

Pantheon Report

Generated at 2018-02-21 00:20:40 (UTC).

Data path: AWS California 1 Ethernet (*local*) → Stanford Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

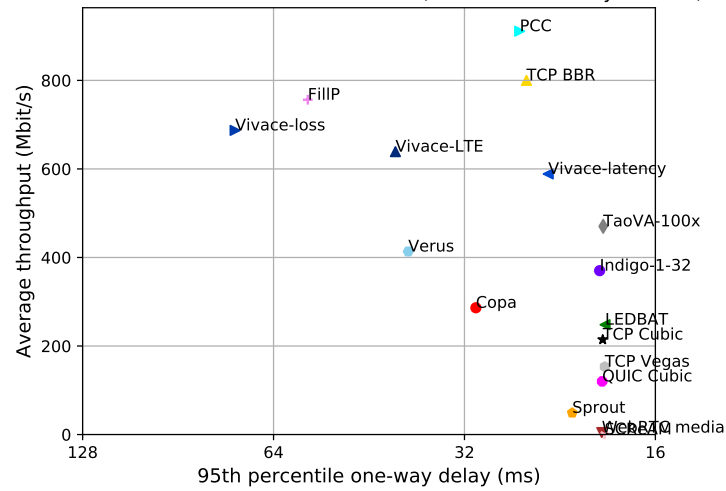
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

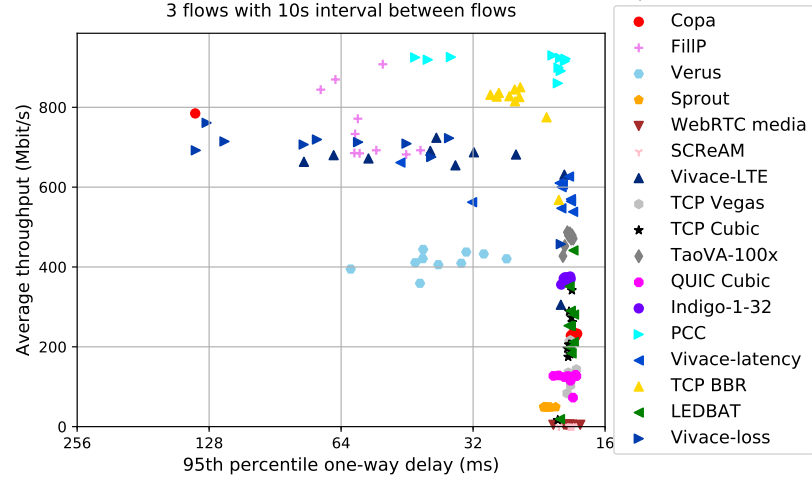
Git summary:

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

test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



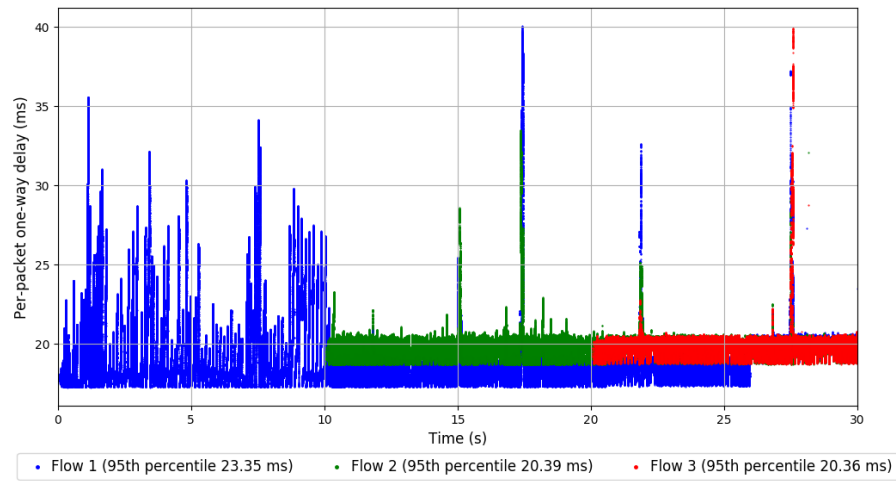
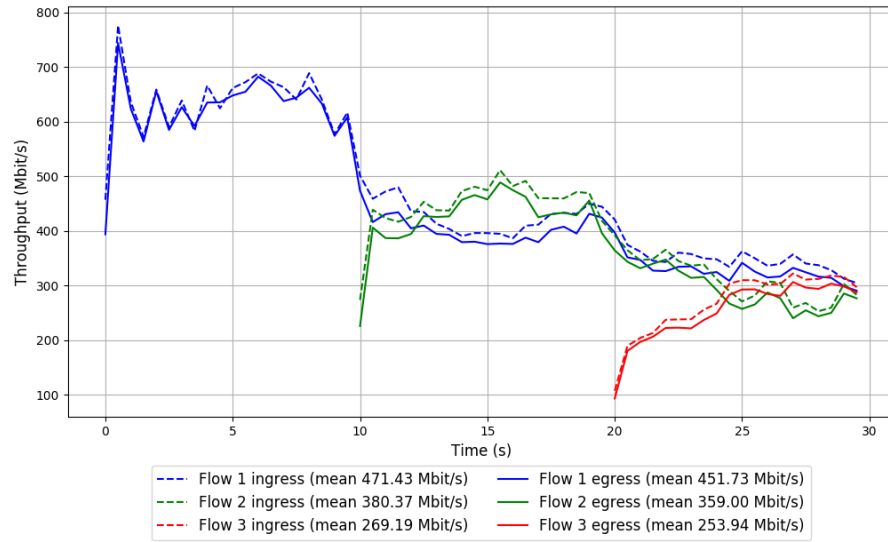
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	462.19	367.45	280.75	28.75	20.22	20.15	3.62	5.47	6.73
TCP Cubic	10	95.37	106.29	145.39	19.29	19.30	19.59	0.24	0.26	0.54
LEDBAT	10	133.67	120.07	104.11	19.01	19.10	19.19	0.18	0.23	0.23
PCC	10	811.54	119.22	61.85	26.97	19.79	19.96	0.47	0.33	0.39
QUIC Cubic	10	61.80	61.91	52.66	19.32	19.32	19.70	0.02	0.02	0.04
SCReAM	10	0.21	0.21	0.21	19.24	18.95	18.68	0.17	0.12	0.20
WebRTC media	10	2.18	1.58	0.72	19.15	19.33	20.03	0.00	0.02	0.04
Sprout	10	24.66	24.56	24.39	21.57	21.61	21.03	0.09	0.08	0.09
TaoVA-100x	10	239.45	239.23	220.79	18.90	19.28	19.83	0.05	0.03	0.03
TCP Vegas	10	73.48	79.29	81.11	18.82	19.03	19.34	0.03	0.31	0.16
Verus	10	210.55	214.89	184.03	46.35	33.49	27.68	16.76	18.32	15.54
Copa	10	148.99	149.29	114.38	32.86	18.86	18.55	4.67	5.20	5.88
FillP	10	428.68	305.23	375.64	56.17	54.67	37.00	7.07	11.95	13.17
Indigo-1-32	10	191.72	185.23	174.38	19.35	19.19	20.13	0.27	0.33	0.40
Vivace-latency	10	351.47	305.12	104.53	30.22	19.63	19.38	0.13	0.20	0.14
Vivace-loss	10	410.35	334.41	165.38	88.01	28.92	19.94	2.05	1.64	2.49
Vivace-LTE	10	384.86	323.35	119.30	60.91	21.57	18.82	0.48	0.66	0.80

Run 1: Statistics of TCP BBR

Start at: 2018-02-20 14:45:48
End at: 2018-02-20 14:46:18
Local clock offset: 4.047 ms
Remote clock offset: -6.603 ms

Below is generated by plot.py at 2018-02-20 22:19:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 775.00 Mbit/s
95th percentile per-packet one-way delay: 21.755 ms
Loss rate: 4.79%
-- Flow 1:
Average throughput: 451.73 Mbit/s
95th percentile per-packet one-way delay: 23.351 ms
Loss rate: 4.17%
-- Flow 2:
Average throughput: 359.00 Mbit/s
95th percentile per-packet one-way delay: 20.392 ms
Loss rate: 5.63%
-- Flow 3:
Average throughput: 253.94 Mbit/s
95th percentile per-packet one-way delay: 20.357 ms
Loss rate: 5.68%

Run 1: Report of TCP BBR — Data Link

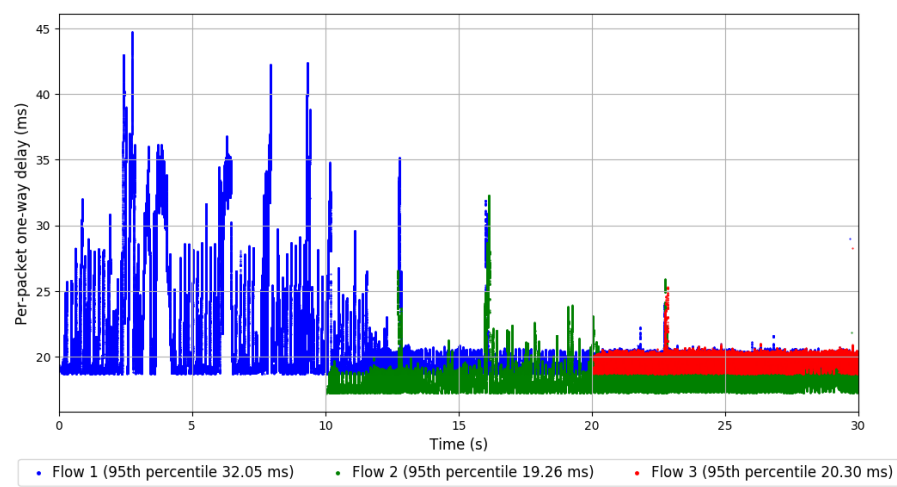
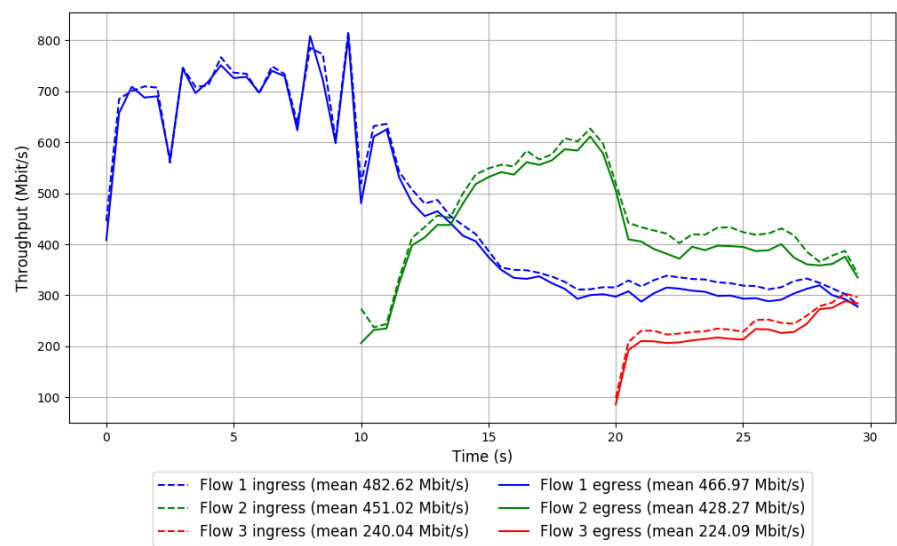


Run 2: Statistics of TCP BBR

Start at: 2018-02-20 15:15:12
End at: 2018-02-20 15:15:42
Local clock offset: 5.106 ms
Remote clock offset: -6.669 ms

Below is generated by plot.py at 2018-02-20 22:19:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 826.84 Mbit/s
95th percentile per-packet one-way delay: 28.262 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 466.97 Mbit/s
95th percentile per-packet one-way delay: 32.055 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 428.27 Mbit/s
95th percentile per-packet one-way delay: 19.258 ms
Loss rate: 5.05%
-- Flow 3:
Average throughput: 224.09 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 6.64%

Run 2: Report of TCP BBR — Data Link

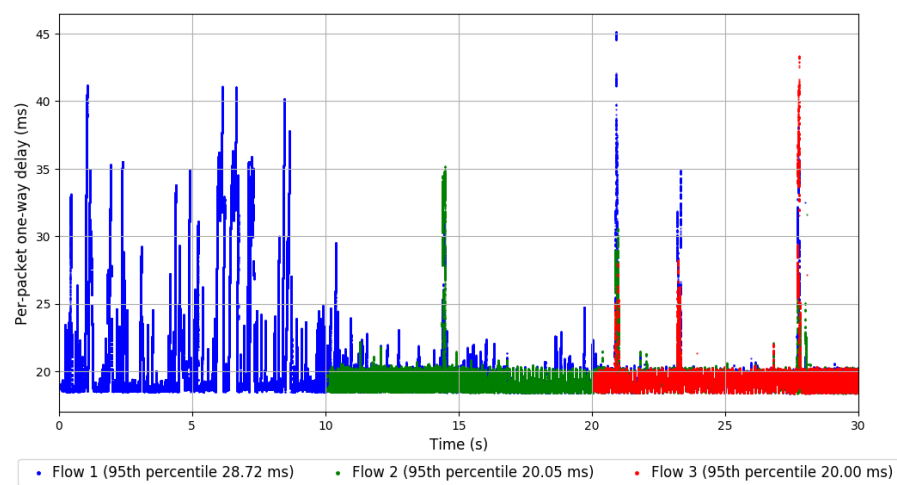
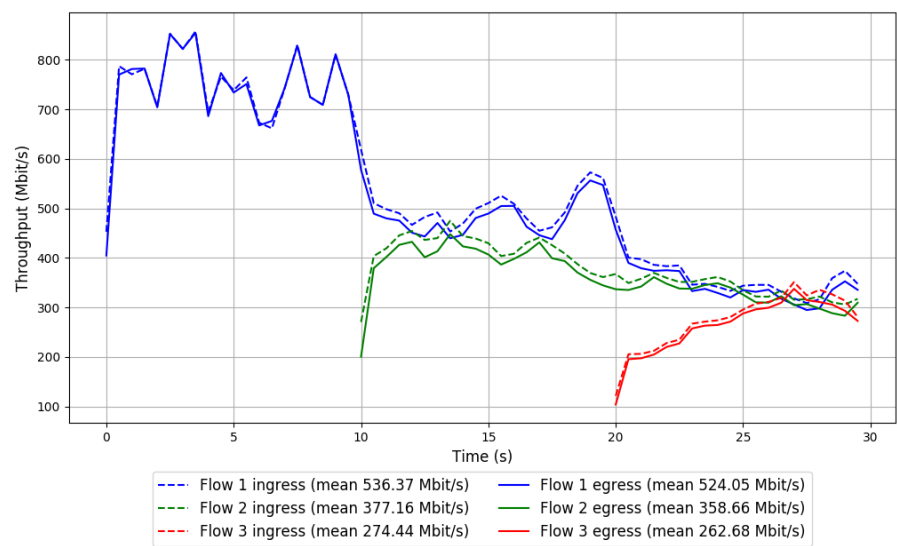


Run 3: Statistics of TCP BBR

Start at: 2018-02-20 15:44:30
End at: 2018-02-20 15:45:00
Local clock offset: 0.966 ms
Remote clock offset: -6.425 ms

Below is generated by plot.py at 2018-02-20 22:20:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 850.25 Mbit/s
95th percentile per-packet one-way delay: 24.977 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 524.05 Mbit/s
95th percentile per-packet one-way delay: 28.722 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 358.66 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 4.90%
-- Flow 3:
Average throughput: 262.68 Mbit/s
95th percentile per-packet one-way delay: 20.005 ms
Loss rate: 4.27%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-02-20 16:13:32

End at: 2018-02-20 16:14:02

Local clock offset: 1.417 ms

Remote clock offset: -3.77 ms

Below is generated by plot.py at 2018-02-20 22:20:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 844.70 Mbit/s

95th percentile per-packet one-way delay: 25.722 ms

Loss rate: 2.70%

-- Flow 1:

Average throughput: 457.97 Mbit/s

95th percentile per-packet one-way delay: 29.639 ms

Loss rate: 2.10%

-- Flow 2:

Average throughput: 431.49 Mbit/s

95th percentile per-packet one-way delay: 21.952 ms

Loss rate: 3.11%

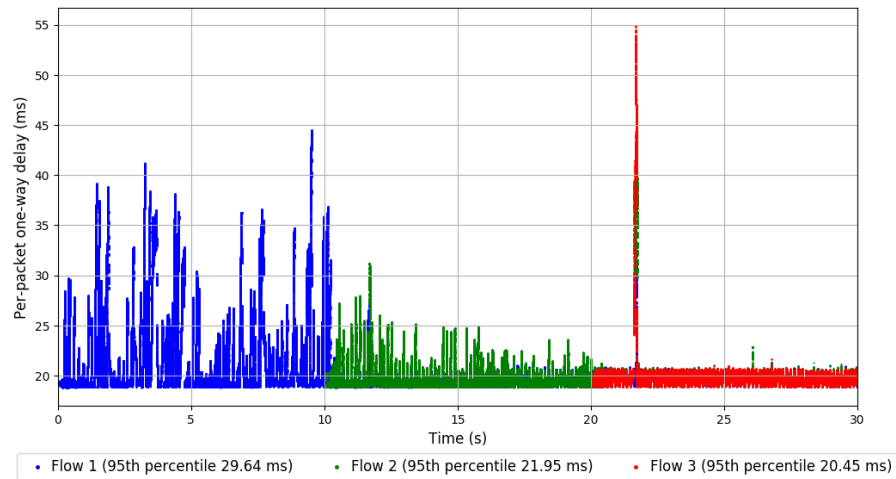
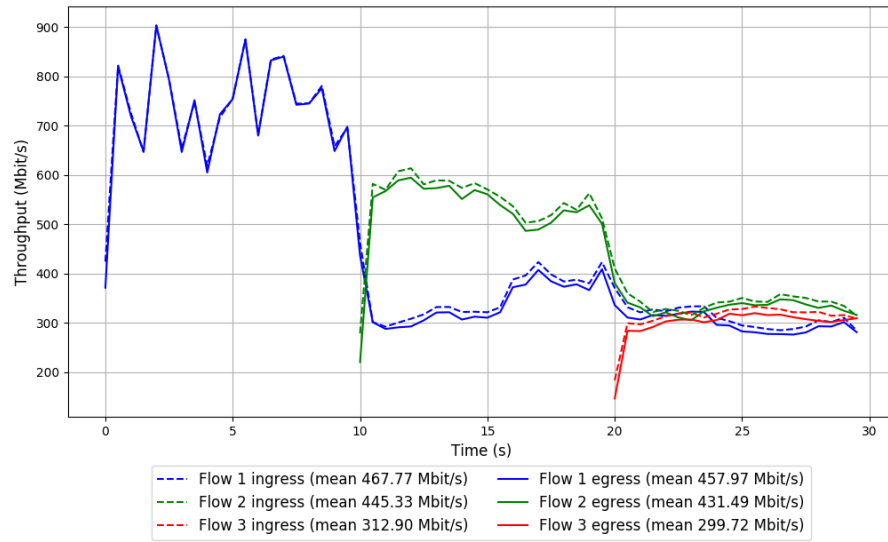
-- Flow 3:

Average throughput: 299.72 Mbit/s

95th percentile per-packet one-way delay: 20.453 ms

Loss rate: 4.22%

Run 4: Report of TCP BBR — Data Link

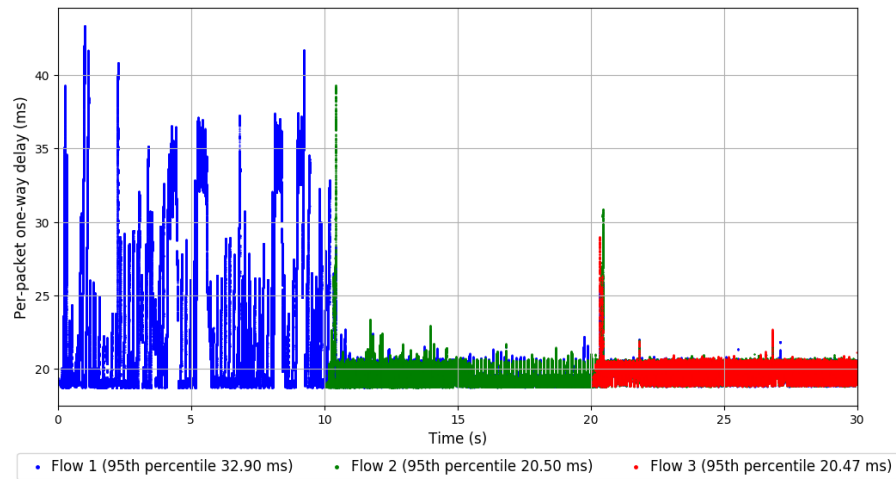
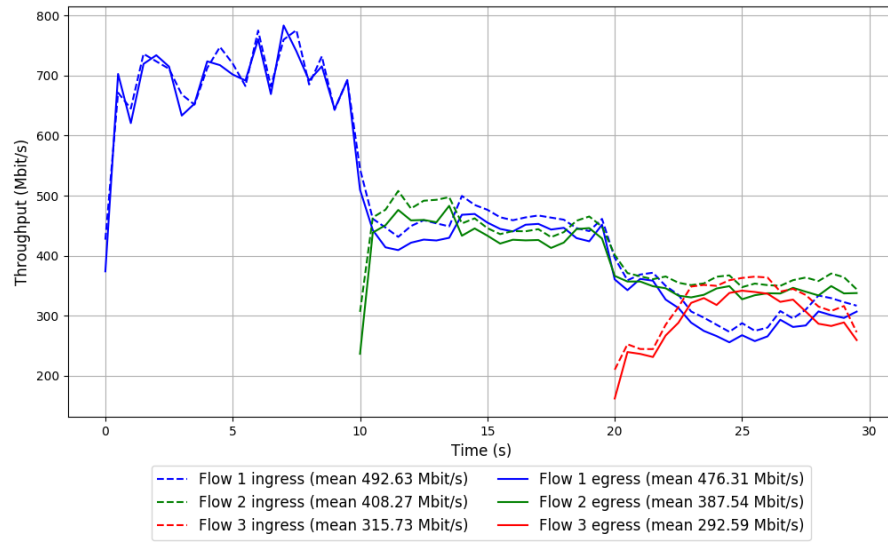


Run 5: Statistics of TCP BBR

Start at: 2018-02-20 16:42:33
End at: 2018-02-20 16:43:03
Local clock offset: 4.022 ms
Remote clock offset: -3.018 ms

Below is generated by plot.py at 2018-02-20 22:20:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 831.43 Mbit/s
95th percentile per-packet one-way delay: 29.215 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 476.31 Mbit/s
95th percentile per-packet one-way delay: 32.904 ms
Loss rate: 3.31%
-- Flow 2:
Average throughput: 387.54 Mbit/s
95th percentile per-packet one-way delay: 20.497 ms
Loss rate: 5.08%
-- Flow 3:
Average throughput: 292.59 Mbit/s
95th percentile per-packet one-way delay: 20.473 ms
Loss rate: 7.32%

Run 5: Report of TCP BBR — Data Link

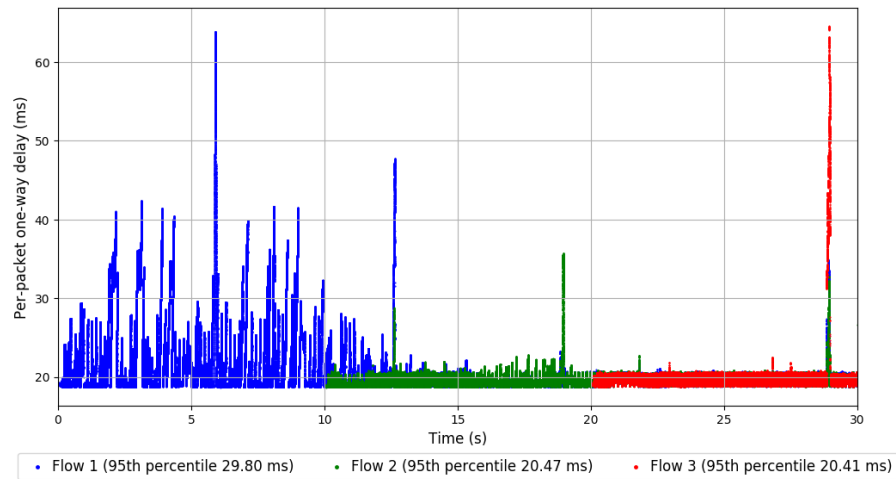
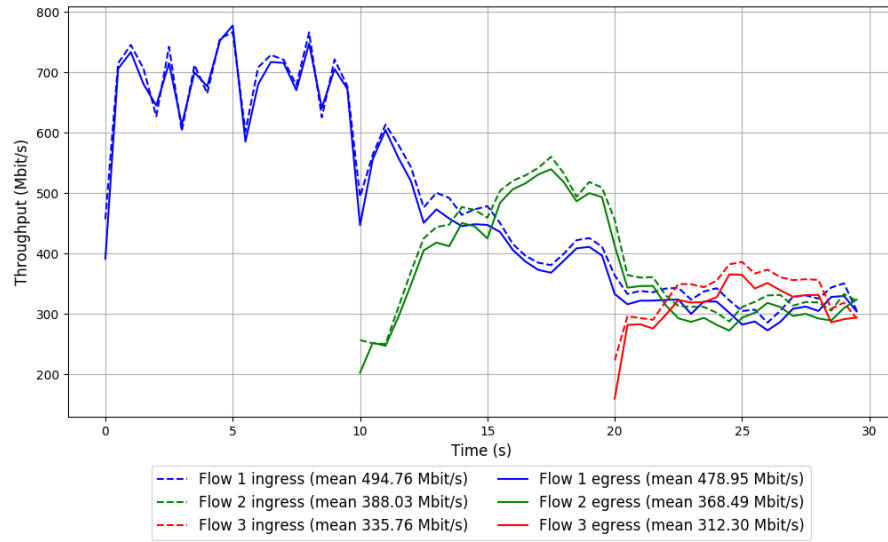


Run 6: Statistics of TCP BBR

Start at: 2018-02-20 17:11:54
End at: 2018-02-20 17:12:24
Local clock offset: 6.631 ms
Remote clock offset: -6.253 ms

Below is generated by plot.py at 2018-02-20 22:20:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 827.81 Mbit/s
95th percentile per-packet one-way delay: 26.445 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 478.95 Mbit/s
95th percentile per-packet one-way delay: 29.796 ms
Loss rate: 3.20%
-- Flow 2:
Average throughput: 368.49 Mbit/s
95th percentile per-packet one-way delay: 20.471 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 312.30 Mbit/s
95th percentile per-packet one-way delay: 20.413 ms
Loss rate: 6.99%

Run 6: Report of TCP BBR — Data Link

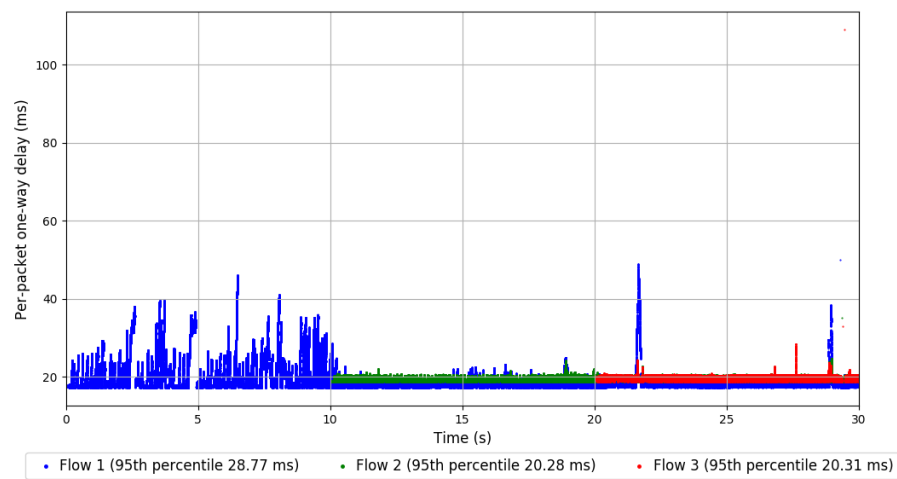
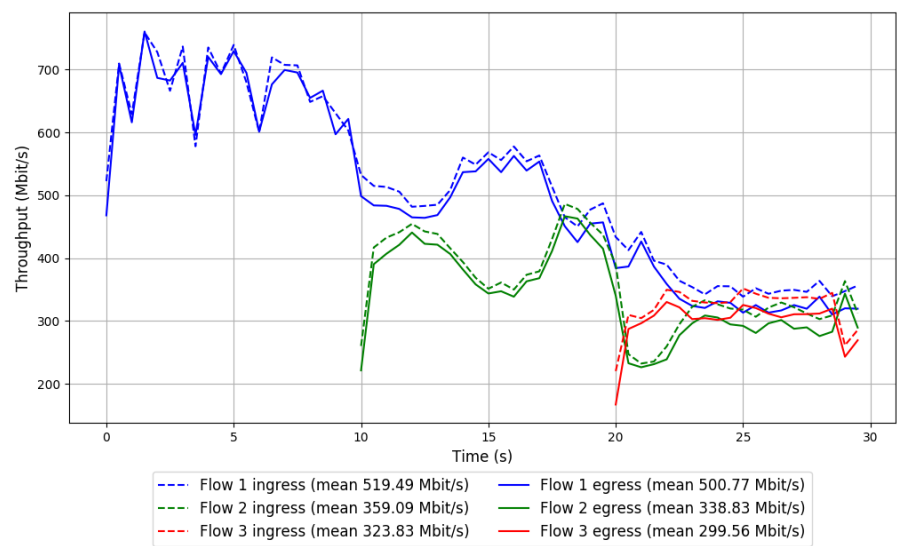


Run 7: Statistics of TCP BBR

Start at: 2018-02-20 17:41:04
End at: 2018-02-20 17:41:34
Local clock offset: 8.018 ms
Remote clock offset: -6.738 ms

Below is generated by plot.py at 2018-02-20 22:20:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 825.77 Mbit/s
95th percentile per-packet one-way delay: 25.102 ms
Loss rate: 4.65%
-- Flow 1:
Average throughput: 500.77 Mbit/s
95th percentile per-packet one-way delay: 28.770 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 338.83 Mbit/s
95th percentile per-packet one-way delay: 20.283 ms
Loss rate: 5.64%
-- Flow 3:
Average throughput: 299.56 Mbit/s
95th percentile per-packet one-way delay: 20.306 ms
Loss rate: 7.50%

Run 7: Report of TCP BBR — Data Link

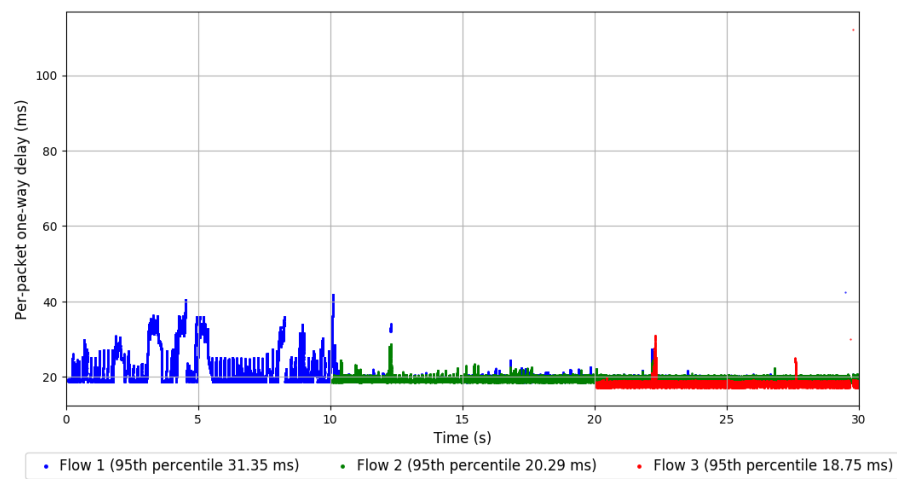
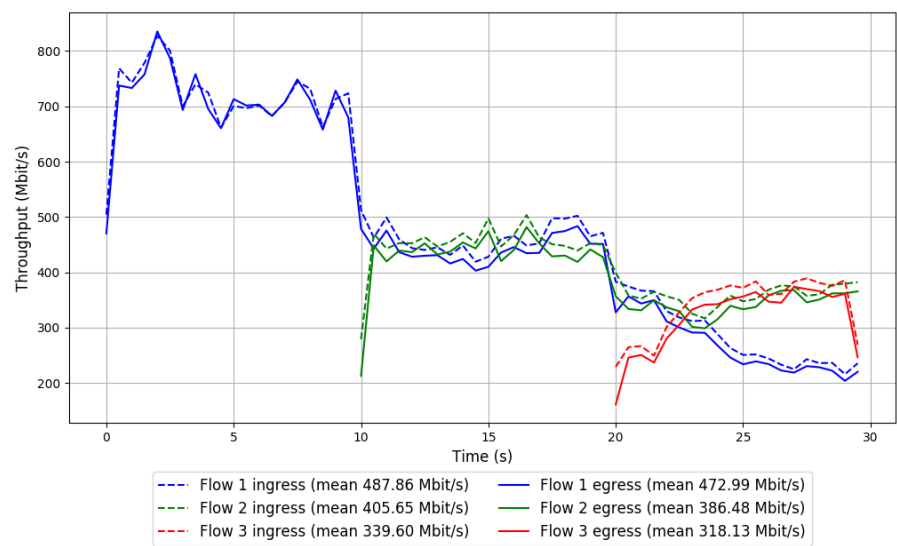


Run 8: Statistics of TCP BBR

Start at: 2018-02-20 18:10:10
End at: 2018-02-20 18:10:40
Local clock offset: -2.462 ms
Remote clock offset: -6.062 ms

Below is generated by plot.py at 2018-02-20 22:20:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 836.01 Mbit/s
95th percentile per-packet one-way delay: 27.948 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 472.99 Mbit/s
95th percentile per-packet one-way delay: 31.350 ms
Loss rate: 3.05%
-- Flow 2:
Average throughput: 386.48 Mbit/s
95th percentile per-packet one-way delay: 20.286 ms
Loss rate: 4.72%
-- Flow 3:
Average throughput: 318.13 Mbit/s
95th percentile per-packet one-way delay: 18.751 ms
Loss rate: 6.32%

Run 8: Report of TCP BBR — Data Link

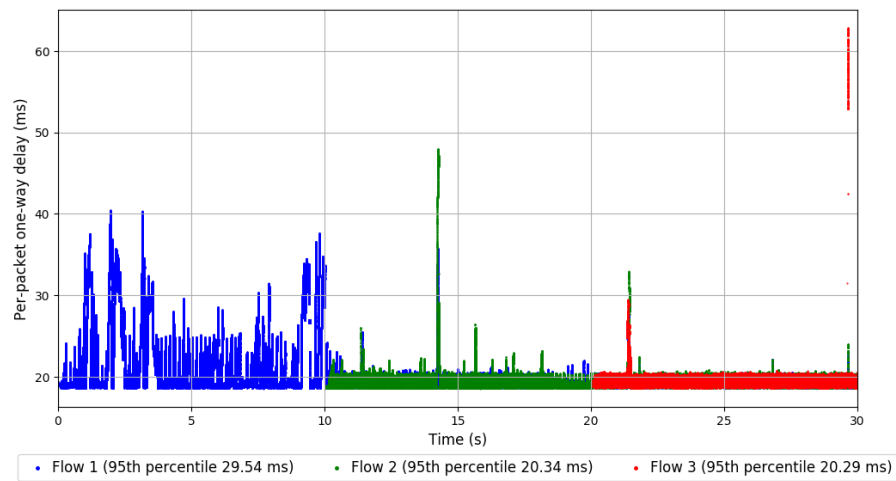
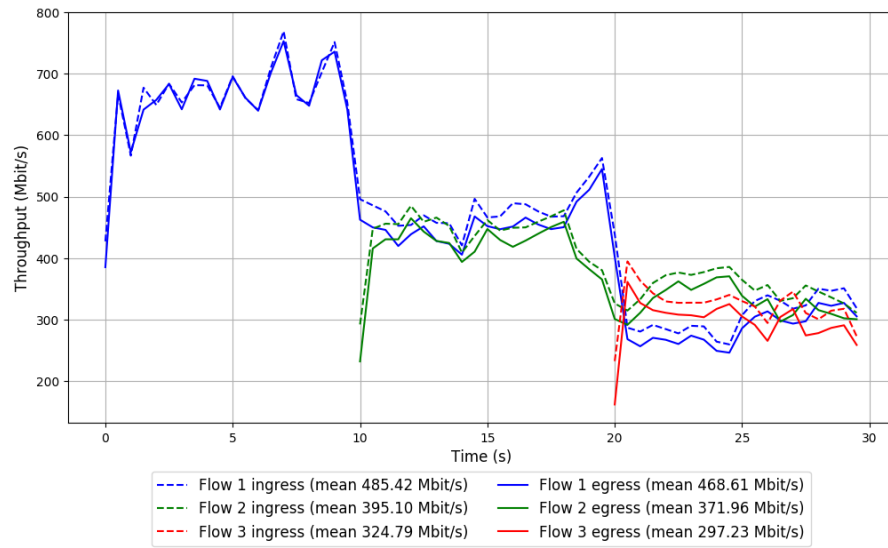


Run 9: Statistics of TCP BBR

Start at: 2018-02-20 18:39:20
End at: 2018-02-20 18:39:50
Local clock offset: -1.148 ms
Remote clock offset: -5.332 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 814.84 Mbit/s
95th percentile per-packet one-way delay: 25.678 ms
Loss rate: 4.83%
-- Flow 1:
Average throughput: 468.61 Mbit/s
95th percentile per-packet one-way delay: 29.535 ms
Loss rate: 3.46%
-- Flow 2:
Average throughput: 371.96 Mbit/s
95th percentile per-packet one-way delay: 20.341 ms
Loss rate: 5.85%
-- Flow 3:
Average throughput: 297.23 Mbit/s
95th percentile per-packet one-way delay: 20.288 ms
Loss rate: 8.48%

Run 9: Report of TCP BBR — Data Link

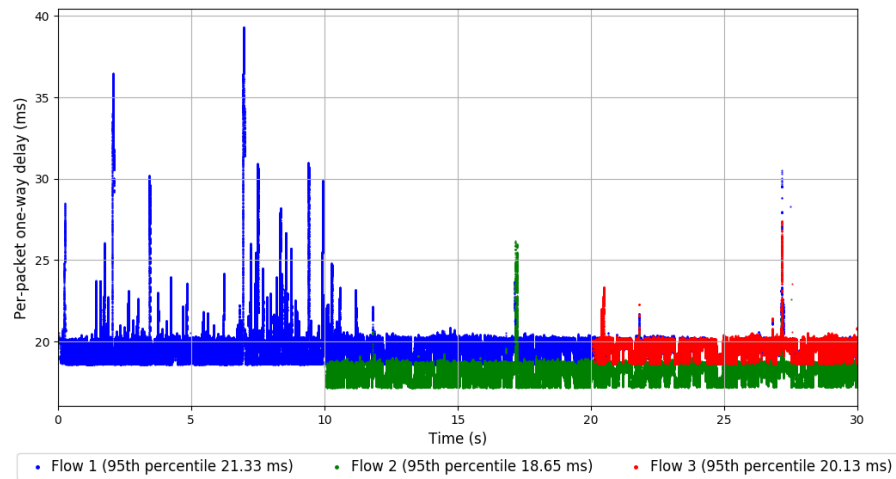
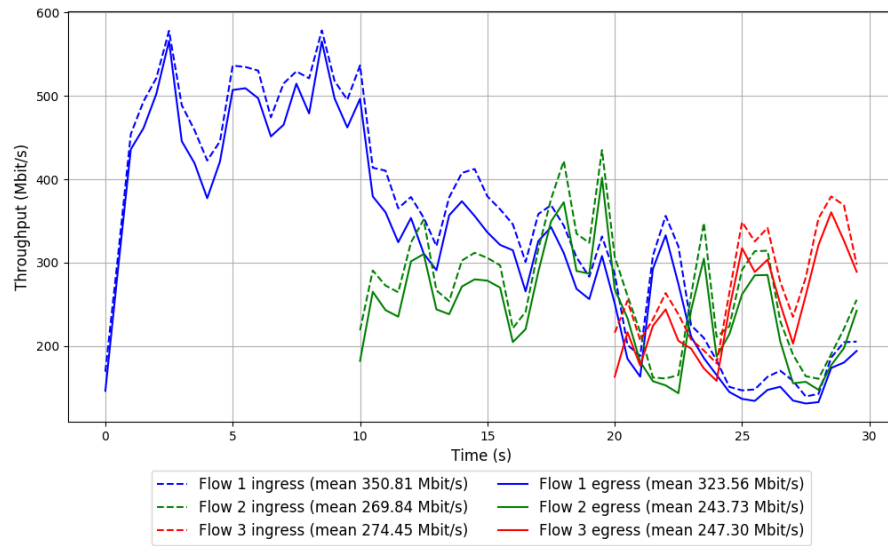


Run 10: Statistics of TCP BBR

Start at: 2018-02-20 19:08:34
End at: 2018-02-20 19:09:04
Local clock offset: 0.712 ms
Remote clock offset: -4.765 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 568.10 Mbit/s
95th percentile per-packet one-way delay: 20.396 ms
Loss rate: 8.64%
-- Flow 1:
Average throughput: 323.56 Mbit/s
95th percentile per-packet one-way delay: 21.333 ms
Loss rate: 7.77%
-- Flow 2:
Average throughput: 243.73 Mbit/s
95th percentile per-packet one-way delay: 18.649 ms
Loss rate: 9.68%
-- Flow 3:
Average throughput: 247.30 Mbit/s
95th percentile per-packet one-way delay: 20.134 ms
Loss rate: 9.91%

Run 10: Report of TCP BBR — Data Link

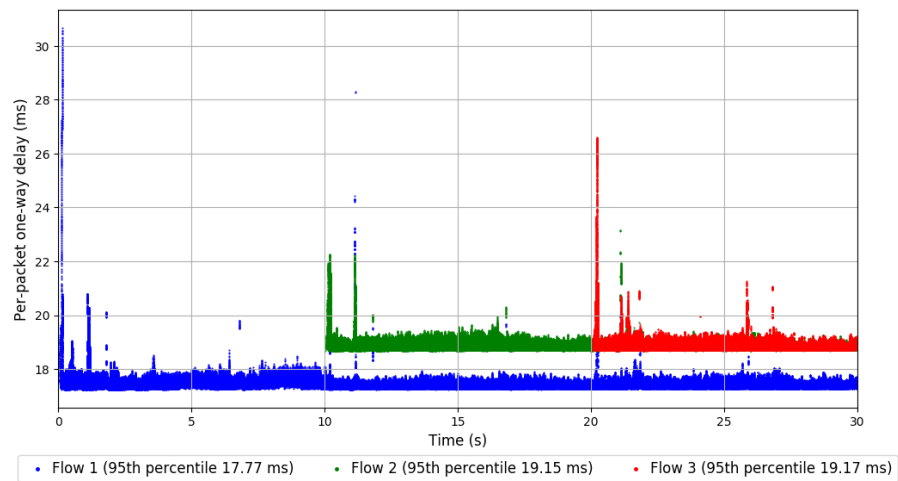
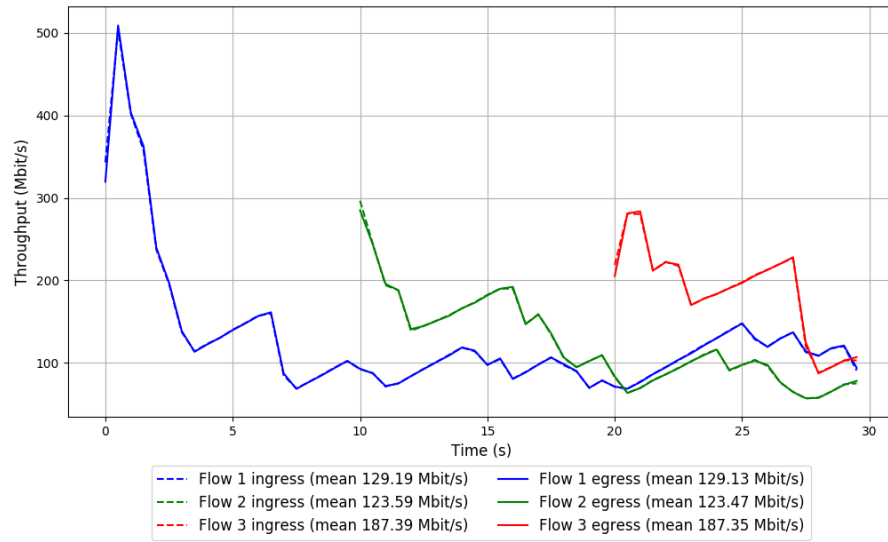


Run 1: Statistics of TCP Cubic

Start at: 2018-02-20 14:47:44
End at: 2018-02-20 14:48:14
Local clock offset: 4.24 ms
Remote clock offset: -6.546 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.52 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 129.13 Mbit/s
95th percentile per-packet one-way delay: 17.774 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 123.47 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 187.35 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link

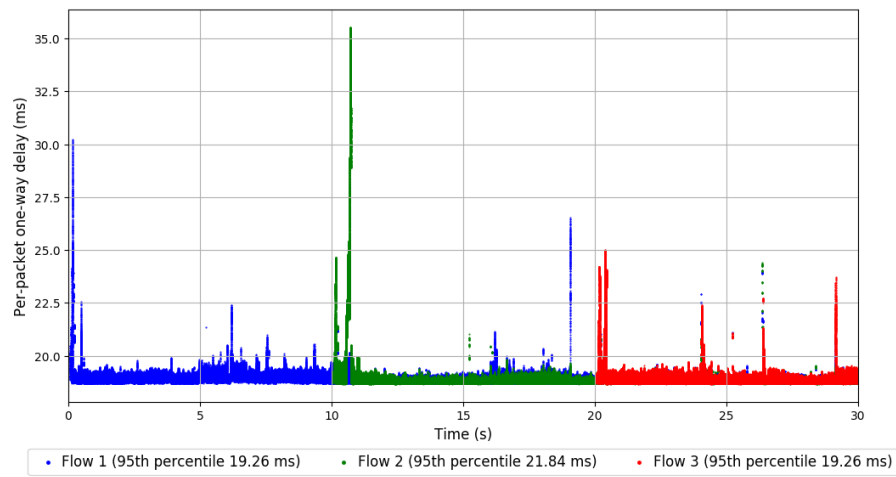
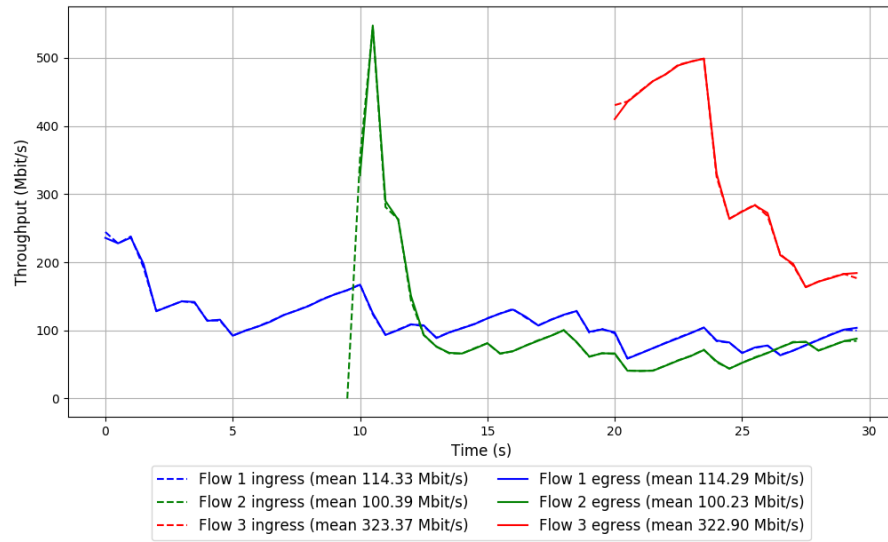


Run 2: Statistics of TCP Cubic

Start at: 2018-02-20 15:17:09
End at: 2018-02-20 15:17:39
Local clock offset: 5.263 ms
Remote clock offset: -6.541 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.40 Mbit/s
95th percentile per-packet one-way delay: 19.335 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 114.29 Mbit/s
95th percentile per-packet one-way delay: 19.257 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 100.23 Mbit/s
95th percentile per-packet one-way delay: 21.839 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 322.90 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.14%

Run 2: Report of TCP Cubic — Data Link

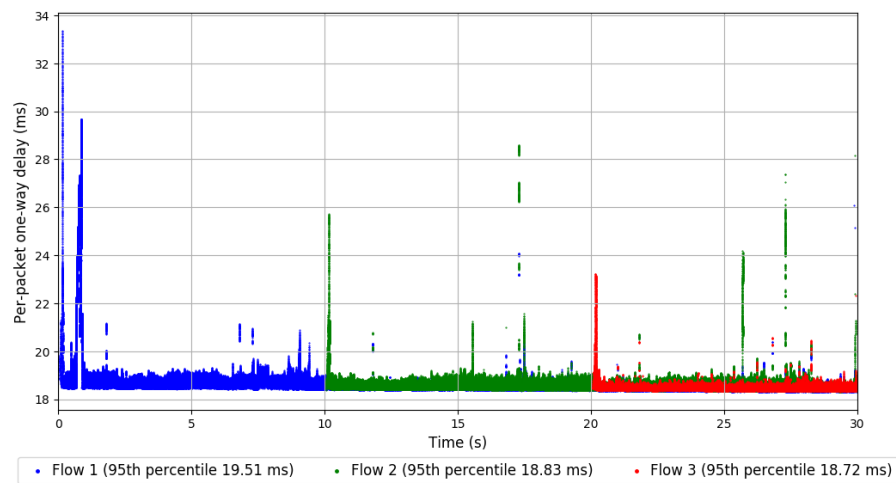
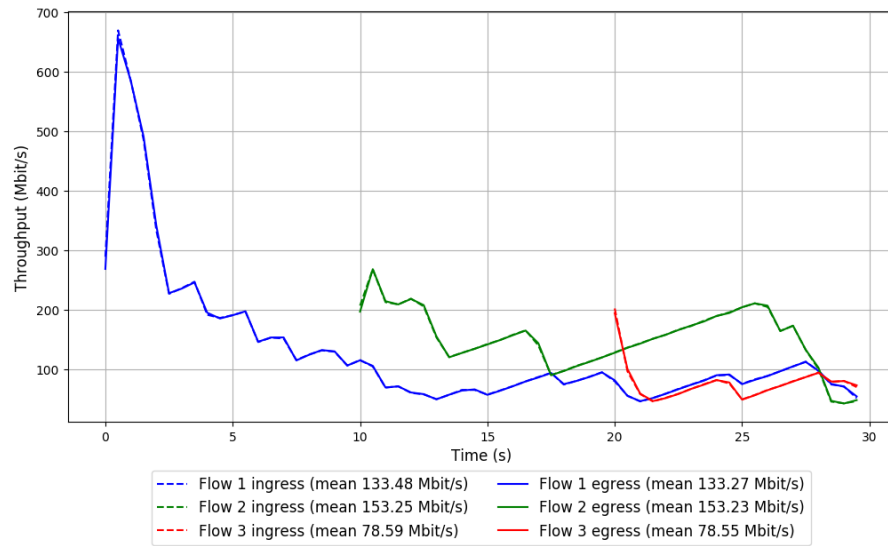


Run 3: Statistics of TCP Cubic

Start at: 2018-02-20 15:46:27
End at: 2018-02-20 15:46:57
Local clock offset: 0.691 ms
Remote clock offset: -6.068 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 261.36 Mbit/s
95th percentile per-packet one-way delay: 19.015 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 133.27 Mbit/s
95th percentile per-packet one-way delay: 19.509 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 153.23 Mbit/s
95th percentile per-packet one-way delay: 18.829 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 78.55 Mbit/s
95th percentile per-packet one-way delay: 18.718 ms
Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link

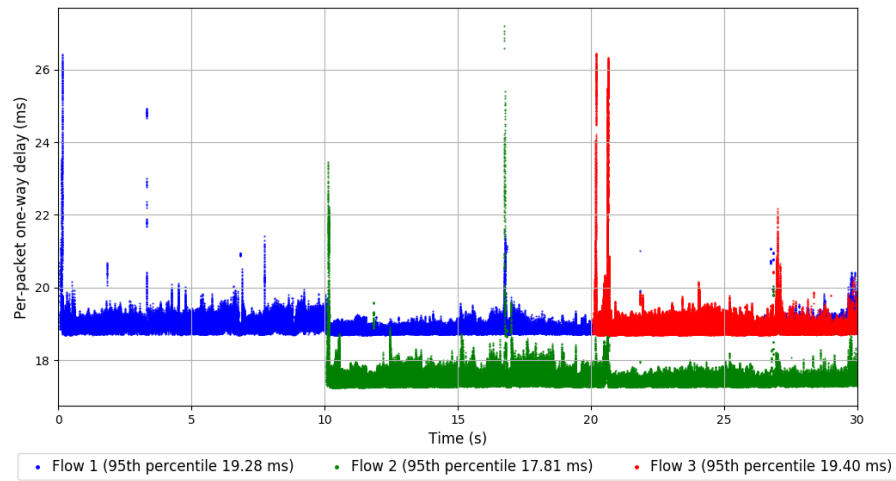
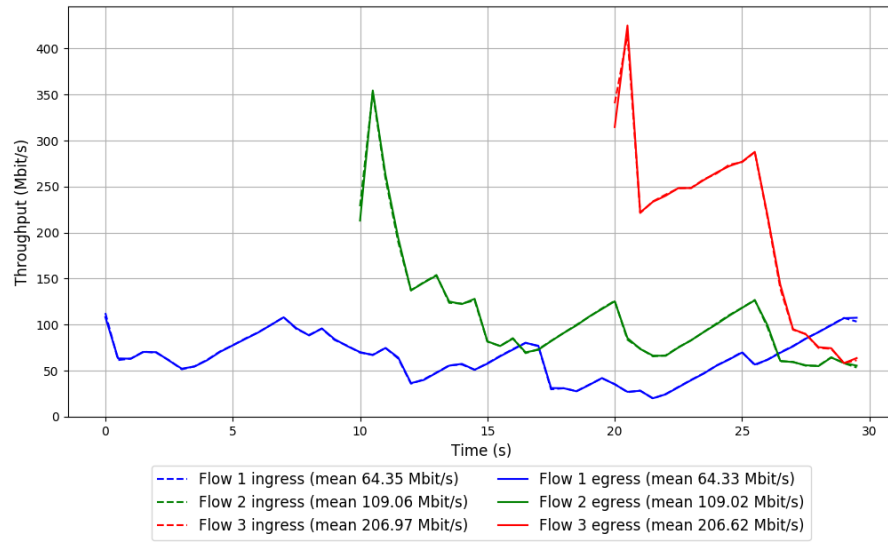


Run 4: Statistics of TCP Cubic

Start at: 2018-02-20 16:15:27
End at: 2018-02-20 16:15:57
Local clock offset: 1.686 ms
Remote clock offset: -3.785 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 205.50 Mbit/s
95th percentile per-packet one-way delay: 19.239 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 64.33 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 109.02 Mbit/s
95th percentile per-packet one-way delay: 17.807 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 206.62 Mbit/s
95th percentile per-packet one-way delay: 19.400 ms
Loss rate: 0.16%

Run 4: Report of TCP Cubic — Data Link

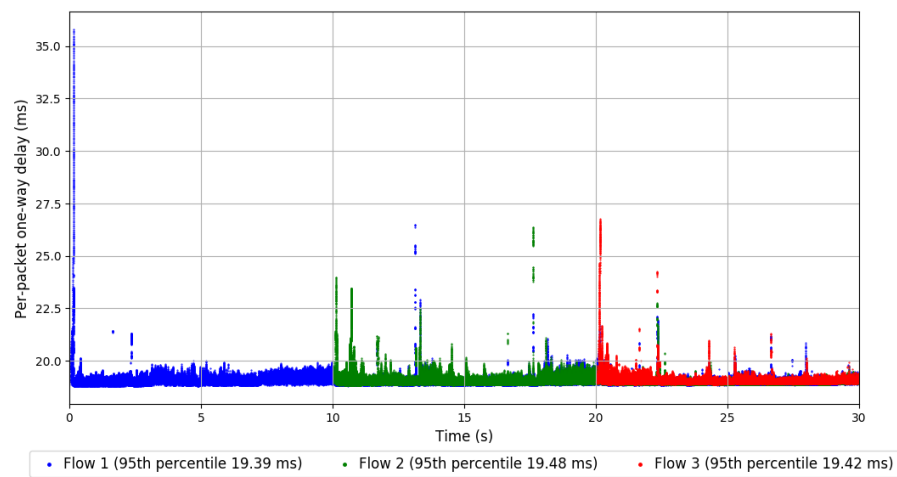
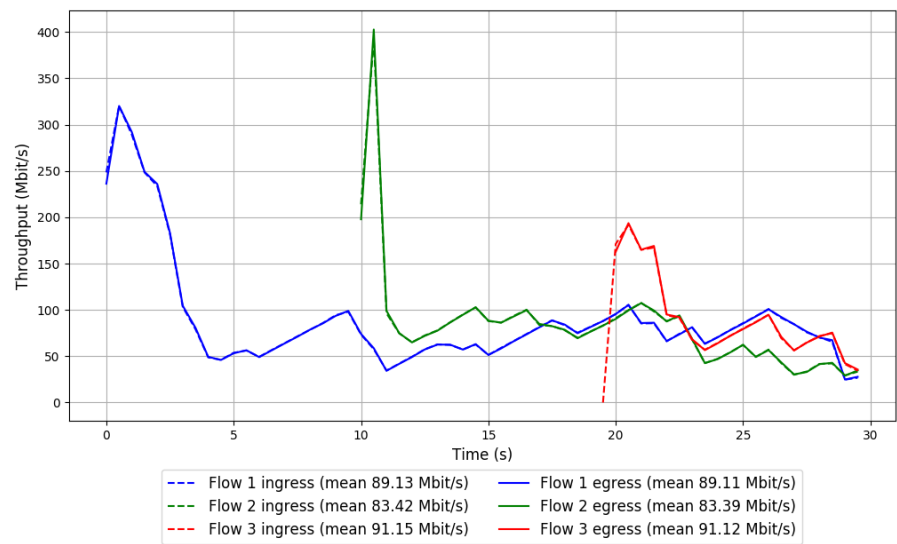


Run 5: Statistics of TCP Cubic

Start at: 2018-02-20 16:44:31
End at: 2018-02-20 16:45:01
Local clock offset: 4.416 ms
Remote clock offset: -2.836 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 174.96 Mbit/s
95th percentile per-packet one-way delay: 19.420 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 83.39 Mbit/s
95th percentile per-packet one-way delay: 19.485 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 19.424 ms
Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link

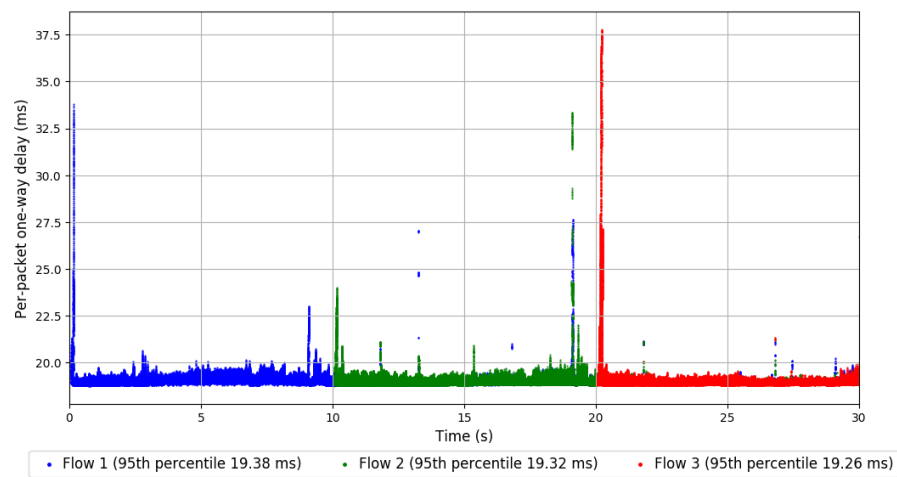
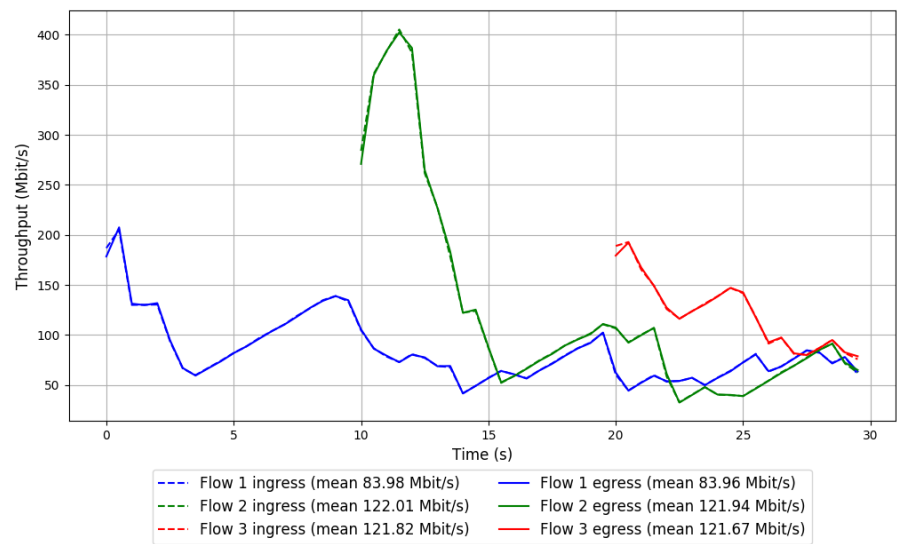


Run 6: Statistics of TCP Cubic

Start at: 2018-02-20 17:13:54
End at: 2018-02-20 17:14:24
Local clock offset: 6.806 ms
Remote clock offset: -6.252 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 205.64 Mbit/s
95th percentile per-packet one-way delay: 19.345 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 83.96 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 121.94 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 121.67 Mbit/s
95th percentile per-packet one-way delay: 19.263 ms
Loss rate: 0.12%

Run 6: Report of TCP Cubic — Data Link

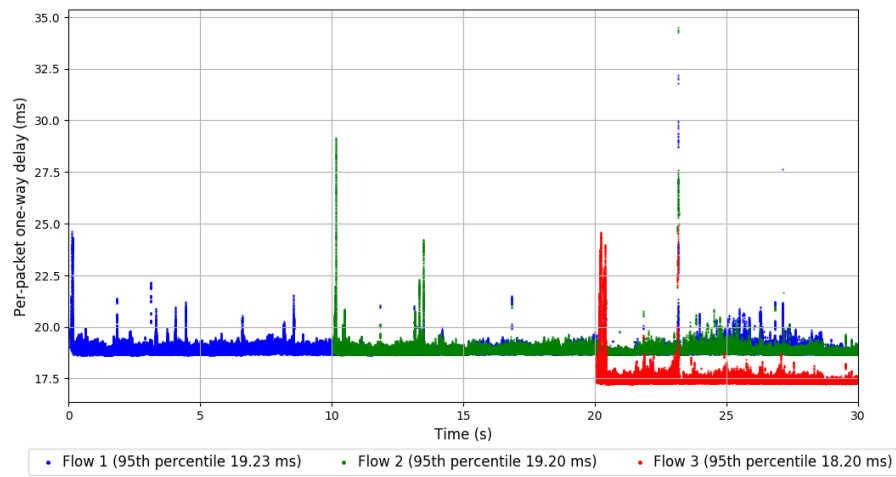
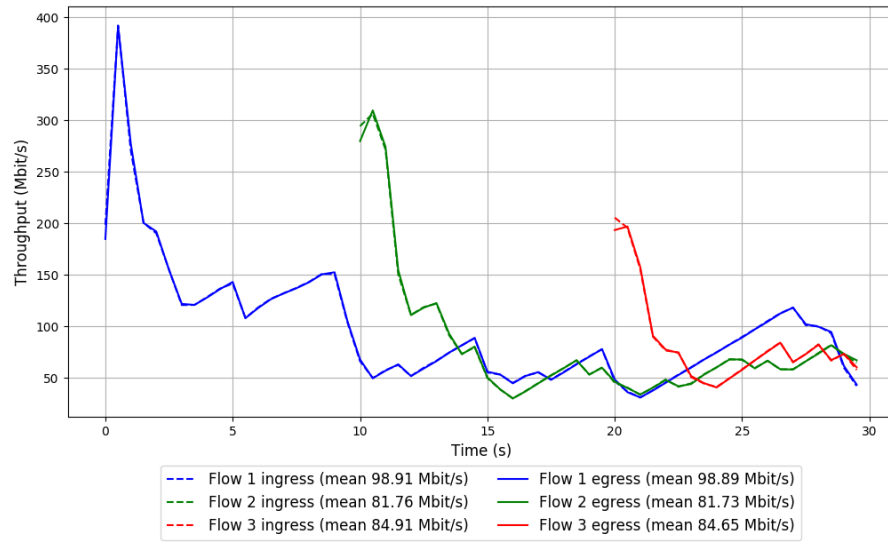


Run 7: Statistics of TCP Cubic

Start at: 2018-02-20 17:42:59
End at: 2018-02-20 17:43:29
Local clock offset: 8.096 ms
Remote clock offset: -6.746 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 181.47 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 98.89 Mbit/s
95th percentile per-packet one-way delay: 19.234 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 81.73 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 84.65 Mbit/s
95th percentile per-packet one-way delay: 18.201 ms
Loss rate: 0.30%

Run 7: Report of TCP Cubic — Data Link

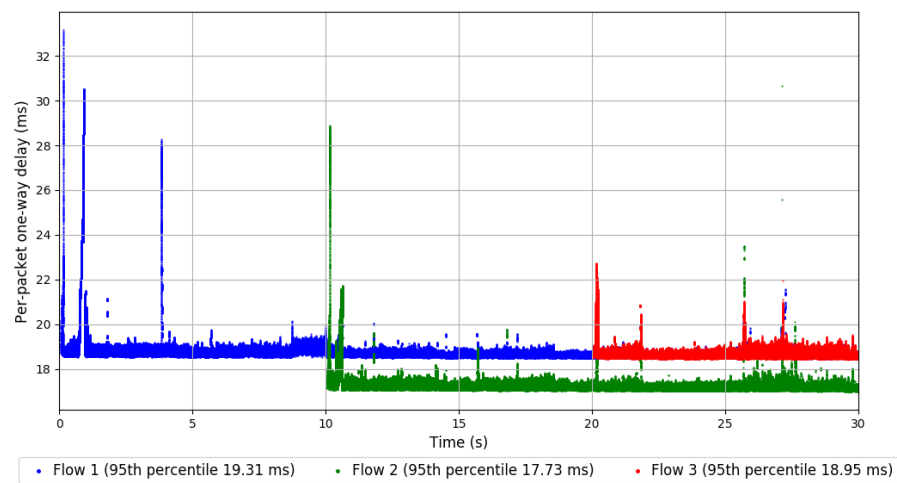
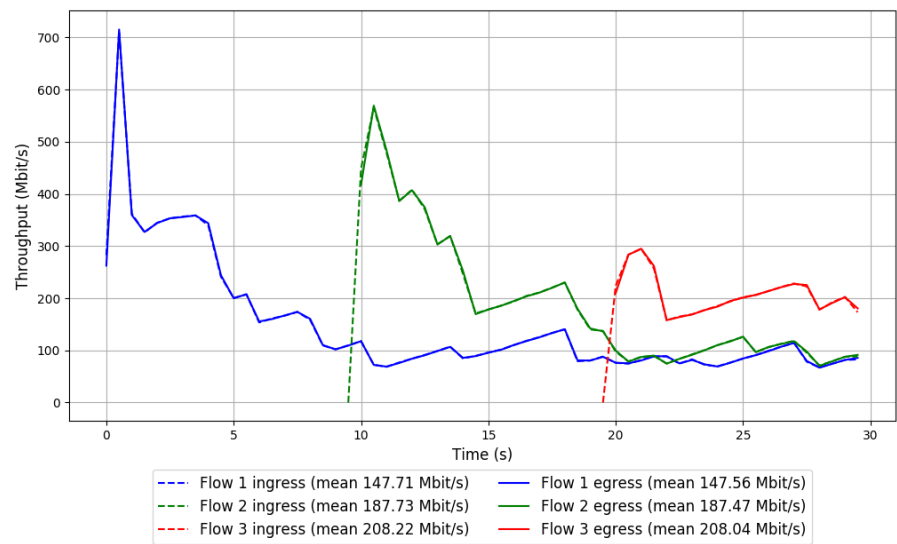


Run 8: Statistics of TCP Cubic

Start at: 2018-02-20 18:12:06
End at: 2018-02-20 18:12:36
Local clock offset: -2.683 ms
Remote clock offset: -5.952 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.64 Mbit/s
95th percentile per-packet one-way delay: 19.048 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 147.56 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 187.47 Mbit/s
95th percentile per-packet one-way delay: 17.734 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 208.04 Mbit/s
95th percentile per-packet one-way delay: 18.954 ms
Loss rate: 0.09%

Run 8: Report of TCP Cubic — Data Link

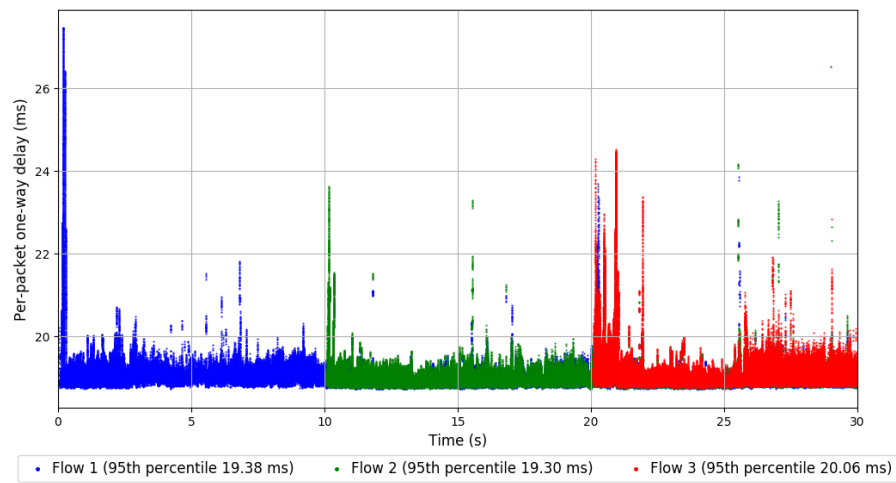
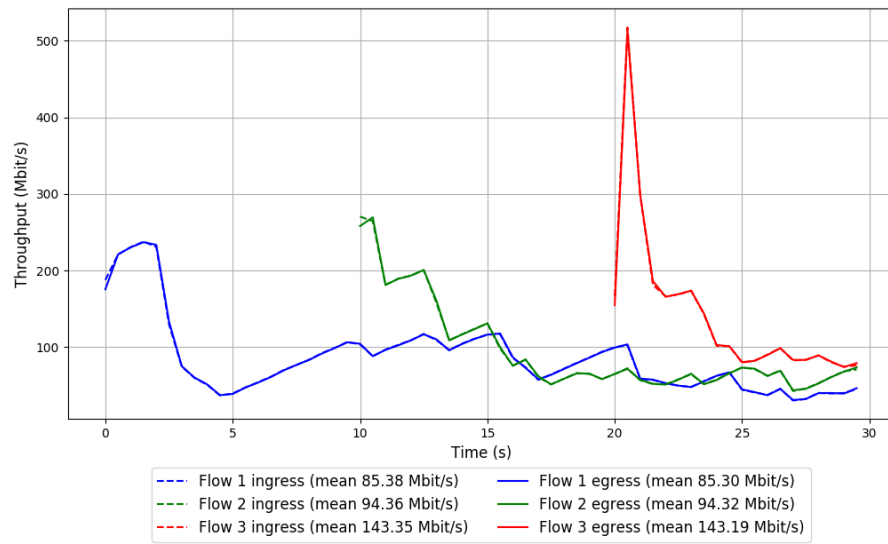


Run 9: Statistics of TCP Cubic

Start at: 2018-02-20 18:41:16
End at: 2018-02-20 18:41:46
Local clock offset: -1.235 ms
Remote clock offset: -5.219 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 195.64 Mbit/s
95th percentile per-packet one-way delay: 19.513 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 19.377 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 19.295 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 143.19 Mbit/s
95th percentile per-packet one-way delay: 20.062 ms
Loss rate: 0.19%

Run 9: Report of TCP Cubic — Data Link

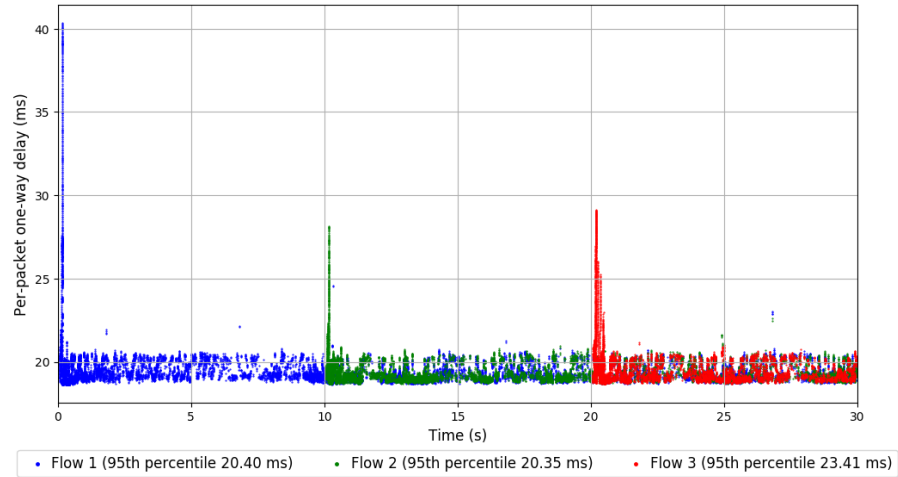
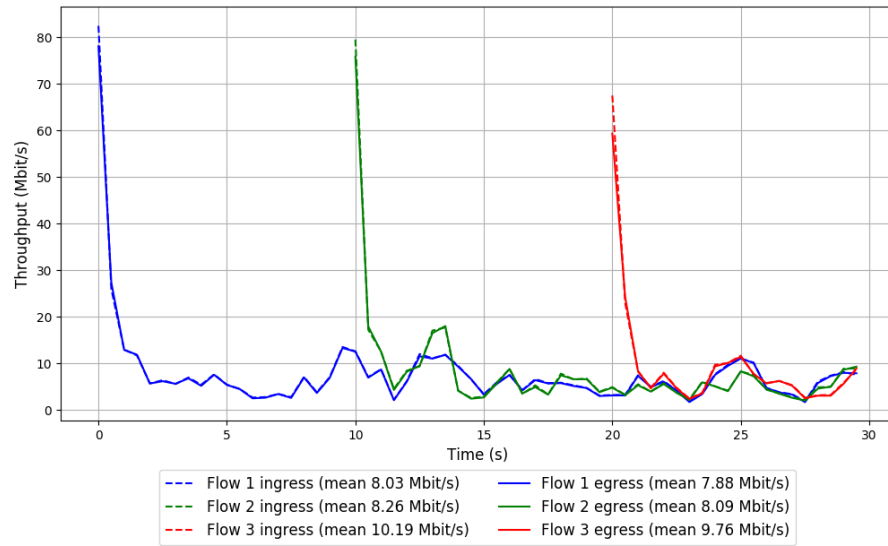


