

Pantheon Report

Generated at 2018-02-14 04:17:22 (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).

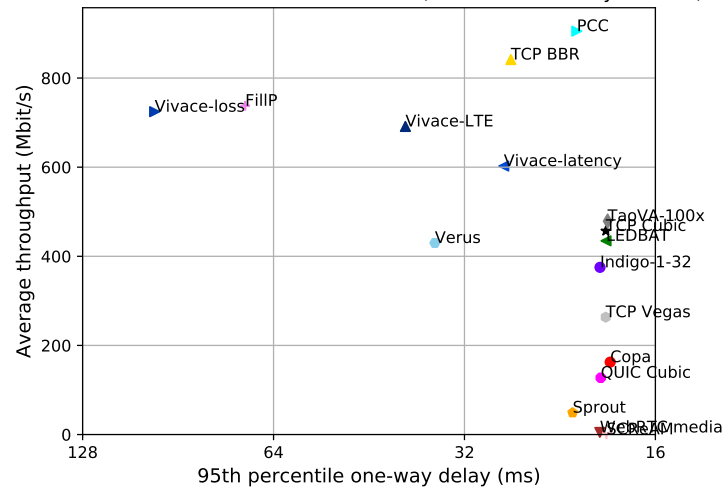
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

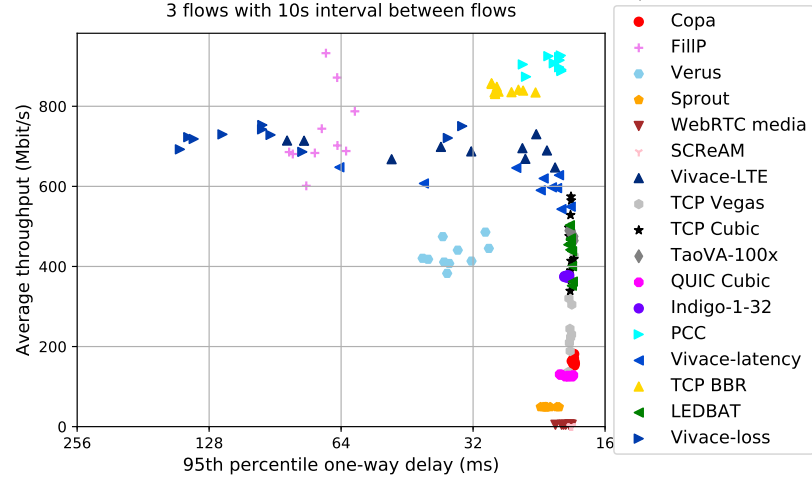
Git summary:

```
branch: master @ 2efdad57c2c56a9458b0d01ff33345e11732665
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from 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



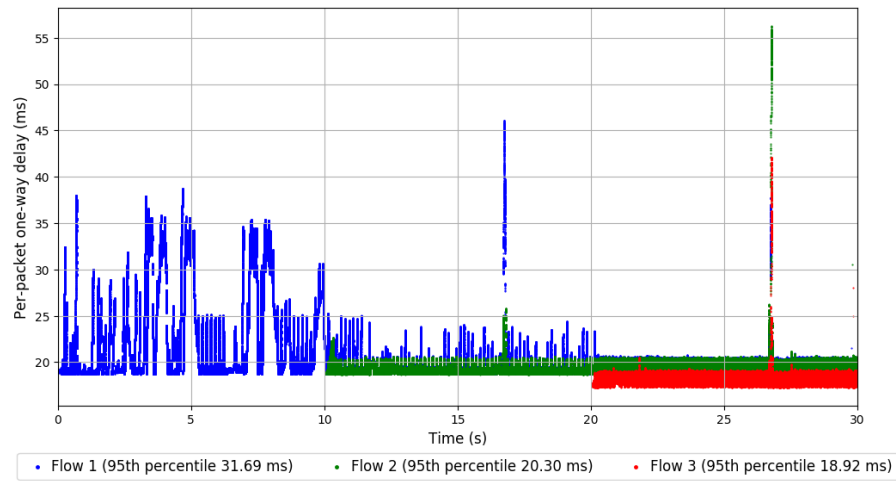
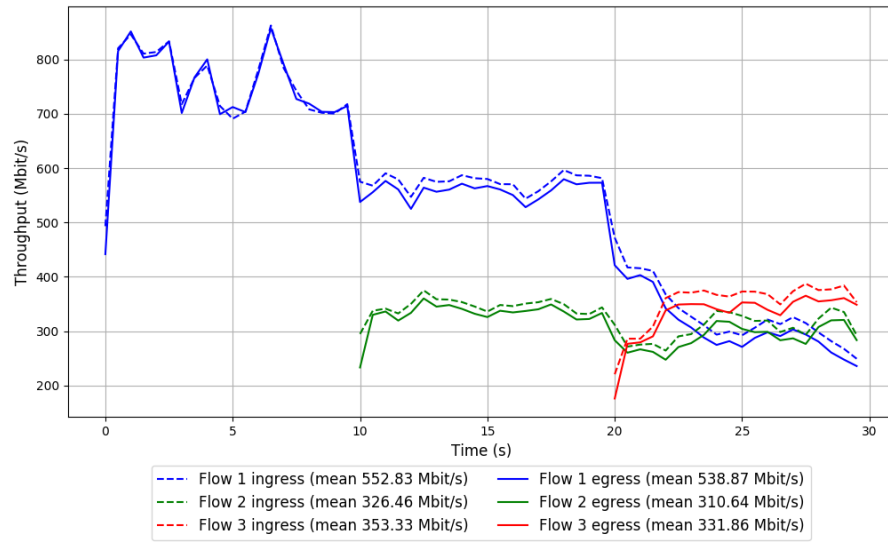
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	493.33	368.07	310.58	30.58	20.22	19.59	3.08	5.30	7.10
TCP Cubic	10	262.14	192.79	199.80	19.11	18.57	18.88	0.07	0.08	0.15
LEDBAT	10	248.48	202.25	155.48	18.99	19.04	19.08	0.02	0.03	0.05
PCC	10	796.46	120.83	86.66	21.77	19.50	19.31	0.46	0.40	0.57
QUIC Cubic	10	68.58	61.55	55.15	19.37	19.42	20.79	0.01	0.01	0.02
SCReAM	10	0.22	0.22	0.22	18.84	18.70	18.85	0.01	0.00	0.00
WebRTC media	10	2.42	1.61	0.73	19.31	19.37	20.18	0.00	0.01	0.00
Sprout	10	24.71	24.59	24.46	21.55	21.44	21.24	0.03	0.03	0.01
TaoVA-100x	10	239.42	243.38	233.94	18.15	18.92	19.33	0.00	0.01	0.01
TCP Vegas	10	135.36	112.41	160.14	18.85	18.92	19.11	0.05	0.10	0.15
Verus	10	227.97	218.49	173.53	43.54	32.24	26.65	16.20	16.92	18.43
Copa	10	84.75	78.07	77.67	18.29	18.45	18.88	0.00	0.01	0.01
FillP	10	479.32	232.12	313.82	71.22	53.00	50.86	7.35	12.66	14.38
Indigo-1-32	10	193.88	188.37	176.47	19.17	19.06	20.46	0.01	0.01	0.03
Vivace-latency	10	358.59	313.03	108.76	40.44	21.36	19.05	0.17	0.23	0.42
Vivace-loss	10	418.10	372.09	179.39	111.53	54.69	21.09	2.57	2.06	2.94
Vivace-LTE	10	416.66	337.99	152.19	48.90	22.38	19.72	0.30	0.62	1.07

Run 1: Statistics of TCP BBR

Start at: 2018-02-13 18:45:40
End at: 2018-02-13 18:46:10
Local clock offset: -0.816 ms
Remote clock offset: -6.458 ms

Below is generated by plot.py at 2018-02-14 02:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 855.83 Mbit/s
95th percentile per-packet one-way delay: 29.015 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 538.87 Mbit/s
95th percentile per-packet one-way delay: 31.690 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 310.64 Mbit/s
95th percentile per-packet one-way delay: 20.305 ms
Loss rate: 4.85%
-- Flow 3:
Average throughput: 331.86 Mbit/s
95th percentile per-packet one-way delay: 18.917 ms
Loss rate: 6.07%

Run 1: Report of TCP BBR — Data Link

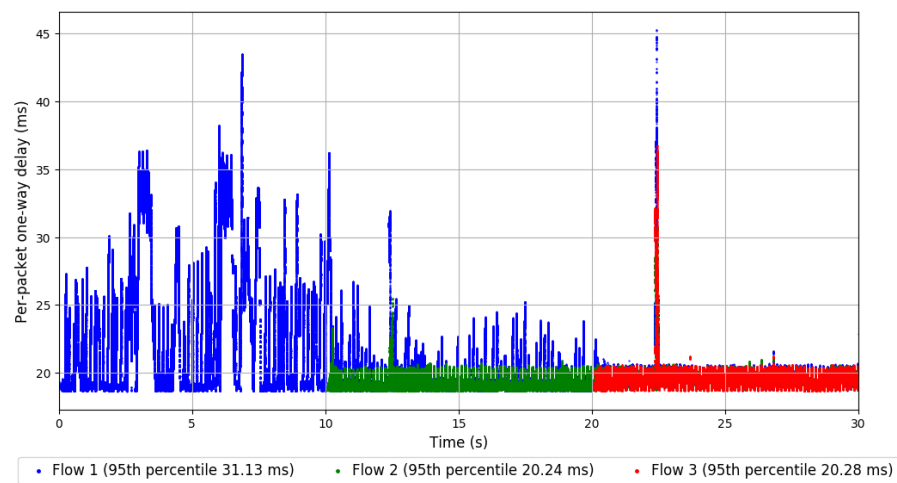
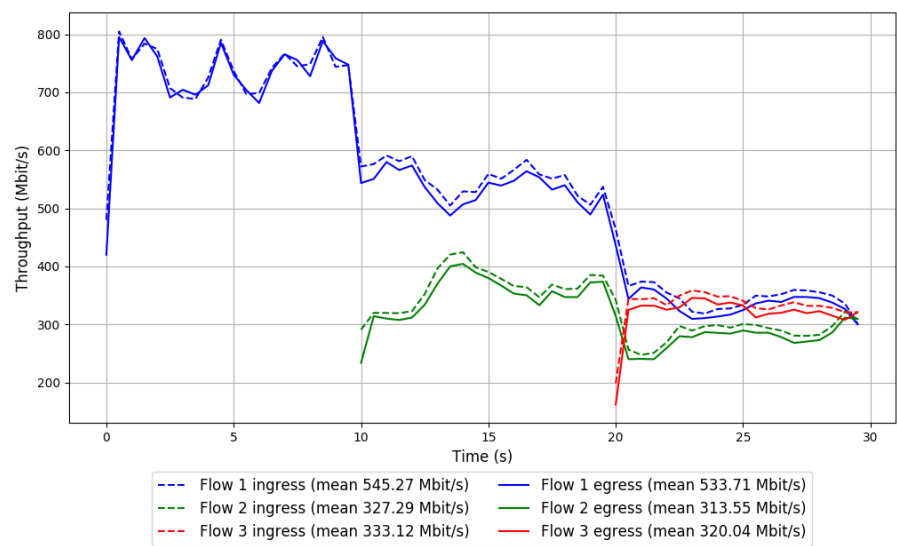


Run 2: Statistics of TCP BBR

Start at: 2018-02-13 19:15:14
End at: 2018-02-13 19:15:44
Local clock offset: 0.155 ms
Remote clock offset: -6.665 ms

Below is generated by plot.py at 2018-02-14 02:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 848.60 Mbit/s
95th percentile per-packet one-way delay: 28.254 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 533.71 Mbit/s
95th percentile per-packet one-way delay: 31.126 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 313.55 Mbit/s
95th percentile per-packet one-way delay: 20.243 ms
Loss rate: 4.19%
-- Flow 3:
Average throughput: 320.04 Mbit/s
95th percentile per-packet one-way delay: 20.281 ms
Loss rate: 3.94%

Run 2: Report of TCP BBR — Data Link

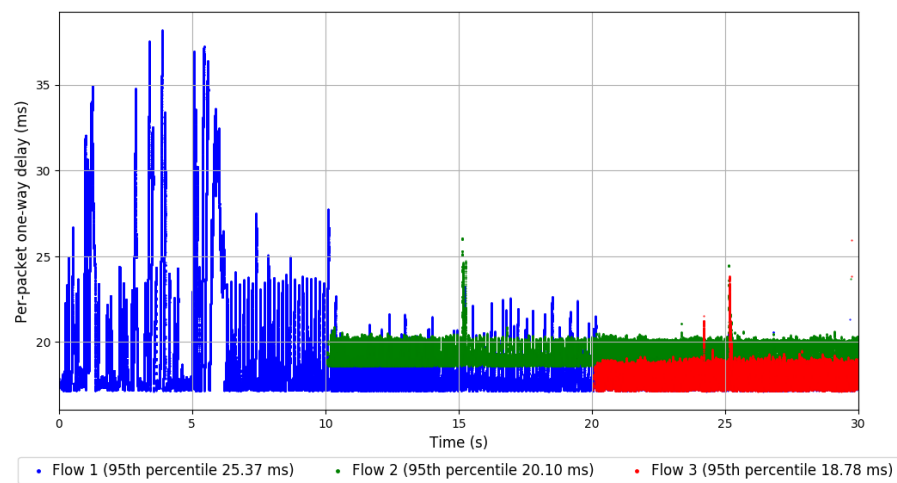
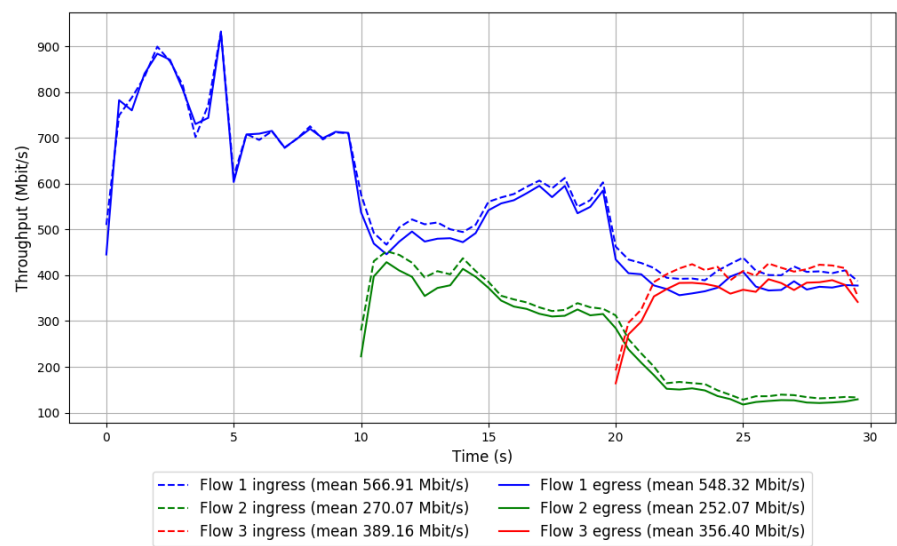


Run 3: Statistics of TCP BBR

Start at: 2018-02-13 19:44:41
End at: 2018-02-13 19:45:11
Local clock offset: -0.093 ms
Remote clock offset: -6.637 ms

Below is generated by plot.py at 2018-02-14 02:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 834.51 Mbit/s
95th percentile per-packet one-way delay: 23.048 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 548.32 Mbit/s
95th percentile per-packet one-way delay: 25.370 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 252.07 Mbit/s
95th percentile per-packet one-way delay: 20.101 ms
Loss rate: 6.67%
-- Flow 3:
Average throughput: 356.40 Mbit/s
95th percentile per-packet one-way delay: 18.780 ms
Loss rate: 8.42%

Run 3: Report of TCP BBR — Data Link

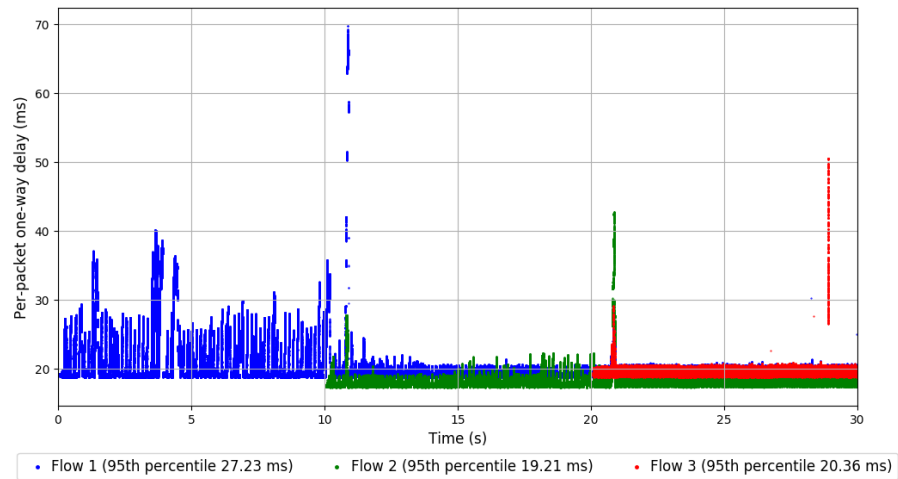
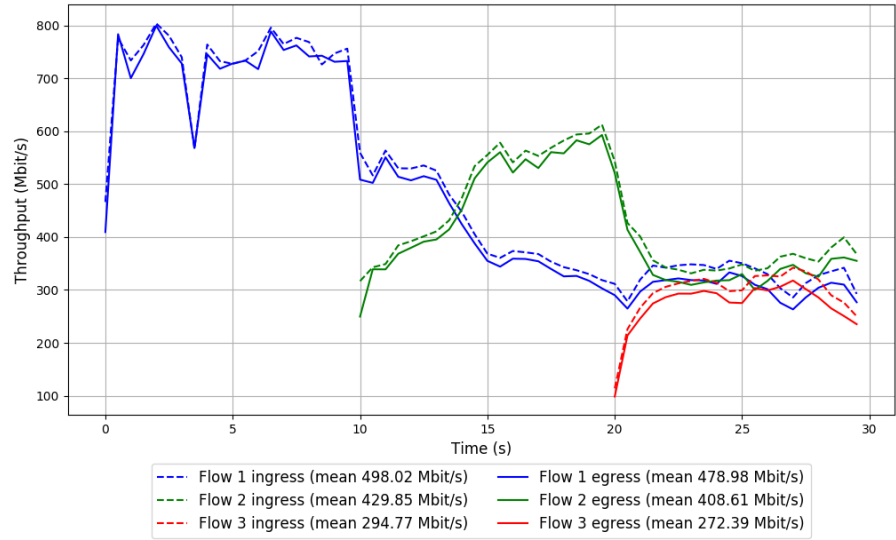


Run 4: Statistics of TCP BBR

Start at: 2018-02-13 20:14:14
End at: 2018-02-13 20:14:44
Local clock offset: -0.541 ms
Remote clock offset: -6.784 ms

Below is generated by plot.py at 2018-02-14 02:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 841.40 Mbit/s
95th percentile per-packet one-way delay: 25.221 ms
Loss rate: 4.59%
-- Flow 1:
Average throughput: 478.98 Mbit/s
95th percentile per-packet one-way delay: 27.230 ms
Loss rate: 3.81%
-- Flow 2:
Average throughput: 408.61 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 4.94%
-- Flow 3:
Average throughput: 272.39 Mbit/s
95th percentile per-packet one-way delay: 20.356 ms
Loss rate: 7.60%

Run 4: Report of TCP BBR — Data Link

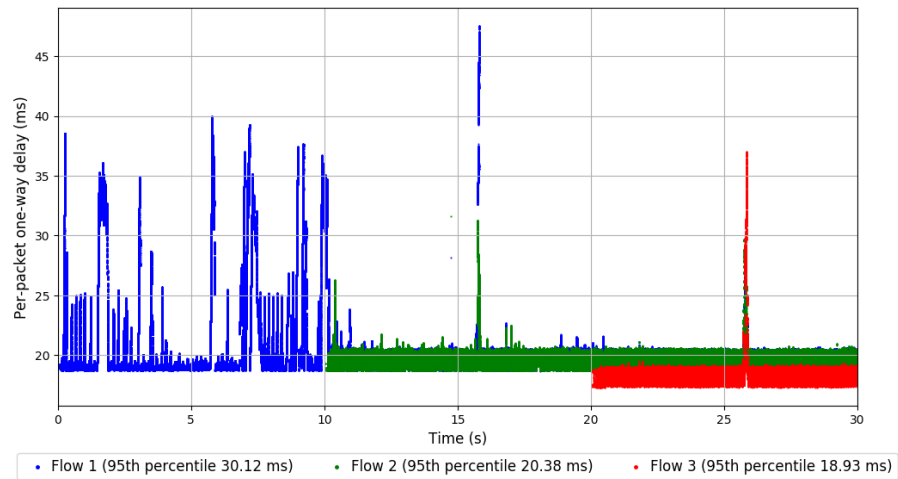
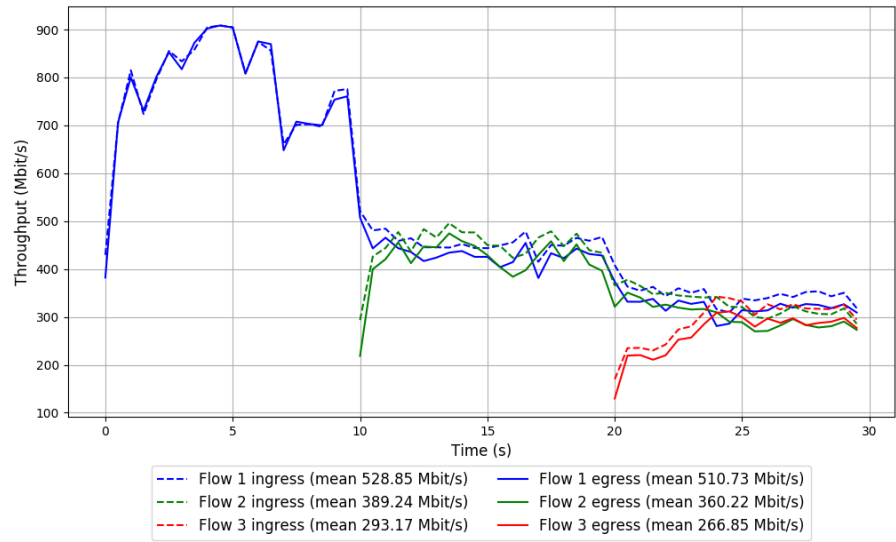


Run 5: Statistics of TCP BBR

Start at: 2018-02-13 20:43:29
End at: 2018-02-13 20:43:59
Local clock offset: -0.196 ms
Remote clock offset: -5.911 ms

Below is generated by plot.py at 2018-02-14 02:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 839.24 Mbit/s
95th percentile per-packet one-way delay: 24.606 ms
Loss rate: 5.22%
-- Flow 1:
Average throughput: 510.73 Mbit/s
95th percentile per-packet one-way delay: 30.118 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 360.22 Mbit/s
95th percentile per-packet one-way delay: 20.376 ms
Loss rate: 7.46%
-- Flow 3:
Average throughput: 266.85 Mbit/s
95th percentile per-packet one-way delay: 18.930 ms
Loss rate: 8.98%

Run 5: Report of TCP BBR — Data Link

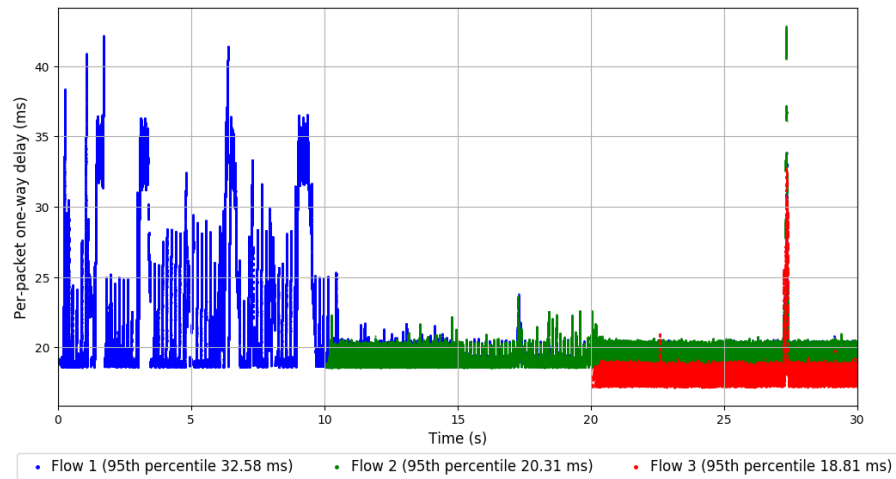
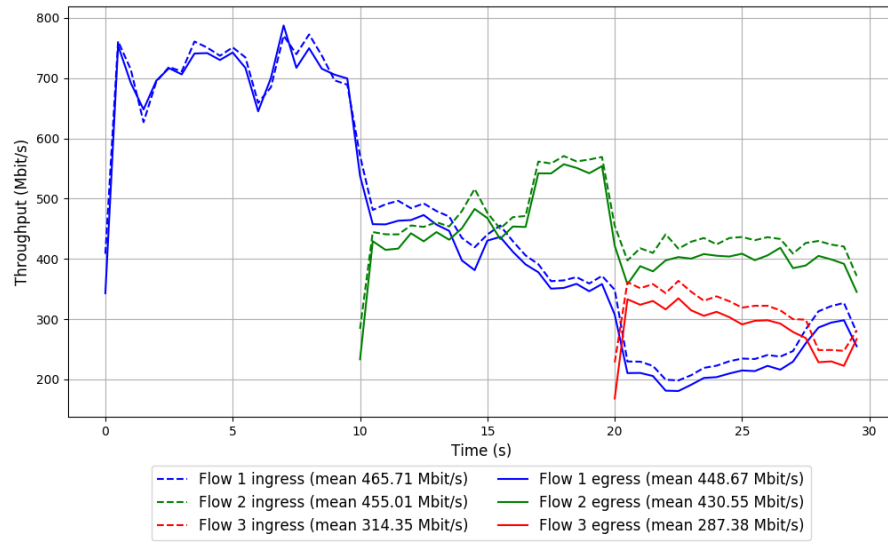


Run 6: Statistics of TCP BBR

