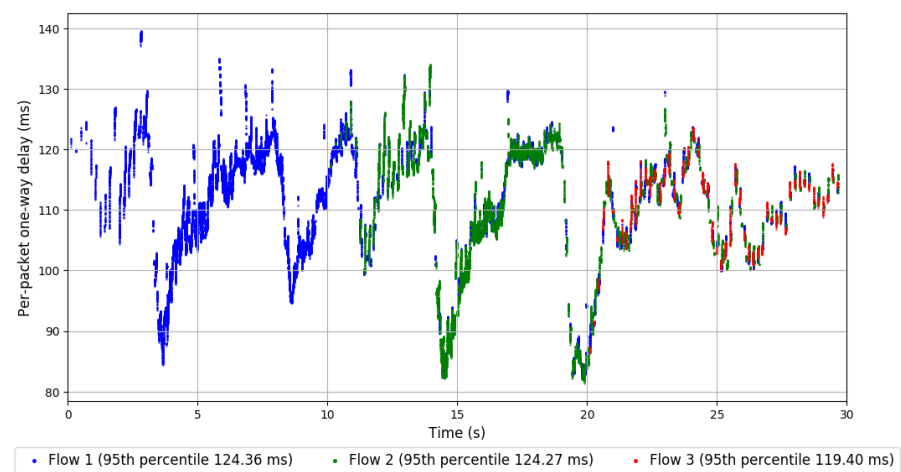
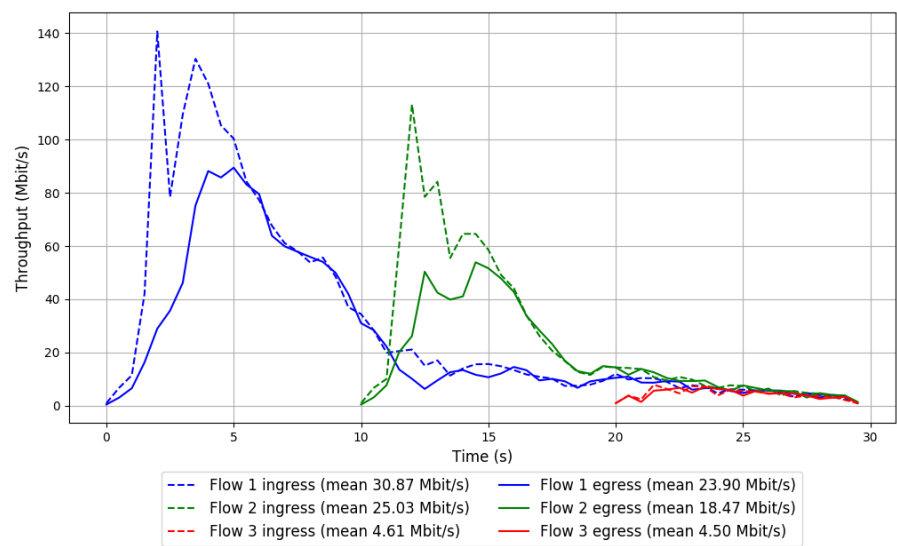


Run 9: Statistics of Indigo-calib

Start at: 2017-11-16 13:19:52
End at: 2017-11-16 13:20:22
Local clock offset: 0.985 ms
Remote clock offset: -33.705 ms

Below is generated by plot.py at 2017-11-16 14:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 124.200 ms
Loss rate: 23.21%
-- Flow 1:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 124.355 ms
Loss rate: 22.60%
-- Flow 2:
Average throughput: 18.47 Mbit/s
95th percentile per-packet one-way delay: 124.271 ms
Loss rate: 26.24%
-- Flow 3:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 119.398 ms
Loss rate: 2.03%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-11-16 13:40:18
End at: 2017-11-16 13:40:48
Local clock offset: 1.035 ms
Remote clock offset: -47.509 ms

Below is generated by plot.py at 2017-11-16 14:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.08 Mbit/s
95th percentile per-packet one-way delay: 112.463 ms
Loss rate: 15.80%
-- Flow 1:
Average throughput: 19.11 Mbit/s
95th percentile per-packet one-way delay: 112.438 ms
Loss rate: 15.59%
-- Flow 2:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 113.113 ms
Loss rate: 19.91%
-- Flow 3:
Average throughput: 34.85 Mbit/s
95th percentile per-packet one-way delay: 111.662 ms
Loss rate: 12.65%

Run 10: Report of Indigo-calib — Data Link