Run 10: Statistics of TCP Cubic

Start at: 2018-02-20 19:10:21
End at: 2018-02-20 19:10:51
Local clock offset: 0.781 ms
Remote clock offset: -4.744 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.51 Mbit/s
95th percentile per-packet one-way delay: 20.516 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 20.399 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 20.354 ms
Loss rate: 1.99%
-- Flow 3:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 23.406 ms
Loss rate: 4.24%

Run 10: Report of TCP Cubic — Data Link

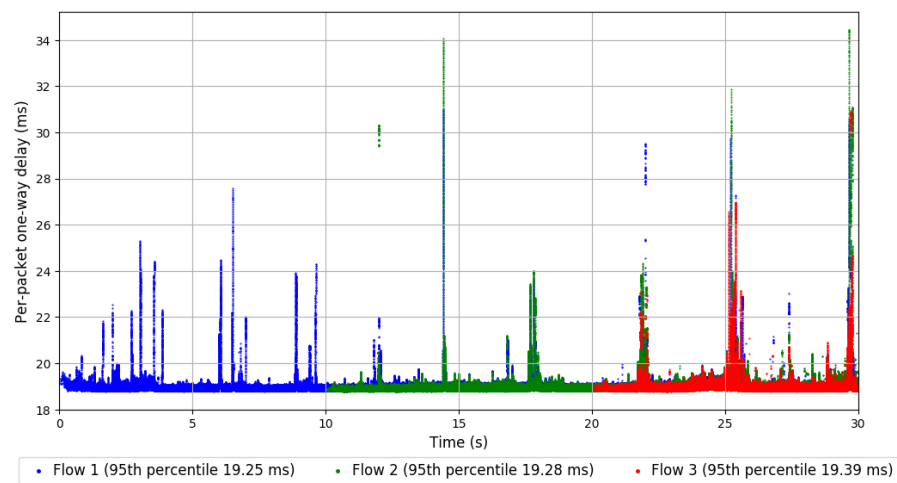
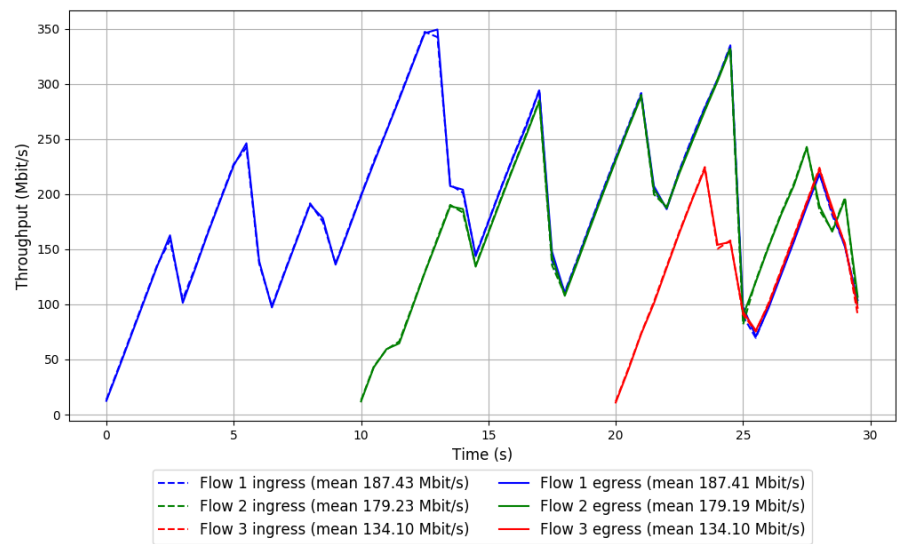


Run 1: Statistics of LEDBAT

Start at: 2018-02-20 14:39:03
End at: 2018-02-20 14:39:33
Local clock offset: 3.668 ms
Remote clock offset: -6.475 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.23 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 187.41 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 179.19 Mbit/s
95th percentile per-packet one-way delay: 19.278 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 134.10 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.03%

Run 1: Report of LEDBAT — Data Link

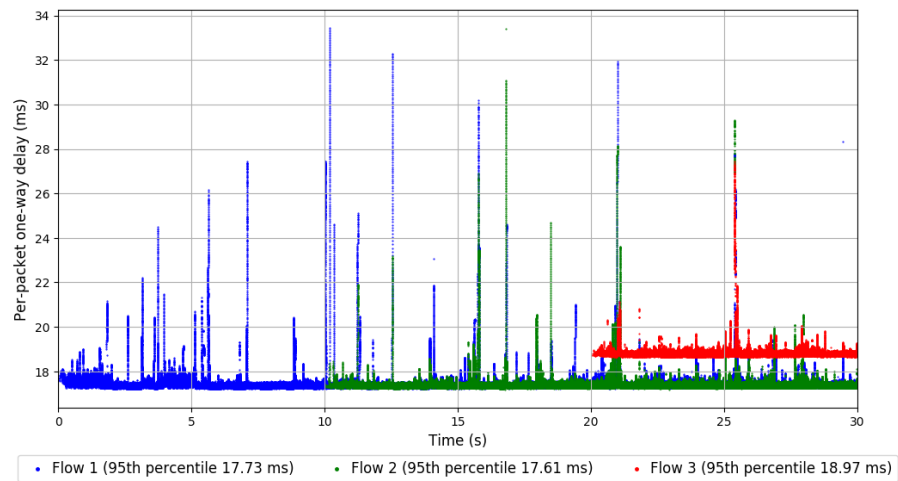
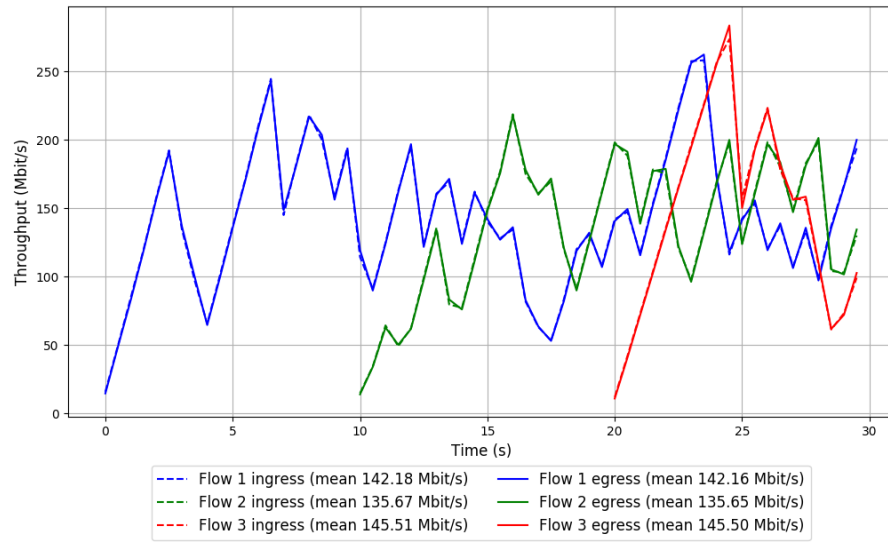


Run 2: Statistics of LEDBAT

Start at: 2018-02-20 15:08:29
End at: 2018-02-20 15:08:59
Local clock offset: 4.959 ms
Remote clock offset: -6.852 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.73 Mbit/s
95th percentile per-packet one-way delay: 18.837 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 142.16 Mbit/s
95th percentile per-packet one-way delay: 17.731 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 135.65 Mbit/s
95th percentile per-packet one-way delay: 17.606 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 145.50 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

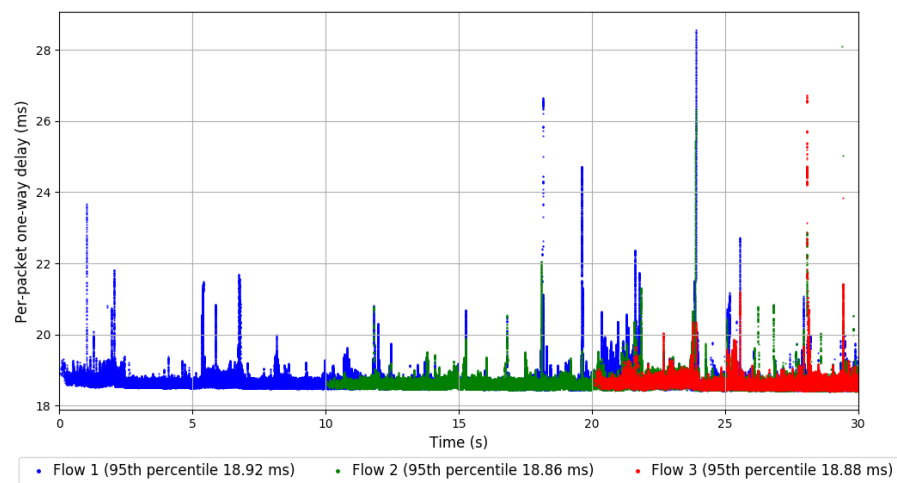
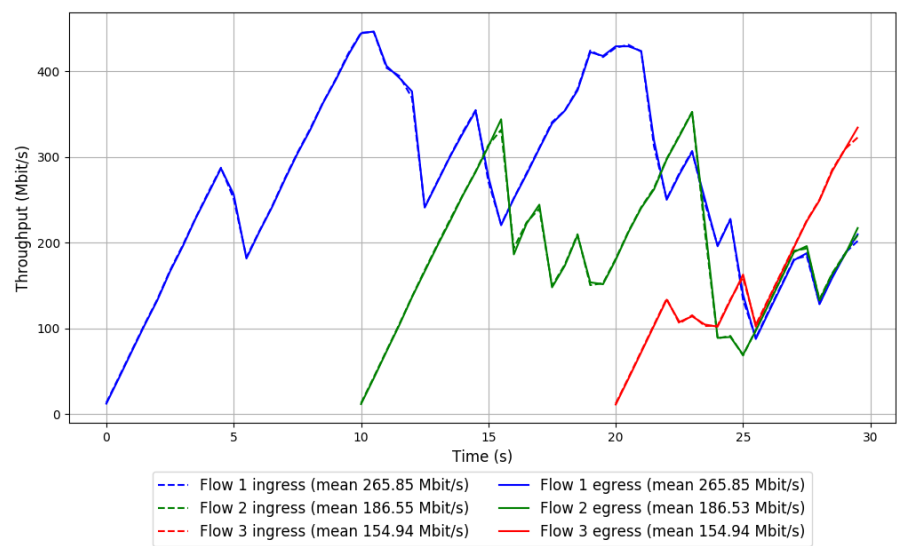


Run 3: Statistics of LEDBAT

Start at: 2018-02-20 15:37:46
End at: 2018-02-20 15:38:16
Local clock offset: 2.148 ms
Remote clock offset: -6.428 ms

Below is generated by plot.py at 2018-02-20 22:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 441.49 Mbit/s
95th percentile per-packet one-way delay: 18.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.85 Mbit/s
95th percentile per-packet one-way delay: 18.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.53 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 154.94 Mbit/s
95th percentile per-packet one-way delay: 18.877 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-02-20 16:06:52

End at: 2018-02-20 16:07:22

Local clock offset: 0.312 ms

Remote clock offset: -4.1 ms

Below is generated by plot.py at 2018-02-20 22:30:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.87 Mbit/s

95th percentile per-packet one-way delay: 19.386 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 129.63 Mbit/s

95th percentile per-packet one-way delay: 19.433 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 123.92 Mbit/s

95th percentile per-packet one-way delay: 19.381 ms

Loss rate: 0.03%

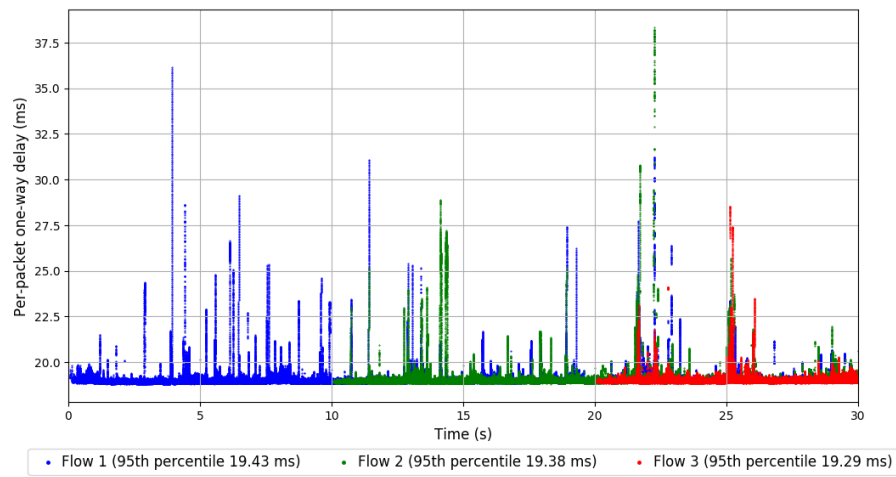
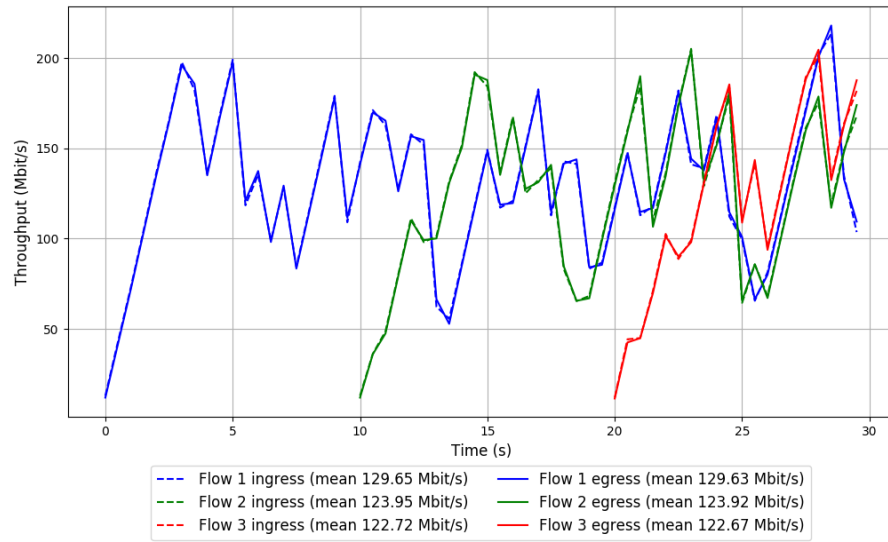
-- Flow 3:

Average throughput: 122.67 Mbit/s

95th percentile per-packet one-way delay: 19.291 ms

Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-02-20 16:35:55

End at: 2018-02-20 16:36:25

Local clock offset: 2.576 ms

Remote clock offset: -3.2 ms

Below is generated by plot.py at 2018-02-20 22:30:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.71 Mbit/s

95th percentile per-packet one-way delay: 19.213 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 114.53 Mbit/s

95th percentile per-packet one-way delay: 19.116 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 90.37 Mbit/s

95th percentile per-packet one-way delay: 19.212 ms

Loss rate: 0.02%

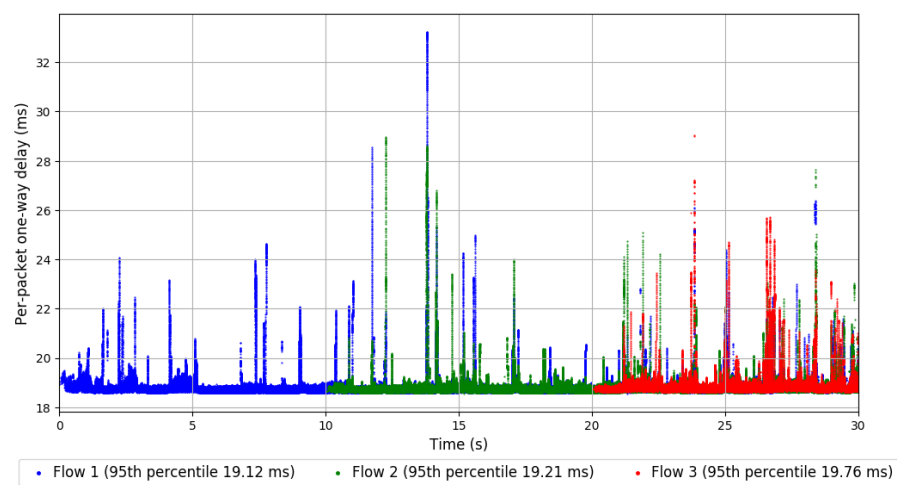
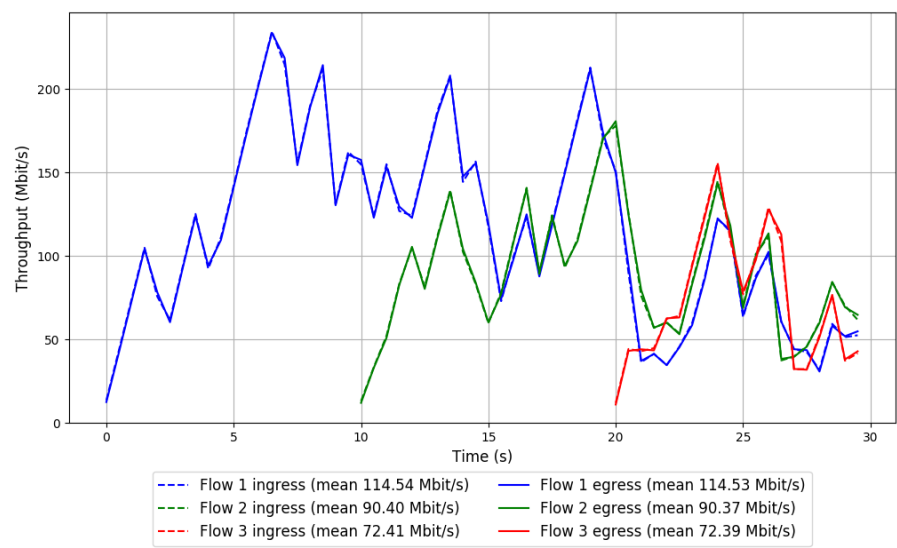
-- Flow 3:

Average throughput: 72.39 Mbit/s

95th percentile per-packet one-way delay: 19.763 ms

Loss rate: 0.04%

Run 5: Report of LEDBAT — Data Link

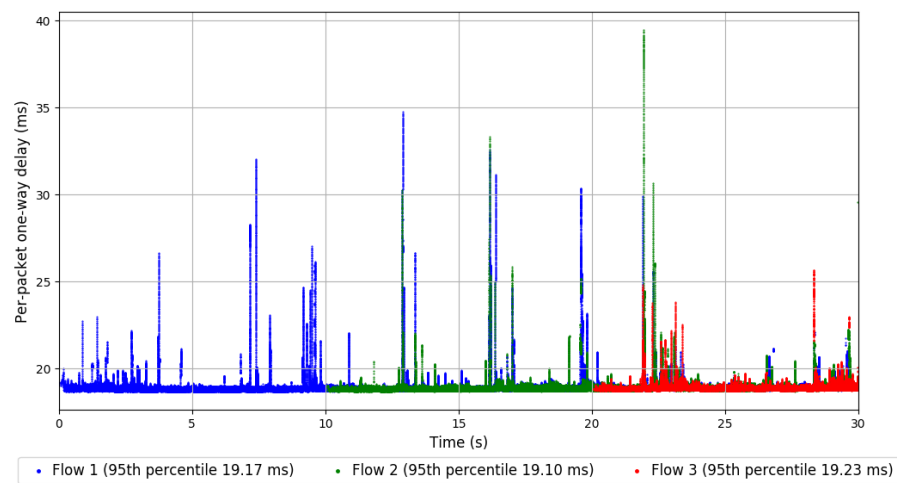
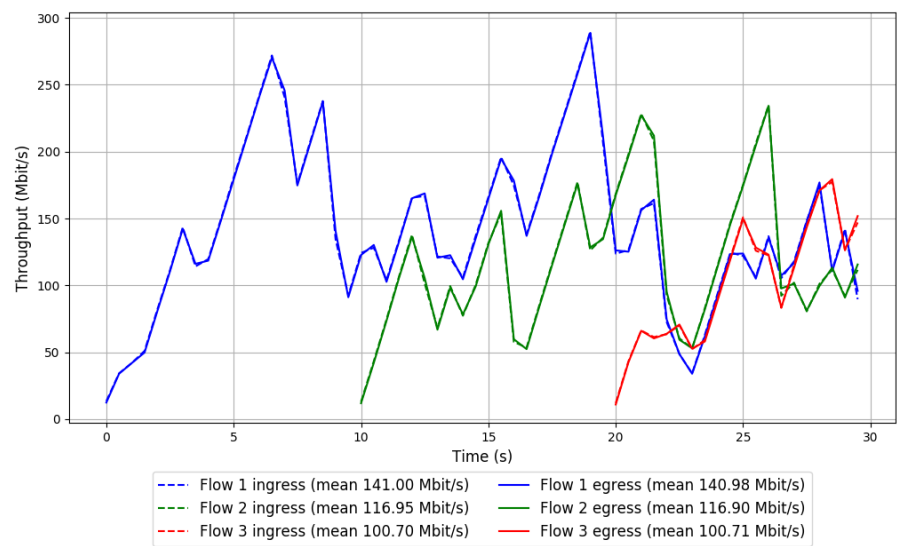


Run 6: Statistics of LEDBAT

Start at: 2018-02-20 17:05:13
End at: 2018-02-20 17:05:43
Local clock offset: 6.38 ms
Remote clock offset: -5.581 ms

Below is generated by plot.py at 2018-02-20 22:31:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.24 Mbit/s
95th percentile per-packet one-way delay: 19.154 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 140.98 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 116.90 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 100.71 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

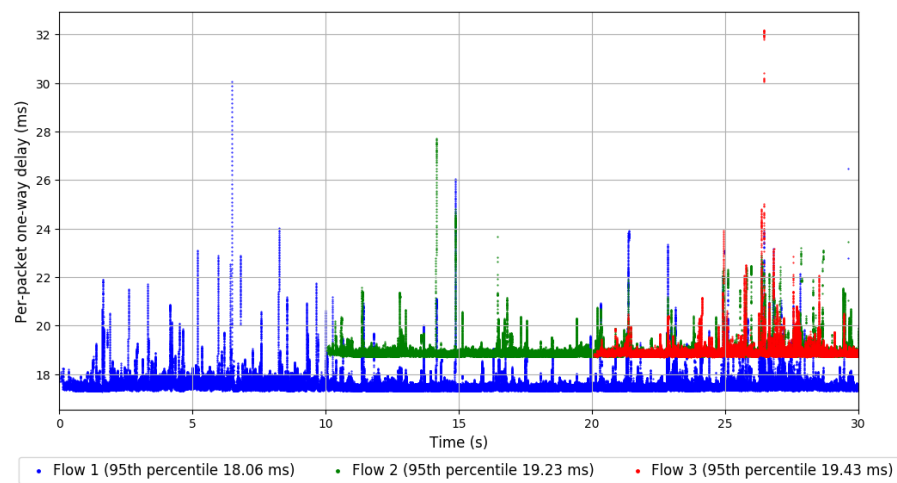
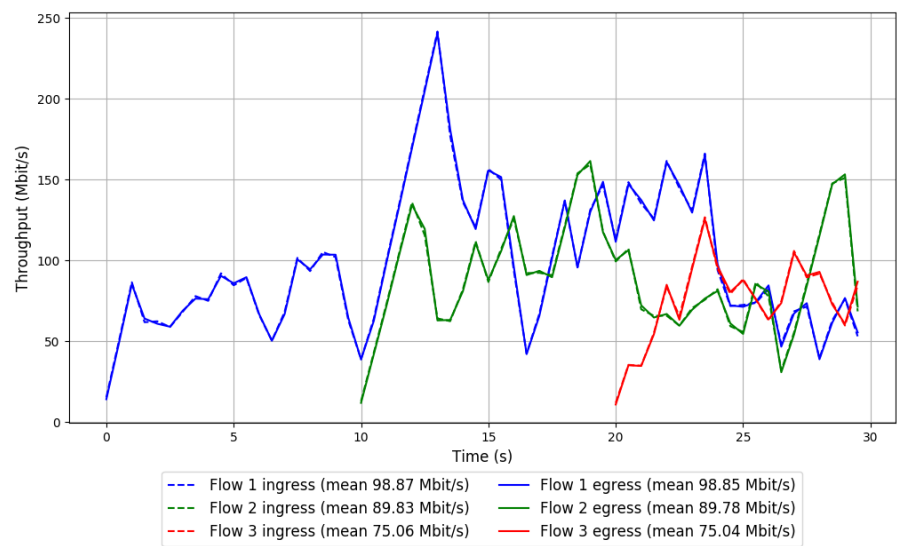


Run 7: Statistics of LEDBAT

Start at: 2018-02-20 17:34:26
End at: 2018-02-20 17:34:56
Local clock offset: 7.749 ms
Remote clock offset: -6.666 ms

Below is generated by plot.py at 2018-02-20 22:31:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 183.49 Mbit/s
95th percentile per-packet one-way delay: 19.078 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 98.85 Mbit/s
95th percentile per-packet one-way delay: 18.062 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 75.04 Mbit/s
95th percentile per-packet one-way delay: 19.426 ms
Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link

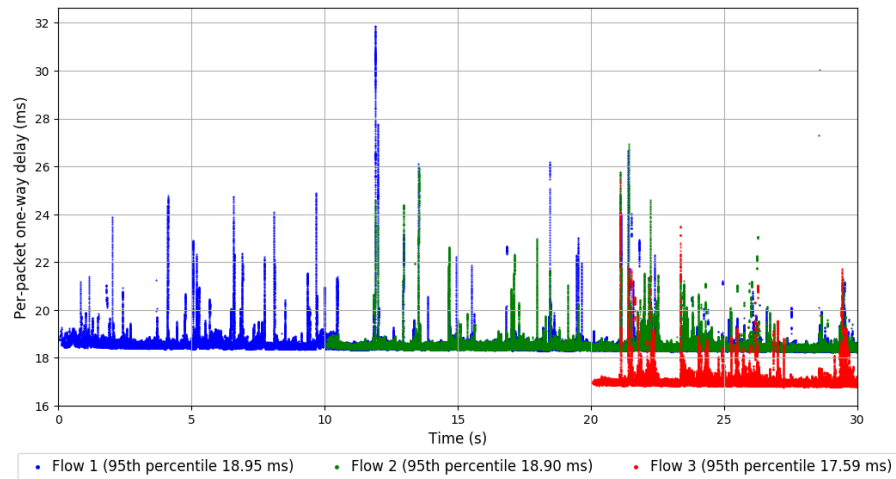
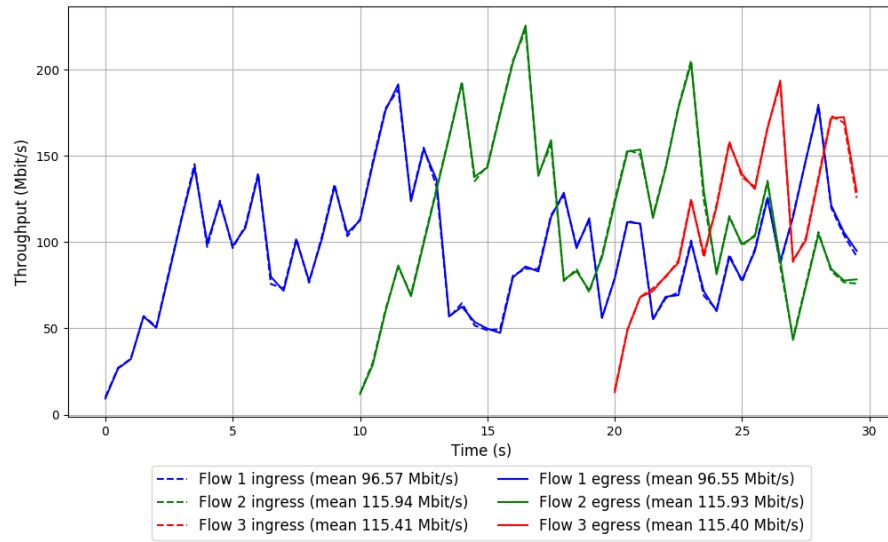


Run 8: Statistics of LEDBAT

Start at: 2018-02-20 18:03:29
End at: 2018-02-20 18:03:59
Local clock offset: -1.069 ms
Remote clock offset: -6.748 ms

```
# Below is generated by plot.py at 2018-02-20 22:31:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 212.06 Mbit/s
95th percentile per-packet one-way delay: 18.863 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 18.947 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 115.93 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 115.40 Mbit/s
95th percentile per-packet one-way delay: 17.587 ms
Loss rate: 0.01%
```

Run 8: Report of LEDBAT — Data Link

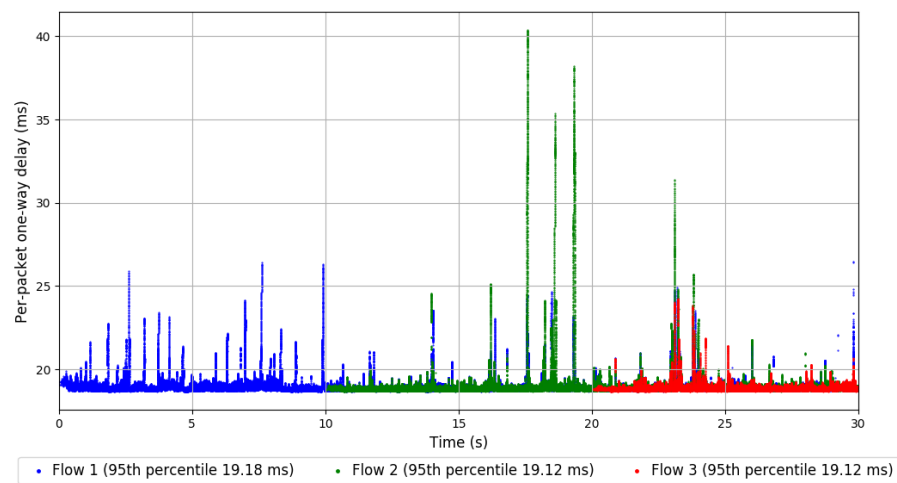
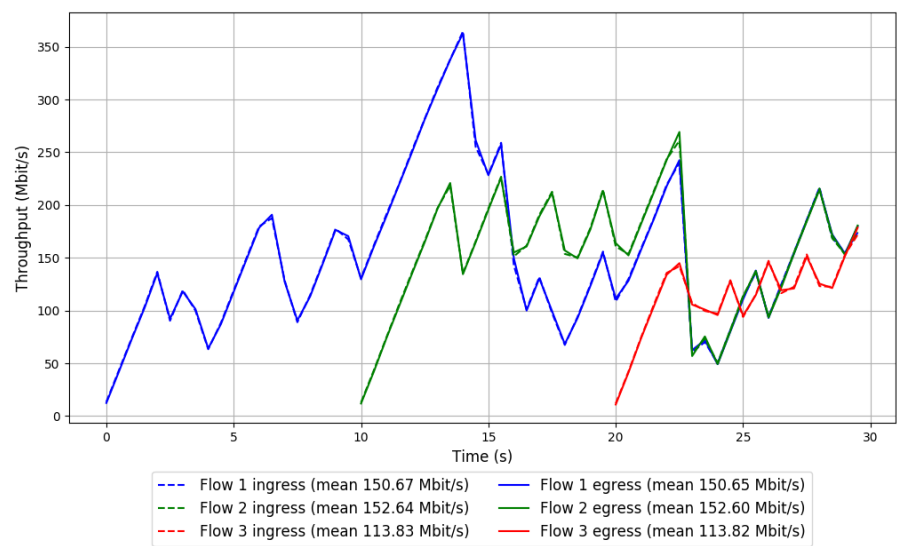


Run 9: Statistics of LEDBAT

Start at: 2018-02-20 18:32:39
End at: 2018-02-20 18:33:09
Local clock offset: -1.364 ms
Remote clock offset: -5.616 ms

Below is generated by plot.py at 2018-02-20 22:32:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.04 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 150.65 Mbit/s
95th percentile per-packet one-way delay: 19.180 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 152.60 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 113.82 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link

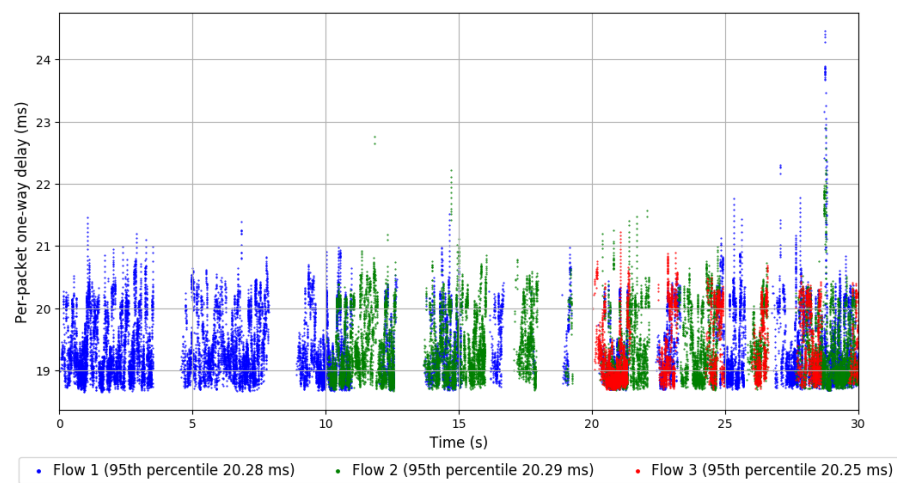
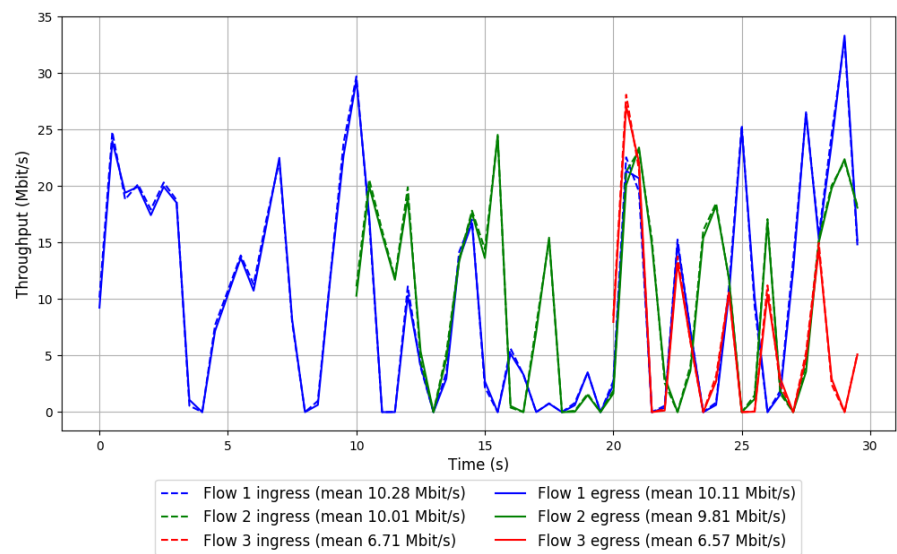


Run 10: Statistics of LEDBAT

Start at: 2018-02-20 19:02:12
End at: 2018-02-20 19:02:42
Local clock offset: 0.221 ms
Remote clock offset: -4.821 ms

Below is generated by plot.py at 2018-02-20 22:32:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.82 Mbit/s
95th percentile per-packet one-way delay: 20.278 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 20.278 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 20.289 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 20.255 ms
Loss rate: 2.13%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-02-20 15:00:35

End at: 2018-02-20 15:01:05

Local clock offset: 4.734 ms

Remote clock offset: -6.68 ms

Below is generated by plot.py at 2018-02-20 22:41:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 923.42 Mbit/s

95th percentile per-packet one-way delay: 20.263 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 847.66 Mbit/s

95th percentile per-packet one-way delay: 20.456 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 108.20 Mbit/s

95th percentile per-packet one-way delay: 19.982 ms

Loss rate: 0.24%

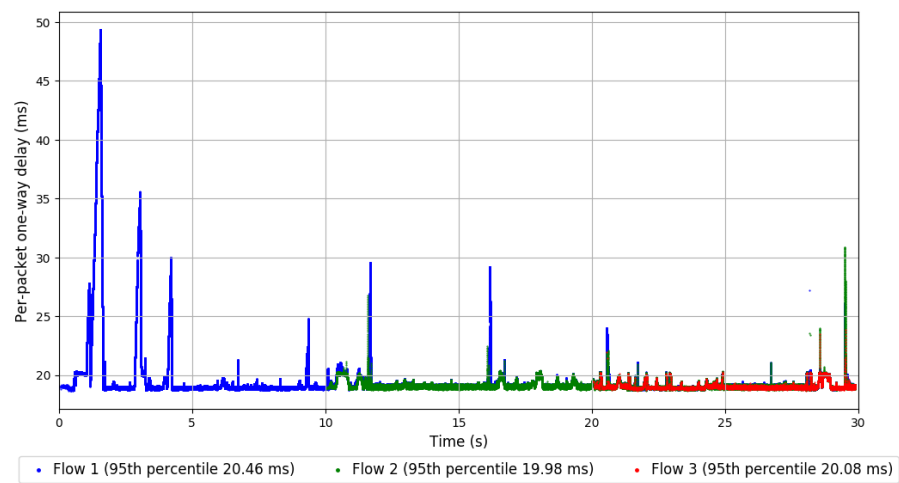
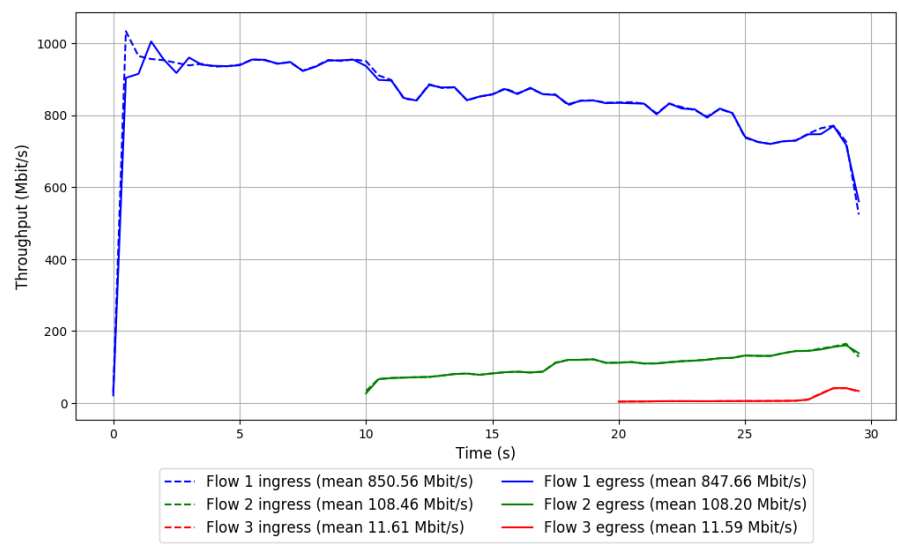
-- Flow 3:

Average throughput: 11.59 Mbit/s

95th percentile per-packet one-way delay: 20.078 ms

Loss rate: 0.15%

Run 1: Report of PCC — Data Link

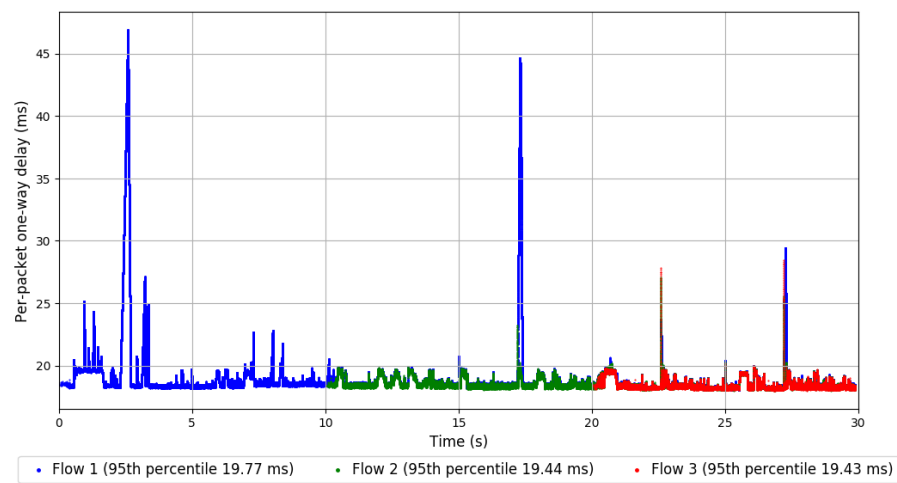
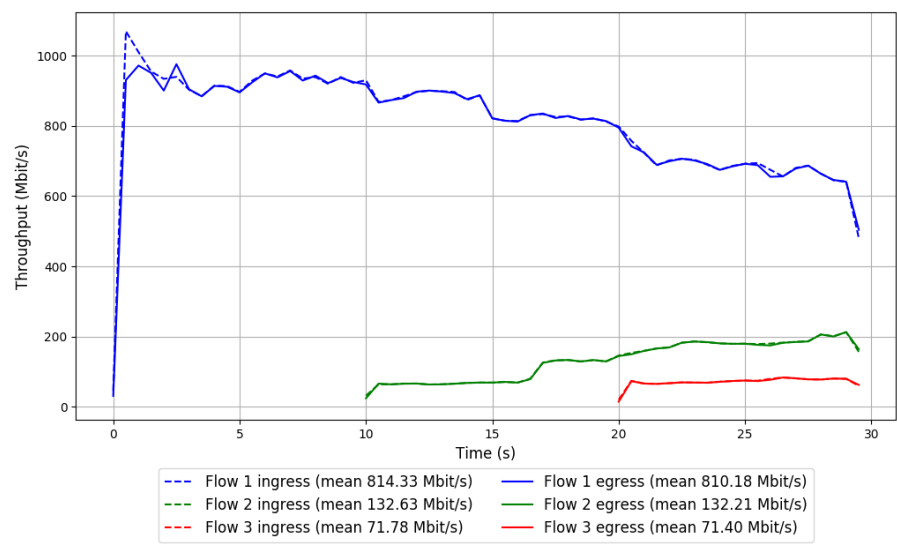


Run 2: Statistics of PCC

Start at: 2018-02-20 15:29:47
End at: 2018-02-20 15:30:17
Local clock offset: 5.24 ms
Remote clock offset: -6.444 ms

Below is generated by plot.py at 2018-02-20 22:41:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 921.58 Mbit/s
95th percentile per-packet one-way delay: 19.690 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 810.18 Mbit/s
95th percentile per-packet one-way delay: 19.767 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 132.21 Mbit/s
95th percentile per-packet one-way delay: 19.439 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 71.40 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.53%

Run 2: Report of PCC — Data Link

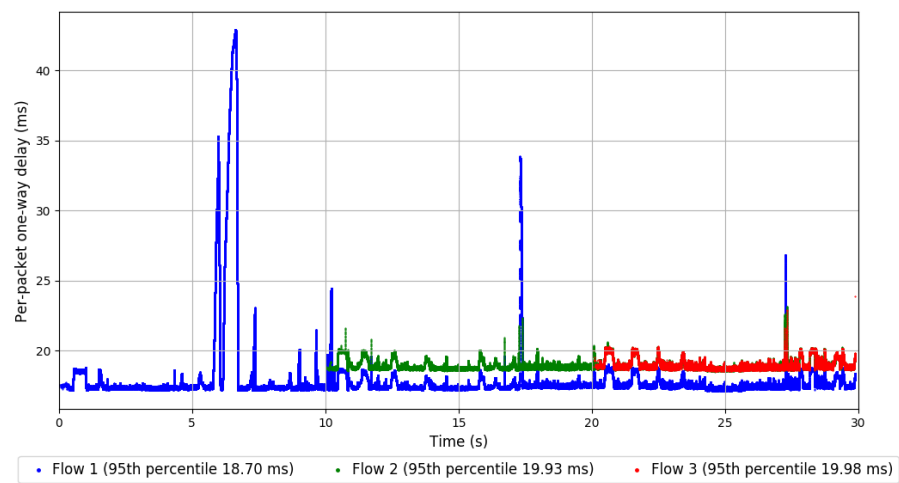
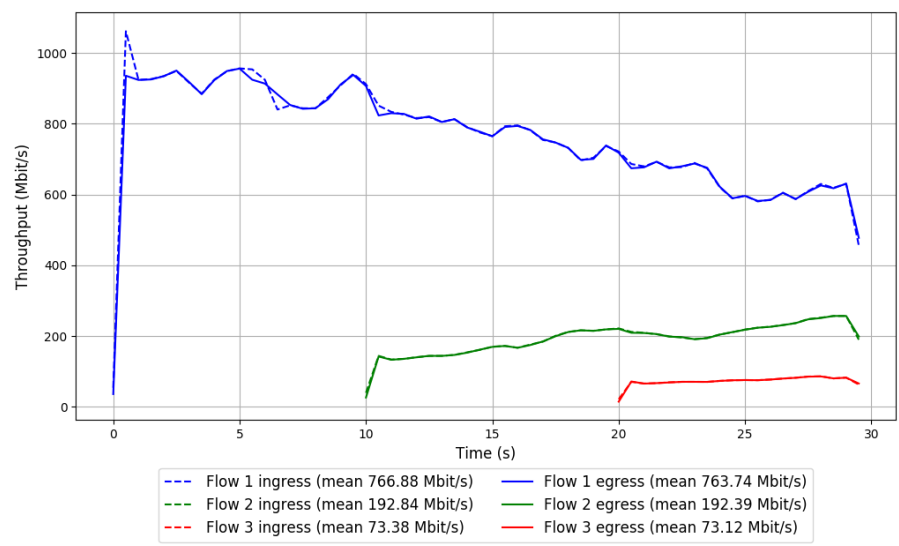


Run 3: Statistics of PCC

Start at: 2018-02-20 15:58:57
End at: 2018-02-20 15:59:27
Local clock offset: -0.421 ms
Remote clock offset: -4.467 ms

Below is generated by plot.py at 2018-02-20 22:43:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 915.57 Mbit/s
95th percentile per-packet one-way delay: 19.761 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 763.74 Mbit/s
95th percentile per-packet one-way delay: 18.698 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 192.39 Mbit/s
95th percentile per-packet one-way delay: 19.926 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 73.12 Mbit/s
95th percentile per-packet one-way delay: 19.975 ms
Loss rate: 0.31%

Run 3: Report of PCC — Data Link

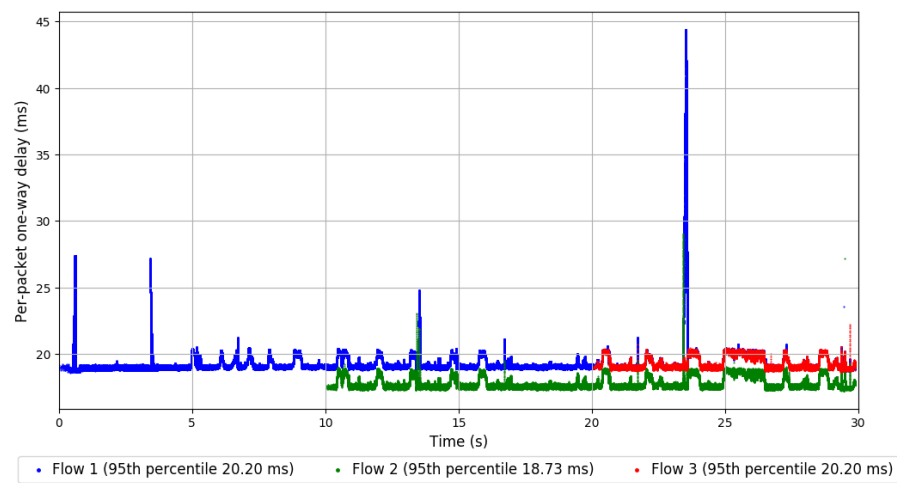
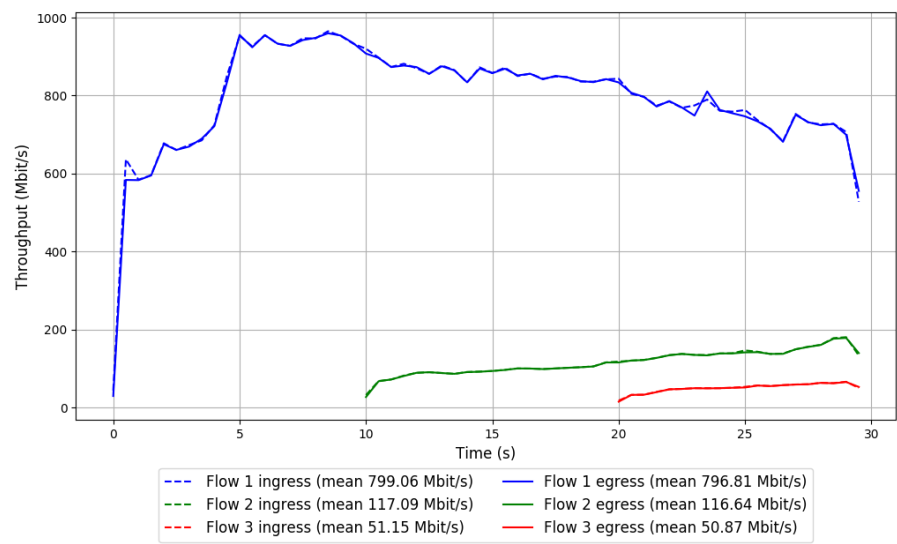


Run 4: Statistics of PCC

Start at: 2018-02-20 16:28:00
End at: 2018-02-20 16:28:30
Local clock offset: 2.391 ms
Remote clock offset: -3.372 ms

Below is generated by plot.py at 2018-02-20 22:43:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 891.14 Mbit/s
95th percentile per-packet one-way delay: 20.196 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 796.81 Mbit/s
95th percentile per-packet one-way delay: 20.203 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 116.64 Mbit/s
95th percentile per-packet one-way delay: 18.735 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 50.87 Mbit/s
95th percentile per-packet one-way delay: 20.197 ms
Loss rate: 0.55%

Run 4: Report of PCC — Data Link

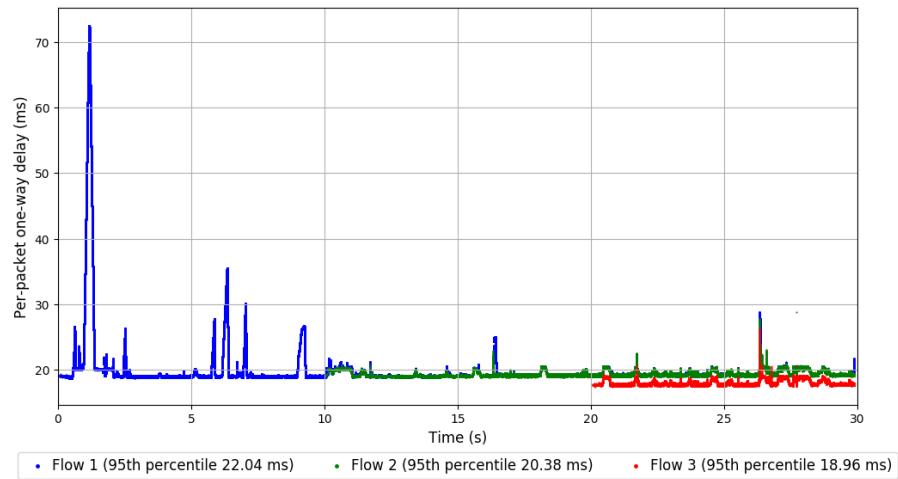
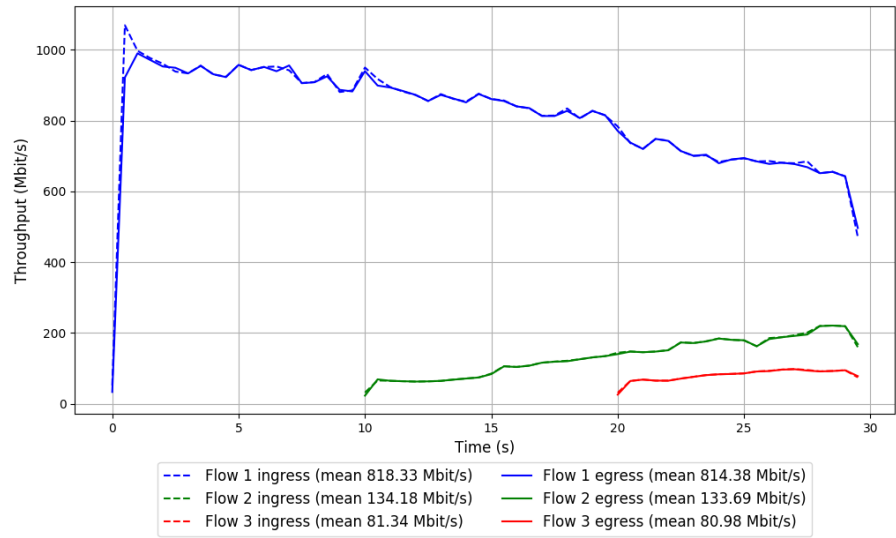


Run 5: Statistics of PCC

Start at: 2018-02-20 16:57:17
End at: 2018-02-20 16:57:47
Local clock offset: 5.869 ms
Remote clock offset: -4.024 ms

Below is generated by plot.py at 2018-02-20 22:43:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 929.95 Mbit/s
95th percentile per-packet one-way delay: 21.089 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 814.38 Mbit/s
95th percentile per-packet one-way delay: 22.044 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 133.69 Mbit/s
95th percentile per-packet one-way delay: 20.379 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 18.965 ms
Loss rate: 0.44%

Run 5: Report of PCC — Data Link

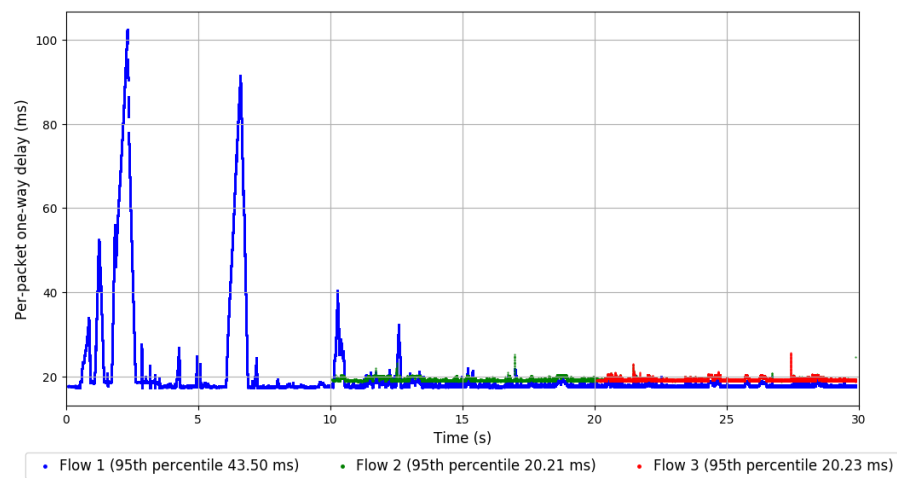
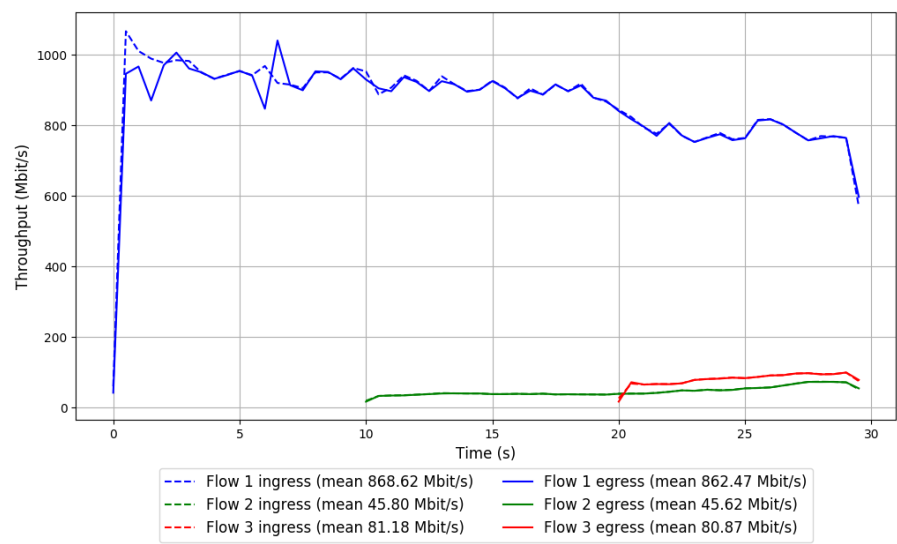


Run 6: Statistics of PCC

Start at: 2018-02-20 17:26:31
End at: 2018-02-20 17:27:01
Local clock offset: 7.322 ms
Remote clock offset: -6.899 ms

Below is generated by plot.py at 2018-02-20 22:43:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 919.19 Mbit/s
95th percentile per-packet one-way delay: 40.602 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 862.47 Mbit/s
95th percentile per-packet one-way delay: 43.500 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 45.62 Mbit/s
95th percentile per-packet one-way delay: 20.207 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 20.227 ms
Loss rate: 0.39%

Run 6: Report of PCC — Data Link

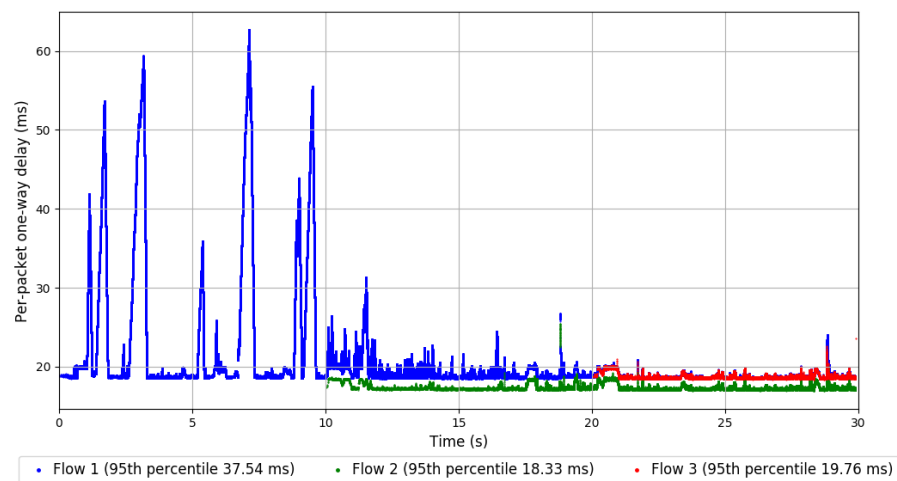
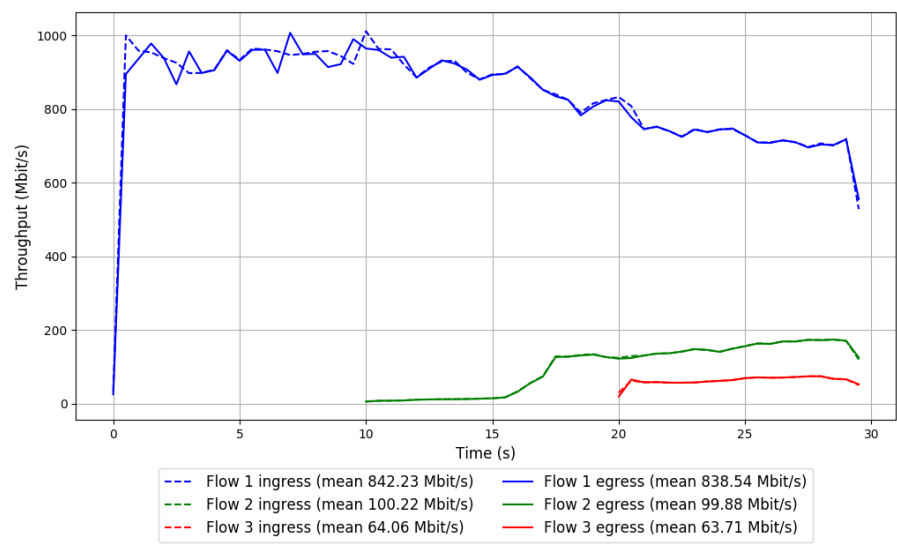


Run 7: Statistics of PCC

Start at: 2018-02-20 17:55:33
End at: 2018-02-20 17:56:03
Local clock offset: 1.263 ms
Remote clock offset: -6.894 ms

Below is generated by plot.py at 2018-02-20 22:44:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 925.79 Mbit/s
95th percentile per-packet one-way delay: 35.954 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 838.54 Mbit/s
95th percentile per-packet one-way delay: 37.536 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 99.88 Mbit/s
95th percentile per-packet one-way delay: 18.327 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 19.763 ms
Loss rate: 0.49%

Run 7: Report of PCC — Data Link

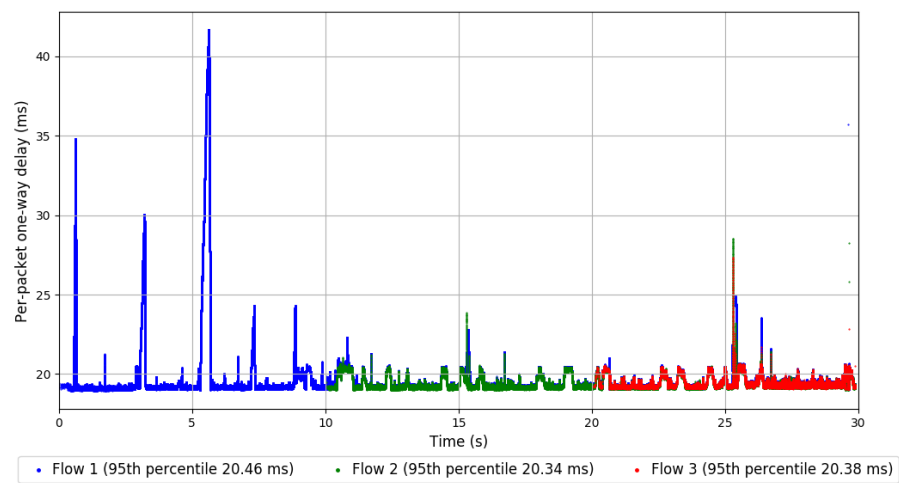
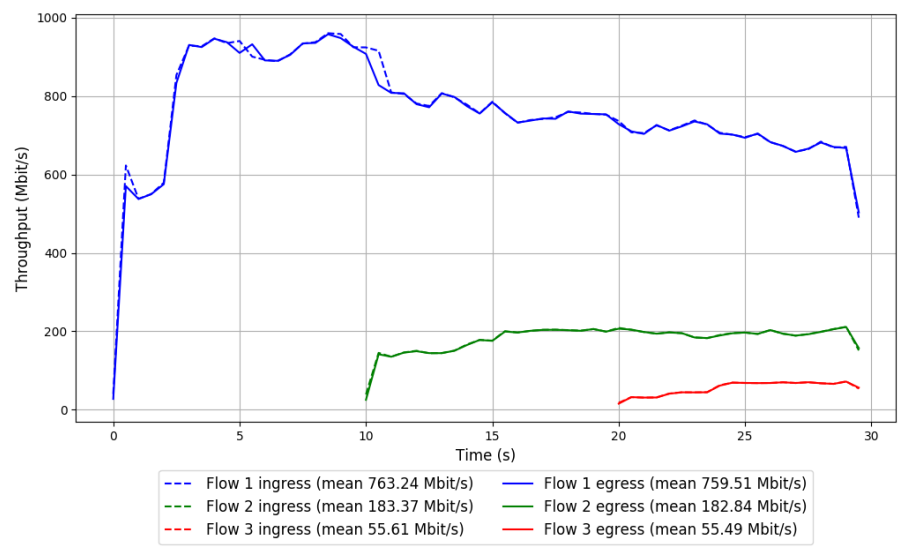


Run 8: Statistics of PCC

Start at: 2018-02-20 18:24:46
End at: 2018-02-20 18:25:16
Local clock offset: -2.396 ms
Remote clock offset: -5.591 ms

Below is generated by plot.py at 2018-02-20 22:45:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 899.31 Mbit/s
95th percentile per-packet one-way delay: 20.426 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 759.51 Mbit/s
95th percentile per-packet one-way delay: 20.464 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 182.84 Mbit/s
95th percentile per-packet one-way delay: 20.339 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 20.377 ms
Loss rate: 0.21%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-02-20 18:53:59

End at: 2018-02-20 18:54:29

Local clock offset: -1.311 ms

Remote clock offset: -4.84 ms

Below is generated by plot.py at 2018-02-20 22:53:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 860.19 Mbit/s

95th percentile per-packet one-way delay: 20.506 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 758.65 Mbit/s

95th percentile per-packet one-way delay: 20.512 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 132.99 Mbit/s

95th percentile per-packet one-way delay: 20.460 ms

Loss rate: 0.26%

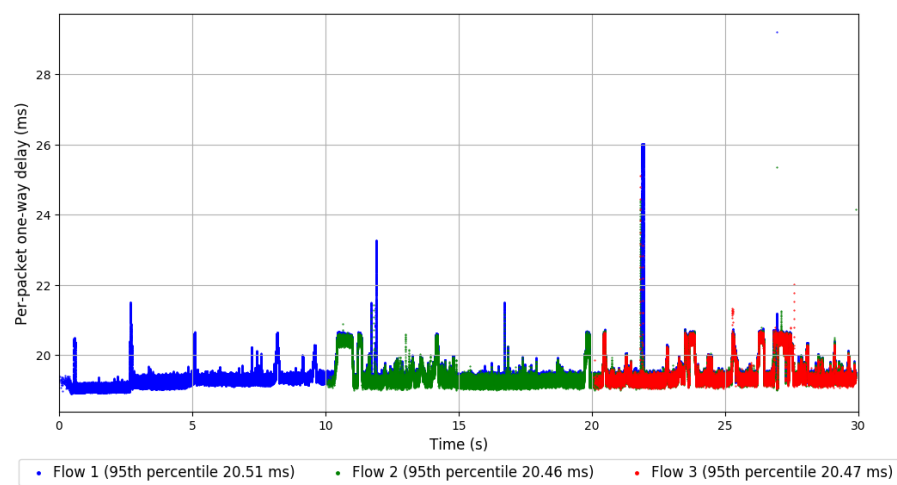
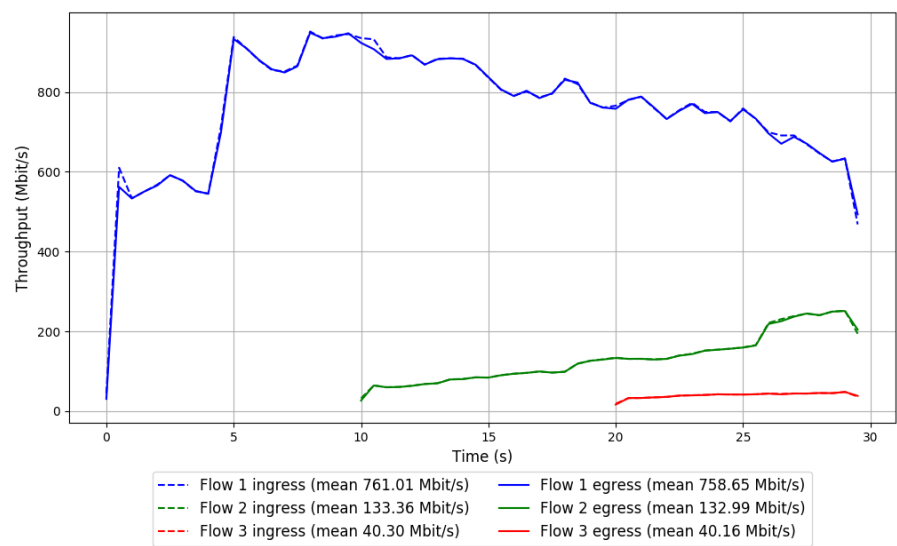
-- Flow 3:

Average throughput: 40.16 Mbit/s

95th percentile per-packet one-way delay: 20.474 ms

Loss rate: 0.34%

Run 9: Report of PCC — Data Link

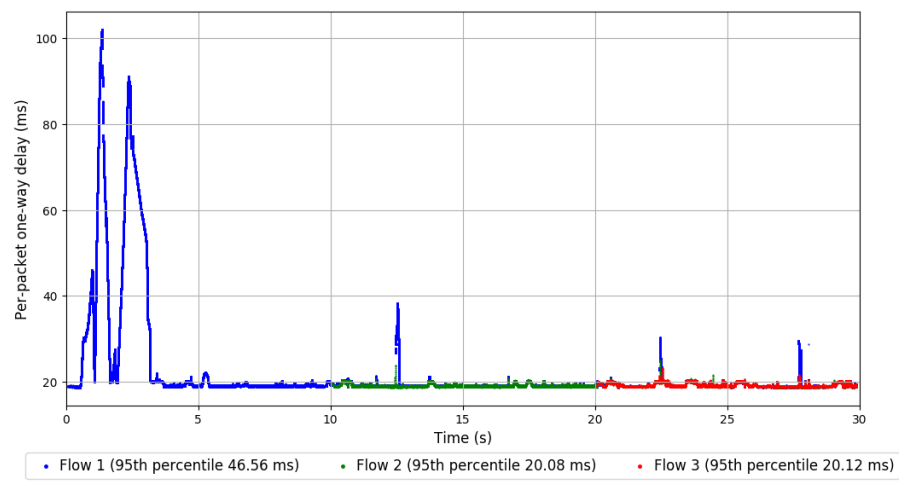
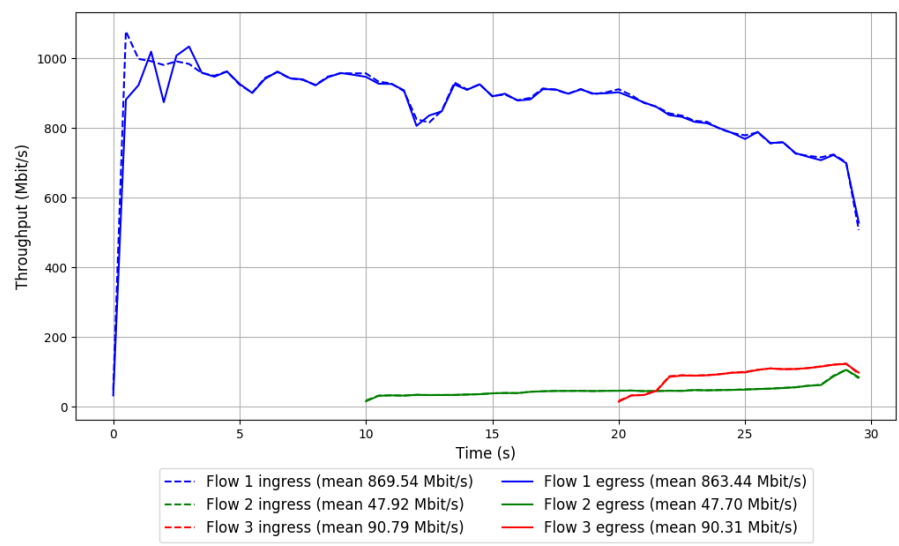


Run 10: Statistics of PCC

Start at: 2018-02-20 19:22:48
End at: 2018-02-20 19:23:18
Local clock offset: 1.096 ms
Remote clock offset: -4.971 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 924.93 Mbit/s
95th percentile per-packet one-way delay: 43.382 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 863.44 Mbit/s
95th percentile per-packet one-way delay: 46.564 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 47.70 Mbit/s
95th percentile per-packet one-way delay: 20.081 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 20.117 ms
Loss rate: 0.53%

Run 10: Report of PCC — Data Link

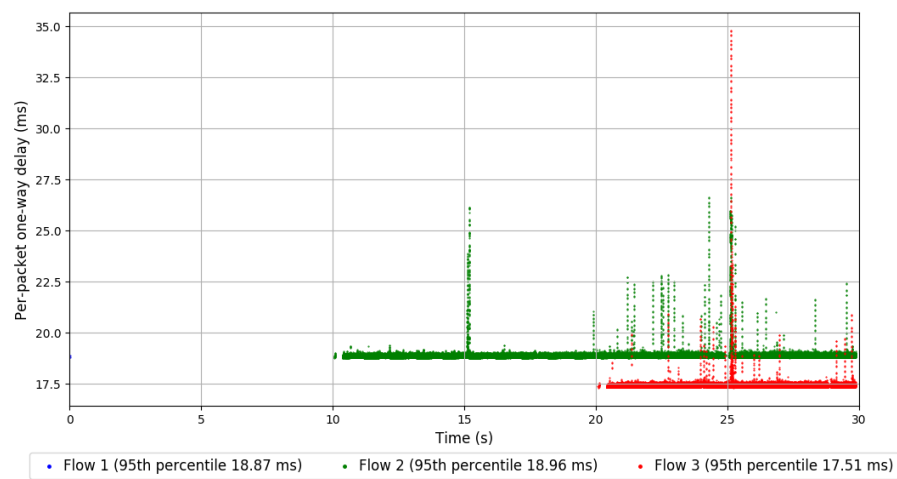
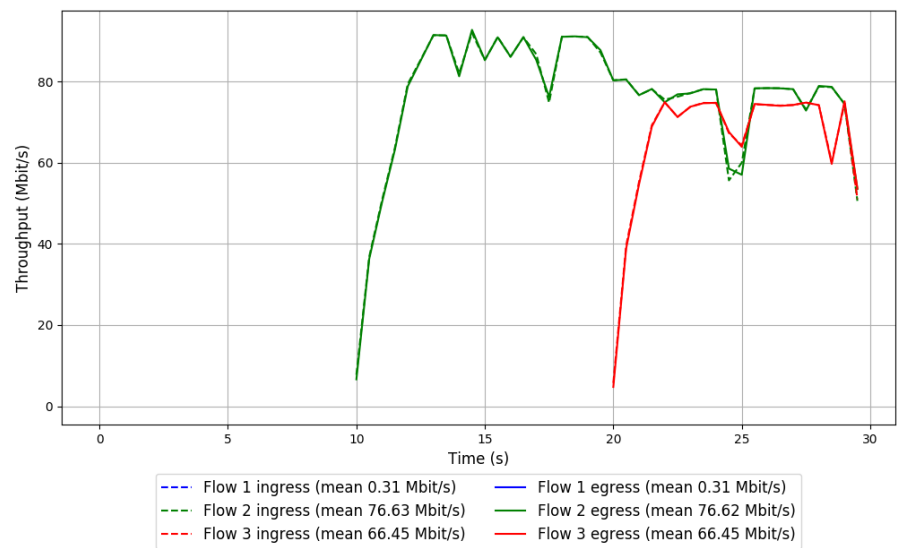


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-20 15:02:20
End at: 2018-02-20 15:02:50
Local clock offset: 4.712 ms
Remote clock offset: -6.724 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.75 Mbit/s
95th percentile per-packet one-way delay: 18.936 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 18.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 18.956 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 66.45 Mbit/s
95th percentile per-packet one-way delay: 17.514 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