Start at: 2018-02-13 21:12:47
End at: 2018-02-13 21:13:17
Local clock offset: -0.027 ms
Remote clock offset: -5.451 ms

Below is generated by plot.py at 2018-02-14 02:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 830.75 Mbit/s
95th percentile per-packet one-way delay: 28.505 ms
Loss rate: 4.85%
-- Flow 1:
Average throughput: 448.67 Mbit/s
95th percentile per-packet one-way delay: 32.575 ms
Loss rate: 3.66%
-- Flow 2:
Average throughput: 430.55 Mbit/s
95th percentile per-packet one-way delay: 20.306 ms
Loss rate: 5.38%
-- Flow 3:
Average throughput: 287.38 Mbit/s
95th percentile per-packet one-way delay: 18.809 ms
Loss rate: 8.58%

Run 6: Report of TCP BBR — Data Link

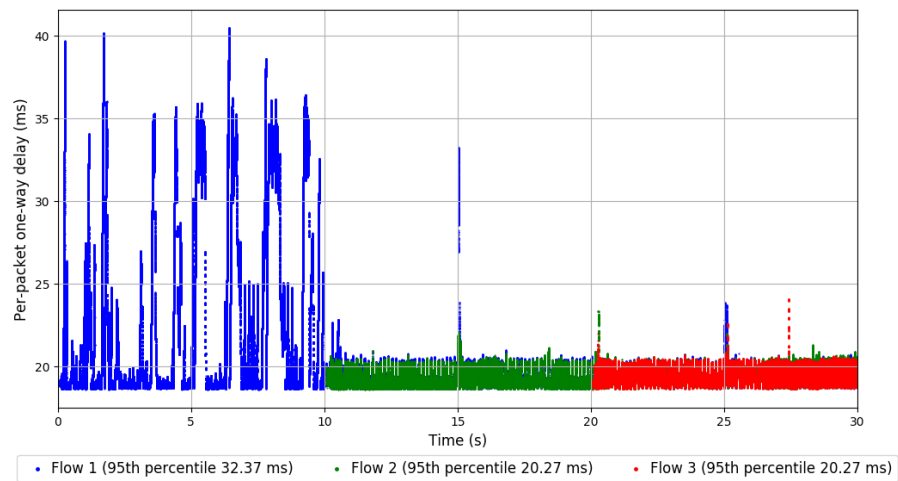
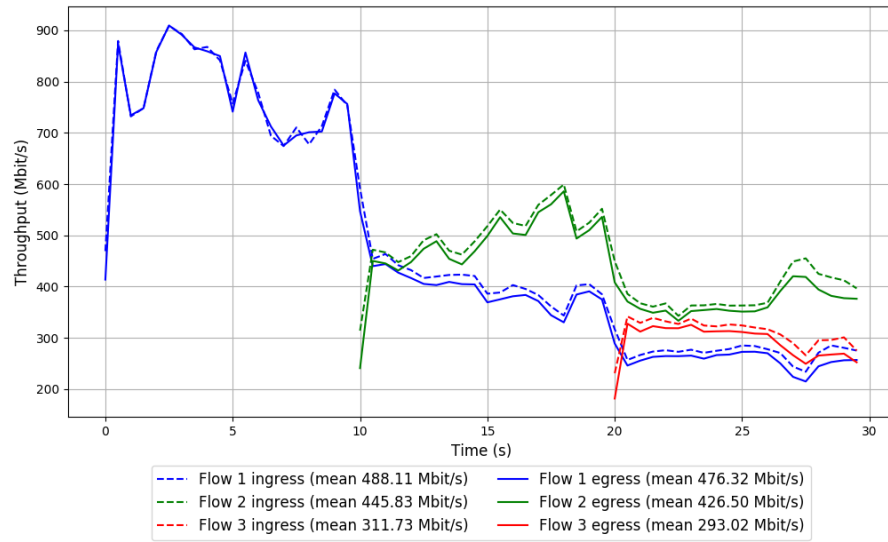


Run 7: Statistics of TCP BBR

Start at: 2018-02-13 21:42:09
End at: 2018-02-13 21:42:39
Local clock offset: 0.331 ms
Remote clock offset: -5.432 ms

Below is generated by plot.py at 2018-02-14 02:08:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 857.64 Mbit/s
95th percentile per-packet one-way delay: 29.045 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 476.32 Mbit/s
95th percentile per-packet one-way delay: 32.371 ms
Loss rate: 2.42%
-- Flow 2:
Average throughput: 426.50 Mbit/s
95th percentile per-packet one-way delay: 20.265 ms
Loss rate: 4.34%
-- Flow 3:
Average throughput: 293.02 Mbit/s
95th percentile per-packet one-way delay: 20.271 ms
Loss rate: 6.01%

Run 7: Report of TCP BBR — Data Link

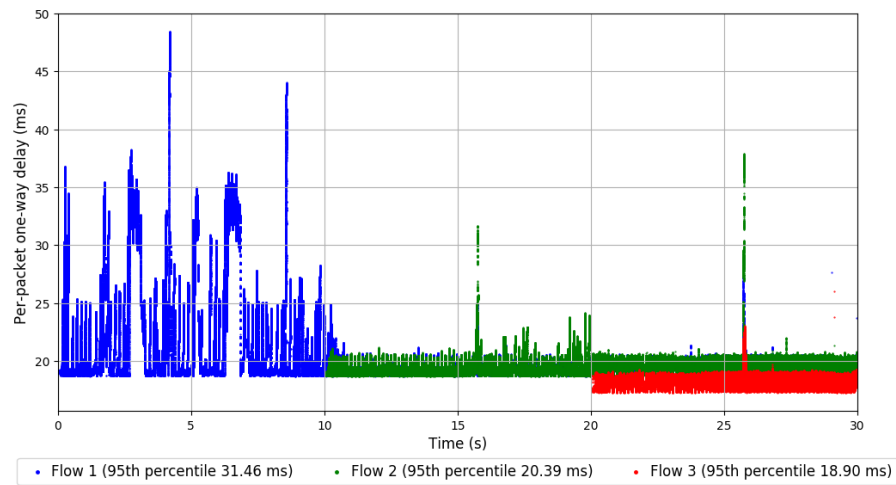
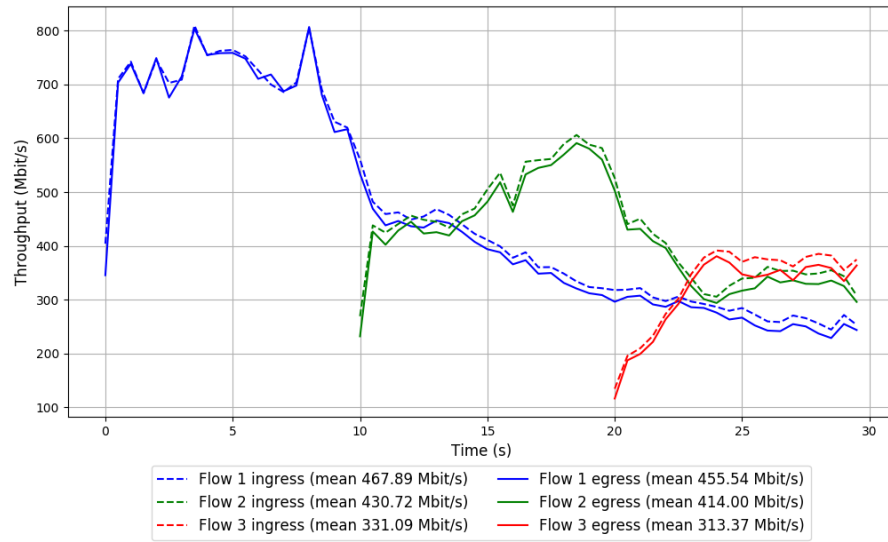


Run 8: Statistics of TCP BBR

Start at: 2018-02-13 22:11:28
End at: 2018-02-13 22:11:58
Local clock offset: 0.567 ms
Remote clock offset: -6.423 ms

Below is generated by plot.py at 2018-02-14 02:08:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 835.25 Mbit/s
95th percentile per-packet one-way delay: 26.157 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 455.54 Mbit/s
95th percentile per-packet one-way delay: 31.465 ms
Loss rate: 2.63%
-- Flow 2:
Average throughput: 414.00 Mbit/s
95th percentile per-packet one-way delay: 20.393 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 313.37 Mbit/s
95th percentile per-packet one-way delay: 18.899 ms
Loss rate: 5.34%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-02-13 22:40:57

End at: 2018-02-13 22:41:27

Local clock offset: 1.099 ms

Remote clock offset: -5.01 ms

Below is generated by plot.py at 2018-02-14 02:19:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 836.64 Mbit/s

95th percentile per-packet one-way delay: 27.994 ms

Loss rate: 4.30%

-- Flow 1:

Average throughput: 438.49 Mbit/s

95th percentile per-packet one-way delay: 31.993 ms

Loss rate: 3.08%

-- Flow 2:

Average throughput: 409.87 Mbit/s

95th percentile per-packet one-way delay: 20.667 ms

Loss rate: 4.80%

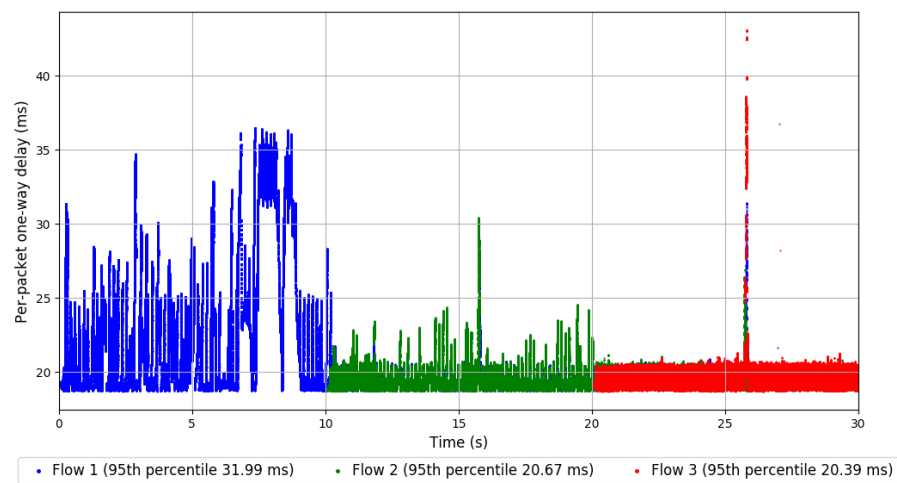
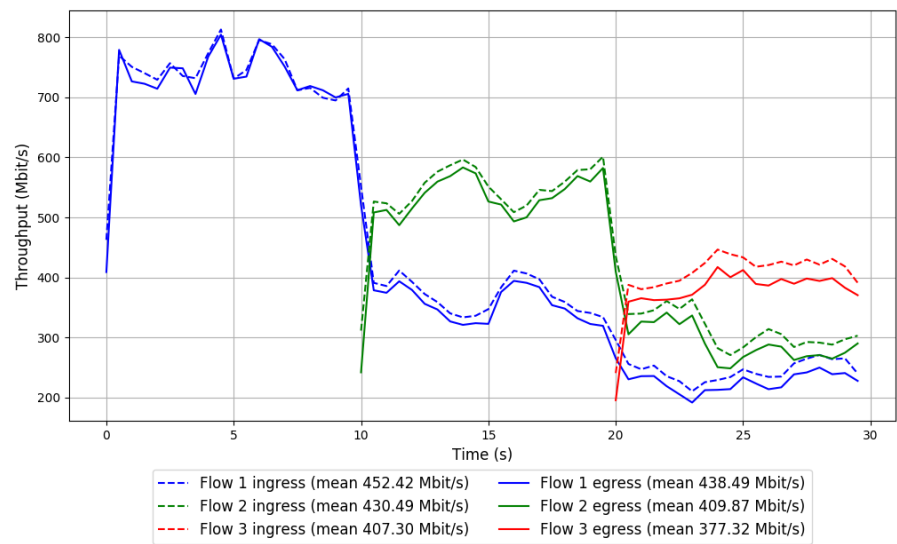
-- Flow 3:

Average throughput: 377.32 Mbit/s

95th percentile per-packet one-way delay: 20.386 ms

Loss rate: 7.36%

Run 9: Report of TCP BBR — Data Link

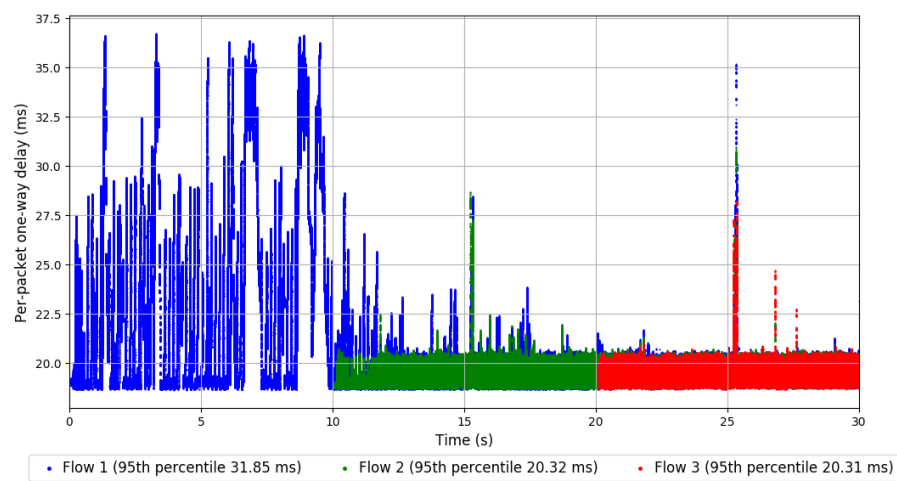
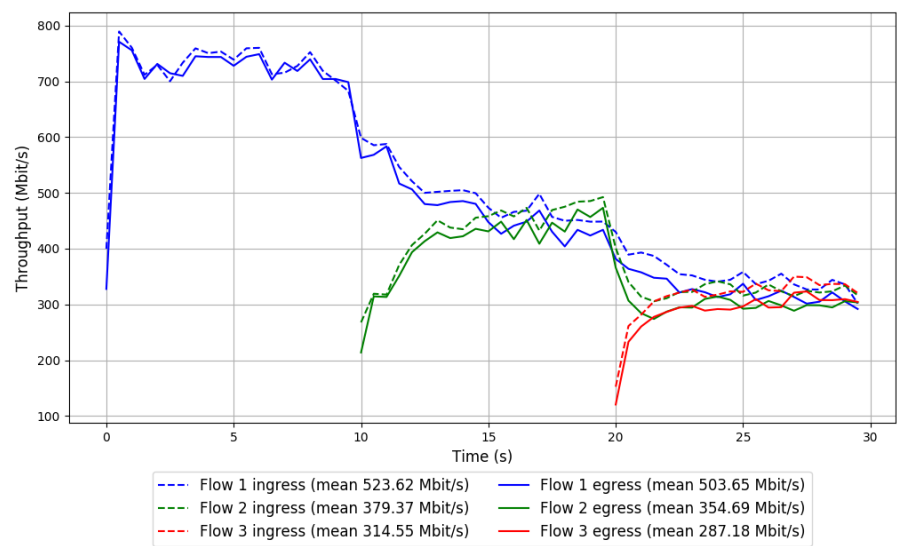


Run 10: Statistics of TCP BBR

Start at: 2018-02-13 23:10:27
End at: 2018-02-13 23:10:57
Local clock offset: 0.966 ms
Remote clock offset: -6.104 ms

Below is generated by plot.py at 2018-02-14 02:19:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 835.07 Mbit/s
95th percentile per-packet one-way delay: 28.586 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 503.65 Mbit/s
95th percentile per-packet one-way delay: 31.849 ms
Loss rate: 3.81%
-- Flow 2:
Average throughput: 354.69 Mbit/s
95th percentile per-packet one-way delay: 20.325 ms
Loss rate: 6.51%
-- Flow 3:
Average throughput: 287.18 Mbit/s
95th percentile per-packet one-way delay: 20.310 ms
Loss rate: 8.68%

Run 10: Report of TCP BBR — Data Link

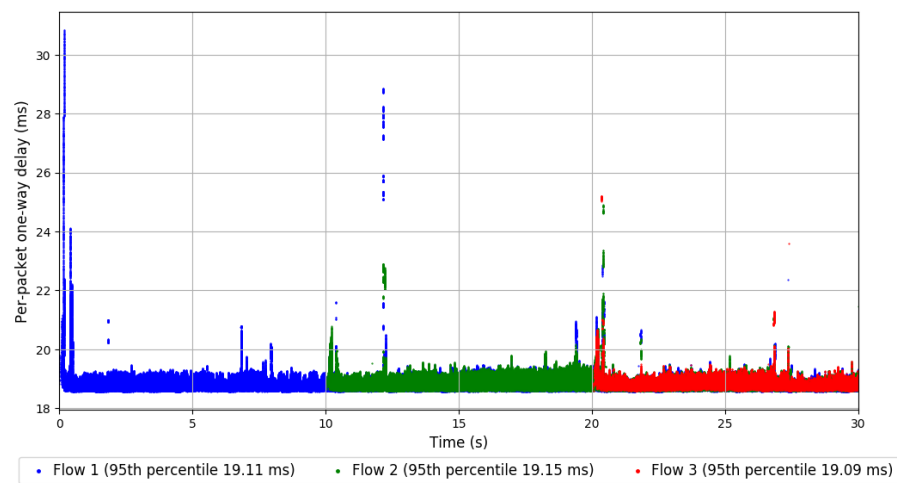
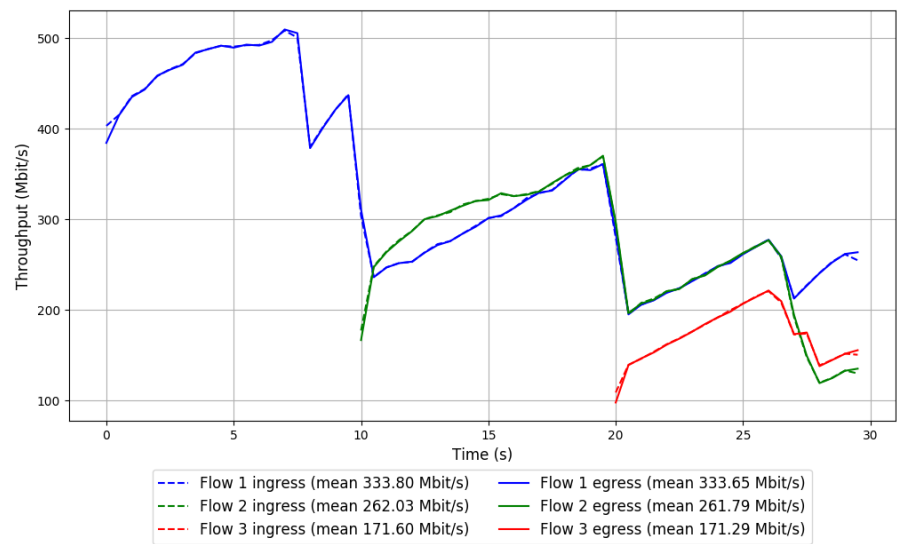


Run 1: Statistics of TCP Cubic

Start at: 2018-02-13 18:47:36
End at: 2018-02-13 18:48:06
Local clock offset: -0.85 ms
Remote clock offset: -6.606 ms

Below is generated by plot.py at 2018-02-14 02:19:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.79 Mbit/s
95th percentile per-packet one-way delay: 19.119 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 333.65 Mbit/s
95th percentile per-packet one-way delay: 19.107 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 261.79 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 171.29 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.20%

Run 1: Report of TCP Cubic — Data Link

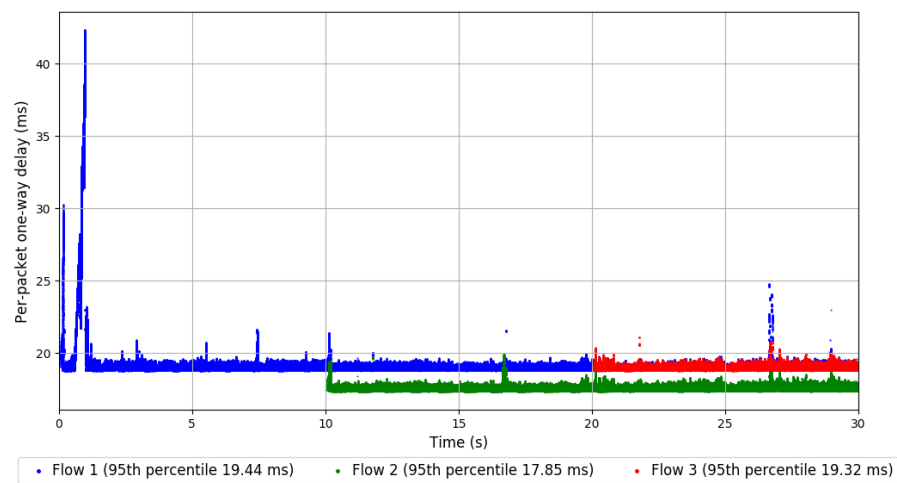
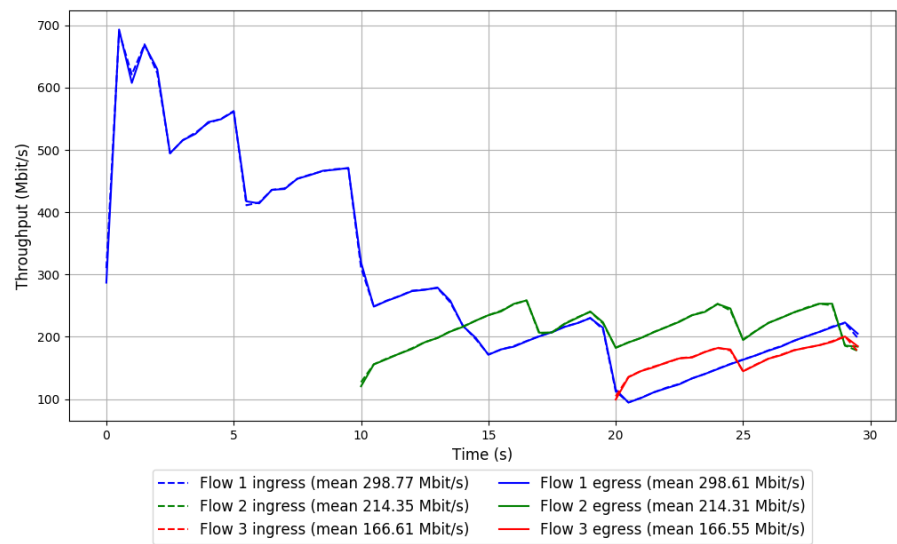


Run 2: Statistics of TCP Cubic

Start at: 2018-02-13 19:17:09
End at: 2018-02-13 19:17:39
Local clock offset: 0.18 ms
Remote clock offset: -6.594 ms

Below is generated by plot.py at 2018-02-14 02:19:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.75 Mbit/s
95th percentile per-packet one-way delay: 19.340 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 298.61 Mbit/s
95th percentile per-packet one-way delay: 19.444 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 214.31 Mbit/s
95th percentile per-packet one-way delay: 17.852 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 166.55 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link

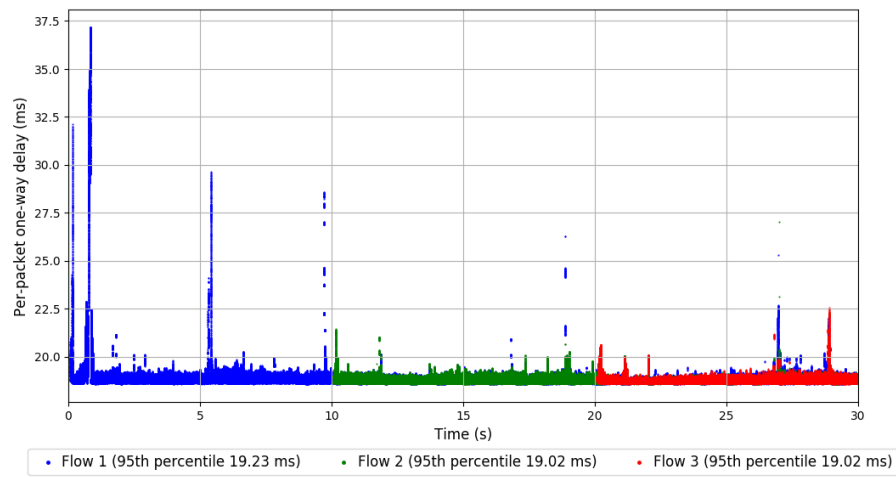
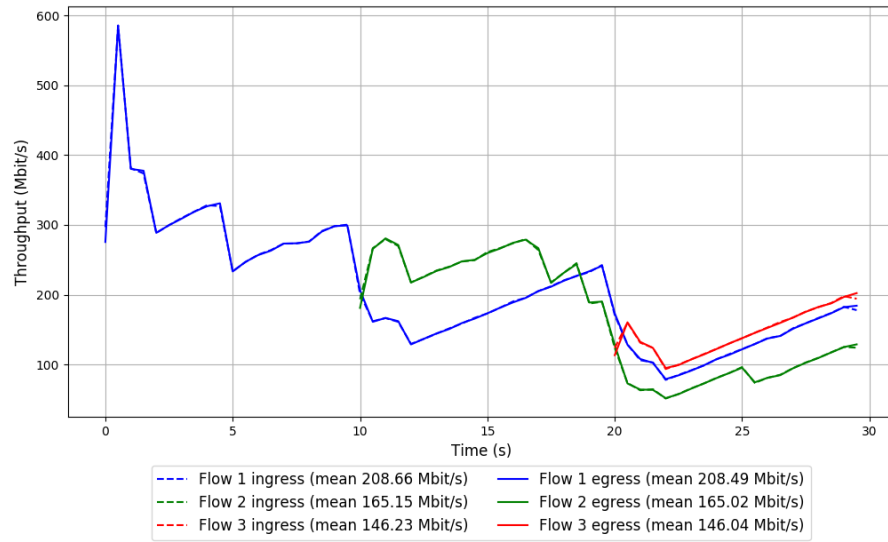


Run 3: Statistics of TCP Cubic

Start at: 2018-02-13 19:46:37
End at: 2018-02-13 19:47:07
Local clock offset: -0.15 ms
Remote clock offset: -6.651 ms

Below is generated by plot.py at 2018-02-14 02:19:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.85 Mbit/s
95th percentile per-packet one-way delay: 19.134 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 208.49 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 165.02 Mbit/s
95th percentile per-packet one-way delay: 19.021 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 146.04 Mbit/s
95th percentile per-packet one-way delay: 19.023 ms
Loss rate: 0.15%

Run 3: Report of TCP Cubic — Data Link

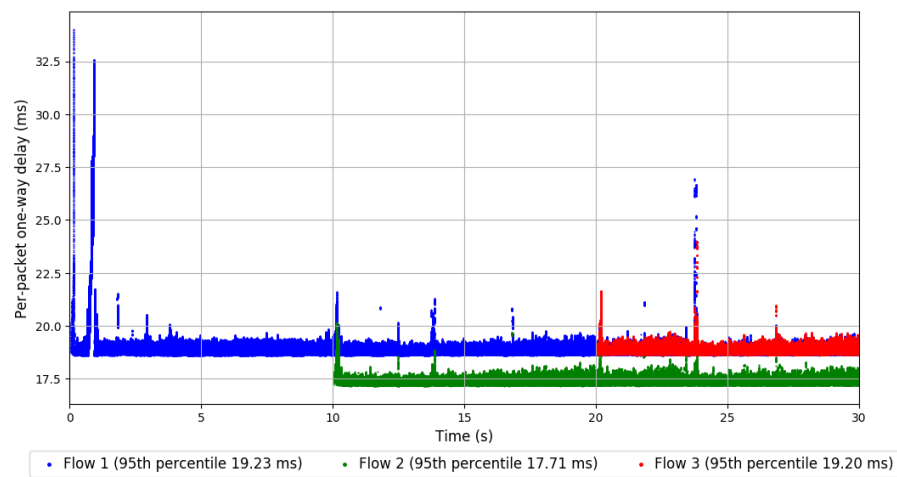
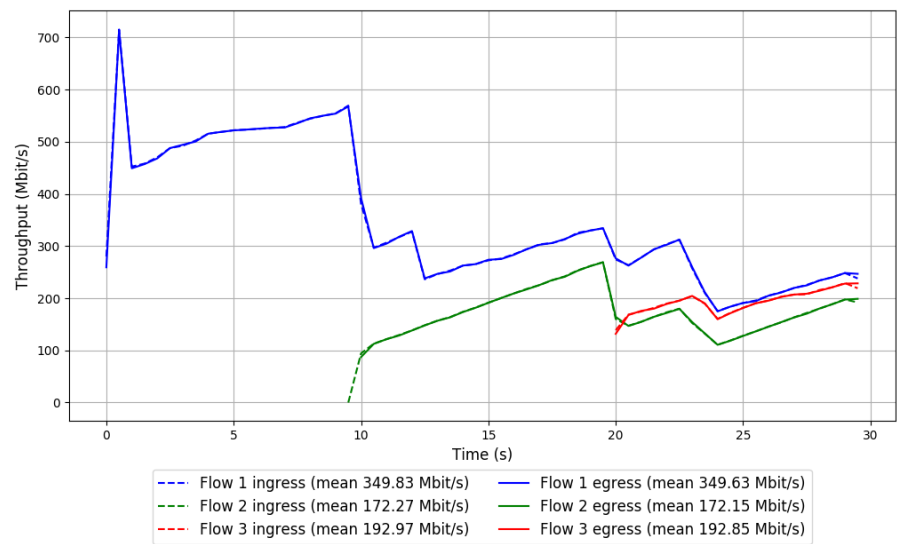


Run 4: Statistics of TCP Cubic

Start at: 2018-02-13 20:16:11
End at: 2018-02-13 20:16:41
Local clock offset: -0.374 ms
Remote clock offset: -6.798 ms

Below is generated by plot.py at 2018-02-14 02:19:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.46 Mbit/s
95th percentile per-packet one-way delay: 19.183 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 349.63 Mbit/s
95th percentile per-packet one-way delay: 19.226 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 172.15 Mbit/s
95th percentile per-packet one-way delay: 17.706 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 192.85 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

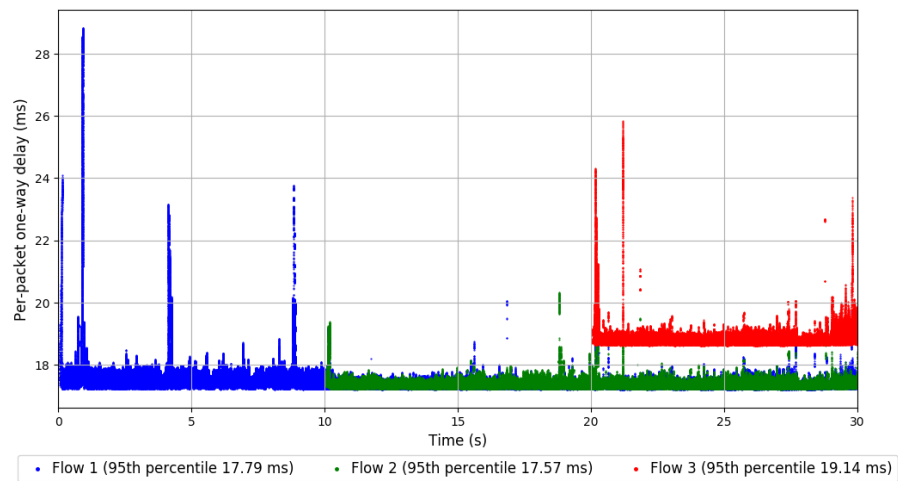
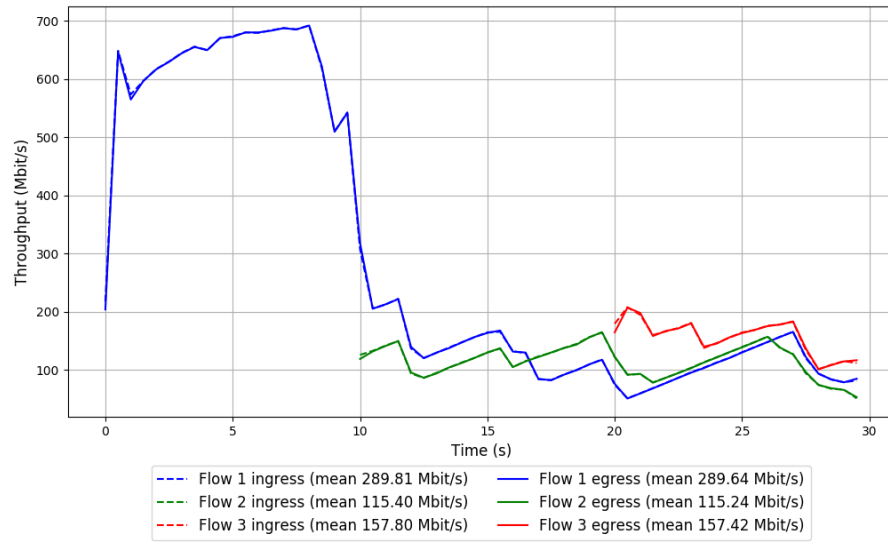


Run 5: Statistics of TCP Cubic

Start at: 2018-02-13 20:45:26
End at: 2018-02-13 20:45:56
Local clock offset: -0.167 ms
Remote clock offset: -5.884 ms

Below is generated by plot.py at 2018-02-14 02:19:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.76 Mbit/s
95th percentile per-packet one-way delay: 18.853 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 289.64 Mbit/s
95th percentile per-packet one-way delay: 17.788 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 115.24 Mbit/s
95th percentile per-packet one-way delay: 17.572 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 157.42 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.24%

Run 5: Report of TCP Cubic — Data Link

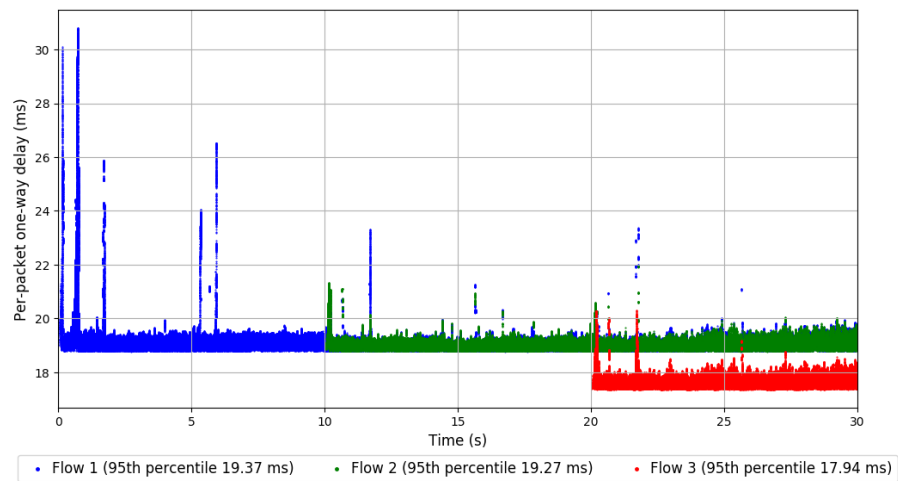
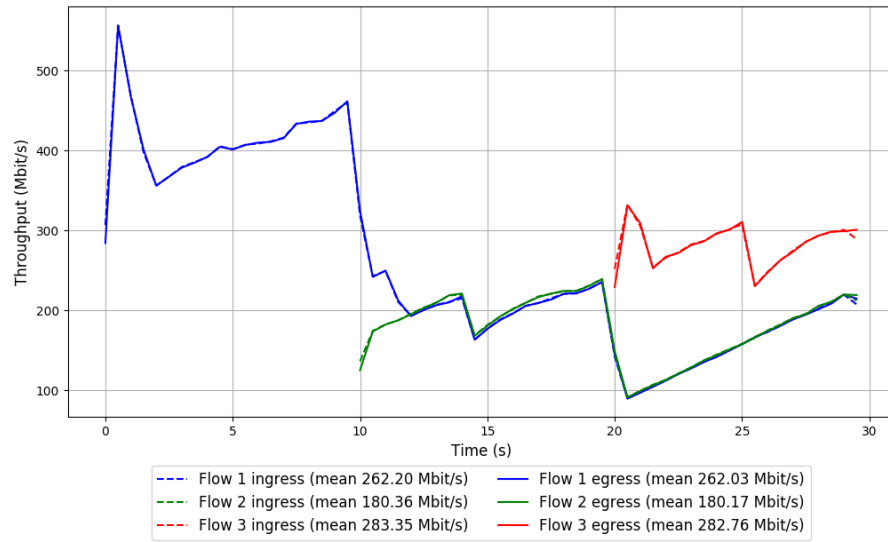


Run 6: Statistics of TCP Cubic

Start at: 2018-02-13 21:14:43
End at: 2018-02-13 21:15:13
Local clock offset: -0.114 ms
Remote clock offset: -5.349 ms

Below is generated by plot.py at 2018-02-14 02:19:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 476.02 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 262.03 Mbit/s
95th percentile per-packet one-way delay: 19.367 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 180.17 Mbit/s
95th percentile per-packet one-way delay: 19.275 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 282.76 Mbit/s
95th percentile per-packet one-way delay: 17.939 ms
Loss rate: 0.21%

Run 6: Report of TCP Cubic — Data Link

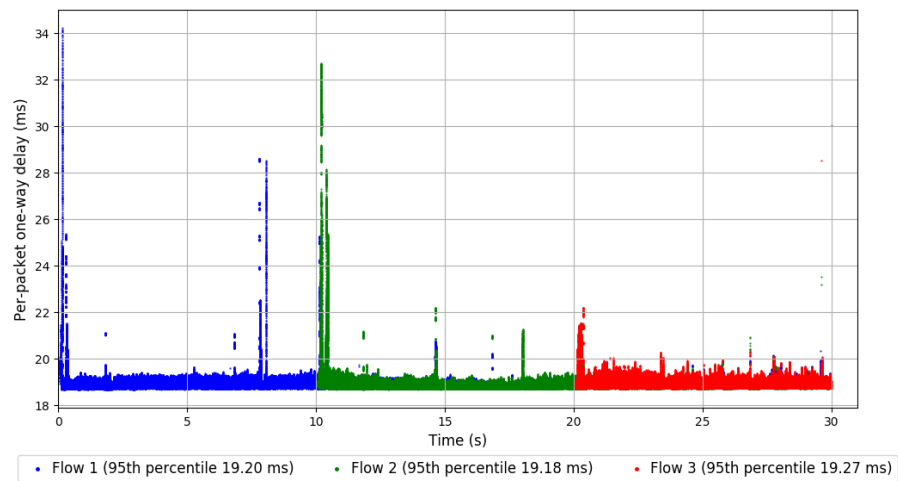
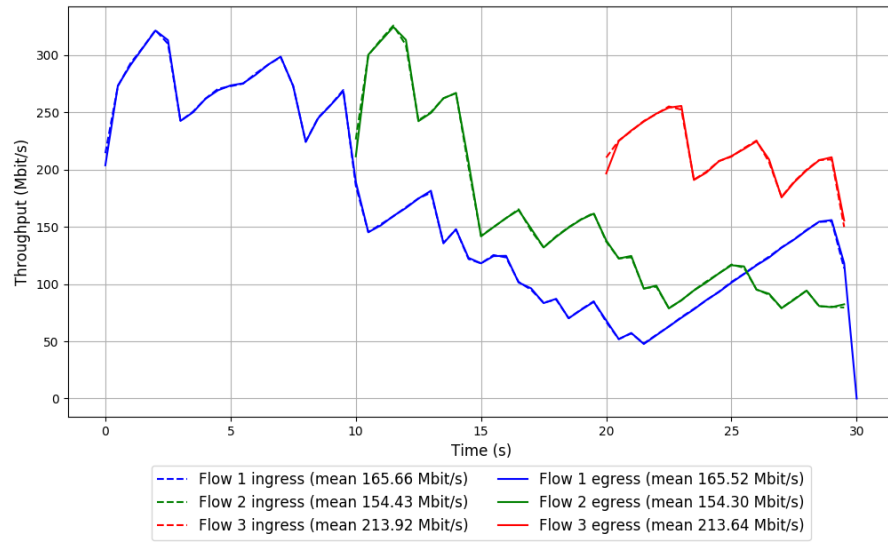


Run 7: Statistics of TCP Cubic

Start at: 2018-02-13 21:44:03
End at: 2018-02-13 21:44:33
Local clock offset: 0.352 ms
Remote clock offset: -5.567 ms

Below is generated by plot.py at 2018-02-14 02:19:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.14 Mbit/s
95th percentile per-packet one-way delay: 19.211 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 165.52 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 154.30 Mbit/s
95th percentile per-packet one-way delay: 19.185 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 213.64 Mbit/s
95th percentile per-packet one-way delay: 19.273 ms
Loss rate: 0.14%

Run 7: Report of TCP Cubic — Data Link

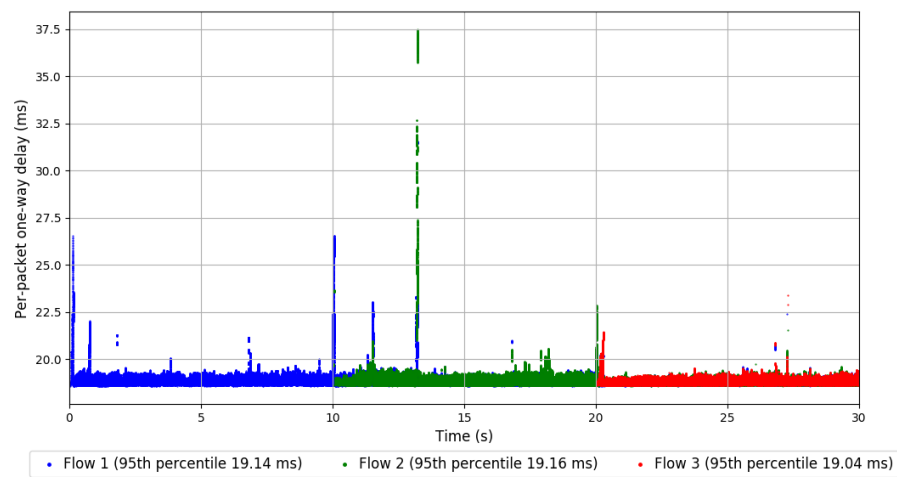
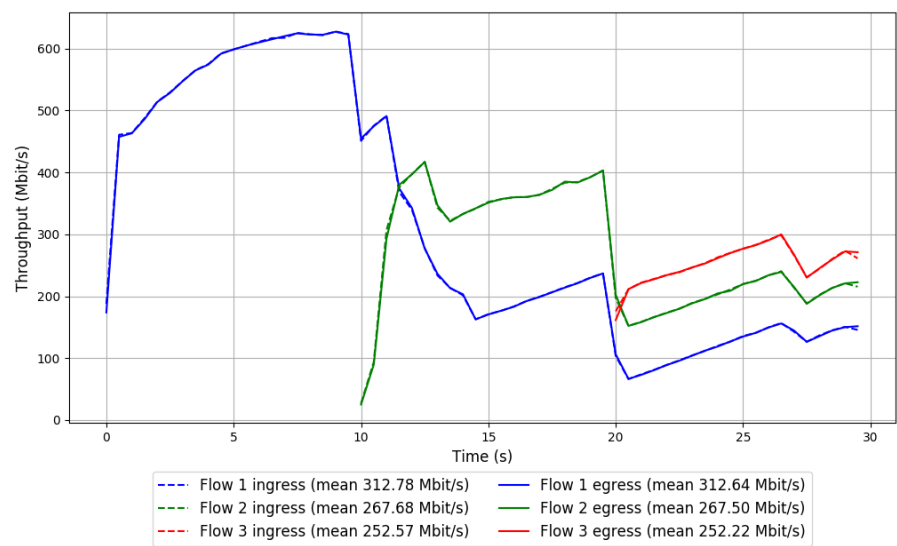


Run 8: Statistics of TCP Cubic

Start at: 2018-02-13 22:13:23
End at: 2018-02-13 22:13:53
Local clock offset: 0.603 ms
Remote clock offset: -6.505 ms

Below is generated by plot.py at 2018-02-14 02:21:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 574.62 Mbit/s
95th percentile per-packet one-way delay: 19.136 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 312.64 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 267.50 Mbit/s
95th percentile per-packet one-way delay: 19.156 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 252.22 Mbit/s
95th percentile per-packet one-way delay: 19.042 ms
Loss rate: 0.14%

Run 8: Report of TCP Cubic — Data Link

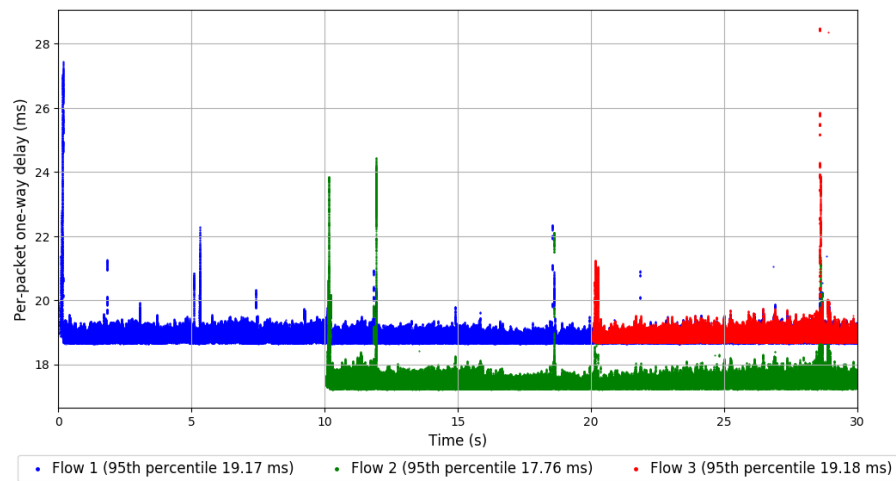
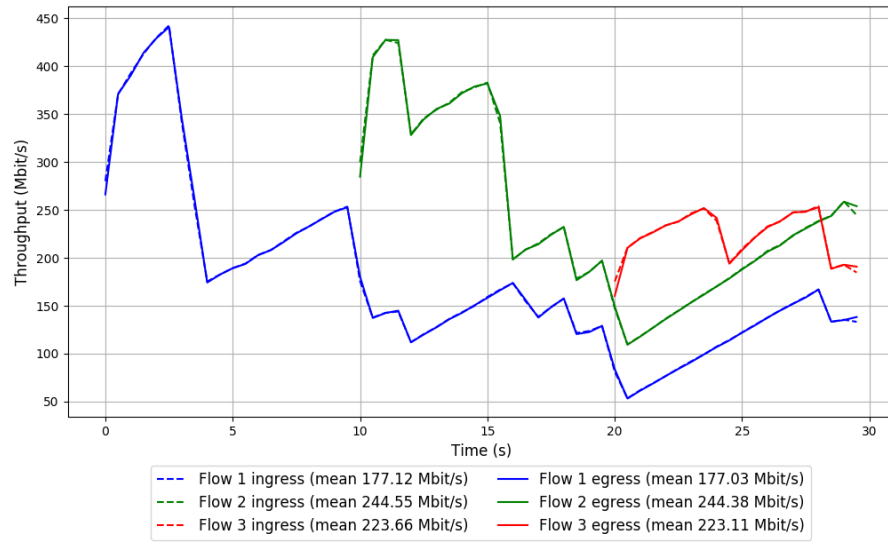


Run 9: Statistics of TCP Cubic

Start at: 2018-02-13 22:42:54
End at: 2018-02-13 22:43:24
Local clock offset: 1.162 ms
Remote clock offset: -4.996 ms

Below is generated by plot.py at 2018-02-14 02:21:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 413.99 Mbit/s
95th percentile per-packet one-way delay: 19.129 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 177.03 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 244.38 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 223.11 Mbit/s
95th percentile per-packet one-way delay: 19.183 ms
Loss rate: 0.25%

Run 9: Report of TCP Cubic — Data Link

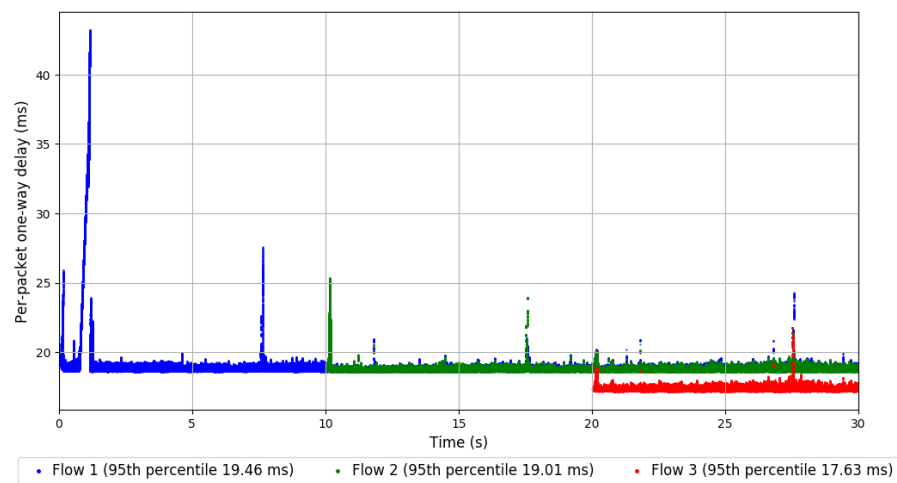
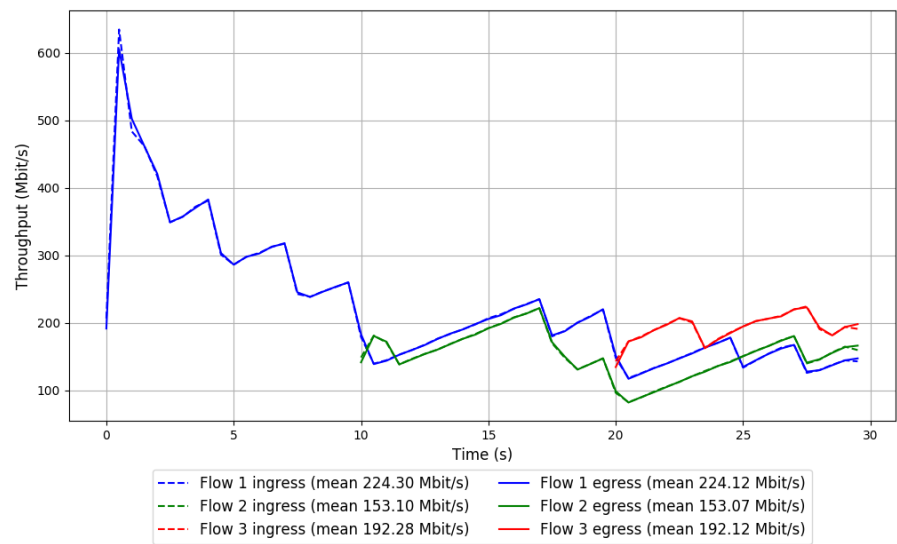


Run 10: Statistics of TCP Cubic

Start at: 2018-02-13 23:12:25
End at: 2018-02-13 23:12:55
Local clock offset: 0.9 ms
Remote clock offset: -6.243 ms

Below is generated by plot.py at 2018-02-14 02:21:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 389.99 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 224.12 Mbit/s
95th percentile per-packet one-way delay: 19.464 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 153.07 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 192.12 Mbit/s
95th percentile per-packet one-way delay: 17.626 ms
Loss rate: 0.08%

Run 10: Report of TCP Cubic — Data Link

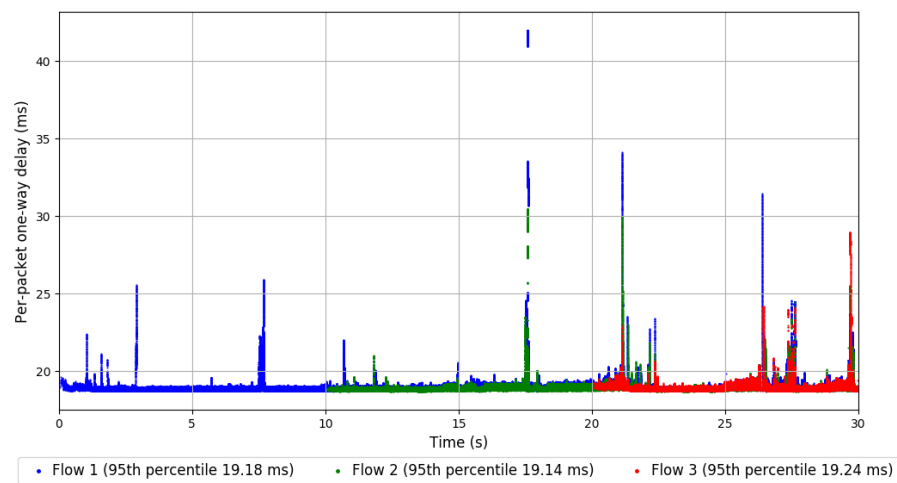
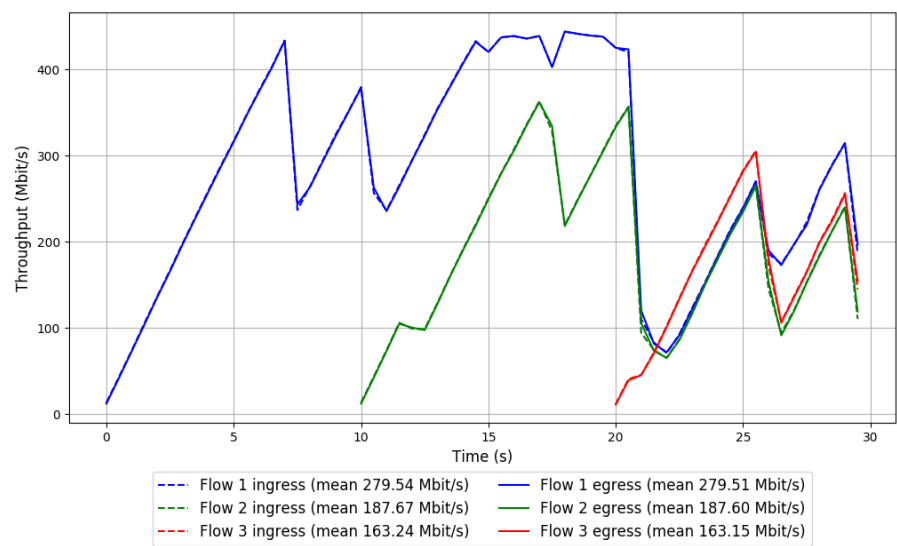