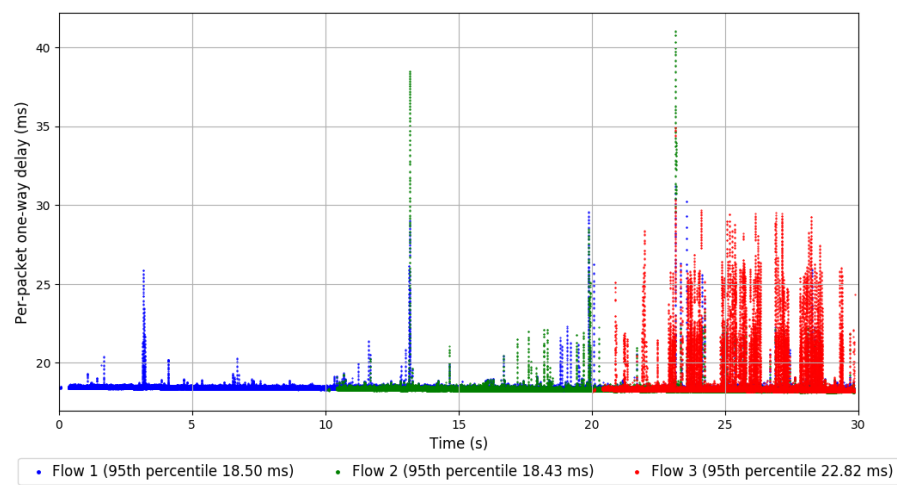
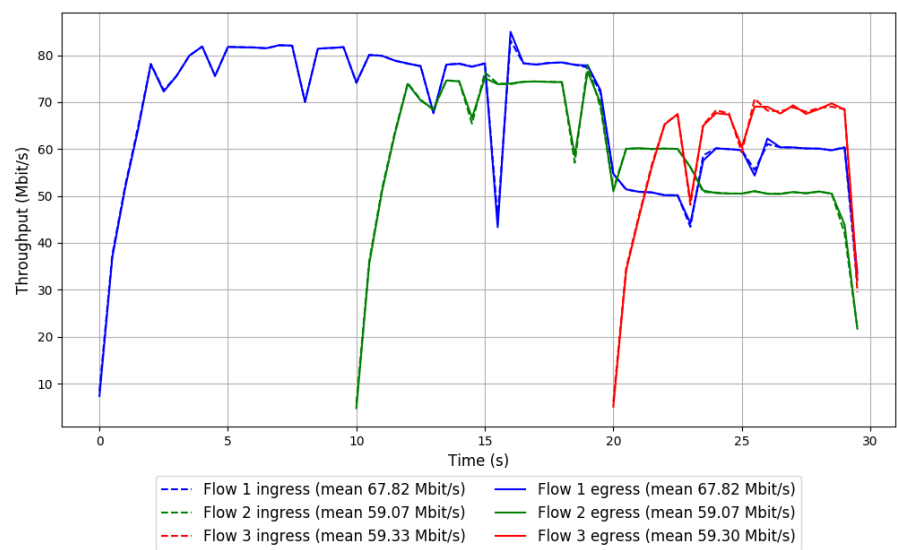


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-20 15:31:31
End at: 2018-02-20 15:32:01
Local clock offset: 4.289 ms
Remote clock offset: -6.449 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.48 Mbit/s
95th percentile per-packet one-way delay: 18.603 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.82 Mbit/s
95th percentile per-packet one-way delay: 18.505 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 18.431 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 22.822 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

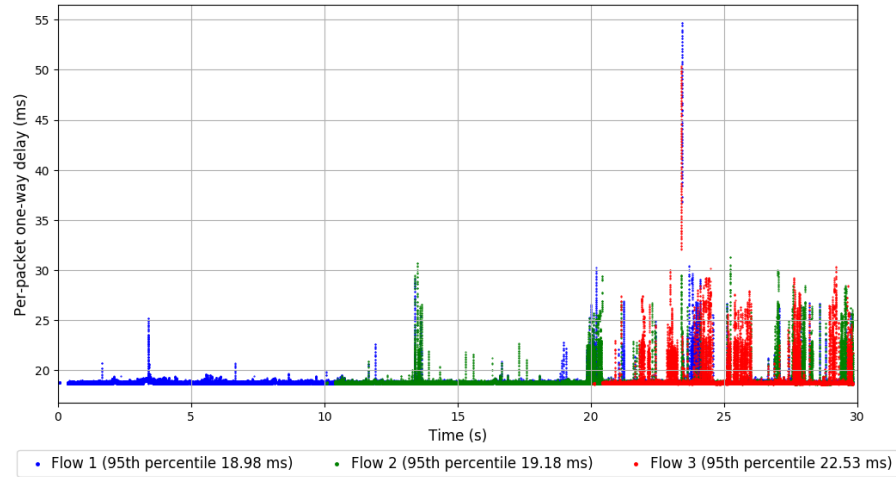
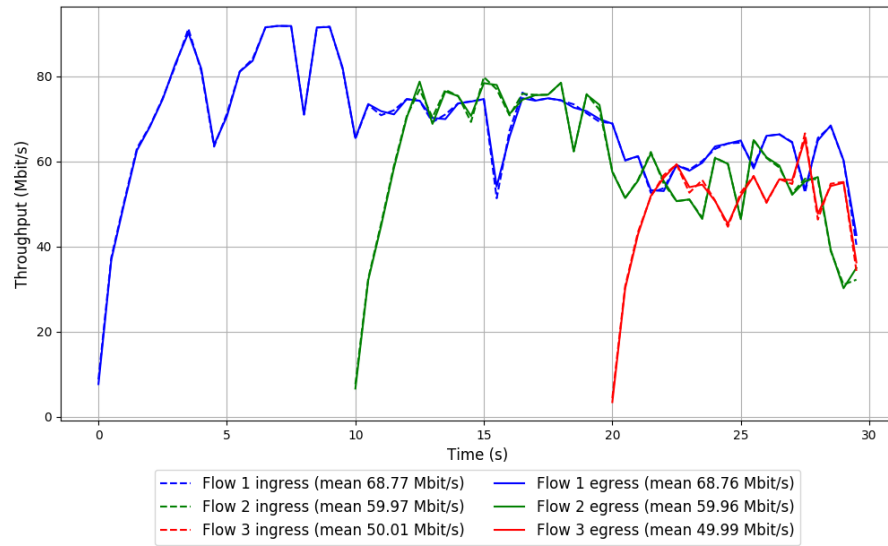


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-20 16:00:40
End at: 2018-02-20 16:01:10
Local clock offset: -0.569 ms
Remote clock offset: -4.318 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.93 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 18.982 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.96 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 22.533 ms
Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link

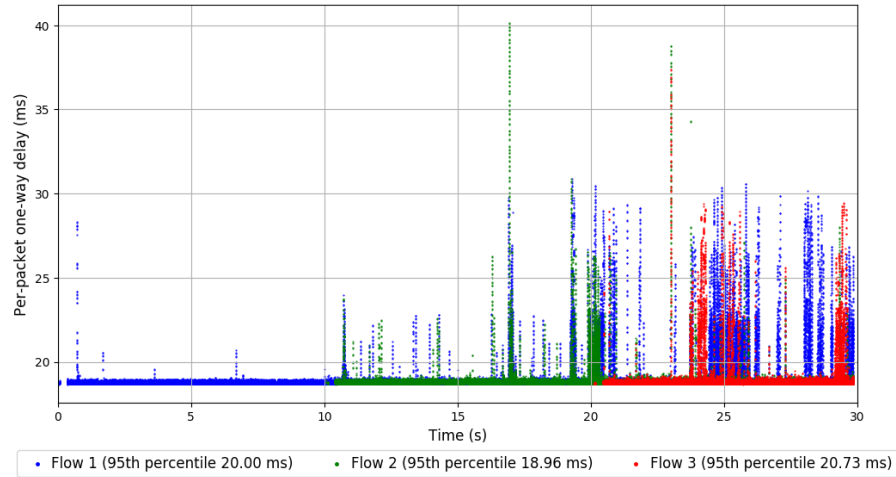
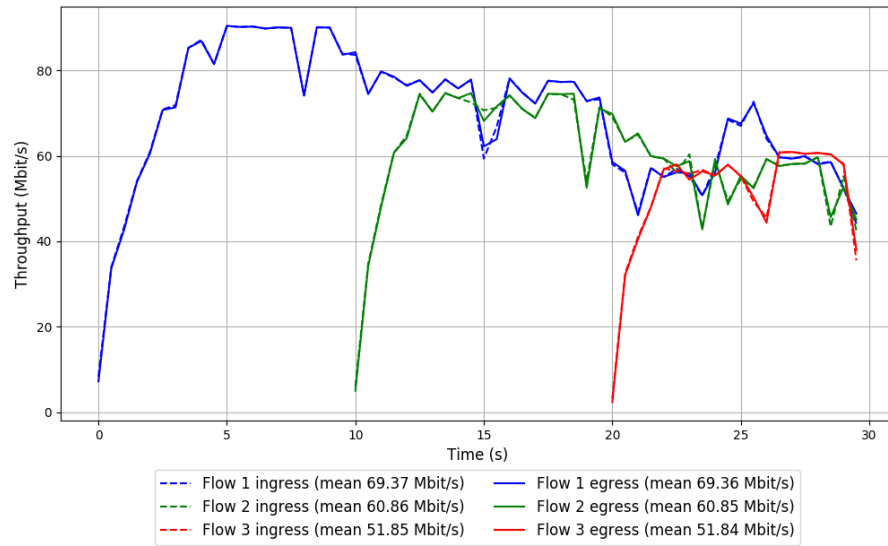


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-20 16:29:43
End at: 2018-02-20 16:30:13
Local clock offset: 2.439 ms
Remote clock offset: -3.297 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.67 Mbit/s
95th percentile per-packet one-way delay: 19.472 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 69.36 Mbit/s
95th percentile per-packet one-way delay: 20.003 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 18.959 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 20.731 ms
Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link

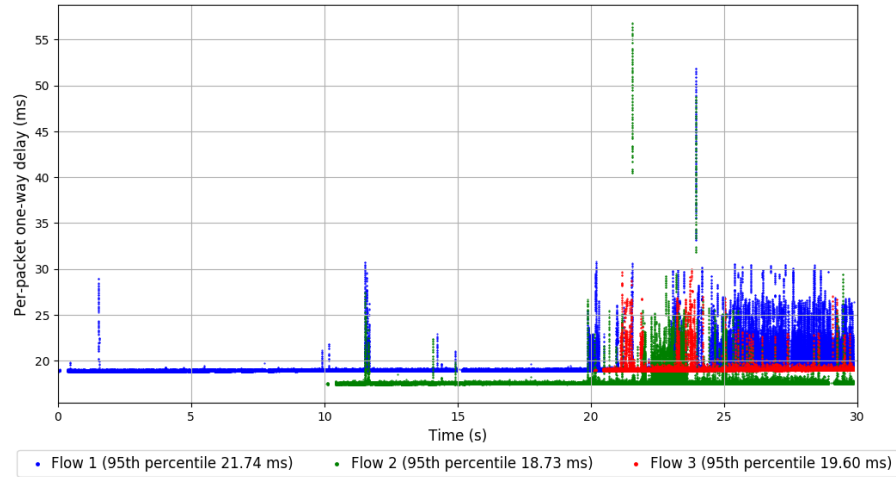
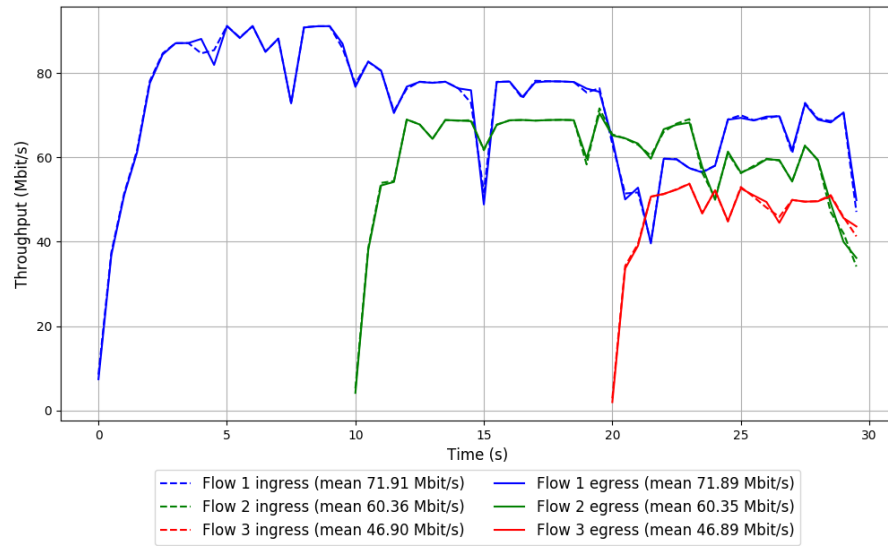


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-20 16:59:01
End at: 2018-02-20 16:59:31
Local clock offset: 5.99 ms
Remote clock offset: -4.426 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.21 Mbit/s
95th percentile per-packet one-way delay: 20.984 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 21.736 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 60.35 Mbit/s
95th percentile per-packet one-way delay: 18.725 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 19.603 ms
Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link

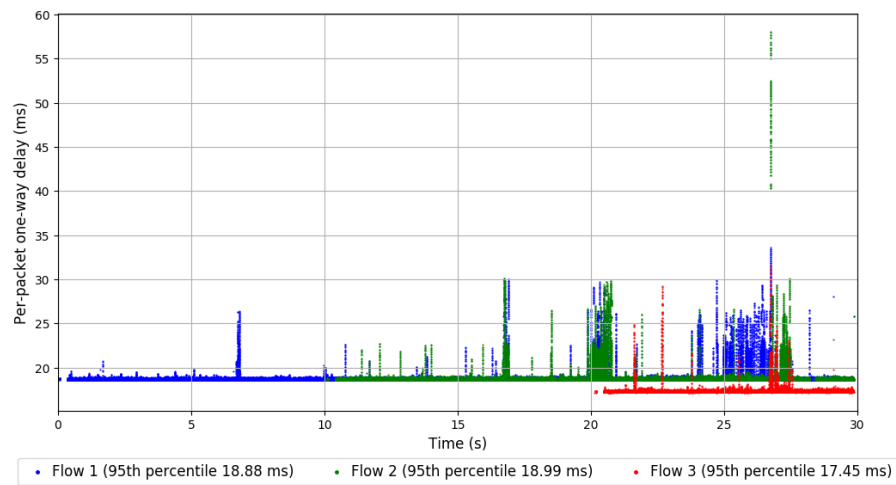
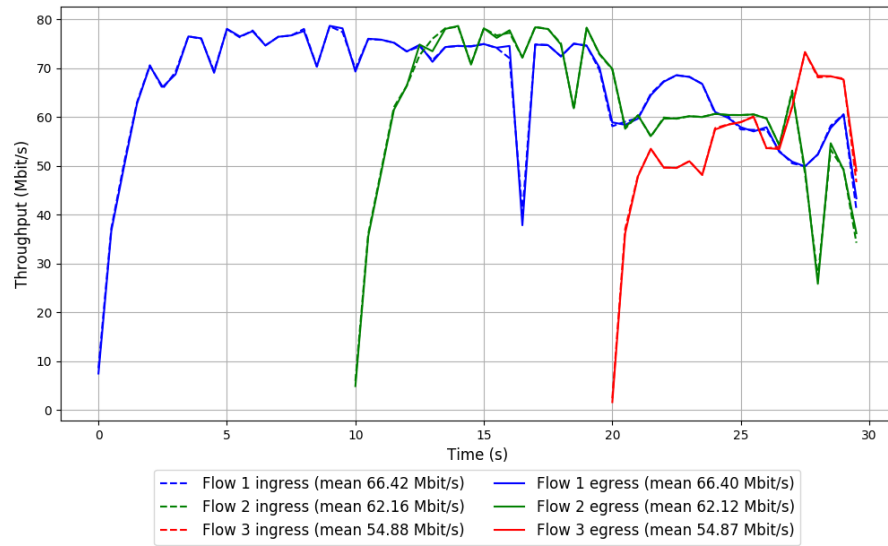


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-20 17:28:16
End at: 2018-02-20 17:28:46
Local clock offset: 7.466 ms
Remote clock offset: -6.963 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.50 Mbit/s
95th percentile per-packet one-way delay: 18.873 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.40 Mbit/s
95th percentile per-packet one-way delay: 18.875 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 18.992 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 17.454 ms
Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link

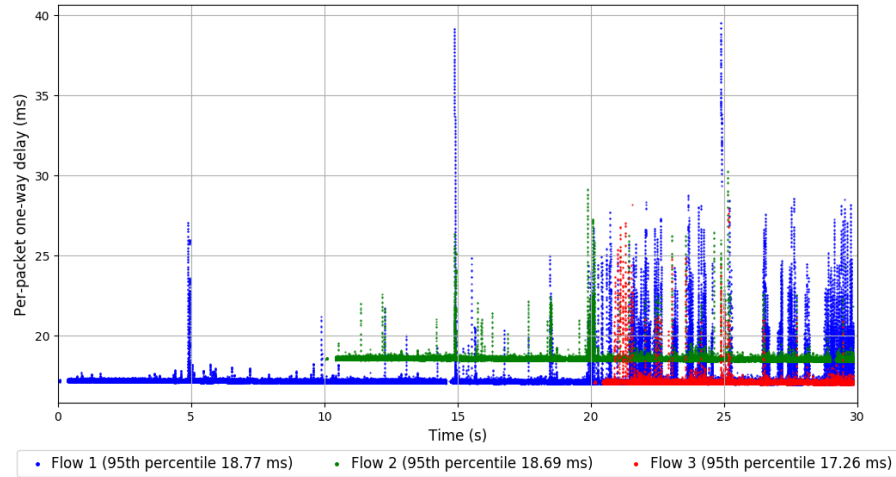
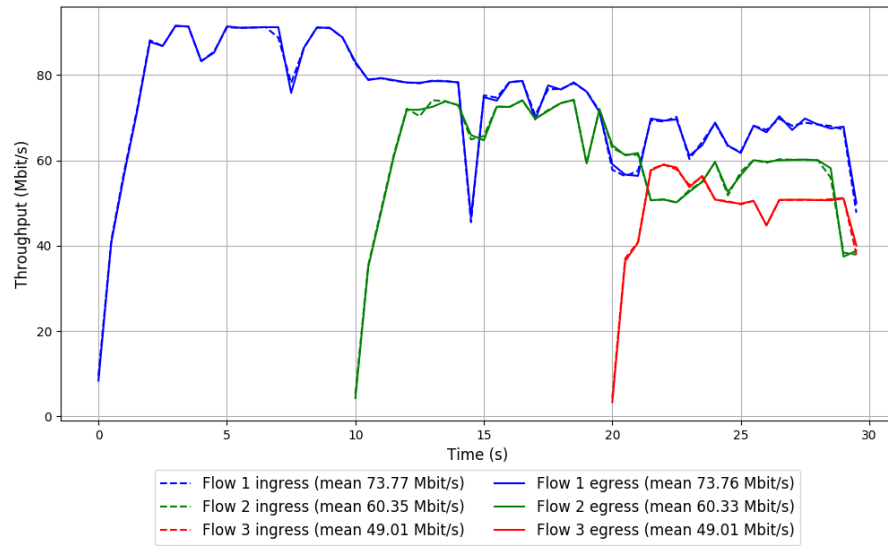


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-20 17:57:17
End at: 2018-02-20 17:57:47
Local clock offset: 0.614 ms
Remote clock offset: -6.886 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.83 Mbit/s
95th percentile per-packet one-way delay: 18.679 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.76 Mbit/s
95th percentile per-packet one-way delay: 18.767 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 18.692 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 17.258 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

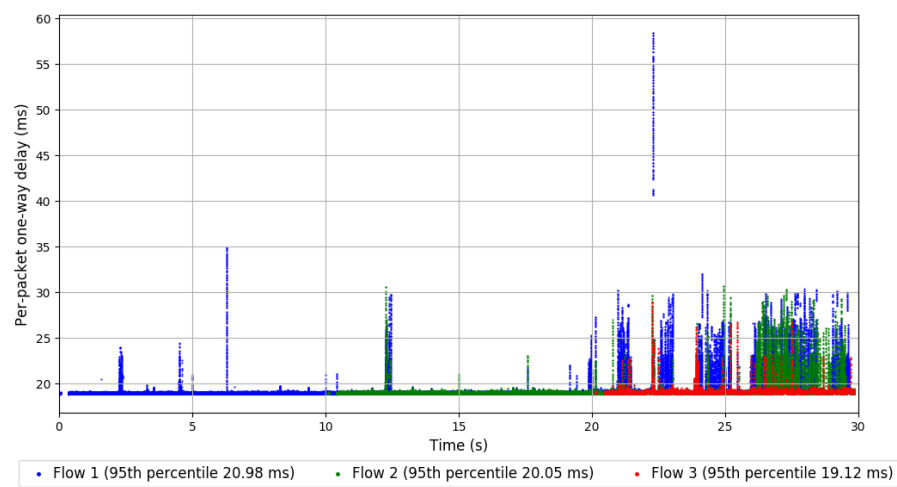
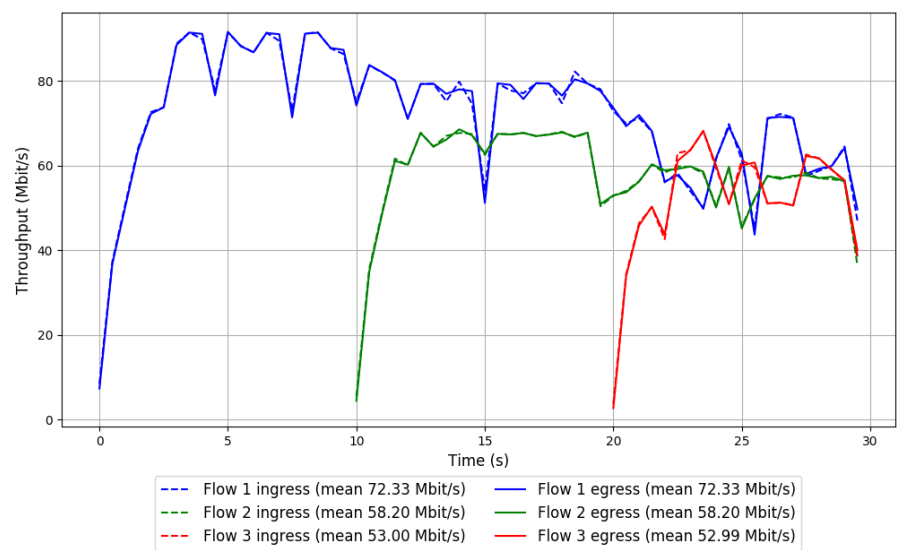


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-20 18:26:29
End at: 2018-02-20 18:26:59
Local clock offset: -2.0 ms
Remote clock offset: -5.599 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.27 Mbit/s
95th percentile per-packet one-way delay: 20.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.33 Mbit/s
95th percentile per-packet one-way delay: 20.979 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 20.047 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.99 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

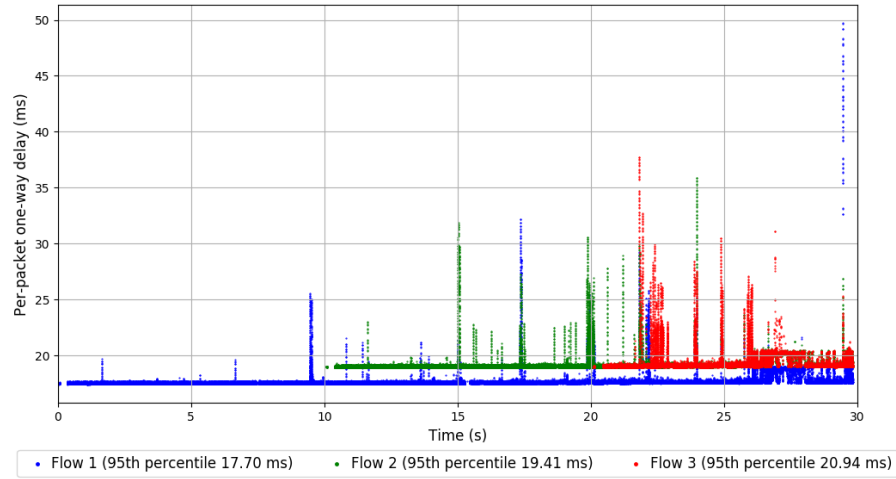
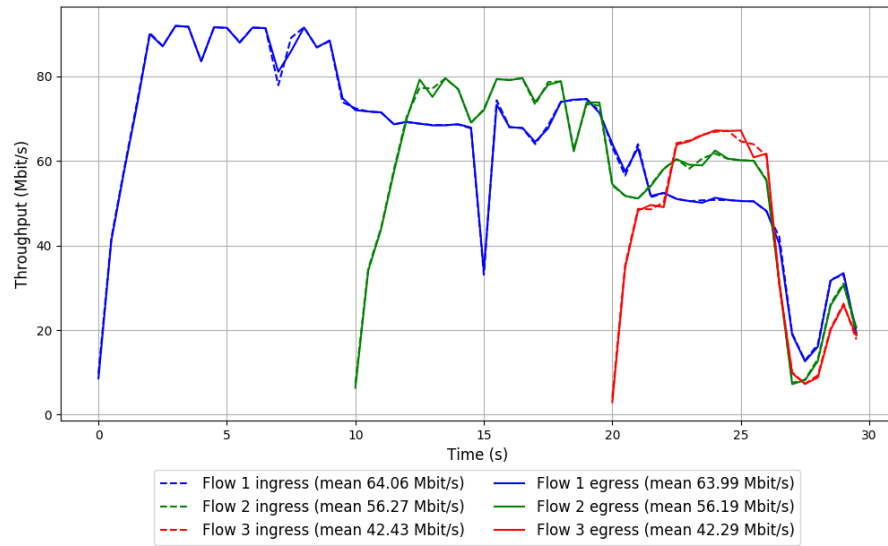


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-20 18:55:42
End at: 2018-02-20 18:56:12
Local clock offset: -0.852 ms
Remote clock offset: -4.839 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.12 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 17.696 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 19.411 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 20.941 ms
Loss rate: 0.32%

Run 9: Report of QUIC Cubic — Data Link

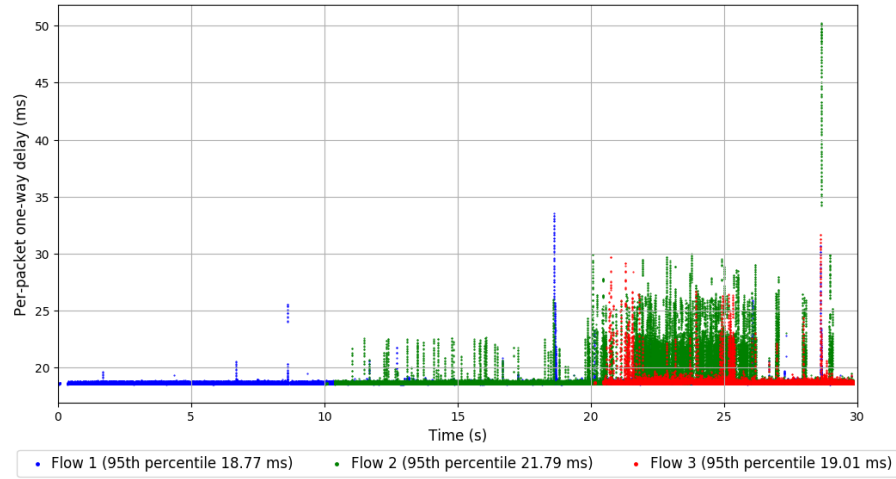
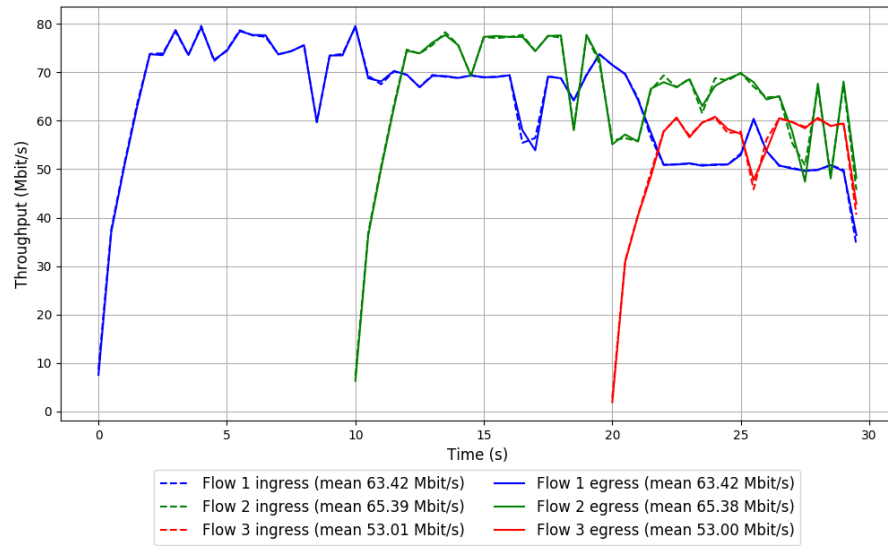


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-20 19:24:32
End at: 2018-02-20 19:25:02
Local clock offset: 1.113 ms
Remote clock offset: -5.049 ms

Below is generated by plot.py at 2018-02-20 22:53:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.17 Mbit/s
95th percentile per-packet one-way delay: 19.815 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 65.38 Mbit/s
95th percentile per-packet one-way delay: 21.792 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.02%

Run 10: Report of QUIC Cubic — Data Link

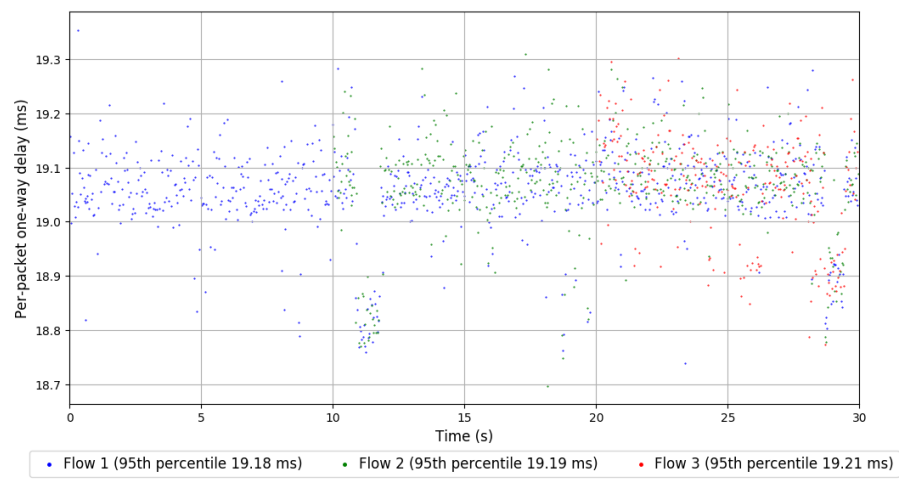
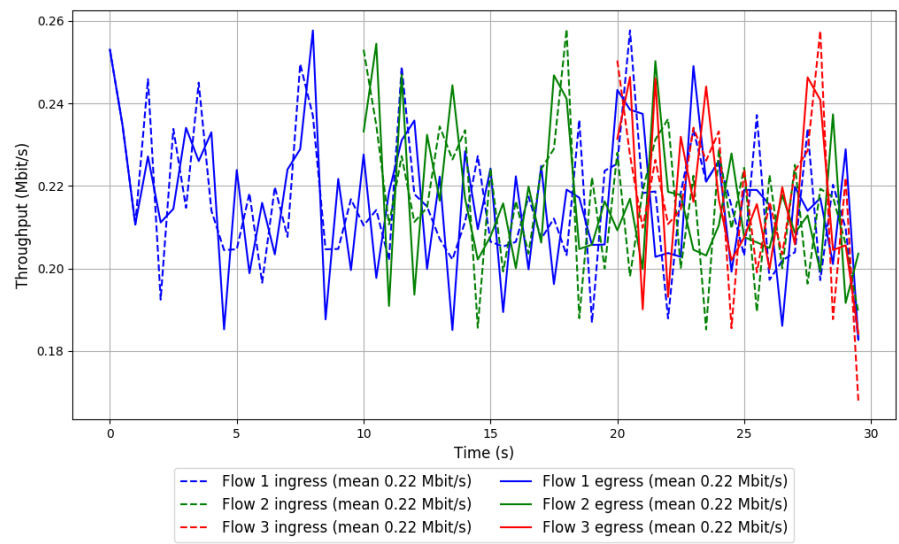


Run 1: Statistics of SReAM

Start at: 2018-02-20 15:05:16
End at: 2018-02-20 15:05:46
Local clock offset: 4.779 ms
Remote clock offset: -6.816 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.211 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

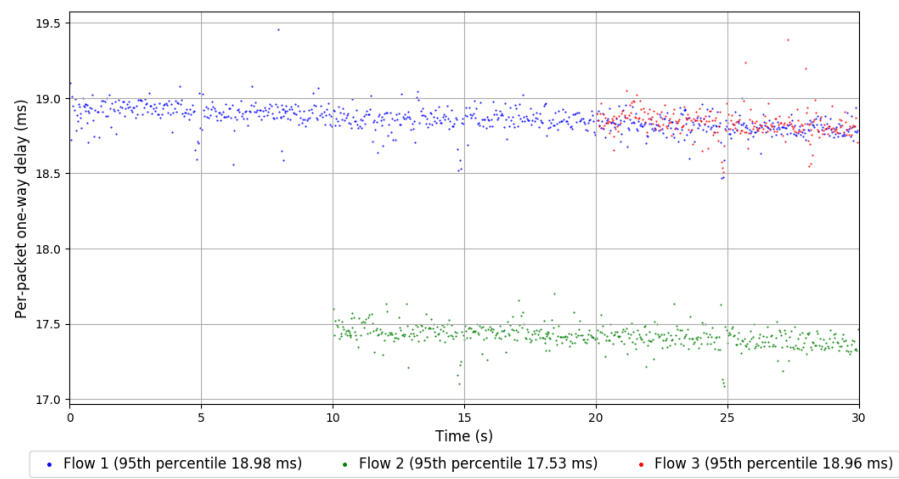
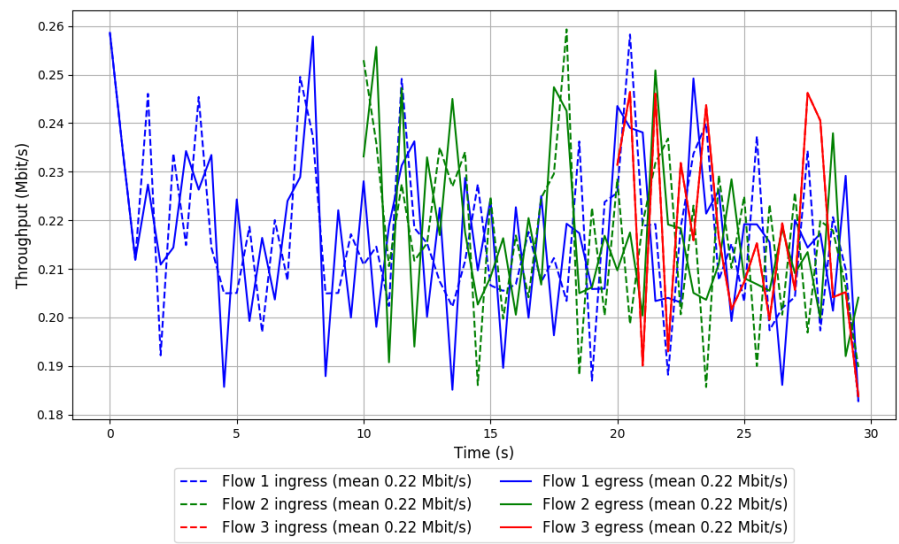


Run 2: Statistics of SReAM

Start at: 2018-02-20 15:34:30
End at: 2018-02-20 15:35:00
Local clock offset: 3.042 ms
Remote clock offset: -6.332 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.977 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.528 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.964 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

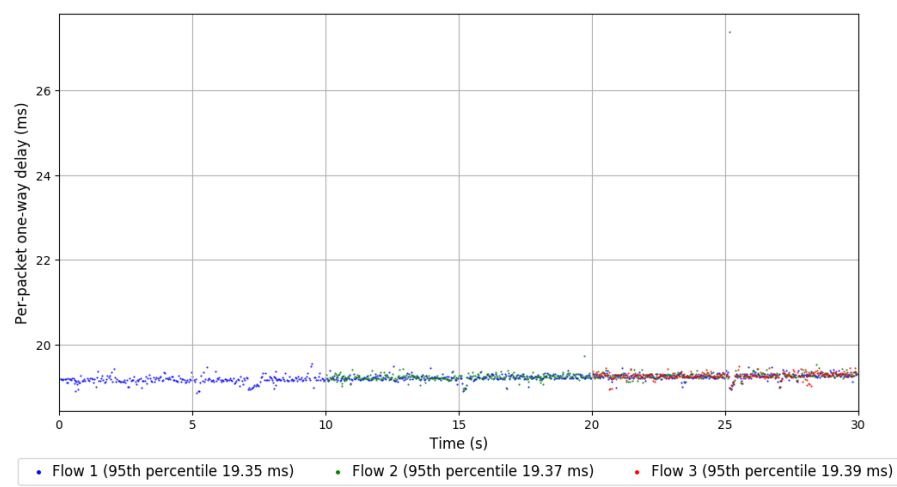
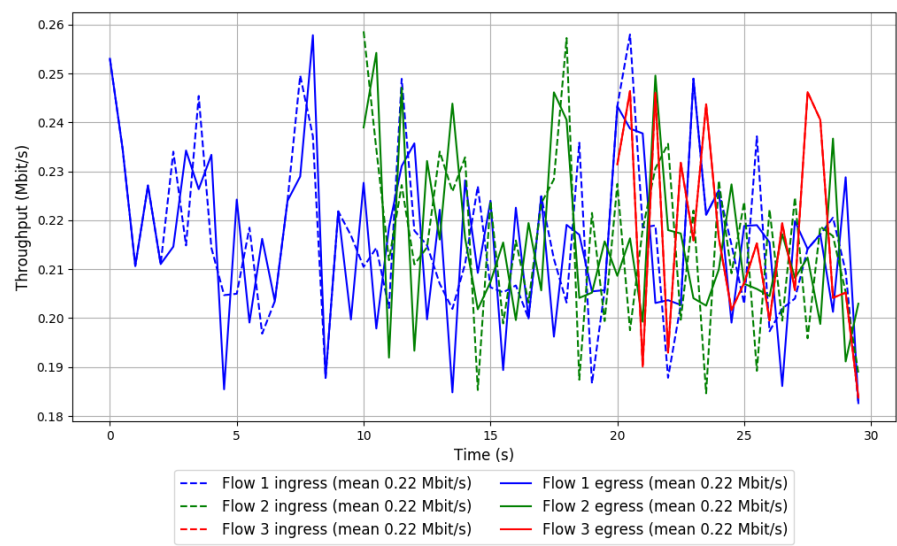


Run 3: Statistics of SReAM

Start at: 2018-02-20 16:03:39
End at: 2018-02-20 16:04:09
Local clock offset: -0.57 ms
Remote clock offset: -4.236 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

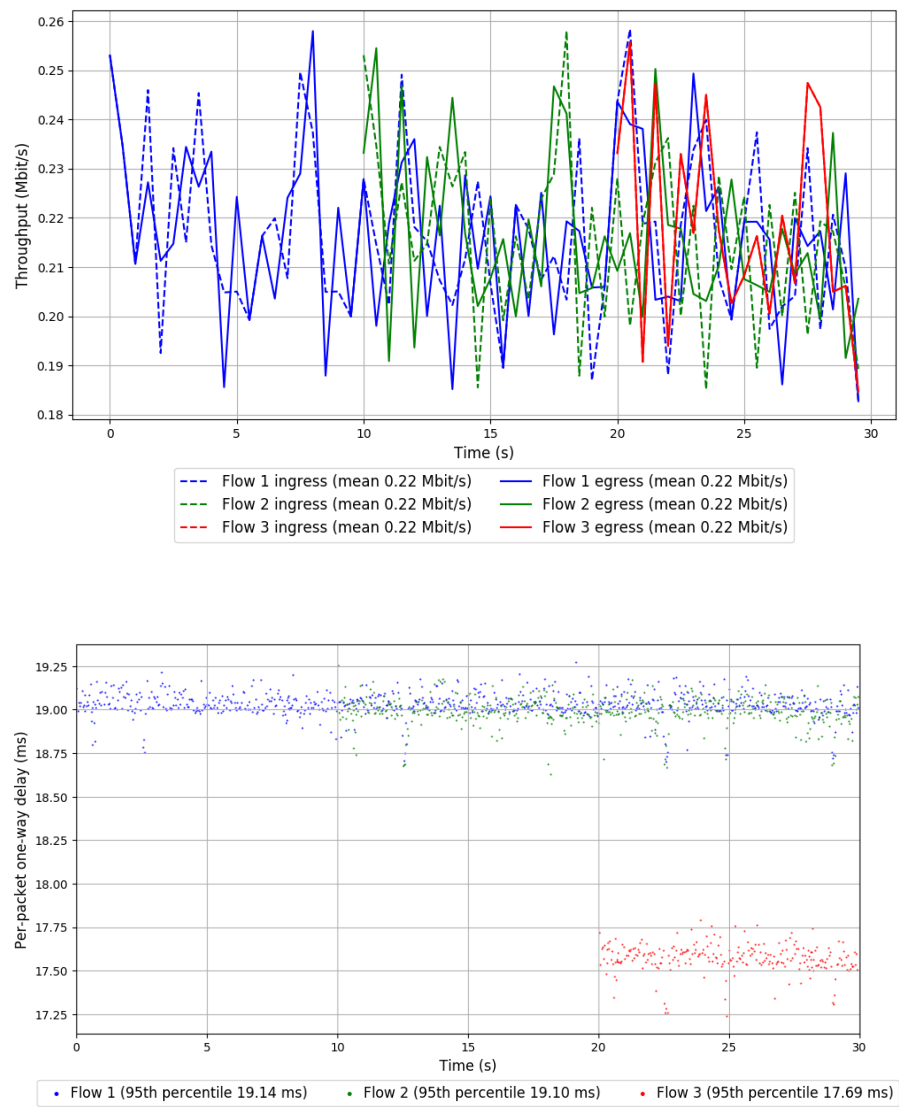


Run 4: Statistics of SReAM

Start at: 2018-02-20 16:32:41
End at: 2018-02-20 16:33:11
Local clock offset: 2.527 ms
Remote clock offset: -3.205 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.691 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-02-20 17:02:00

End at: 2018-02-20 17:02:30

Local clock offset: 6.17 ms

Remote clock offset: -5.14 ms

Below is generated by plot.py at 2018-02-20 22:54:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.189 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.166 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.180 ms

Loss rate: 0.00%

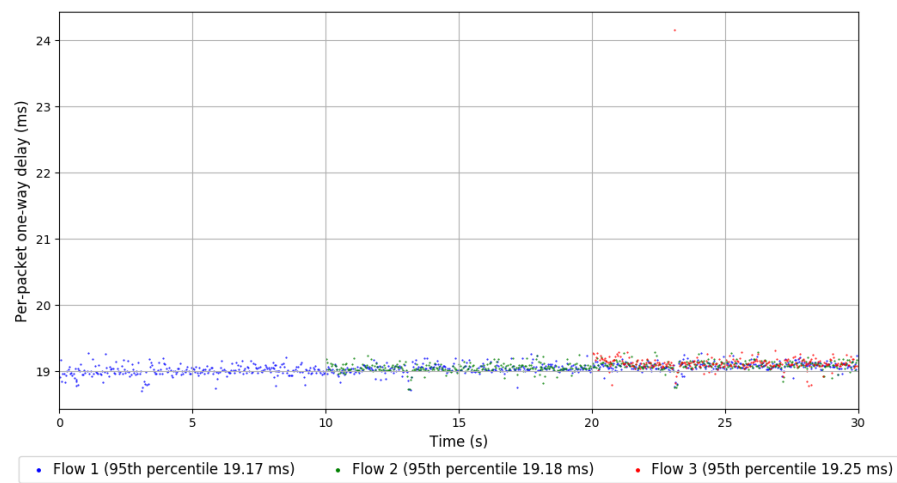
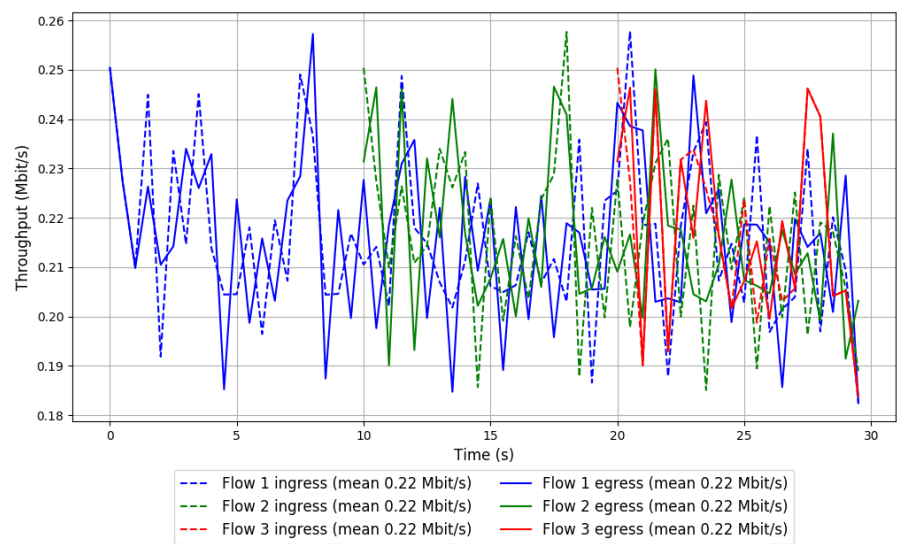
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.255 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

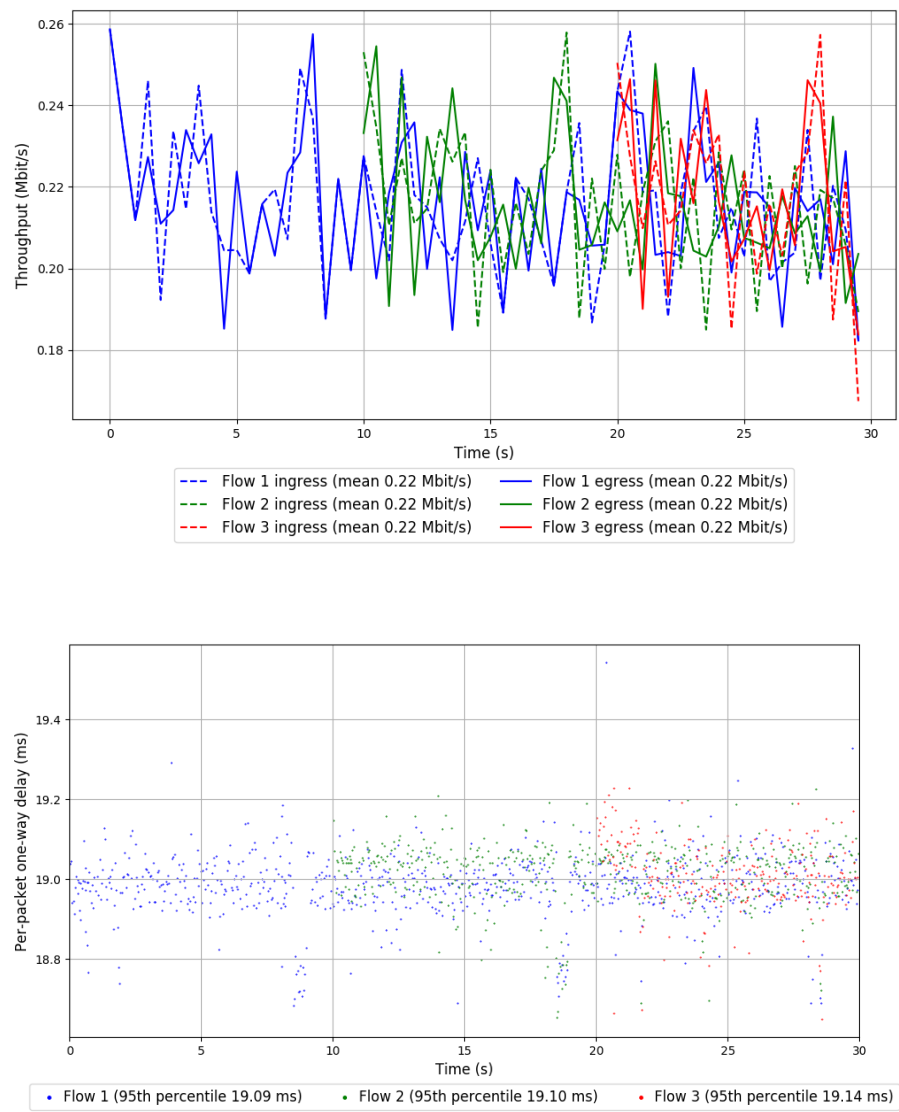


Run 6: Statistics of SReAM

Start at: 2018-02-20 17:31:14
End at: 2018-02-20 17:31:44
Local clock offset: 7.604 ms
Remote clock offset: -6.823 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.103 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

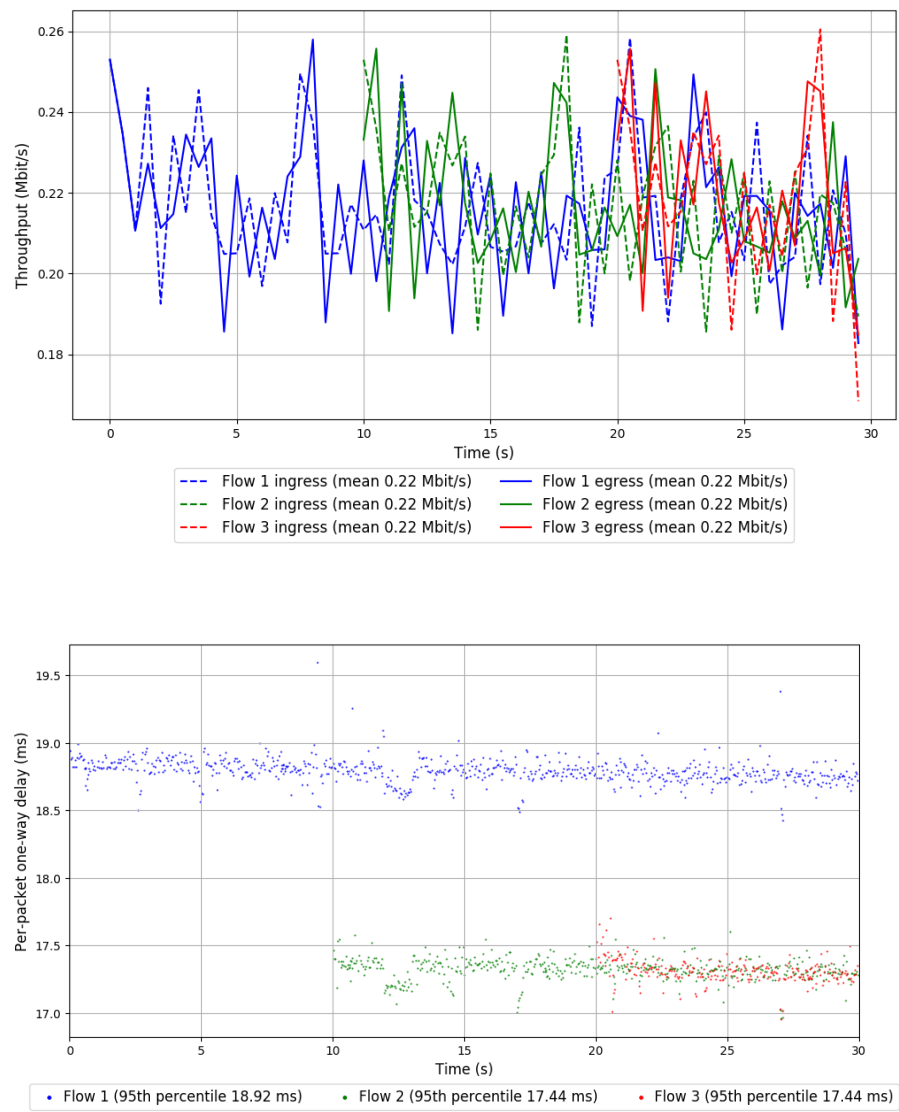


Run 7: Statistics of SReAM

Start at: 2018-02-20 18:00:15
End at: 2018-02-20 18:00:45
Local clock offset: -0.257 ms
Remote clock offset: -6.973 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.919 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.442 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

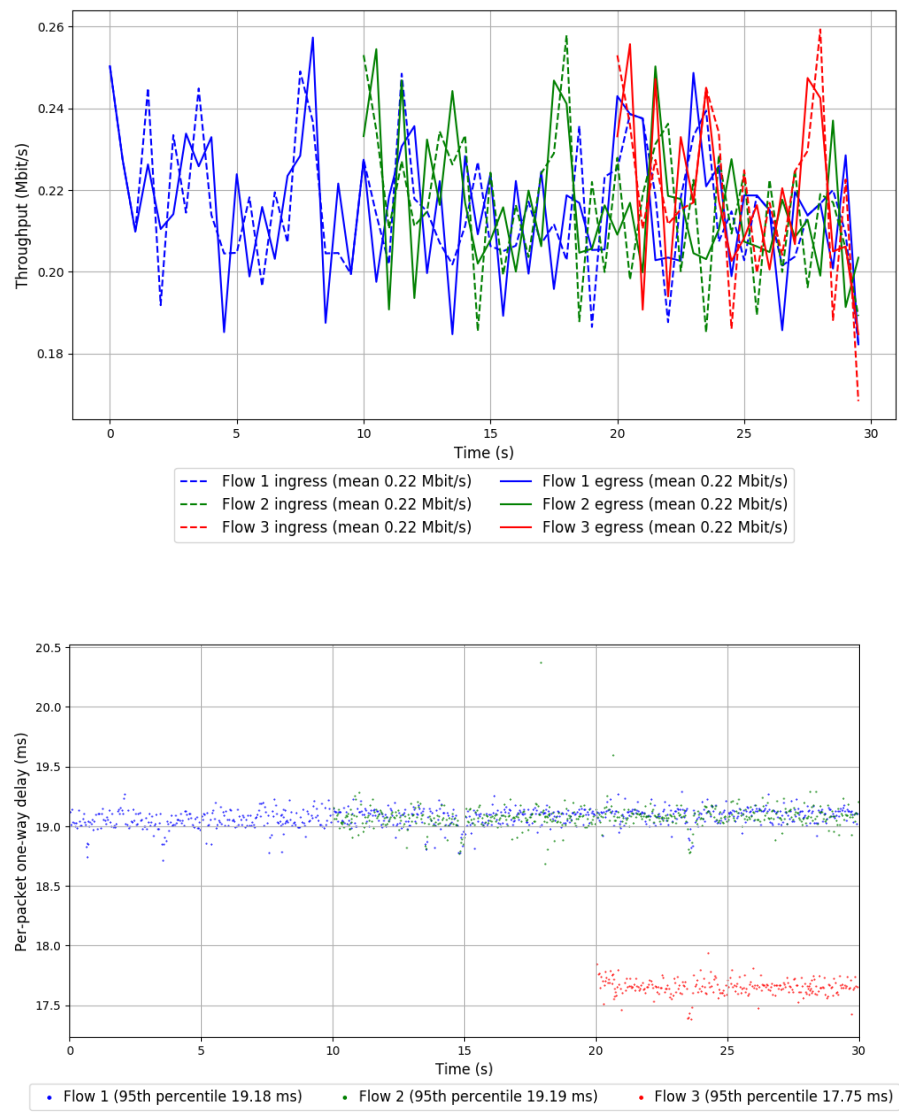


Run 8: Statistics of SReAM

Start at: 2018-02-20 18:29:28
End at: 2018-02-20 18:29:58
Local clock offset: -1.624 ms
Remote clock offset: -5.647 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.754 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

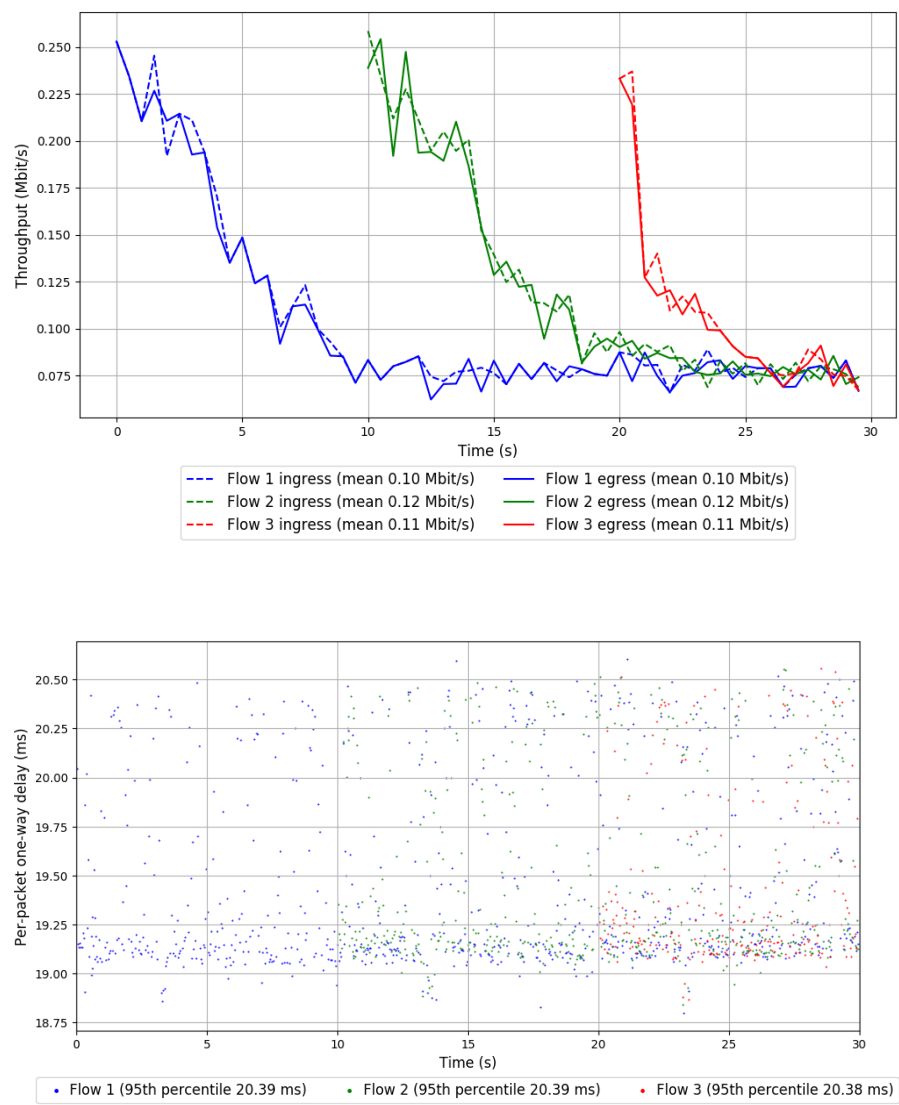


Run 9: Statistics of SCReAM

Start at: 2018-02-20 18:59:18
End at: 2018-02-20 18:59:48
Local clock offset: -0.177 ms
Remote clock offset: -4.778 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.390 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 20.390 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 20.395 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 20.380 ms
Loss rate: 2.05%

Run 9: Report of SReAM — Data Link

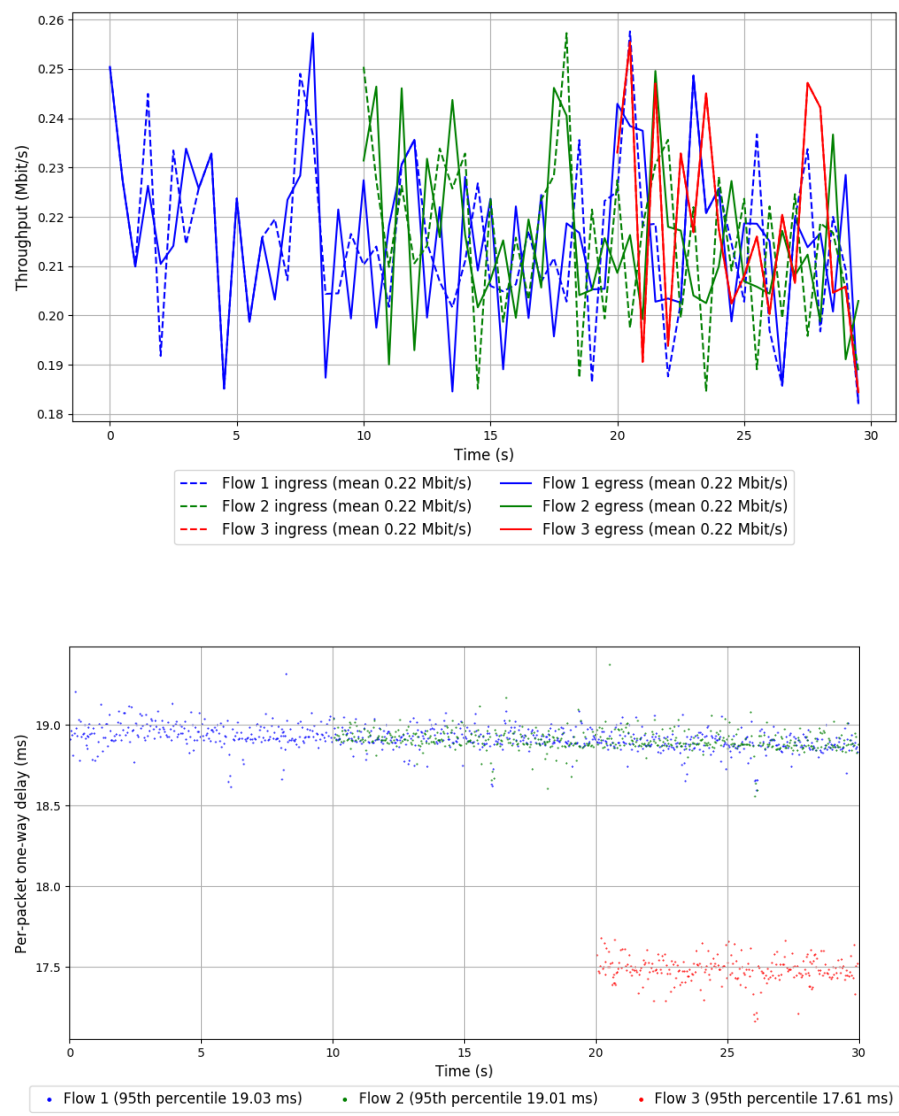


Run 10: Statistics of SReAM

Start at: 2018-02-20 19:27:35
End at: 2018-02-20 19:28:05
Local clock offset: 1.115 ms
Remote clock offset: -4.988 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.605 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

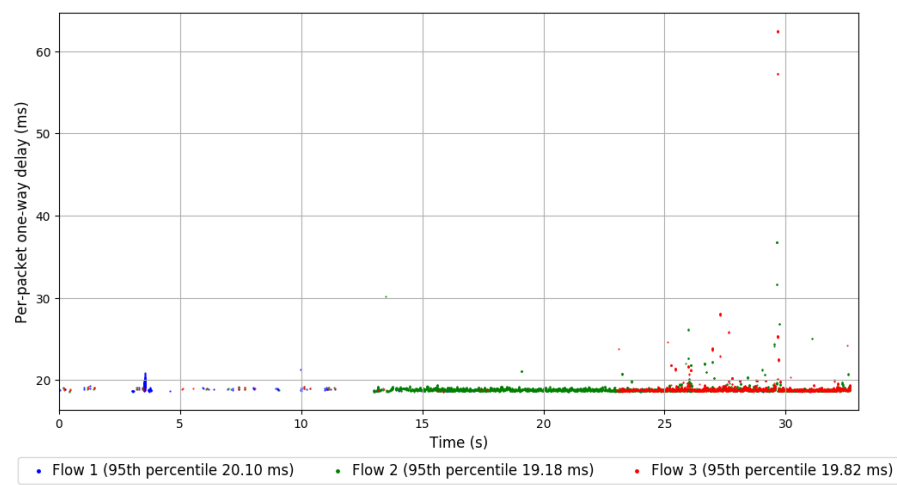
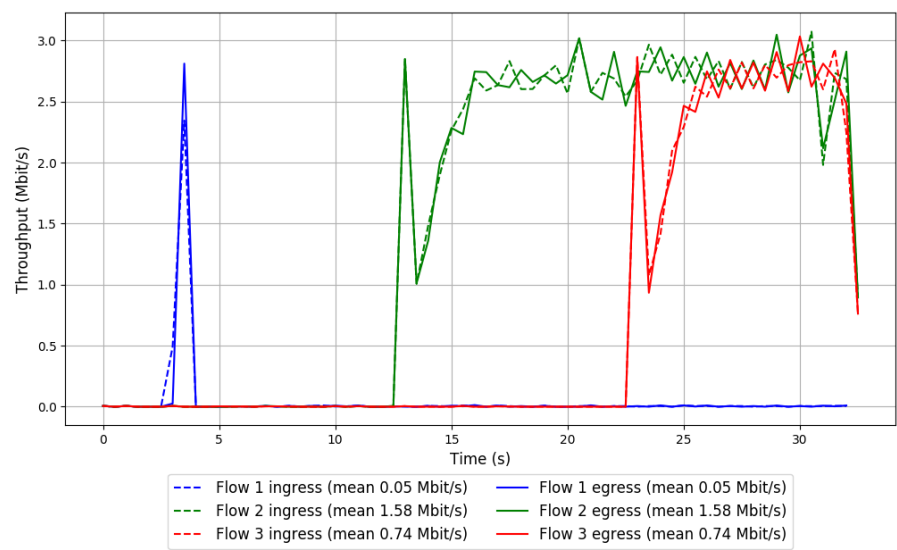


Run 1: Statistics of WebRTC media

Start at: 2018-02-20 14:51:08
End at: 2018-02-20 14:51:38
Local clock offset: 4.334 ms
Remote clock offset: -6.652 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 20.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 19.816 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

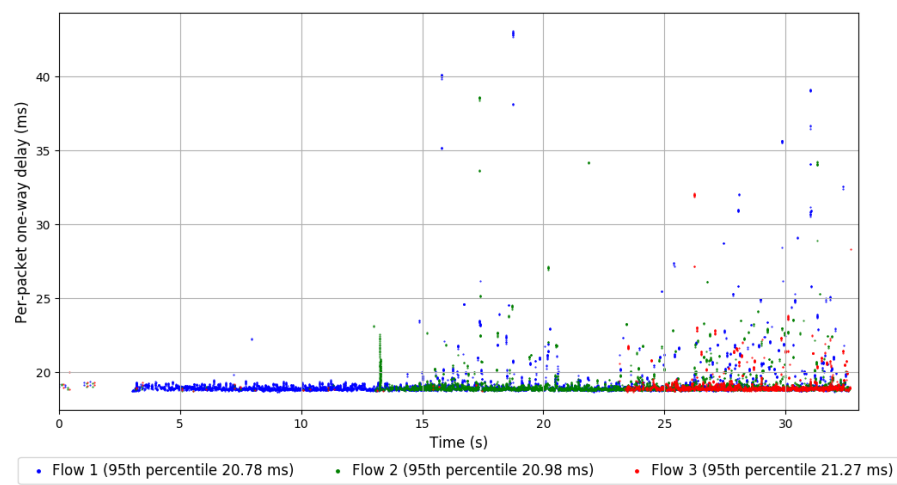
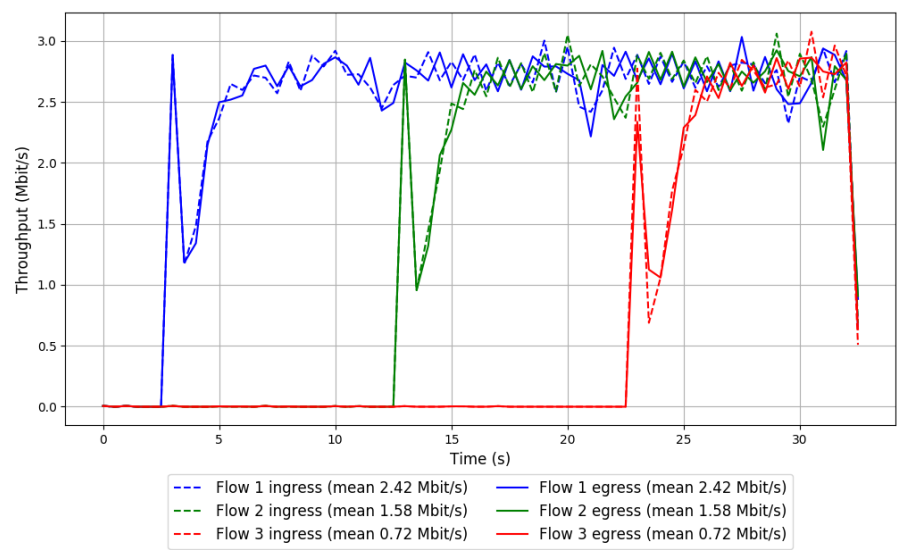


Run 2: Statistics of WebRTC media

Start at: 2018-02-20 15:20:29
End at: 2018-02-20 15:20:59
Local clock offset: 5.271 ms
Remote clock offset: -6.515 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 20.990 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 20.778 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 20.984 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 21.275 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

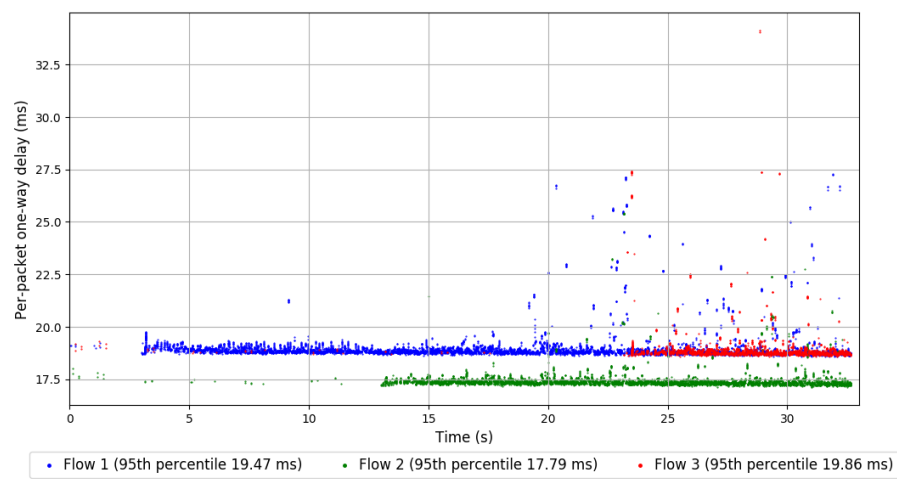
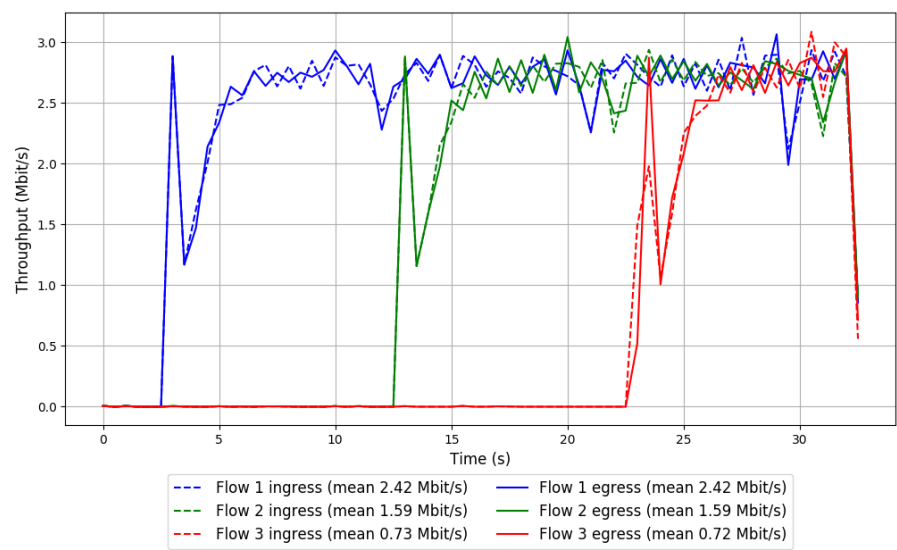


Run 3: Statistics of WebRTC media

Start at: 2018-02-20 15:49:48
End at: 2018-02-20 15:50:18
Local clock offset: 0.223 ms
Remote clock offset: -5.339 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 19.469 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 17.787 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 19.860 ms
Loss rate: 0.04%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-02-20 16:18:45

End at: 2018-02-20 16:19:15

Local clock offset: 1.97 ms

Remote clock offset: -3.69 ms

Below is generated by plot.py at 2018-02-20 22:54:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 18.990 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 17.688 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 19.073 ms

Loss rate: 0.02%

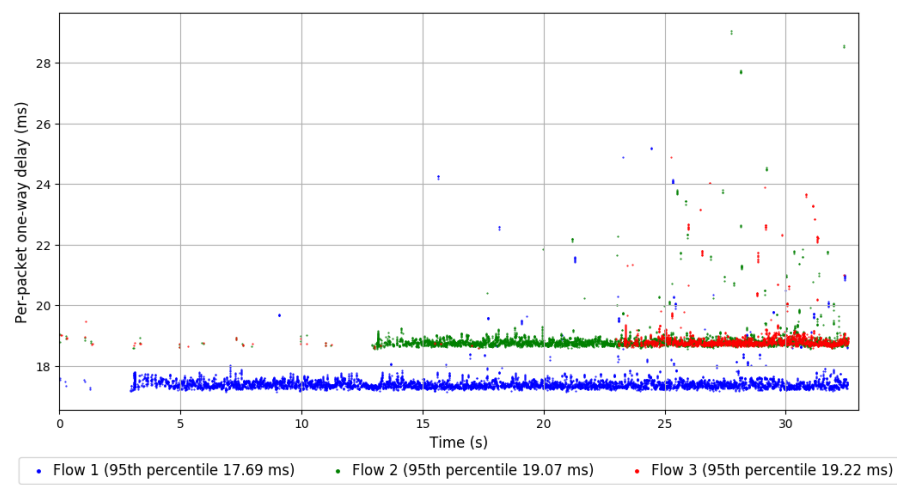
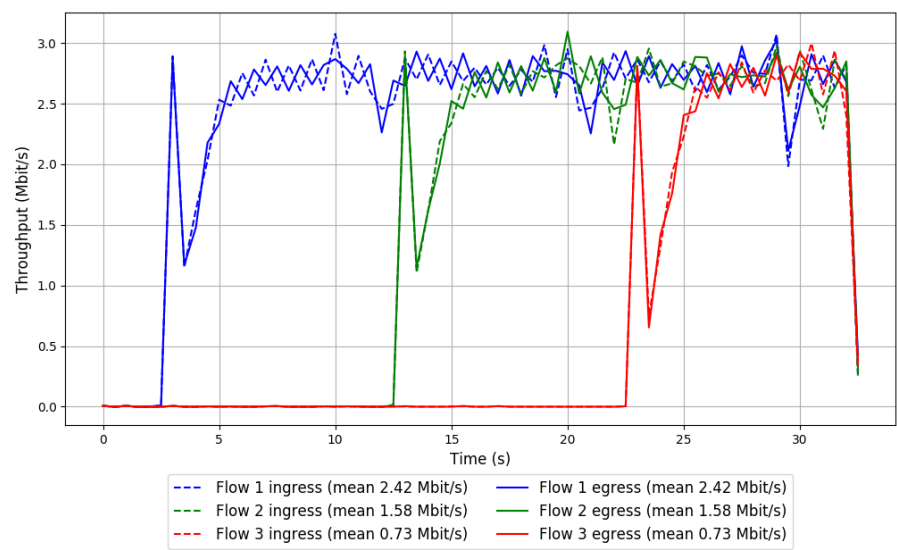
-- Flow 3:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 19.216 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-02-20 16:47:48

End at: 2018-02-20 16:48:18

Local clock offset: 4.938 ms

Remote clock offset: -2.84 ms

Below is generated by plot.py at 2018-02-20 22:54:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 19.321 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 19.198 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 19.376 ms