```
Run 1: Statistics of LEDBAT

Start at: 2018-02-13 18:43:59
End at: 2018-02-13 18:44:29
Local clock offset: -0.893 ms
Remote clock offset: -6.528 ms

# Below is generated by plot.py at 2018-02-14 02:21:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 458.41 Mbit/s
95th percentile per-packet one-way delay: 19.175 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 279.51 Mbit/s
95th percentile per-packet one-way delay: 19.175 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 187.60 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 163.15 Mbit/s
95th percentile per-packet one-way delay: 19.241 ms
Loss rate: 0.06%
```


Run 1: Report of LEDBAT — Data Link

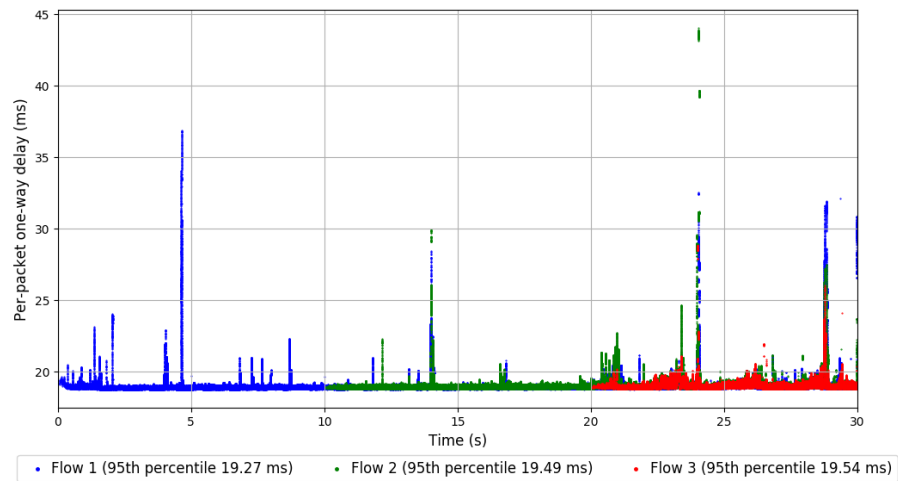
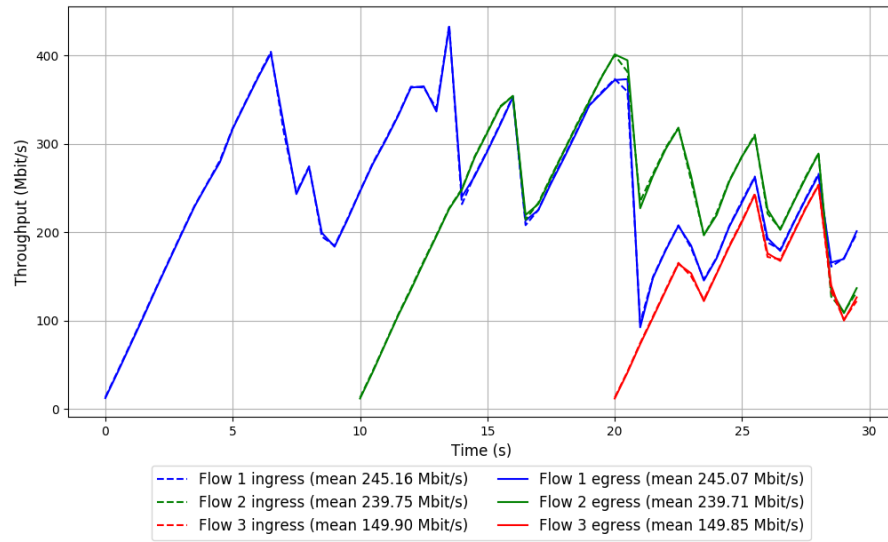


Run 2: Statistics of LEDBAT

Start at: 2018-02-13 19:13:32
End at: 2018-02-13 19:14:02
Local clock offset: -0.002 ms
Remote clock offset: -6.591 ms

Below is generated by plot.py at 2018-02-14 02:22:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.46 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 245.07 Mbit/s
95th percentile per-packet one-way delay: 19.273 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 239.71 Mbit/s
95th percentile per-packet one-way delay: 19.492 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 149.85 Mbit/s
95th percentile per-packet one-way delay: 19.541 ms
Loss rate: 0.04%

Run 2: Report of LEDBAT — Data Link

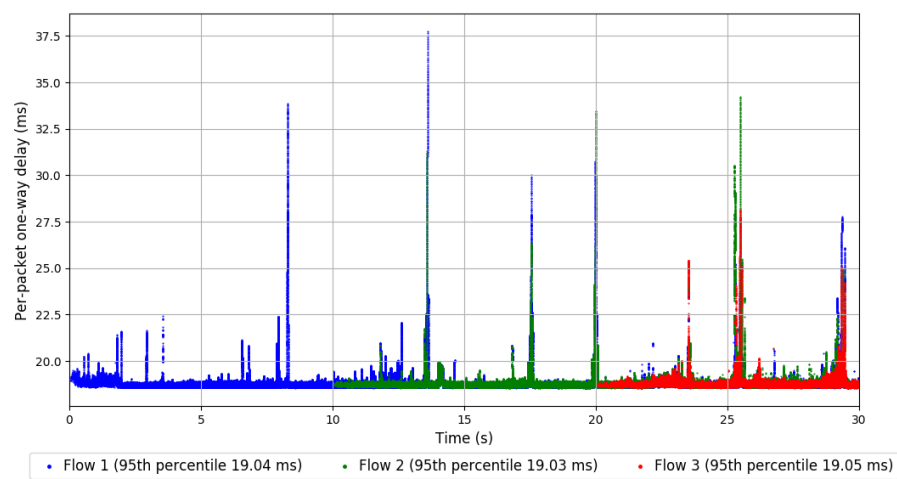
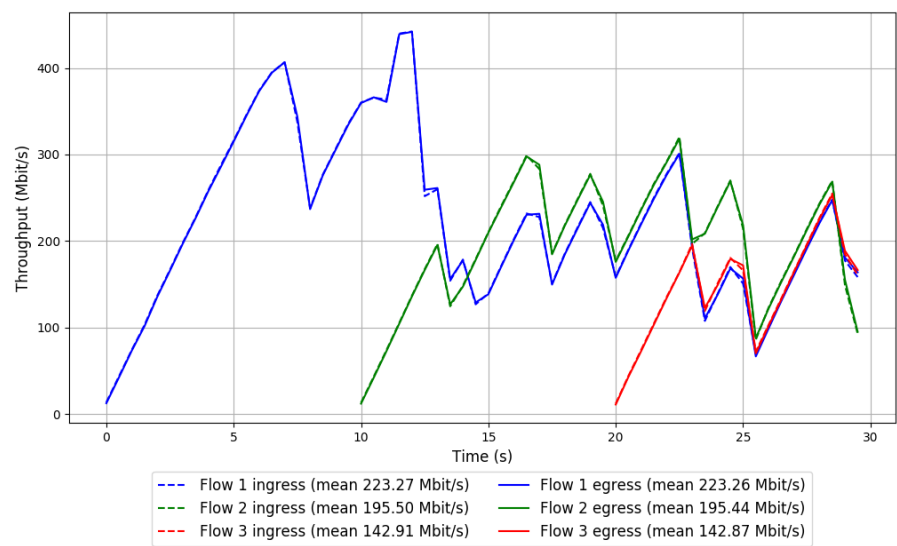


Run 3: Statistics of LEDBAT

Start at: 2018-02-13 19:43:02
End at: 2018-02-13 19:43:32
Local clock offset: -0.019 ms
Remote clock offset: -6.633 ms

Below is generated by plot.py at 2018-02-14 02:23:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.80 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 223.26 Mbit/s
95th percentile per-packet one-way delay: 19.043 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 195.44 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 142.87 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.05%

Run 3: Report of LEDBAT — Data Link

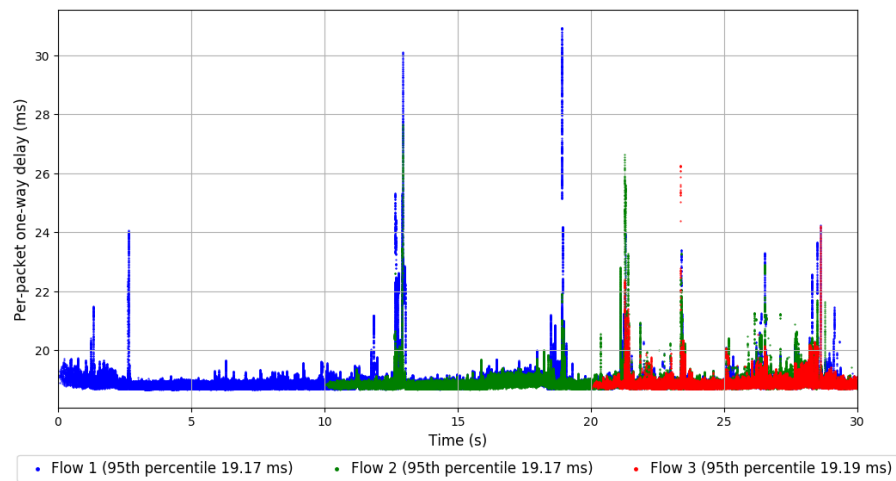
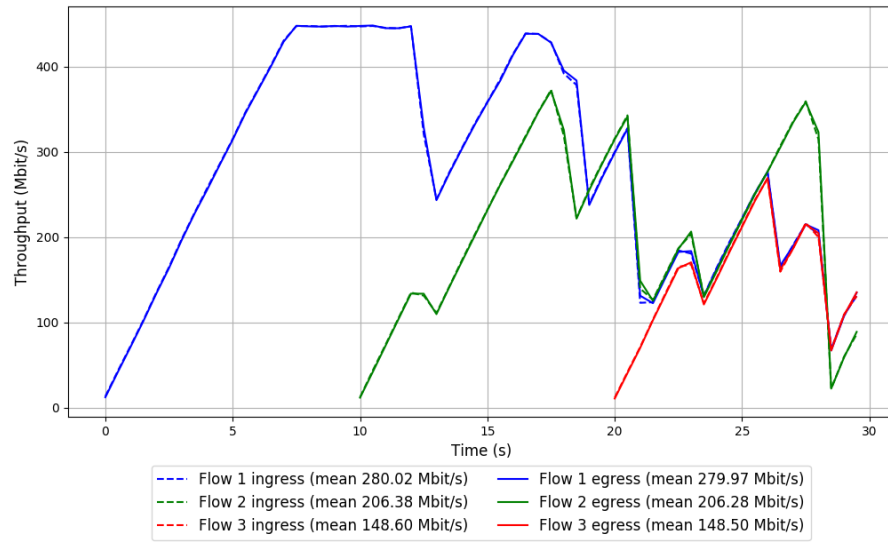


Run 4: Statistics of LEDBAT

Start at: 2018-02-13 20:12:33
End at: 2018-02-13 20:13:03
Local clock offset: -0.529 ms
Remote clock offset: -6.716 ms

Below is generated by plot.py at 2018-02-14 02:25:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 466.46 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 279.97 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 206.28 Mbit/s
95th percentile per-packet one-way delay: 19.172 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 148.50 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link

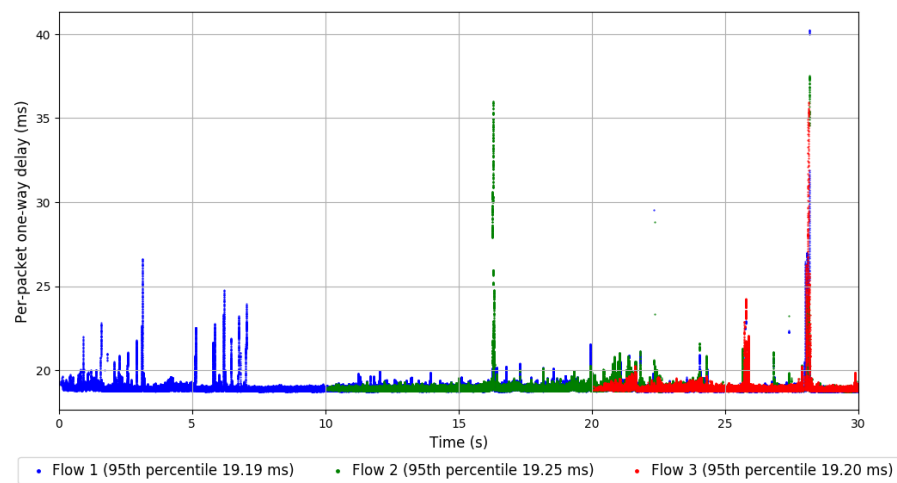
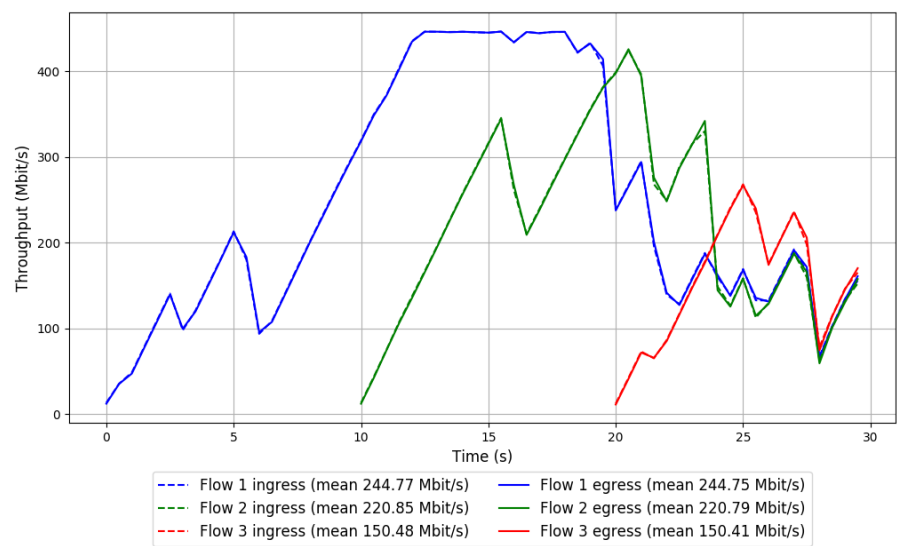


Run 5: Statistics of LEDBAT

Start at: 2018-02-13 20:41:48
End at: 2018-02-13 20:42:18
Local clock offset: -0.206 ms
Remote clock offset: -5.959 ms

Below is generated by plot.py at 2018-02-14 02:25:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 441.66 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 244.75 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 220.79 Mbit/s
95th percentile per-packet one-way delay: 19.247 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 150.41 Mbit/s
95th percentile per-packet one-way delay: 19.199 ms
Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link

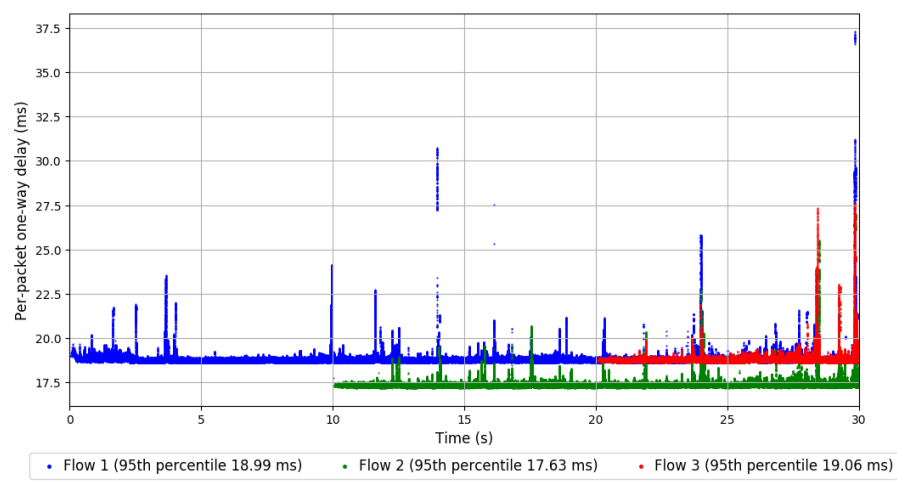
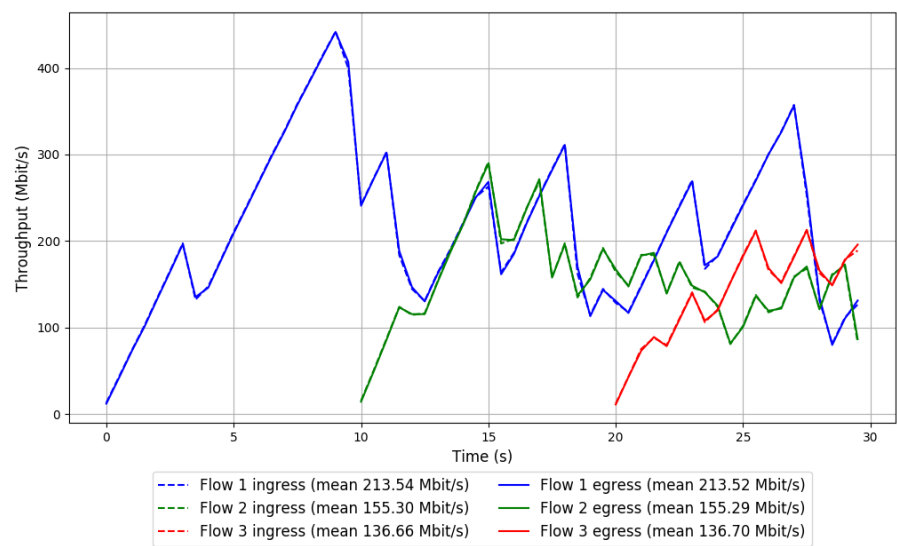


Run 6: Statistics of LEDBAT

Start at: 2018-02-13 21:11:10
End at: 2018-02-13 21:11:40
Local clock offset: -0.017 ms
Remote clock offset: -5.403 ms

Below is generated by plot.py at 2018-02-14 02:25:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.23 Mbit/s
95th percentile per-packet one-way delay: 18.955 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 213.52 Mbit/s
95th percentile per-packet one-way delay: 18.994 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 155.29 Mbit/s
95th percentile per-packet one-way delay: 17.627 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 136.70 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link

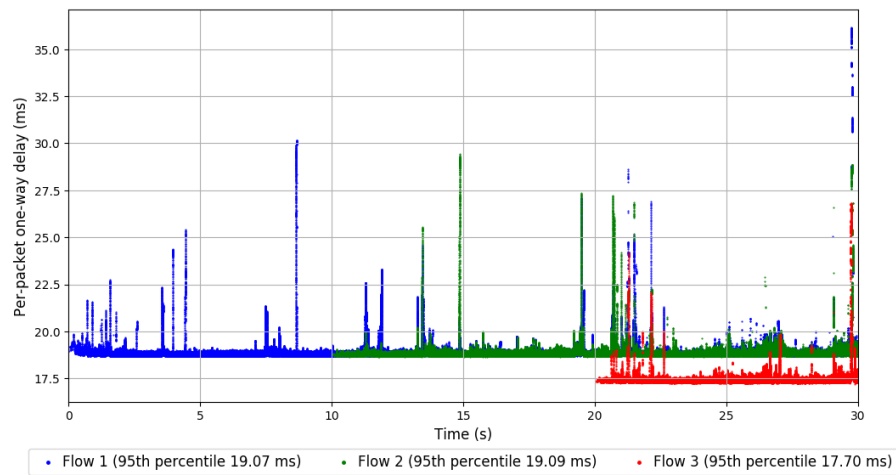
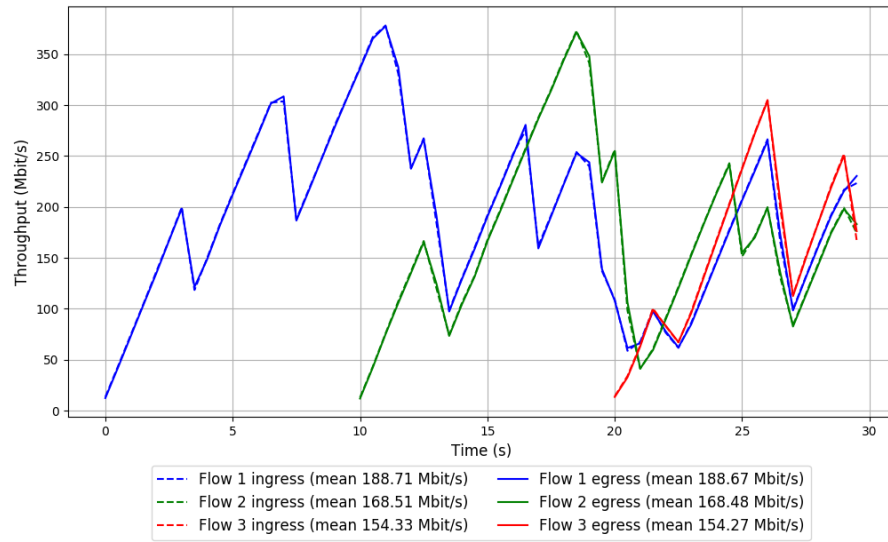


Run 7: Statistics of LEDBAT

Start at: 2018-02-13 21:40:32
End at: 2018-02-13 21:41:03
Local clock offset: 0.328 ms
Remote clock offset: -5.267 ms

Below is generated by plot.py at 2018-02-14 02:25:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.01 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 188.67 Mbit/s
95th percentile per-packet one-way delay: 19.072 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 168.48 Mbit/s
95th percentile per-packet one-way delay: 19.088 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 154.27 Mbit/s
95th percentile per-packet one-way delay: 17.699 ms
Loss rate: 0.03%

Run 7: Report of LEDBAT — Data Link

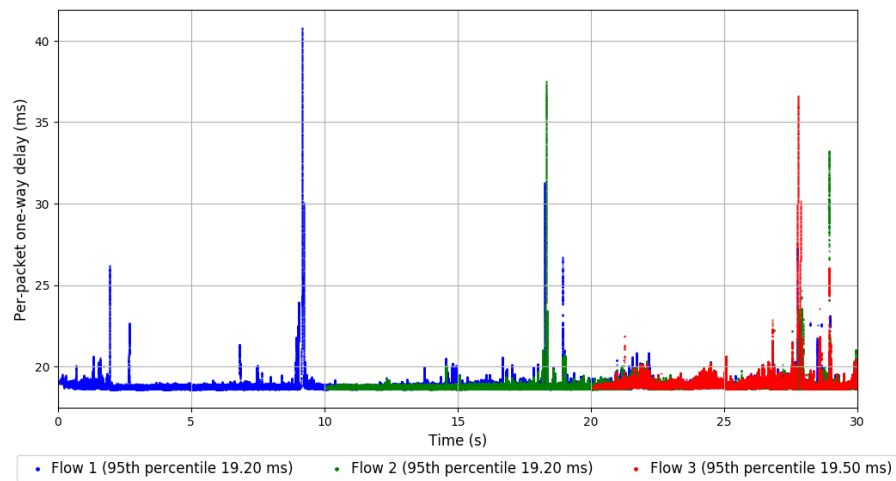
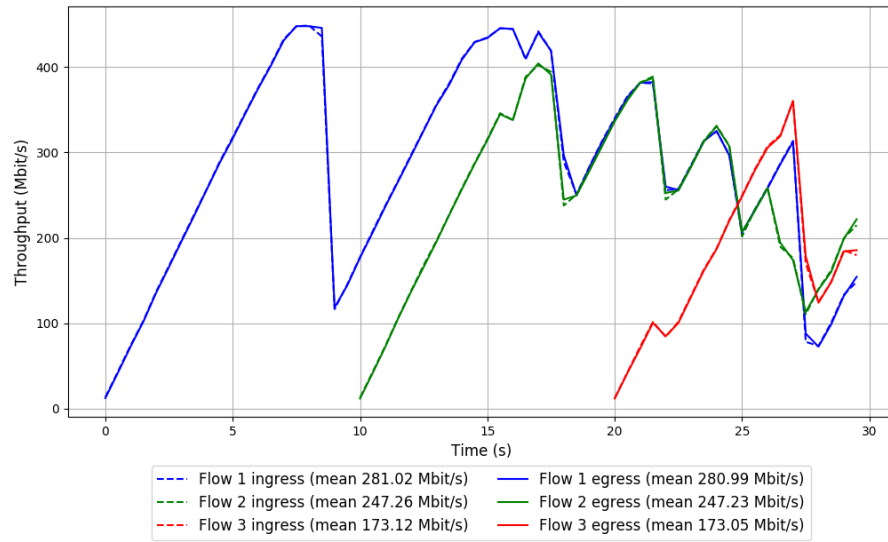


Run 8: Statistics of LEDBAT

Start at: 2018-02-13 22:09:44
End at: 2018-02-13 22:10:14
Local clock offset: 0.558 ms
Remote clock offset: -6.467 ms

Below is generated by plot.py at 2018-02-14 02:28:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 502.89 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 280.99 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 247.23 Mbit/s
95th percentile per-packet one-way delay: 19.204 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 173.05 Mbit/s
95th percentile per-packet one-way delay: 19.503 ms
Loss rate: 0.05%

Run 8: Report of LEDBAT — Data Link

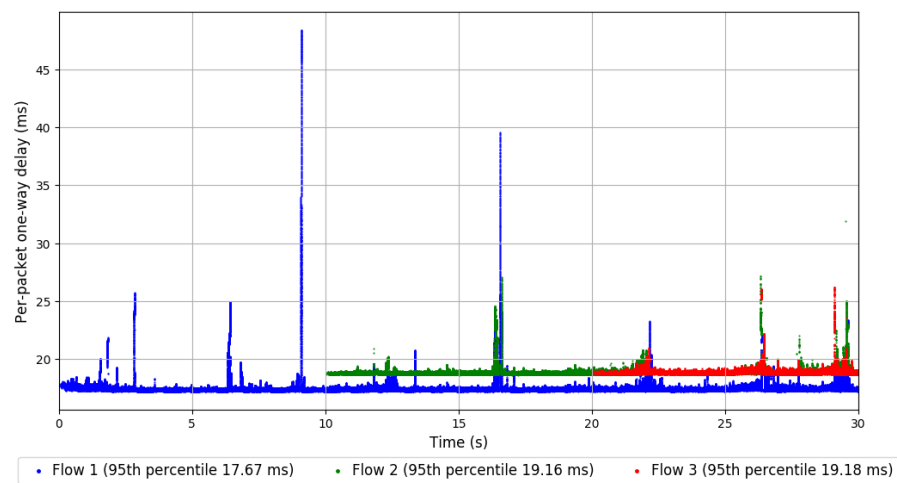
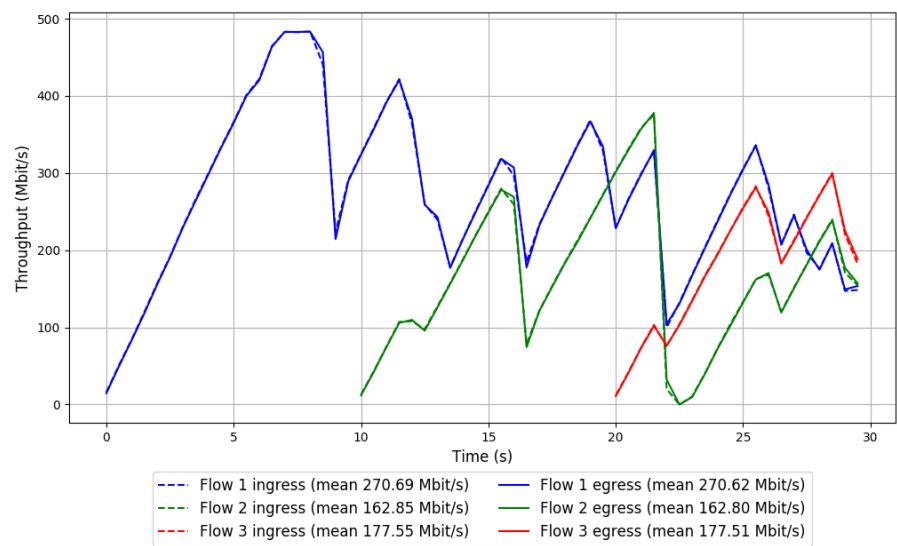


Run 9: Statistics of LEDBAT

Start at: 2018-02-13 22:39:16
End at: 2018-02-13 22:39:46
Local clock offset: 1.083 ms
Remote clock offset: -5.045 ms

Below is generated by plot.py at 2018-02-14 02:28:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 437.93 Mbit/s
95th percentile per-packet one-way delay: 19.032 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 270.62 Mbit/s
95th percentile per-packet one-way delay: 17.671 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 162.80 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 177.51 Mbit/s
95th percentile per-packet one-way delay: 19.175 ms
Loss rate: 0.03%

Run 9: Report of LEDBAT — Data Link

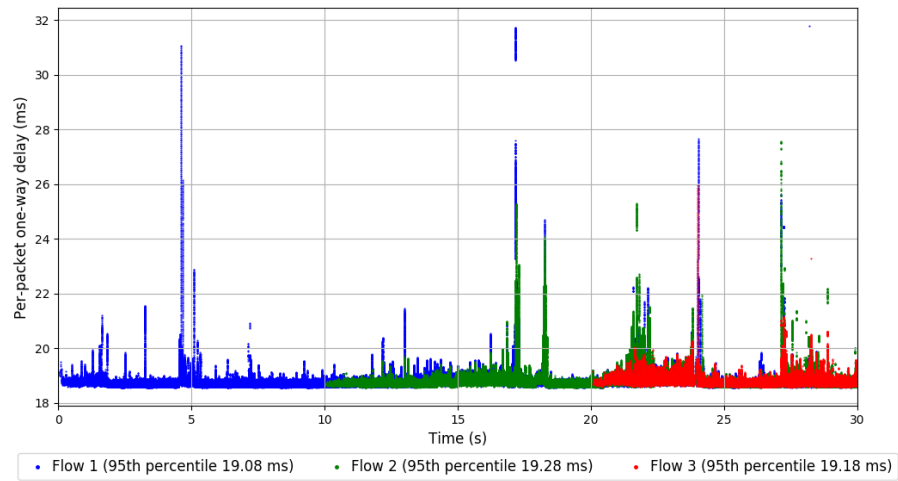
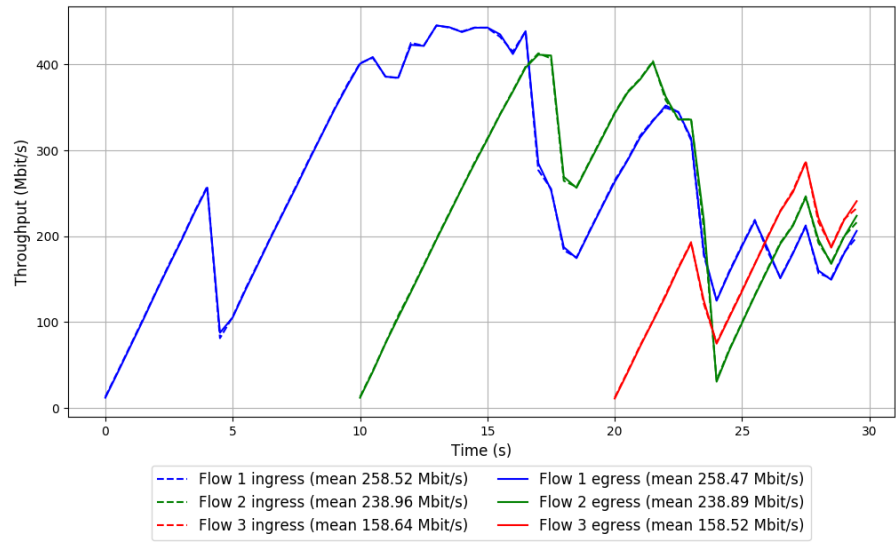


Run 10: Statistics of LEDBAT

Start at: 2018-02-13 23:08:45
End at: 2018-02-13 23:09:15
Local clock offset: 1.008 ms
Remote clock offset: -6.169 ms

Below is generated by plot.py at 2018-02-14 02:28:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.13 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 258.47 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 238.89 Mbit/s
95th percentile per-packet one-way delay: 19.279 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 158.52 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

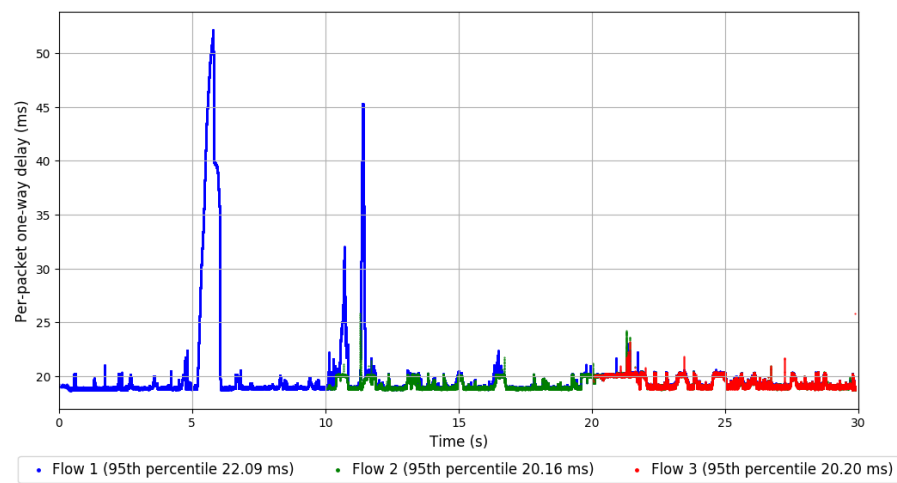
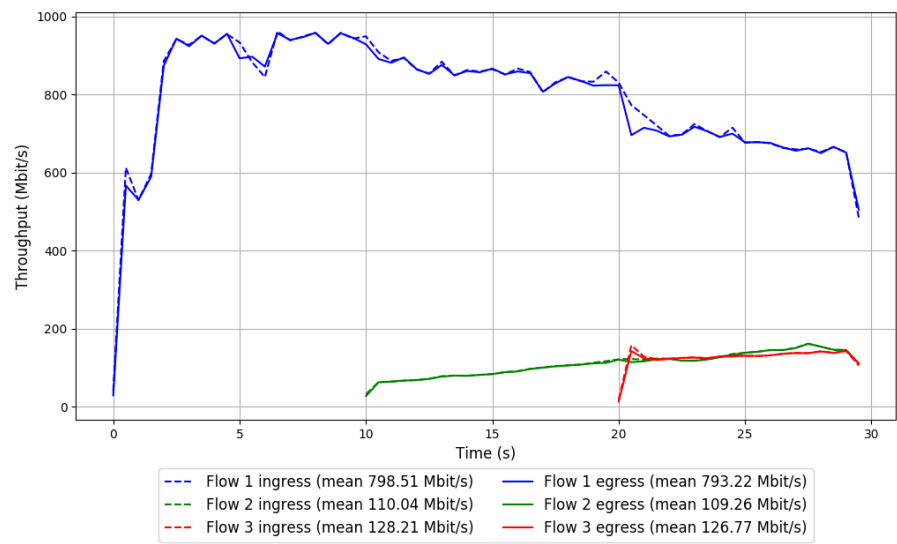


```
Run 1: Statistics of PCC

Start at: 2018-02-13 18:37:35
End at: 2018-02-13 18:38:05
Local clock offset: -0.805 ms
Remote clock offset: -6.292 ms

# Below is generated by plot.py at 2018-02-14 02:35:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 907.38 Mbit/s
95th percentile per-packet one-way delay: 20.942 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 793.22 Mbit/s
95th percentile per-packet one-way delay: 22.092 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 109.26 Mbit/s
95th percentile per-packet one-way delay: 20.160 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 126.77 Mbit/s
95th percentile per-packet one-way delay: 20.201 ms
Loss rate: 1.08%
```

Run 1: Report of PCC — Data Link

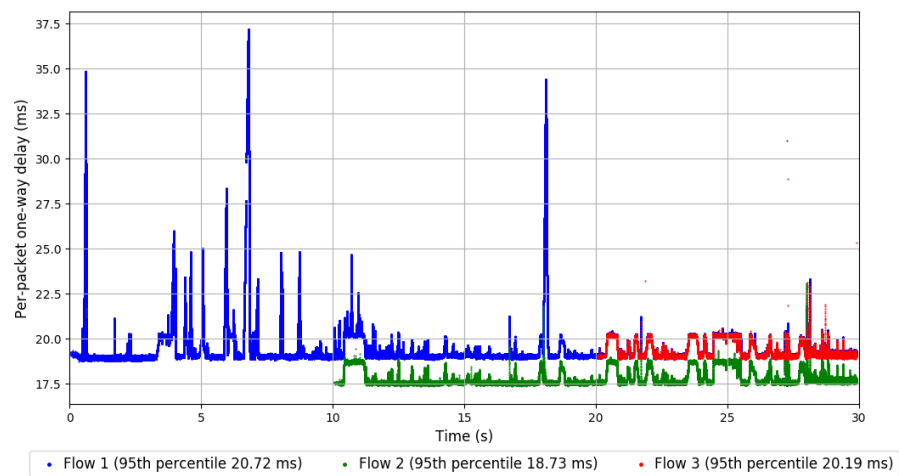
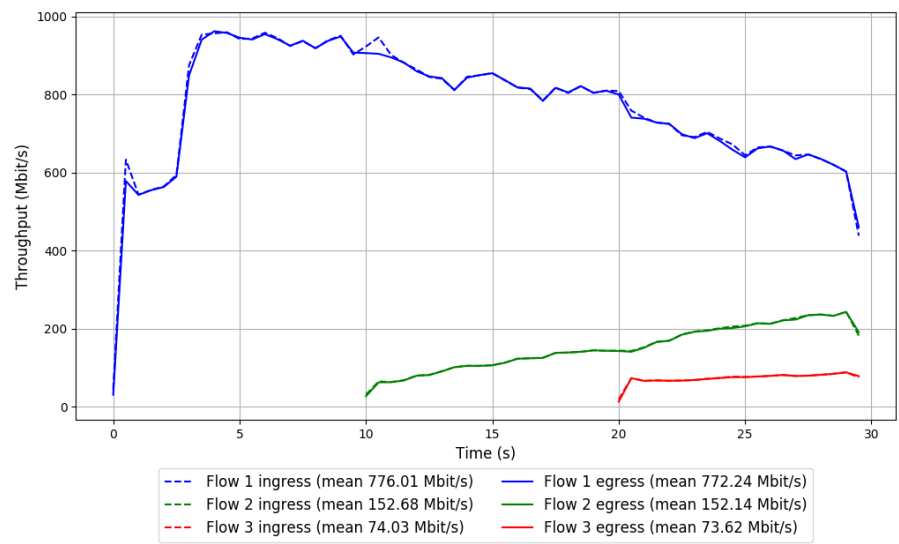


Run 2: Statistics of PCC

Start at: 2018-02-13 19:07:08
End at: 2018-02-13 19:07:38
Local clock offset: -0.46 ms
Remote clock offset: -6.606 ms

Below is generated by plot.py at 2018-02-14 02:37:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 897.46 Mbit/s
95th percentile per-packet one-way delay: 20.361 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 772.24 Mbit/s
95th percentile per-packet one-way delay: 20.719 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 152.14 Mbit/s
95th percentile per-packet one-way delay: 18.727 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 73.62 Mbit/s
95th percentile per-packet one-way delay: 20.190 ms
Loss rate: 0.51%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-13 19:36:44

End at: 2018-02-13 19:37:14

Local clock offset: 0.288 ms

Remote clock offset: -6.62 ms

Below is generated by plot.py at 2018-02-14 02:37:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 888.00 Mbit/s

95th percentile per-packet one-way delay: 20.126 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 755.52 Mbit/s

95th percentile per-packet one-way delay: 20.157 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 123.44 Mbit/s

95th percentile per-packet one-way delay: 20.015 ms

Loss rate: 0.48%

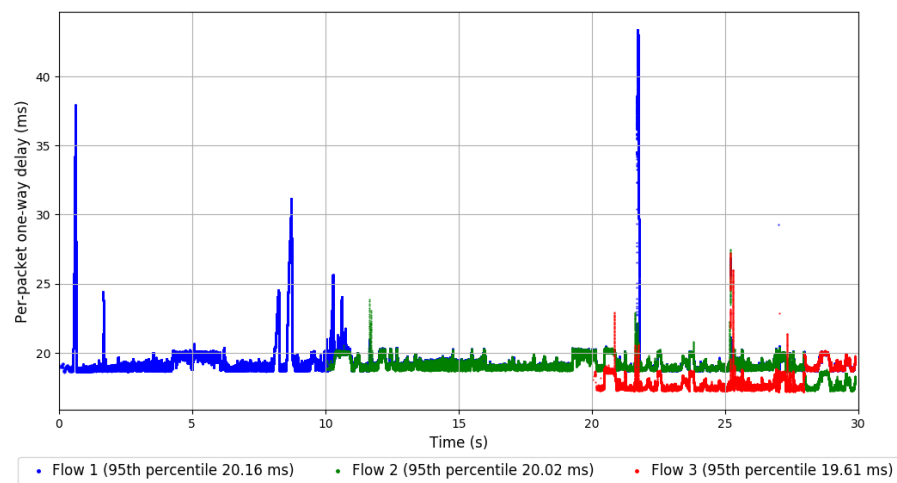
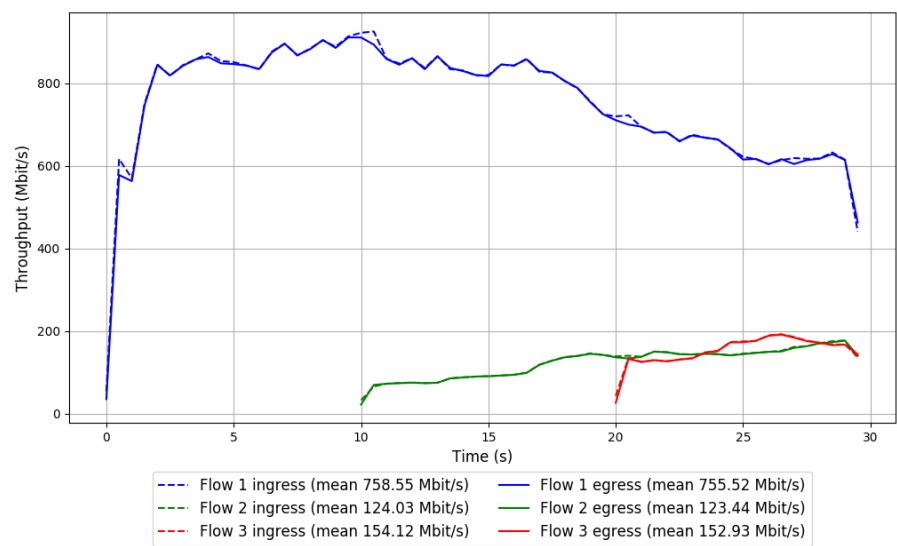
-- Flow 3:

Average throughput: 152.93 Mbit/s

95th percentile per-packet one-way delay: 19.607 ms

Loss rate: 0.77%

Run 3: Report of PCC — Data Link

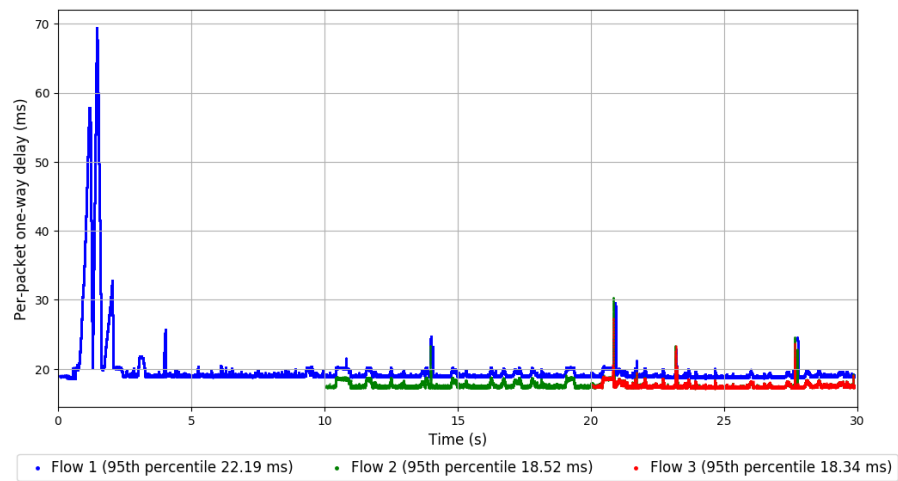
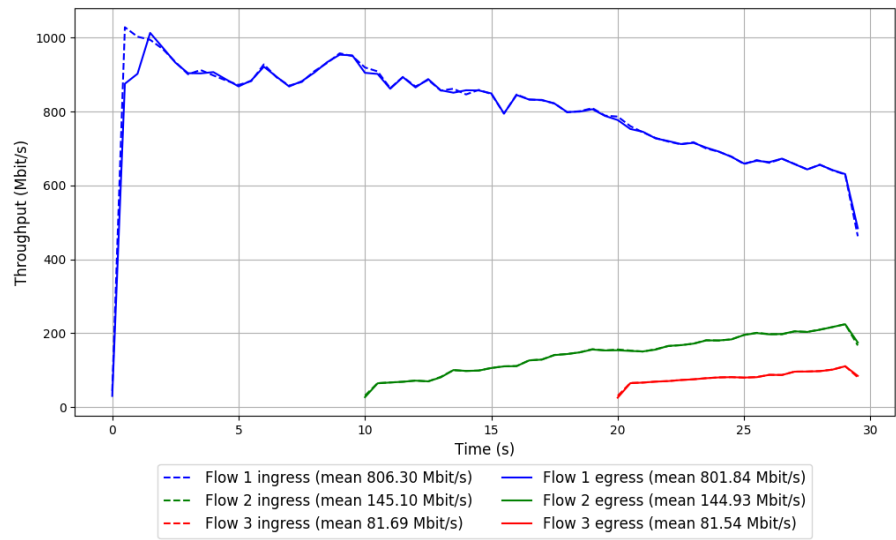


Run 4: Statistics of PCC

Start at: 2018-02-13 20:06:11
End at: 2018-02-13 20:06:41
Local clock offset: -0.638 ms
Remote clock offset: -6.745 ms

Below is generated by plot.py at 2018-02-14 02:38:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 925.10 Mbit/s
95th percentile per-packet one-way delay: 21.545 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 801.84 Mbit/s
95th percentile per-packet one-way delay: 22.190 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 144.93 Mbit/s
95th percentile per-packet one-way delay: 18.521 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 81.54 Mbit/s
95th percentile per-packet one-way delay: 18.344 ms
Loss rate: 0.19%

Run 4: Report of PCC — Data Link

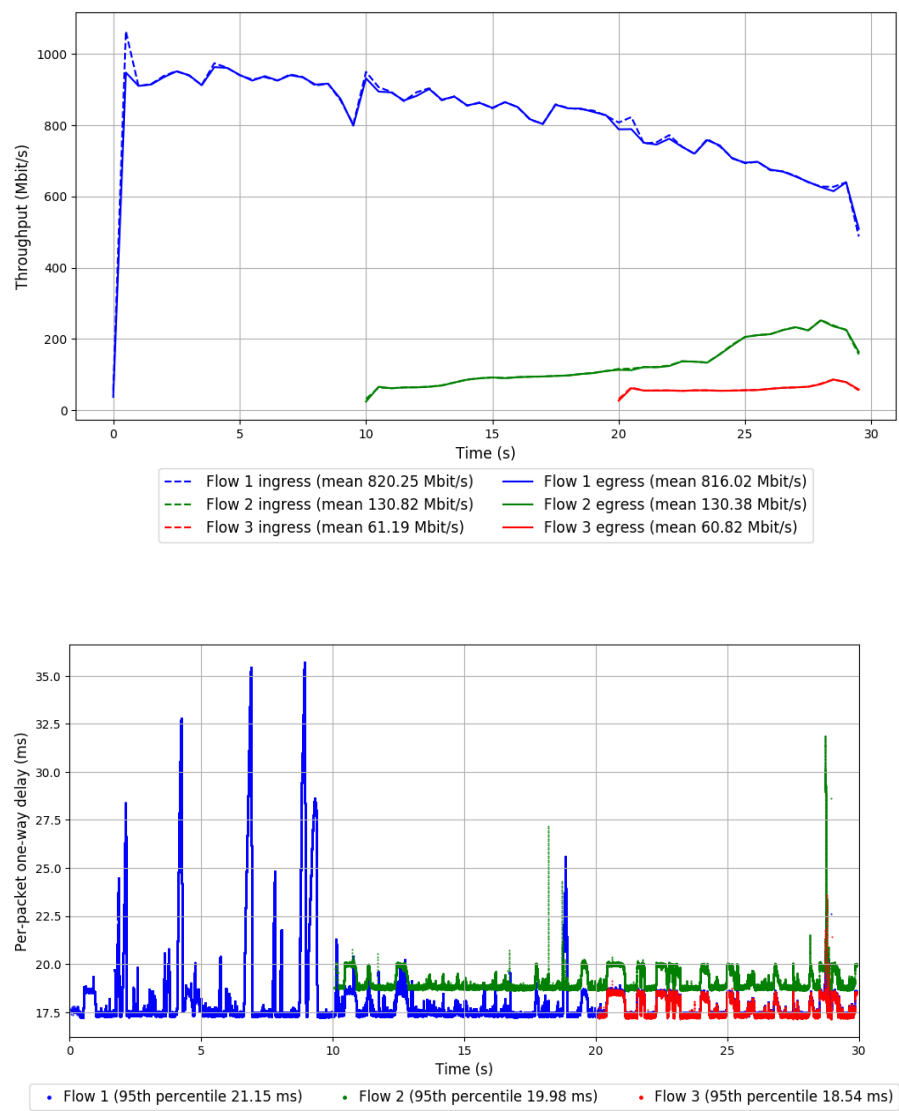


Run 5: Statistics of PCC

Start at: 2018-02-13 20:35:26
End at: 2018-02-13 20:35:56
Local clock offset: -0.127 ms
Remote clock offset: -6.556 ms

Below is generated by plot.py at 2018-02-14 02:39:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 922.75 Mbit/s
95th percentile per-packet one-way delay: 20.360 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 816.02 Mbit/s
95th percentile per-packet one-way delay: 21.147 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 130.38 Mbit/s
95th percentile per-packet one-way delay: 19.975 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 60.82 Mbit/s
95th percentile per-packet one-way delay: 18.538 ms
Loss rate: 0.58%

Run 5: Report of PCC — Data Link

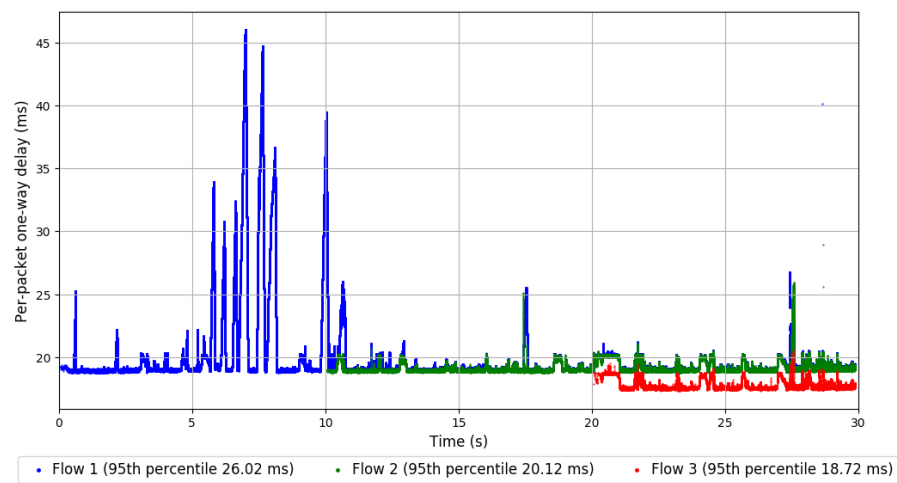
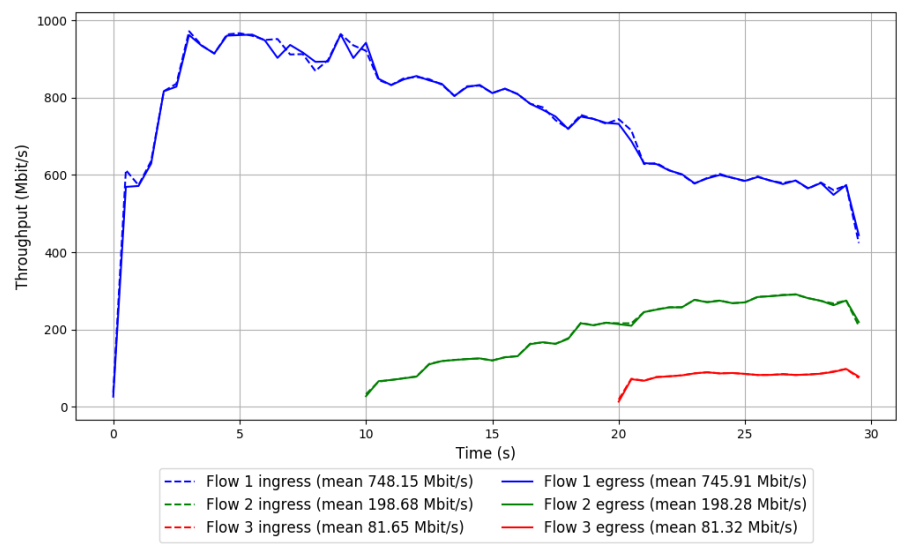


Run 6: Statistics of PCC

Start at: 2018-02-13 21:04:47
End at: 2018-02-13 21:05:17
Local clock offset: -0.139 ms
Remote clock offset: -5.369 ms

Below is generated by plot.py at 2018-02-14 02:40:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 904.50 Mbit/s
95th percentile per-packet one-way delay: 24.643 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 745.91 Mbit/s
95th percentile per-packet one-way delay: 26.024 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 198.28 Mbit/s
95th percentile per-packet one-way delay: 20.116 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 81.32 Mbit/s
95th percentile per-packet one-way delay: 18.716 ms
Loss rate: 0.41%

Run 6: Report of PCC — Data Link

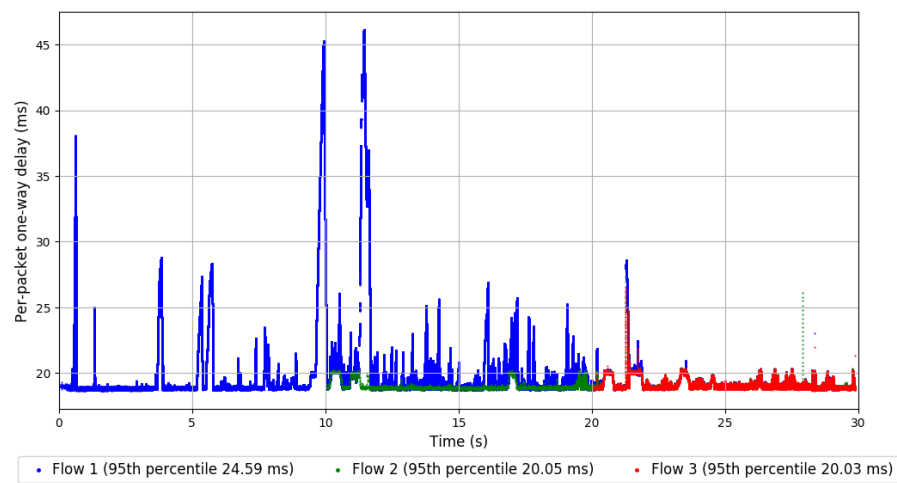
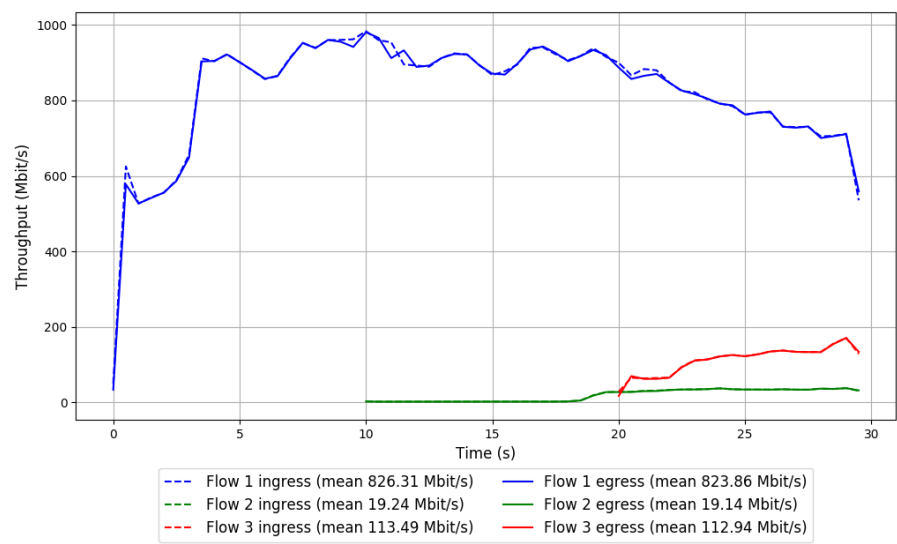


Run 7: Statistics of PCC

Start at: 2018-02-13 21:34:12
End at: 2018-02-13 21:34:42
Local clock offset: 0.226 ms
Remote clock offset: -5.343 ms

Below is generated by plot.py at 2018-02-14 02:41:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 873.75 Mbit/s
95th percentile per-packet one-way delay: 24.233 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 823.86 Mbit/s
95th percentile per-packet one-way delay: 24.593 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 19.14 Mbit/s
95th percentile per-packet one-way delay: 20.049 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 112.94 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 0.48%

Run 7: Report of PCC — Data Link

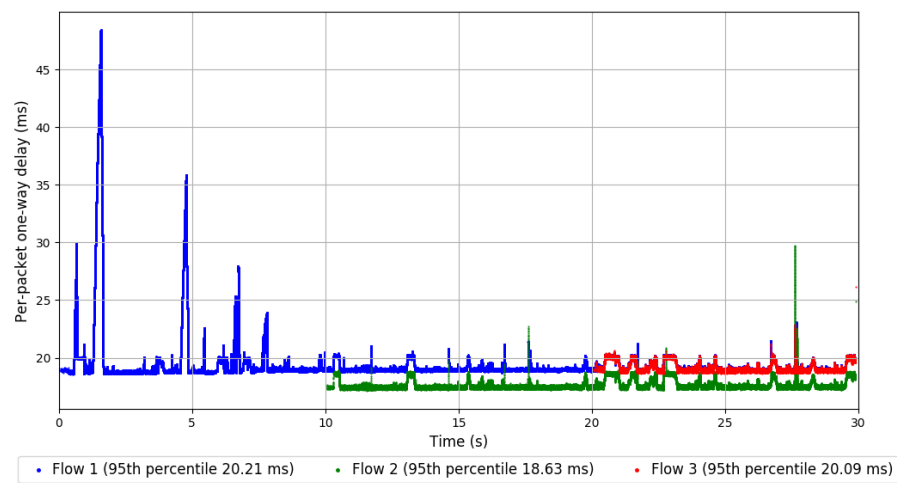
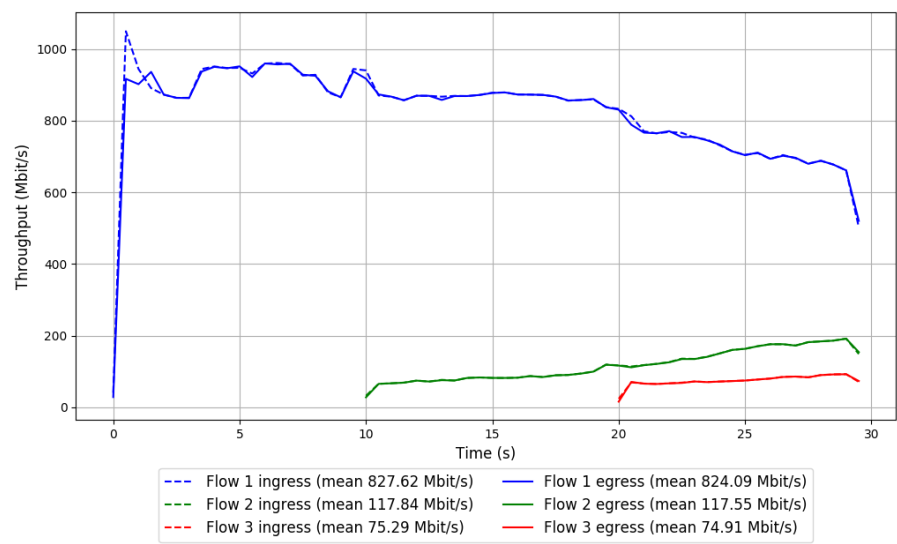


Run 8: Statistics of PCC

Start at: 2018-02-13 22:03:26
End at: 2018-02-13 22:03:56
Local clock offset: 0.508 ms
Remote clock offset: -6.386 ms

Below is generated by plot.py at 2018-02-14 02:41:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 926.76 Mbit/s
95th percentile per-packet one-way delay: 20.183 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 824.09 Mbit/s
95th percentile per-packet one-way delay: 20.209 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 117.55 Mbit/s
95th percentile per-packet one-way delay: 18.628 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.46%

Run 8: Report of PCC — Data Link

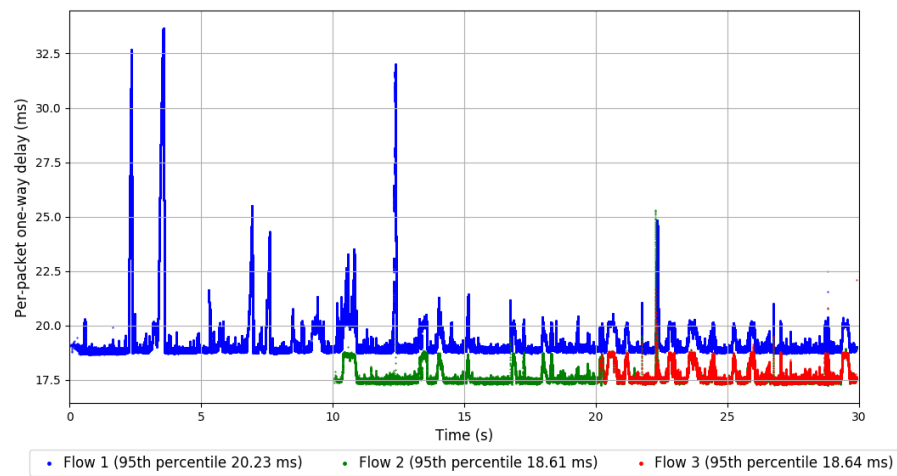
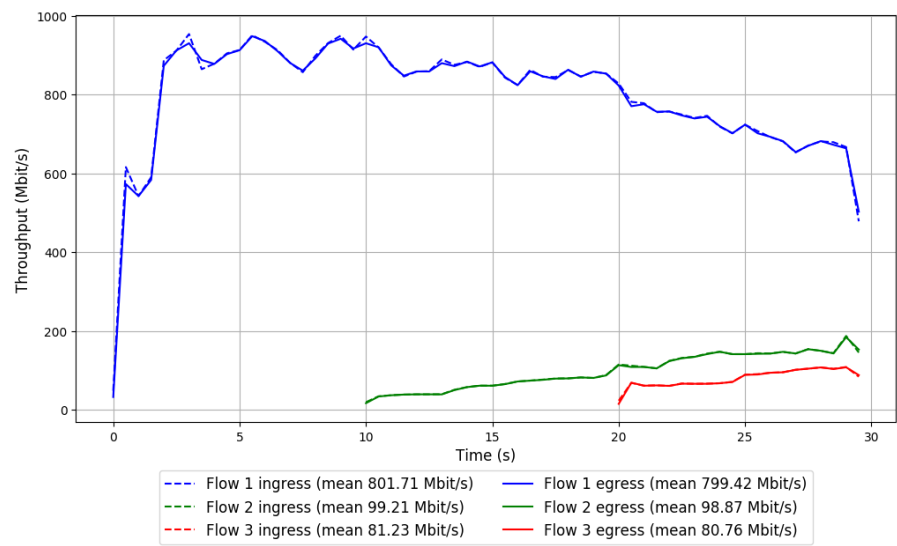


Run 9: Statistics of PCC

Start at: 2018-02-13 22:32:50
End at: 2018-02-13 22:33:21
Local clock offset: 0.84 ms
Remote clock offset: -5.249 ms

Below is generated by plot.py at 2018-02-14 02:48:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 891.56 Mbit/s
95th percentile per-packet one-way delay: 20.128 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 799.42 Mbit/s
95th percentile per-packet one-way delay: 20.229 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 98.87 Mbit/s
95th percentile per-packet one-way delay: 18.615 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 18.635 ms
Loss rate: 0.53%

Run 9: Report of PCC — Data Link

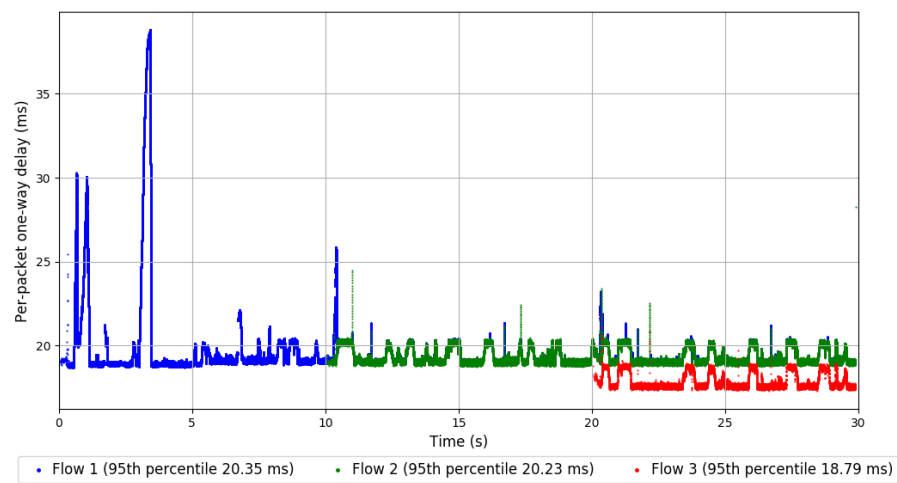
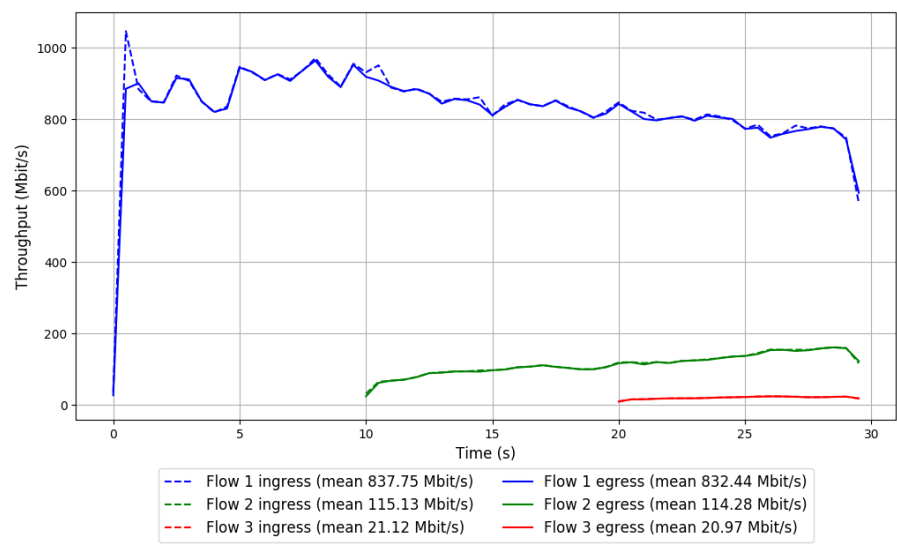


Run 10: Statistics of PCC

Start at: 2018-02-13 23:02:22
End at: 2018-02-13 23:02:52
Local clock offset: 1.205 ms
Remote clock offset: -5.915 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 915.08 Mbit/s