Loss rate: 0.00%

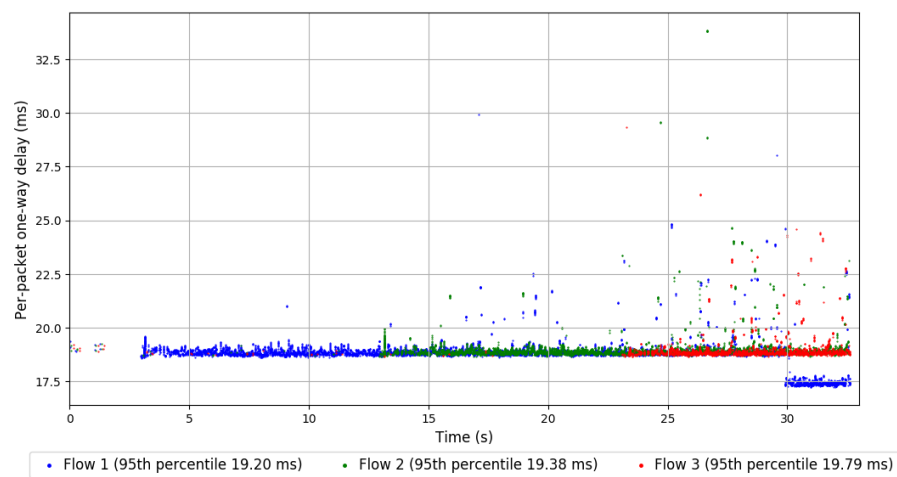
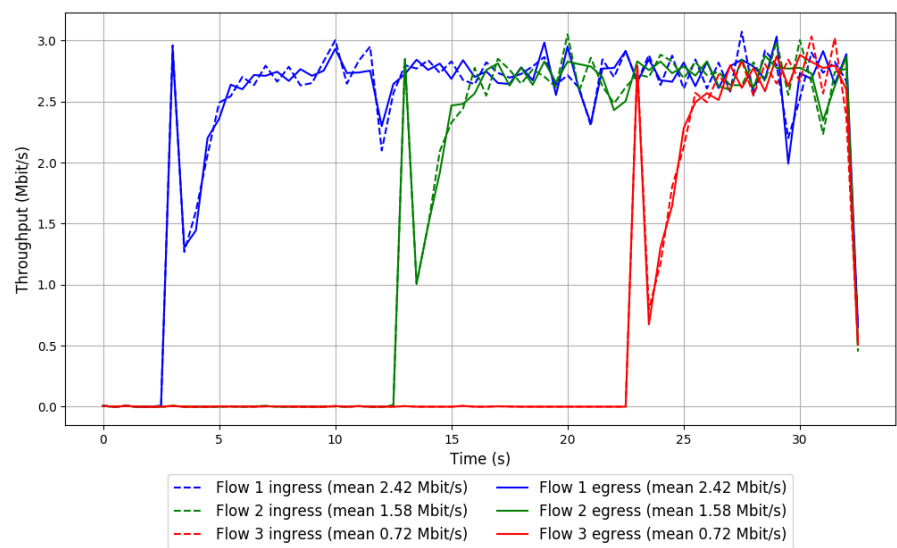
-- Flow 3:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 19.793 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

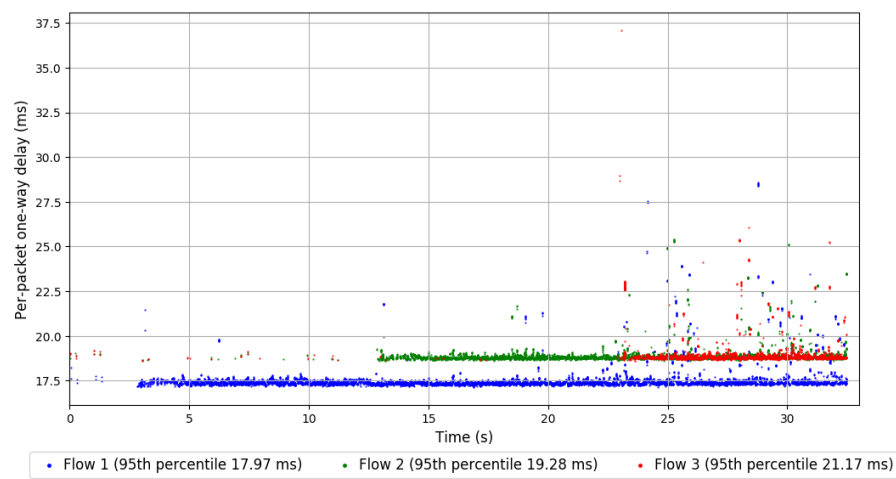
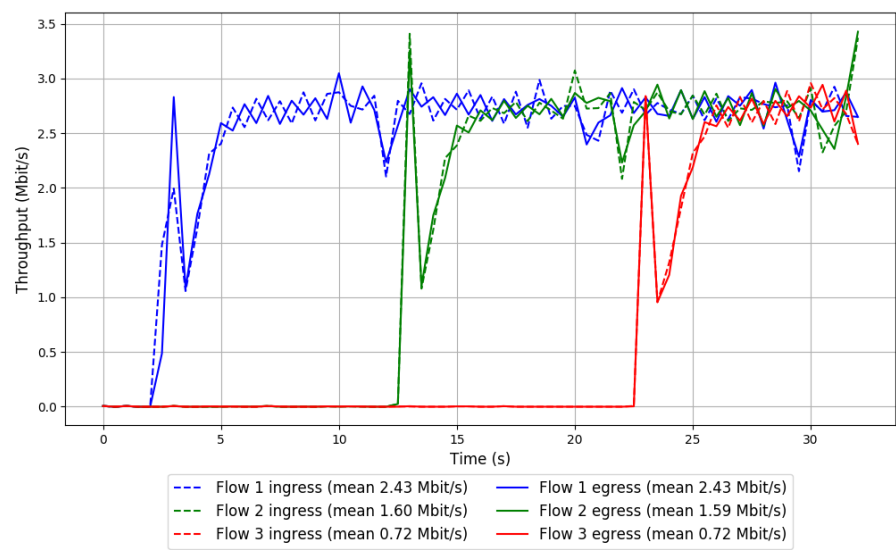


Run 6: Statistics of WebRTC media

Start at: 2018-02-20 17:17:12
End at: 2018-02-20 17:17:42
Local clock offset: 6.979 ms
Remote clock offset: -6.581 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 17.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 19.282 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 21.170 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

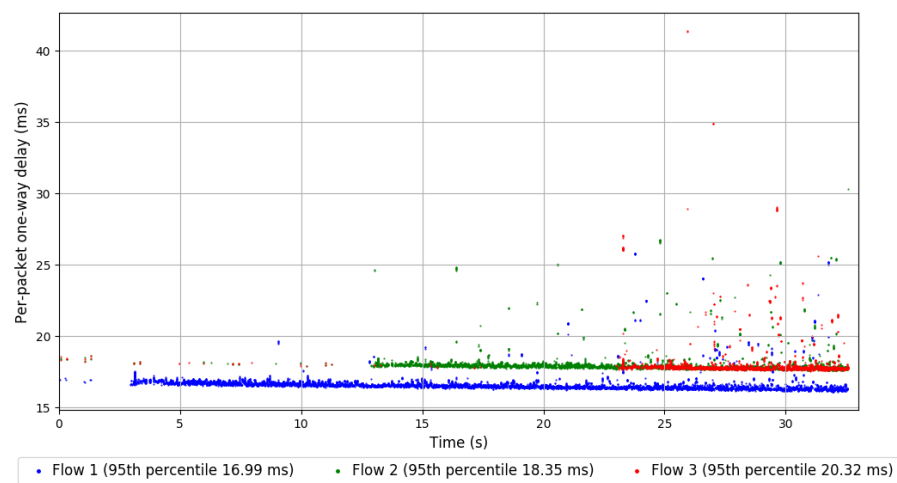
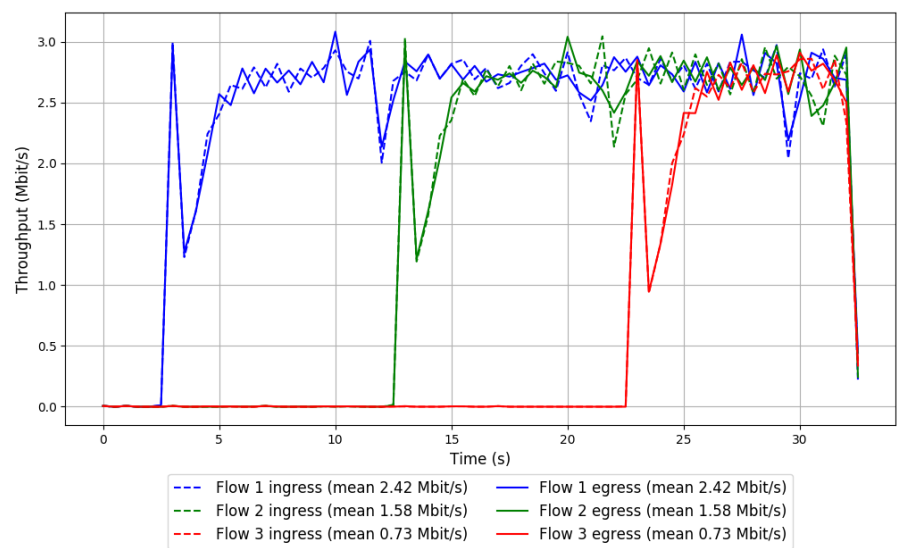


Run 7: Statistics of WebRTC media

Start at: 2018-02-20 17:46:14
End at: 2018-02-20 17:46:44
Local clock offset: 7.495 ms
Remote clock offset: -6.745 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 18.230 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 16.991 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 18.352 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 20.317 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

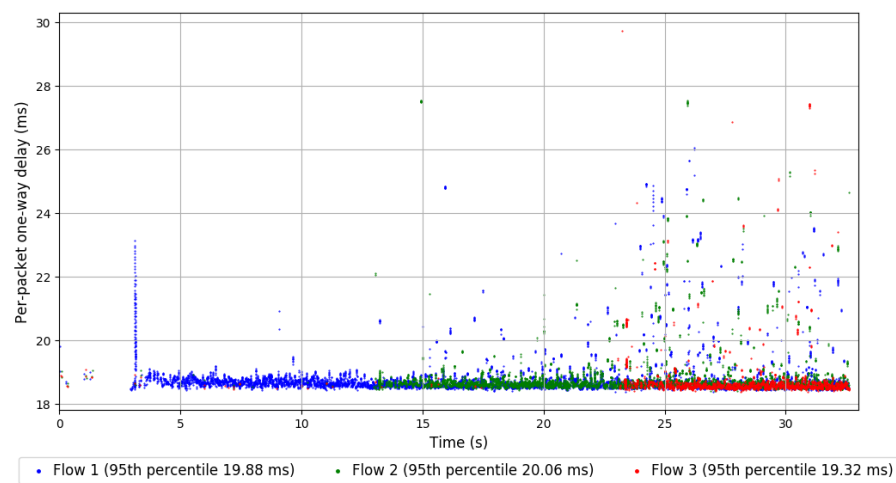
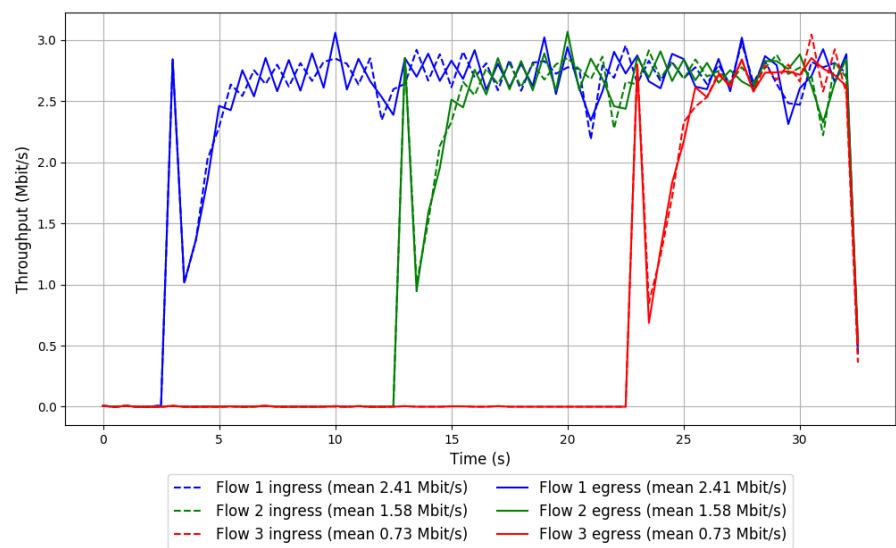


Run 8: Statistics of WebRTC media

Start at: 2018-02-20 18:15:29
End at: 2018-02-20 18:16:00
Local clock offset: -3.176 ms
Remote clock offset: -5.864 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 19.856 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.882 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 20.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 19.323 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

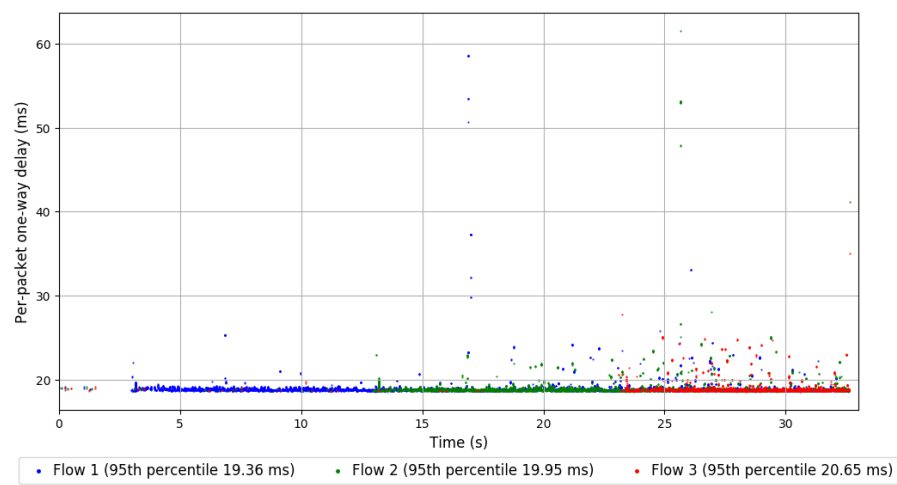
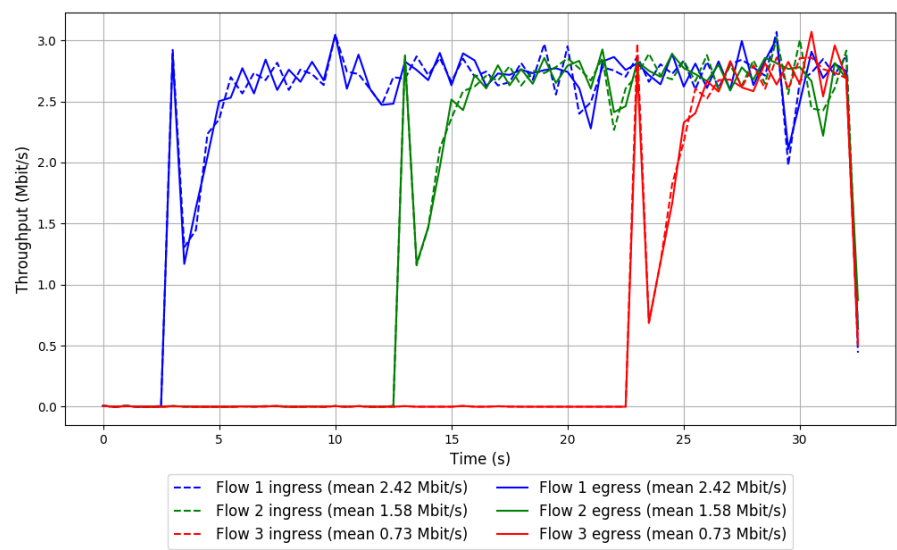


Run 9: Statistics of WebRTC media

Start at: 2018-02-20 18:44:37
End at: 2018-02-20 18:45:07
Local clock offset: -1.226 ms
Remote clock offset: -5.159 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 19.650 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 19.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.946 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 20.649 ms
Loss rate: 0.41%

Run 9: Report of WebRTC media — Data Link

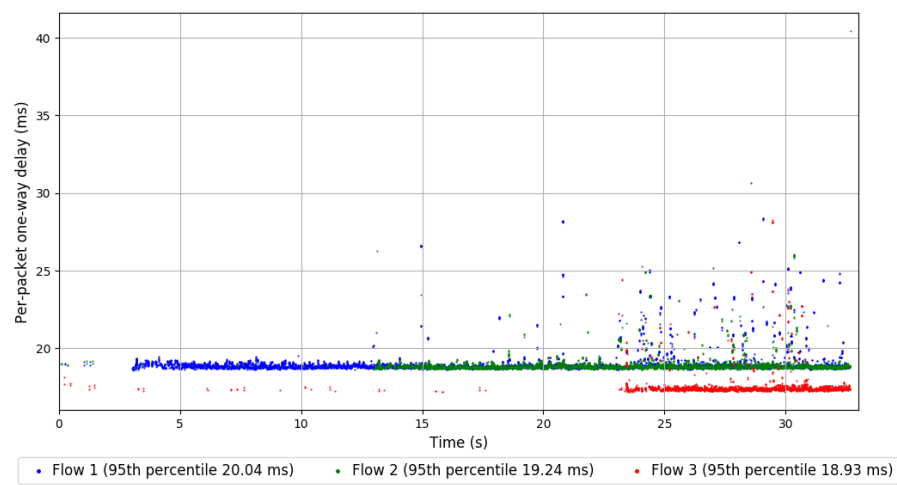
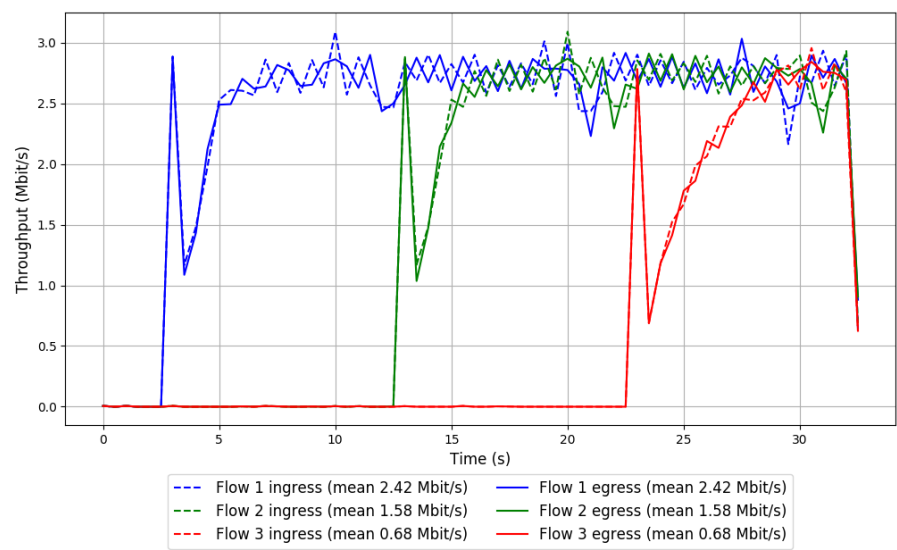


Run 10: Statistics of WebRTC media

Start at: 2018-02-20 19:13:29
End at: 2018-02-20 19:13:59
Local clock offset: 0.89 ms
Remote clock offset: -4.889 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 19.557 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 20.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 18.928 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

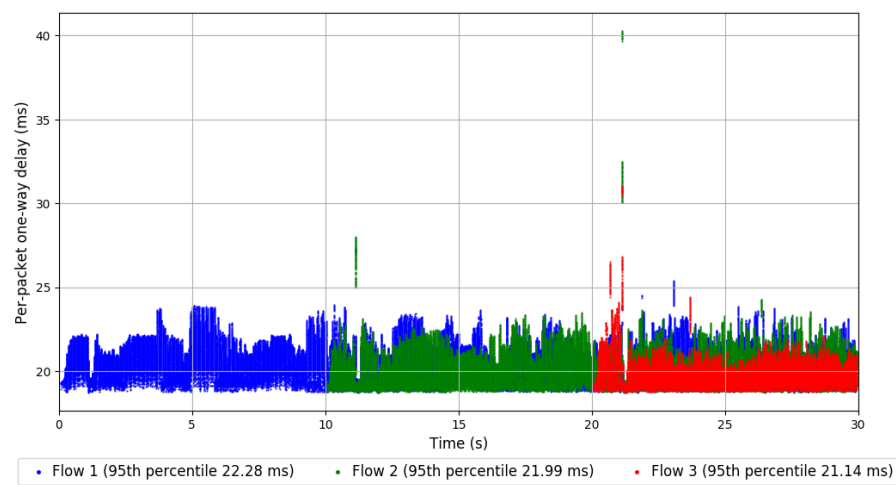
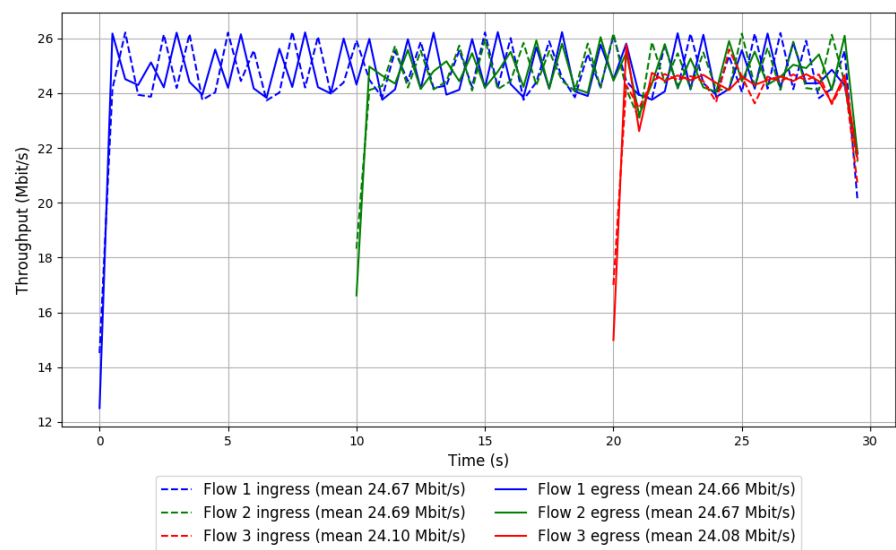


Run 1: Statistics of Sprout

Start at: 2018-02-20 14:53:54
End at: 2018-02-20 14:54:24
Local clock offset: 4.465 ms
Remote clock offset: -6.611 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 22.088 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.281 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 21.991 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 21.141 ms
Loss rate: 0.05%

Run 1: Report of Sprout — Data Link

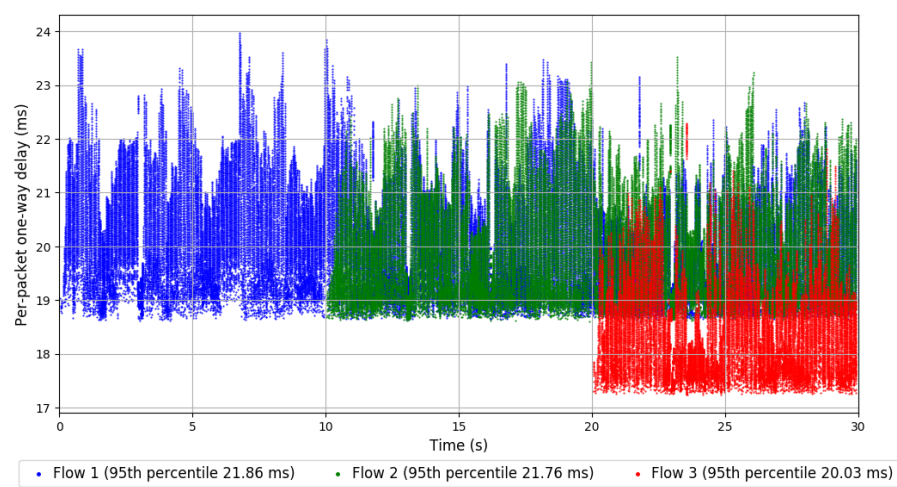
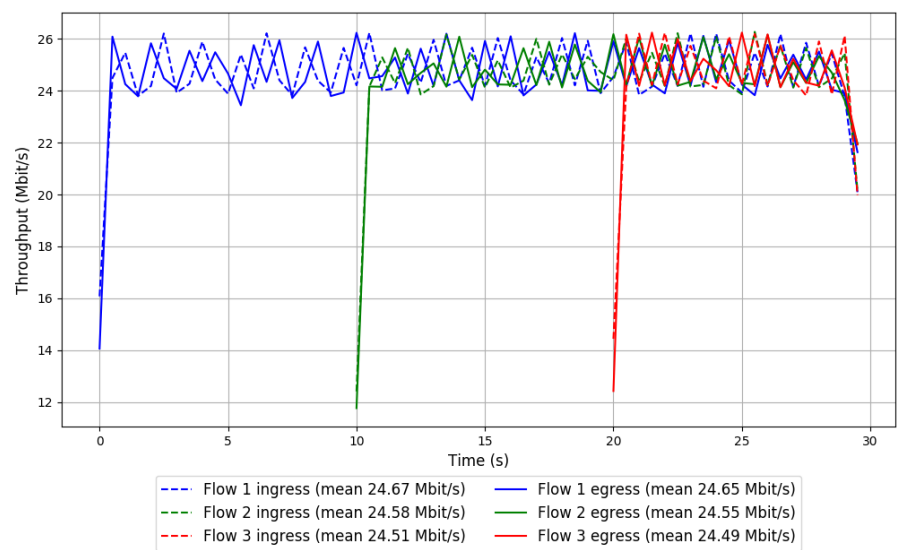


Run 2: Statistics of Sprout

Start at: 2018-02-20 15:23:12
End at: 2018-02-20 15:23:42
Local clock offset: 5.484 ms
Remote clock offset: -6.487 ms

```
# Below is generated by plot.py at 2018-02-20 22:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.06 Mbit/s
95th percentile per-packet one-way delay: 21.729 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 21.860 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 21.763 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 20.028 ms
Loss rate: 0.08%
```

Run 2: Report of Sprout — Data Link

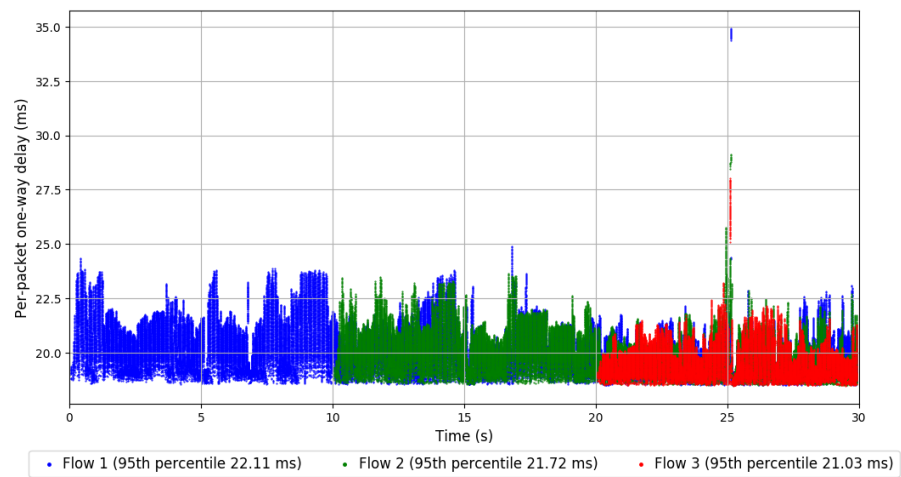
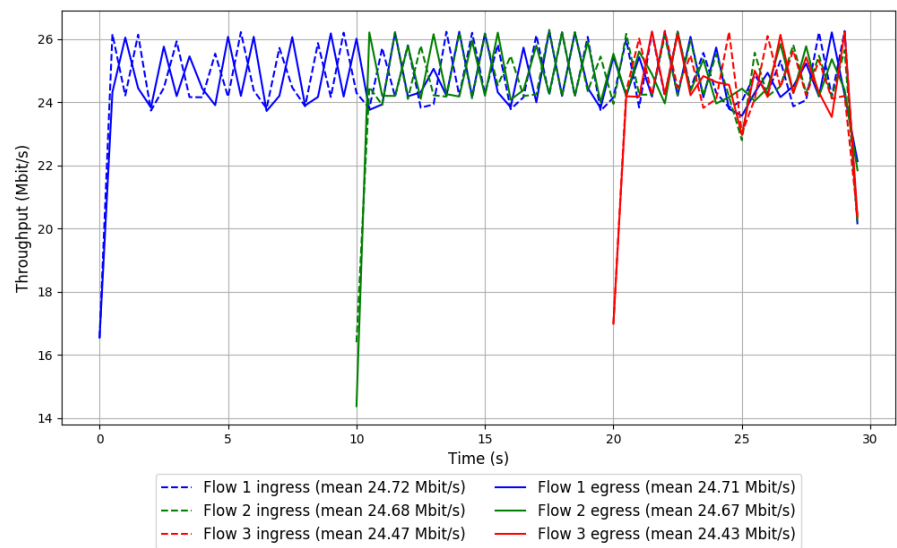


Run 3: Statistics of Sprout

Start at: 2018-02-20 15:52:29
End at: 2018-02-20 15:52:59
Local clock offset: 0.082 ms
Remote clock offset: -5.062 ms

```
# Below is generated by plot.py at 2018-02-20 22:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 21.827 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.109 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 21.724 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 21.030 ms
Loss rate: 0.18%
```


Run 3: Report of Sprout — Data Link

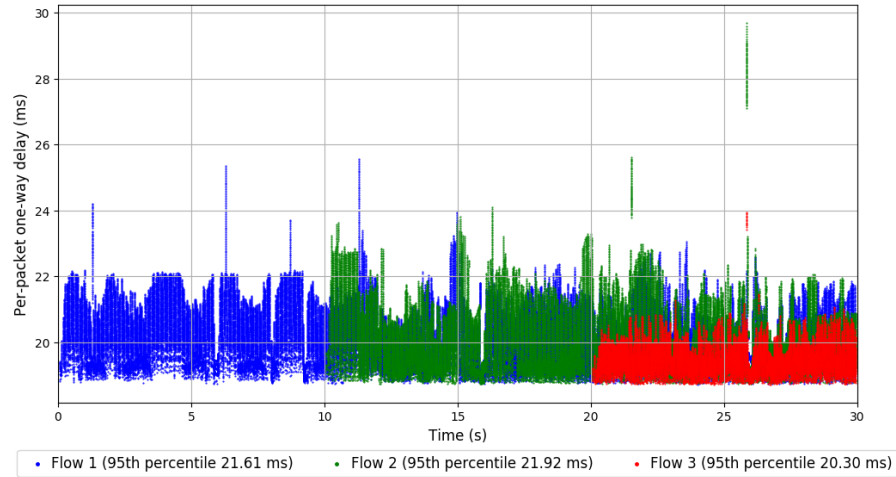
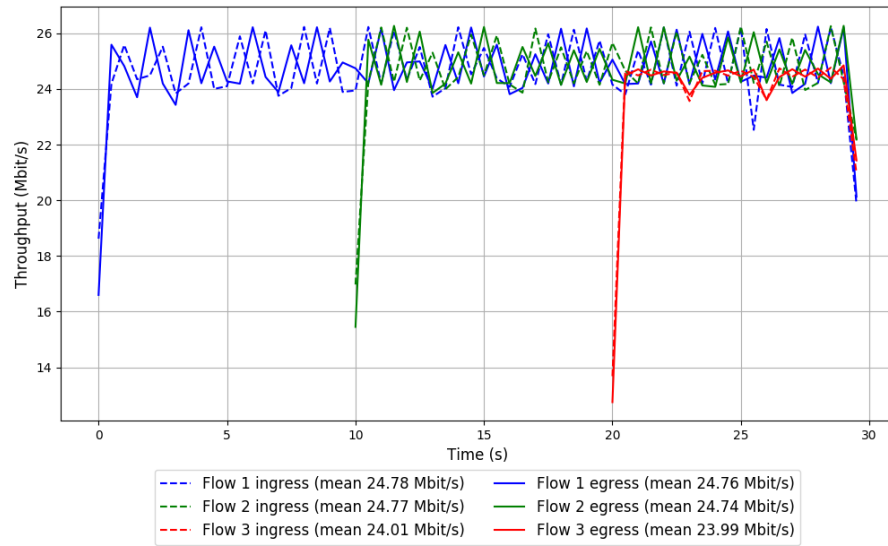


Run 4: Statistics of Sprout

Start at: 2018-02-20 16:21:28
End at: 2018-02-20 16:21:58
Local clock offset: 2.114 ms
Remote clock offset: -3.535 ms

```
# Below is generated by plot.py at 2018-02-20 22:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 21.635 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 21.613 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 21.923 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 20.300 ms
Loss rate: 0.05%
```

Run 4: Report of Sprout — Data Link

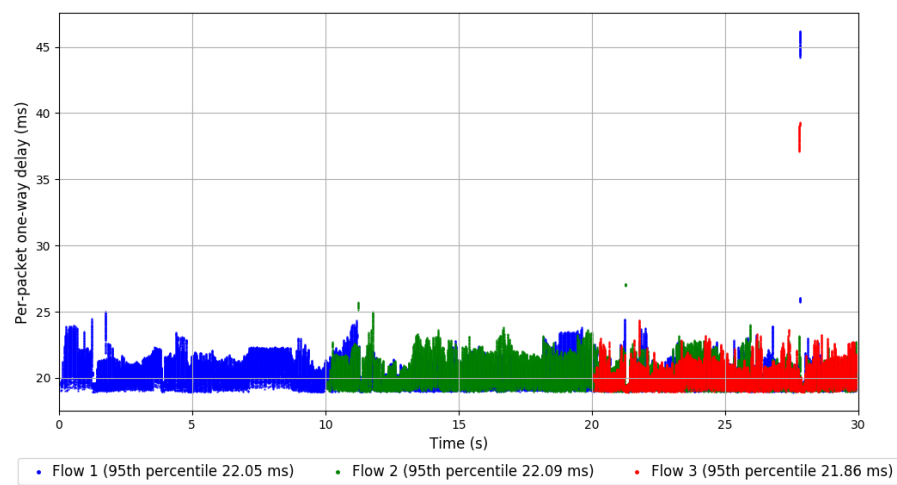
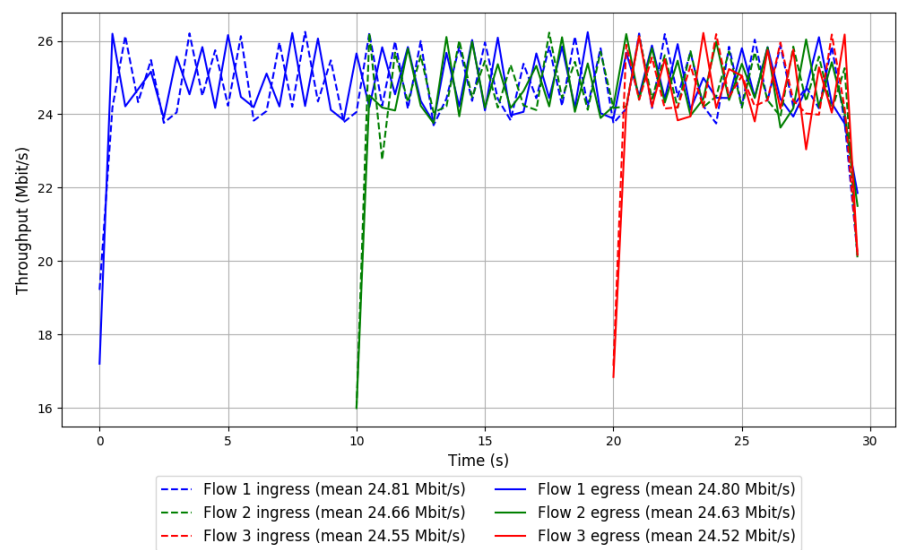


Run 5: Statistics of Sprout

Start at: 2018-02-20 16:50:32
End at: 2018-02-20 16:51:02
Local clock offset: 5.167 ms
Remote clock offset: -2.659 ms

```
# Below is generated by plot.py at 2018-02-20 22:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 22.039 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 22.046 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.63 Mbit/s
95th percentile per-packet one-way delay: 22.088 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 21.862 ms
Loss rate: 0.11%
```

Run 5: Report of Sprout — Data Link

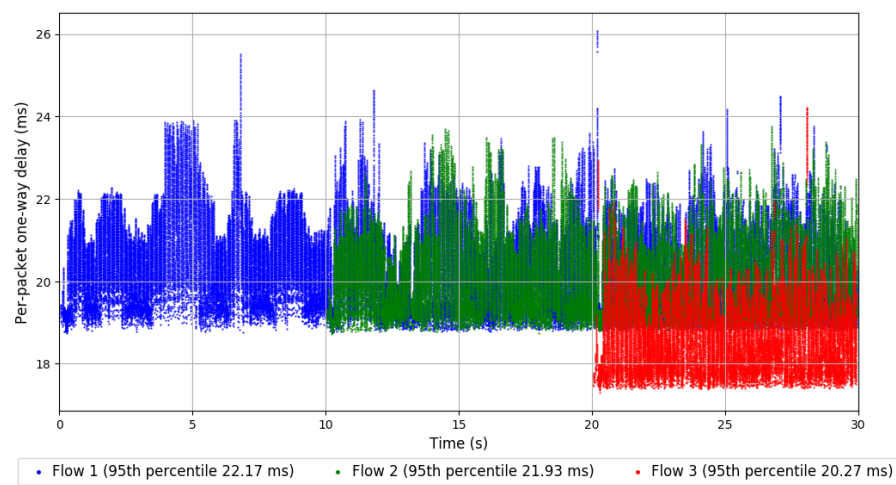
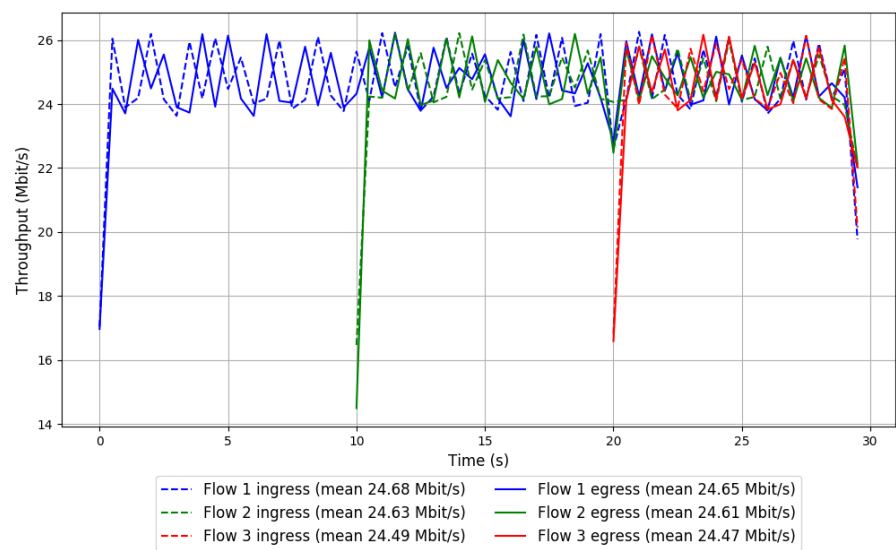


Run 6: Statistics of Sprout

Start at: 2018-02-20 17:19:53
End at: 2018-02-20 17:20:23
Local clock offset: 7.016 ms
Remote clock offset: -6.693 ms

```
# Below is generated by plot.py at 2018-02-20 22:54:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 21.988 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 22.169 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 21.928 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 20.270 ms
Loss rate: 0.07%
```

Run 6: Report of Sprout — Data Link

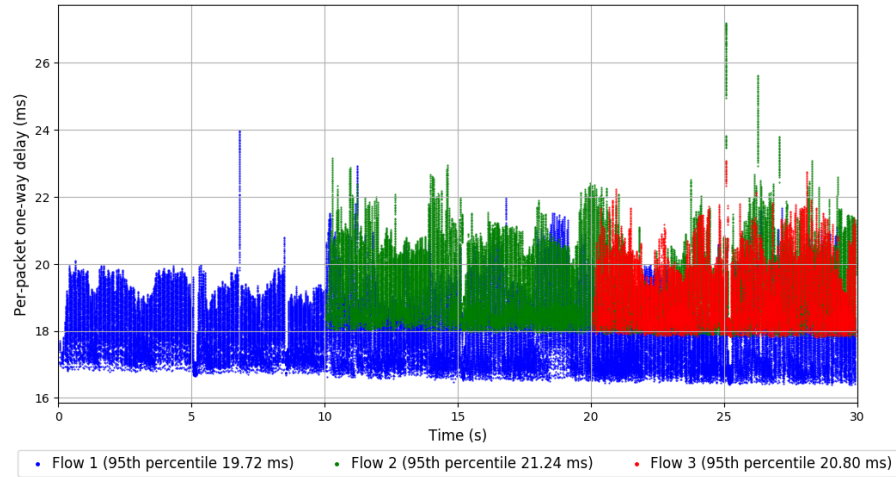
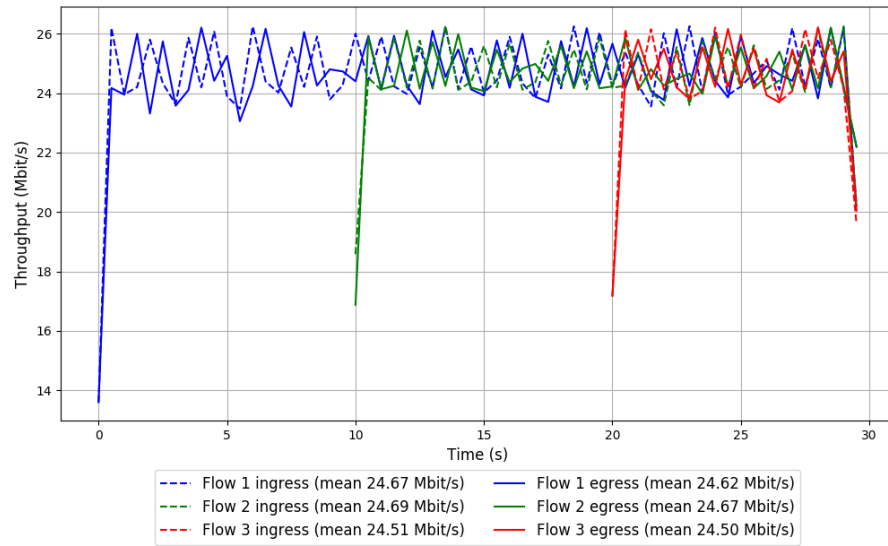


Run 7: Statistics of Sprout

Start at: 2018-02-20 17:48:57
End at: 2018-02-20 17:49:27
Local clock offset: 5.139 ms
Remote clock offset: -6.825 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 20.734 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 19.722 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 21.244 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 20.795 ms
Loss rate: 0.04%

Run 7: Report of Sprout — Data Link

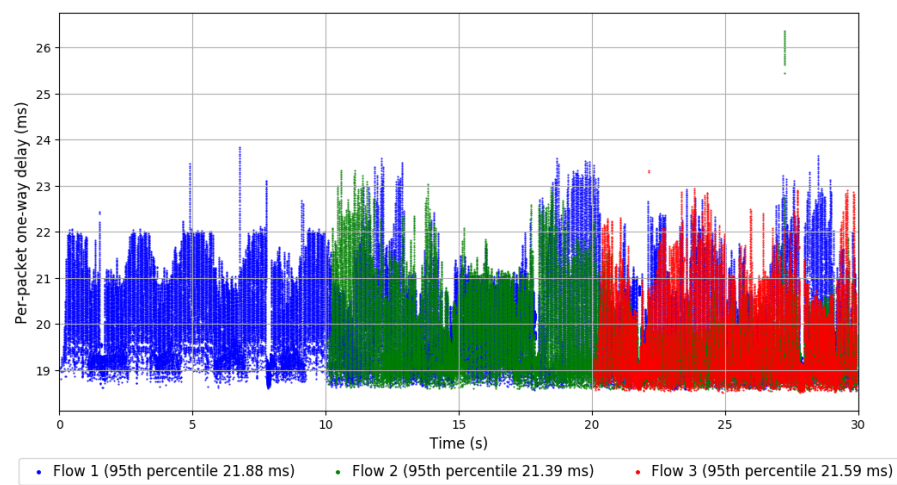
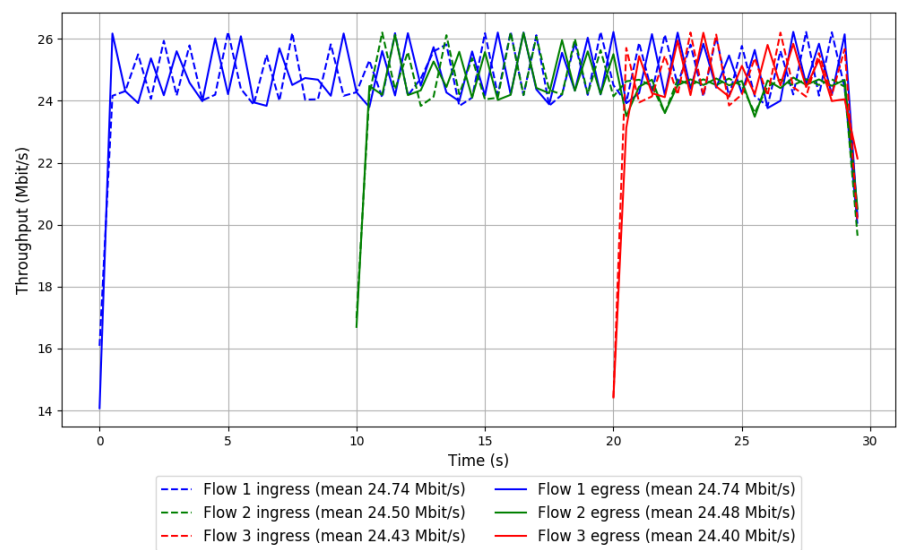


Run 8: Statistics of Sprout

Start at: 2018-02-20 18:18:14
End at: 2018-02-20 18:18:44
Local clock offset: -3.63 ms
Remote clock offset: -5.799 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.08 Mbit/s
95th percentile per-packet one-way delay: 21.732 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 21.881 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 21.385 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 21.588 ms
Loss rate: 0.12%

Run 8: Report of Sprout — Data Link

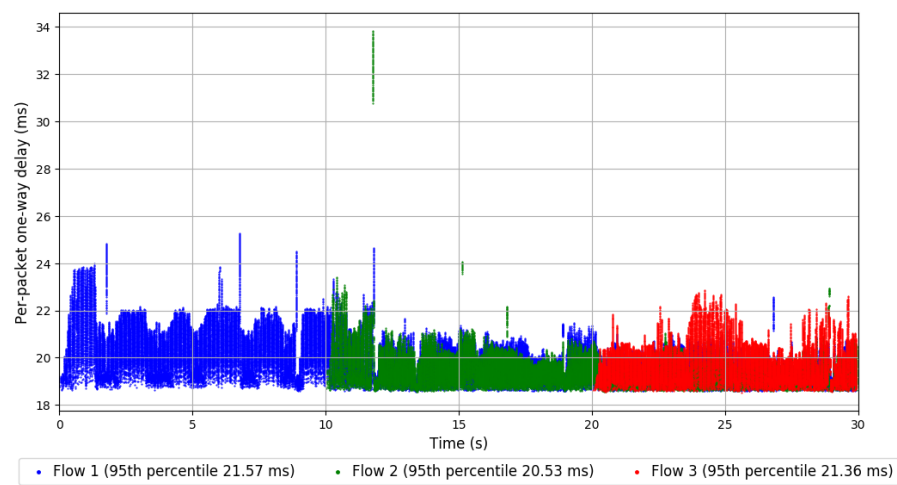
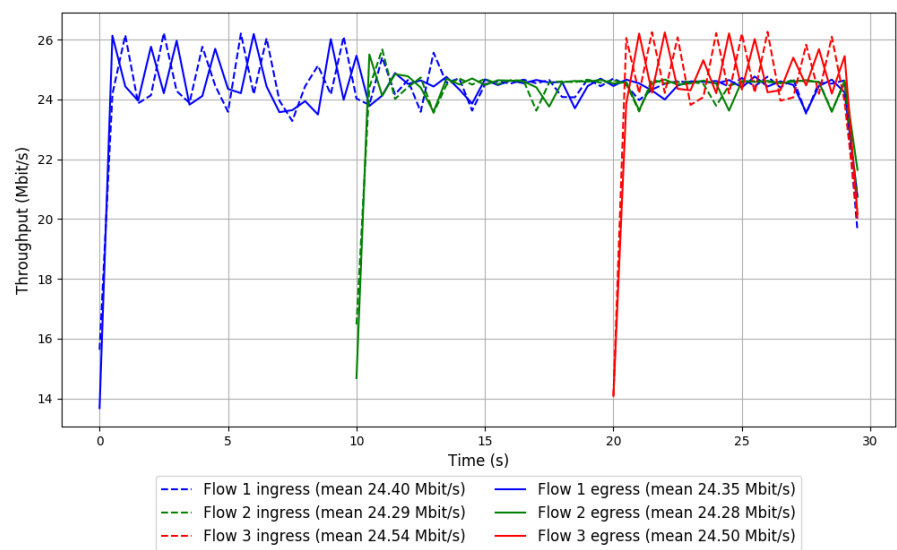


Run 9: Statistics of Sprout

Start at: 2018-02-20 18:47:22
End at: 2018-02-20 18:47:52
Local clock offset: -1.164 ms
Remote clock offset: -5.072 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.58 Mbit/s
95th percentile per-packet one-way delay: 21.327 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 21.566 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 20.533 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 21.355 ms
Loss rate: 0.14%

Run 9: Report of Sprout — Data Link

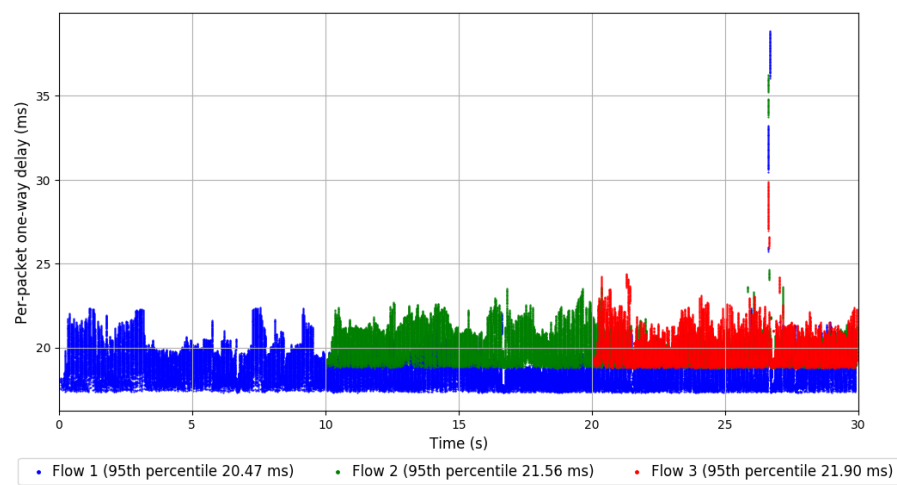
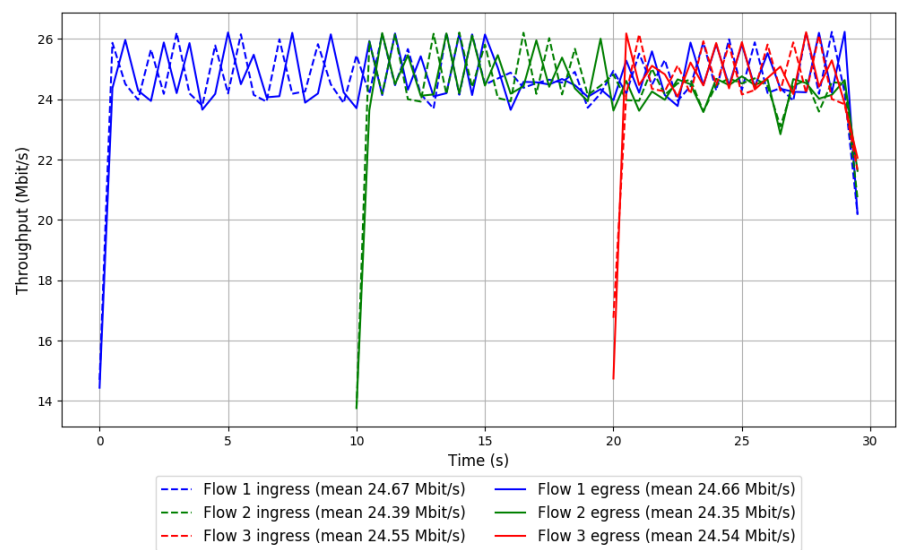


Run 10: Statistics of Sprout

Start at: 2018-02-20 19:16:14
End at: 2018-02-20 19:16:44
Local clock offset: 0.983 ms
Remote clock offset: -4.847 ms

Below is generated by plot.py at 2018-02-20 22:54:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 21.305 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 20.470 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 21.563 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.897 ms
Loss rate: 0.02%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-02-20 14:49:14

End at: 2018-02-20 14:49:44

Local clock offset: 4.271 ms

Remote clock offset: -6.57 ms

Below is generated by plot.py at 2018-02-20 23:00:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 480.33 Mbit/s

95th percentile per-packet one-way delay: 19.373 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 253.35 Mbit/s

95th percentile per-packet one-way delay: 19.049 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 228.64 Mbit/s

95th percentile per-packet one-way delay: 19.323 ms

Loss rate: 0.01%

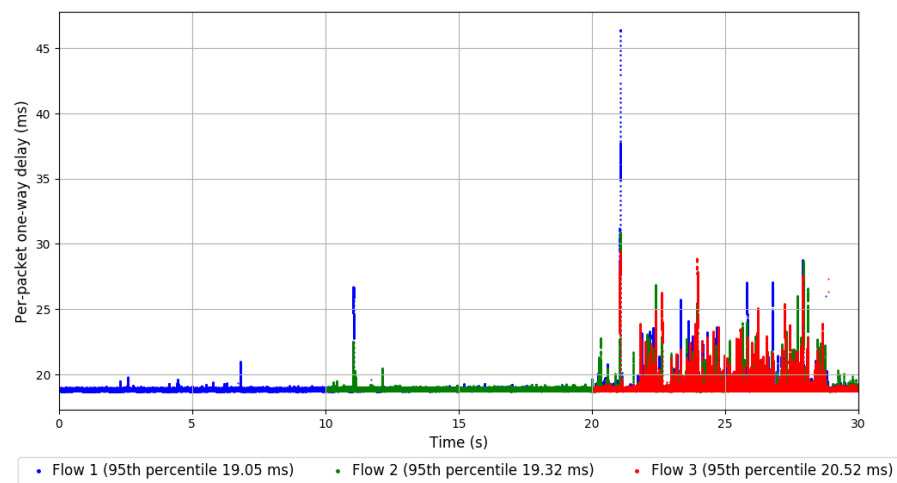
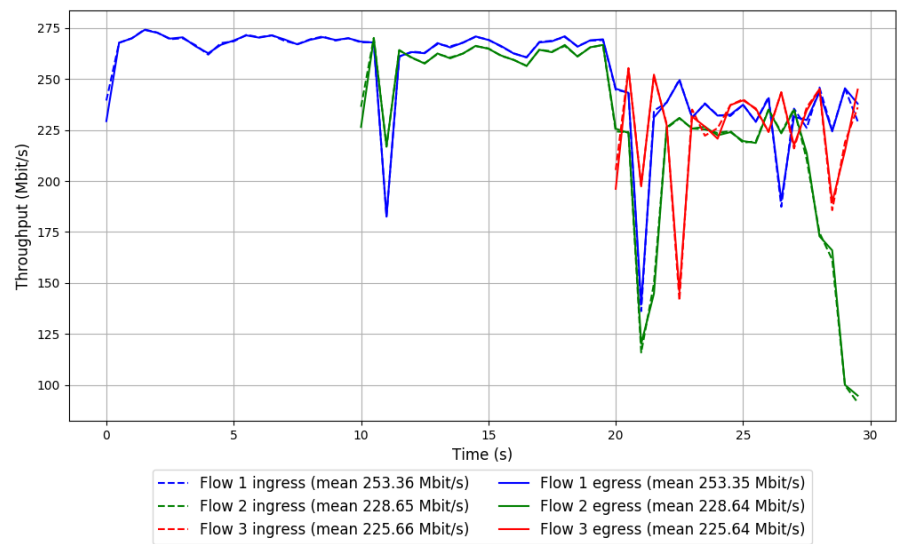
-- Flow 3:

Average throughput: 225.64 Mbit/s

95th percentile per-packet one-way delay: 20.518 ms

Loss rate: 0.02%

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

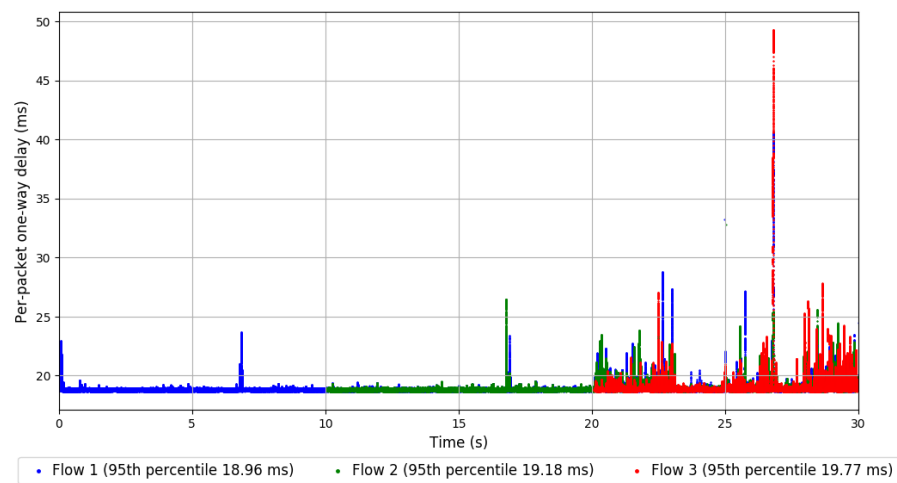
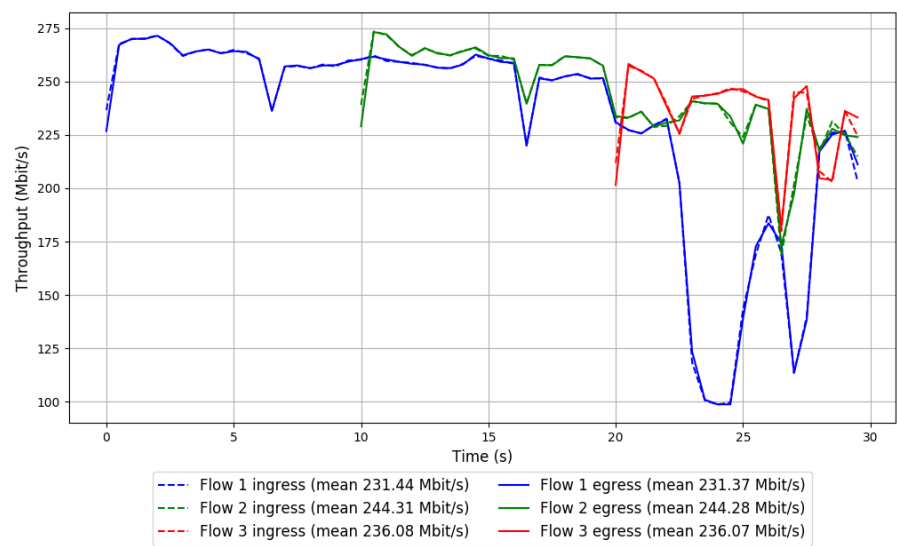


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-20 15:18:38
End at: 2018-02-20 15:19:08
Local clock offset: 5.299 ms
Remote clock offset: -6.558 ms

Below is generated by plot.py at 2018-02-20 23:00:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.22 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 231.37 Mbit/s
95th percentile per-packet one-way delay: 18.963 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 244.28 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 236.07 Mbit/s
95th percentile per-packet one-way delay: 19.768 ms
Loss rate: 0.01%

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

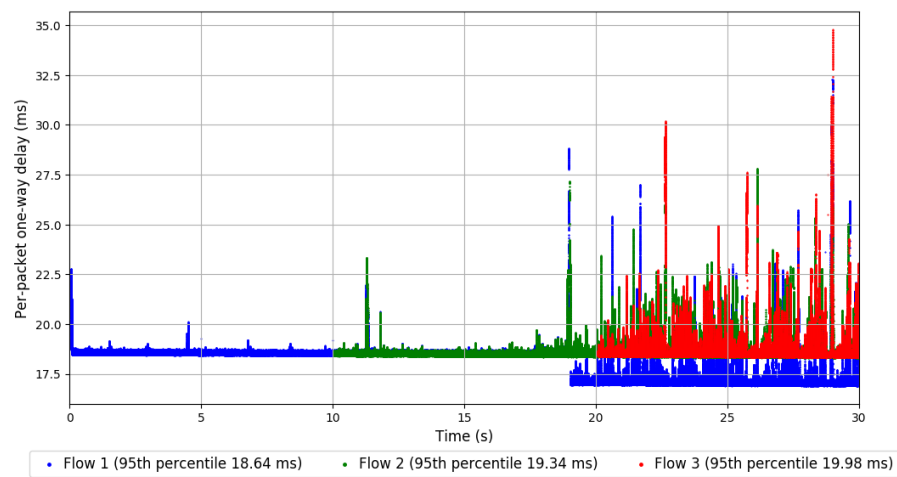
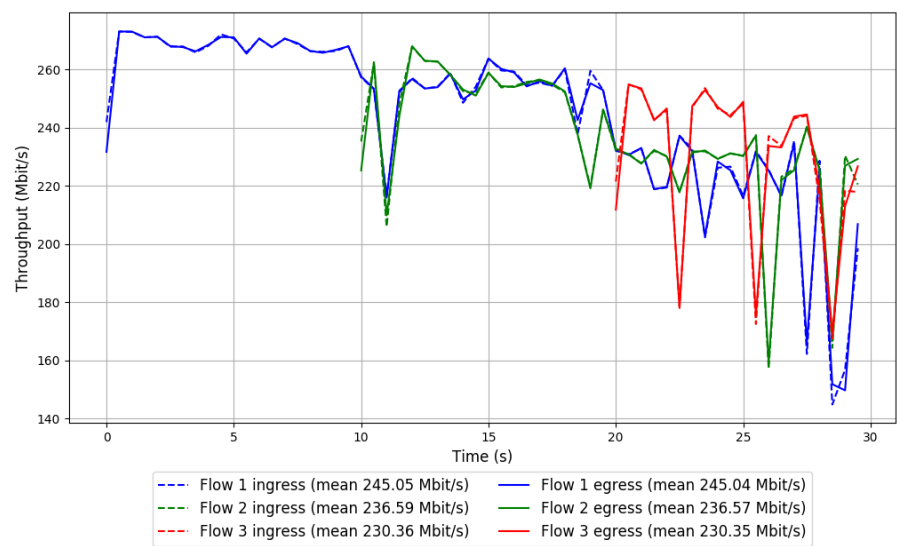


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-20 15:47:55
End at: 2018-02-20 15:48:25
Local clock offset: 0.538 ms
Remote clock offset: -5.781 ms

Below is generated by plot.py at 2018-02-20 23:00:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.08 Mbit/s
95th percentile per-packet one-way delay: 19.021 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 245.04 Mbit/s
95th percentile per-packet one-way delay: 18.637 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 236.57 Mbit/s
95th percentile per-packet one-way delay: 19.344 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 230.35 Mbit/s
95th percentile per-packet one-way delay: 19.985 ms
Loss rate: 0.01%

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

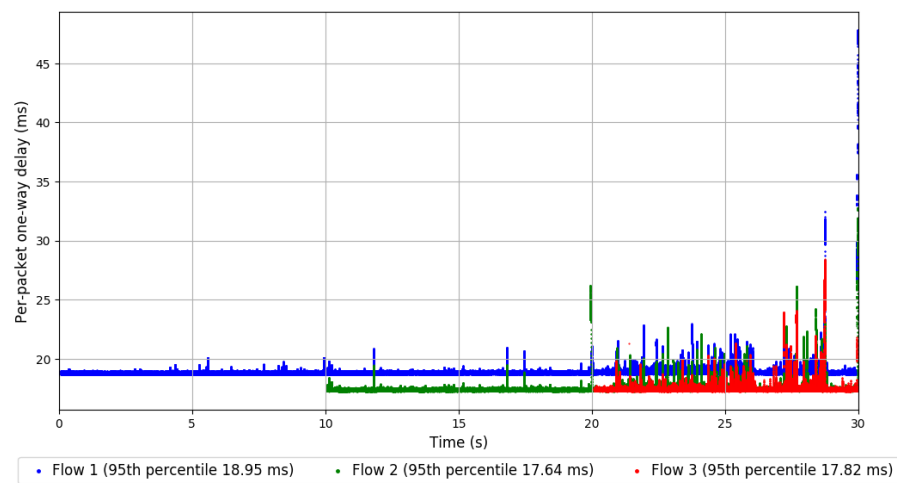
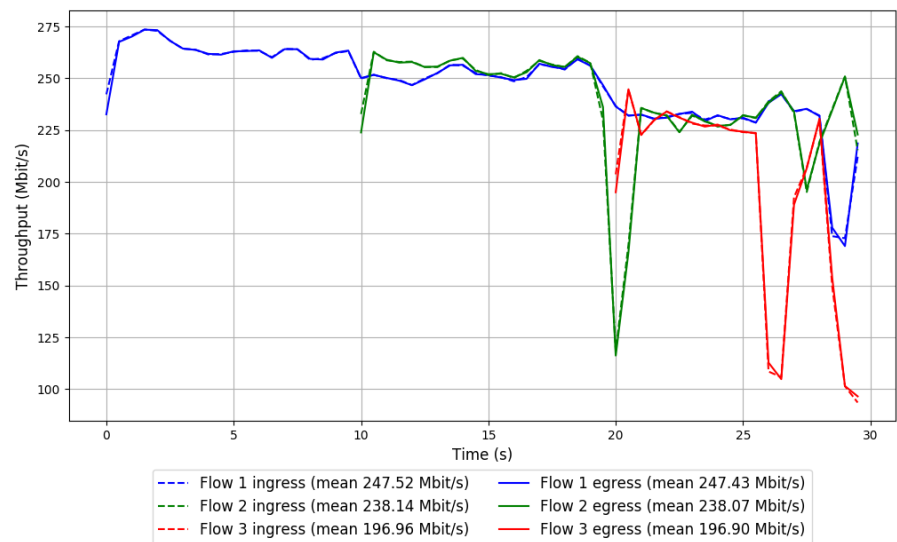


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-20 16:16:54
End at: 2018-02-20 16:17:24
Local clock offset: 1.827 ms
Remote clock offset: -3.721 ms

Below is generated by plot.py at 2018-02-20 23:00:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 471.17 Mbit/s
95th percentile per-packet one-way delay: 18.911 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 247.43 Mbit/s
95th percentile per-packet one-way delay: 18.955 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 238.07 Mbit/s
95th percentile per-packet one-way delay: 17.639 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 196.90 Mbit/s
95th percentile per-packet one-way delay: 17.819 ms
Loss rate: 0.03%

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

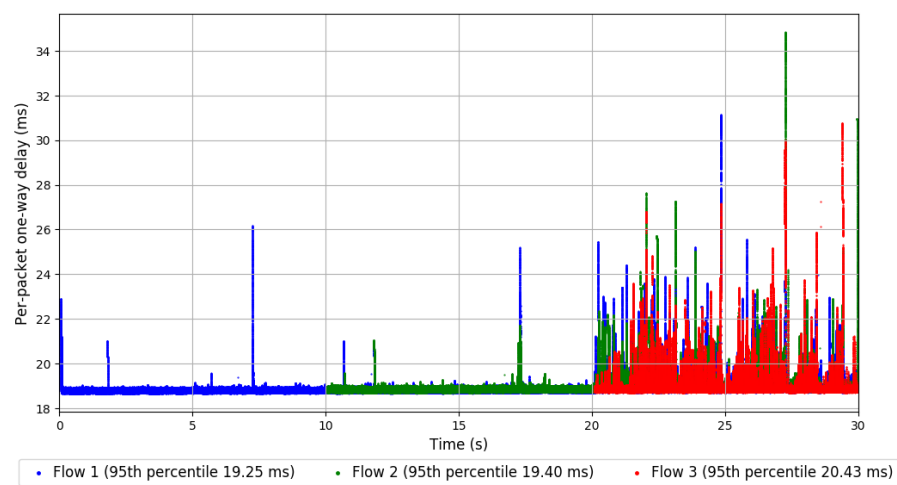
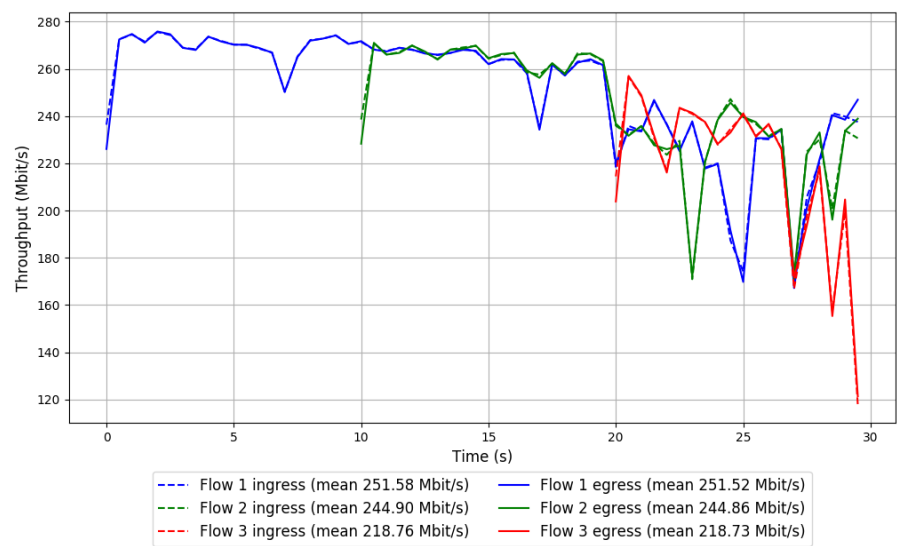


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-20 16:45:56
End at: 2018-02-20 16:46:26
Local clock offset: 4.661 ms
Remote clock offset: -2.905 ms

Below is generated by plot.py at 2018-02-20 23:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 487.00 Mbit/s
95th percentile per-packet one-way delay: 19.502 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 251.52 Mbit/s
95th percentile per-packet one-way delay: 19.247 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 244.86 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 218.73 Mbit/s
95th percentile per-packet one-way delay: 20.430 ms
Loss rate: 0.03%

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

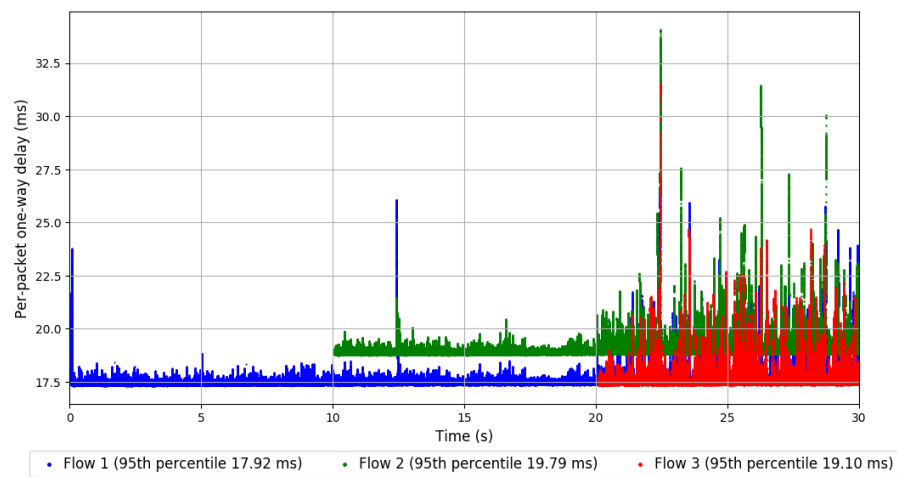
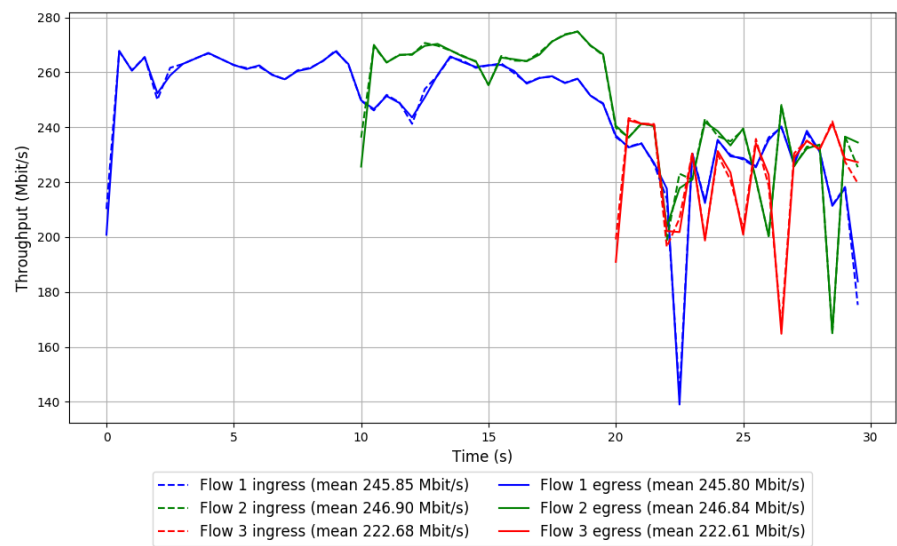


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-20 17:15:20
End at: 2018-02-20 17:15:50
Local clock offset: 6.791 ms
Remote clock offset: -6.465 ms

Below is generated by plot.py at 2018-02-20 23:00:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 483.90 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 245.80 Mbit/s
95th percentile per-packet one-way delay: 17.916 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 246.84 Mbit/s
95th percentile per-packet one-way delay: 19.792 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 222.61 Mbit/s
95th percentile per-packet one-way delay: 19.100 ms
Loss rate: 0.03%

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

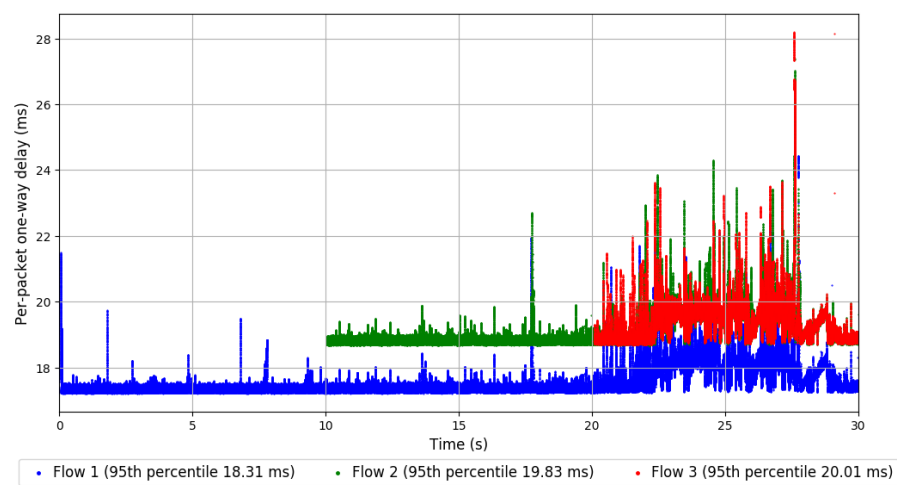
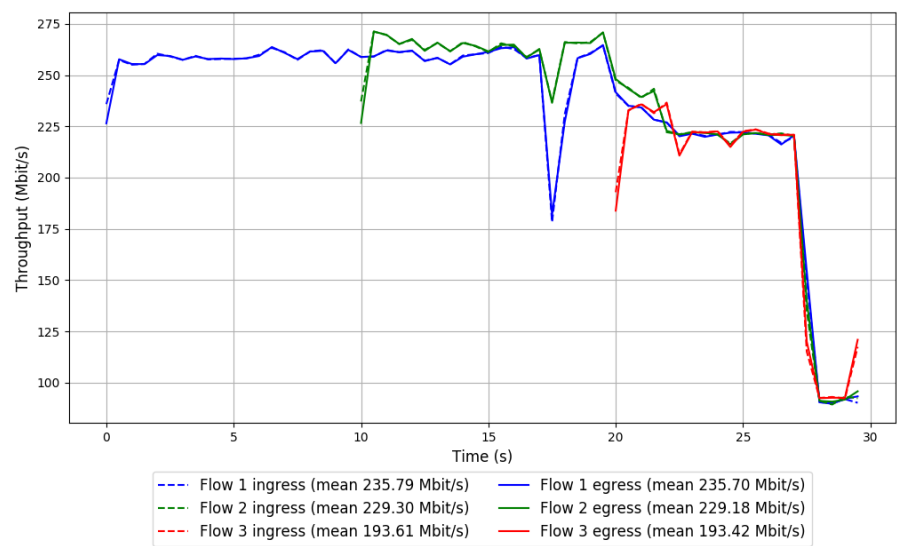