95th percentile per-packet one-way delay: 20.312 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 832.44 Mbit/s
95th percentile per-packet one-way delay: 20.346 ms
Loss rate: 0.64%
-- Flow 2:
Average throughput: 114.28 Mbit/s
95th percentile per-packet one-way delay: 20.226 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 18.788 ms
Loss rate: 0.68%

Run 10: Report of PCC — Data Link

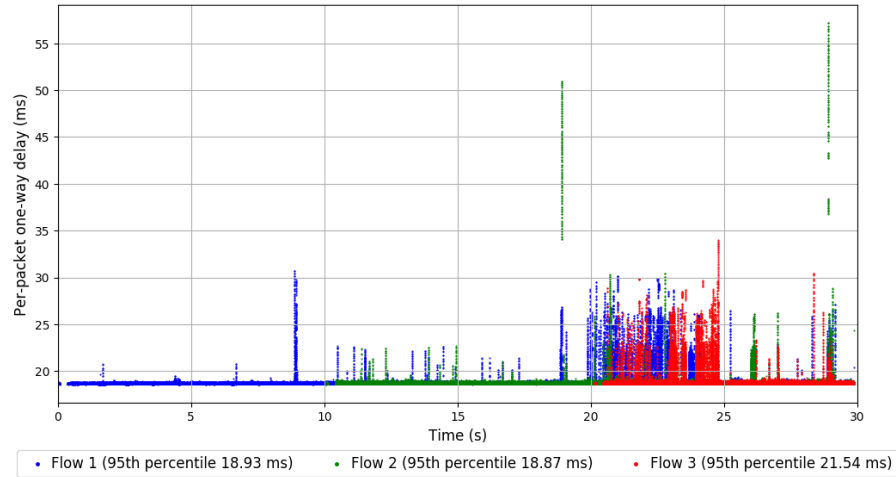
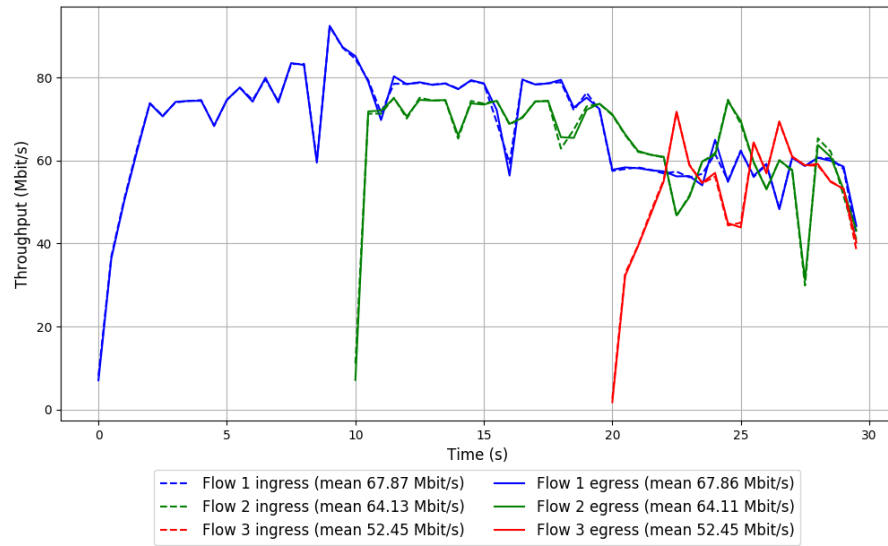


Run 1: Statistics of QUIC Cubic

Start at: 2018-02-13 18:31:08
End at: 2018-02-13 18:31:38
Local clock offset: -1.006 ms
Remote clock offset: -6.253 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.57 Mbit/s
95th percentile per-packet one-way delay: 18.997 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 67.86 Mbit/s
95th percentile per-packet one-way delay: 18.933 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 64.11 Mbit/s
95th percentile per-packet one-way delay: 18.871 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 21.539 ms
Loss rate: 0.02%

Run 1: Report of QUIC Cubic — Data Link

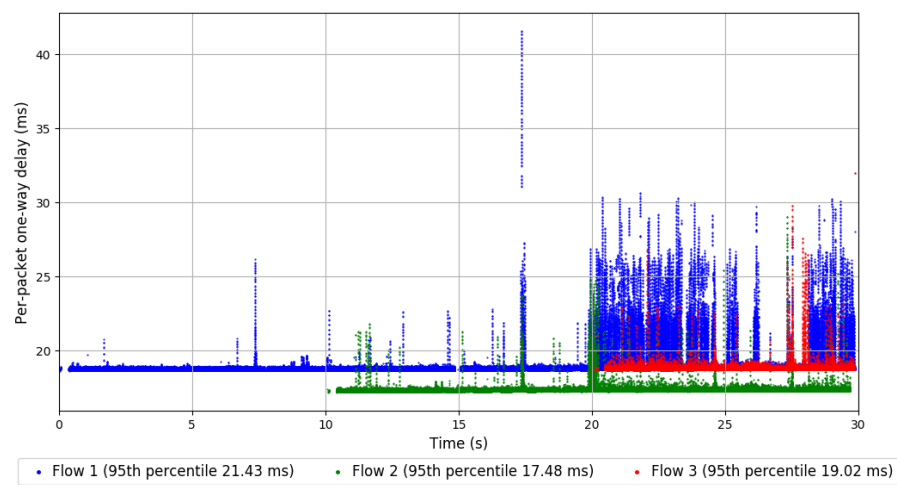
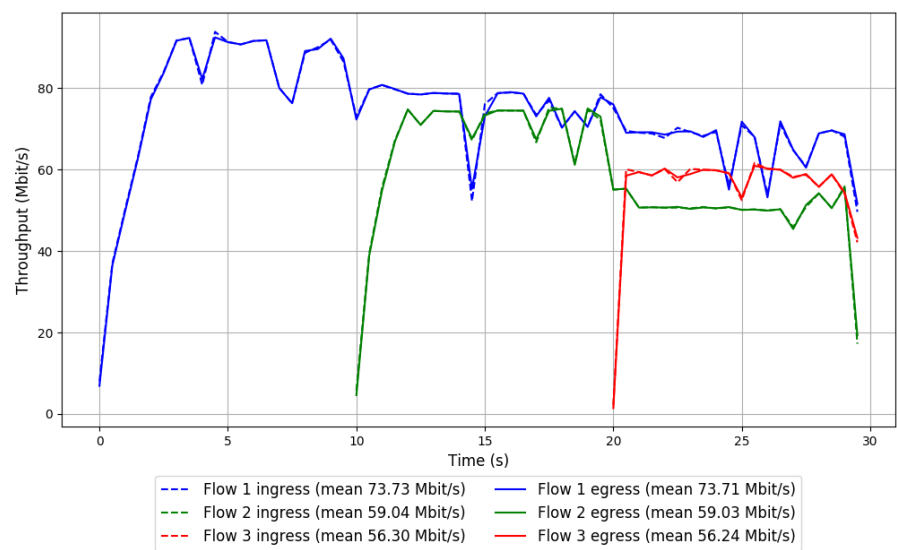


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-13 19:00:39
End at: 2018-02-13 19:01:09
Local clock offset: -1.116 ms
Remote clock offset: -6.537 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.88 Mbit/s
95th percentile per-packet one-way delay: 20.306 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 21.429 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.03 Mbit/s
95th percentile per-packet one-way delay: 17.475 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.08%

Run 2: Report of QUIC Cubic — Data Link

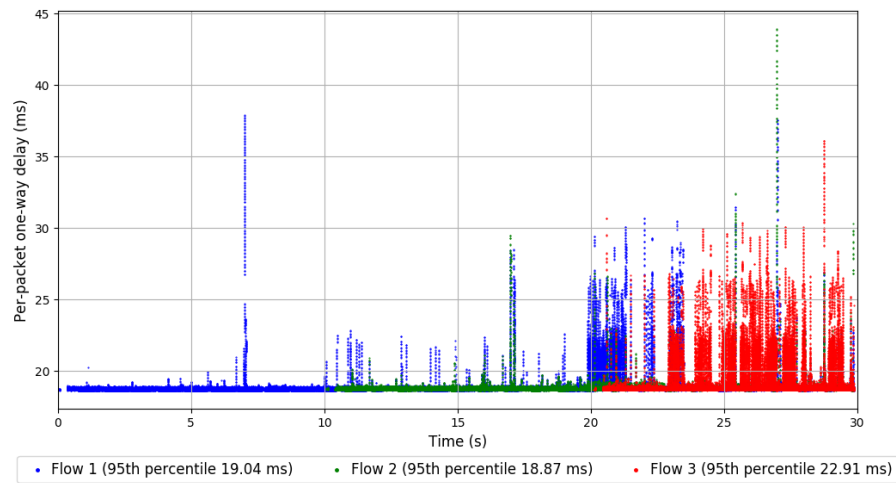
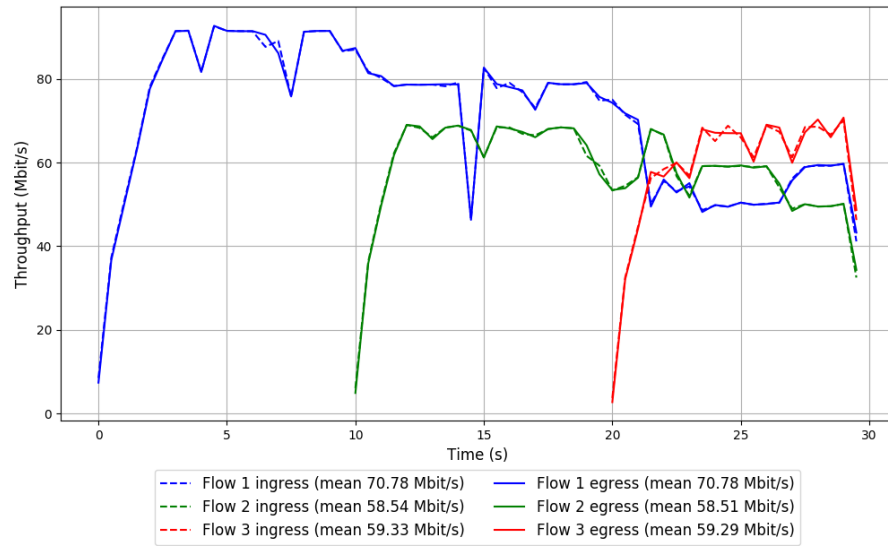


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-13 19:30:19
End at: 2018-02-13 19:30:49
Local clock offset: 0.454 ms
Remote clock offset: -6.652 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.97 Mbit/s
95th percentile per-packet one-way delay: 20.235 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.78 Mbit/s
95th percentile per-packet one-way delay: 19.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 18.874 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 22.914 ms
Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link

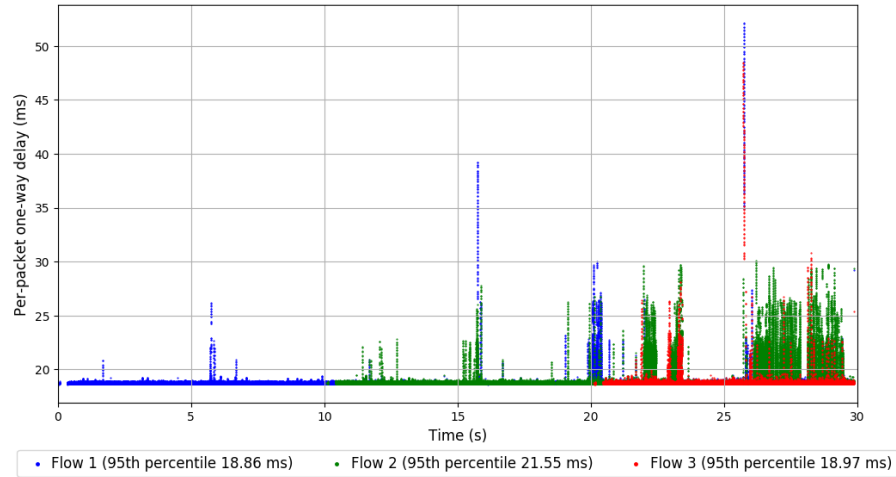
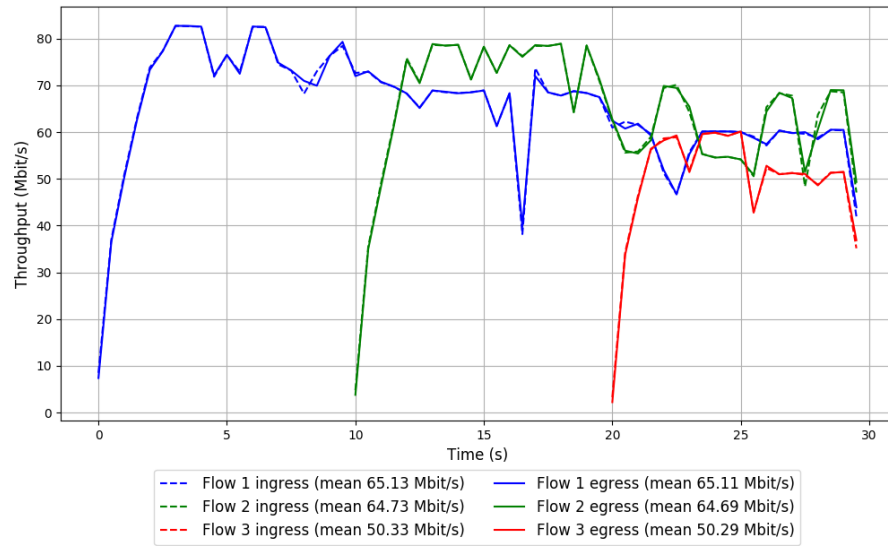


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-13 19:59:40
End at: 2018-02-13 20:00:10
Local clock offset: -0.514 ms
Remote clock offset: -6.678 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.49 Mbit/s
95th percentile per-packet one-way delay: 19.419 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.11 Mbit/s
95th percentile per-packet one-way delay: 18.863 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 21.546 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.02%

Run 4: Report of QUIC Cubic — Data Link

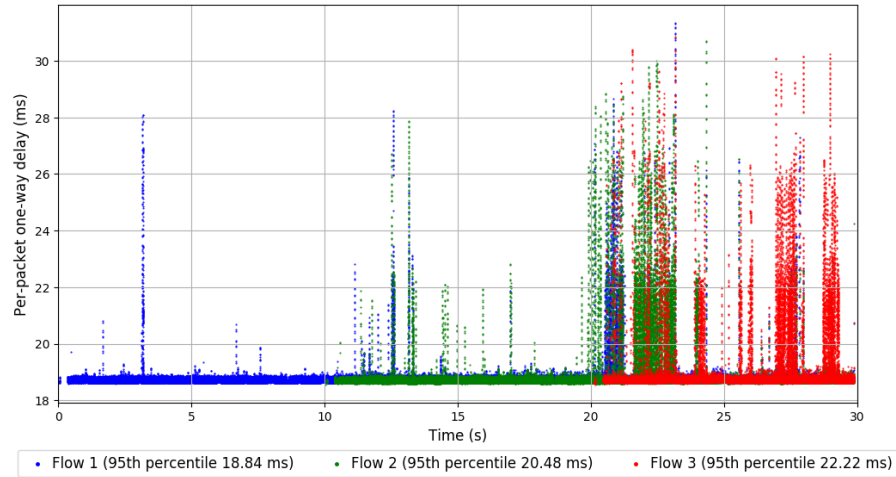
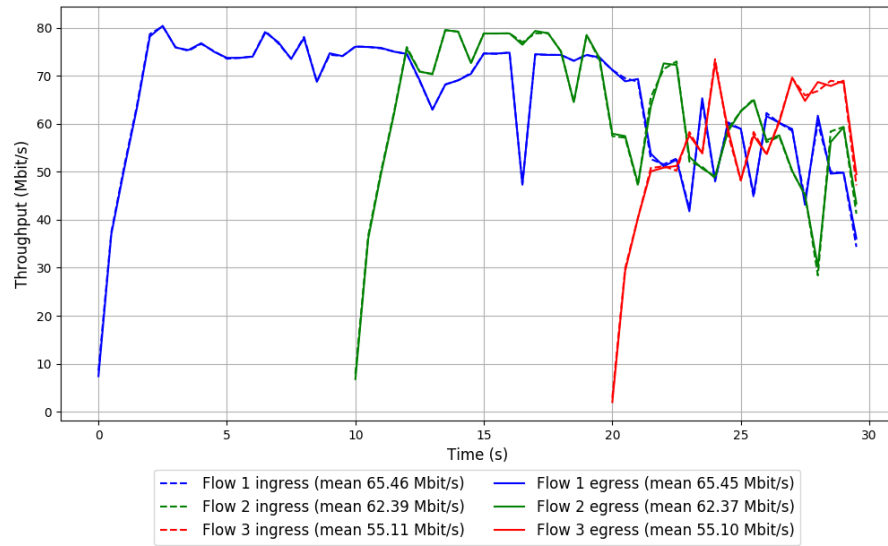


Run 5: Statistics of QUIC Cubic

Start at: 2018-02-13 20:29:12
End at: 2018-02-13 20:29:42
Local clock offset: -0.145 ms
Remote clock offset: -6.893 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.93 Mbit/s
95th percentile per-packet one-way delay: 19.725 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.45 Mbit/s
95th percentile per-packet one-way delay: 18.845 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.37 Mbit/s
95th percentile per-packet one-way delay: 20.476 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 55.10 Mbit/s
95th percentile per-packet one-way delay: 22.220 ms
Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link

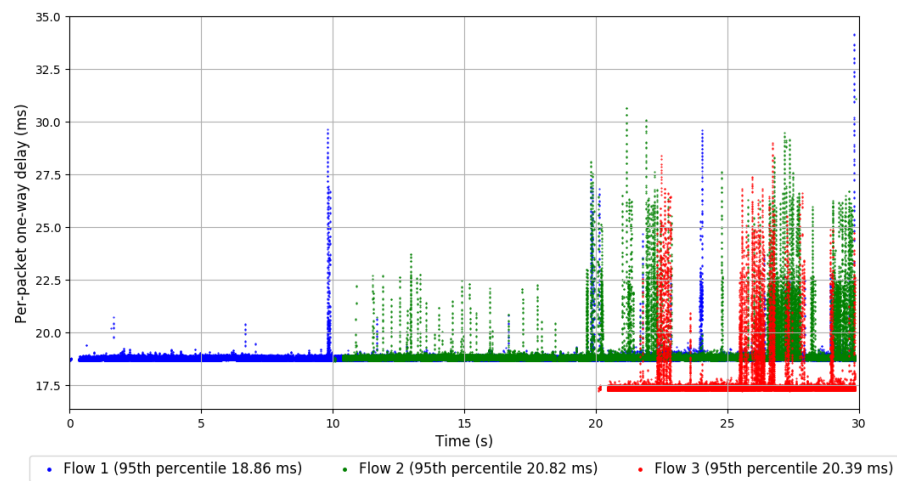
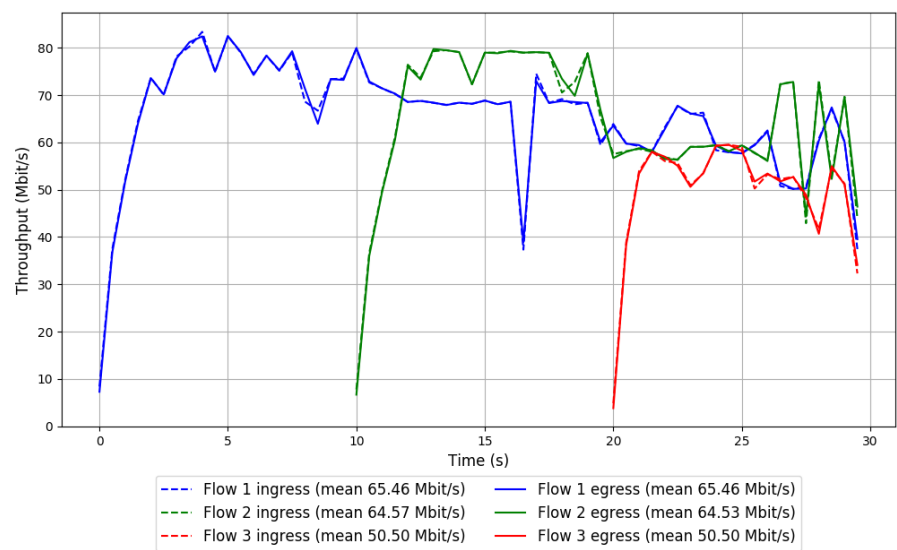


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-13 20:58:25
End at: 2018-02-13 20:58:55
Local clock offset: -0.057 ms
Remote clock offset: -5.476 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.83 Mbit/s
95th percentile per-packet one-way delay: 19.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.46 Mbit/s
95th percentile per-packet one-way delay: 18.863 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 20.816 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 20.386 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

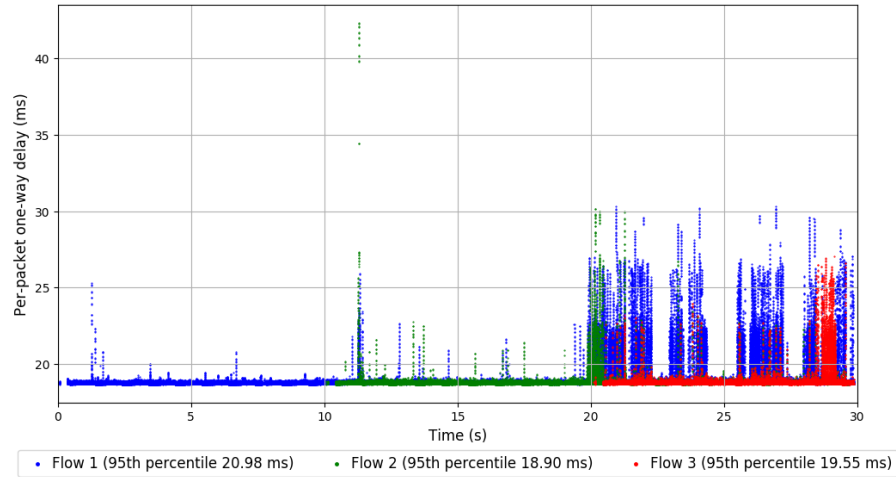
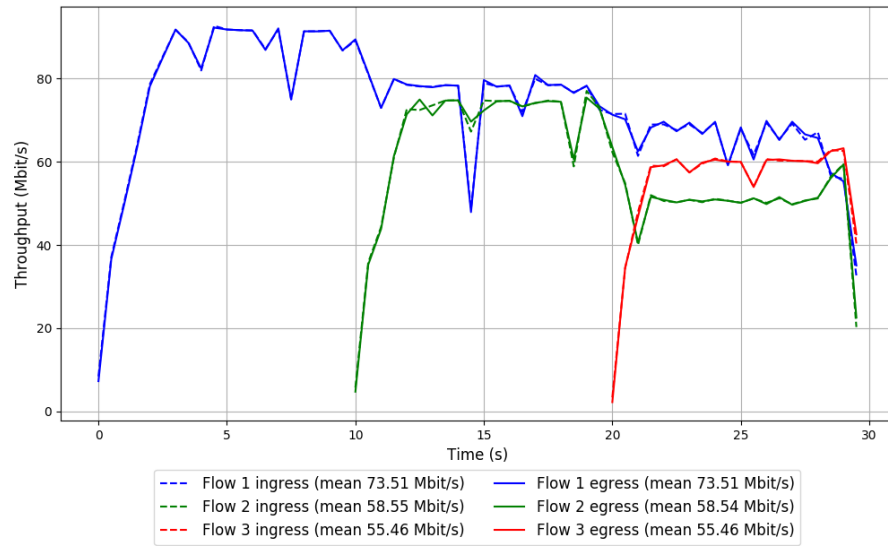


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-13 21:27:43
End at: 2018-02-13 21:28:13
Local clock offset: 0.137 ms
Remote clock offset: -5.397 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.42 Mbit/s
95th percentile per-packet one-way delay: 20.127 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.51 Mbit/s
95th percentile per-packet one-way delay: 20.985 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 19.546 ms
Loss rate: 0.02%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-02-13 21:57:01

End at: 2018-02-13 21:57:31

Local clock offset: 0.371 ms

Remote clock offset: -6.28 ms

Below is generated by plot.py at 2018-02-14 02:50:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.63 Mbit/s

95th percentile per-packet one-way delay: 19.435 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.11 Mbit/s

95th percentile per-packet one-way delay: 18.934 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.01 Mbit/s

95th percentile per-packet one-way delay: 19.195 ms

Loss rate: 0.01%

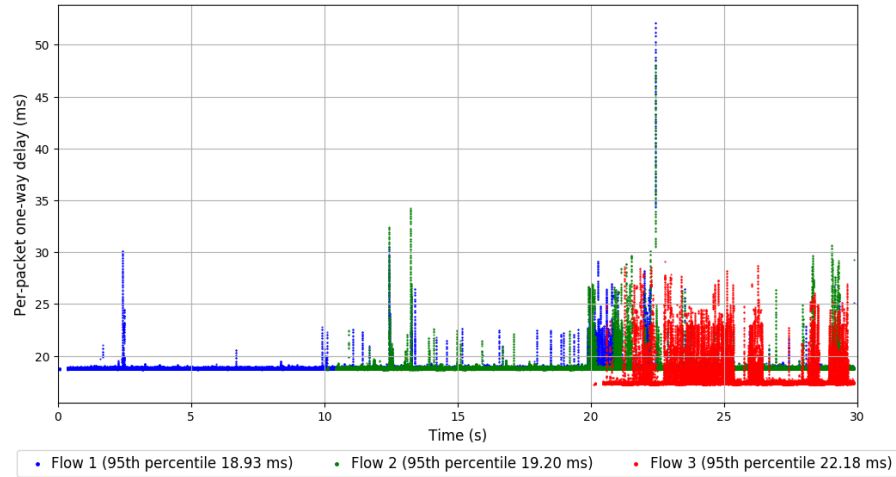
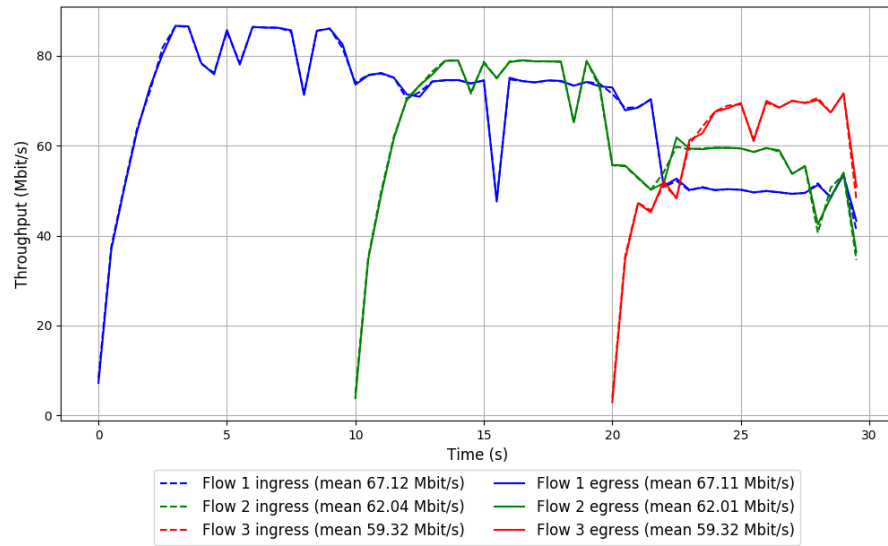
-- Flow 3:

Average throughput: 59.32 Mbit/s

95th percentile per-packet one-way delay: 22.176 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

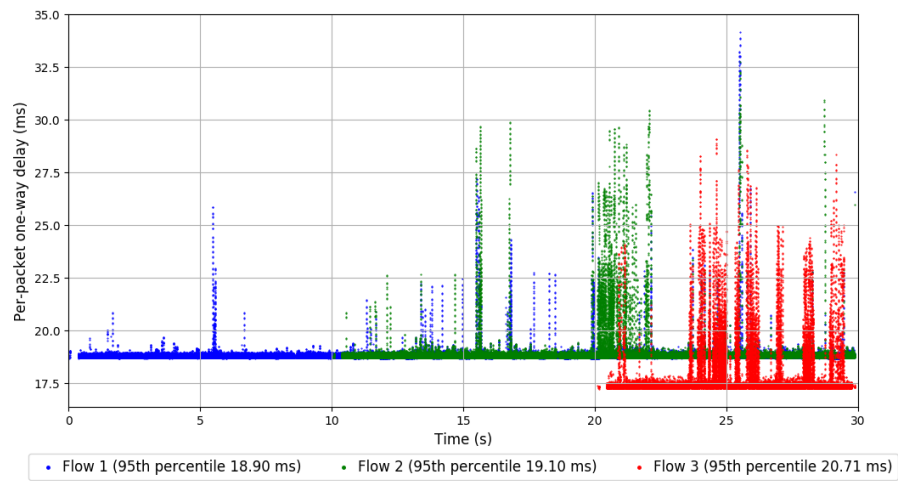
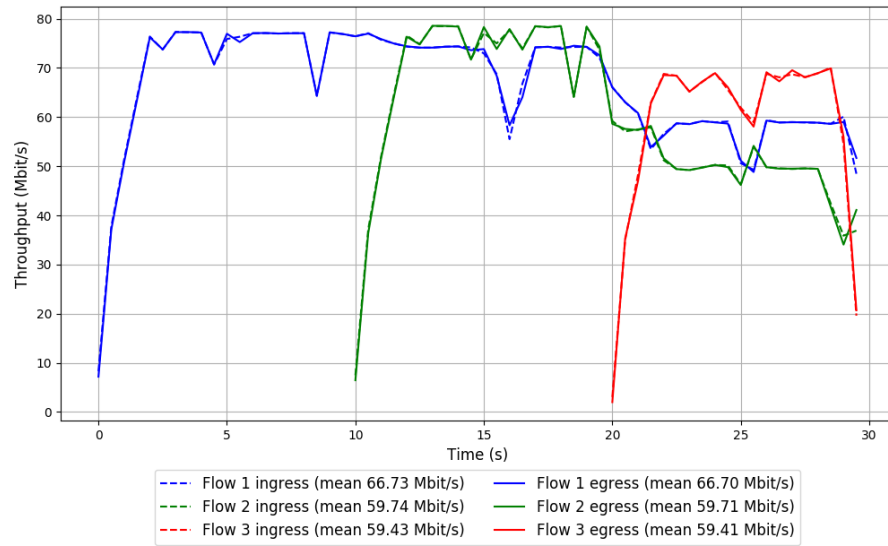


Run 9: Statistics of QUIC Cubic

Start at: 2018-02-13 22:26:27
End at: 2018-02-13 22:26:57
Local clock offset: 0.707 ms
Remote clock offset: -5.428 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.82 Mbit/s
95th percentile per-packet one-way delay: 18.966 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.70 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 19.099 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 59.41 Mbit/s
95th percentile per-packet one-way delay: 20.706 ms
Loss rate: 0.04%

Run 9: Report of QUIC Cubic — Data Link

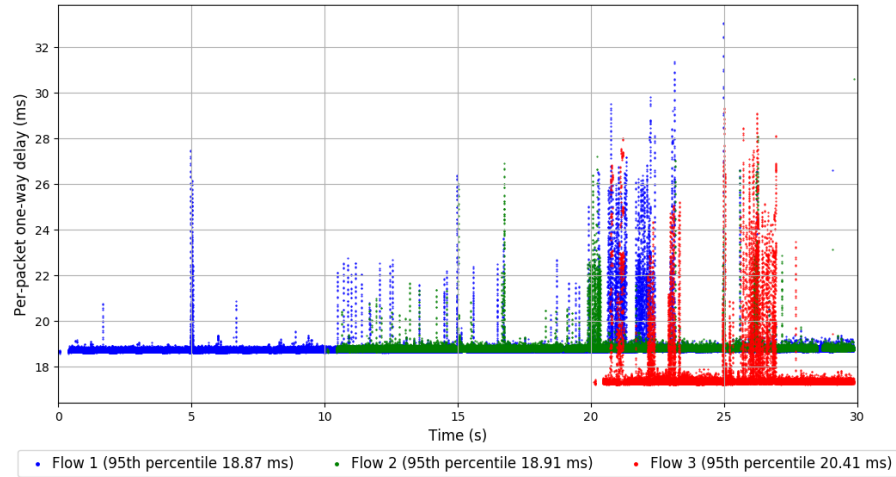
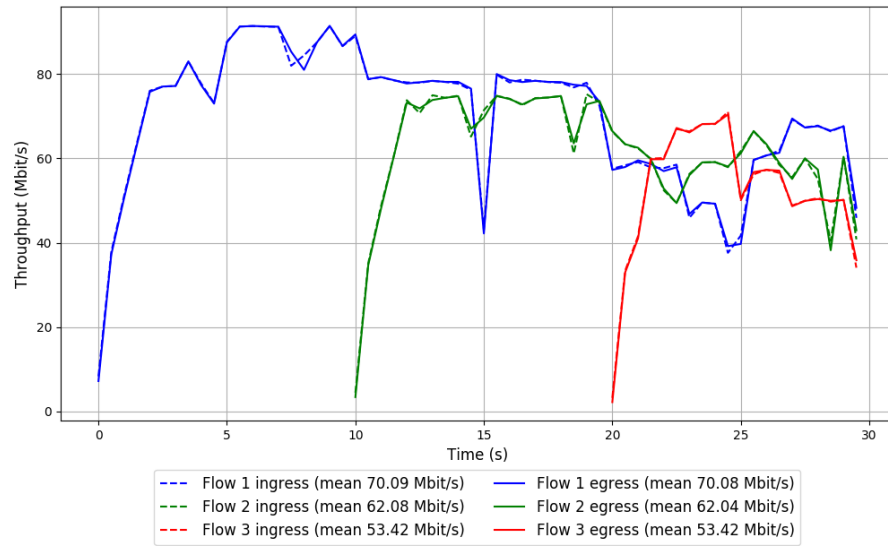


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-13 22:55:57
End at: 2018-02-13 22:56:27
Local clock offset: 1.371 ms
Remote clock offset: -5.625 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.68 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.08 Mbit/s
95th percentile per-packet one-way delay: 18.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 18.908 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 20.405 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

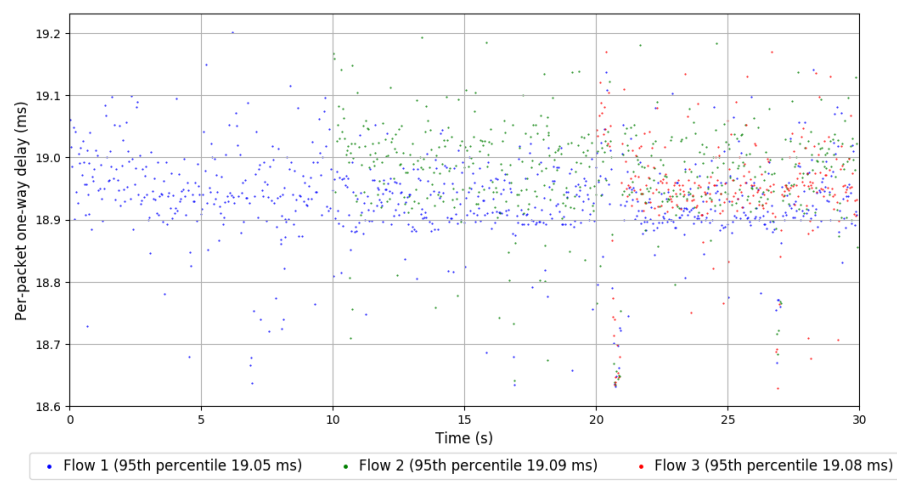
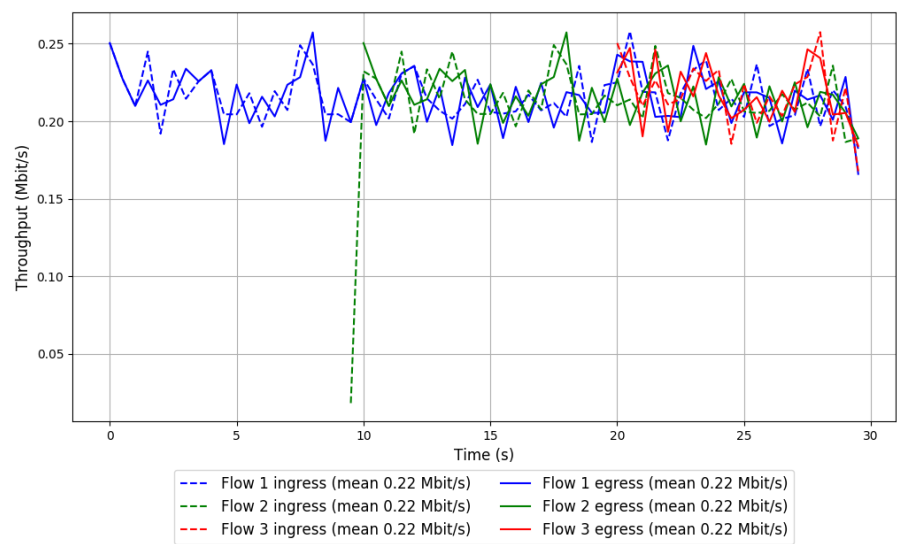