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-20 17:44:25
End at: 2018-02-20 17:44:55
Local clock offset: 8.168 ms
Remote clock offset: -6.704 ms

Below is generated by plot.py at 2018-02-20 23:05:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.36 Mbit/s
95th percentile per-packet one-way delay: 19.767 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 235.70 Mbit/s
95th percentile per-packet one-way delay: 18.308 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 229.18 Mbit/s
95th percentile per-packet one-way delay: 19.831 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 193.42 Mbit/s
95th percentile per-packet one-way delay: 20.006 ms
Loss rate: 0.10%

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

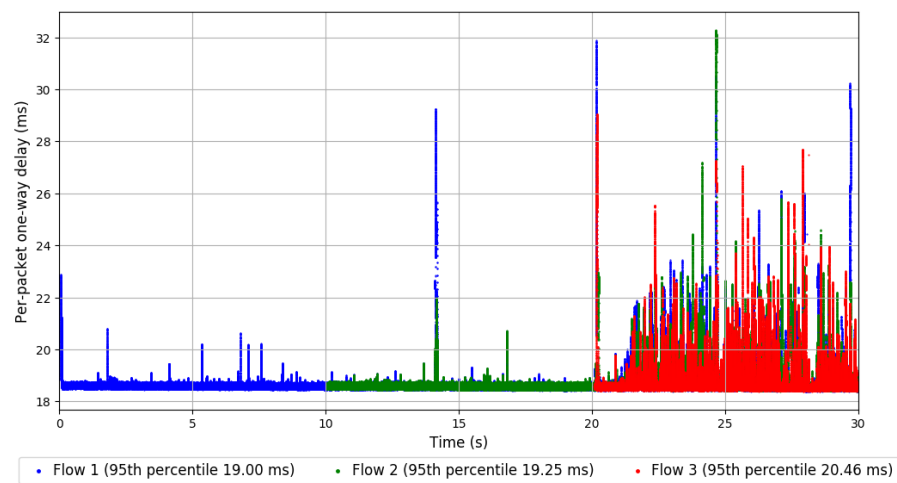
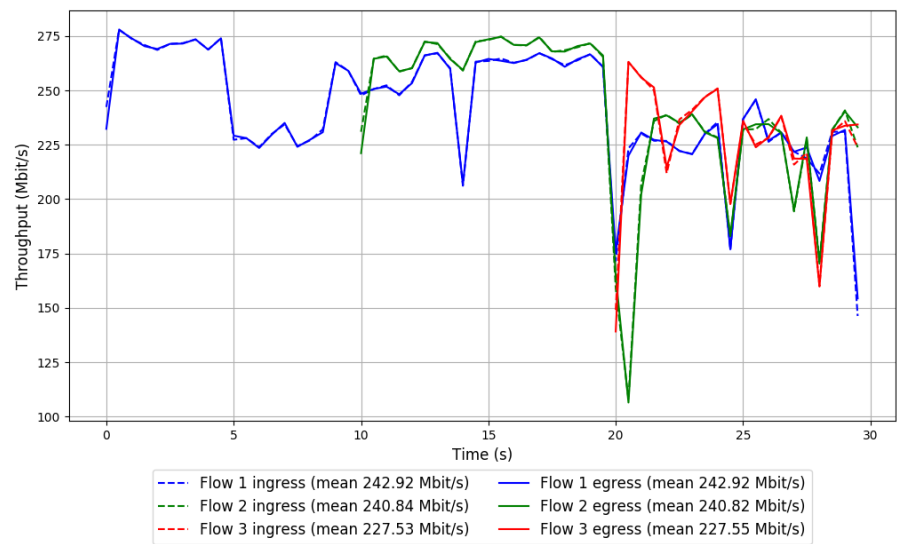


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-20 18:13:38
End at: 2018-02-20 18:14:08
Local clock offset: -2.927 ms
Remote clock offset: -5.942 ms

Below is generated by plot.py at 2018-02-20 23:07:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.67 Mbit/s
95th percentile per-packet one-way delay: 19.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 242.92 Mbit/s
95th percentile per-packet one-way delay: 19.003 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 240.82 Mbit/s
95th percentile per-packet one-way delay: 19.250 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 227.55 Mbit/s
95th percentile per-packet one-way delay: 20.457 ms
Loss rate: 0.00%

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

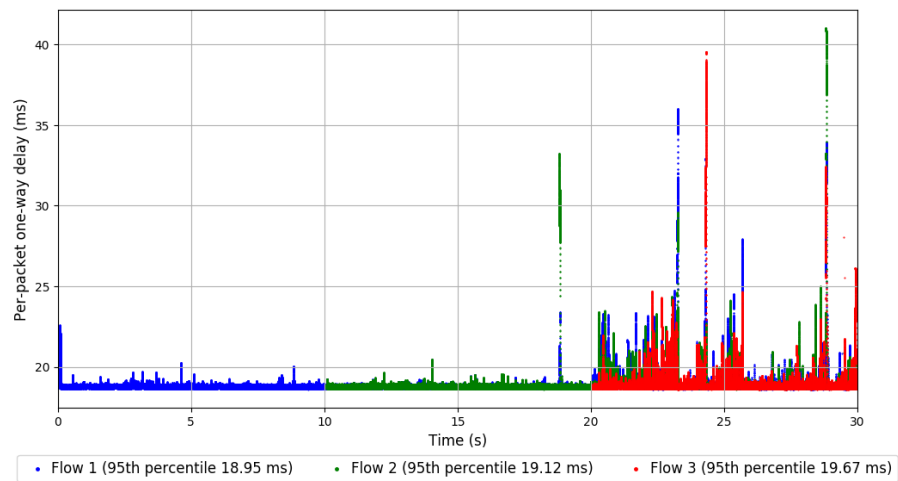
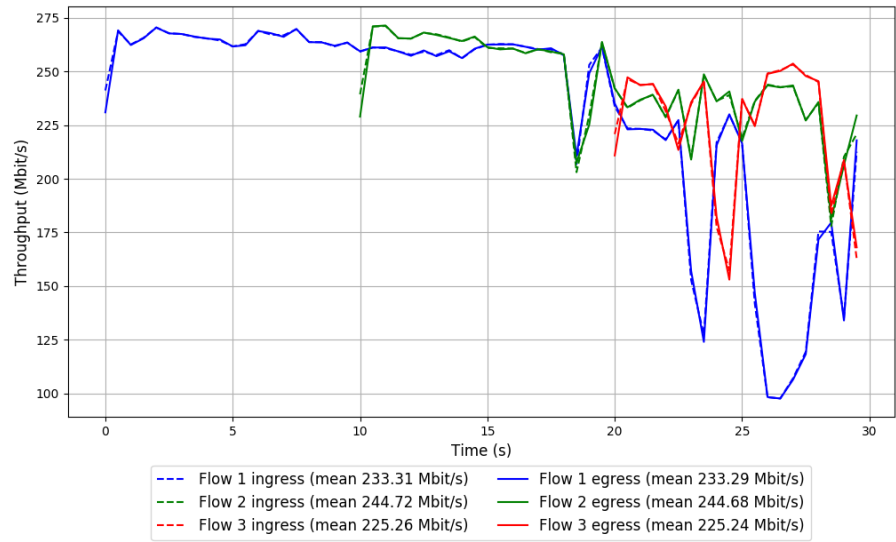


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-20 18:42:43
End at: 2018-02-20 18:43:13
Local clock offset: -1.134 ms
Remote clock offset: -5.167 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 471.00 Mbit/s
95th percentile per-packet one-way delay: 19.102 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 233.29 Mbit/s
95th percentile per-packet one-way delay: 18.947 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 244.68 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 225.24 Mbit/s
95th percentile per-packet one-way delay: 19.669 ms
Loss rate: 0.02%

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

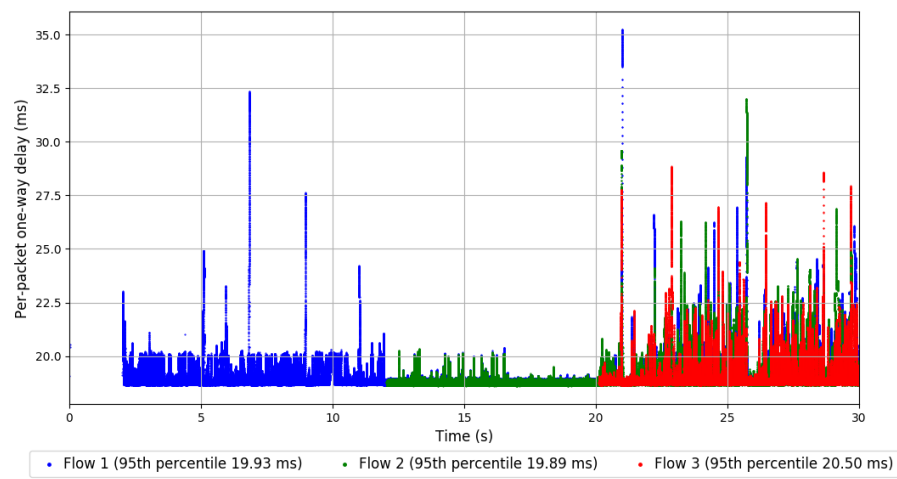
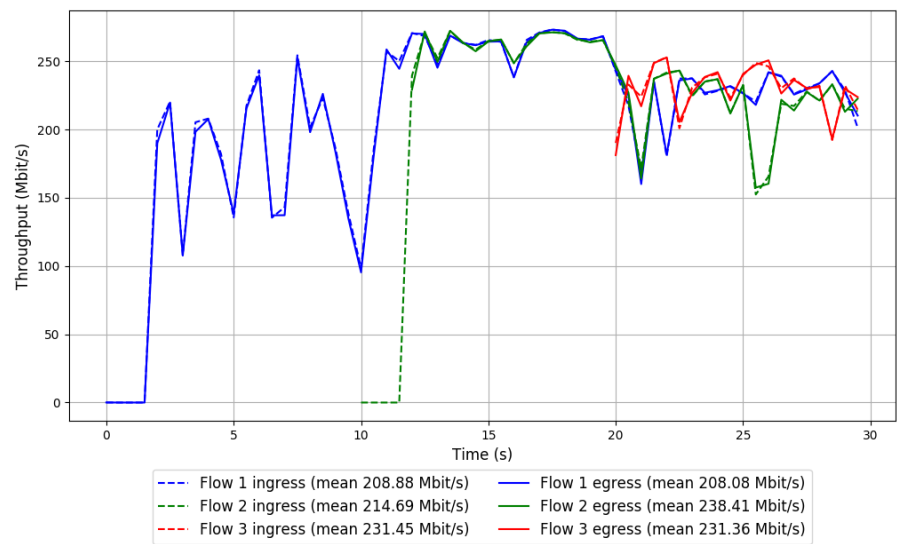


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-20 19:11:40
End at: 2018-02-20 19:12:10
Local clock offset: 0.825 ms
Remote clock offset: -4.825 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.37 Mbit/s
95th percentile per-packet one-way delay: 19.961 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 208.08 Mbit/s
95th percentile per-packet one-way delay: 19.927 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 238.41 Mbit/s
95th percentile per-packet one-way delay: 19.890 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 231.36 Mbit/s
95th percentile per-packet one-way delay: 20.502 ms
Loss rate: 0.07%

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

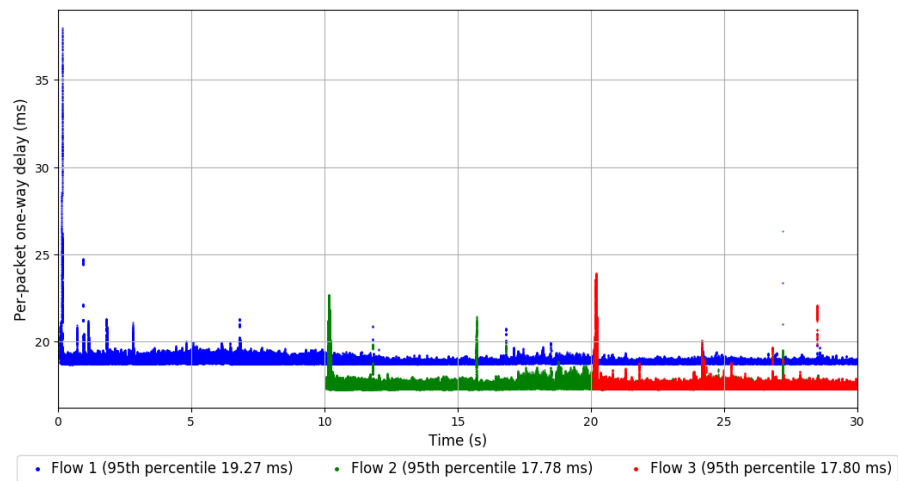
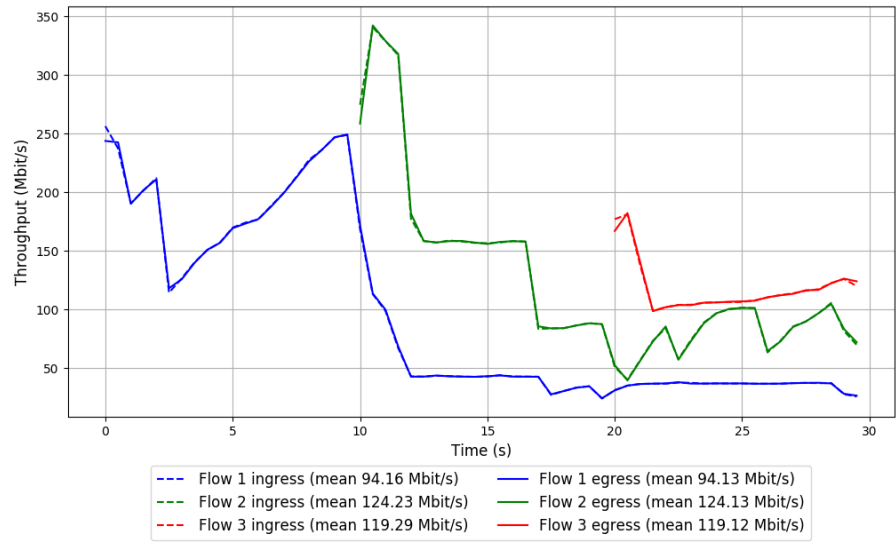


Run 1: Statistics of TCP Vegas

Start at: 2018-02-20 14:52:27
End at: 2018-02-20 14:52:57
Local clock offset: 4.401 ms
Remote clock offset: -6.617 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.35 Mbit/s
95th percentile per-packet one-way delay: 19.195 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 19.269 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 124.13 Mbit/s
95th percentile per-packet one-way delay: 17.784 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 119.12 Mbit/s
95th percentile per-packet one-way delay: 17.802 ms
Loss rate: 0.14%

Run 1: Report of TCP Vegas — Data Link

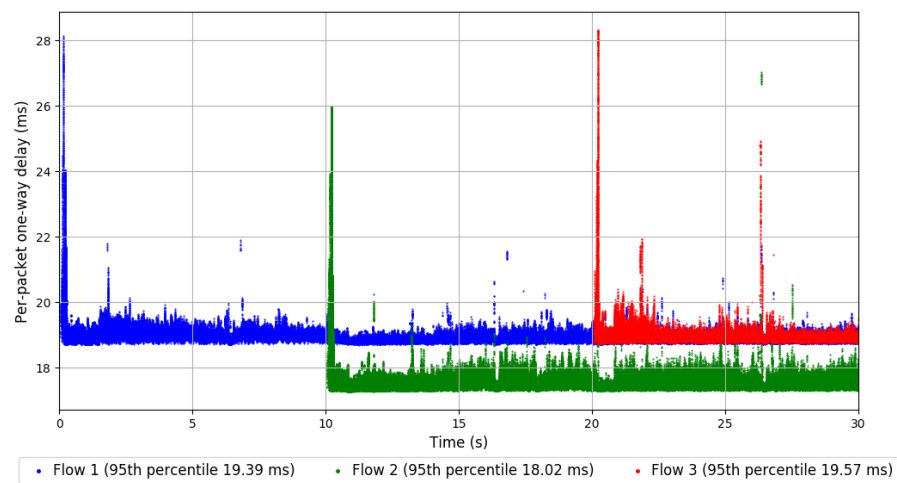
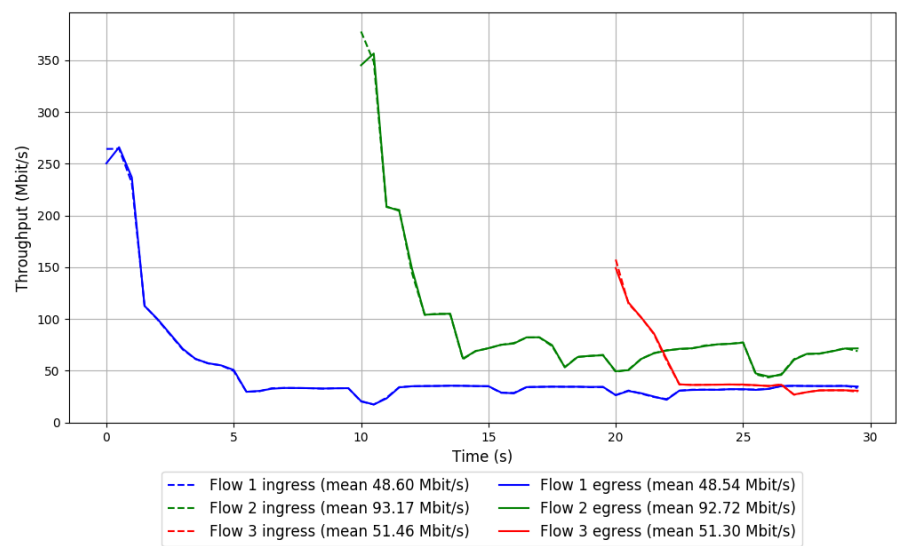


Run 2: Statistics of TCP Vegas

Start at: 2018-02-20 15:21:48
End at: 2018-02-20 15:22:18
Local clock offset: 5.429 ms
Remote clock offset: -6.408 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.33 Mbit/s
95th percentile per-packet one-way delay: 19.293 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 18.024 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 51.30 Mbit/s
95th percentile per-packet one-way delay: 19.572 ms
Loss rate: 0.32%

Run 2: Report of TCP Vegas — Data Link

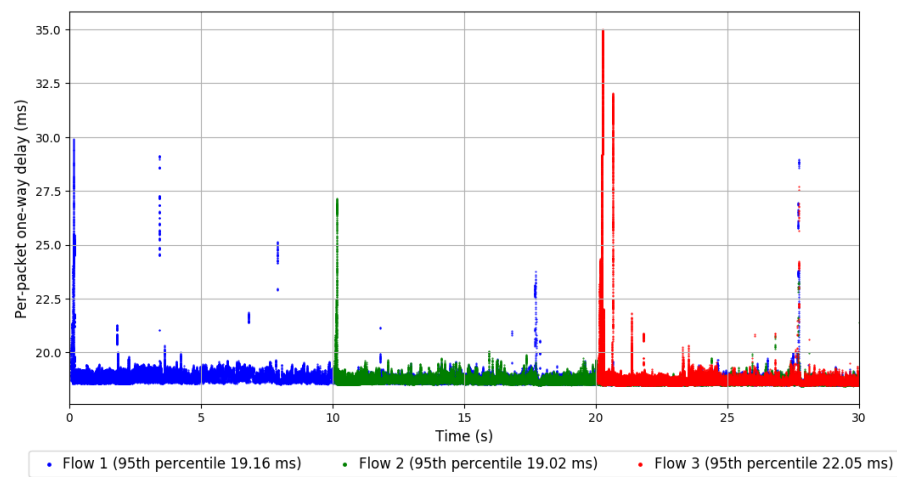
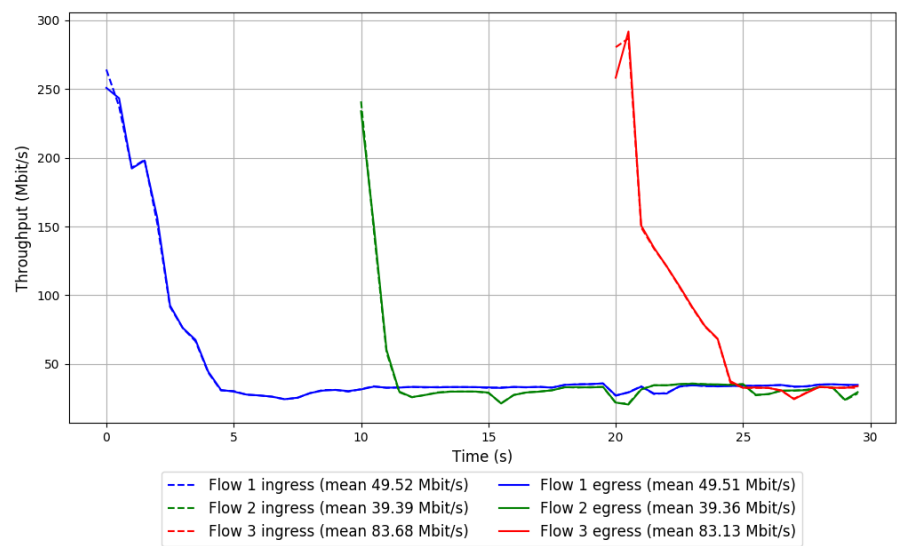


Run 3: Statistics of TCP Vegas

Start at: 2018-02-20 15:51:06
End at: 2018-02-20 15:51:37
Local clock offset: 0.181 ms
Remote clock offset: -5.266 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 103.32 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 19.157 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.36 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 83.13 Mbit/s
95th percentile per-packet one-way delay: 22.045 ms
Loss rate: 0.66%

Run 3: Report of TCP Vegas — Data Link

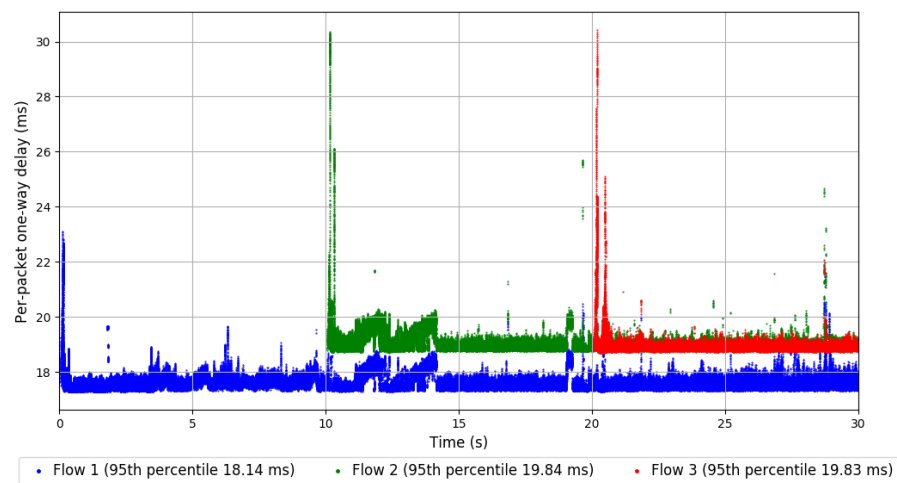
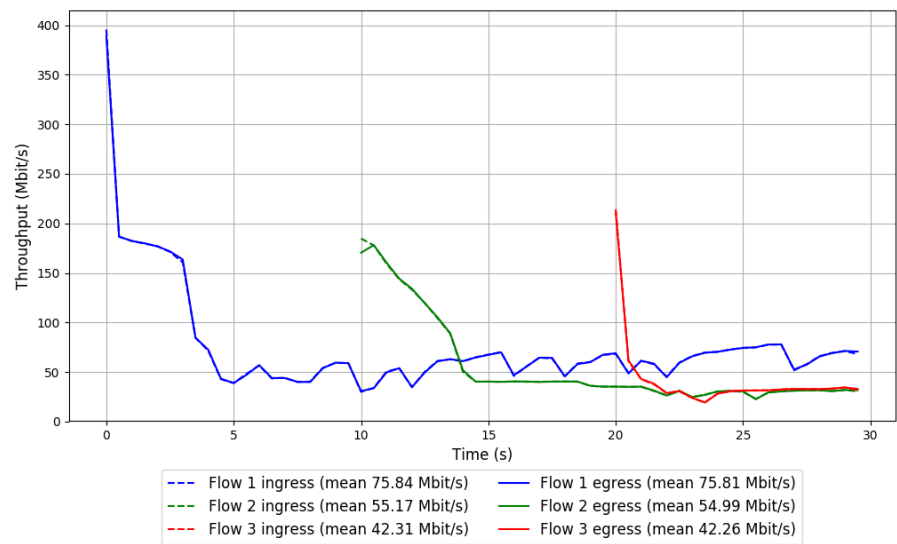


Run 4: Statistics of TCP Vegas

Start at: 2018-02-20 16:20:04
End at: 2018-02-20 16:20:34
Local clock offset: 1.967 ms
Remote clock offset: -3.644 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.45 Mbit/s
95th percentile per-packet one-way delay: 19.568 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 75.81 Mbit/s
95th percentile per-packet one-way delay: 18.140 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 54.99 Mbit/s
95th percentile per-packet one-way delay: 19.844 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 42.26 Mbit/s
95th percentile per-packet one-way delay: 19.827 ms
Loss rate: 0.13%

Run 4: Report of TCP Vegas — Data Link

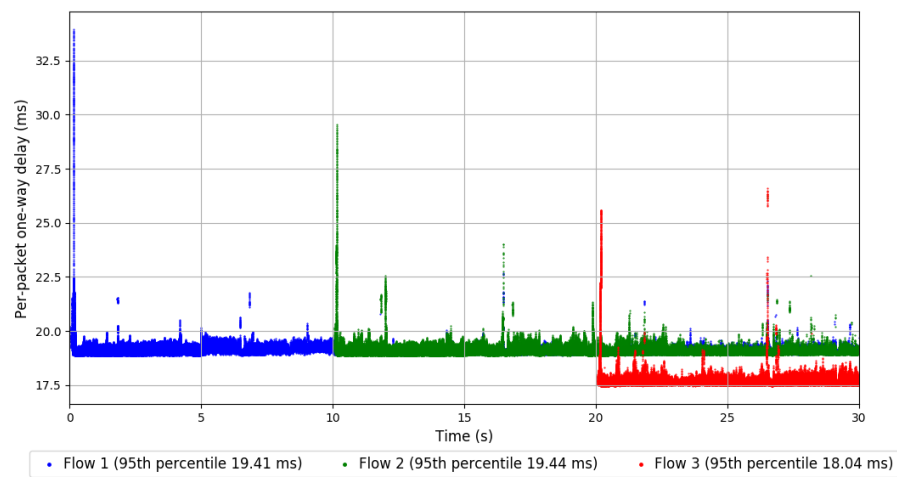
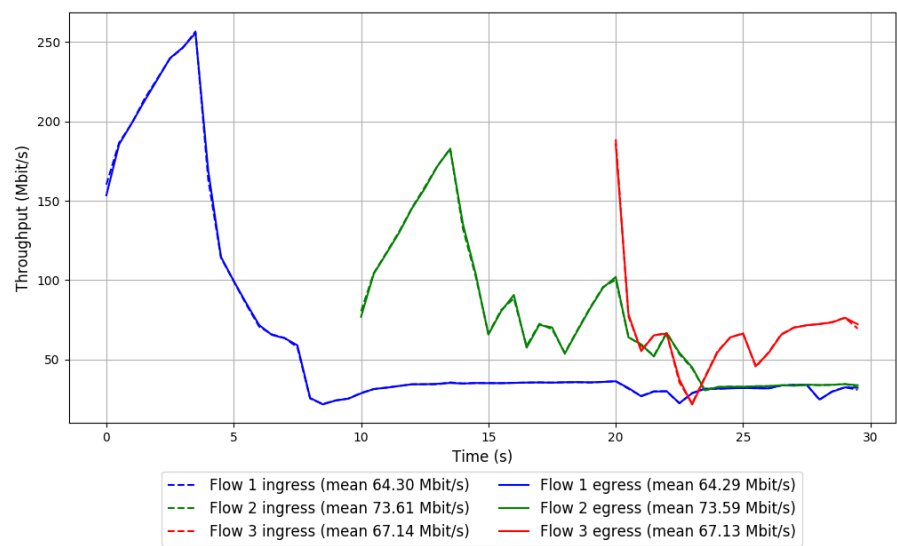


Run 5: Statistics of TCP Vegas

Start at: 2018-02-20 16:49:07
End at: 2018-02-20 16:49:37
Local clock offset: 5.019 ms
Remote clock offset: -2.717 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.59 Mbit/s
95th percentile per-packet one-way delay: 19.407 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 19.415 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 19.442 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 67.13 Mbit/s
95th percentile per-packet one-way delay: 18.043 ms
Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link

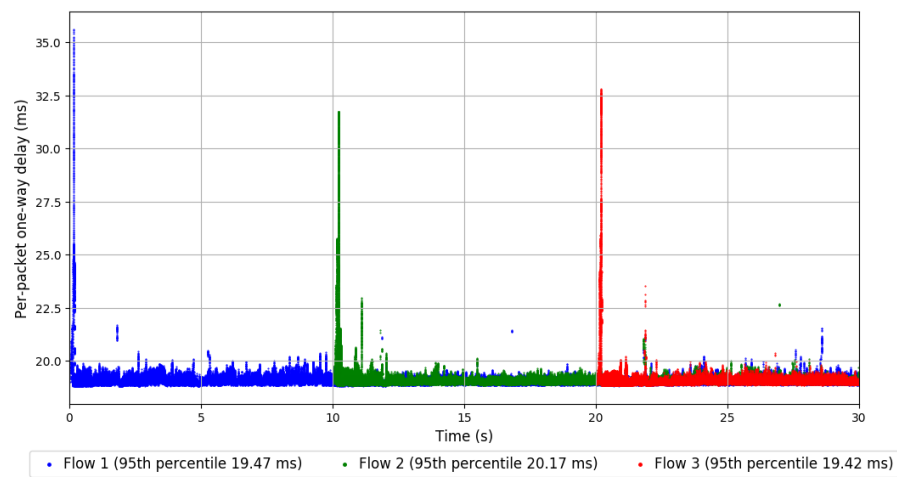
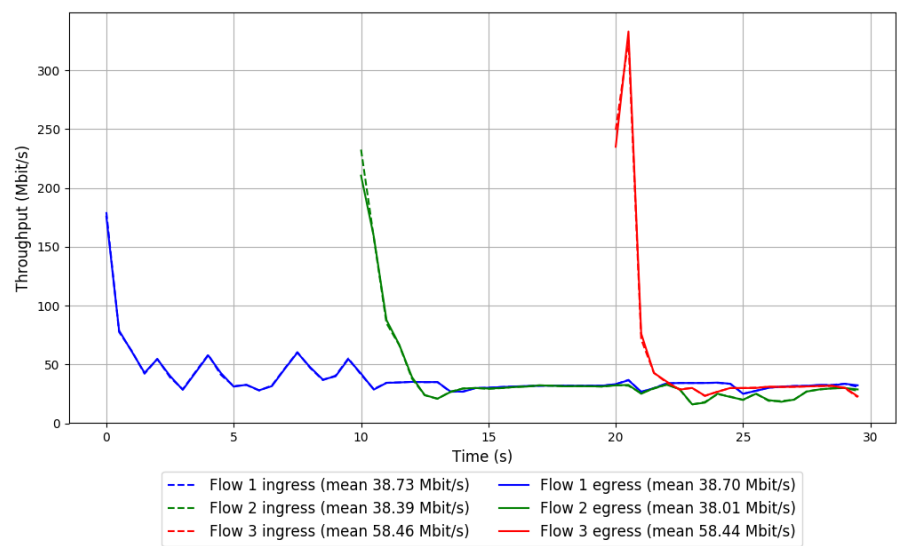


Run 6: Statistics of TCP Vegas

Start at: 2018-02-20 17:18:31
End at: 2018-02-20 17:19:01
Local clock offset: 6.943 ms
Remote clock offset: -6.545 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.40 Mbit/s
95th percentile per-packet one-way delay: 19.536 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 38.70 Mbit/s
95th percentile per-packet one-way delay: 19.469 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 20.172 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 58.44 Mbit/s
95th percentile per-packet one-way delay: 19.417 ms
Loss rate: 0.04%

Run 6: Report of TCP Vegas — Data Link

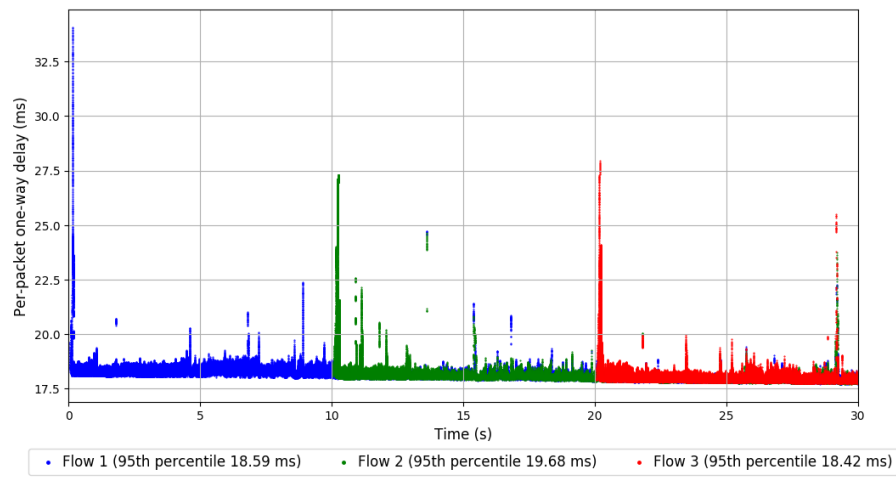
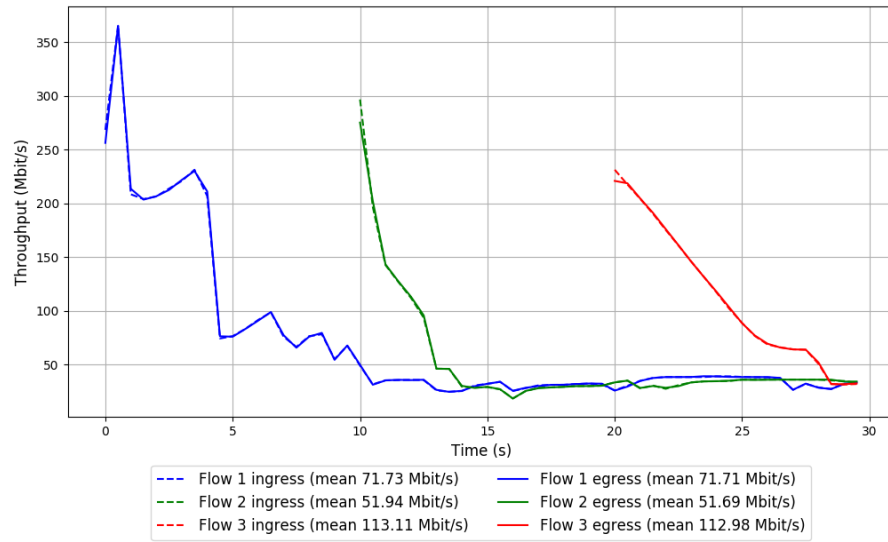


Run 7: Statistics of TCP Vegas

Start at: 2018-02-20 17:47:33
End at: 2018-02-20 17:48:03
Local clock offset: 6.242 ms
Remote clock offset: -6.807 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.63 Mbit/s
95th percentile per-packet one-way delay: 18.609 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 71.71 Mbit/s
95th percentile per-packet one-way delay: 18.592 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 51.69 Mbit/s
95th percentile per-packet one-way delay: 19.676 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 112.98 Mbit/s
95th percentile per-packet one-way delay: 18.417 ms
Loss rate: 0.12%

Run 7: Report of TCP Vegas — Data Link

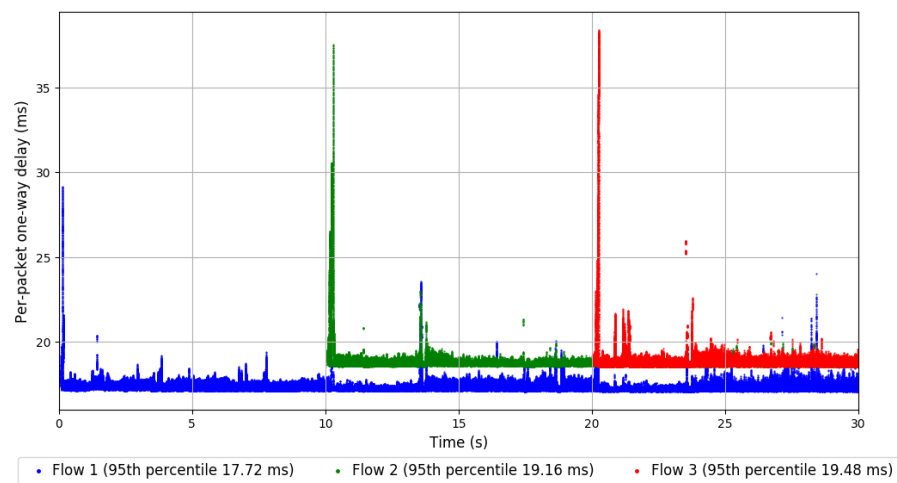
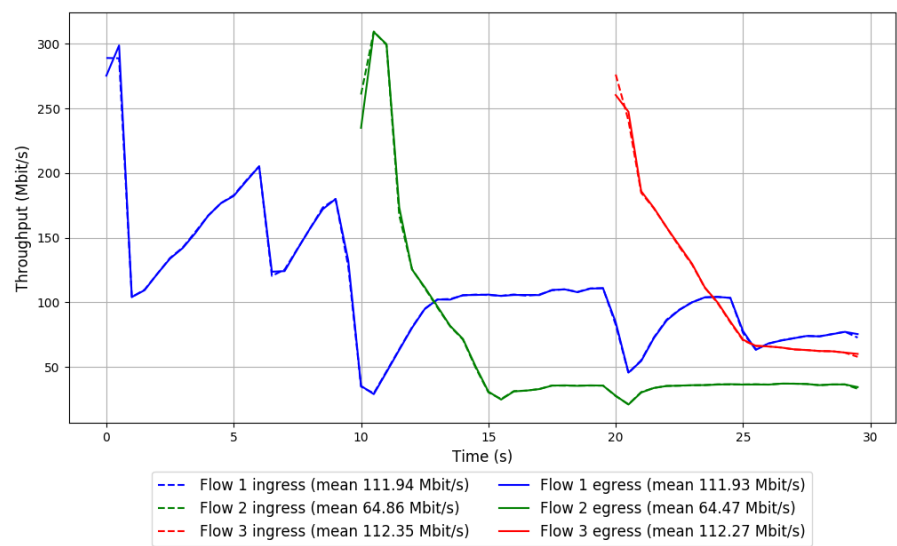


Run 8: Statistics of TCP Vegas

Start at: 2018-02-20 18:16:48
End at: 2018-02-20 18:17:18
Local clock offset: -3.375 ms
Remote clock offset: -5.778 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.13 Mbit/s
95th percentile per-packet one-way delay: 19.033 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 111.93 Mbit/s
95th percentile per-packet one-way delay: 17.723 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 19.160 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 112.27 Mbit/s
95th percentile per-packet one-way delay: 19.480 ms
Loss rate: 0.07%

Run 8: Report of TCP Vegas — Data Link

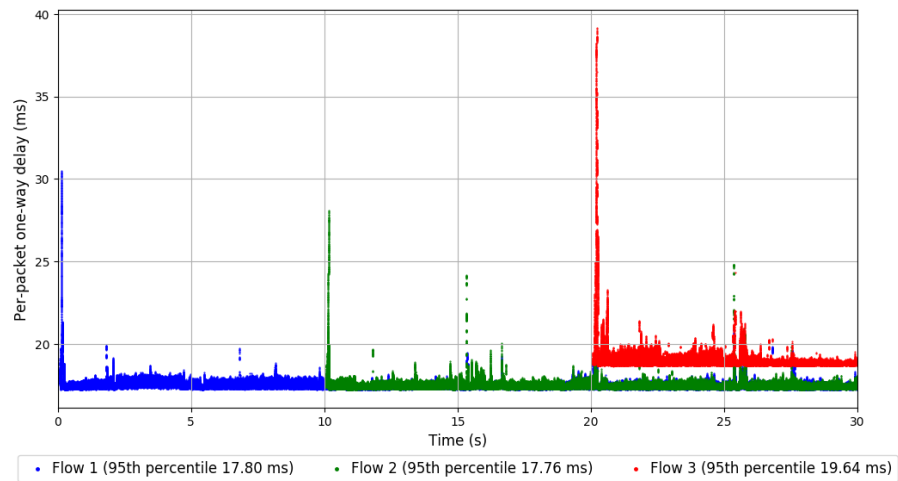
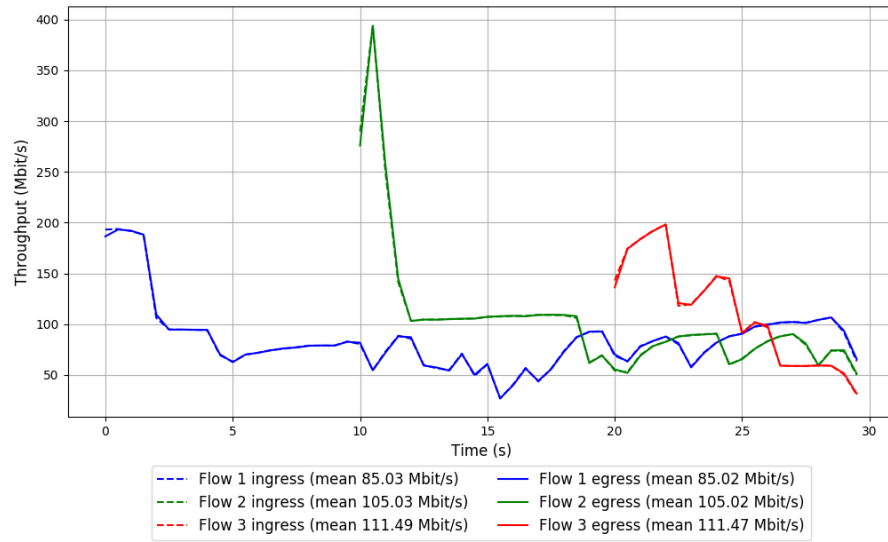


Run 9: Statistics of TCP Vegas

Start at: 2018-02-20 18:45:56
End at: 2018-02-20 18:46:26
Local clock offset: -1.178 ms
Remote clock offset: -5.058 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 191.96 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 17.804 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 105.02 Mbit/s
95th percentile per-packet one-way delay: 17.761 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 111.47 Mbit/s
95th percentile per-packet one-way delay: 19.641 ms
Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link

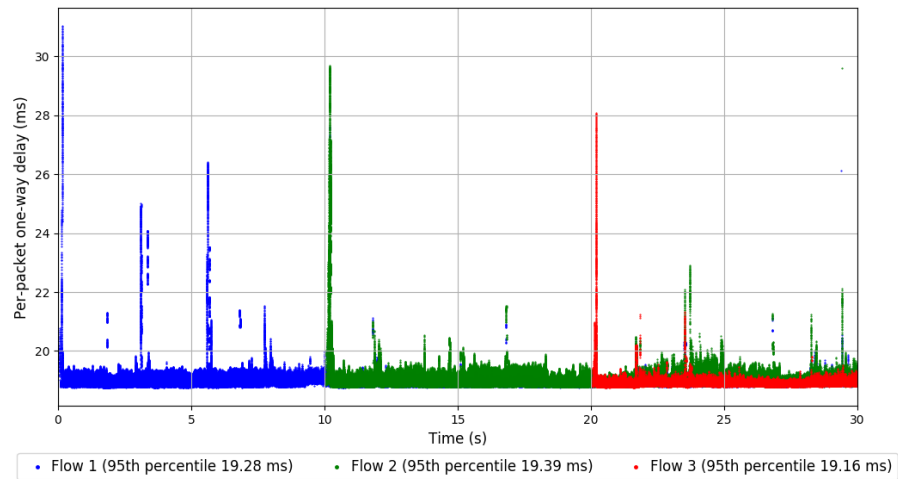
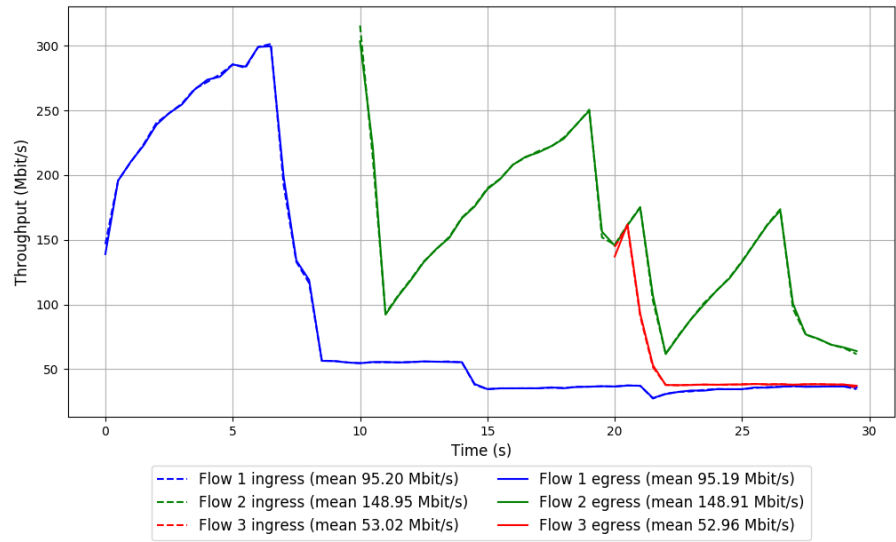


Run 10: Statistics of TCP Vegas

Start at: 2018-02-20 19:14:47
End at: 2018-02-20 19:15:17
Local clock offset: 0.852 ms
Remote clock offset: -4.856 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.95 Mbit/s
95th percentile per-packet one-way delay: 19.332 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 19.278 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 148.91 Mbit/s
95th percentile per-packet one-way delay: 19.394 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 52.96 Mbit/s
95th percentile per-packet one-way delay: 19.163 ms
Loss rate: 0.10%

Run 10: Report of TCP Vegas — Data Link

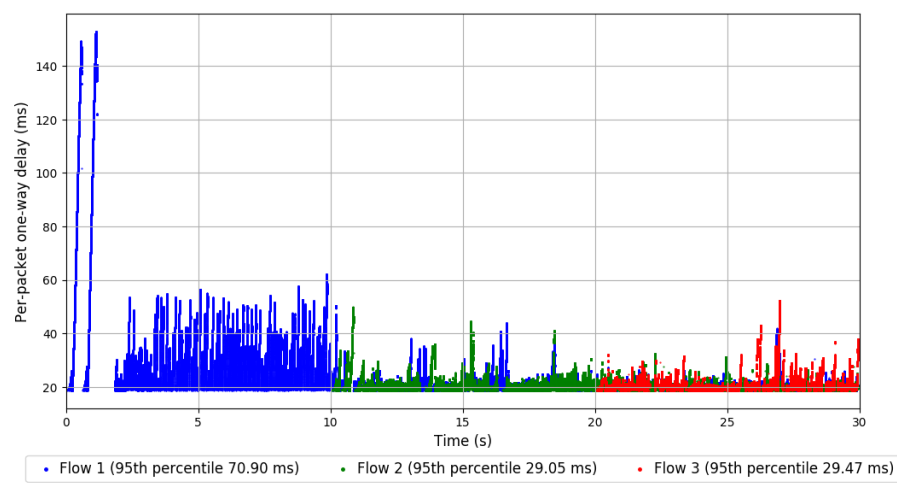
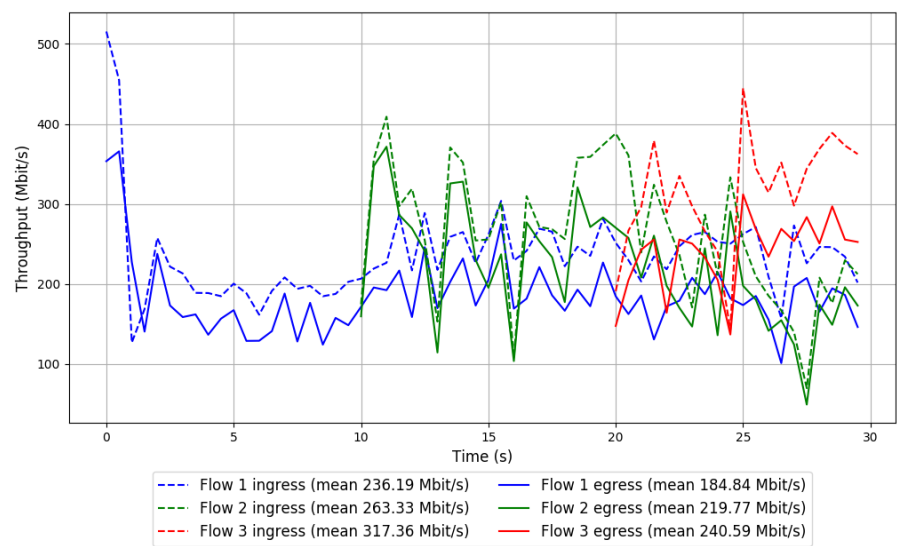


Run 1: Statistics of Verus

Start at: 2018-02-20 14:57:03
End at: 2018-02-20 14:57:33
Local clock offset: 4.497 ms
Remote clock offset: -6.727 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.57 Mbit/s
95th percentile per-packet one-way delay: 43.369 ms
Loss rate: 20.47%
-- Flow 1:
Average throughput: 184.84 Mbit/s
95th percentile per-packet one-way delay: 70.897 ms
Loss rate: 21.74%
-- Flow 2:
Average throughput: 219.77 Mbit/s
95th percentile per-packet one-way delay: 29.053 ms
Loss rate: 16.54%
-- Flow 3:
Average throughput: 240.59 Mbit/s
95th percentile per-packet one-way delay: 29.474 ms
Loss rate: 24.19%

Run 1: Report of Verus — Data Link

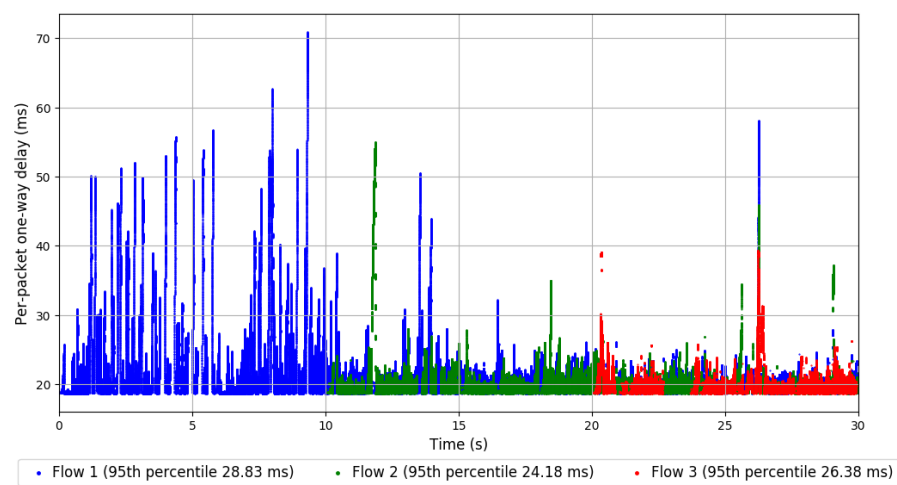
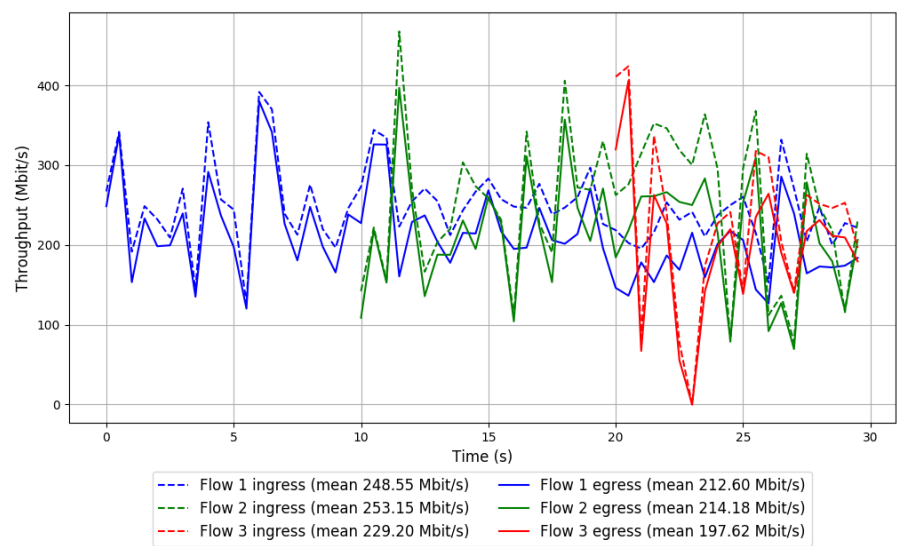


Run 2: Statistics of Verus

Start at: 2018-02-20 15:26:16
End at: 2018-02-20 15:26:46
Local clock offset: 5.57 ms
Remote clock offset: -6.403 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.48 Mbit/s
95th percentile per-packet one-way delay: 26.838 ms
Loss rate: 14.67%
-- Flow 1:
Average throughput: 212.60 Mbit/s
95th percentile per-packet one-way delay: 28.833 ms
Loss rate: 14.46%
-- Flow 2:
Average throughput: 214.18 Mbit/s
95th percentile per-packet one-way delay: 24.175 ms
Loss rate: 15.40%
-- Flow 3:
Average throughput: 197.62 Mbit/s
95th percentile per-packet one-way delay: 26.382 ms
Loss rate: 13.77%

Run 2: Report of Verus — Data Link

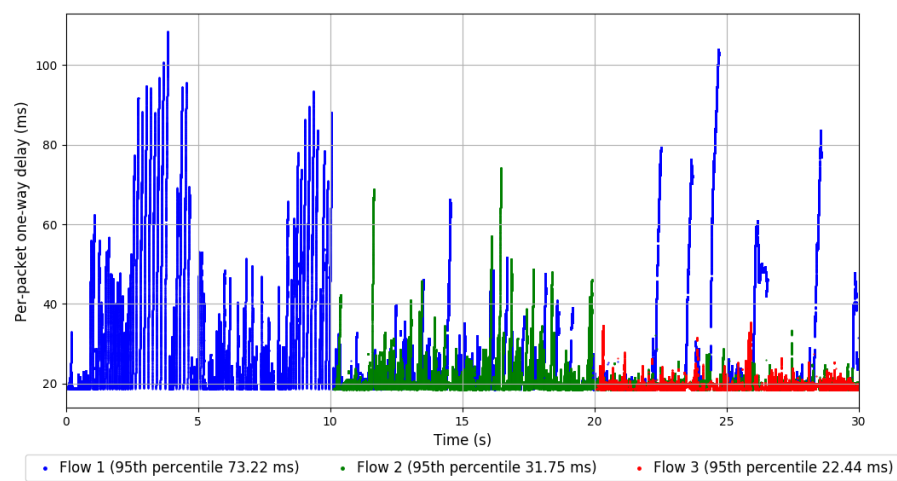
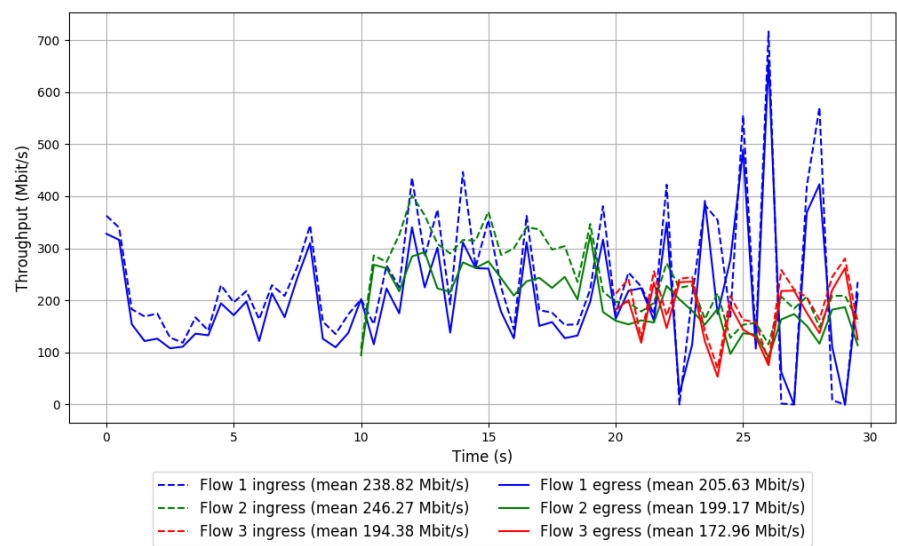


Run 3: Statistics of Verus

Start at: 2018-02-20 15:55:30
End at: 2018-02-20 15:56:00
Local clock offset: -0.169 ms
Remote clock offset: -4.791 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.76 Mbit/s
95th percentile per-packet one-way delay: 60.864 ms
Loss rate: 15.32%
-- Flow 1:
Average throughput: 205.63 Mbit/s
95th percentile per-packet one-way delay: 73.219 ms
Loss rate: 13.88%
-- Flow 2:
Average throughput: 199.17 Mbit/s
95th percentile per-packet one-way delay: 31.747 ms
Loss rate: 19.12%
-- Flow 3:
Average throughput: 172.96 Mbit/s
95th percentile per-packet one-way delay: 22.439 ms
Loss rate: 11.02%

Run 3: Report of Verus — Data Link

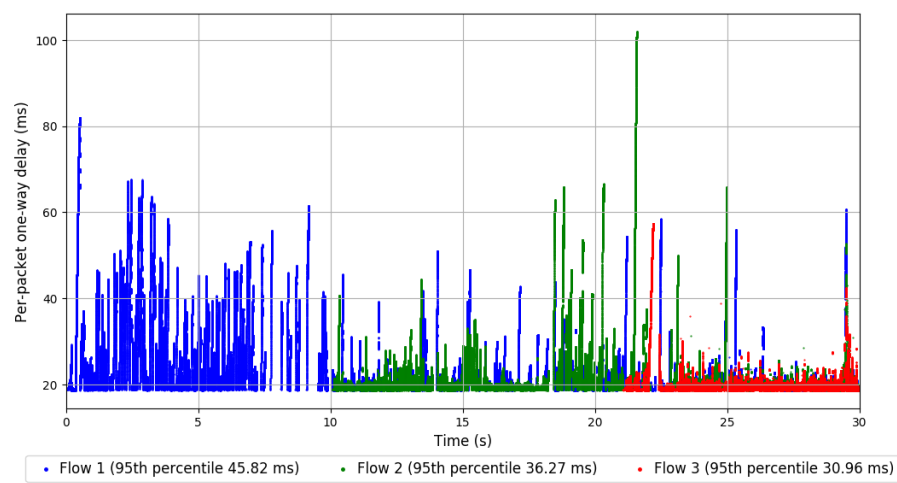
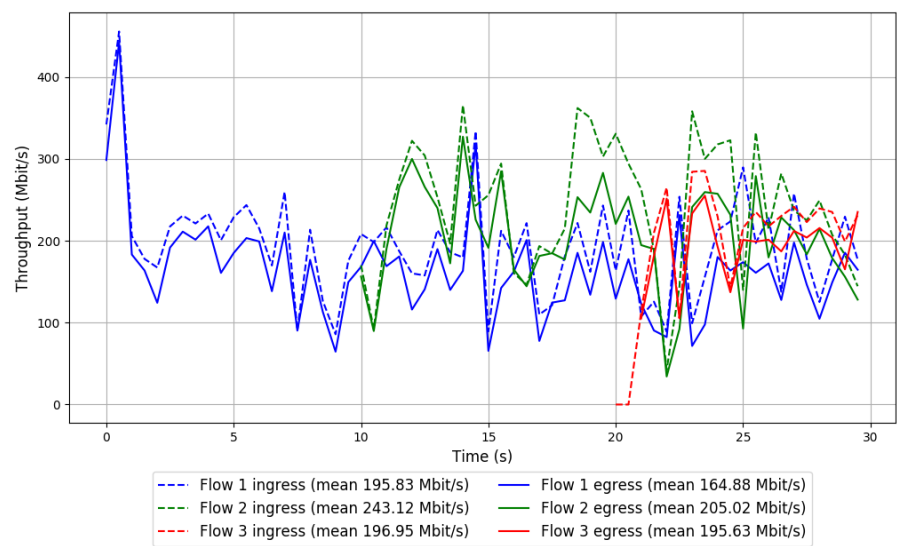


Run 4: Statistics of Verus

Start at: 2018-02-20 16:24:34
End at: 2018-02-20 16:25:04
Local clock offset: 2.182 ms
Remote clock offset: -3.522 ms

Below is generated by plot.py at 2018-02-20 23:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.16 Mbit/s
95th percentile per-packet one-way delay: 42.289 ms
Loss rate: 14.97%
-- Flow 1:
Average throughput: 164.88 Mbit/s
95th percentile per-packet one-way delay: 45.819 ms
Loss rate: 15.80%
-- Flow 2:
Average throughput: 205.02 Mbit/s
95th percentile per-packet one-way delay: 36.269 ms
Loss rate: 15.69%
-- Flow 3:
Average throughput: 195.63 Mbit/s
95th percentile per-packet one-way delay: 30.964 ms
Loss rate: 10.69%

Run 4: Report of Verus — Data Link

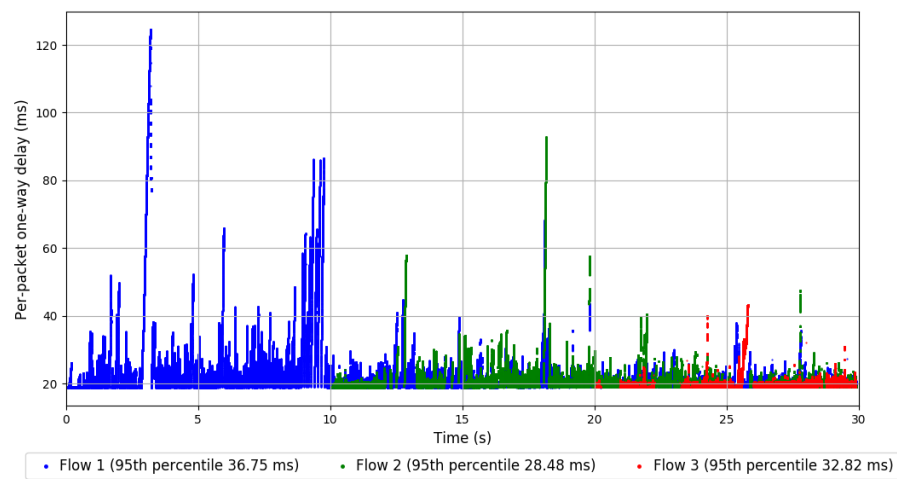
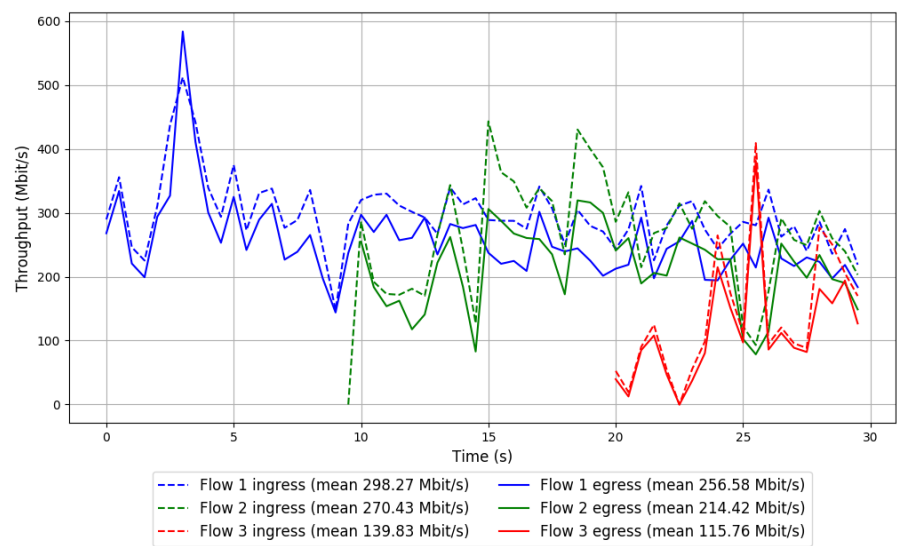


Run 5: Statistics of Verus

Start at: 2018-02-20 16:53:43
End at: 2018-02-20 16:54:13
Local clock offset: 5.601 ms
Remote clock offset: -2.908 ms

Below is generated by plot.py at 2018-02-20 23:13:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.44 Mbit/s
95th percentile per-packet one-way delay: 33.166 ms
Loss rate: 16.57%
-- Flow 1:
Average throughput: 256.58 Mbit/s
95th percentile per-packet one-way delay: 36.754 ms
Loss rate: 13.97%
-- Flow 2:
Average throughput: 214.42 Mbit/s
95th percentile per-packet one-way delay: 28.476 ms
Loss rate: 20.71%
-- Flow 3:
Average throughput: 115.76 Mbit/s
95th percentile per-packet one-way delay: 32.823 ms
Loss rate: 17.21%

Run 5: Report of Verus — Data Link

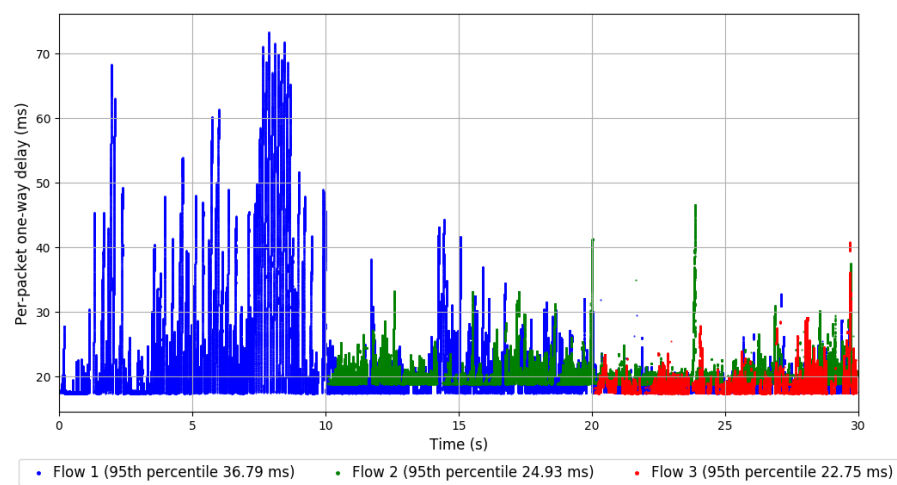
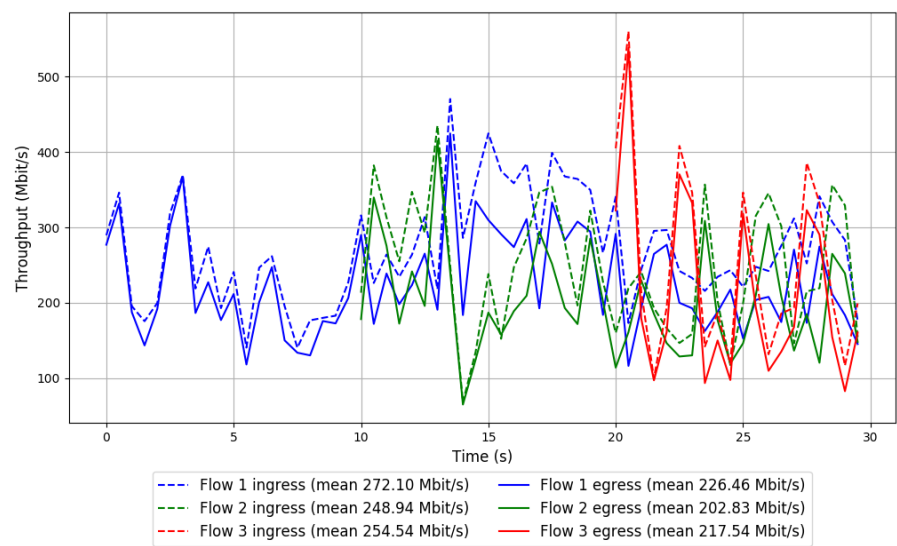


Run 6: Statistics of Verus

Start at: 2018-02-20 17:23:03
End at: 2018-02-20 17:23:33
Local clock offset: 7.155 ms
Remote clock offset: -6.798 ms

Below is generated by plot.py at 2018-02-20 23:13:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 432.69 Mbit/s
95th percentile per-packet one-way delay: 30.253 ms
Loss rate: 16.97%
-- Flow 1:
Average throughput: 226.46 Mbit/s
95th percentile per-packet one-way delay: 36.793 ms
Loss rate: 16.77%
-- Flow 2:
Average throughput: 202.83 Mbit/s
95th percentile per-packet one-way delay: 24.931 ms
Loss rate: 18.52%
-- Flow 3:
Average throughput: 217.54 Mbit/s
95th percentile per-packet one-way delay: 22.755 ms
Loss rate: 14.54%

Run 6: Report of Verus — Data Link

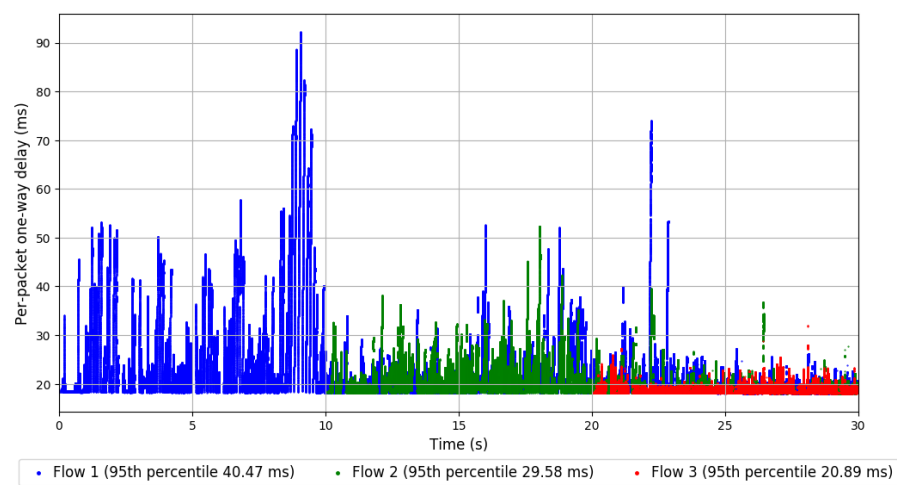
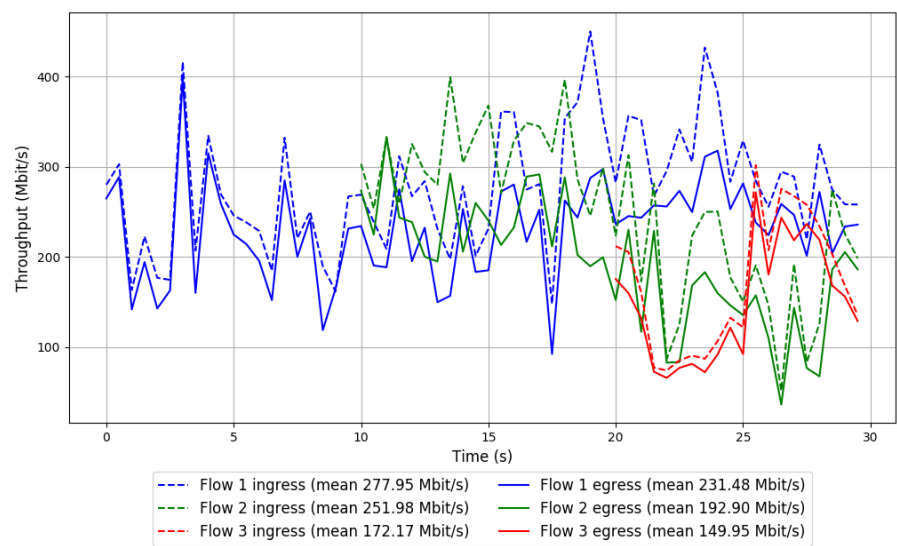


Run 7: Statistics of Verus

Start at: 2018-02-20 17:52:00
End at: 2018-02-20 17:52:30
Local clock offset: 3.098 ms
Remote clock offset: -6.872 ms

Below is generated by plot.py at 2018-02-20 23:17:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.30 Mbit/s
95th percentile per-packet one-way delay: 34.046 ms
Loss rate: 18.53%
-- Flow 1:
Average throughput: 231.48 Mbit/s
95th percentile per-packet one-way delay: 40.471 ms
Loss rate: 16.71%
-- Flow 2:
Average throughput: 192.90 Mbit/s
95th percentile per-packet one-way delay: 29.584 ms
Loss rate: 23.44%
-- Flow 3:
Average throughput: 149.95 Mbit/s
95th percentile per-packet one-way delay: 20.892 ms
Loss rate: 12.90%

Run 7: Report of Verus — Data Link

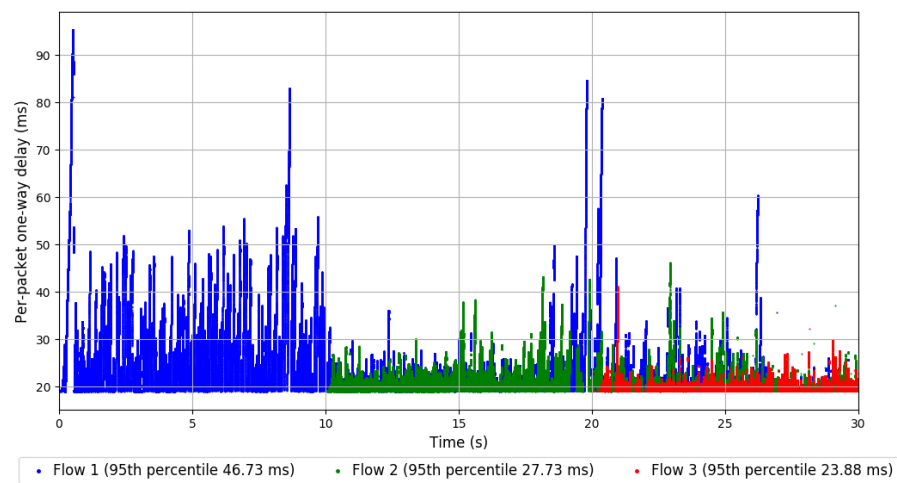
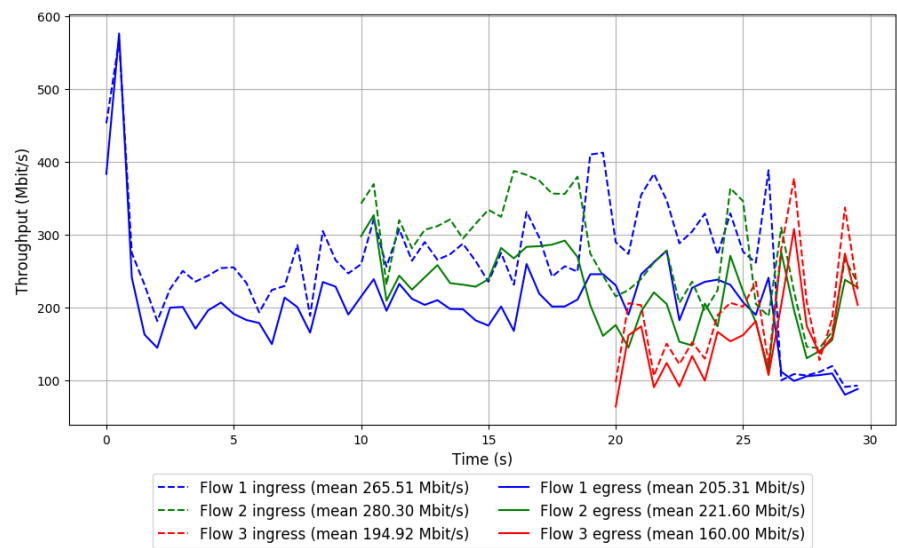


Run 8: Statistics of Verus

Start at: 2018-02-20 18:21:17
End at: 2018-02-20 18:21:47
Local clock offset: -3.227 ms
Remote clock offset: -5.702 ms

Below is generated by plot.py at 2018-02-20 23:17:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 405.76 Mbit/s
95th percentile per-packet one-way delay: 38.408 ms
Loss rate: 21.45%
-- Flow 1:
Average throughput: 205.31 Mbit/s
95th percentile per-packet one-way delay: 46.735 ms
Loss rate: 22.67%
-- Flow 2:
Average throughput: 221.60 Mbit/s
95th percentile per-packet one-way delay: 27.729 ms
Loss rate: 20.94%
-- Flow 3:
Average throughput: 160.00 Mbit/s
95th percentile per-packet one-way delay: 23.879 ms
Loss rate: 17.90%

Run 8: Report of Verus — Data Link

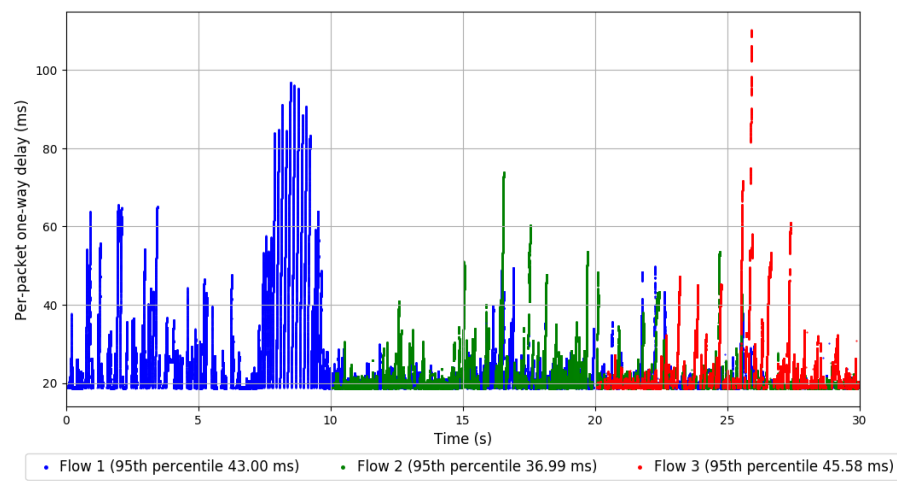
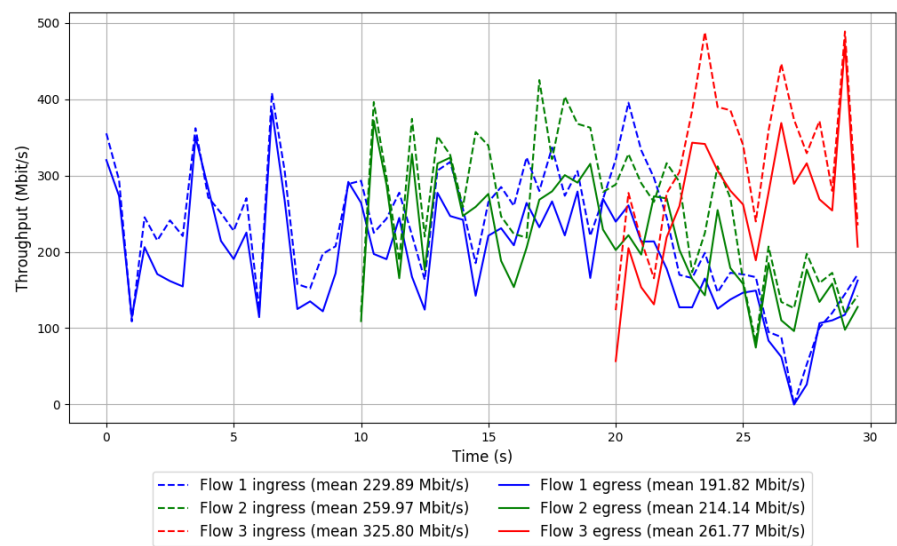


Run 9: Statistics of Verus

Start at: 2018-02-20 18:50:25
End at: 2018-02-20 18:50:55
Local clock offset: -1.31 ms
Remote clock offset: -5.003 ms

Below is generated by plot.py at 2018-02-20 23:17:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.83 Mbit/s
95th percentile per-packet one-way delay: 41.667 ms
Loss rate: 17.58%
-- Flow 1:
Average throughput: 191.82 Mbit/s
95th percentile per-packet one-way delay: 43.003 ms
Loss rate: 16.57%
-- Flow 2:
Average throughput: 214.14 Mbit/s
95th percentile per-packet one-way delay: 36.991 ms
Loss rate: 17.63%
-- Flow 3:
Average throughput: 261.77 Mbit/s
95th percentile per-packet one-way delay: 45.580 ms
Loss rate: 19.64%

Run 9: Report of Verus — Data Link

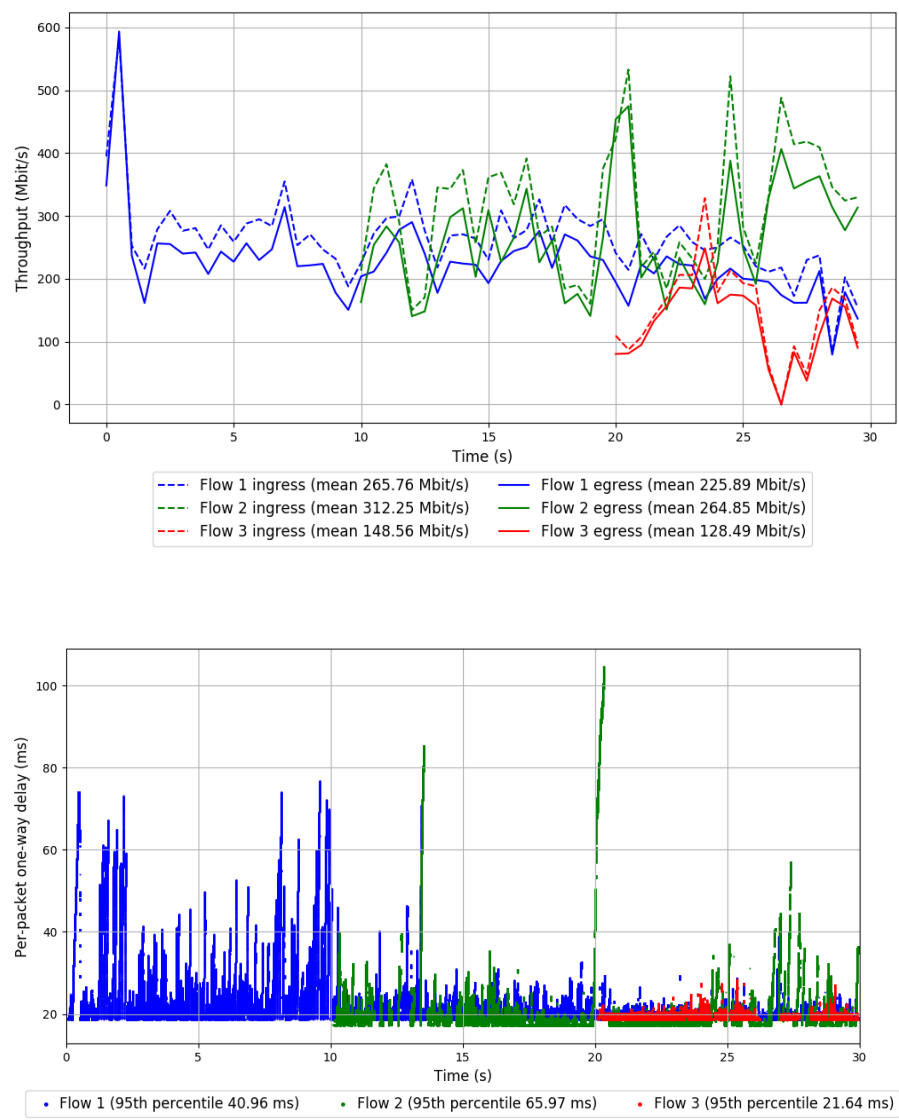


Run 10: Statistics of Verus

Start at: 2018-02-20 19:19:16
End at: 2018-02-20 19:19:46
Local clock offset: 1.032 ms
Remote clock offset: -4.991 ms

Below is generated by plot.py at 2018-02-20 23:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.97 Mbit/s
95th percentile per-packet one-way delay: 41.592 ms
Loss rate: 14.93%
-- Flow 1:
Average throughput: 225.89 Mbit/s
95th percentile per-packet one-way delay: 40.962 ms
Loss rate: 15.00%
-- Flow 2:
Average throughput: 264.85 Mbit/s
95th percentile per-packet one-way delay: 65.965 ms
Loss rate: 15.16%
-- Flow 3:
Average throughput: 128.49 Mbit/s
95th percentile per-packet one-way delay: 21.636 ms
Loss rate: 13.51%

Run 10: Report of Verus — Data Link

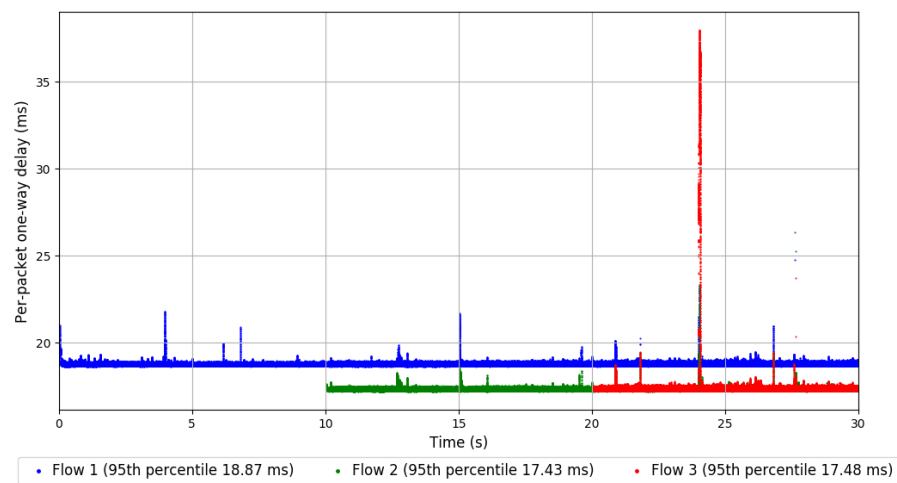
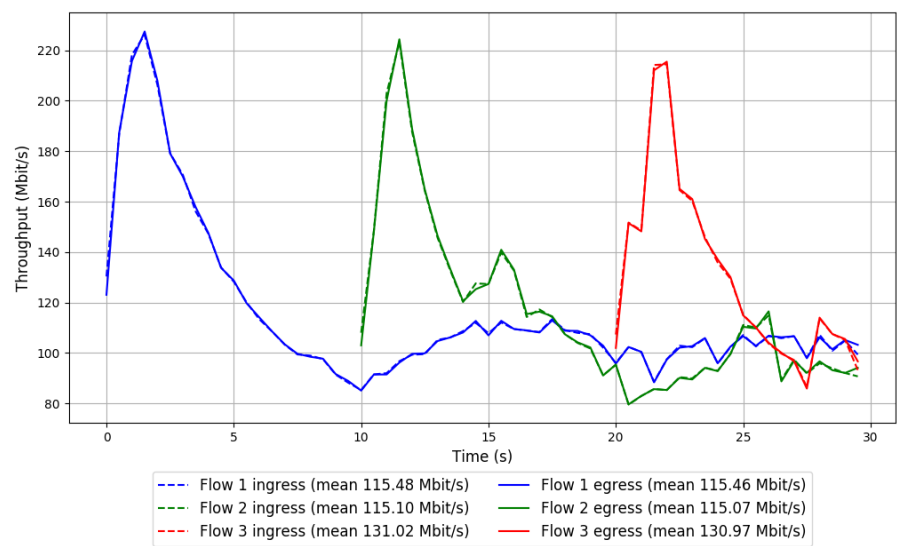


Run 1: Statistics of Copa

Start at: 2018-02-20 15:03:41
End at: 2018-02-20 15:04:11
Local clock offset: 4.821 ms
Remote clock offset: -6.761 ms

Below is generated by plot.py at 2018-02-20 23:18:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.54 Mbit/s
95th percentile per-packet one-way delay: 18.835 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 115.46 Mbit/s
95th percentile per-packet one-way delay: 18.869 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 115.07 Mbit/s
95th percentile per-packet one-way delay: 17.435 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 130.97 Mbit/s
95th percentile per-packet one-way delay: 17.483 ms
Loss rate: 0.04%

Run 1: Report of Copa — Data Link

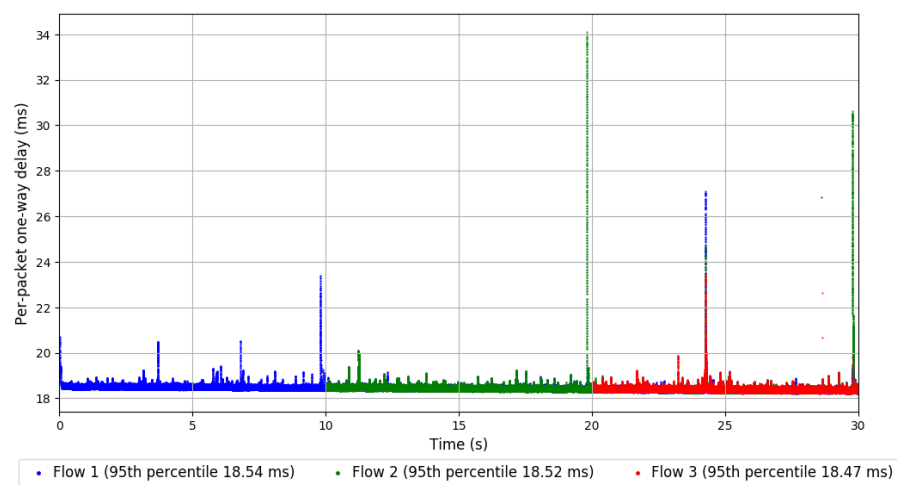
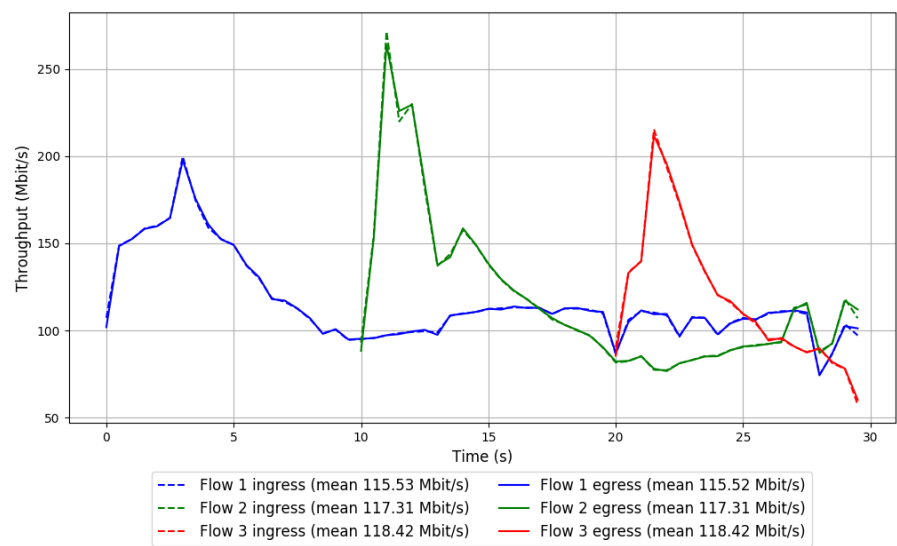


Run 2: Statistics of Copa

Start at: 2018-02-20 15:32:55
End at: 2018-02-20 15:33:25
Local clock offset: 3.716 ms
Remote clock offset: -6.405 ms

```
# Below is generated by plot.py at 2018-02-20 23:18:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 232.88 Mbit/s
95th percentile per-packet one-way delay: 18.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.52 Mbit/s
95th percentile per-packet one-way delay: 18.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.31 Mbit/s
95th percentile per-packet one-way delay: 18.515 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.42 Mbit/s
95th percentile per-packet one-way delay: 18.473 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

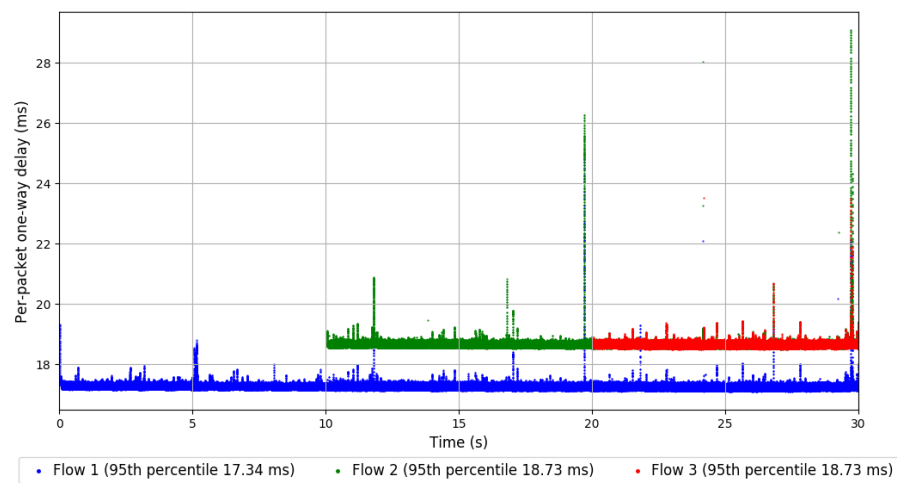
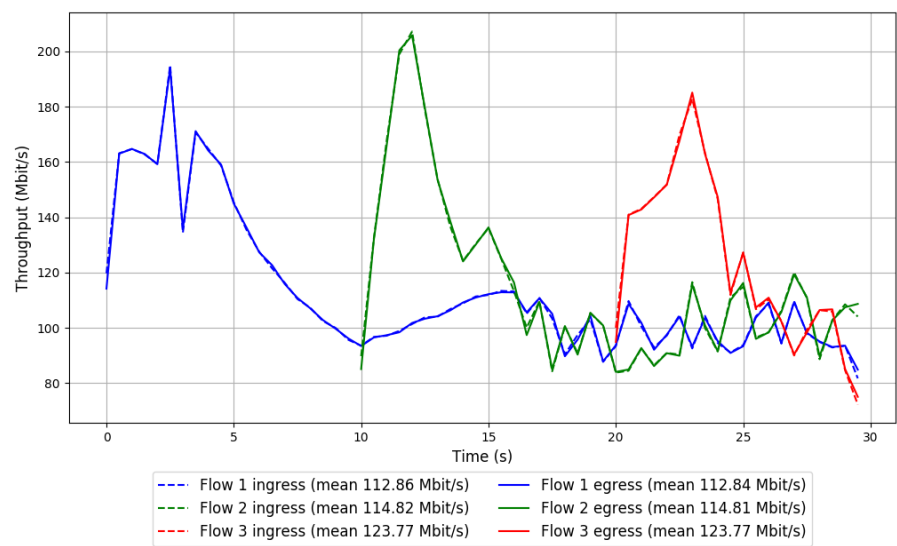


Run 3: Statistics of Copa

Start at: 2018-02-20 16:02:04
End at: 2018-02-20 16:02:34
Local clock offset: -0.623 ms
Remote clock offset: -4.264 ms

Below is generated by plot.py at 2018-02-20 23:19:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.37 Mbit/s
95th percentile per-packet one-way delay: 18.700 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 112.84 Mbit/s
95th percentile per-packet one-way delay: 17.339 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 114.81 Mbit/s
95th percentile per-packet one-way delay: 18.734 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 123.77 Mbit/s
95th percentile per-packet one-way delay: 18.729 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

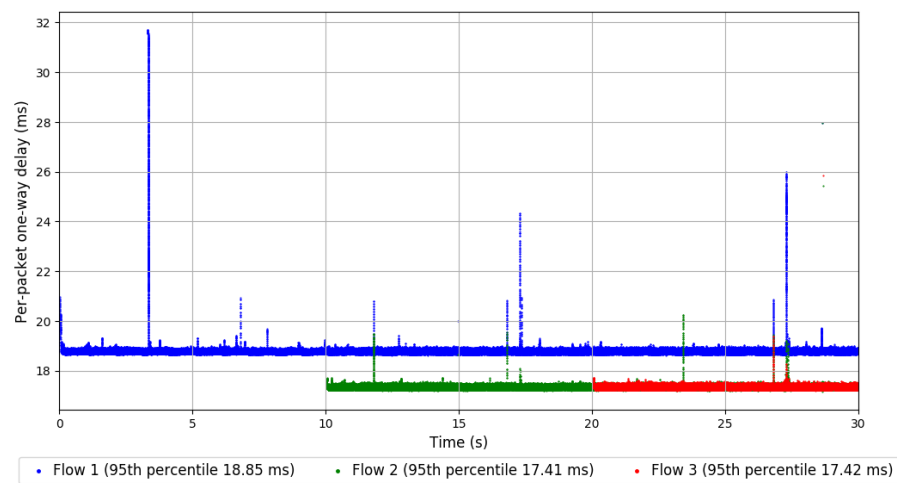
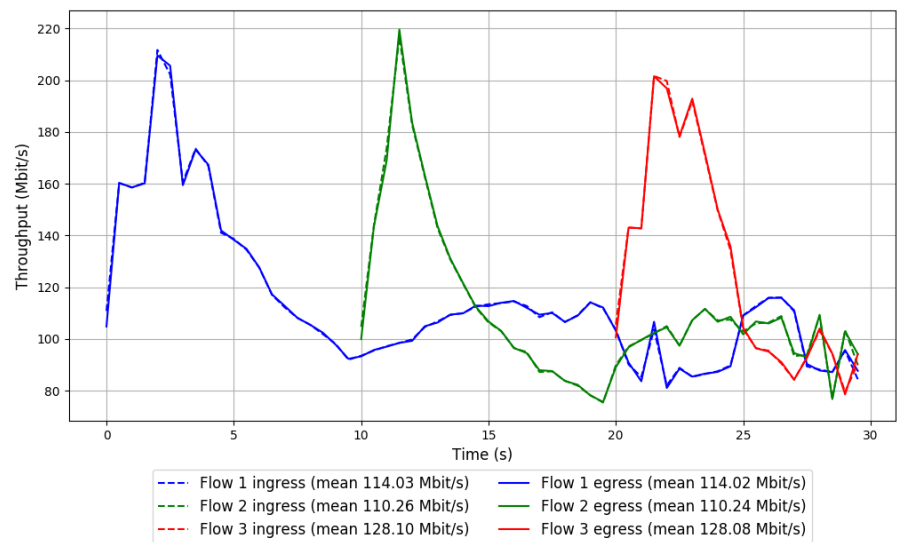


Run 4: Statistics of Copa

Start at: 2018-02-20 16:31:06
End at: 2018-02-20 16:31:36
Local clock offset: 2.485 ms
Remote clock offset: -3.281 ms

Below is generated by plot.py at 2018-02-20 23:19:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.95 Mbit/s
95th percentile per-packet one-way delay: 18.812 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 114.02 Mbit/s
95th percentile per-packet one-way delay: 18.846 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 110.24 Mbit/s
95th percentile per-packet one-way delay: 17.412 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 128.08 Mbit/s
95th percentile per-packet one-way delay: 17.424 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link

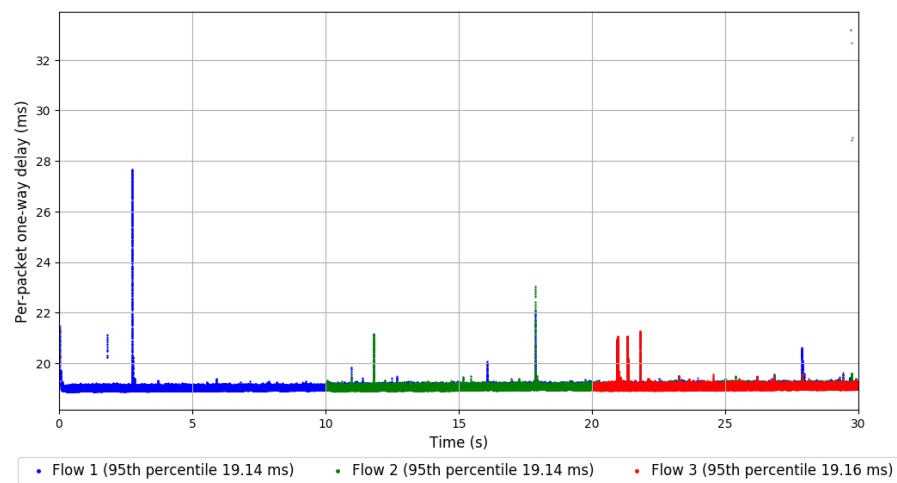
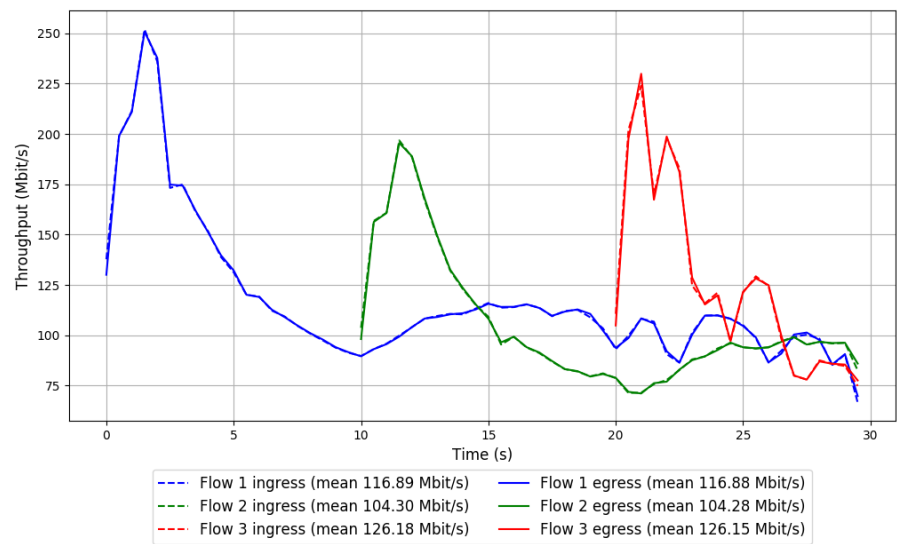


Run 5: Statistics of Copa

Start at: 2018-02-20 17:00:25
End at: 2018-02-20 17:00:55
Local clock offset: 5.979 ms
Remote clock offset: -4.745 ms

Below is generated by plot.py at 2018-02-20 23:22:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.18 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 116.88 Mbit/s
95th percentile per-packet one-way delay: 19.141 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 104.28 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 126.15 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.02%

Run 5: Report of Copa — Data Link

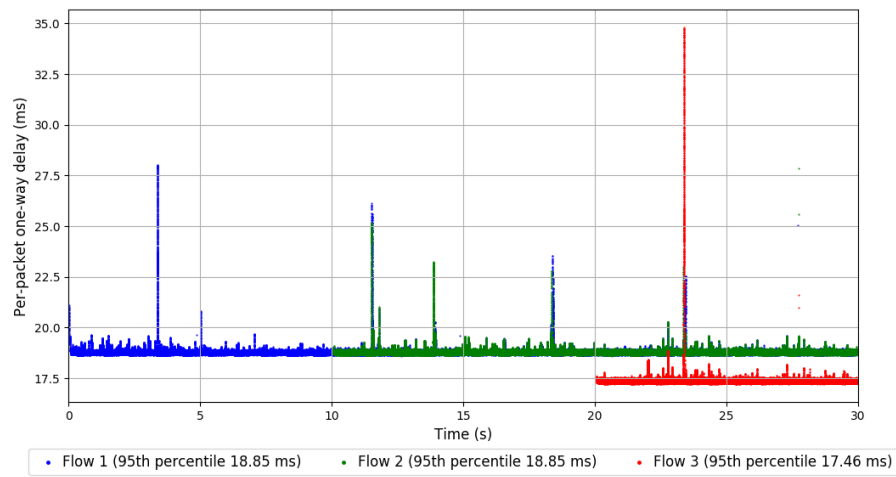
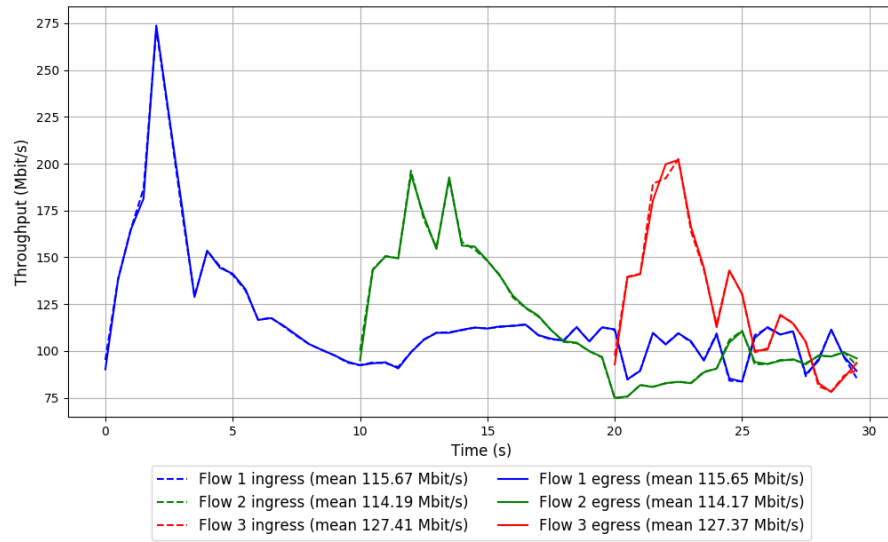


Run 6: Statistics of Copa

Start at: 2018-02-20 17:29:39
End at: 2018-02-20 17:30:09
Local clock offset: 7.532 ms
Remote clock offset: -6.856 ms

Below is generated by plot.py at 2018-02-20 23:23:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.92 Mbit/s
95th percentile per-packet one-way delay: 18.838 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 115.65 Mbit/s
95th percentile per-packet one-way delay: 18.846 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 114.17 Mbit/s
95th percentile per-packet one-way delay: 18.850 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 127.37 Mbit/s
95th percentile per-packet one-way delay: 17.458 ms
Loss rate: 0.03%

Run 6: Report of Copa — Data Link

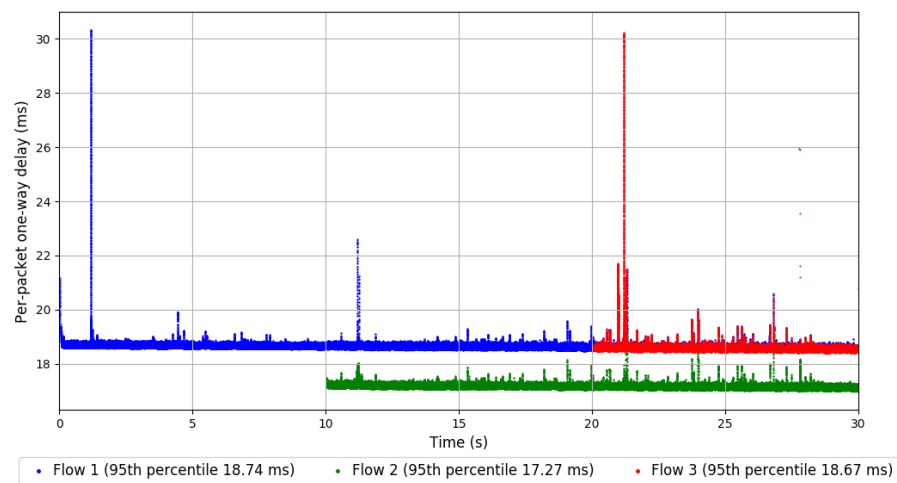
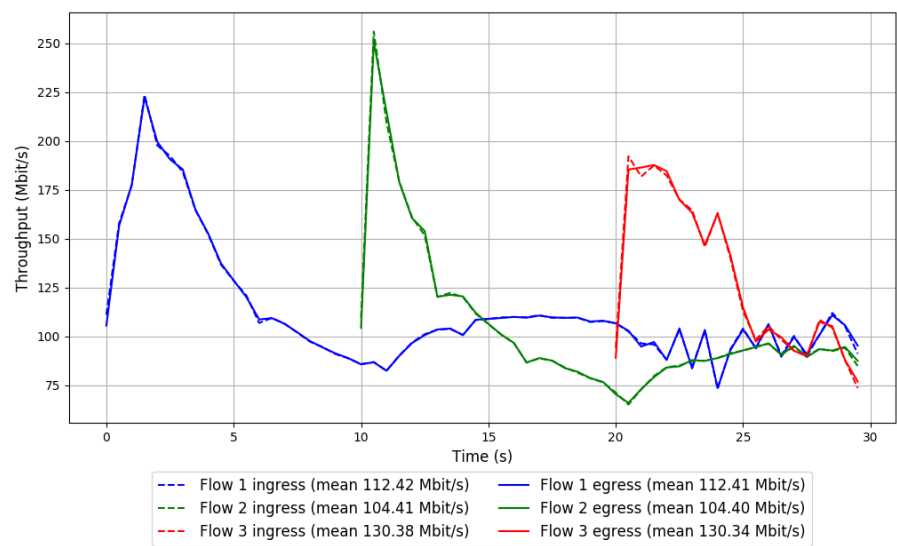


Run 7: Statistics of Copa

Start at: 2018-02-20 17:58:41
End at: 2018-02-20 17:59:11
Local clock offset: 0.154 ms
Remote clock offset: -6.904 ms

Below is generated by plot.py at 2018-02-20 23:23:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.19 Mbit/s
95th percentile per-packet one-way delay: 18.712 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 112.41 Mbit/s
95th percentile per-packet one-way delay: 18.739 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 104.40 Mbit/s
95th percentile per-packet one-way delay: 17.273 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 130.34 Mbit/s
95th percentile per-packet one-way delay: 18.670 ms
Loss rate: 0.01%

Run 7: Report of Copa — Data Link

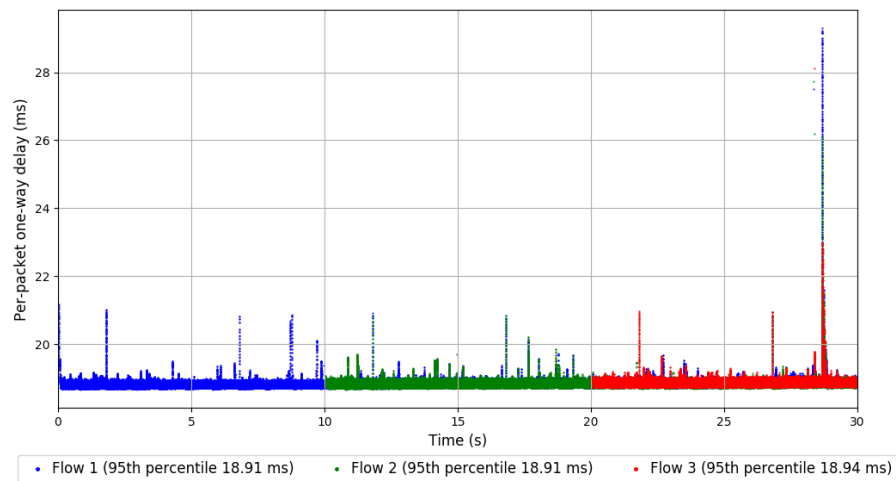
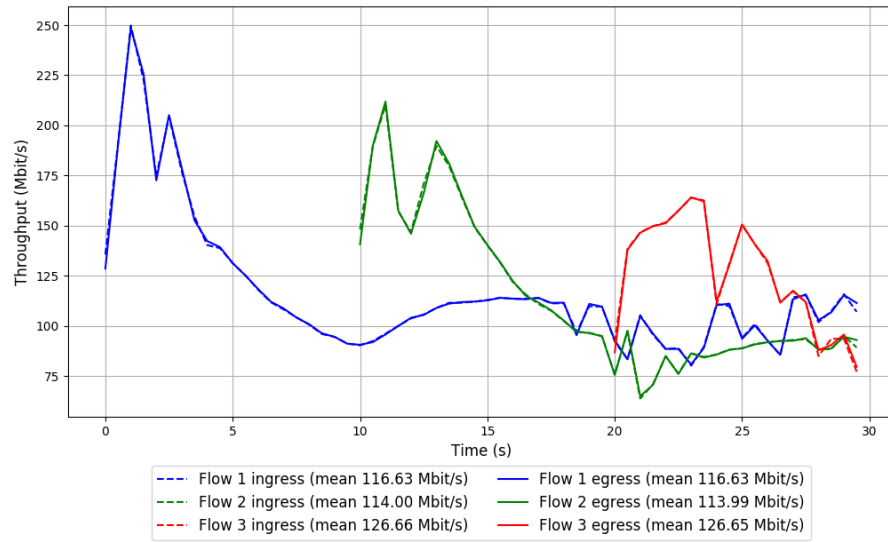


Run 8: Statistics of Copa

Start at: 2018-02-20 18:27:53
End at: 2018-02-20 18:28:23
Local clock offset: -1.791 ms
Remote clock offset: -5.674 ms

```
# Below is generated by plot.py at 2018-02-20 23:23:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 234.54 Mbit/s
95th percentile per-packet one-way delay: 18.917 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 116.63 Mbit/s
95th percentile per-packet one-way delay: 18.906 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 113.99 Mbit/s
95th percentile per-packet one-way delay: 18.915 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 126.65 Mbit/s
95th percentile per-packet one-way delay: 18.942 ms
Loss rate: 0.01%
```

Run 8: Report of Copa — Data Link

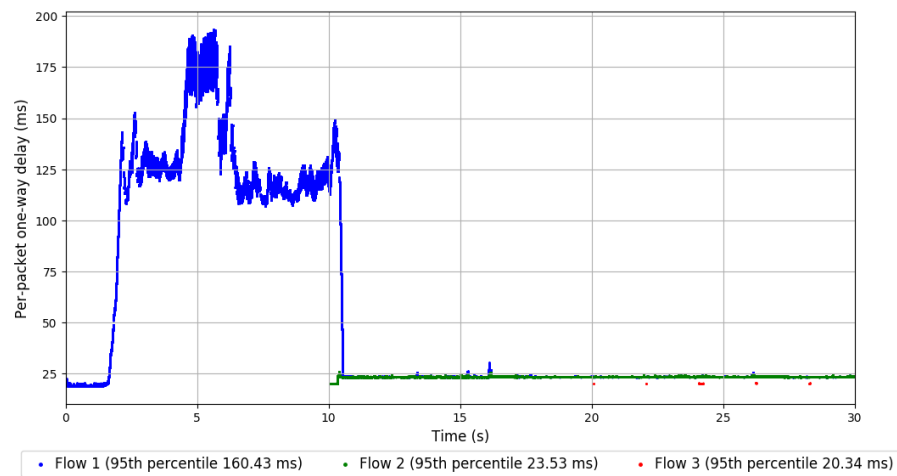
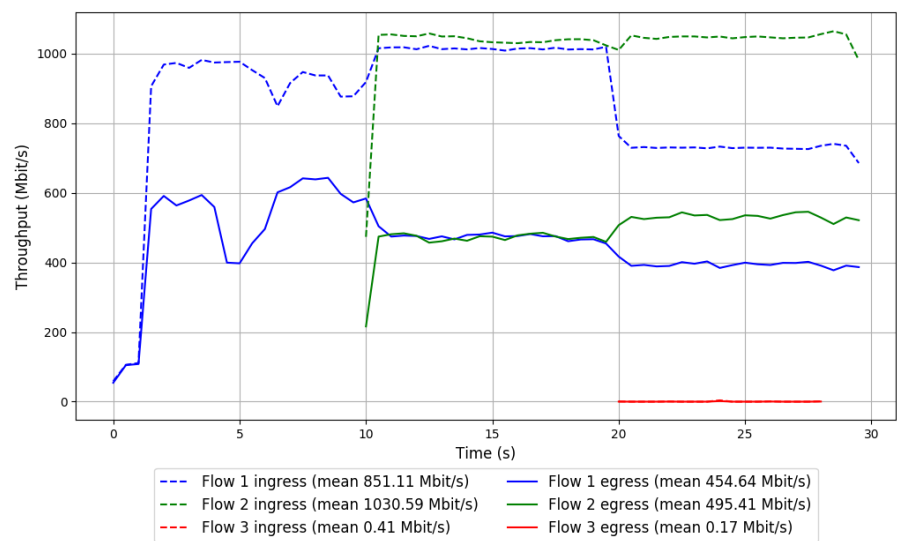


Run 9: Statistics of Copa

Start at: 2018-02-20 18:57:05
End at: 2018-02-20 18:57:35
Local clock offset: -0.527 ms
Remote clock offset: -4.813 ms

Below is generated by plot.py at 2018-02-20 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 784.64 Mbit/s
95th percentile per-packet one-way delay: 137.701 ms
Loss rate: 48.96%
-- Flow 1:
Average throughput: 454.64 Mbit/s
95th percentile per-packet one-way delay: 160.428 ms
Loss rate: 46.57%
-- Flow 2:
Average throughput: 495.41 Mbit/s
95th percentile per-packet one-way delay: 23.534 ms
Loss rate: 51.92%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 20.342 ms
Loss rate: 58.62%

Run 9: Report of Copa — Data Link

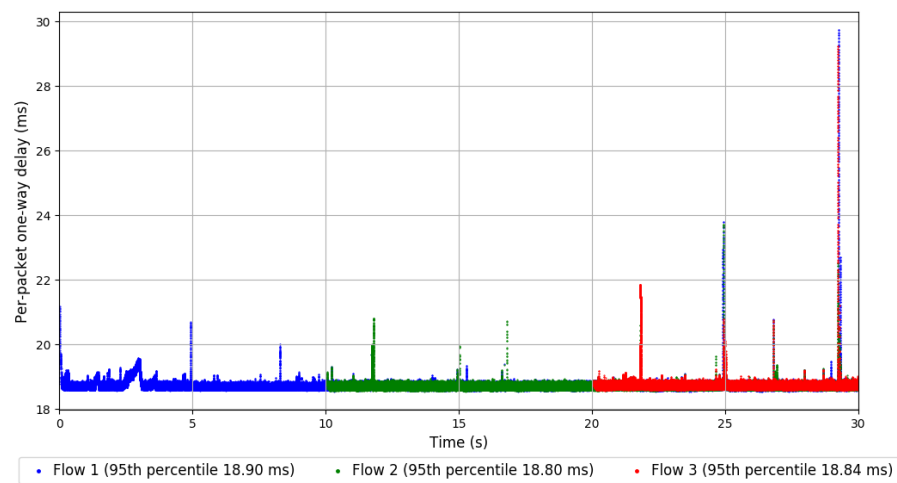
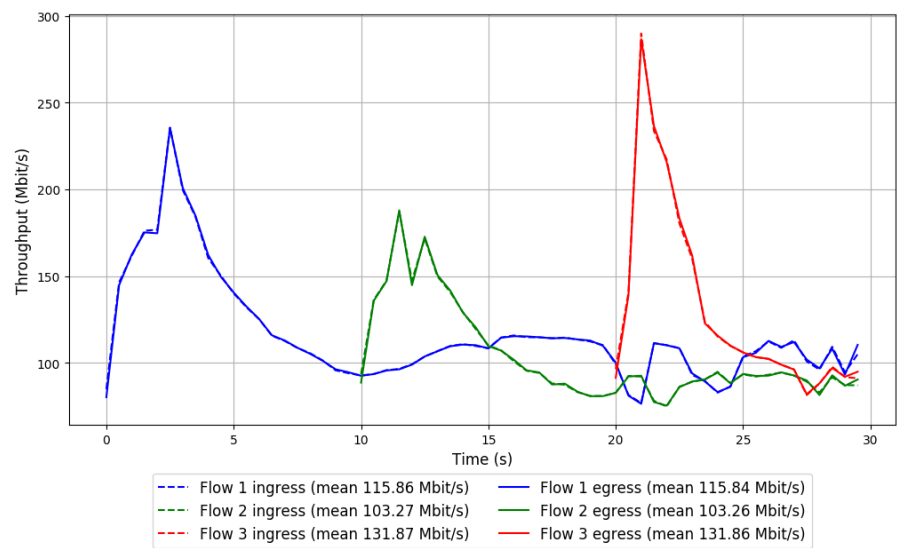


Run 10: Statistics of Copa

Start at: 2018-02-20 19:25:56
End at: 2018-02-20 19:26:26
Local clock offset: 1.103 ms
Remote clock offset: -5.047 ms

Below is generated by plot.py at 2018-02-20 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.35 Mbit/s
95th percentile per-packet one-way delay: 18.841 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 115.84 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 103.26 Mbit/s
95th percentile per-packet one-way delay: 18.799 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 131.86 Mbit/s
95th percentile per-packet one-way delay: 18.843 ms
Loss rate: 0.01%

Run 10: Report of Copa — Data Link

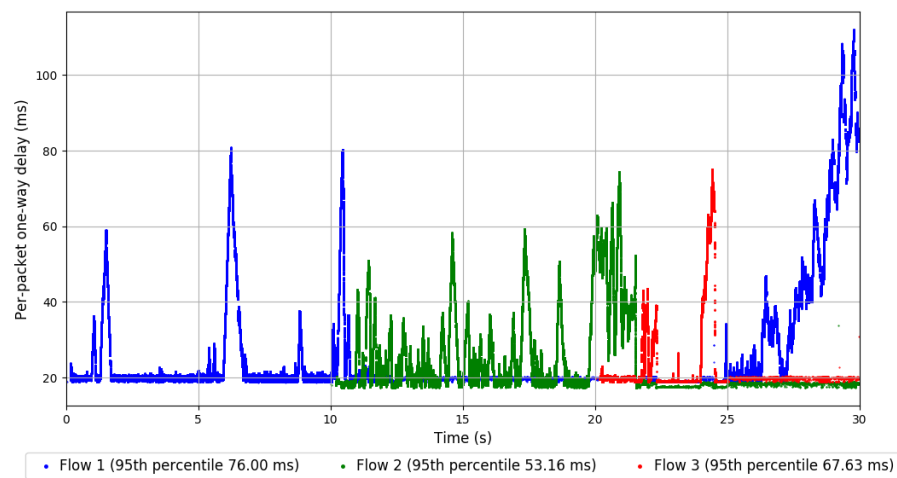
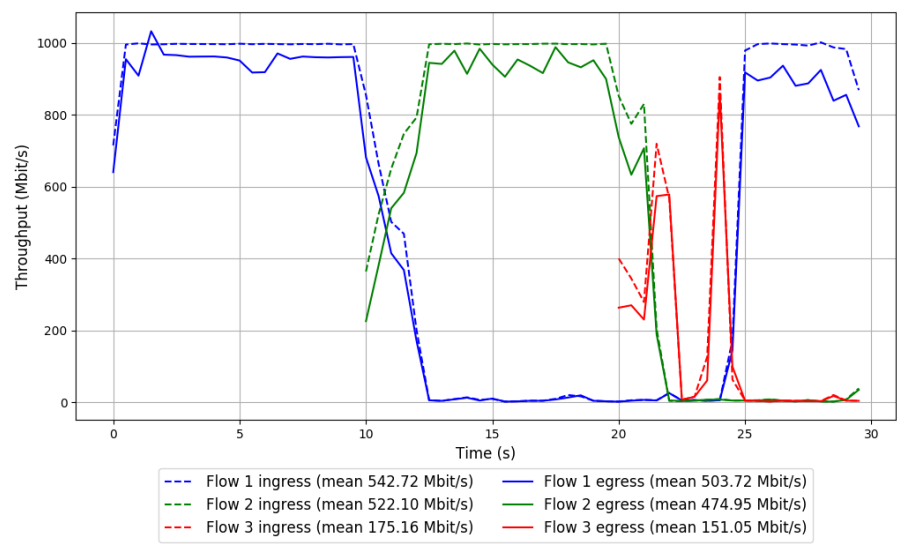


Run 1: Statistics of FillP

Start at: 2018-02-20 14:55:14
End at: 2018-02-20 14:55:44
Local clock offset: 4.532 ms
Remote clock offset: -6.618 ms

Below is generated by plot.py at 2018-02-20 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 869.66 Mbit/s
95th percentile per-packet one-way delay: 65.944 ms
Loss rate: 8.26%
-- Flow 1:
Average throughput: 503.72 Mbit/s
95th percentile per-packet one-way delay: 76.000 ms
Loss rate: 7.19%
-- Flow 2:
Average throughput: 474.95 Mbit/s
95th percentile per-packet one-way delay: 53.161 ms
Loss rate: 9.03%
-- Flow 3:
Average throughput: 151.05 Mbit/s
95th percentile per-packet one-way delay: 67.631 ms
Loss rate: 13.67%

Run 1: Report of FillP — Data Link

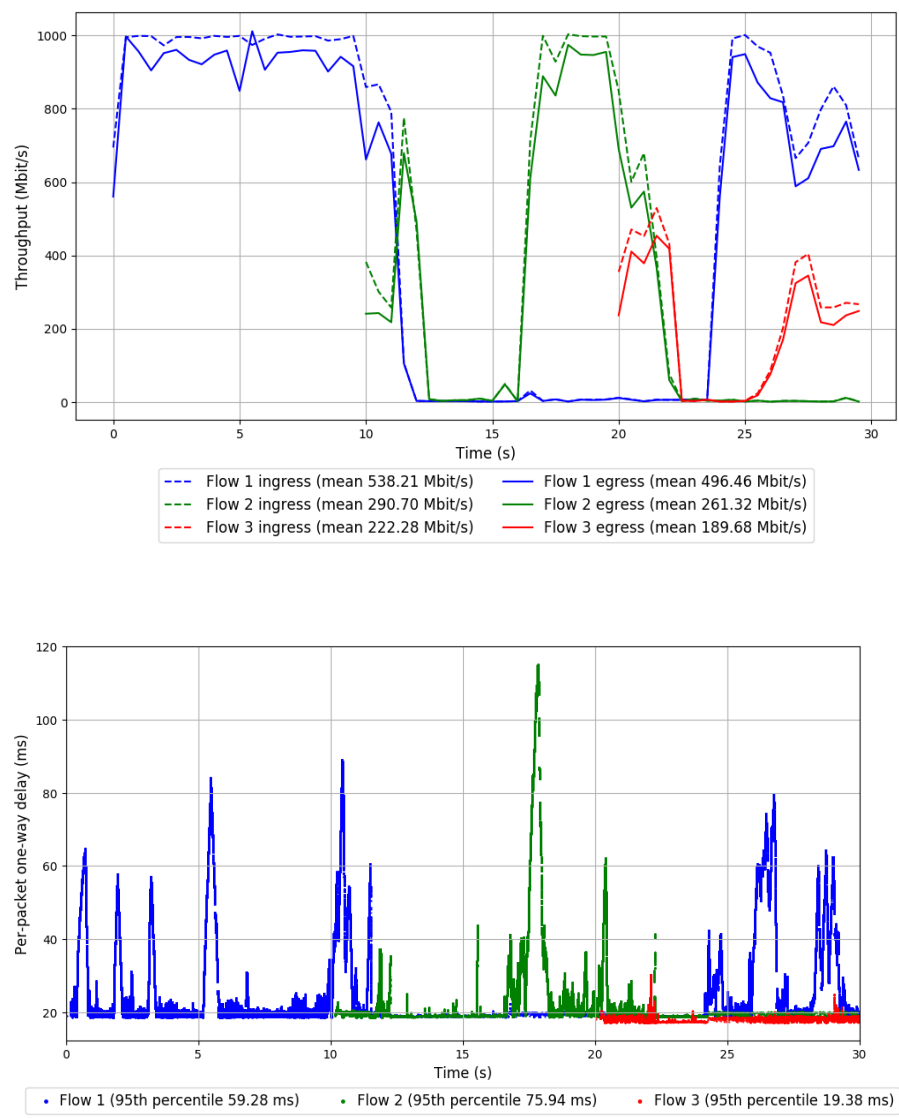


Run 2: Statistics of FillP

Start at: 2018-02-20 15:24:32
End at: 2018-02-20 15:25:02
Local clock offset: 5.426 ms
Remote clock offset: -6.487 ms

Below is generated by plot.py at 2018-02-20 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 733.12 Mbit/s
95th percentile per-packet one-way delay: 59.459 ms
Loss rate: 8.95%
-- Flow 1:
Average throughput: 496.46 Mbit/s
95th percentile per-packet one-way delay: 59.278 ms
Loss rate: 7.75%
-- Flow 2:
Average throughput: 261.32 Mbit/s
95th percentile per-packet one-way delay: 75.936 ms
Loss rate: 10.11%
-- Flow 3:
Average throughput: 189.68 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 14.67%

Run 2: Report of FillP — Data Link

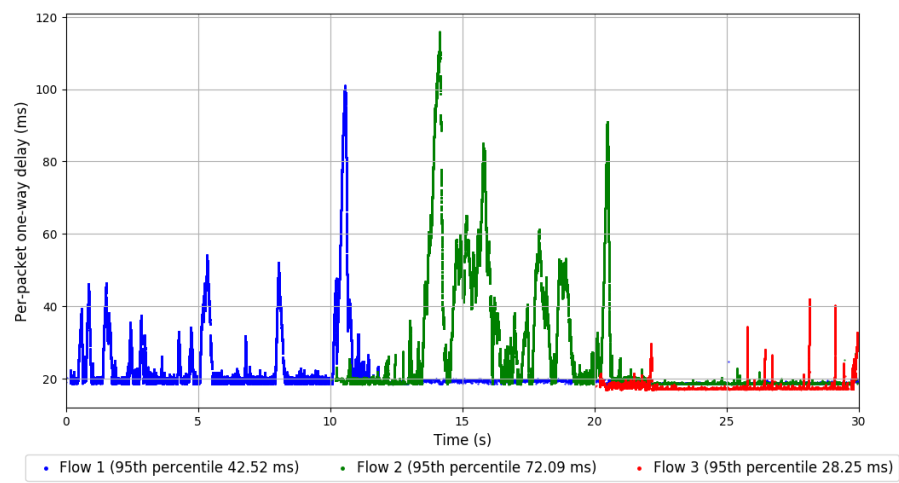
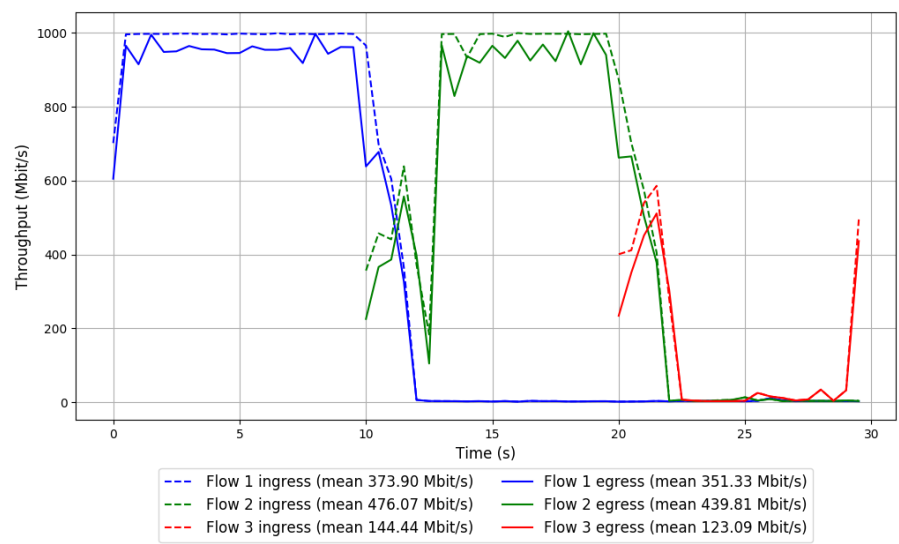


Run 3: Statistics of FillP

Start at: 2018-02-20 15:53:49
End at: 2018-02-20 15:54:19
Local clock offset: -0.019 ms
Remote clock offset: -4.913 ms

Below is generated by plot.py at 2018-02-20 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 684.61 Mbit/s
95th percentile per-packet one-way delay: 58.074 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 351.33 Mbit/s
95th percentile per-packet one-way delay: 42.523 ms
Loss rate: 6.03%
-- Flow 2:
Average throughput: 439.81 Mbit/s
95th percentile per-packet one-way delay: 72.093 ms
Loss rate: 7.62%
-- Flow 3:
Average throughput: 123.09 Mbit/s
95th percentile per-packet one-way delay: 28.253 ms
Loss rate: 14.78%

Run 3: Report of FillP — Data Link

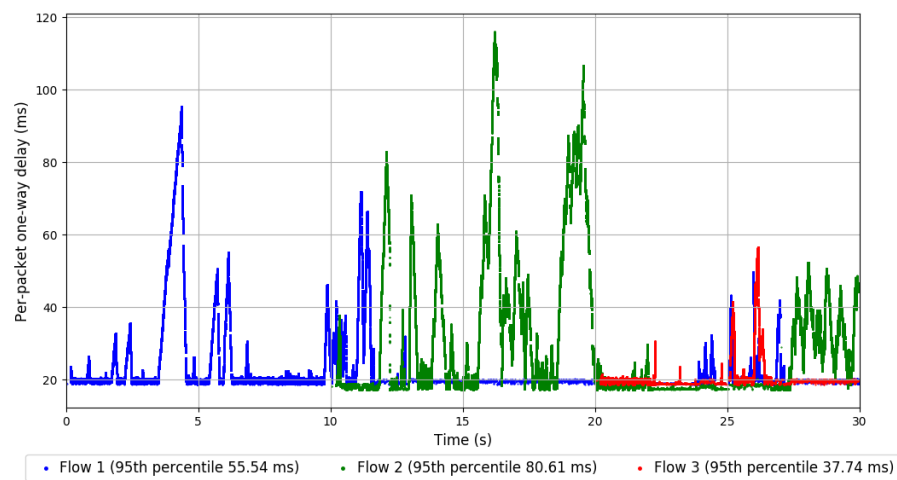
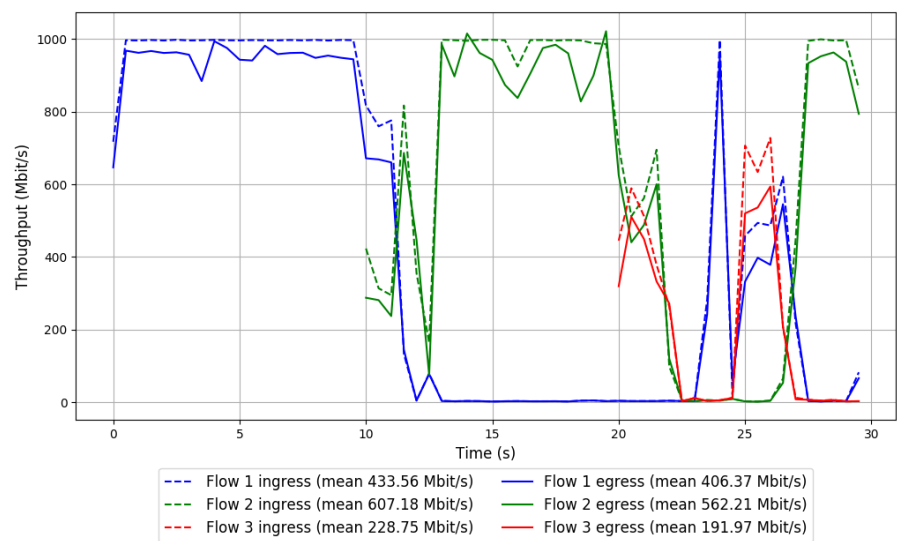


Run 4: Statistics of FillP

Start at: 2018-02-20 16:22:48
End at: 2018-02-20 16:23:18
Local clock offset: 2.182 ms
Remote clock offset: -3.524 ms

Below is generated by plot.py at 2018-02-20 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 844.18 Mbit/s
95th percentile per-packet one-way delay: 71.233 ms
Loss rate: 7.58%
-- Flow 1:
Average throughput: 406.37 Mbit/s
95th percentile per-packet one-way delay: 55.538 ms
Loss rate: 6.27%
-- Flow 2:
Average throughput: 562.21 Mbit/s
95th percentile per-packet one-way delay: 80.608 ms
Loss rate: 7.40%
-- Flow 3:
Average throughput: 191.97 Mbit/s
95th percentile per-packet one-way delay: 37.743 ms
Loss rate: 16.08%

Run 4: Report of FillP — Data Link

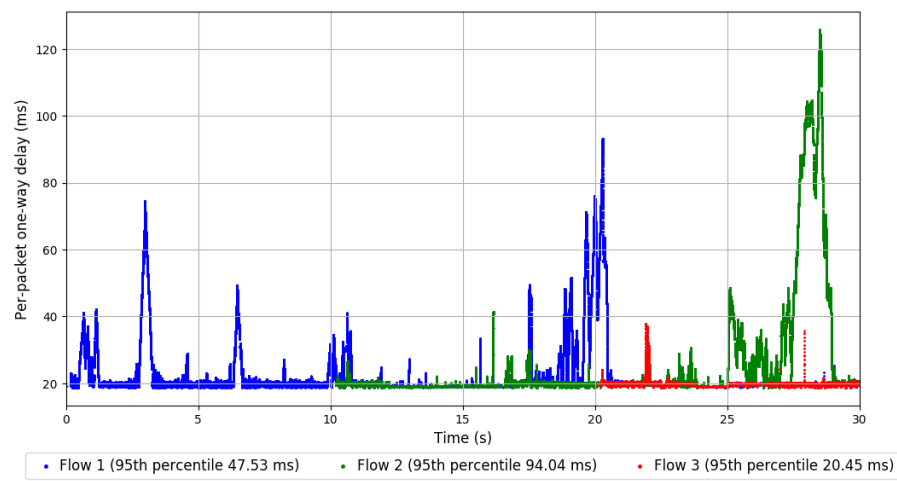
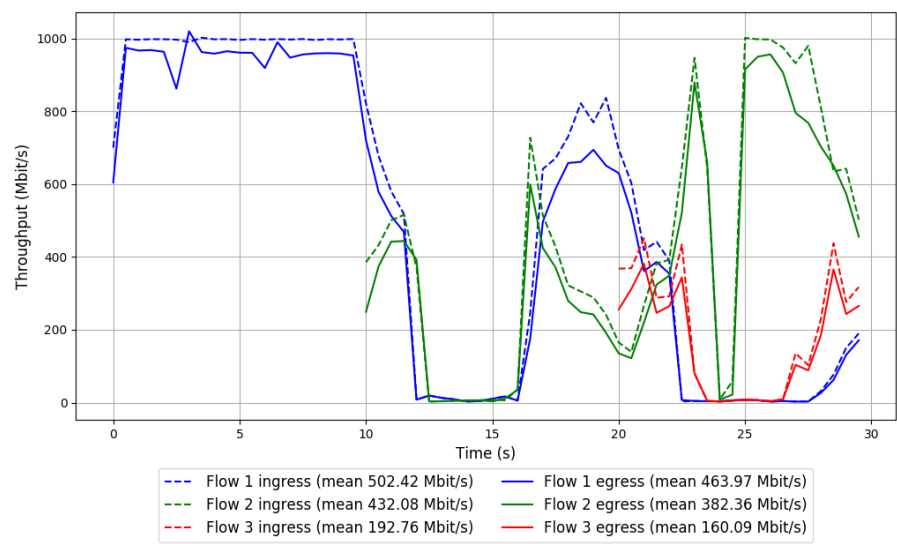


Run 5: Statistics of FillP

Start at: 2018-02-20 16:51:52
End at: 2018-02-20 16:52:22
Local clock offset: 5.408 ms
Remote clock offset: -2.648 ms

Below is generated by plot.py at 2018-02-20 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 771.46 Mbit/s
95th percentile per-packet one-way delay: 58.614 ms
Loss rate: 9.64%
-- Flow 1:
Average throughput: 463.97 Mbit/s
95th percentile per-packet one-way delay: 47.533 ms
Loss rate: 7.65%
-- Flow 2:
Average throughput: 382.36 Mbit/s
95th percentile per-packet one-way delay: 94.036 ms
Loss rate: 11.50%
-- Flow 3:
Average throughput: 160.09 Mbit/s
95th percentile per-packet one-way delay: 20.453 ms
Loss rate: 16.95%

Run 5: Report of FillP — Data Link

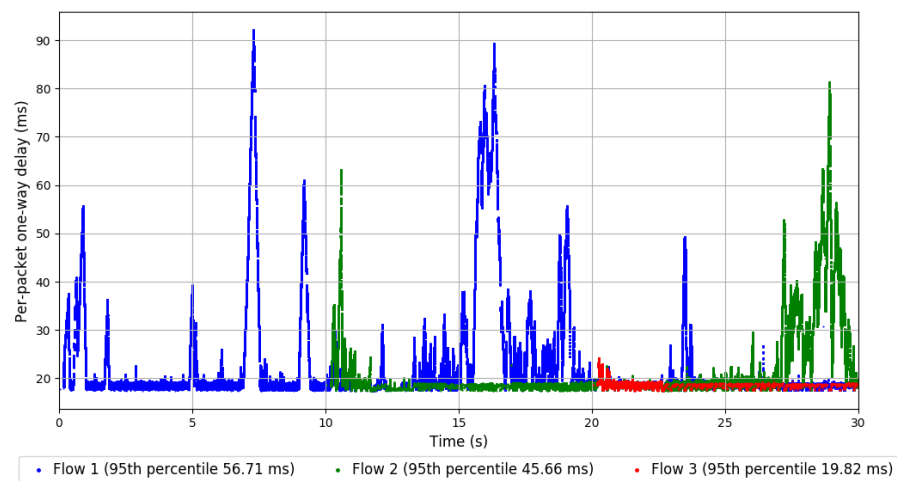
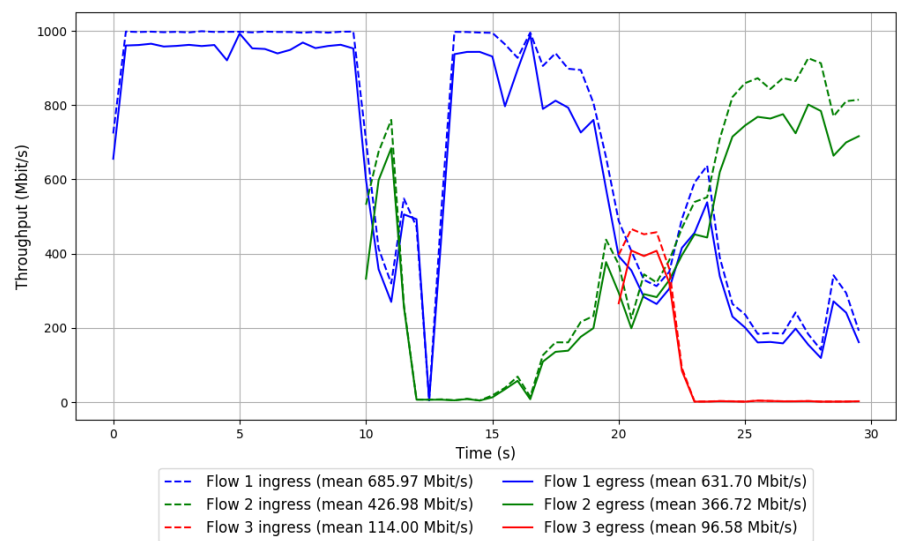


Run 6: Statistics of FillP

Start at: 2018-02-20 17:21:12
End at: 2018-02-20 17:21:42
Local clock offset: 7.067 ms
Remote clock offset: -6.702 ms

Below is generated by plot.py at 2018-02-20 23:39:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 907.81 Mbit/s
95th percentile per-packet one-way delay: 51.413 ms
Loss rate: 9.93%
-- Flow 1:
Average throughput: 631.70 Mbit/s
95th percentile per-packet one-way delay: 56.711 ms
Loss rate: 7.91%
-- Flow 2:
Average throughput: 366.72 Mbit/s
95th percentile per-packet one-way delay: 45.664 ms
Loss rate: 14.11%
-- Flow 3:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 19.816 ms
Loss rate: 15.28%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-02-20 17:50:17

End at: 2018-02-20 17:50:47

Local clock offset: 4.188 ms

Remote clock offset: -6.78 ms

Below is generated by plot.py at 2018-02-20 23:39:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 685.40 Mbit/s

95th percentile per-packet one-way delay: 59.680 ms

Loss rate: 9.90%

-- Flow 1:

Average throughput: 347.09 Mbit/s

95th percentile per-packet one-way delay: 79.393 ms

Loss rate: 6.62%

-- Flow 2:

Average throughput: 281.90 Mbit/s

95th percentile per-packet one-way delay: 36.238 ms

Loss rate: 13.17%

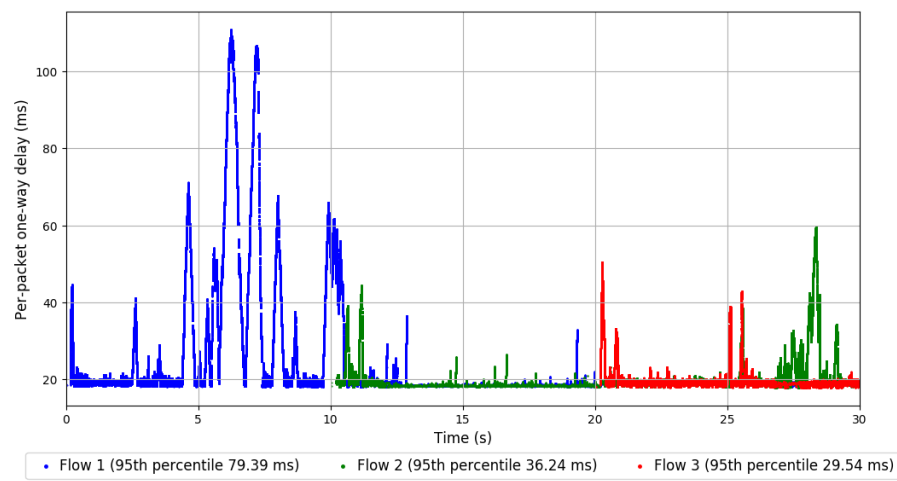
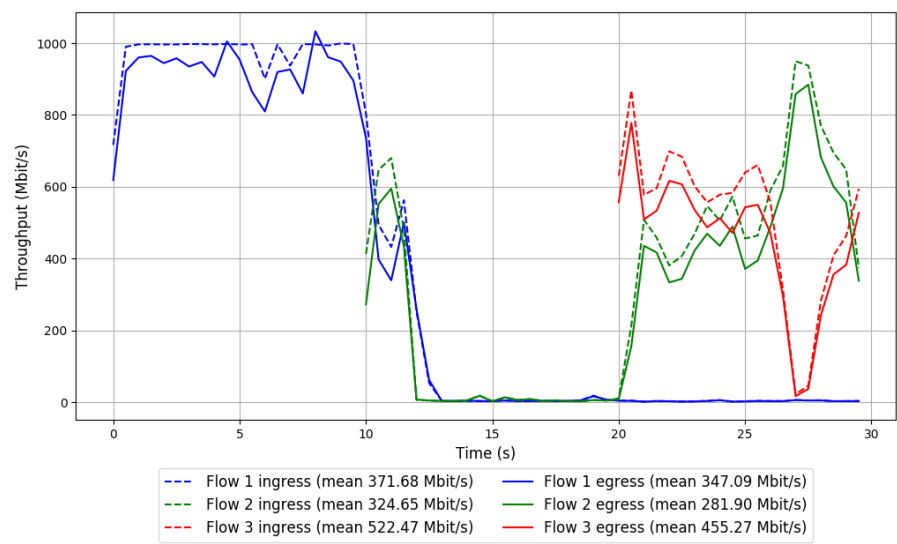
-- Flow 3:

Average throughput: 455.27 Mbit/s

95th percentile per-packet one-way delay: 29.539 ms

Loss rate: 12.86%

Run 7: Report of FillP — Data Link

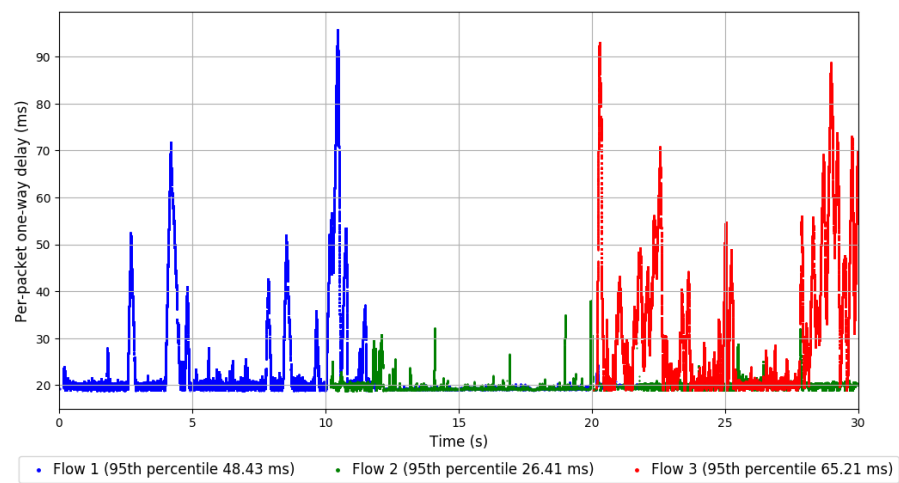
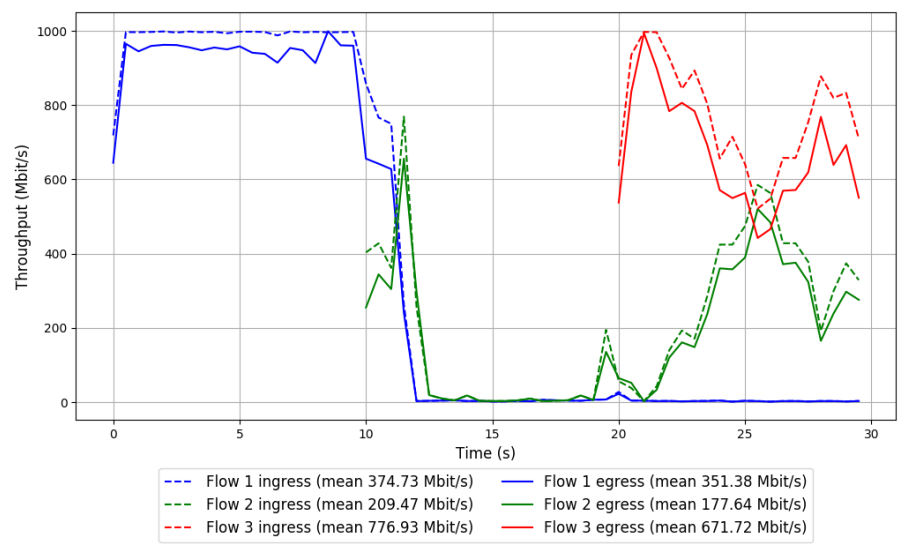


Run 8: Statistics of FillP

Start at: 2018-02-20 18:19:34
End at: 2018-02-20 18:20:04
Local clock offset: -3.717 ms
Remote clock offset: -5.769 ms

Below is generated by plot.py at 2018-02-20 23:41:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 692.34 Mbit/s
95th percentile per-packet one-way delay: 53.202 ms
Loss rate: 10.28%
-- Flow 1:
Average throughput: 351.38 Mbit/s
95th percentile per-packet one-way delay: 48.429 ms
Loss rate: 6.23%
-- Flow 2:
Average throughput: 177.64 Mbit/s
95th percentile per-packet one-way delay: 26.406 ms
Loss rate: 15.19%
-- Flow 3:
Average throughput: 671.72 Mbit/s
95th percentile per-packet one-way delay: 65.206 ms
Loss rate: 13.53%

Run 8: Report of FillP — Data Link

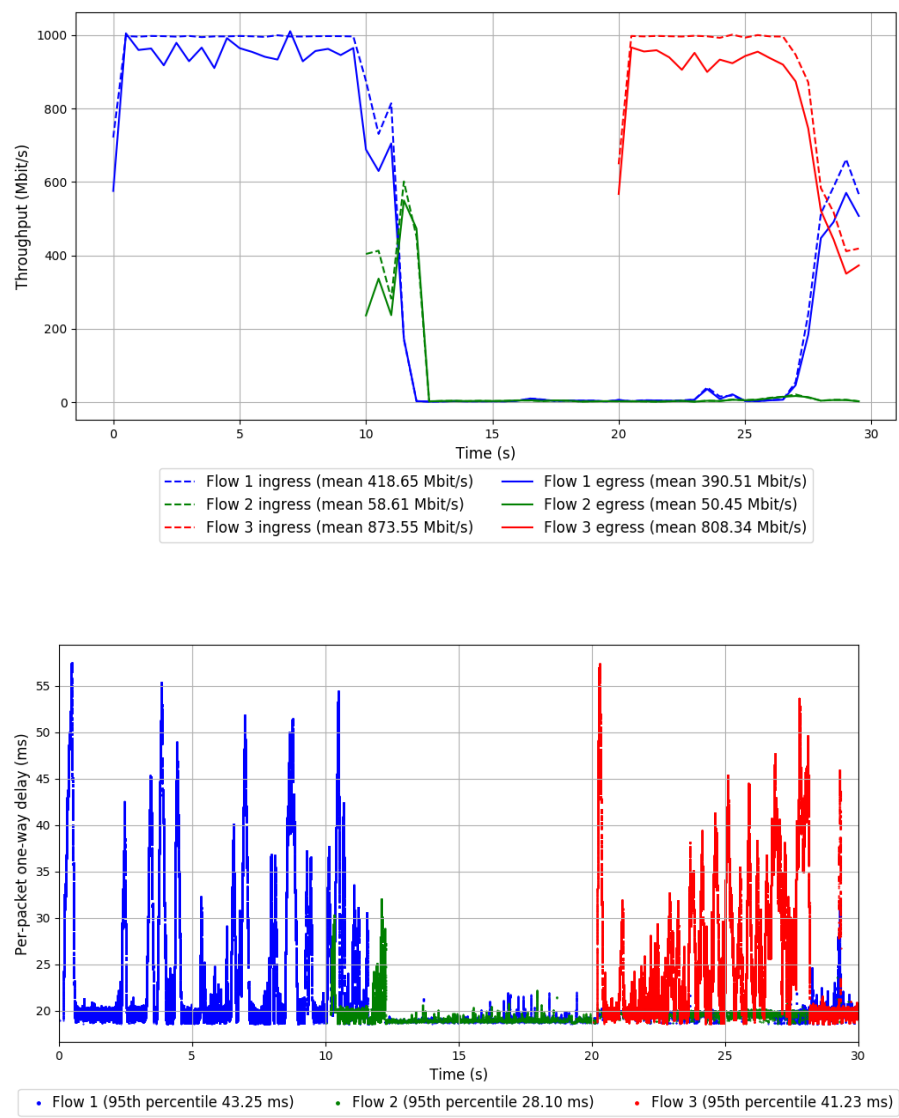


Run 9: Statistics of FillP

Start at: 2018-02-20 18:48:42
End at: 2018-02-20 18:49:12
Local clock offset: -1.204 ms
Remote clock offset: -5.036 ms

Below is generated by plot.py at 2018-02-20 23:43:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 692.34 Mbit/s
95th percentile per-packet one-way delay: 42.182 ms
Loss rate: 7.38%
-- Flow 1:
Average throughput: 390.51 Mbit/s
95th percentile per-packet one-way delay: 43.254 ms
Loss rate: 6.72%
-- Flow 2:
Average throughput: 50.45 Mbit/s
95th percentile per-packet one-way delay: 28.099 ms
Loss rate: 13.92%
-- Flow 3:
Average throughput: 808.34 Mbit/s
95th percentile per-packet one-way delay: 41.227 ms
Loss rate: 7.45%

Run 9: Report of FillP — Data Link

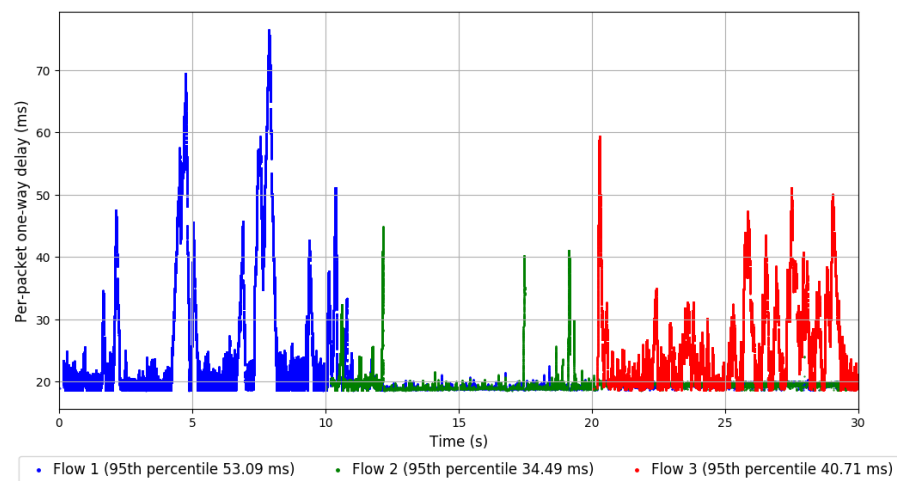
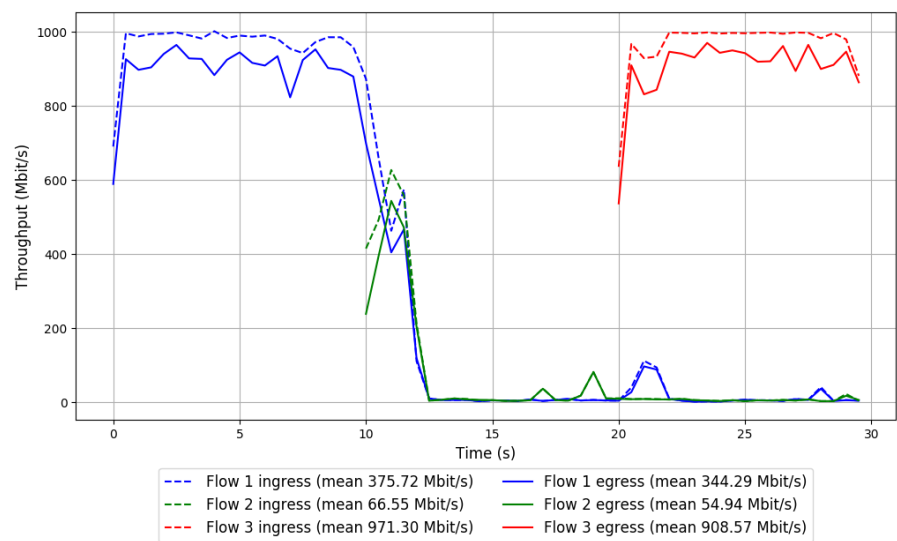


Run 10: Statistics of FillP

Start at: 2018-02-20 19:17:34
End at: 2018-02-20 19:18:04
Local clock offset: 0.981 ms
Remote clock offset: -4.973 ms

Below is generated by plot.py at 2018-02-20 23:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 681.89 Mbit/s
95th percentile per-packet one-way delay: 45.461 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 344.29 Mbit/s
95th percentile per-packet one-way delay: 53.091 ms
Loss rate: 8.36%
-- Flow 2:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 34.487 ms
Loss rate: 17.44%
-- Flow 3:
Average throughput: 908.57 Mbit/s
95th percentile per-packet one-way delay: 40.711 ms
Loss rate: 6.45%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo-1-32

Start at: 2018-02-20 14:42:15

End at: 2018-02-20 14:42:45

Local clock offset: 3.861 ms

Remote clock offset: -6.48 ms

Below is generated by plot.py at 2018-02-20 23:44:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 371.99 Mbit/s

95th percentile per-packet one-way delay: 19.639 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 193.26 Mbit/s

95th percentile per-packet one-way delay: 19.276 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 185.72 Mbit/s

95th percentile per-packet one-way delay: 19.671 ms

Loss rate: 0.01%

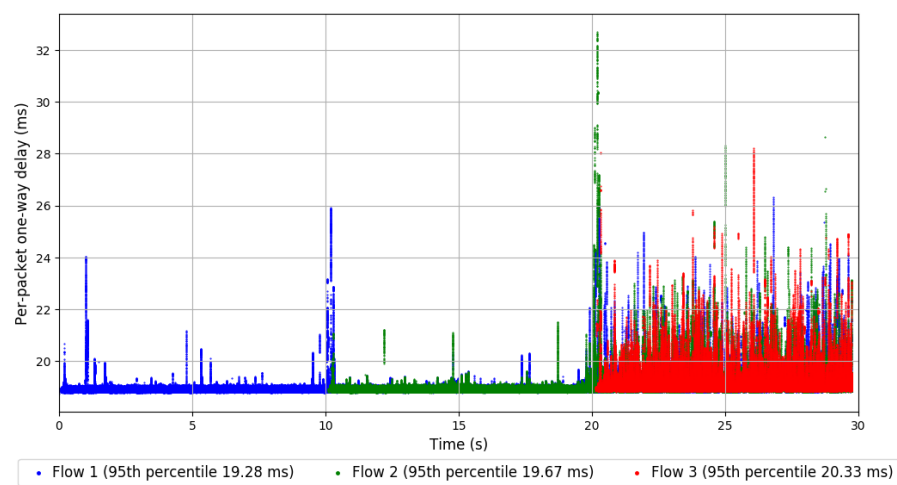
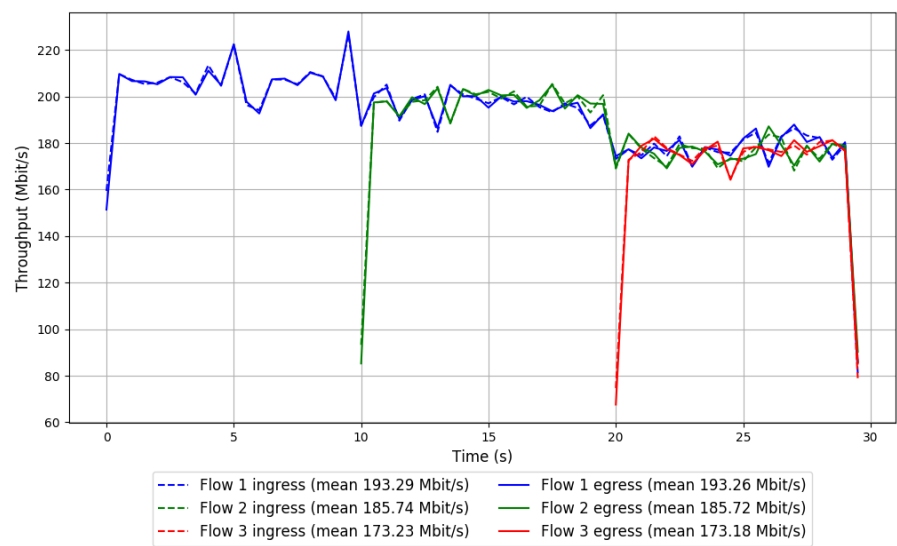
-- Flow 3:

Average throughput: 173.18 Mbit/s

95th percentile per-packet one-way delay: 20.327 ms

Loss rate: 0.03%

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

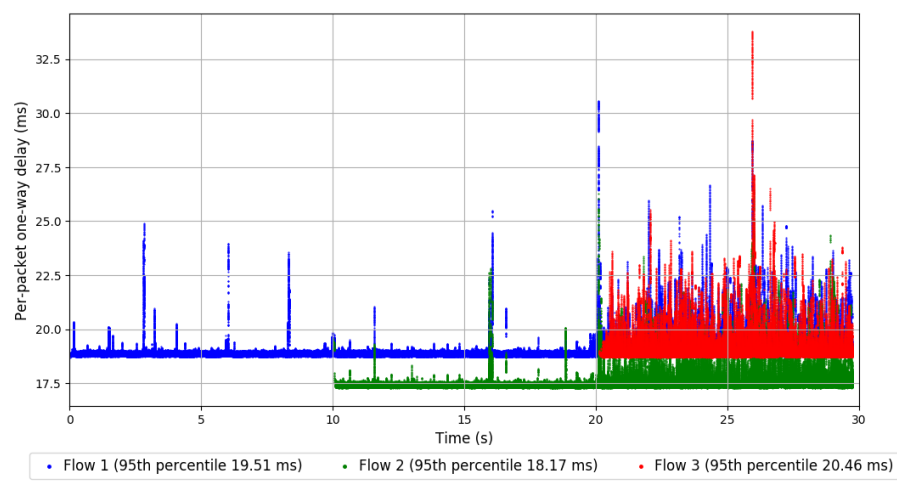
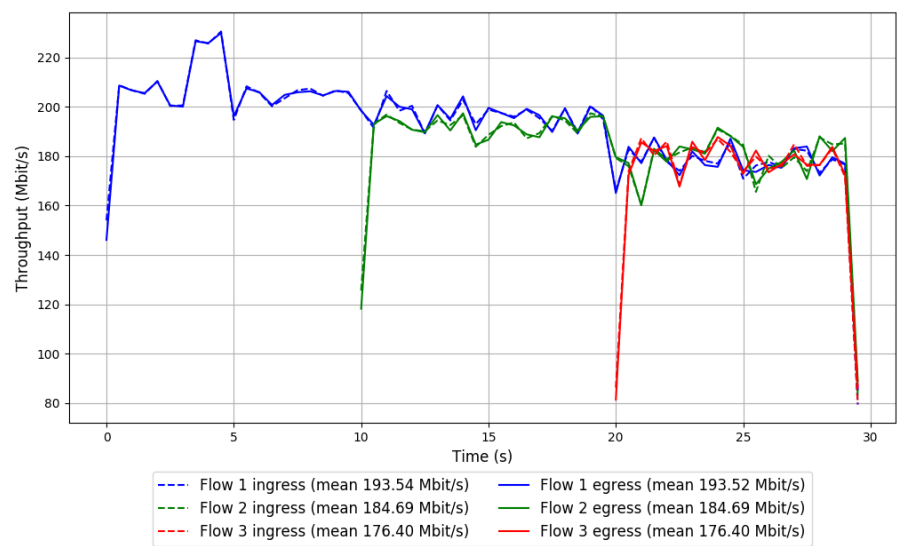


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-20 15:11:39
End at: 2018-02-20 15:12:09
Local clock offset: 5.062 ms
Remote clock offset: -6.731 ms

Below is generated by plot.py at 2018-02-20 23:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 373.05 Mbit/s
95th percentile per-packet one-way delay: 19.502 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 193.52 Mbit/s
95th percentile per-packet one-way delay: 19.510 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 184.69 Mbit/s
95th percentile per-packet one-way delay: 18.168 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 176.40 Mbit/s
95th percentile per-packet one-way delay: 20.462 ms
Loss rate: 0.01%

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

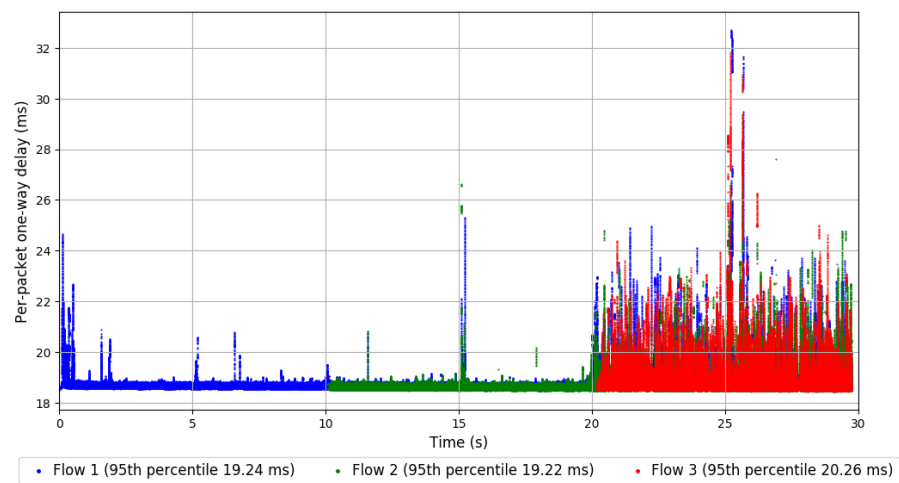
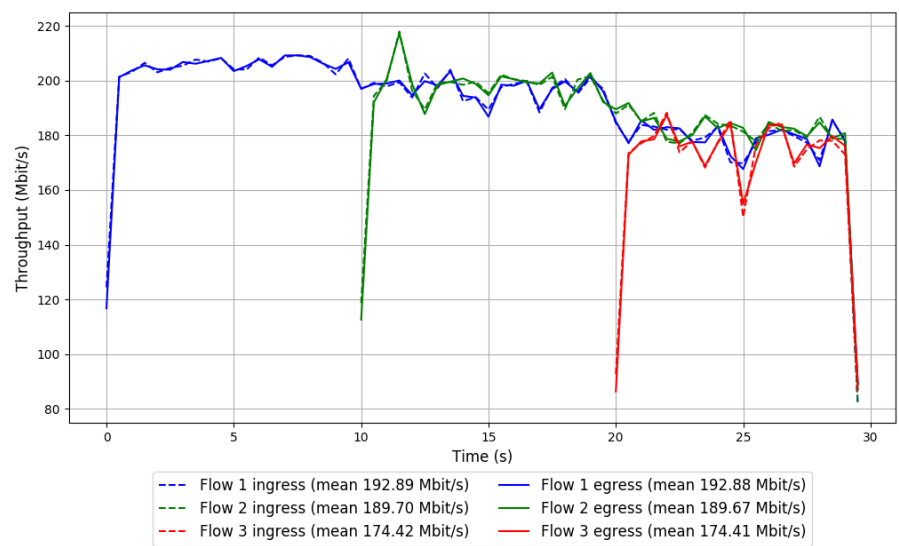


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-20 15:40:59
End at: 2018-02-20 15:41:29
Local clock offset: 1.508 ms
Remote clock offset: -6.373 ms

Below is generated by plot.py at 2018-02-20 23:44:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.45 Mbit/s
95th percentile per-packet one-way delay: 19.414 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 192.88 Mbit/s
95th percentile per-packet one-way delay: 19.241 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 189.67 Mbit/s
95th percentile per-packet one-way delay: 19.217 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 174.41 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 0.01%

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

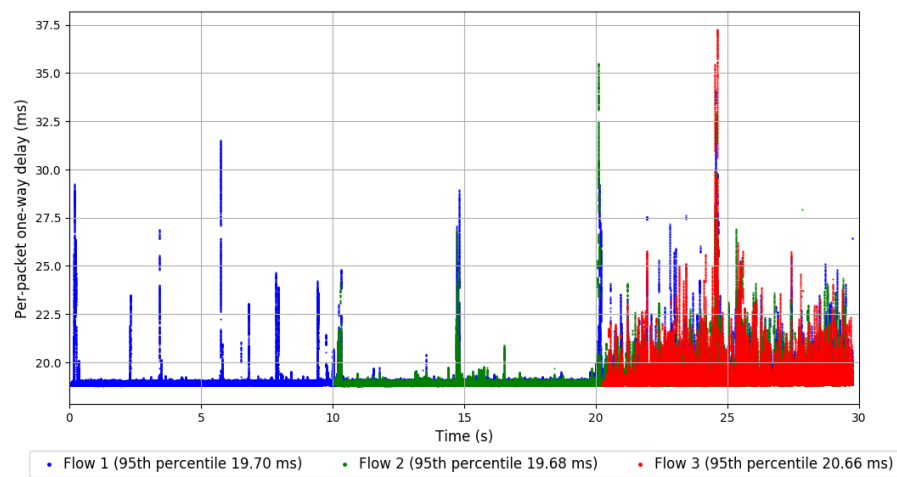
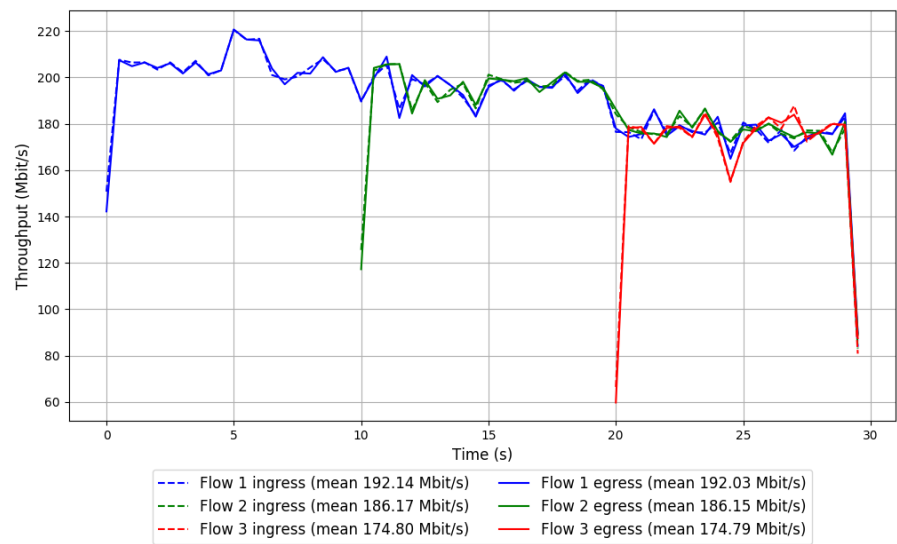


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-20 16:09:59
End at: 2018-02-20 16:10:29
Local clock offset: 1.003 ms
Remote clock offset: -3.911 ms