```
Run 1: Statistics of SReAM

Start at: 2018-02-13 18:41:10
End at: 2018-02-13 18:41:40
Local clock offset: -0.787 ms
Remote clock offset: -6.429 ms

# Below is generated by plot.py at 2018-02-14 02:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.046 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.081 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

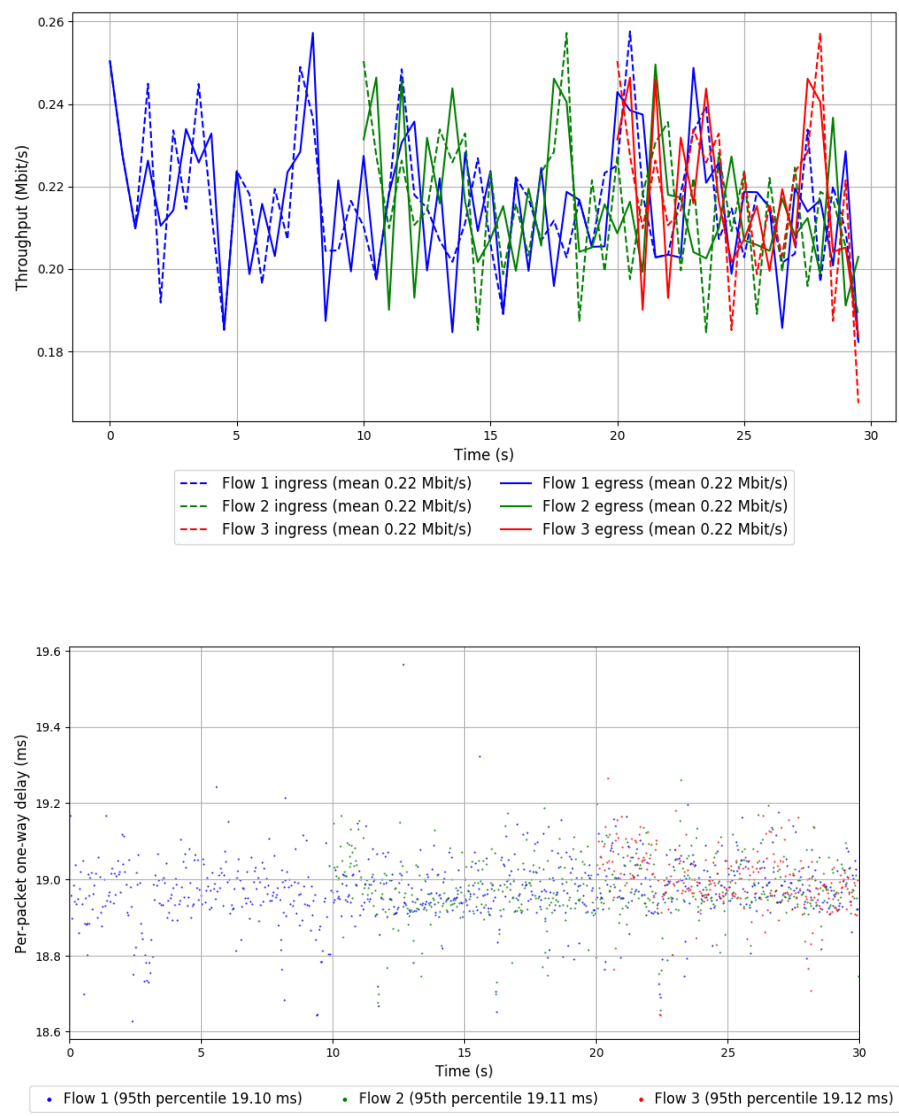


```
Run 2: Statistics of SReAM

Start at: 2018-02-13 19:10:44
End at: 2018-02-13 19:11:14
Local clock offset: -0.036 ms
Remote clock offset: -6.625 ms

# Below is generated by plot.py at 2018-02-14 02:50:08
# 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: 19.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

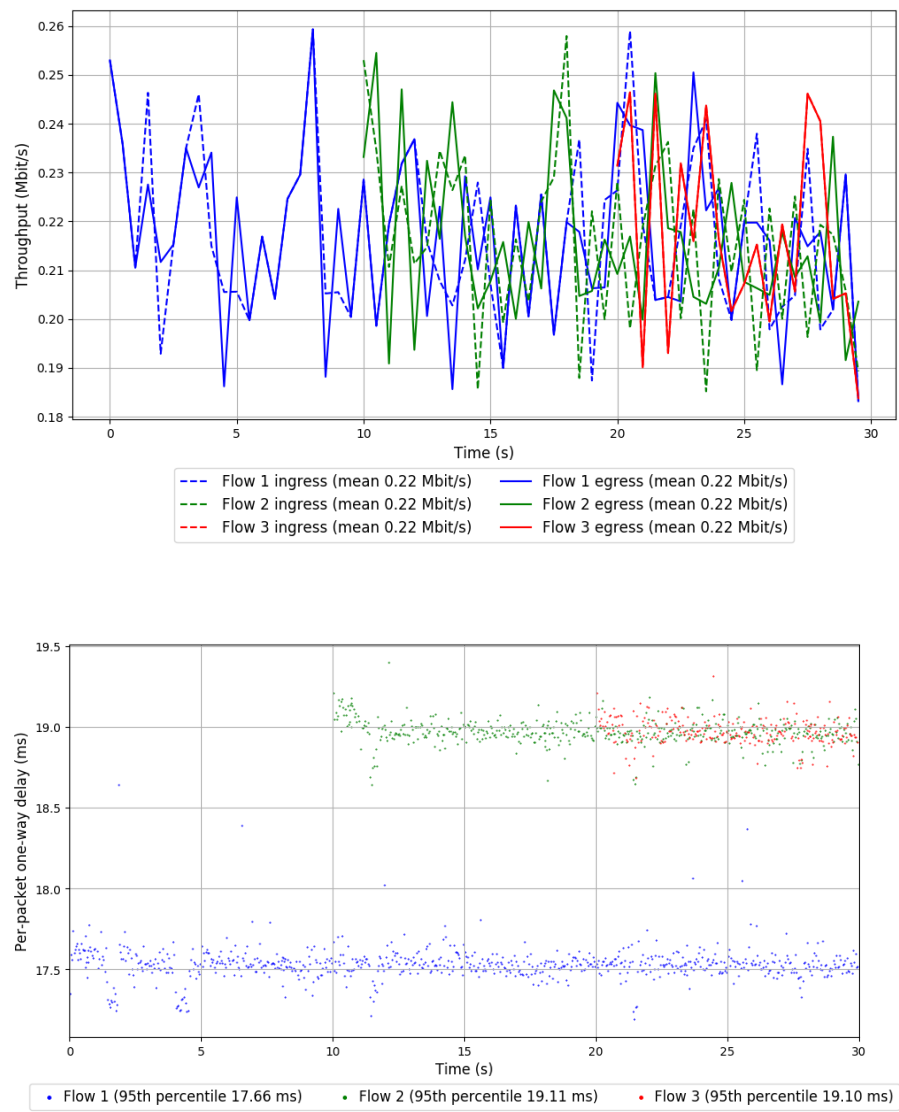


Run 3: Statistics of SReAM

Start at: 2018-02-13 19:40:14
End at: 2018-02-13 19:40:44
Local clock offset: 0.129 ms
Remote clock offset: -6.554 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.657 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

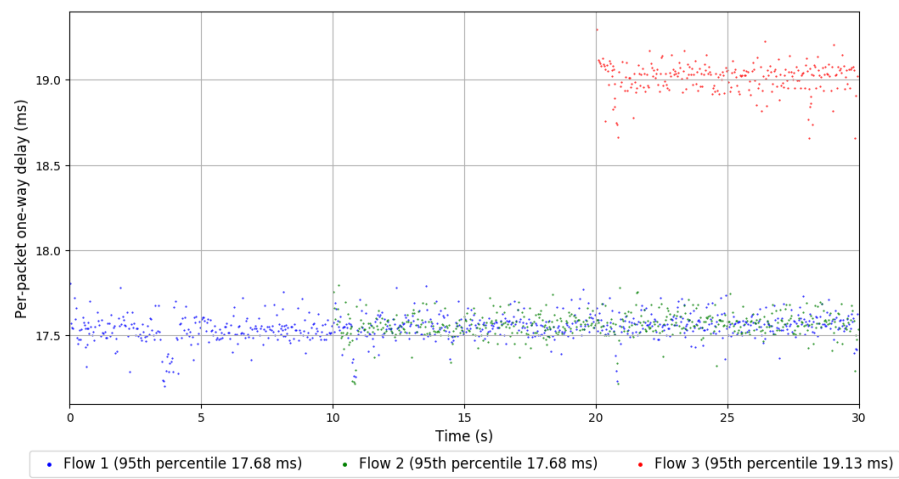
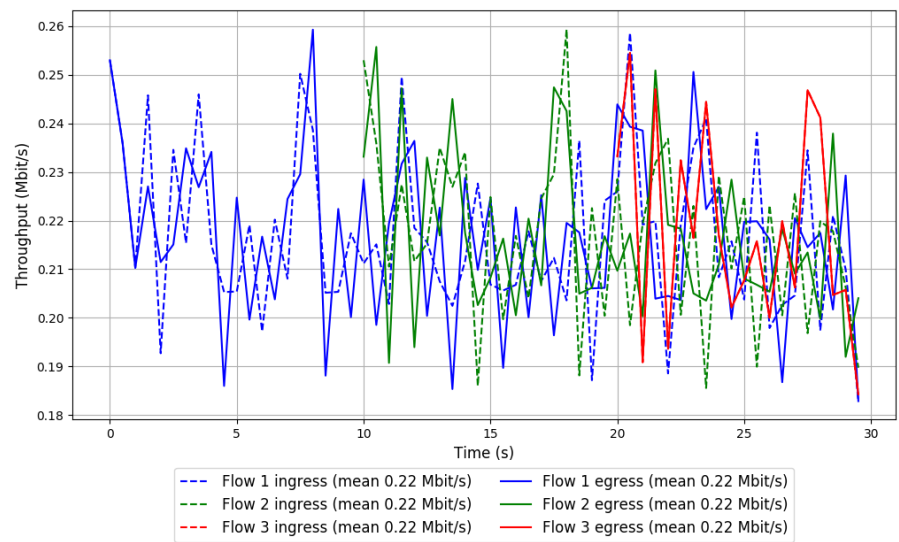


Run 4: Statistics of SReAM

Start at: 2018-02-13 20:09:44
End at: 2018-02-13 20:10:14
Local clock offset: -0.689 ms
Remote clock offset: -6.755 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.676 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.680 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.129 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

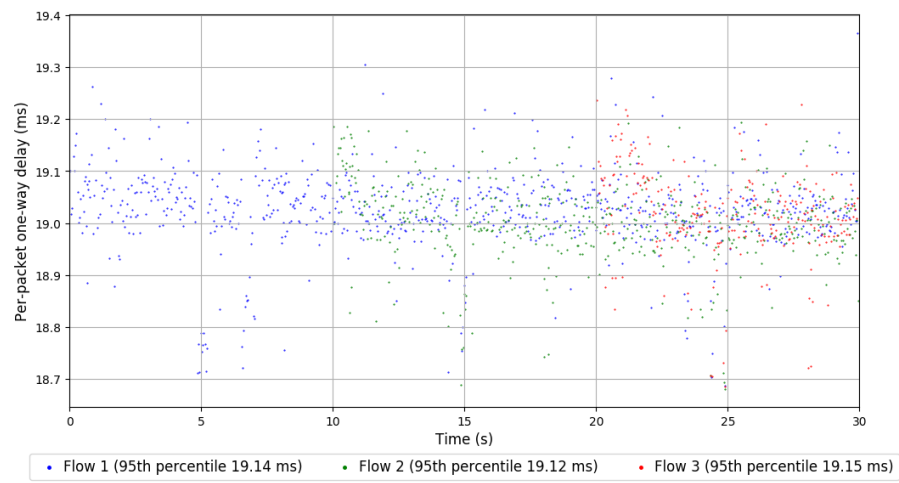
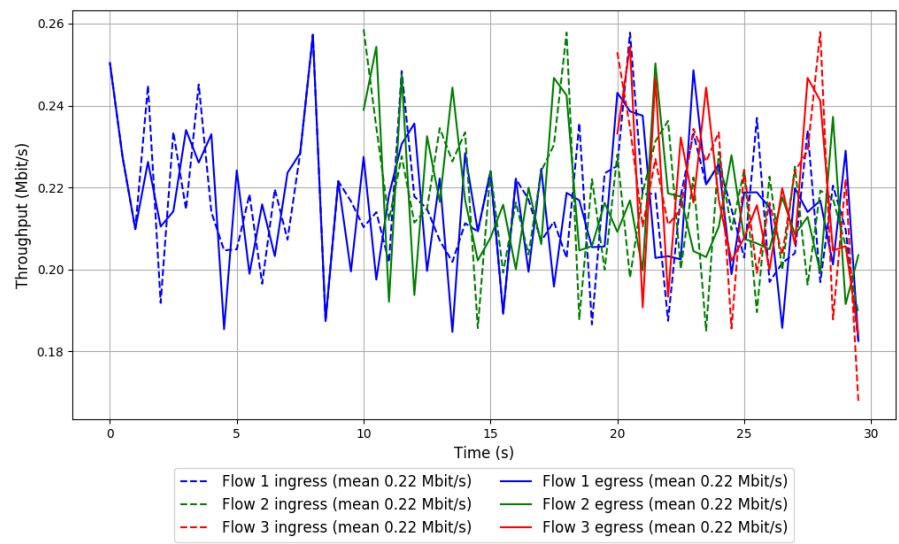


Run 5: Statistics of SReAM

Start at: 2018-02-13 20:39:00
End at: 2018-02-13 20:39:30
Local clock offset: -0.169 ms
Remote clock offset: -6.179 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

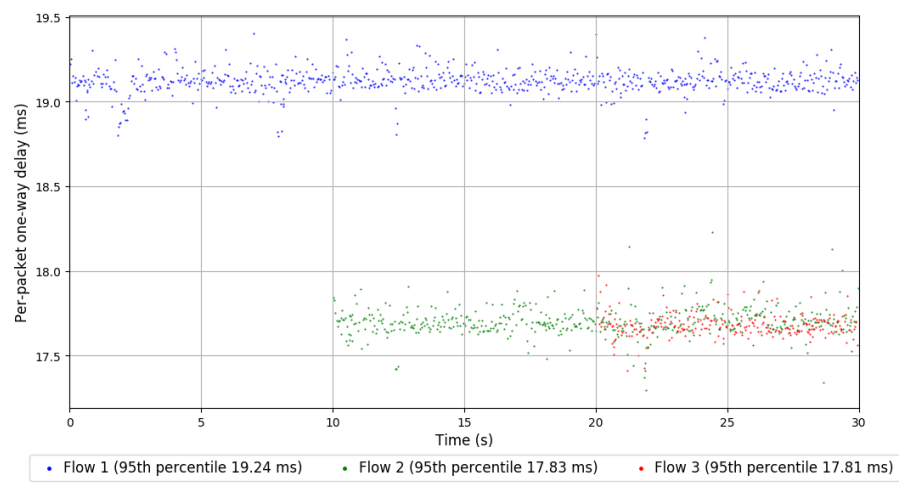
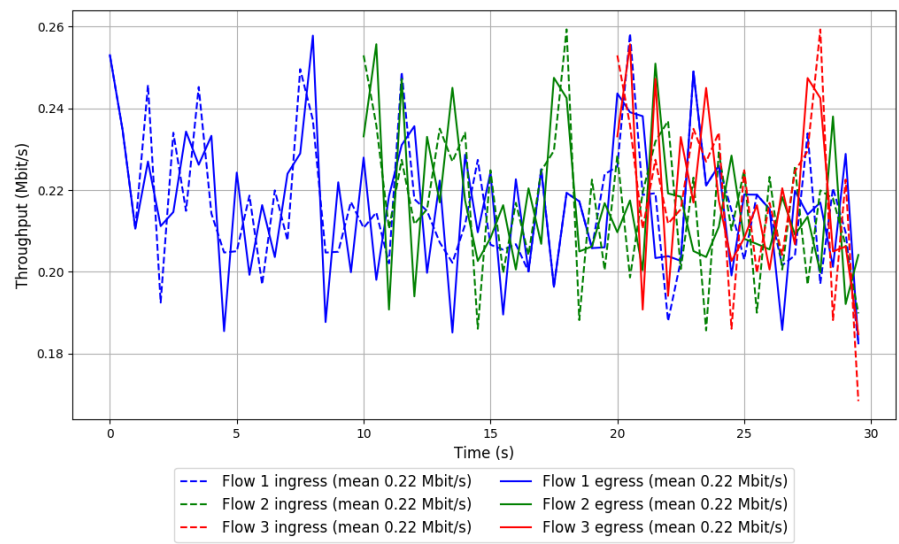


Run 6: Statistics of SReAM

Start at: 2018-02-13 21:08:22
End at: 2018-02-13 21:08:52
Local clock offset: -0.102 ms
Remote clock offset: -5.324 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.834 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.811 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

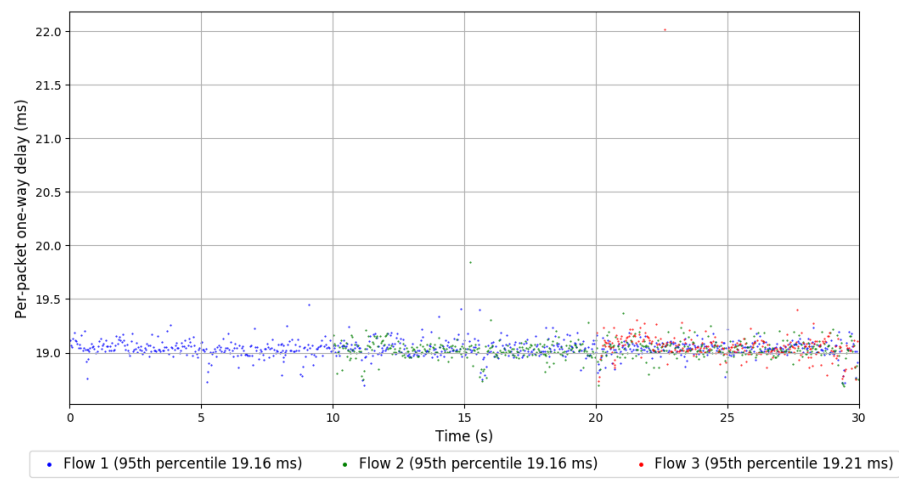
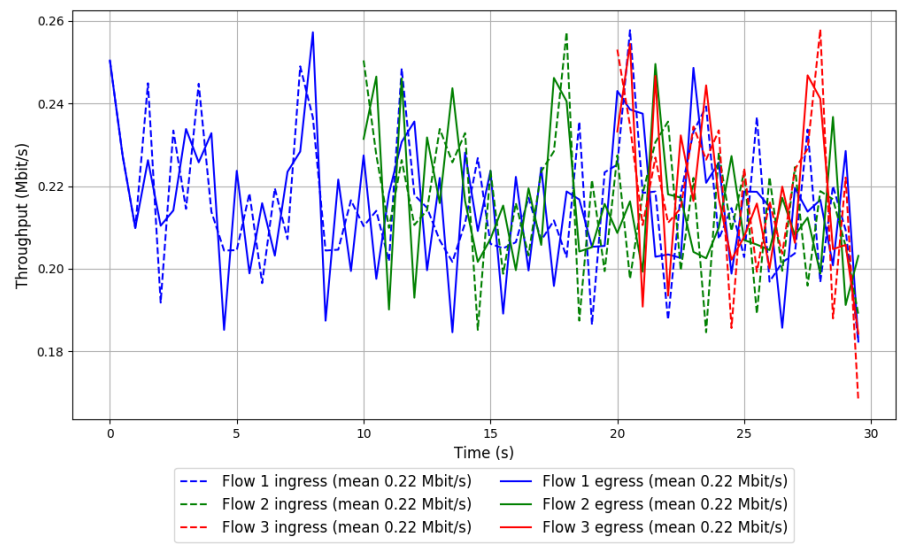


Run 7: Statistics of SReAM

Start at: 2018-02-13 21:37:44
End at: 2018-02-13 21:38:14
Local clock offset: 0.187 ms
Remote clock offset: -5.377 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.163 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

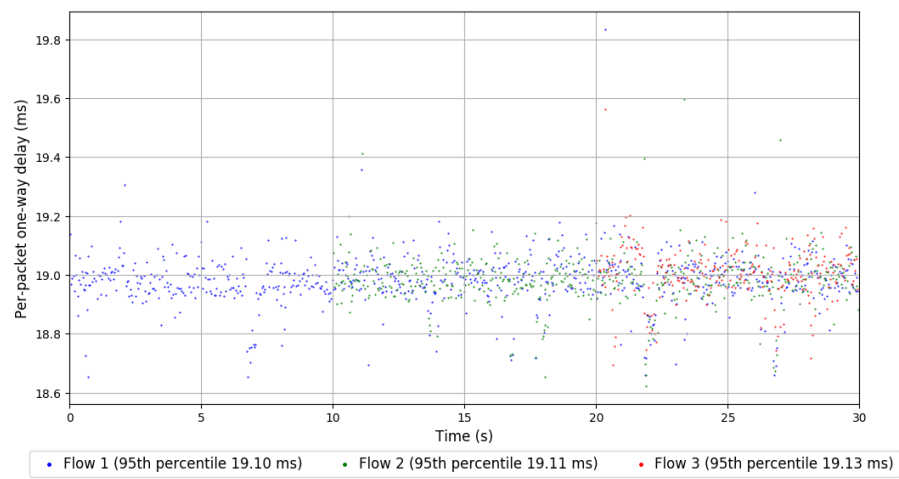
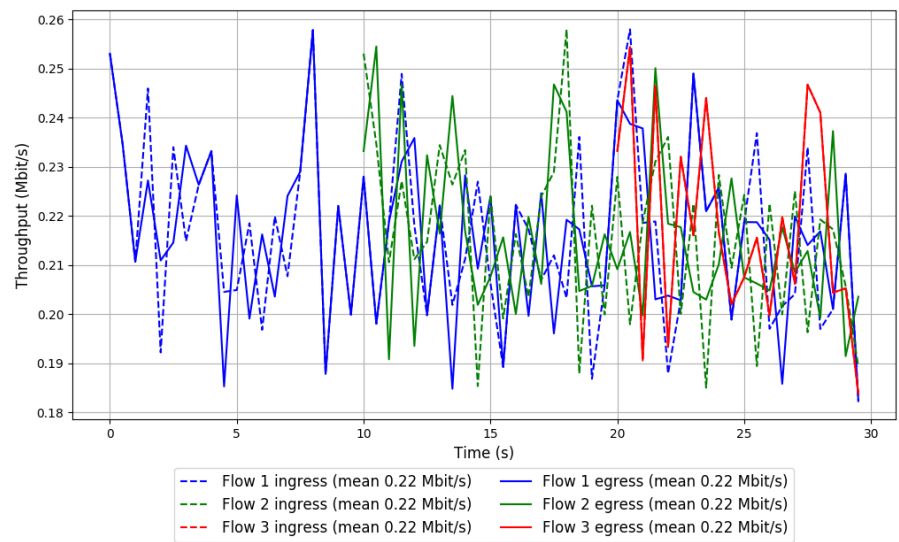


Run 8: Statistics of SReAM

Start at: 2018-02-13 22:06:57
End at: 2018-02-13 22:07:27
Local clock offset: 0.544 ms
Remote clock offset: -6.362 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

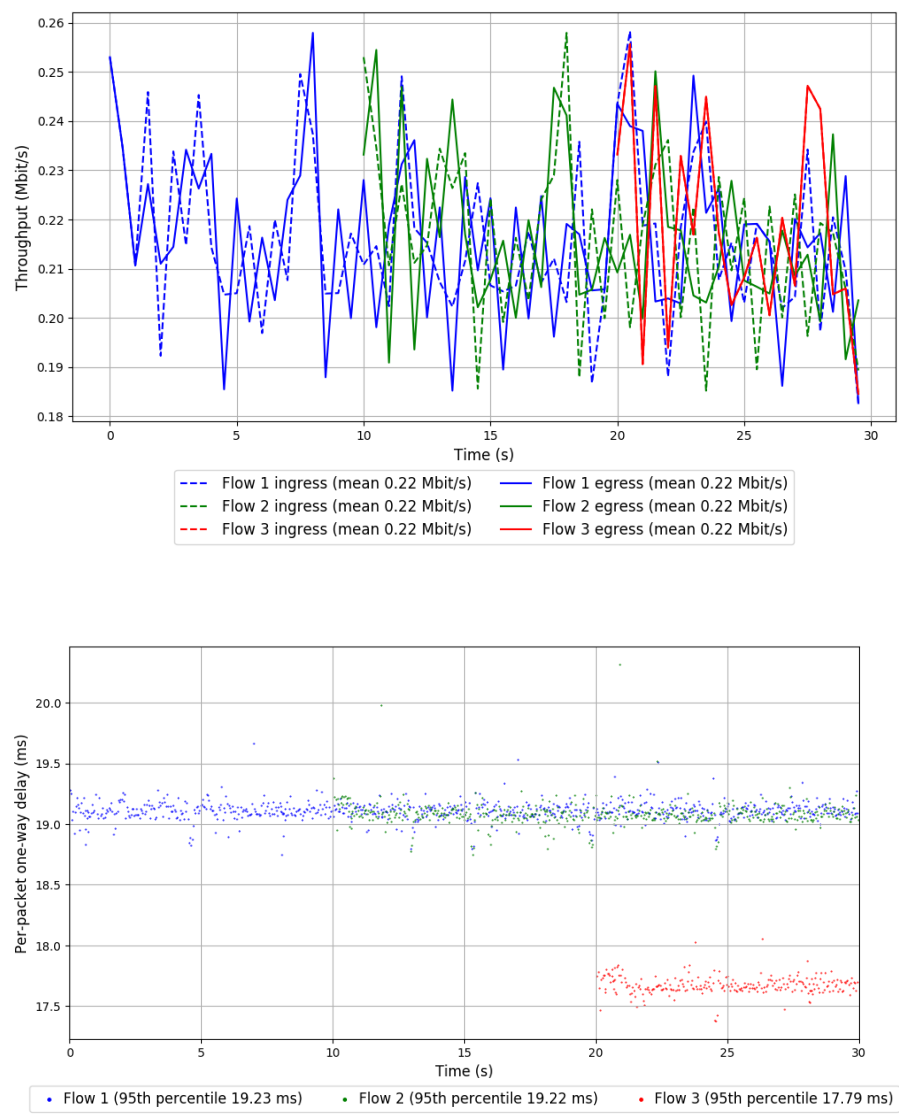


Run 9: Statistics of SReAM

Start at: 2018-02-13 22:36:28
End at: 2018-02-13 22:36:58
Local clock offset: 0.936 ms
Remote clock offset: -5.088 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.228 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.787 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

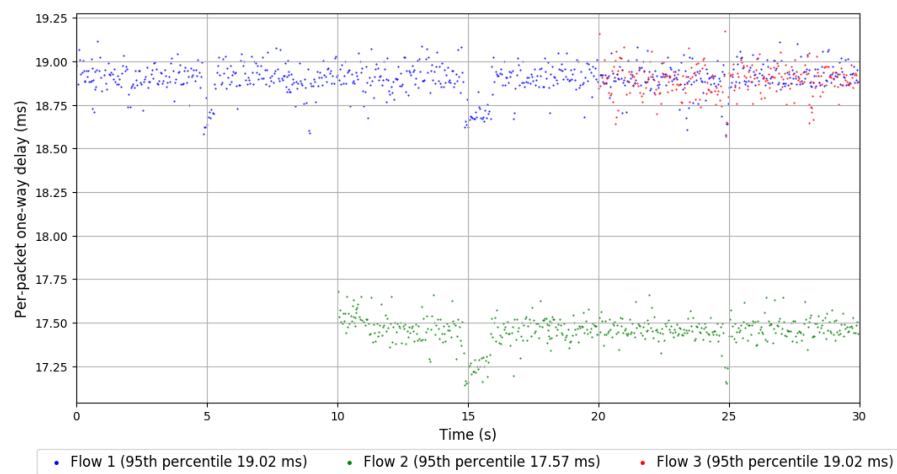
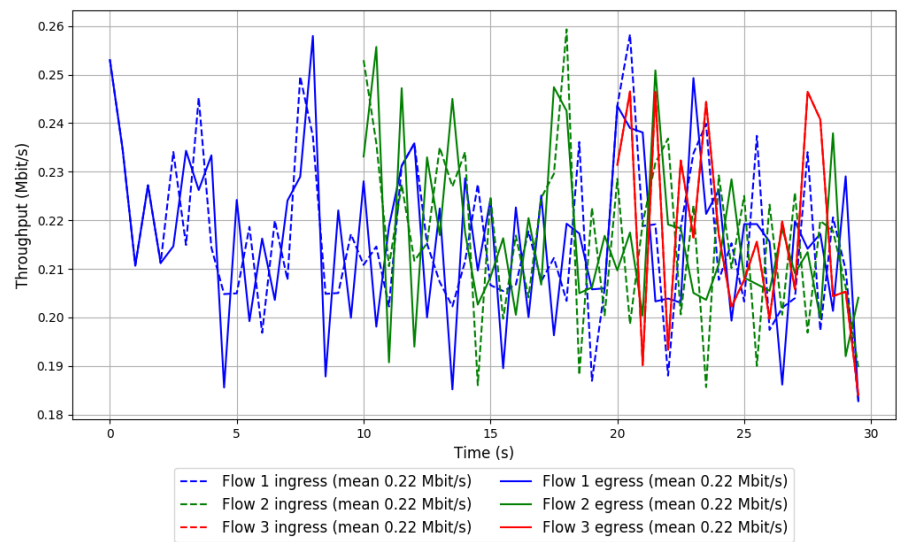


Run 10: Statistics of SReAM

Start at: 2018-02-13 23:05:57
End at: 2018-02-13 23:06:27
Local clock offset: 1.106 ms
Remote clock offset: -6.088 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.574 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.018 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-02-13 18:28:21

End at: 2018-02-13 18:28:51

Local clock offset: -1.203 ms

Remote clock offset: -6.08 ms

Below is generated by plot.py at 2018-02-14 02:50:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 19.242 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 17.741 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 19.609 ms

Loss rate: 0.00%

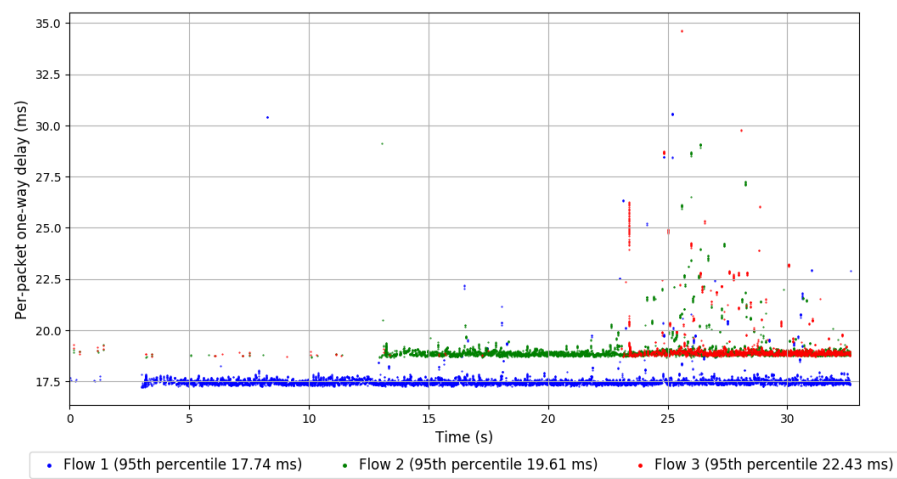
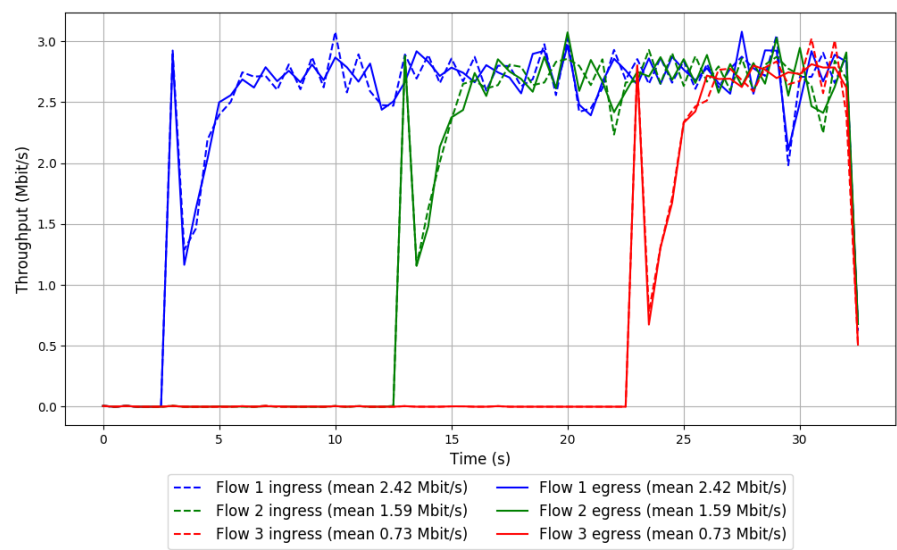
-- Flow 3:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 22.430 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

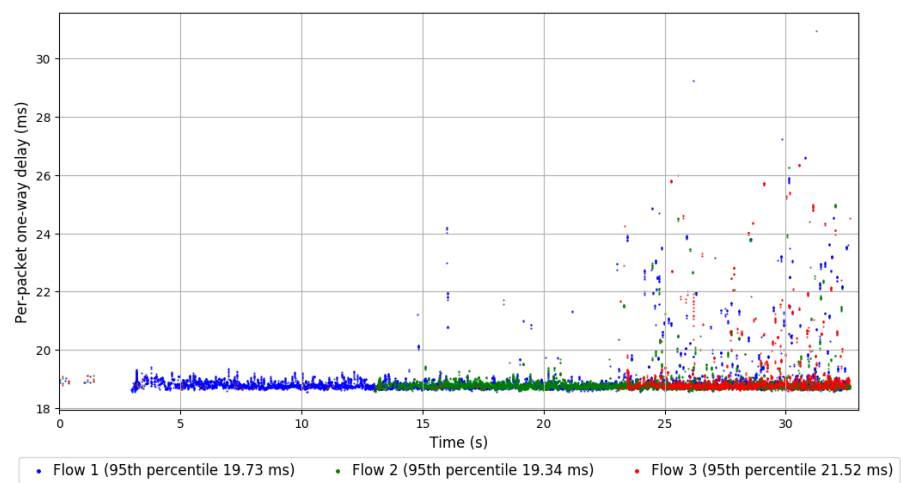
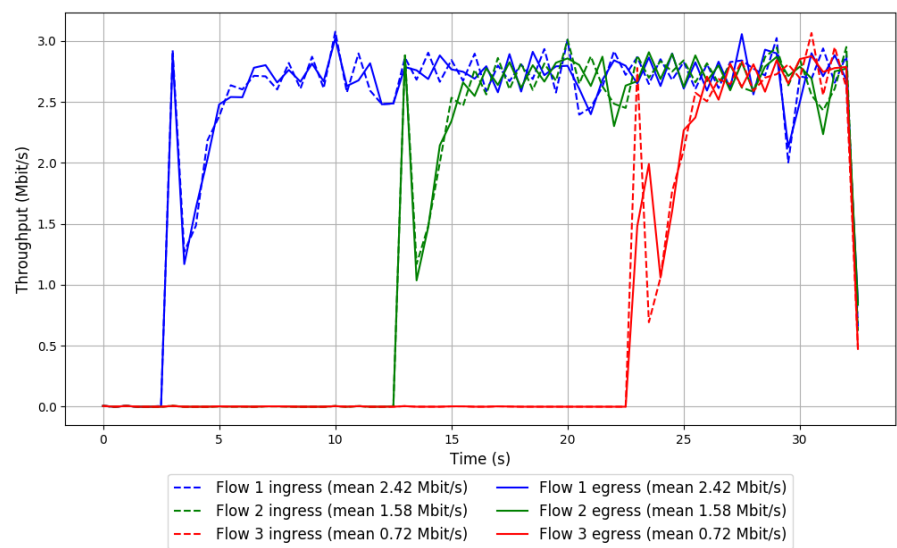


Run 2: Statistics of WebRTC media

Start at: 2018-02-13 18:57:44
End at: 2018-02-13 18:58:14
Local clock offset: -1.044 ms
Remote clock offset: -6.525 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 19.891 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 19.735 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.345 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 21.519 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

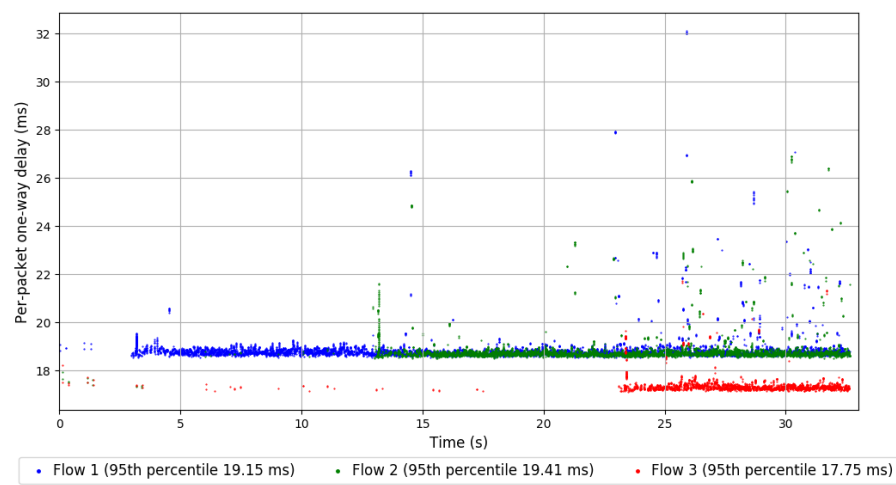
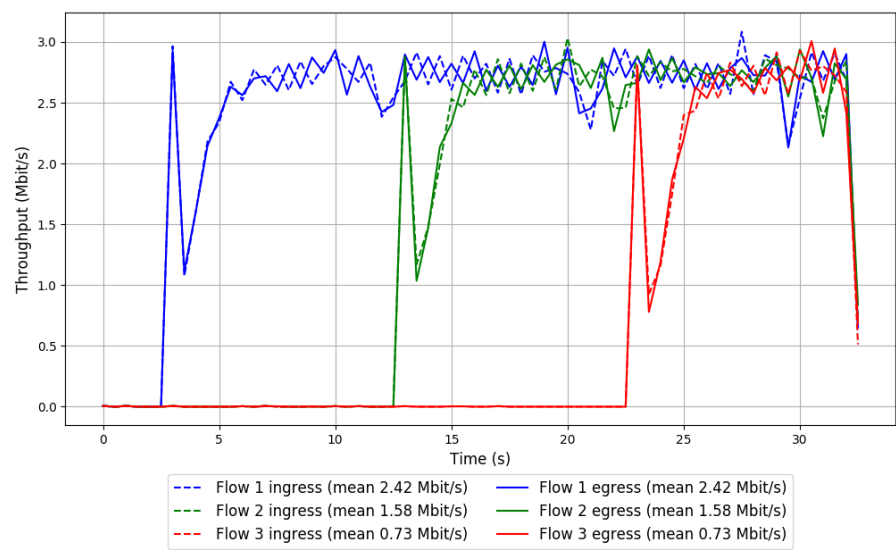


Run 3: Statistics of WebRTC media

Start at: 2018-02-13 19:27:24
End at: 2018-02-13 19:27:54
Local clock offset: 0.433 ms
Remote clock offset: -6.721 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 17.751 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

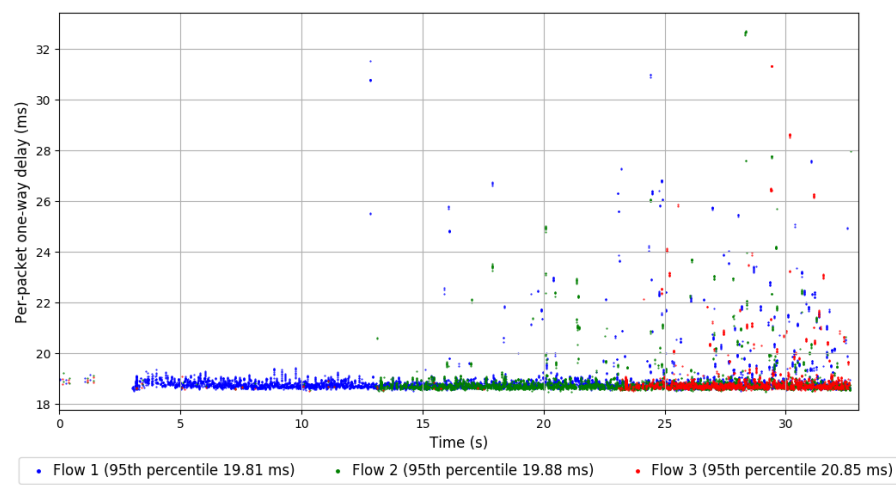
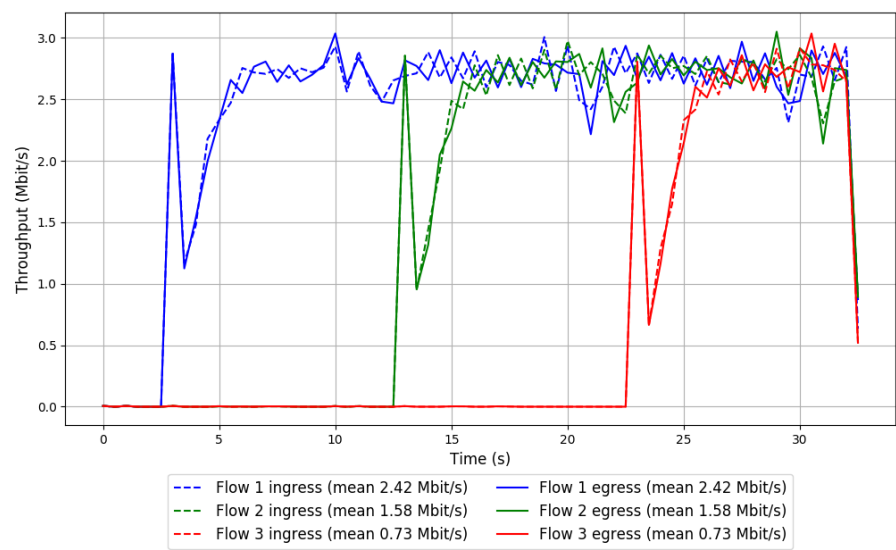


Run 4: Statistics of WebRTC media

Start at: 2018-02-13 19:56:45
End at: 2018-02-13 19:57:15
Local clock offset: -0.446 ms