```
# Below is generated by plot.py at 2018-02-20 23:44:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 371.23 Mbit/s
95th percentile per-packet one-way delay: 19.877 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 192.03 Mbit/s
95th percentile per-packet one-way delay: 19.697 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 186.15 Mbit/s
95th percentile per-packet one-way delay: 19.675 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 174.79 Mbit/s
95th percentile per-packet one-way delay: 20.657 ms
Loss rate: 0.01%
```

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

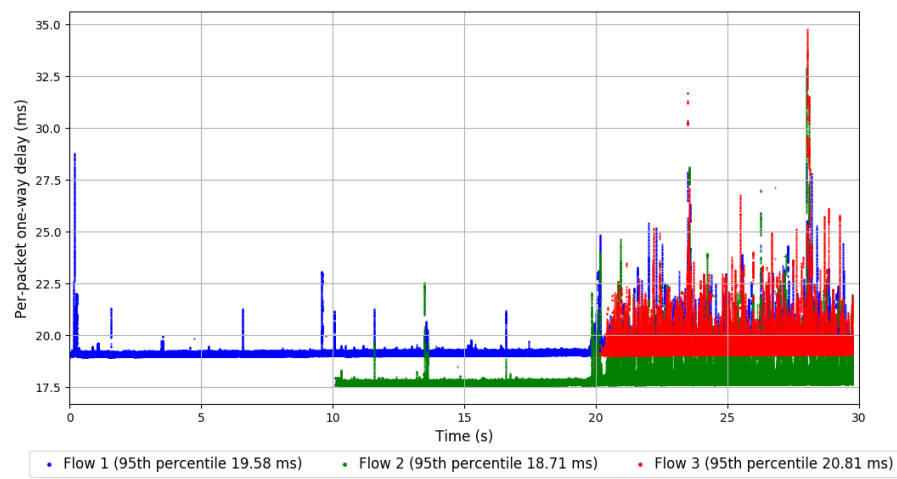
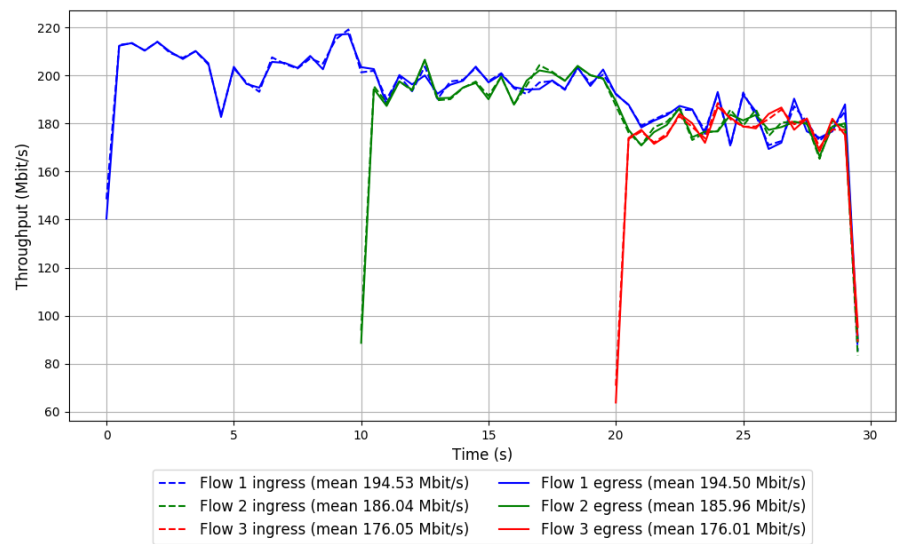


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-20 16:39:00
End at: 2018-02-20 16:39:30
Local clock offset: 3.071 ms
Remote clock offset: -3.052 ms

Below is generated by plot.py at 2018-02-20 23:44:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.13 Mbit/s
95th percentile per-packet one-way delay: 19.747 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 194.50 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 185.96 Mbit/s
95th percentile per-packet one-way delay: 18.707 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 176.01 Mbit/s
95th percentile per-packet one-way delay: 20.809 ms
Loss rate: 0.02%

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

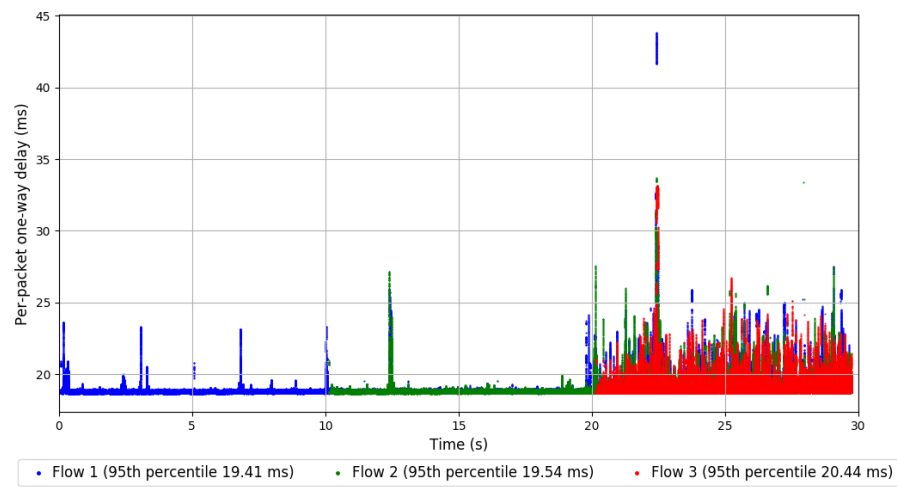
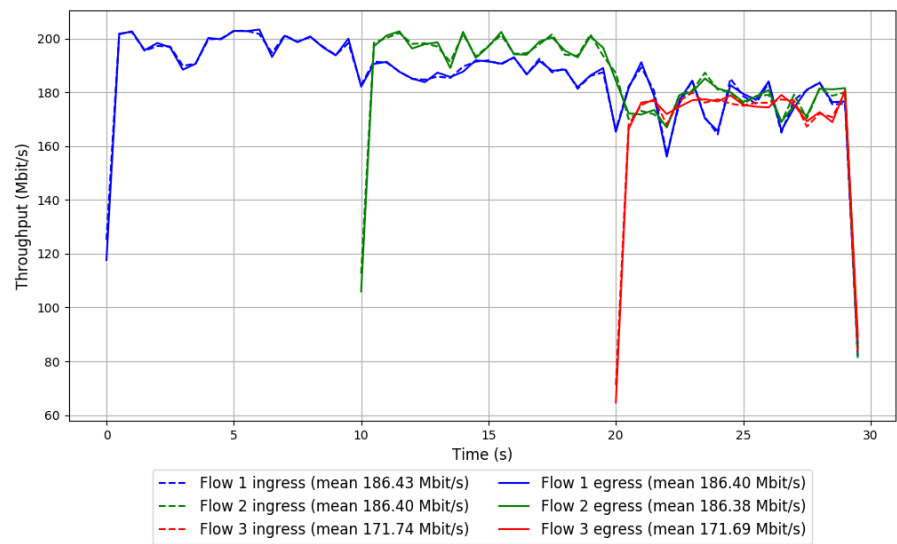


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-20 17:08:20
End at: 2018-02-20 17:08:50
Local clock offset: 6.536 ms
Remote clock offset: -5.974 ms

Below is generated by plot.py at 2018-02-20 23:45:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.88 Mbit/s
95th percentile per-packet one-way delay: 19.658 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 186.40 Mbit/s
95th percentile per-packet one-way delay: 19.407 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 186.38 Mbit/s
95th percentile per-packet one-way delay: 19.543 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 171.69 Mbit/s
95th percentile per-packet one-way delay: 20.436 ms
Loss rate: 0.03%

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

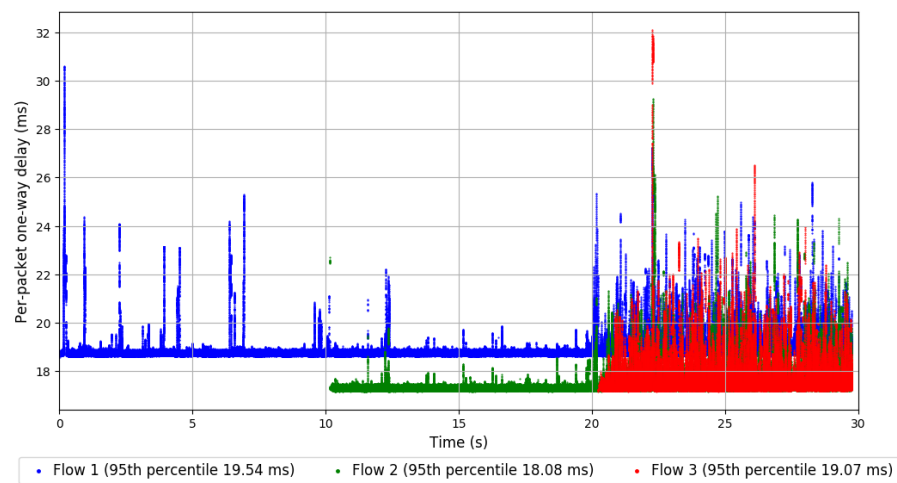
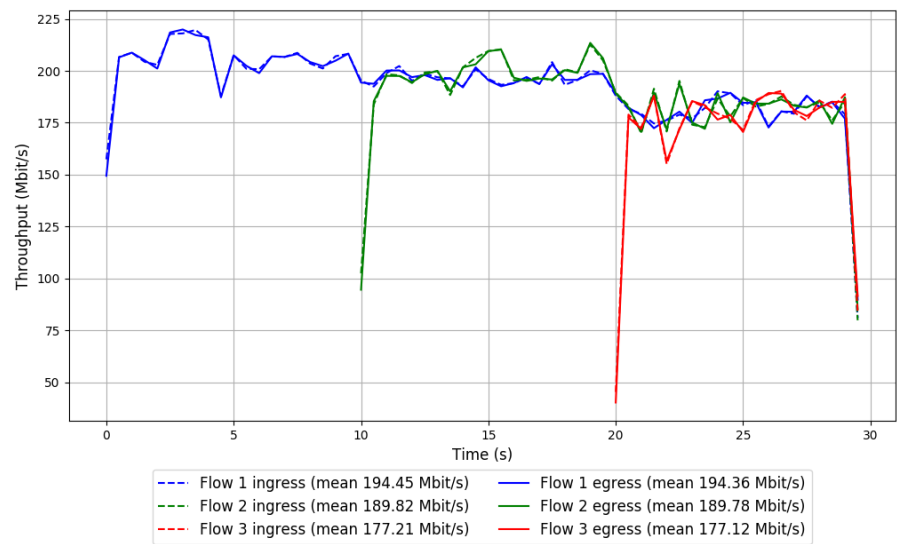


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-20 17:37:30
End at: 2018-02-20 17:38:00
Local clock offset: 7.887 ms
Remote clock offset: -6.758 ms

Below is generated by plot.py at 2018-02-20 23:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.05 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 194.36 Mbit/s
95th percentile per-packet one-way delay: 19.542 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 189.78 Mbit/s
95th percentile per-packet one-way delay: 18.081 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 177.12 Mbit/s
95th percentile per-packet one-way delay: 19.065 ms
Loss rate: 0.05%

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

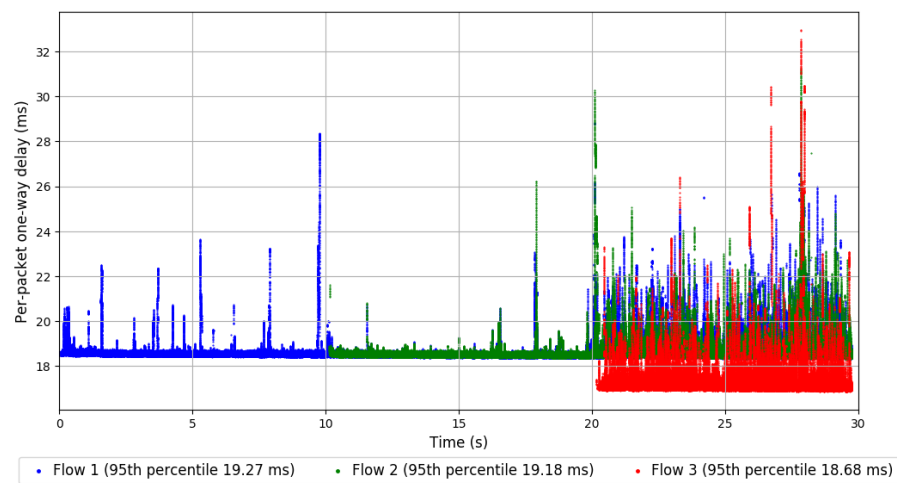
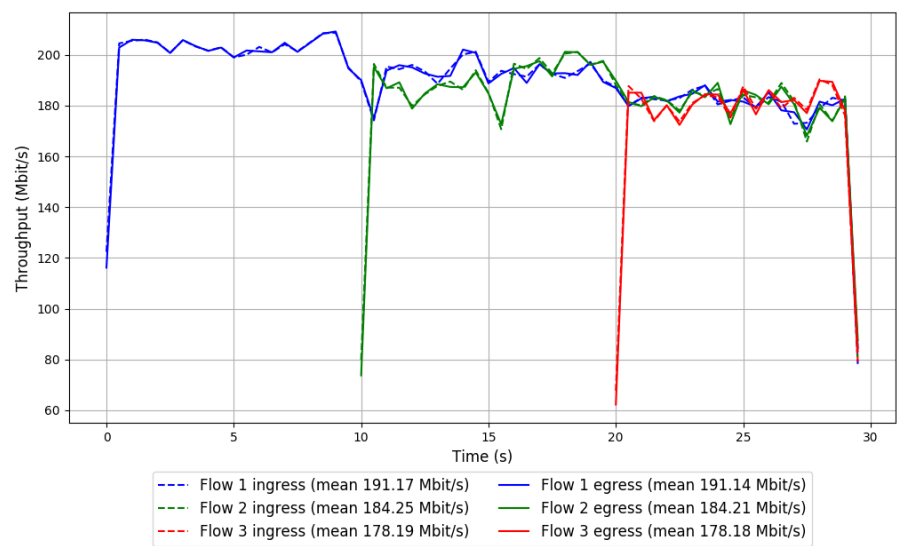


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-20 18:06:34
End at: 2018-02-20 18:07:04
Local clock offset: -1.715 ms
Remote clock offset: -6.399 ms

Below is generated by plot.py at 2018-02-20 23:46:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.19 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 191.14 Mbit/s
95th percentile per-packet one-way delay: 19.266 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 184.21 Mbit/s
95th percentile per-packet one-way delay: 19.180 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 178.18 Mbit/s
95th percentile per-packet one-way delay: 18.685 ms
Loss rate: 0.01%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-02-20 18:35:48

End at: 2018-02-20 18:36:18

Local clock offset: -1.219 ms

Remote clock offset: -5.57 ms

Below is generated by plot.py at 2018-02-20 23:46:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 370.22 Mbit/s

95th percentile per-packet one-way delay: 19.532 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 192.78 Mbit/s

95th percentile per-packet one-way delay: 19.313 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 183.54 Mbit/s

95th percentile per-packet one-way delay: 19.478 ms

Loss rate: 0.01%

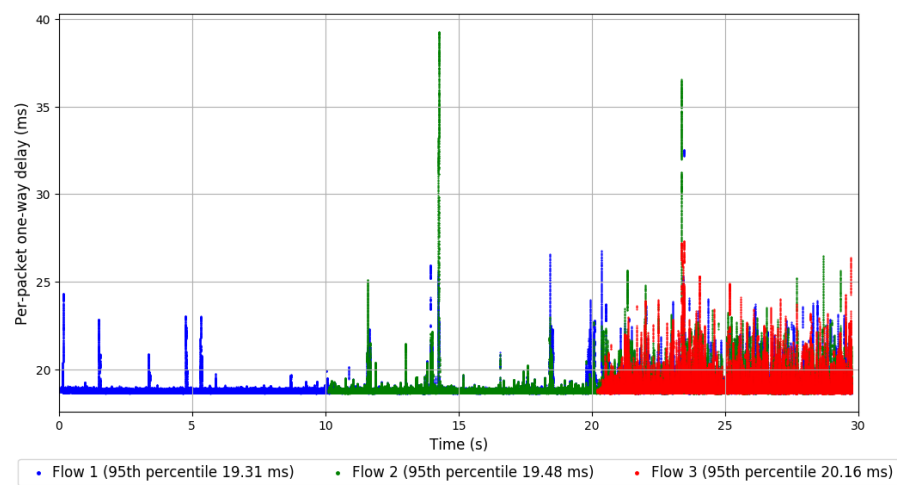
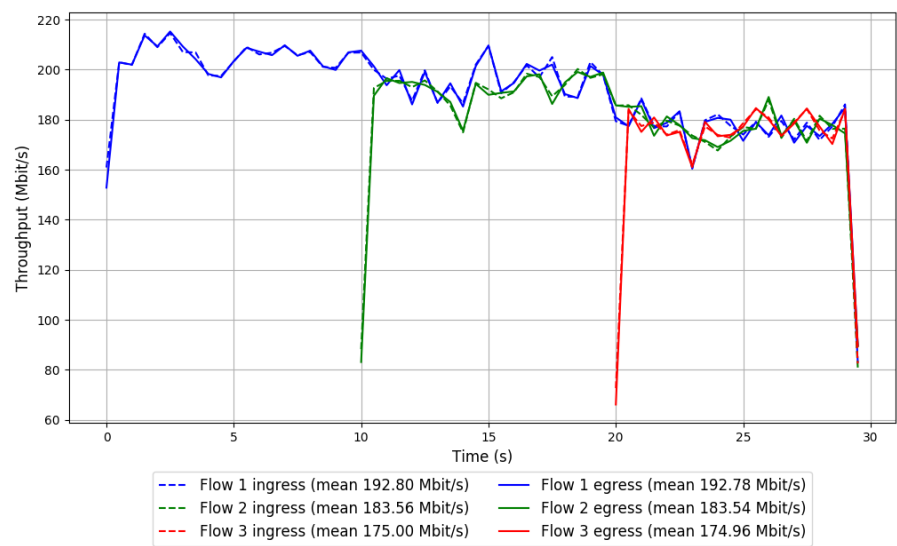
-- Flow 3:

Average throughput: 174.96 Mbit/s

95th percentile per-packet one-way delay: 20.158 ms

Loss rate: 0.03%

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

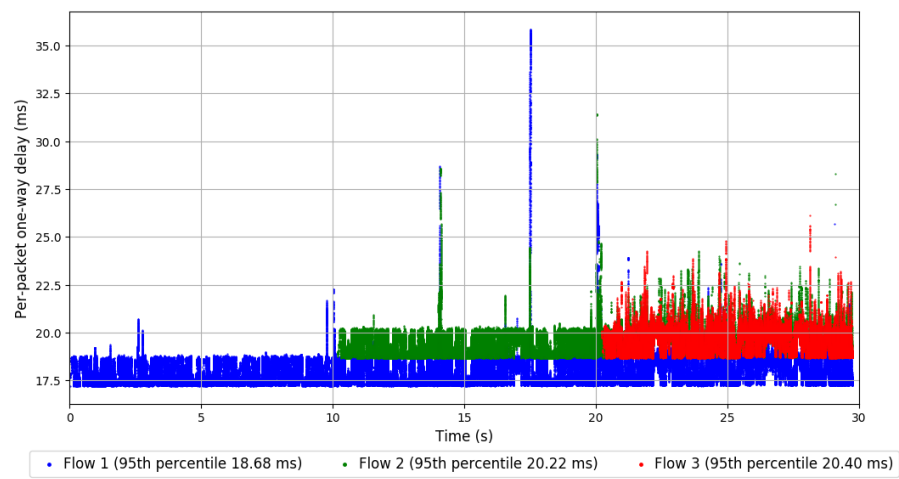
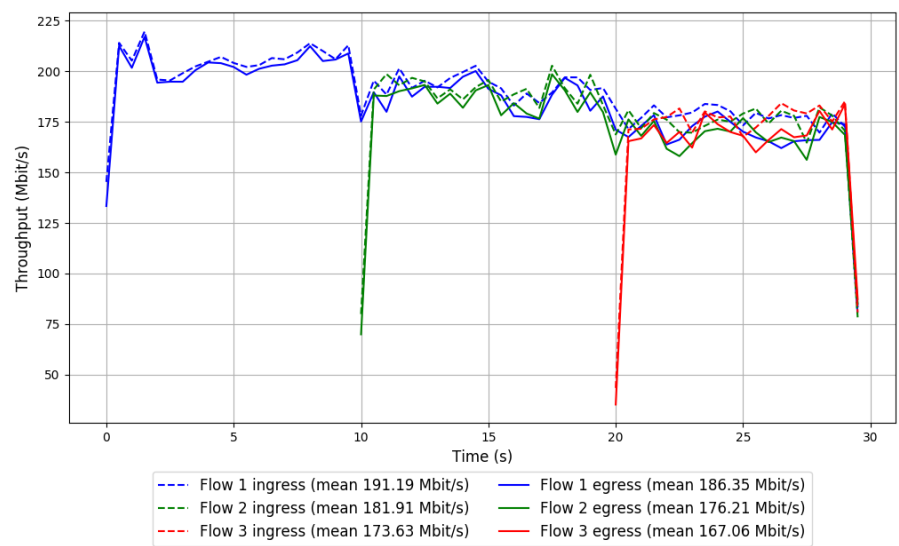


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-20 19:05:11
End at: 2018-02-20 19:05:41
Local clock offset: 0.486 ms
Remote clock offset: -4.765 ms

Below is generated by plot.py at 2018-02-20 23:47:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.85 Mbit/s
95th percentile per-packet one-way delay: 20.142 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 186.35 Mbit/s
95th percentile per-packet one-way delay: 18.685 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 176.21 Mbit/s
95th percentile per-packet one-way delay: 20.221 ms
Loss rate: 3.13%
-- Flow 3:
Average throughput: 167.06 Mbit/s
95th percentile per-packet one-way delay: 20.403 ms
Loss rate: 3.83%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-02-20 14:58:44

End at: 2018-02-20 14:59:14

Local clock offset: 4.562 ms

Remote clock offset: -6.69 ms

Below is generated by plot.py at 2018-02-20 23:52:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 606.76 Mbit/s

95th percentile per-packet one-way delay: 19.980 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 341.47 Mbit/s

95th percentile per-packet one-way delay: 23.272 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 357.20 Mbit/s

95th percentile per-packet one-way delay: 18.349 ms

Loss rate: 0.09%

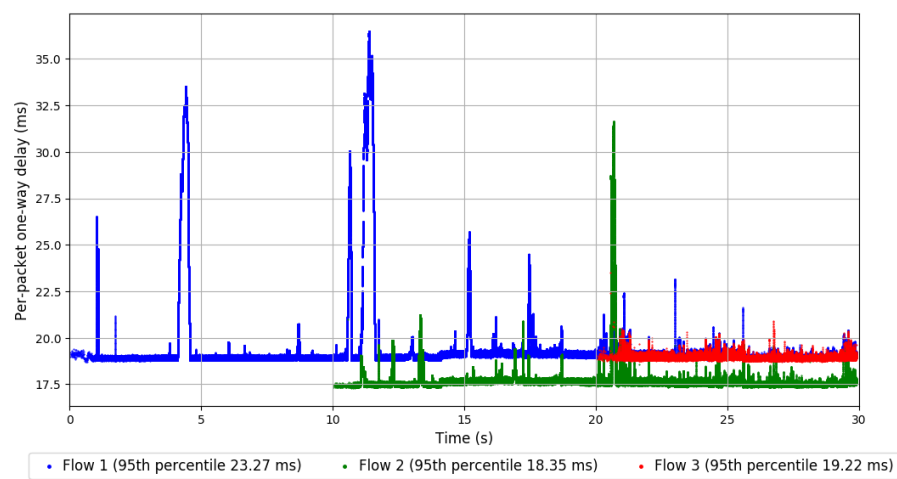
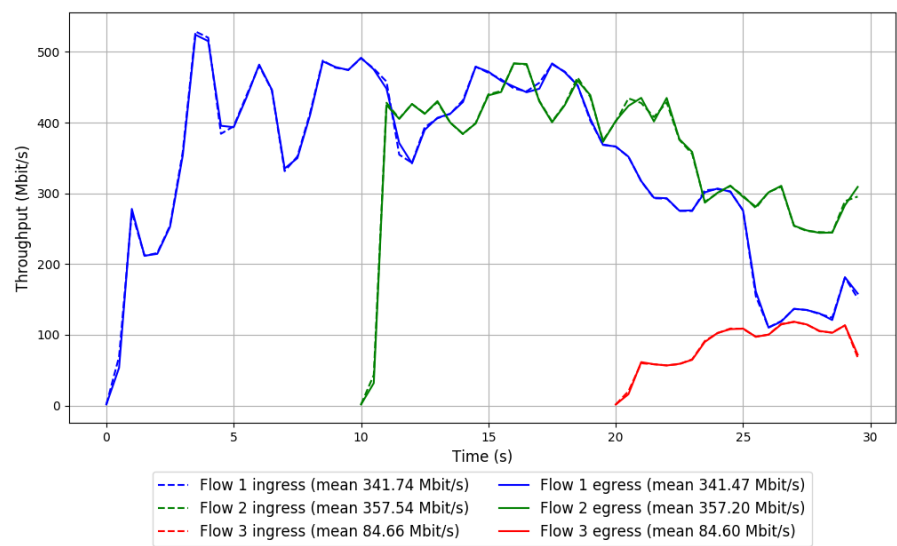
-- Flow 3:

Average throughput: 84.60 Mbit/s

95th percentile per-packet one-way delay: 19.221 ms

Loss rate: 0.06%

Run 1: Report of Vivace-latency — Data Link

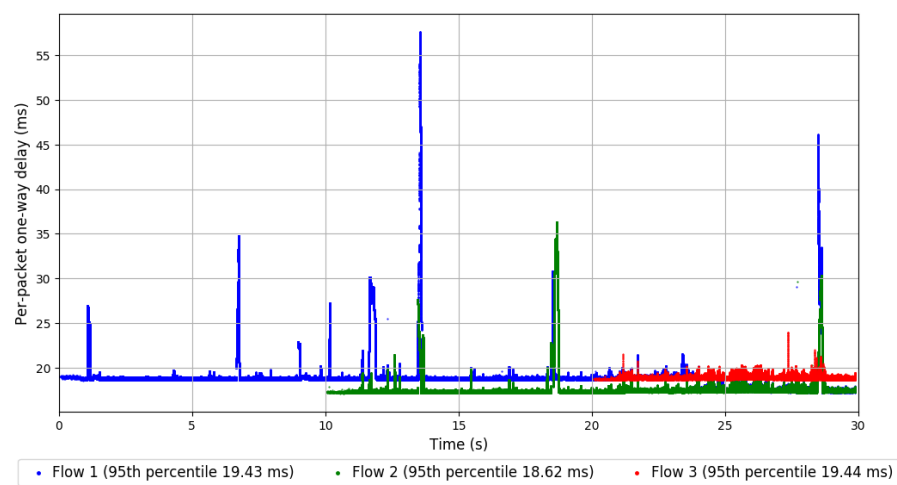
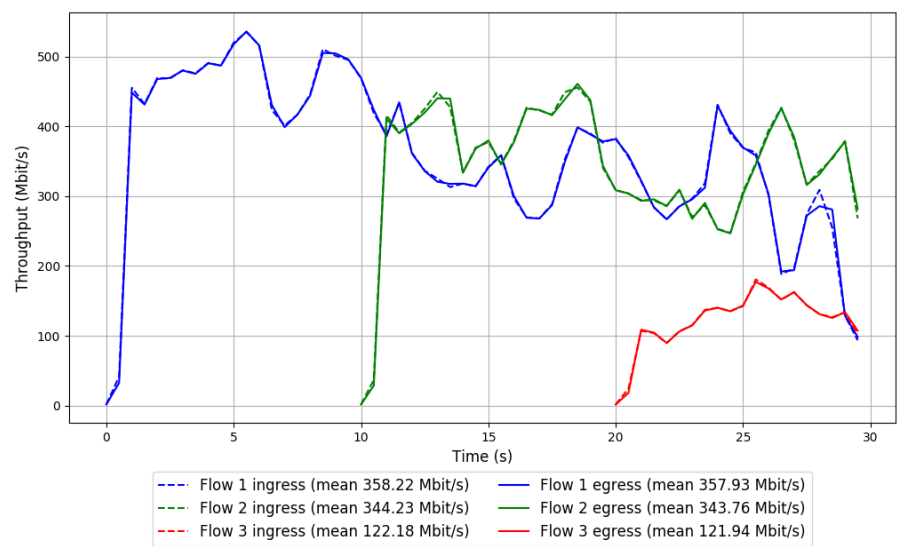


Run 2: Statistics of Vivace-latency

Start at: 2018-02-20 15:27:56
End at: 2018-02-20 15:28:26
Local clock offset: 5.623 ms
Remote clock offset: -6.454 ms

Below is generated by plot.py at 2018-02-20 23:53:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 626.54 Mbit/s
95th percentile per-packet one-way delay: 19.338 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 357.93 Mbit/s
95th percentile per-packet one-way delay: 19.427 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 343.76 Mbit/s
95th percentile per-packet one-way delay: 18.625 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 121.94 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.20%

Run 2: Report of Vivace-latency — Data Link

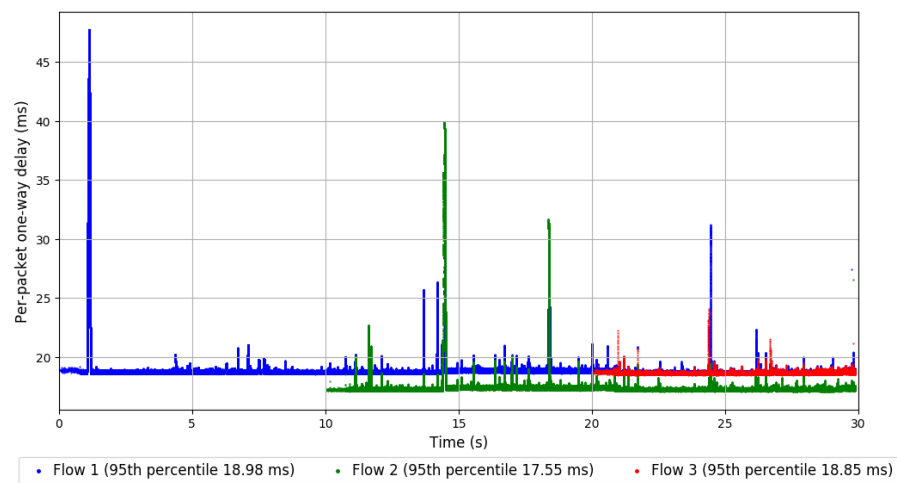
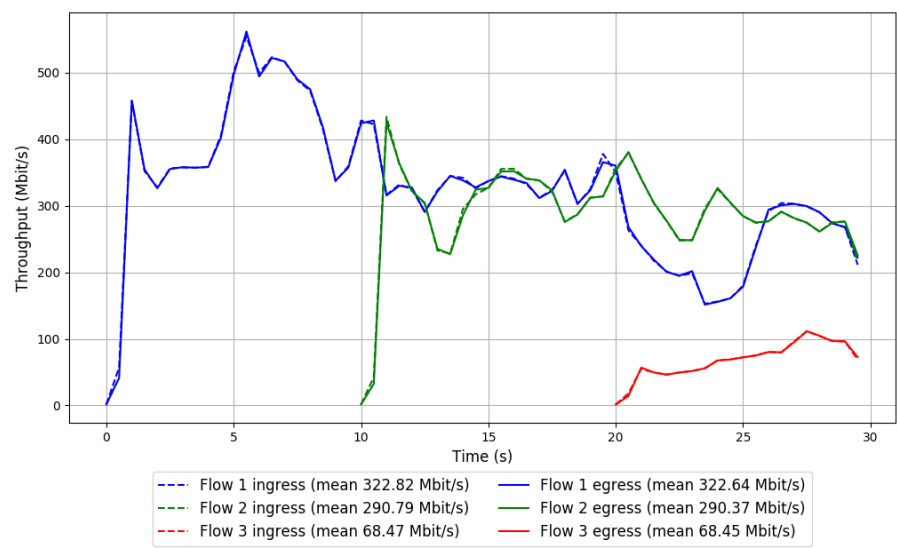


Run 3: Statistics of Vivace-latency

Start at: 2018-02-20 15:57:10
End at: 2018-02-20 15:57:40
Local clock offset: -0.299 ms
Remote clock offset: -4.589 ms

Below is generated by plot.py at 2018-02-20 23:53:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 538.22 Mbit/s
95th percentile per-packet one-way delay: 18.926 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 322.64 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 290.37 Mbit/s
95th percentile per-packet one-way delay: 17.548 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 68.45 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.03%

Run 3: Report of Vivace-latency — Data Link

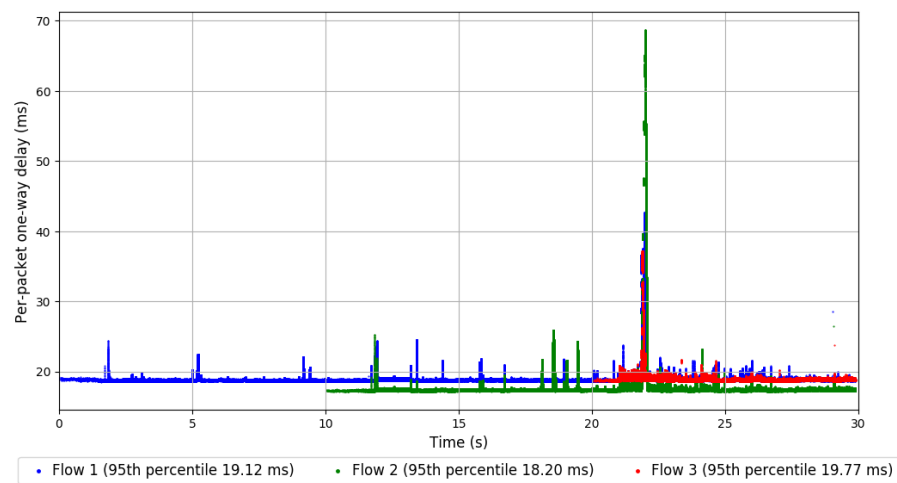
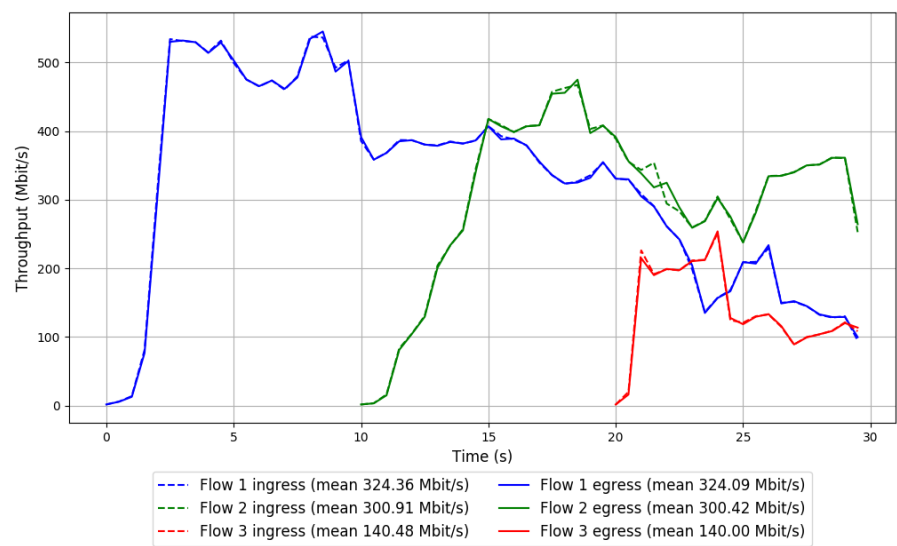


Run 4: Statistics of Vivace-latency

Start at: 2018-02-20 16:26:12
End at: 2018-02-20 16:26:42
Local clock offset: 2.343 ms
Remote clock offset: -3.474 ms

Below is generated by plot.py at 2018-02-20 23:53:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 569.94 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 324.09 Mbit/s
95th percentile per-packet one-way delay: 19.120 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 300.42 Mbit/s
95th percentile per-packet one-way delay: 18.202 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 140.00 Mbit/s
95th percentile per-packet one-way delay: 19.771 ms
Loss rate: 0.34%

Run 4: Report of Vivace-latency — Data Link

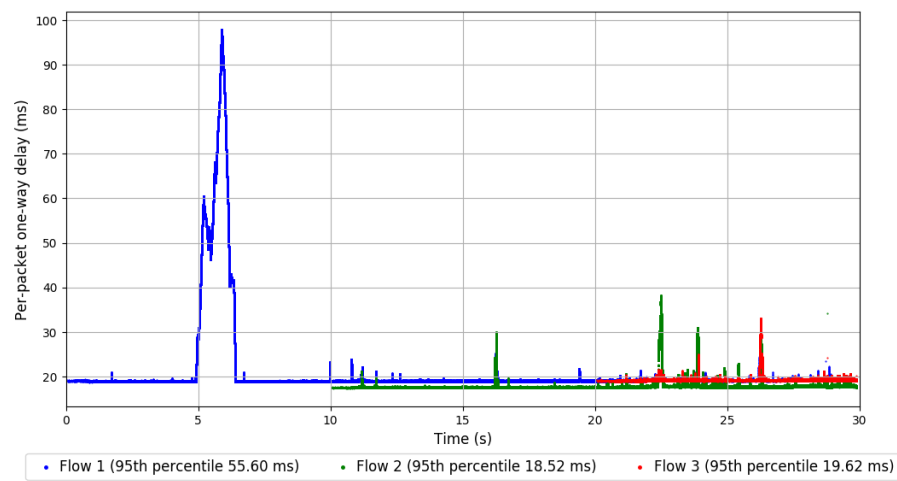
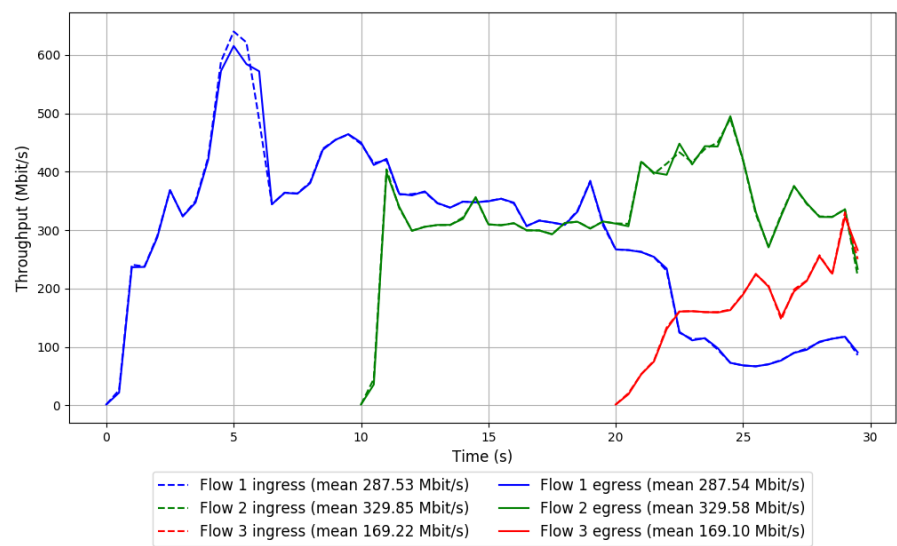


Run 5: Statistics of Vivace-latency

Start at: 2018-02-20 16:55:27
End at: 2018-02-20 16:55:57
Local clock offset: 5.75 ms
Remote clock offset: -3.524 ms

Below is generated by plot.py at 2018-02-20 23:53:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 562.29 Mbit/s
95th percentile per-packet one-way delay: 32.167 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 287.54 Mbit/s
95th percentile per-packet one-way delay: 55.605 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 329.58 Mbit/s
95th percentile per-packet one-way delay: 18.518 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 169.10 Mbit/s
95th percentile per-packet one-way delay: 19.623 ms
Loss rate: 0.08%

Run 5: Report of Vivace-latency — Data Link

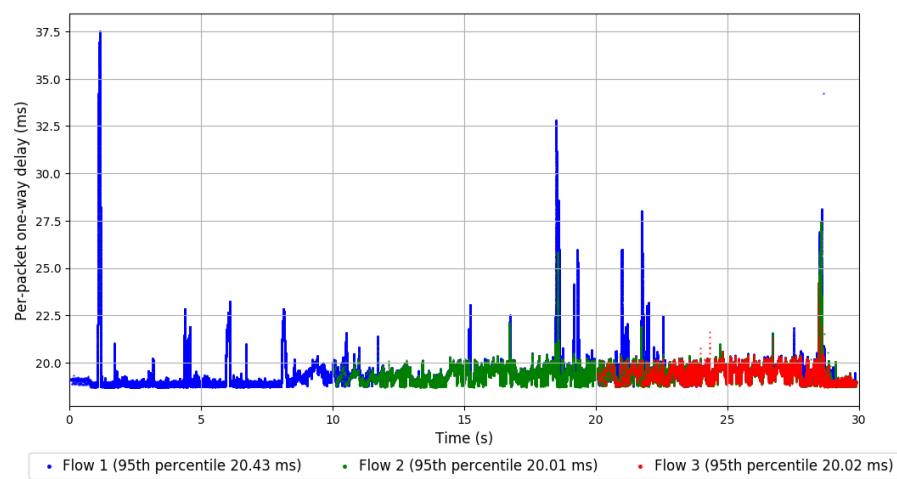
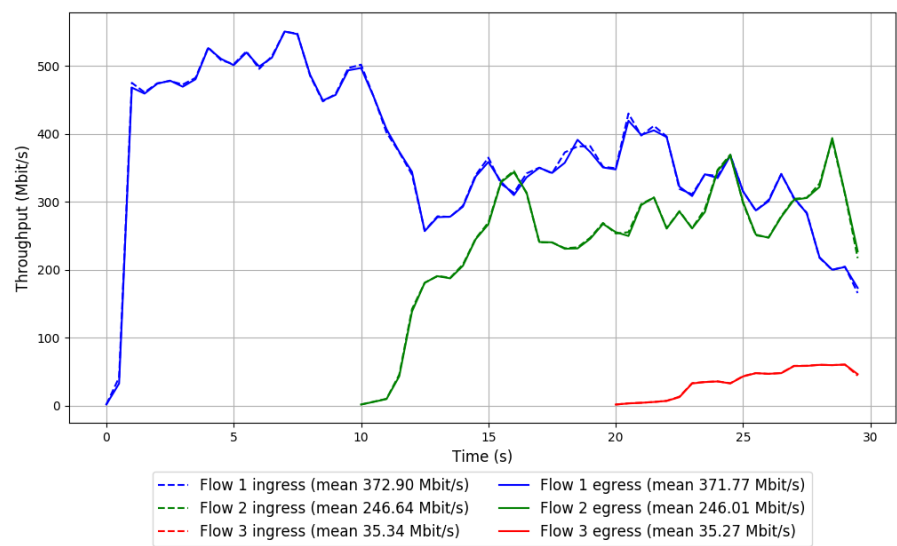


Run 6: Statistics of Vivace-latency

Start at: 2018-02-20 17:24:44
End at: 2018-02-20 17:25:14
Local clock offset: 7.317 ms
Remote clock offset: -6.845 ms

Below is generated by plot.py at 2018-02-20 23:54:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 546.92 Mbit/s
95th percentile per-packet one-way delay: 20.130 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 371.77 Mbit/s
95th percentile per-packet one-way delay: 20.426 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 246.01 Mbit/s
95th percentile per-packet one-way delay: 20.011 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 35.27 Mbit/s
95th percentile per-packet one-way delay: 20.016 ms
Loss rate: 0.22%

Run 6: Report of Vivace-latency — Data Link

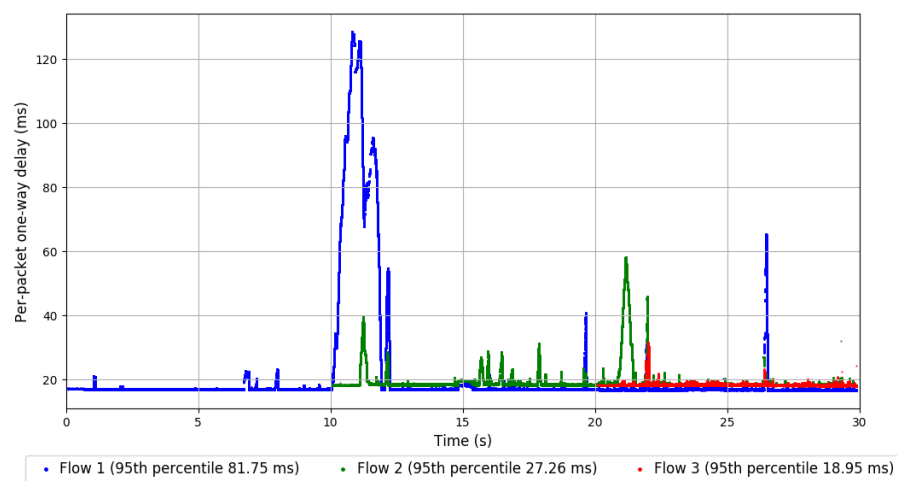
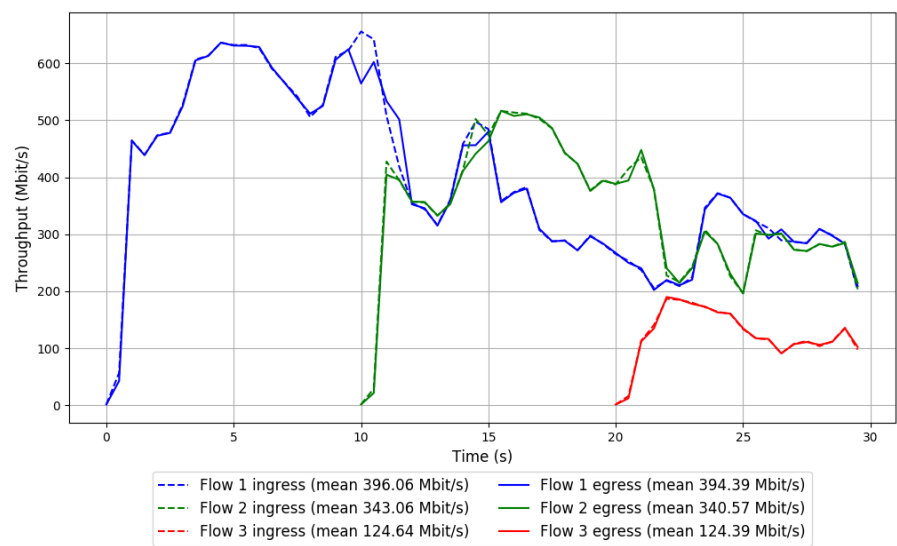


Run 7: Statistics of Vivace-latency

Start at: 2018-02-20 17:53:40
End at: 2018-02-20 17:54:10
Local clock offset: 2.247 ms
Remote clock offset: -6.878 ms

Below is generated by plot.py at 2018-02-20 23:56:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 661.52 Mbit/s
95th percentile per-packet one-way delay: 46.875 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 394.39 Mbit/s
95th percentile per-packet one-way delay: 81.752 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 340.57 Mbit/s
95th percentile per-packet one-way delay: 27.262 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 124.39 Mbit/s
95th percentile per-packet one-way delay: 18.951 ms
Loss rate: 0.14%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-02-20 18:22:58

End at: 2018-02-20 18:23:28

Local clock offset: -2.686 ms

Remote clock offset: -5.72 ms

Below is generated by plot.py at 2018-02-20 23:56:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 564.59 Mbit/s

95th percentile per-packet one-way delay: 19.139 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 370.15 Mbit/s

95th percentile per-packet one-way delay: 18.994 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 238.08 Mbit/s

95th percentile per-packet one-way delay: 19.175 ms

Loss rate: 0.10%

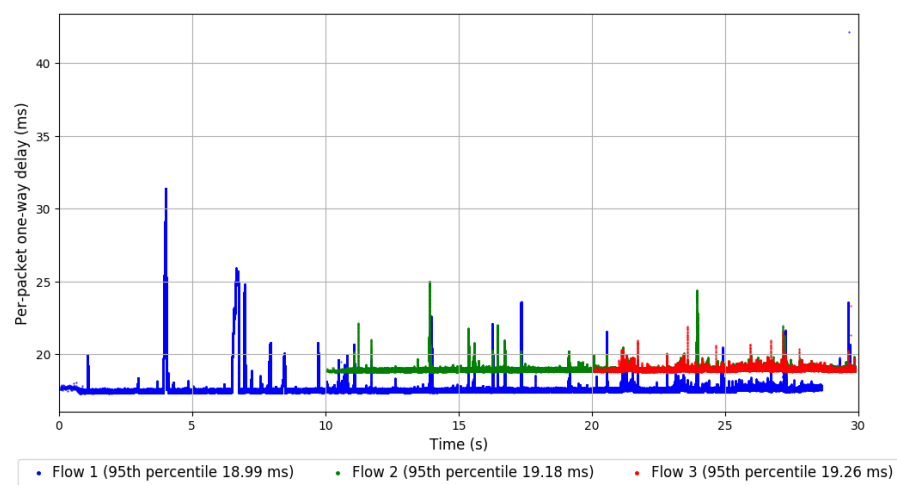
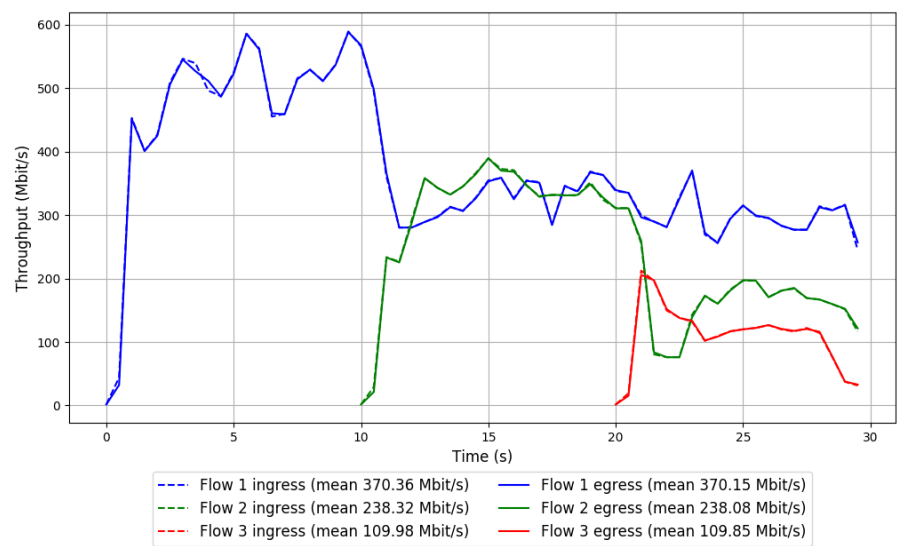
-- Flow 3:

Average throughput: 109.85 Mbit/s

95th percentile per-packet one-way delay: 19.263 ms

Loss rate: 0.12%

Run 8: Report of Vivace-latency — Data Link

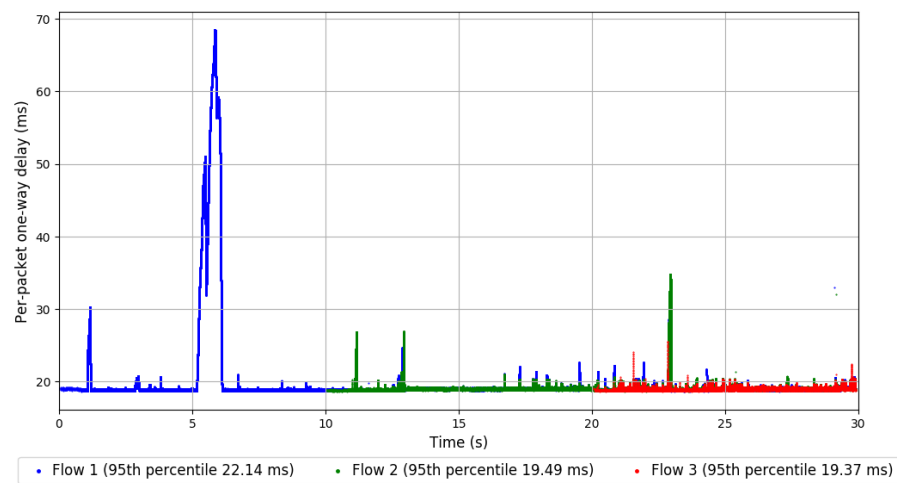
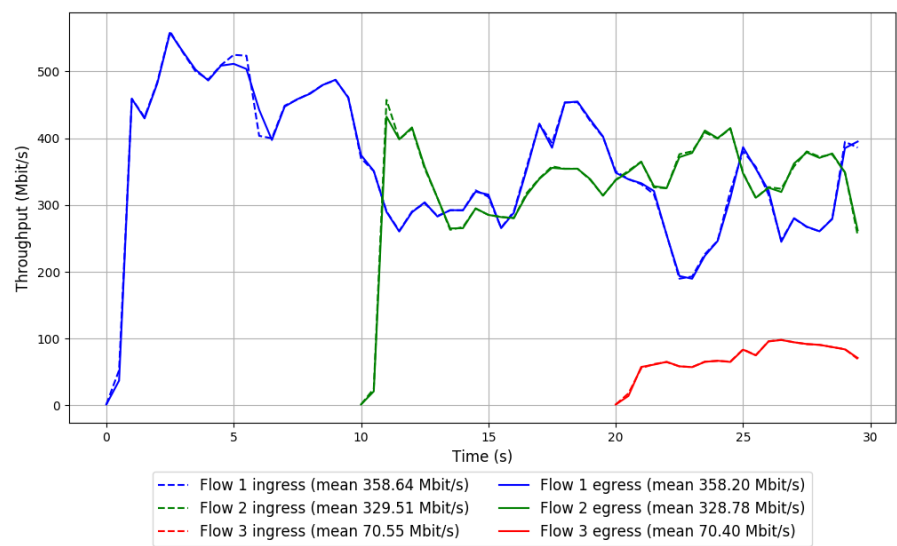


Run 9: Statistics of Vivace-latency

Start at: 2018-02-20 18:52:08
End at: 2018-02-20 18:52:38
Local clock offset: -1.362 ms
Remote clock offset: -4.979 ms

Below is generated by plot.py at 2018-02-21 00:00:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 599.97 Mbit/s
95th percentile per-packet one-way delay: 20.103 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 358.20 Mbit/s
95th percentile per-packet one-way delay: 22.140 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 328.78 Mbit/s
95th percentile per-packet one-way delay: 19.488 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: 19.369 ms
Loss rate: 0.21%

Run 9: Report of Vivace-latency — Data Link

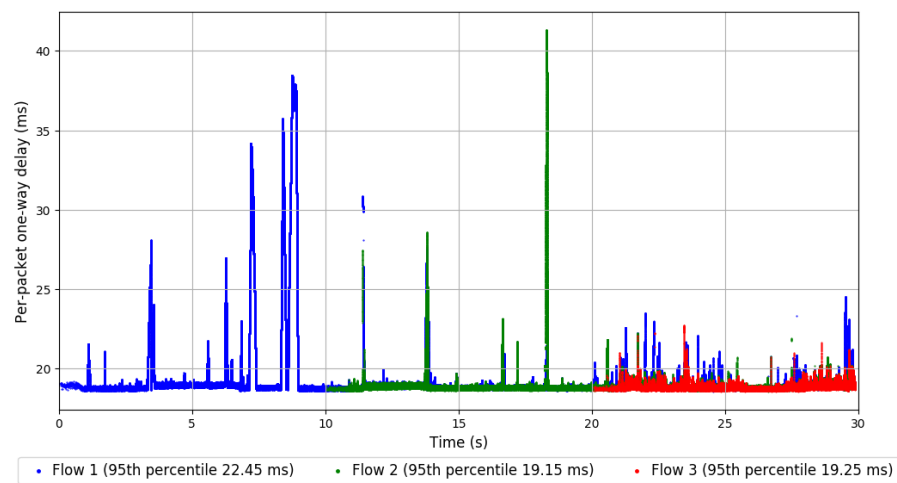
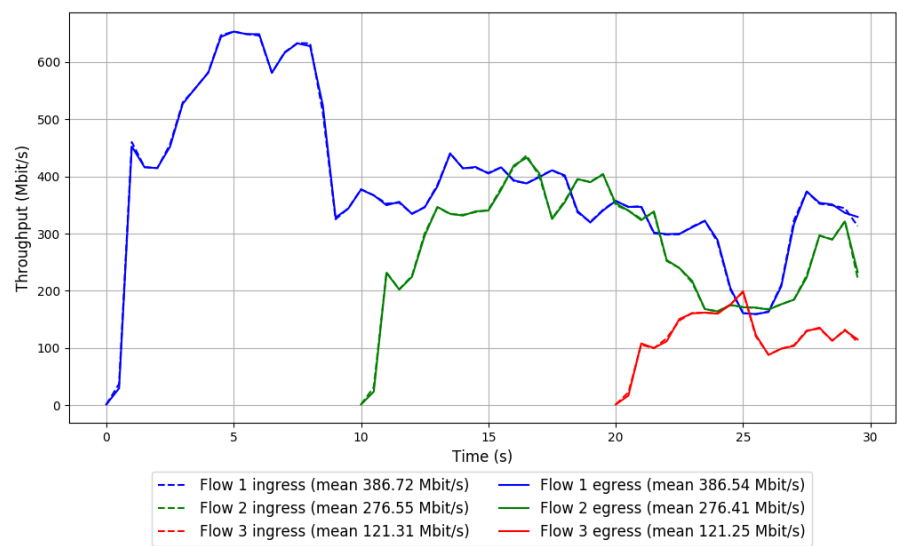


Run 10: Statistics of Vivace-latency

Start at: 2018-02-20 19:20:57
End at: 2018-02-20 19:21:27
Local clock offset: 1.058 ms
Remote clock offset: -5.018 ms

Below is generated by plot.py at 2018-02-21 00:00:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 610.23 Mbit/s
95th percentile per-packet one-way delay: 20.313 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 386.54 Mbit/s
95th percentile per-packet one-way delay: 22.446 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 276.41 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 121.25 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 0.05%

Run 10: Report of Vivace-latency — Data Link

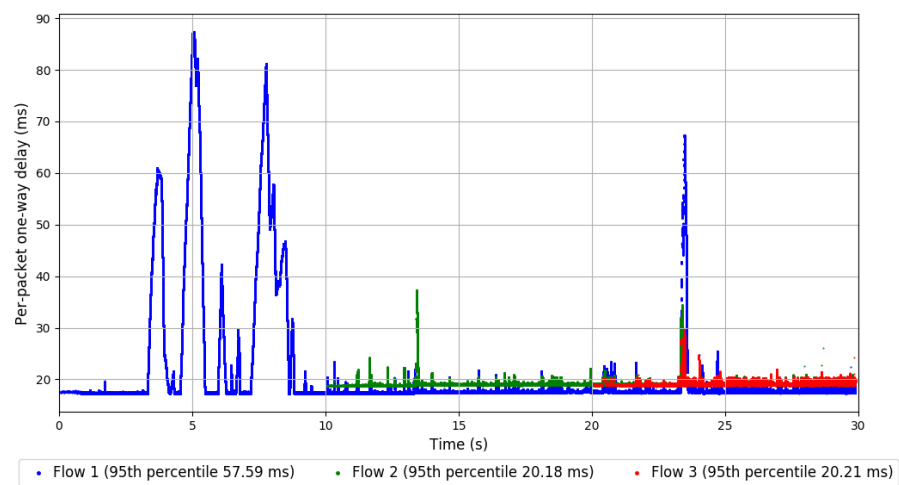
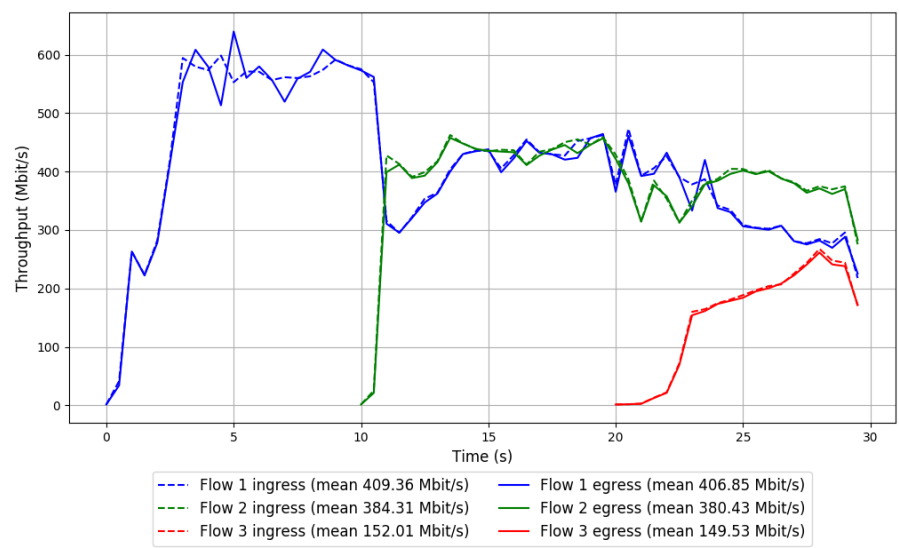


Run 1: Statistics of Vivace-loss

Start at: 2018-02-20 14:43:52
End at: 2018-02-20 14:44:22
Local clock offset: 3.955 ms
Remote clock offset: -6.596 ms

Below is generated by plot.py at 2018-02-21 00:03:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 708.98 Mbit/s
95th percentile per-packet one-way delay: 45.388 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 406.85 Mbit/s
95th percentile per-packet one-way delay: 57.588 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 380.43 Mbit/s
95th percentile per-packet one-way delay: 20.185 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 149.53 Mbit/s
95th percentile per-packet one-way delay: 20.213 ms
Loss rate: 1.63%

Run 1: Report of Vivace-loss — Data Link

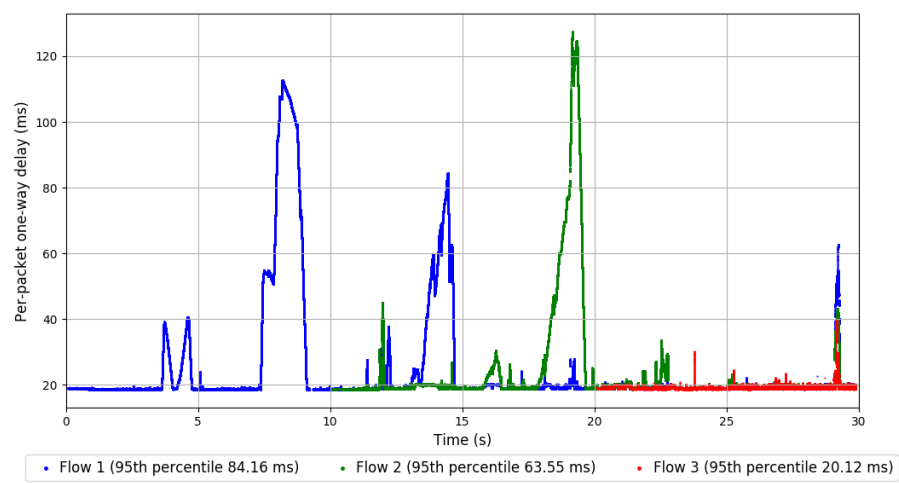
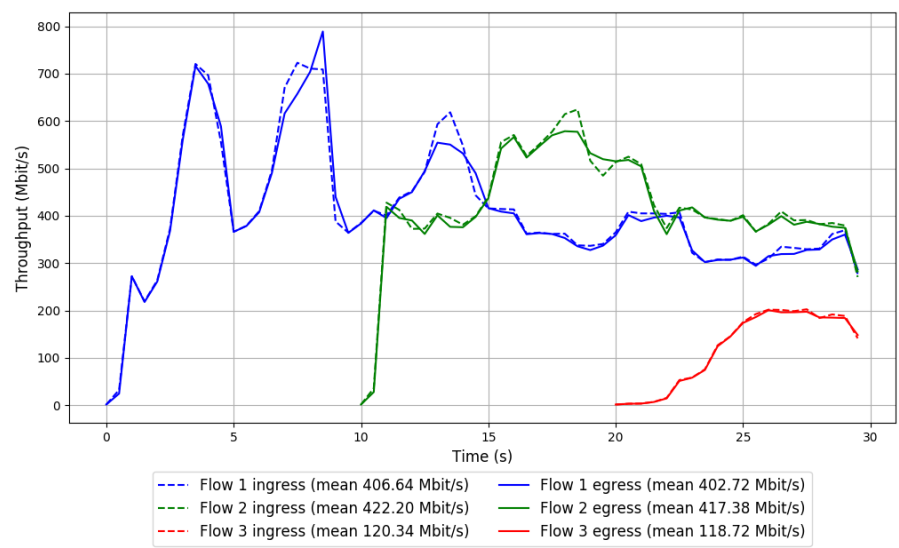


Run 2: Statistics of Vivace-loss

Start at: 2018-02-20 15:13:16
End at: 2018-02-20 15:13:46
Local clock offset: 5.124 ms
Remote clock offset: -6.757 ms

Below is generated by plot.py at 2018-02-21 00:04:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 719.30 Mbit/s
95th percentile per-packet one-way delay: 72.653 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 402.72 Mbit/s
95th percentile per-packet one-way delay: 84.162 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 417.38 Mbit/s
95th percentile per-packet one-way delay: 63.552 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 118.72 Mbit/s
95th percentile per-packet one-way delay: 20.117 ms
Loss rate: 1.35%

Run 2: Report of Vivace-loss — Data Link

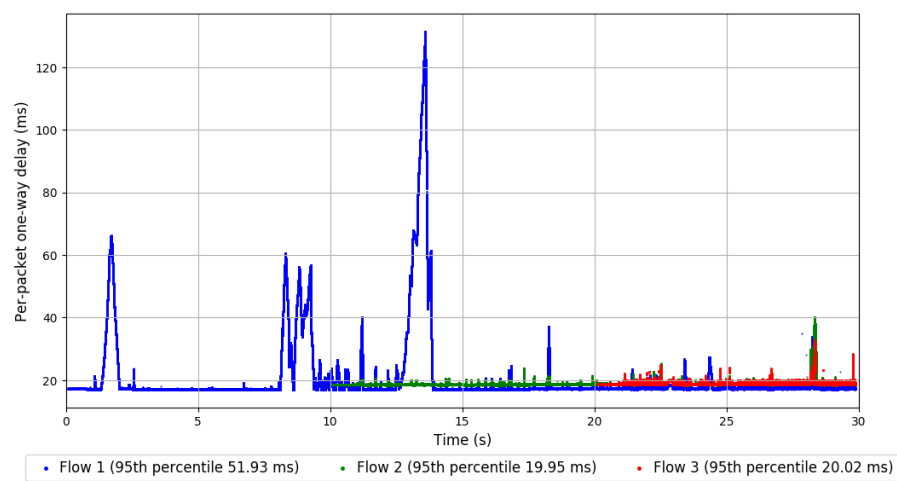
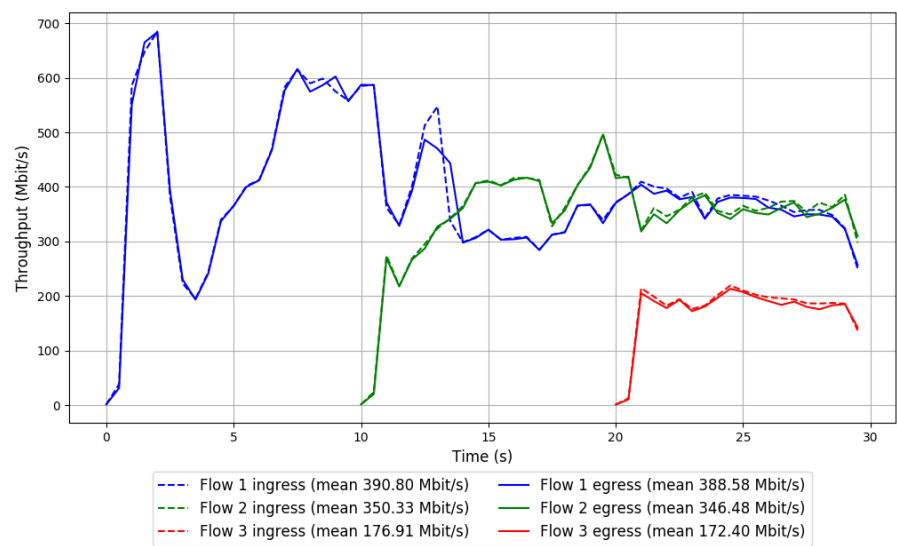


Run 3: Statistics of Vivace-loss

Start at: 2018-02-20 15:42:36
End at: 2018-02-20 15:43:06
Local clock offset: 1.241 ms
Remote clock offset: -6.402 ms

Below is generated by plot.py at 2018-02-21 00:04:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 675.44 Mbit/s
95th percentile per-packet one-way delay: 39.864 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 388.58 Mbit/s
95th percentile per-packet one-way delay: 51.928 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 346.48 Mbit/s
95th percentile per-packet one-way delay: 19.953 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 172.40 Mbit/s
95th percentile per-packet one-way delay: 20.015 ms
Loss rate: 2.56%

Run 3: Report of Vivace-loss — Data Link

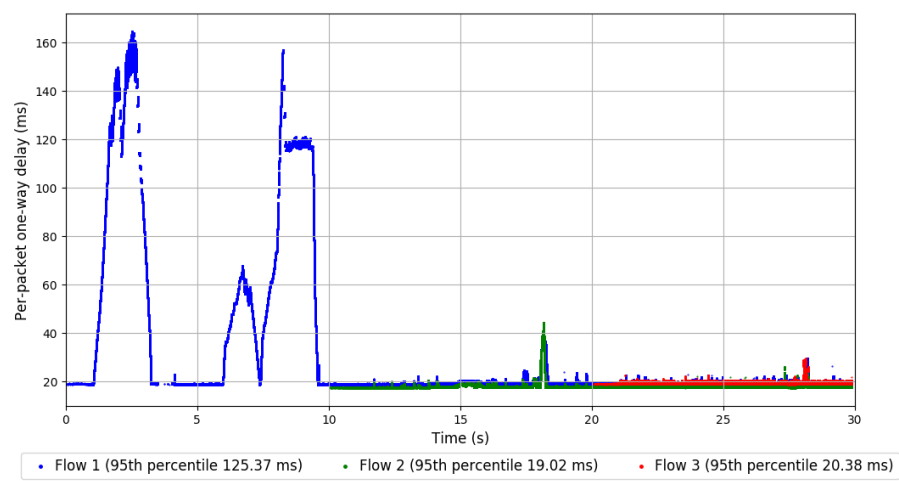
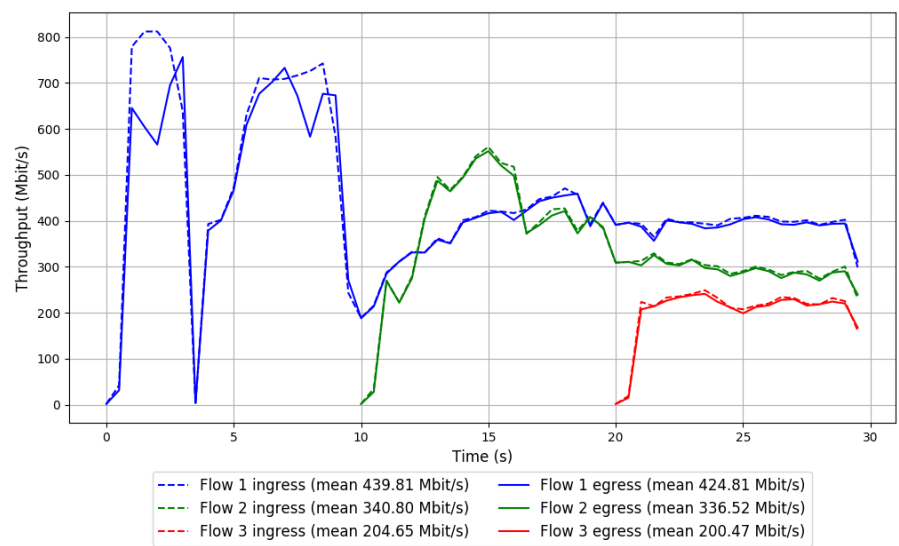


Run 4: Statistics of Vivace-loss

Start at: 2018-02-20 16:11:36
End at: 2018-02-20 16:12:06
Local clock offset: 1.18 ms
Remote clock offset: -3.844 ms

Below is generated by plot.py at 2018-02-21 00:04:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 714.50 Mbit/s
95th percentile per-packet one-way delay: 118.073 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 424.81 Mbit/s
95th percentile per-packet one-way delay: 125.371 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 336.52 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 1.25%
-- Flow 3:
Average throughput: 200.47 Mbit/s
95th percentile per-packet one-way delay: 20.379 ms
Loss rate: 2.02%

Run 4: Report of Vivace-loss — Data Link

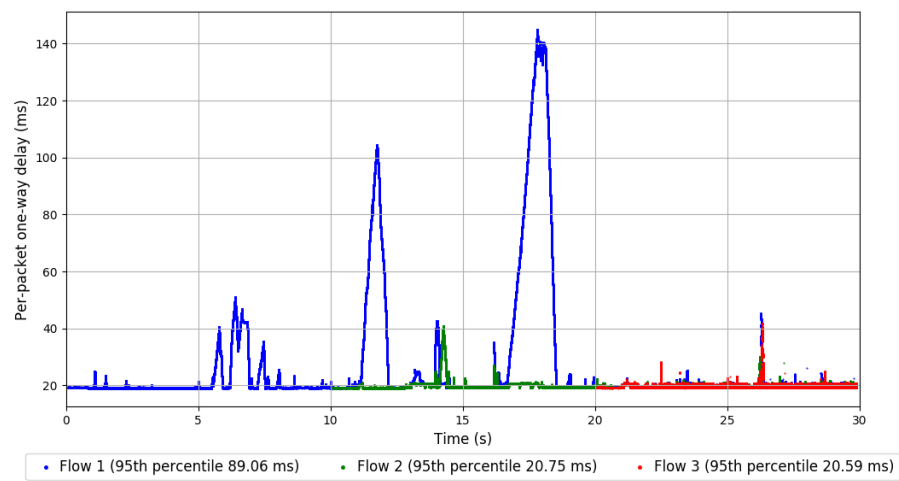
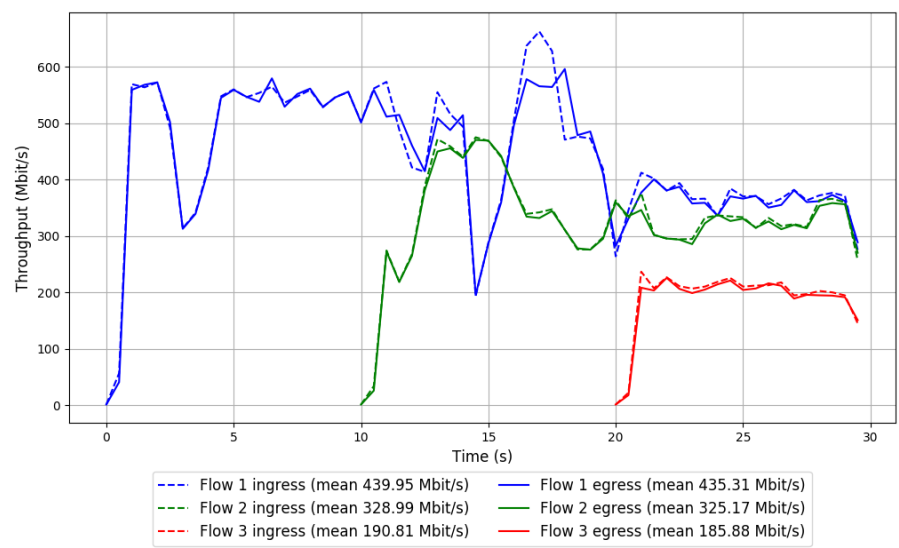


Run 5: Statistics of Vivace-loss

Start at: 2018-02-20 16:40:37
End at: 2018-02-20 16:41:07
Local clock offset: 3.486 ms
Remote clock offset: -2.964 ms

Below is generated by plot.py at 2018-02-21 00:06:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 712.74 Mbit/s
95th percentile per-packet one-way delay: 58.542 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 435.31 Mbit/s
95th percentile per-packet one-way delay: 89.061 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 325.17 Mbit/s
95th percentile per-packet one-way delay: 20.745 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 185.88 Mbit/s
95th percentile per-packet one-way delay: 20.586 ms
Loss rate: 2.57%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-02-20 17:09:57

End at: 2018-02-20 17:10:27

Local clock offset: 6.526 ms

Remote clock offset: -6.06 ms

Below is generated by plot.py at 2018-02-21 00:06:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 722.69 Mbit/s

95th percentile per-packet one-way delay: 36.302 ms

Loss rate: 2.35%

-- Flow 1:

Average throughput: 413.93 Mbit/s

95th percentile per-packet one-way delay: 46.577 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 322.11 Mbit/s

95th percentile per-packet one-way delay: 20.398 ms

Loss rate: 2.97%

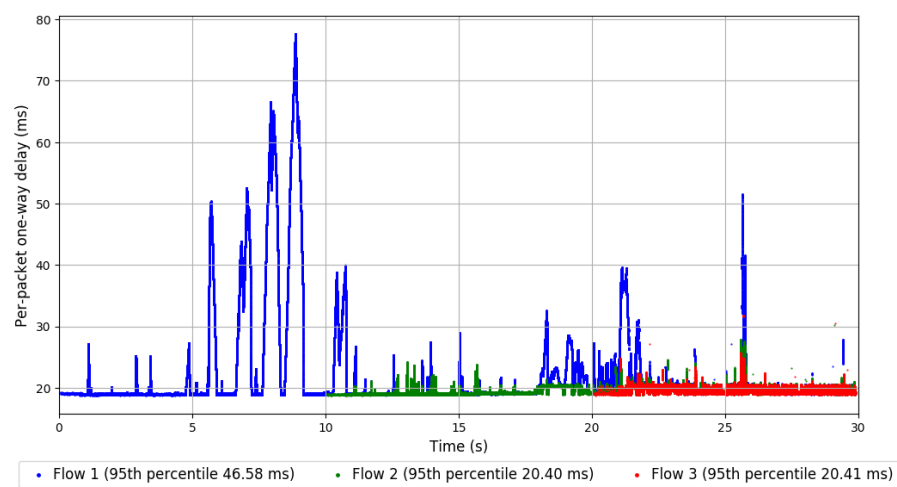
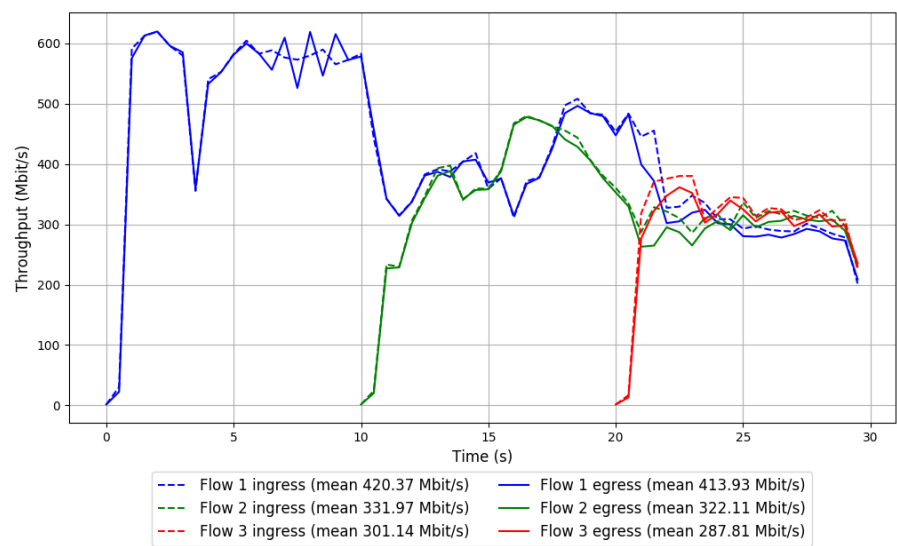
-- Flow 3:

Average throughput: 287.81 Mbit/s

95th percentile per-packet one-way delay: 20.411 ms

Loss rate: 4.43%

Run 6: Report of Vivace-loss — Data Link

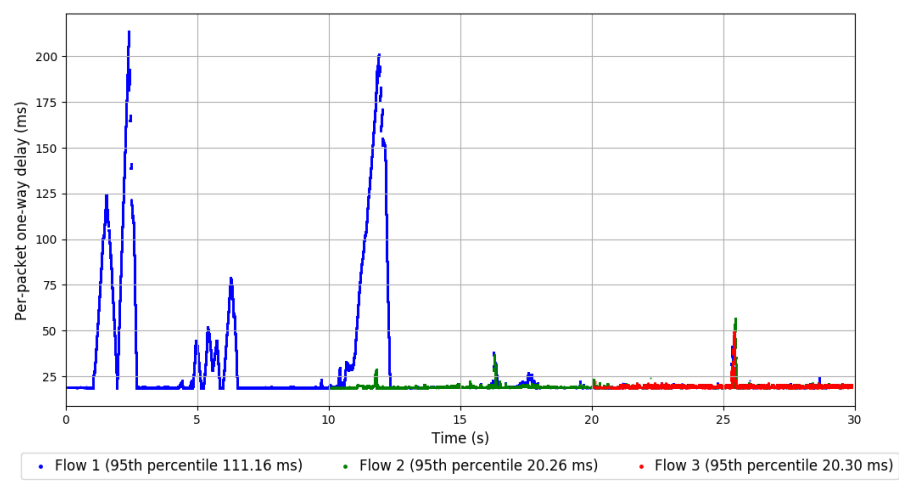
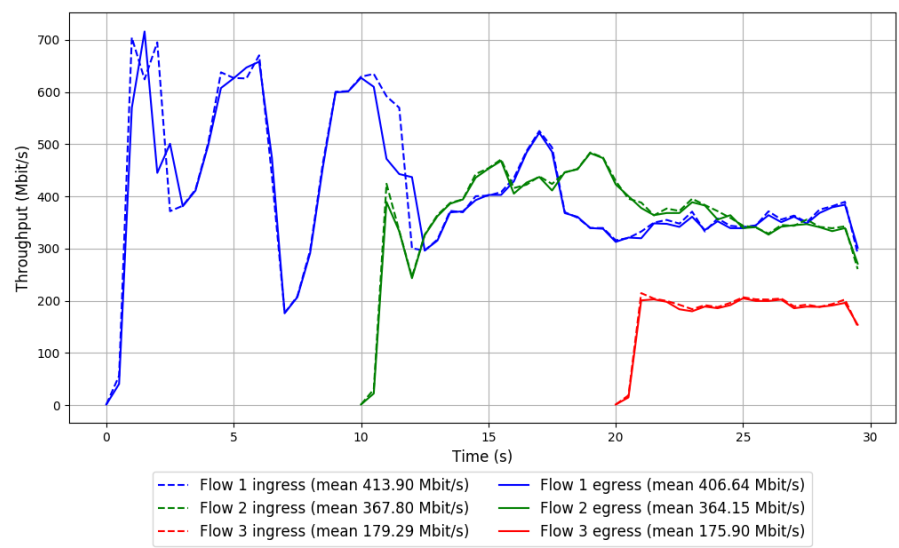


Run 7: Statistics of Vivace-loss

Start at: 2018-02-20 17:39:07
End at: 2018-02-20 17:39:37
Local clock offset: 7.854 ms
Remote clock offset: -6.714 ms

Below is generated by plot.py at 2018-02-21 00:11:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 706.70 Mbit/s
95th percentile per-packet one-way delay: 77.897 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 406.64 Mbit/s
95th percentile per-packet one-way delay: 111.161 ms
Loss rate: 1.75%
-- Flow 2:
Average throughput: 364.15 Mbit/s
95th percentile per-packet one-way delay: 20.261 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 175.90 Mbit/s
95th percentile per-packet one-way delay: 20.295 ms
Loss rate: 1.88%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-02-20 18:08:11

End at: 2018-02-20 18:08:41

Local clock offset: -2.012 ms

Remote clock offset: -6.15 ms

Below is generated by plot.py at 2018-02-21 00:12:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 761.10 Mbit/s

95th percentile per-packet one-way delay: 129.675 ms

Loss rate: 3.47%

-- Flow 1:

Average throughput: 452.23 Mbit/s

95th percentile per-packet one-way delay: 138.412 ms

Loss rate: 4.83%

-- Flow 2:

Average throughput: 387.71 Mbit/s

95th percentile per-packet one-way delay: 18.699 ms

Loss rate: 1.22%

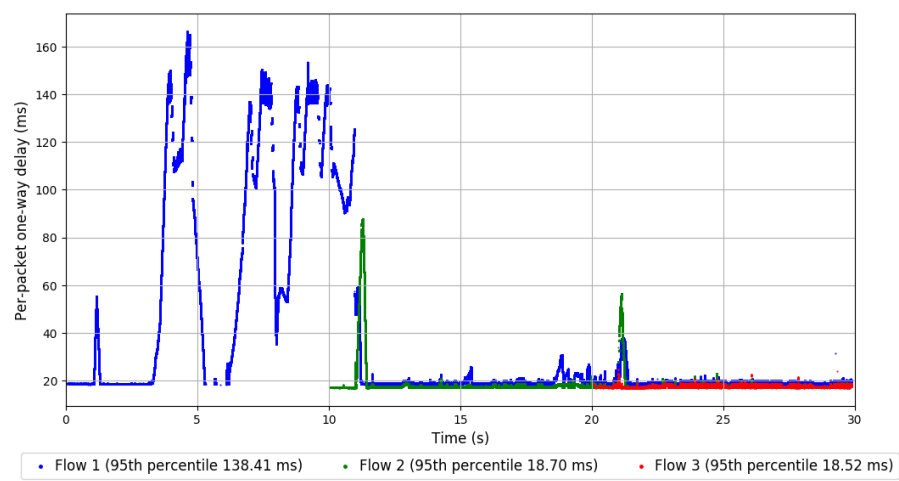
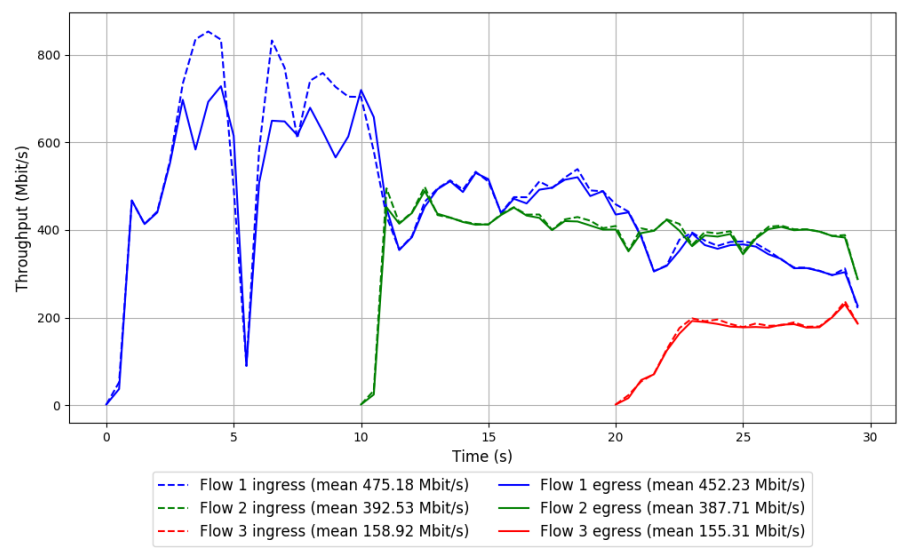
-- Flow 3:

Average throughput: 155.31 Mbit/s

95th percentile per-packet one-way delay: 18.517 ms

Loss rate: 2.28%

Run 8: Report of Vivace-loss — Data Link

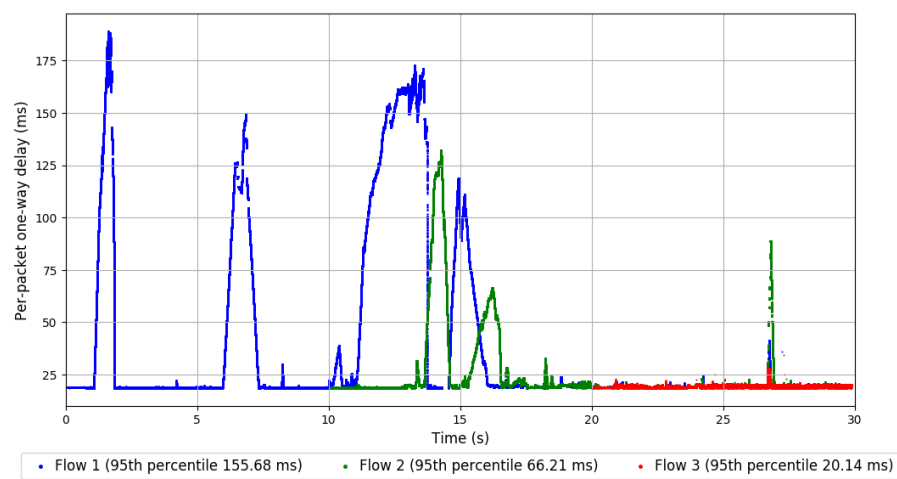
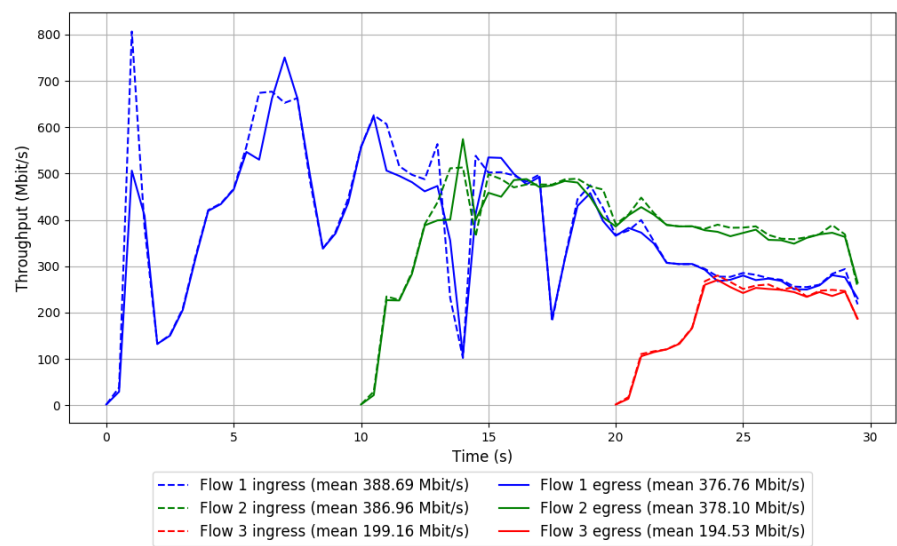


Run 9: Statistics of Vivace-loss

Start at: 2018-02-20 18:37:25
End at: 2018-02-20 18:37:55
Local clock offset: -1.186 ms
Remote clock offset: -5.458 ms

Below is generated by plot.py at 2018-02-21 00:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 692.14 Mbit/s
95th percentile per-packet one-way delay: 137.254 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 376.76 Mbit/s
95th percentile per-packet one-way delay: 155.683 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 378.10 Mbit/s
95th percentile per-packet one-way delay: 66.213 ms
Loss rate: 2.29%
-- Flow 3:
Average throughput: 194.53 Mbit/s
95th percentile per-packet one-way delay: 20.143 ms
Loss rate: 2.33%

Run 9: Report of Vivace-loss — Data Link

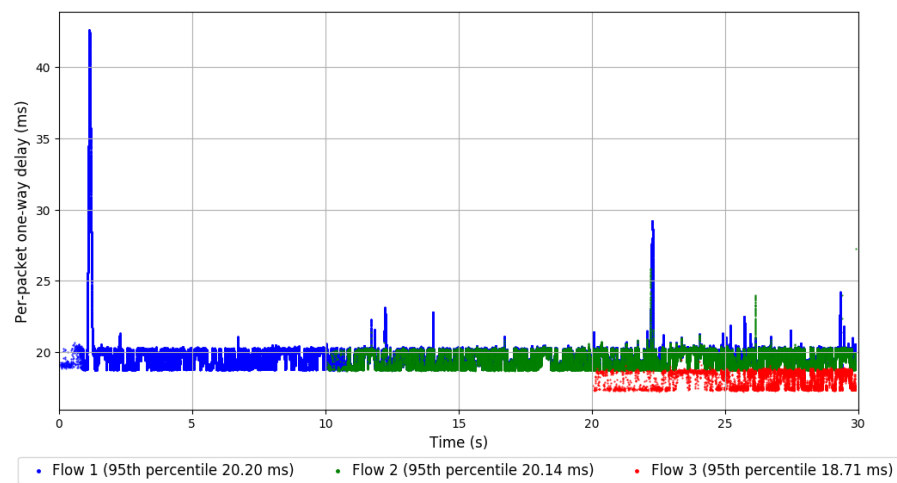
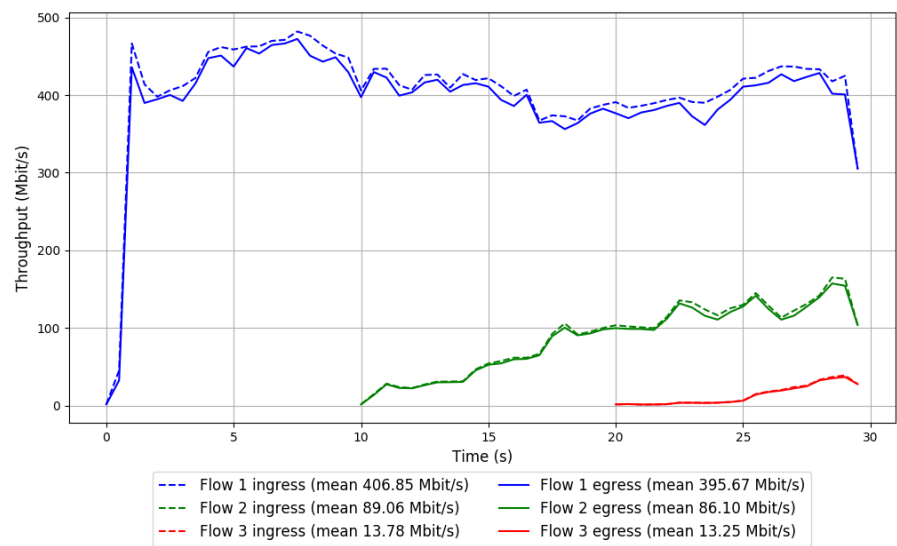


Run 10: Statistics of Vivace-loss

Start at: 2018-02-20 19:06:49
End at: 2018-02-20 19:07:19
Local clock offset: 0.509 ms
Remote clock offset: -4.757 ms

Below is generated by plot.py at 2018-02-21 00:13:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 457.19 Mbit/s
95th percentile per-packet one-way delay: 20.187 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 395.67 Mbit/s
95th percentile per-packet one-way delay: 20.196 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 86.10 Mbit/s
95th percentile per-packet one-way delay: 20.141 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 18.706 ms
Loss rate: 3.86%

Run 10: Report of Vivace-loss — Data Link

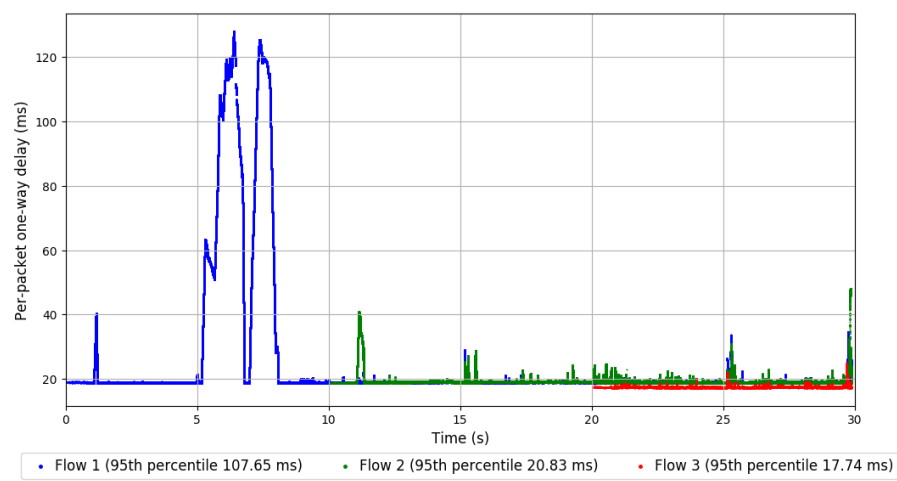
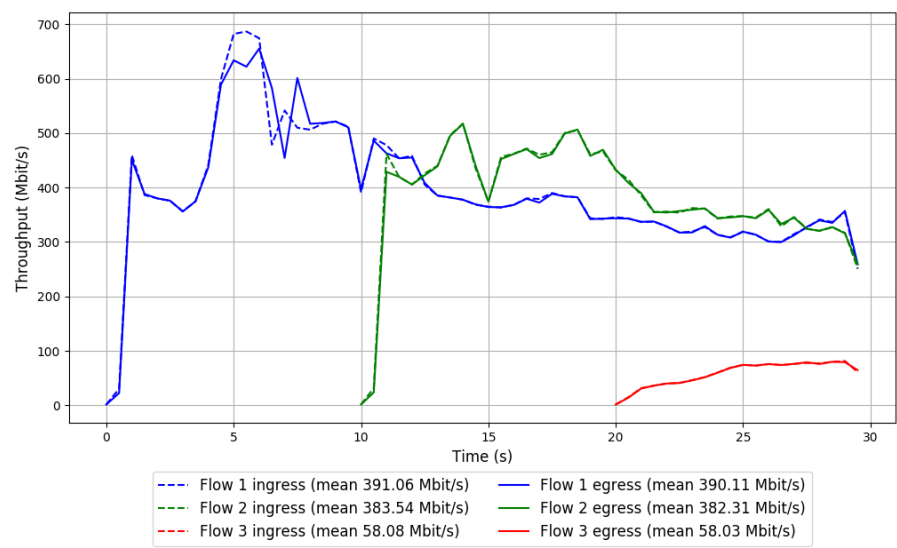


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-20 14:37:10
End at: 2018-02-20 14:37:40
Local clock offset: 3.617 ms
Remote clock offset: -6.492 ms

Below is generated by plot.py at 2018-02-21 00:13:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 663.44 Mbit/s
95th percentile per-packet one-way delay: 77.802 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 390.11 Mbit/s
95th percentile per-packet one-way delay: 107.653 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 382.31 Mbit/s
95th percentile per-packet one-way delay: 20.826 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 58.03 Mbit/s
95th percentile per-packet one-way delay: 17.744 ms
Loss rate: 0.10%

Run 1: Report of Vivace-LTE — Data Link

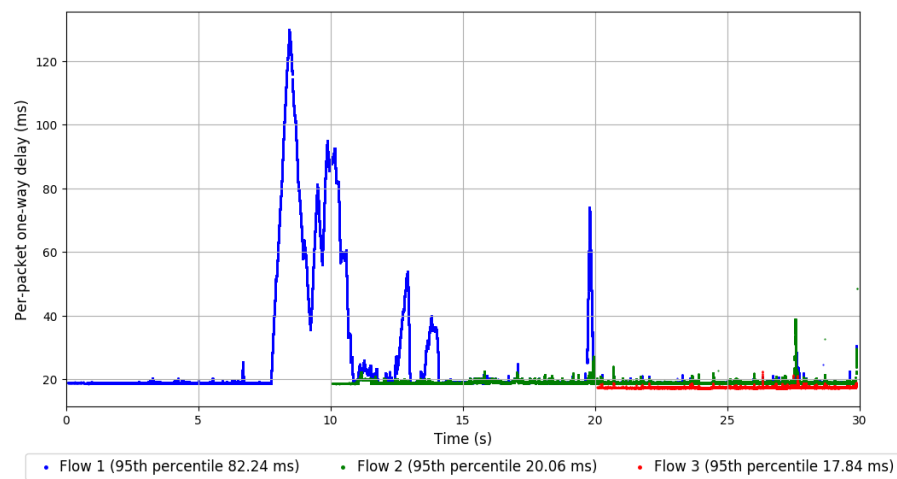
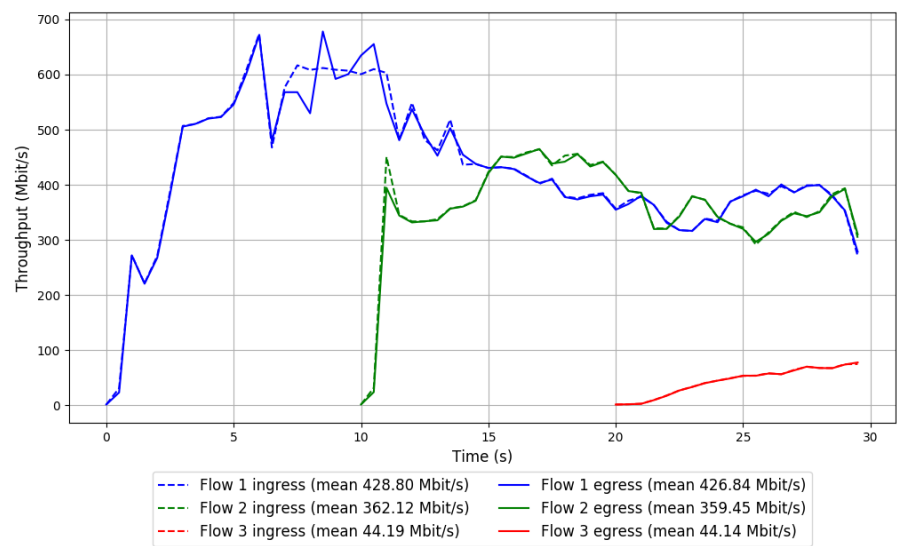


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-20 15:06:35
End at: 2018-02-20 15:07:05
Local clock offset: 4.909 ms
Remote clock offset: -6.807 ms

Below is generated by plot.py at 2018-02-21 00:14:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 680.15 Mbit/s
95th percentile per-packet one-way delay: 66.558 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 426.84 Mbit/s
95th percentile per-packet one-way delay: 82.239 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 359.45 Mbit/s
95th percentile per-packet one-way delay: 20.064 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 17.844 ms
Loss rate: 0.10%

Run 2: Report of Vivace-LTE — Data Link

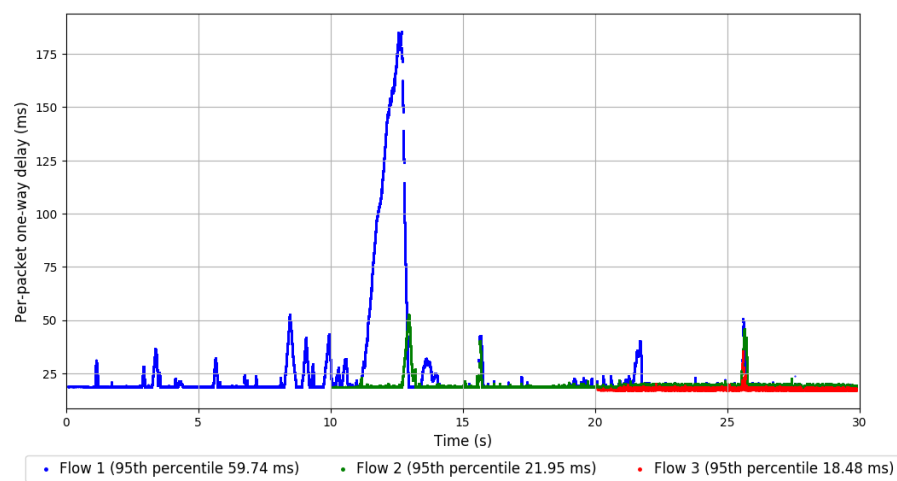
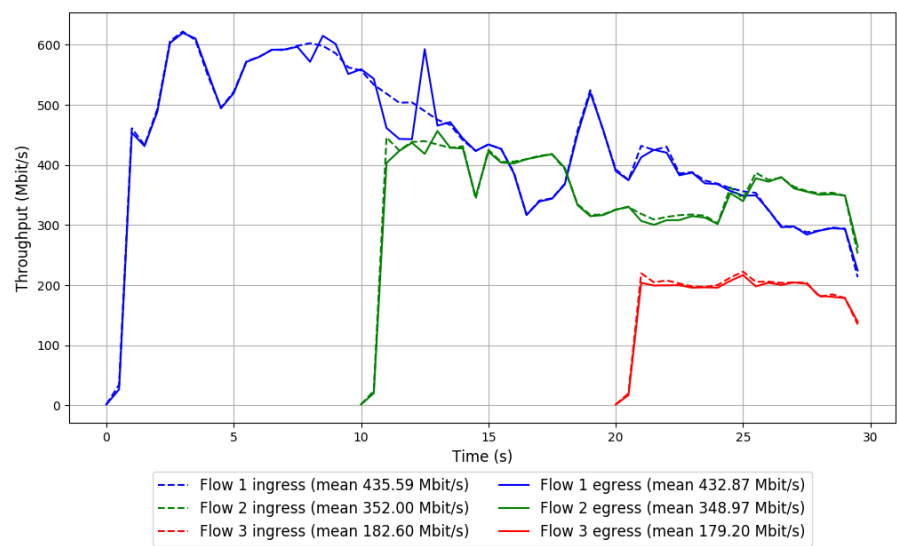


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-20 15:35:49
End at: 2018-02-20 15:36:19
Local clock offset: 2.753 ms
Remote clock offset: -6.311 ms

Below is generated by plot.py at 2018-02-21 00:16:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 723.81 Mbit/s
95th percentile per-packet one-way delay: 38.806 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 432.87 Mbit/s
95th percentile per-packet one-way delay: 59.742 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 348.97 Mbit/s
95th percentile per-packet one-way delay: 21.946 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 179.20 Mbit/s
95th percentile per-packet one-way delay: 18.485 ms
Loss rate: 1.86%

Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-02-20 16:04:58

End at: 2018-02-20 16:05:28

Local clock offset: -0.22 ms

Remote clock offset: -4.1 ms

Below is generated by plot.py at 2018-02-21 00:16:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 671.90 Mbit/s

95th percentile per-packet one-way delay: 55.430 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 368.96 Mbit/s

95th percentile per-packet one-way delay: 143.408 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 348.42 Mbit/s

95th percentile per-packet one-way delay: 18.966 ms

Loss rate: 0.64%

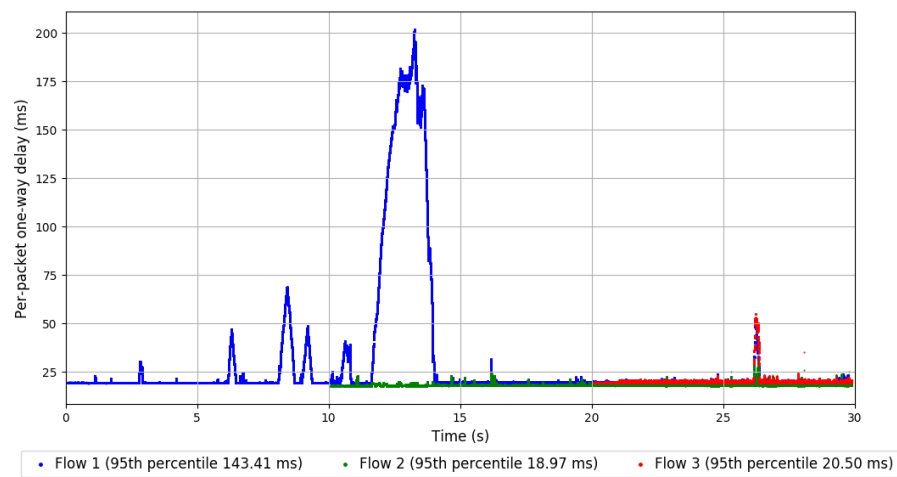
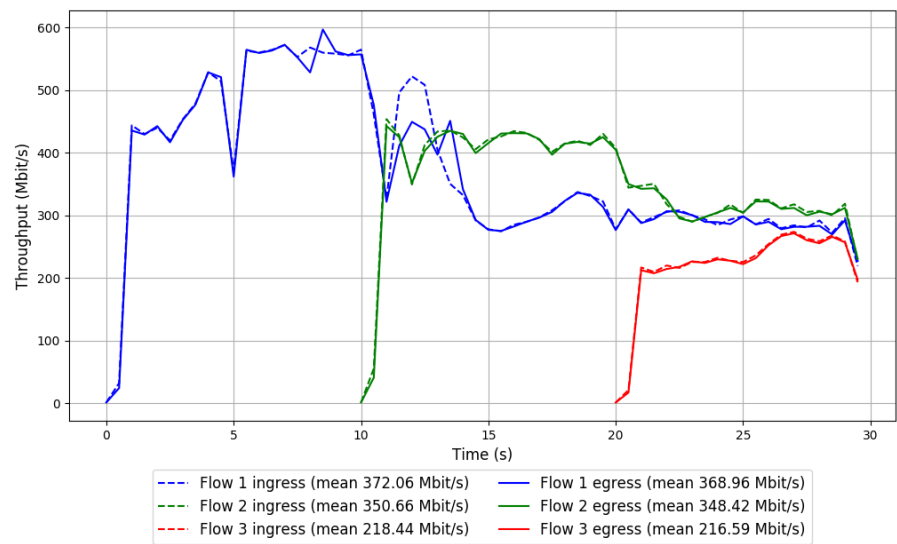
-- Flow 3:

Average throughput: 216.59 Mbit/s

95th percentile per-packet one-way delay: 20.500 ms

Loss rate: 0.85%

Run 4: Report of Vivace-LTE — Data Link

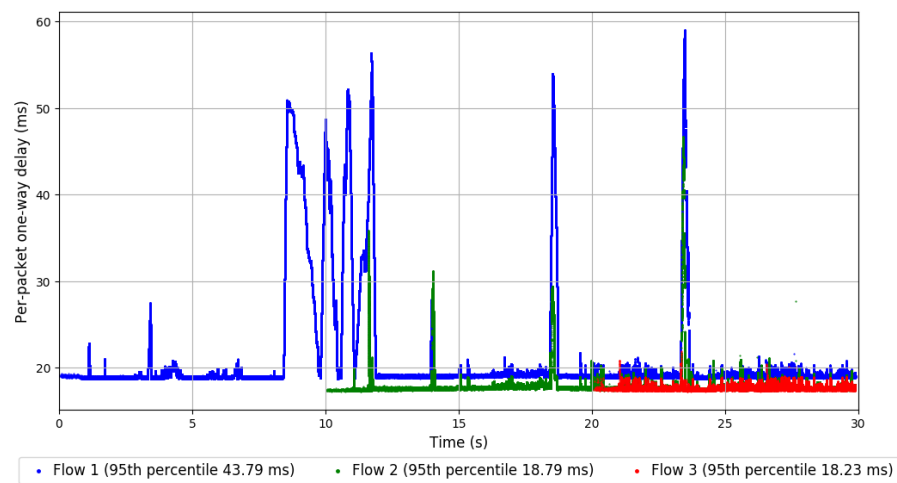
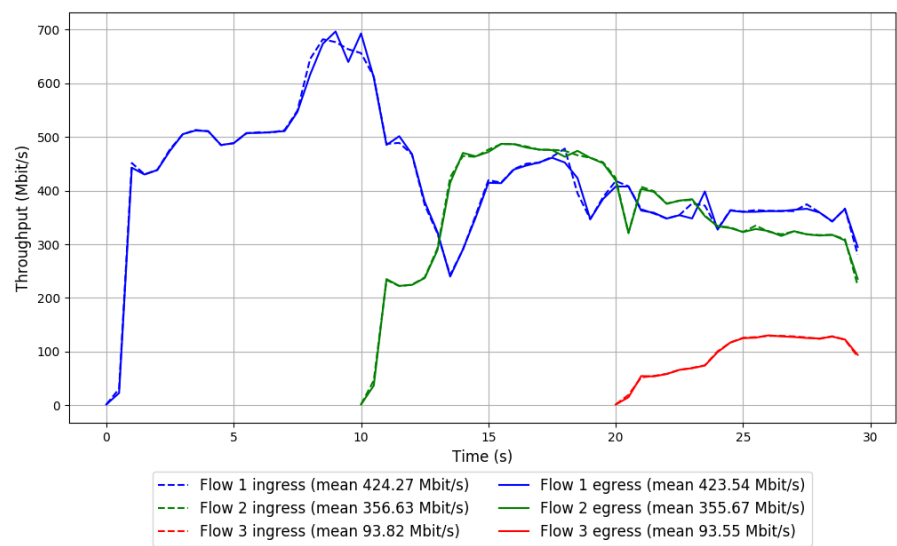


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-20 16:34:00
End at: 2018-02-20 16:34:30
Local clock offset: 2.475 ms
Remote clock offset: -3.197 ms

Below is generated by plot.py at 2018-02-21 00:19:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 690.79 Mbit/s
95th percentile per-packet one-way delay: 40.057 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 423.54 Mbit/s
95th percentile per-packet one-way delay: 43.789 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 355.67 Mbit/s
95th percentile per-packet one-way delay: 18.788 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 18.230 ms
Loss rate: 0.29%

Run 5: Report of Vivace-LTE — Data Link

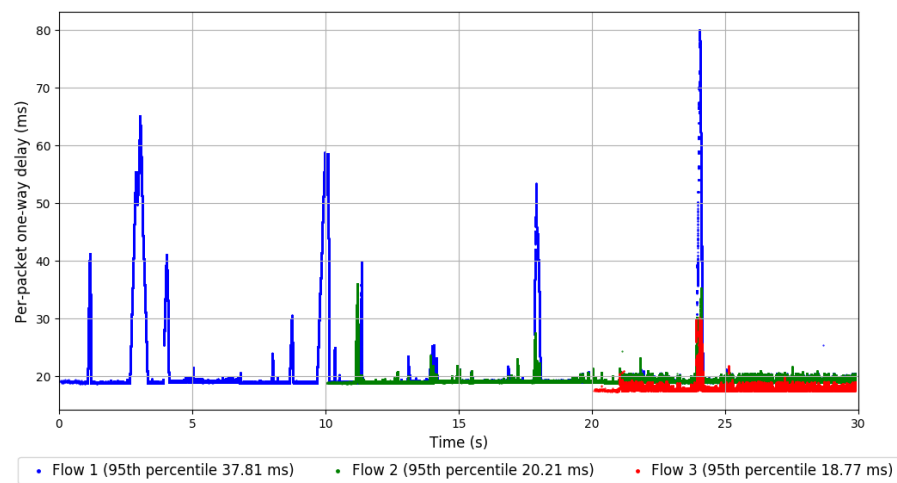
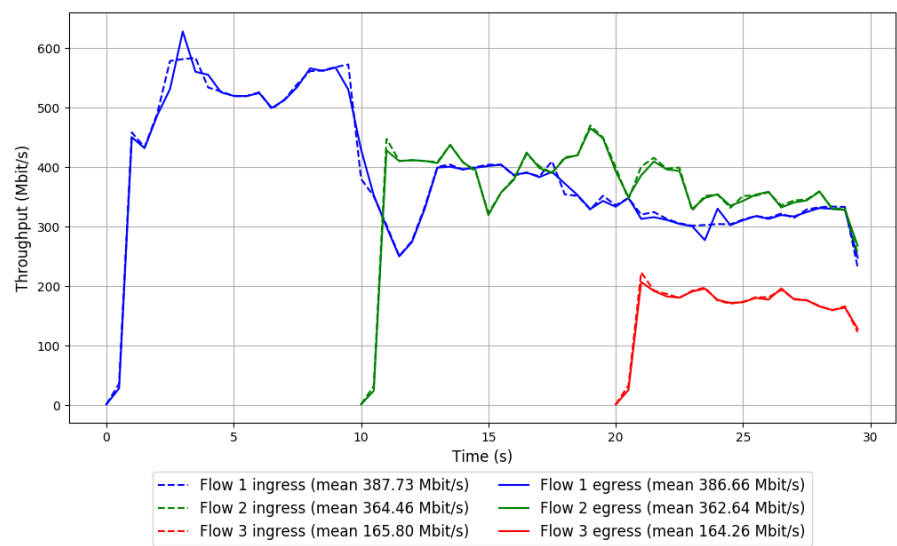


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-20 17:03:19
End at: 2018-02-20 17:03:49
Local clock offset: 6.262 ms
Remote clock offset: -5.301 ms

Below is generated by plot.py at 2018-02-21 00:20:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 681.75 Mbit/s
95th percentile per-packet one-way delay: 25.541 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 386.66 Mbit/s
95th percentile per-packet one-way delay: 37.815 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 362.64 Mbit/s
95th percentile per-packet one-way delay: 20.207 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 164.26 Mbit/s
95th percentile per-packet one-way delay: 18.774 ms
Loss rate: 0.92%

Run 6: Report of Vivace-LTE — Data Link

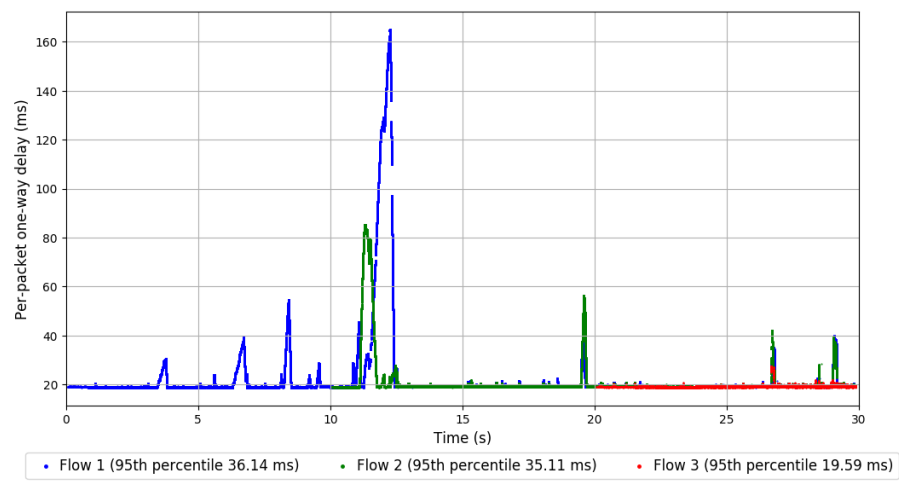
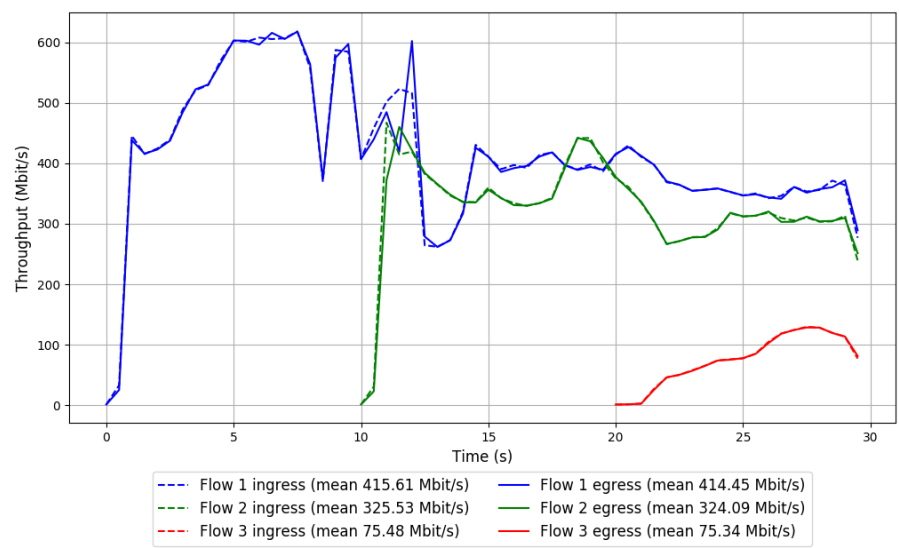


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-20 17:32:33
End at: 2018-02-20 17:33:03
Local clock offset: 7.584 ms
Remote clock offset: -6.751 ms

Below is generated by plot.py at 2018-02-21 00:20:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 654.71 Mbit/s
95th percentile per-packet one-way delay: 35.109 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 414.45 Mbit/s
95th percentile per-packet one-way delay: 36.137 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 324.09 Mbit/s
95th percentile per-packet one-way delay: 35.110 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 75.34 Mbit/s
95th percentile per-packet one-way delay: 19.587 ms
Loss rate: 0.19%

Run 7: Report of Vivace-LTE — Data Link

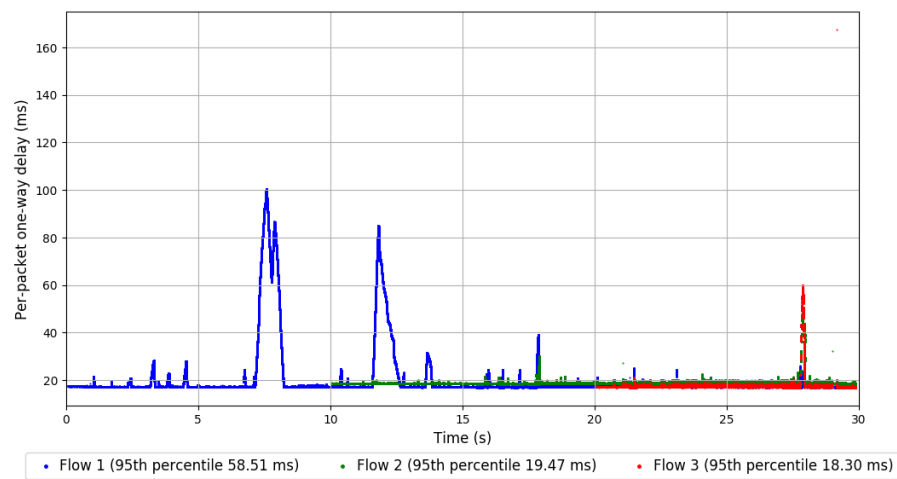
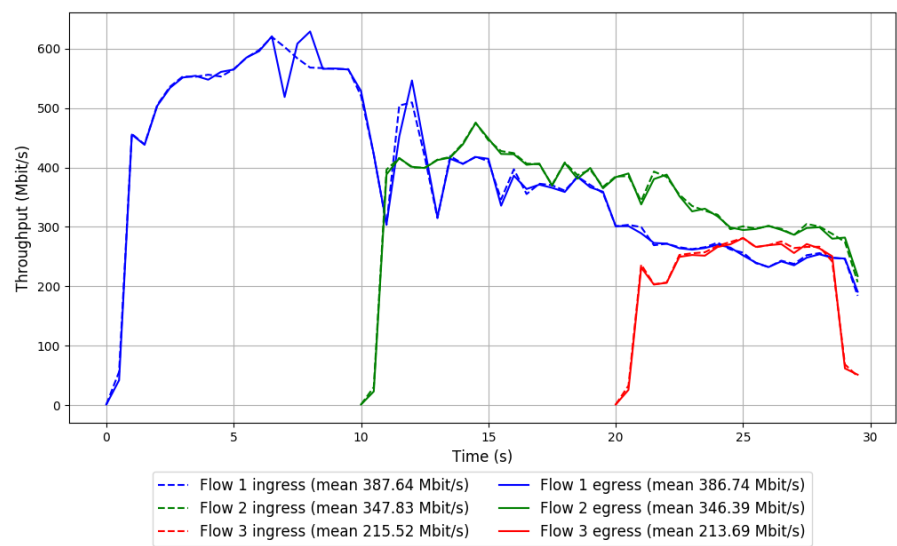


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-20 18:01:34
End at: 2018-02-20 18:02:04
Local clock offset: -0.581 ms
Remote clock offset: -6.964 ms

Below is generated by plot.py at 2018-02-21 00:20:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 687.33 Mbit/s
95th percentile per-packet one-way delay: 31.864 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 386.74 Mbit/s
95th percentile per-packet one-way delay: 58.513 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 346.39 Mbit/s
95th percentile per-packet one-way delay: 19.468 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 213.69 Mbit/s
95th percentile per-packet one-way delay: 18.295 ms
Loss rate: 0.85%

Run 8: Report of Vivace-LTE — Data Link

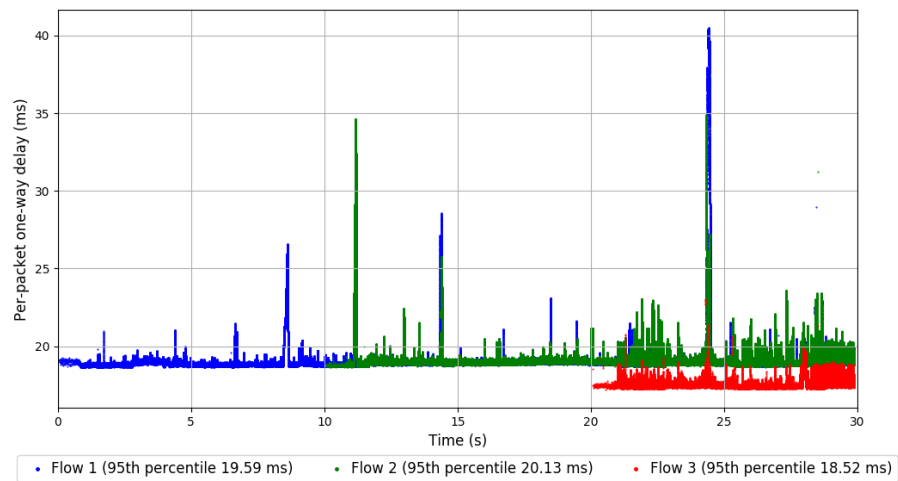
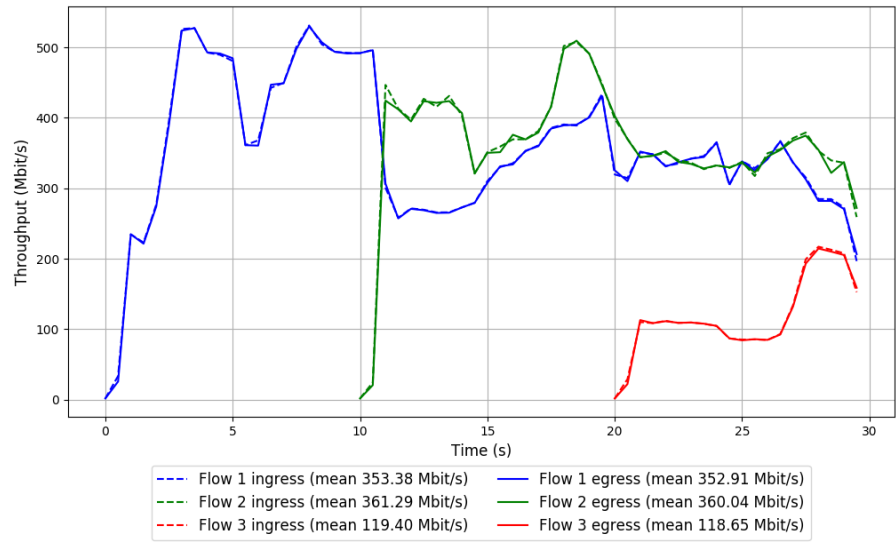


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-20 18:30:47
End at: 2018-02-20 18:31:17
Local clock offset: -1.485 ms
Remote clock offset: -5.643 ms

Below is generated by plot.py at 2018-02-21 00:20:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 631.29 Mbit/s
95th percentile per-packet one-way delay: 19.813 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 352.91 Mbit/s
95th percentile per-packet one-way delay: 19.586 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 360.04 Mbit/s
95th percentile per-packet one-way delay: 20.129 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 118.65 Mbit/s
95th percentile per-packet one-way delay: 18.524 ms
Loss rate: 0.63%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-20 19:00:37
End at: 2018-02-20 19:01:07
Local clock offset: 0.017 ms
Remote clock offset: -4.742 ms

Below is generated by plot.py at 2018-02-21 00:20:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.46 Mbit/s
95th percentile per-packet one-way delay: 20.183 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 265.49 Mbit/s
95th percentile per-packet one-way delay: 20.182 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 45.54 Mbit/s
95th percentile per-packet one-way delay: 20.187 ms
Loss rate: 2.19%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 20.187 ms
Loss rate: 2.24%

Run 10: Report of Vivace-LTE — Data Link