Remote clock offset: -6.729 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 20.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 19.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.878 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 20.853 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

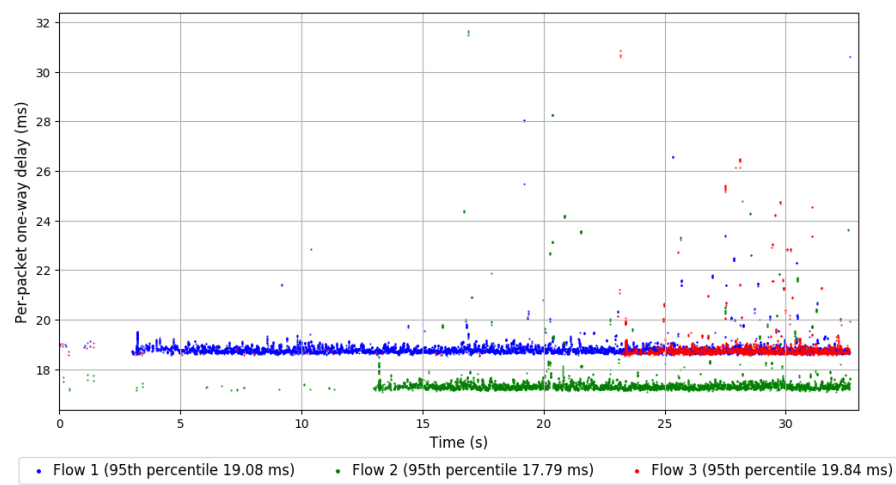
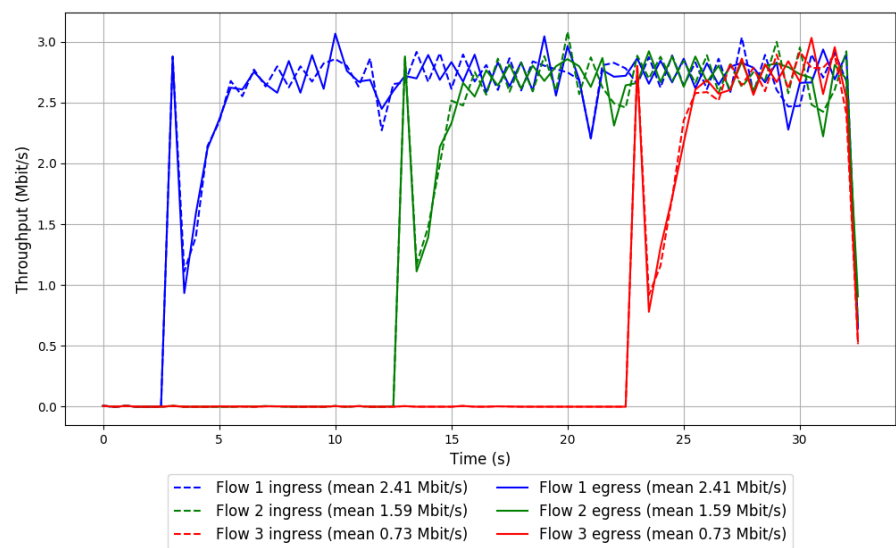


Run 5: Statistics of WebRTC media

Start at: 2018-02-13 20:26:17
End at: 2018-02-13 20:26:47
Local clock offset: -0.163 ms
Remote clock offset: -6.877 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 19.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 17.794 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 19.843 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-02-13 20:55:30

End at: 2018-02-13 20:56:00

Local clock offset: -0.059 ms

Remote clock offset: -5.54 ms

Below is generated by plot.py at 2018-02-14 02:50:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 19.326 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 20.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 17.695 ms

Loss rate: 0.00%

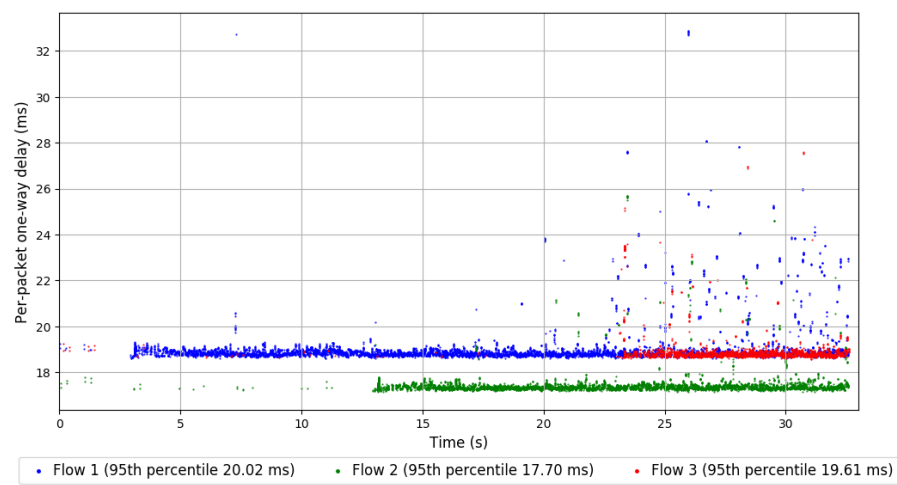
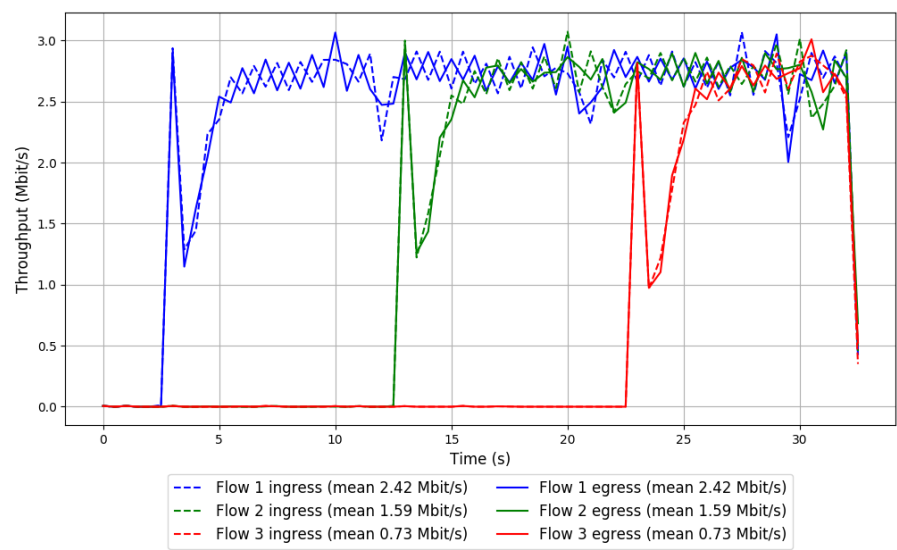
-- Flow 3:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 19.606 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

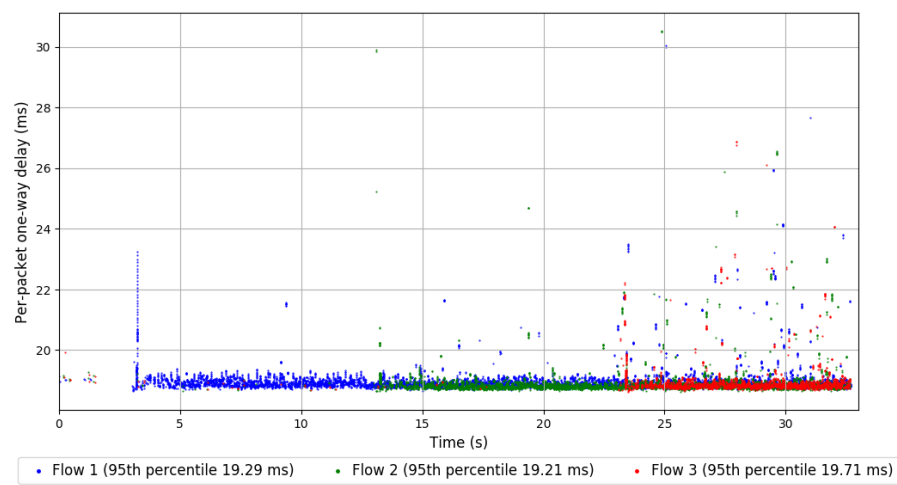
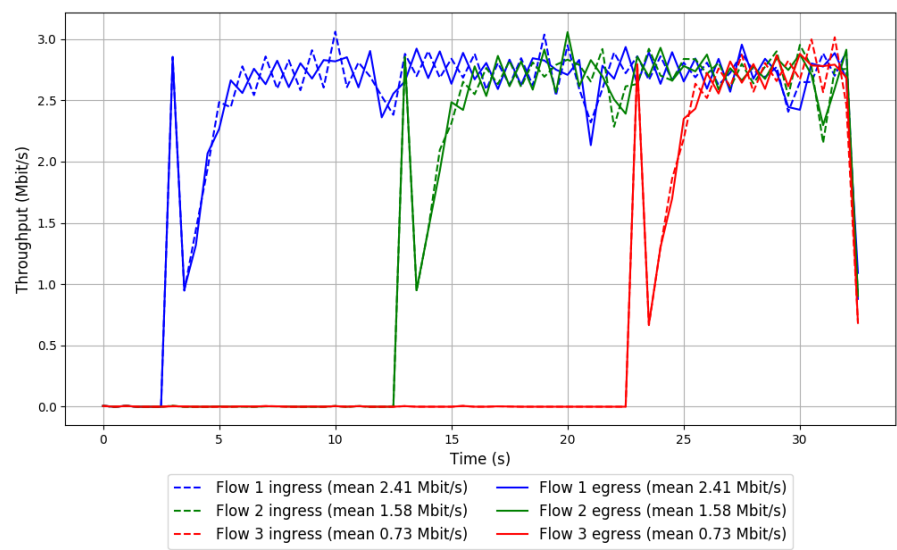


Run 7: Statistics of WebRTC media

Start at: 2018-02-13 21:24:47
End at: 2018-02-13 21:25:17
Local clock offset: 0.047 ms
Remote clock offset: -5.453 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.294 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.211 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 19.708 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

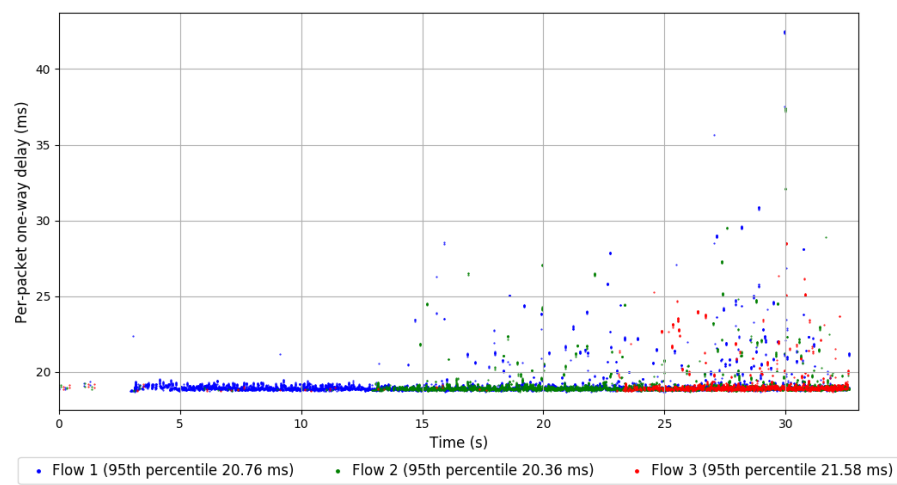
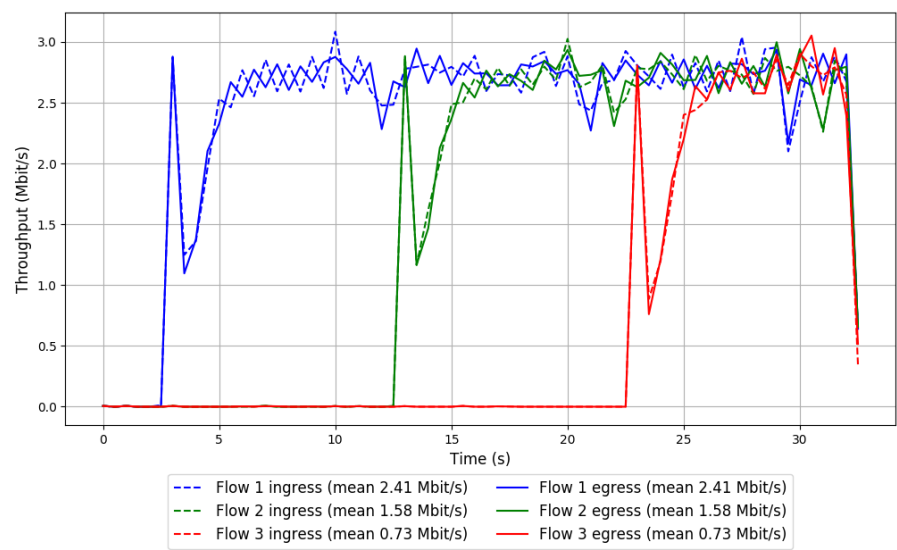


Run 8: Statistics of WebRTC media

Start at: 2018-02-13 21:54:06
End at: 2018-02-13 21:54:36
Local clock offset: 0.382 ms
Remote clock offset: -6.139 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 20.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 20.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 20.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 21.583 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

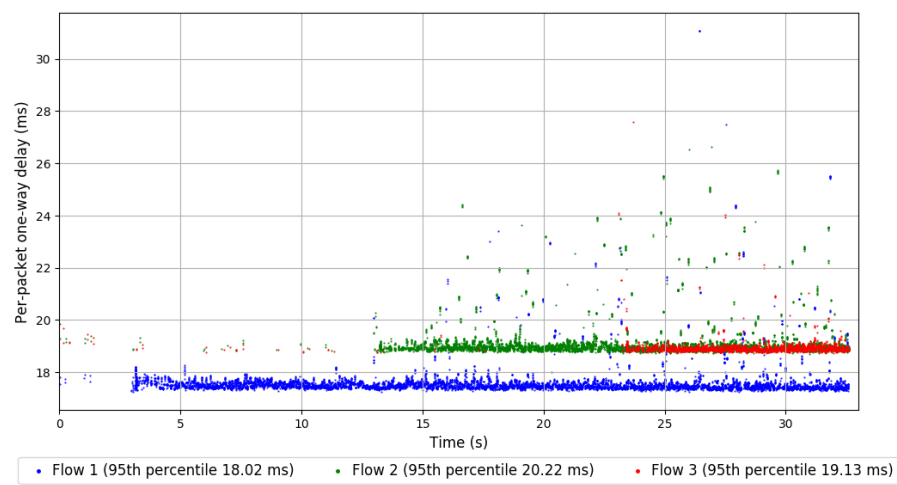
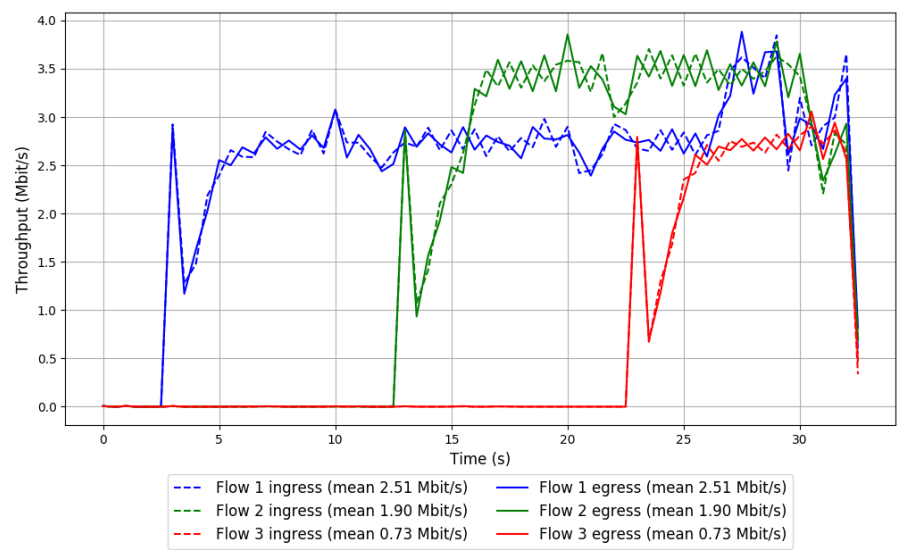


Run 9: Statistics of WebRTC media

Start at: 2018-02-13 22:23:33
End at: 2018-02-13 22:24:03
Local clock offset: 0.579 ms
Remote clock offset: -5.607 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 18.019 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 20.220 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

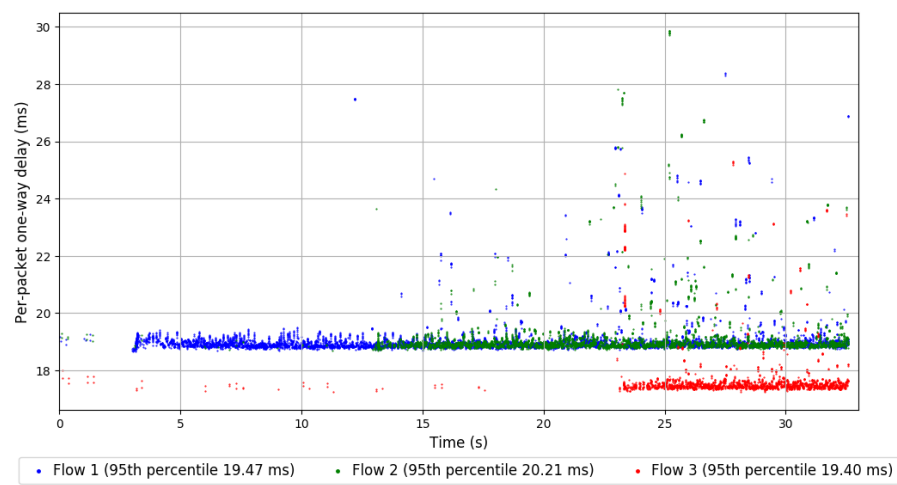
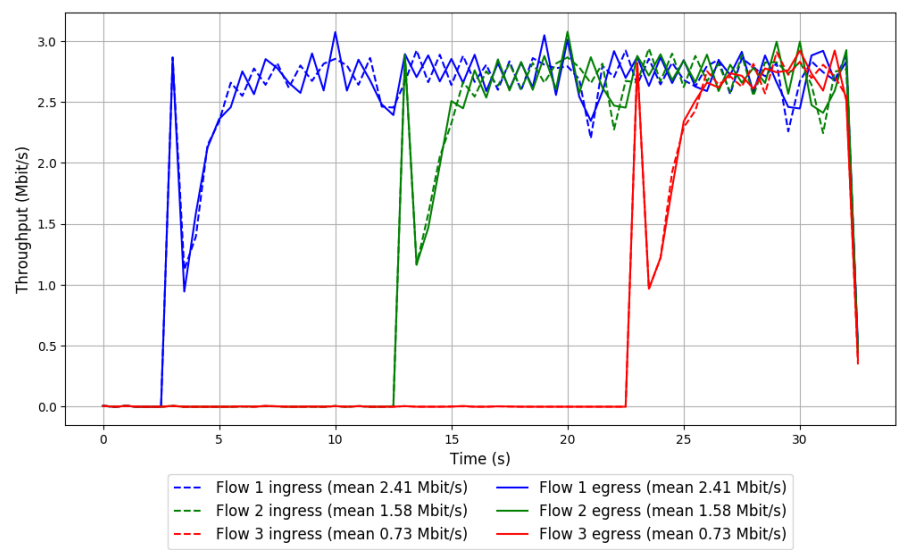


Run 10: Statistics of WebRTC media

Start at: 2018-02-13 22:53:03
End at: 2018-02-13 22:53:33
Local clock offset: 1.314 ms
Remote clock offset: -5.295 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 19.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.469 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 20.212 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 19.402 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

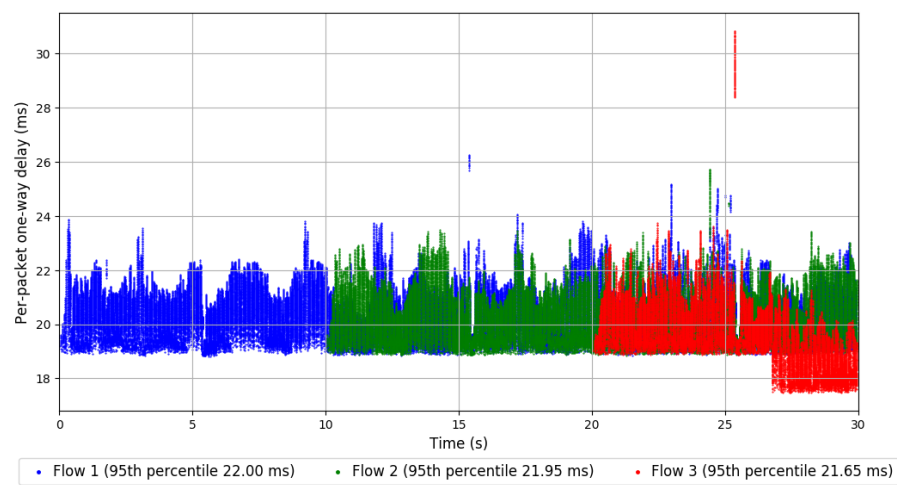
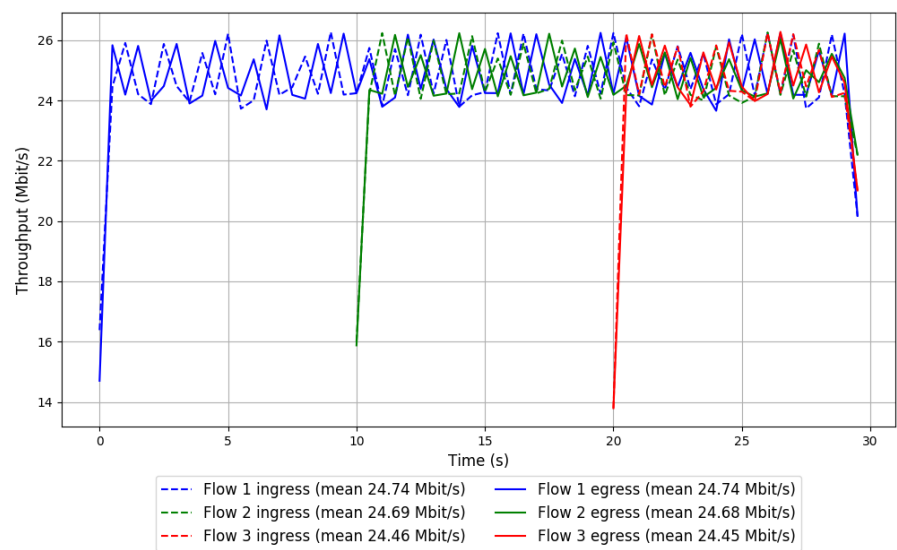


Run 1: Statistics of Sprout

Start at: 2018-02-13 18:27:02
End at: 2018-02-13 18:27:32
Local clock offset: -1.367 ms
Remote clock offset: -5.995 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 21.942 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.000 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 21.948 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 21.648 ms
Loss rate: 0.01%

Run 1: Report of Sprout — Data Link

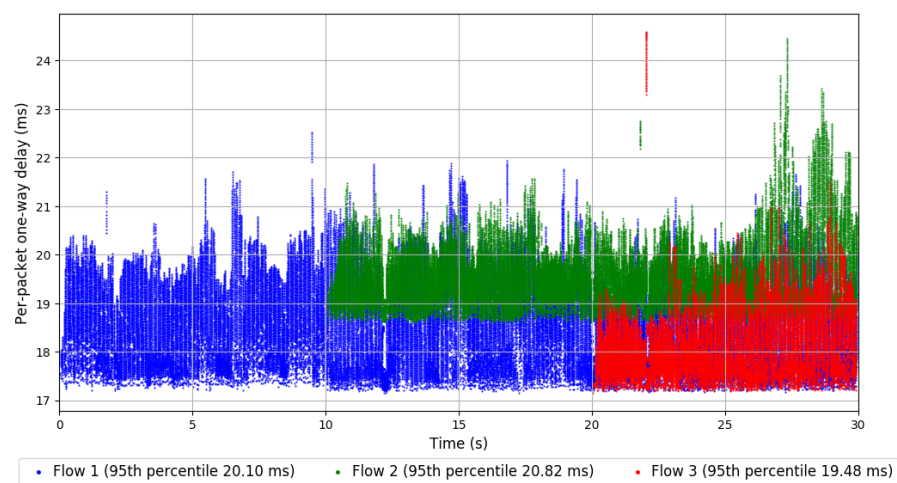
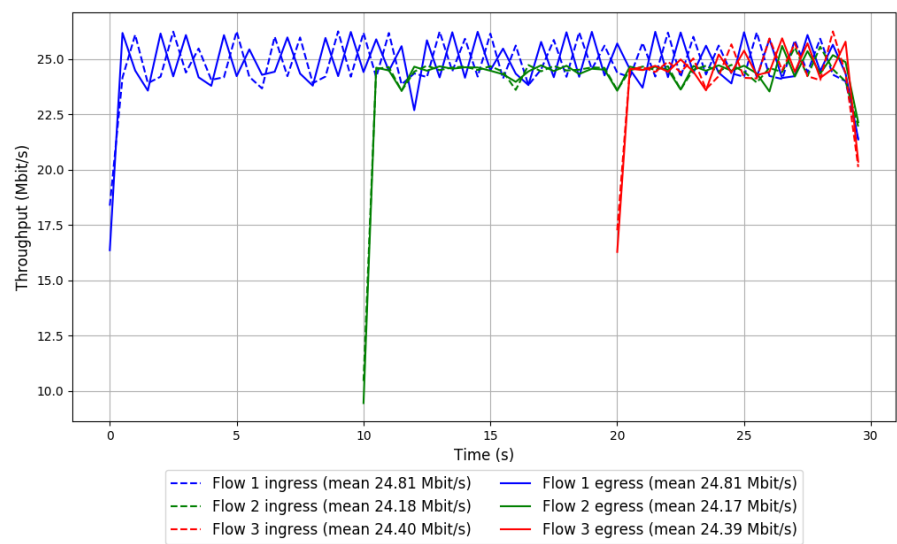


Run 2: Statistics of Sprout

Start at: 2018-02-13 18:56:24
End at: 2018-02-13 18:56:54
Local clock offset: -1.033 ms
Remote clock offset: -6.596 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 20.376 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.81 Mbit/s
95th percentile per-packet one-way delay: 20.098 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 20.821 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 19.482 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

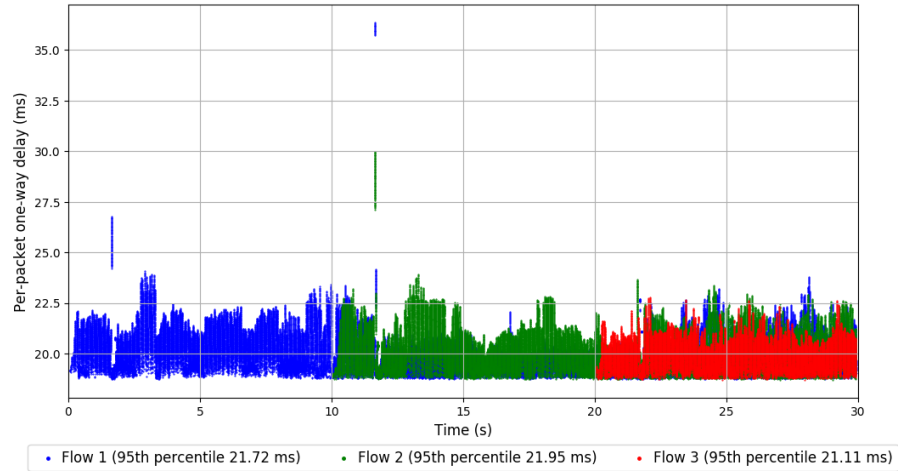
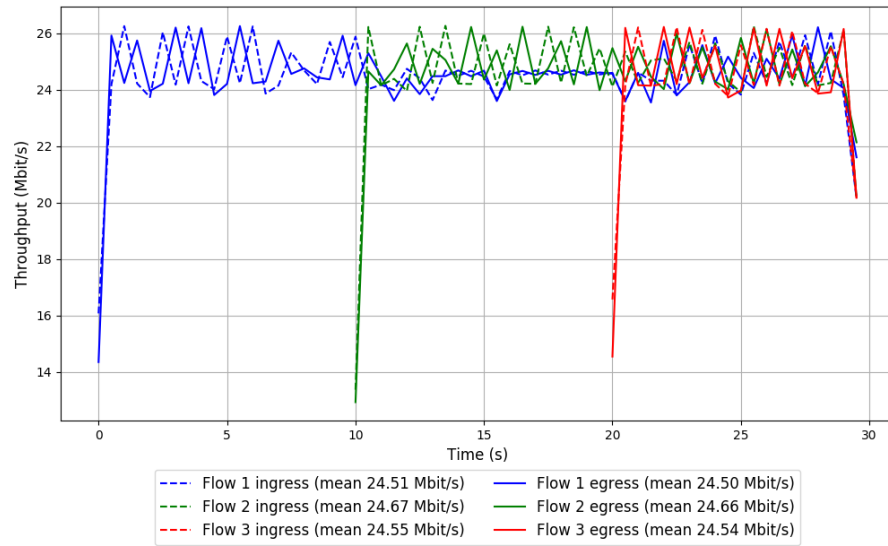


Run 3: Statistics of Sprout

Start at: 2018-02-13 19:26:04
End at: 2018-02-13 19:26:34
Local clock offset: 0.413 ms
Remote clock offset: -6.631 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 21.737 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 21.716 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 21.950 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.112 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

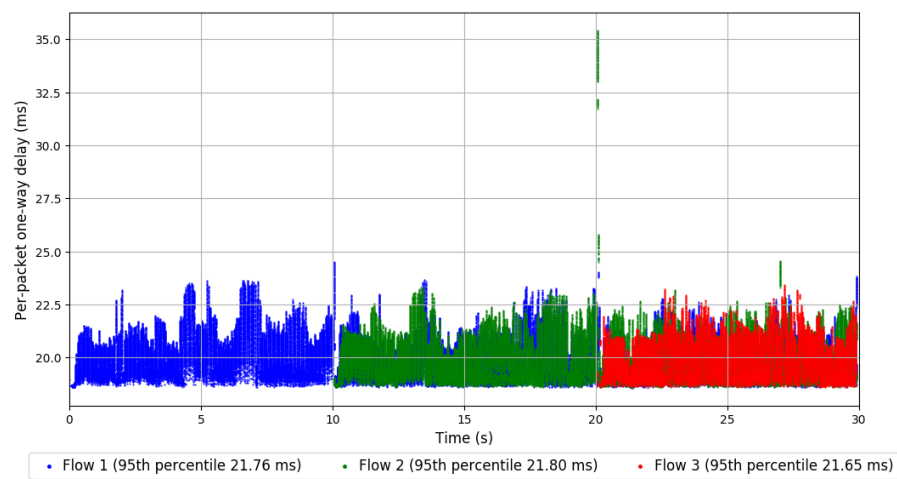
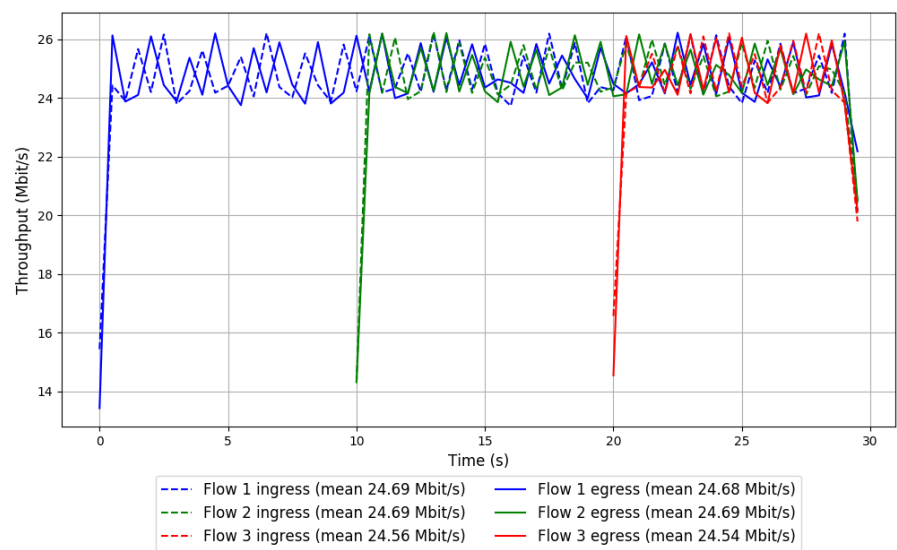


Run 4: Statistics of Sprout

Start at: 2018-02-13 19:55:25
End at: 2018-02-13 19:55:55
Local clock offset: -0.412 ms
Remote clock offset: -6.72 ms

```
# Below is generated by plot.py at 2018-02-14 02:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 21.762 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 21.762 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 21.804 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.653 ms
Loss rate: 0.02%
```

Run 4: Report of Sprout — Data Link

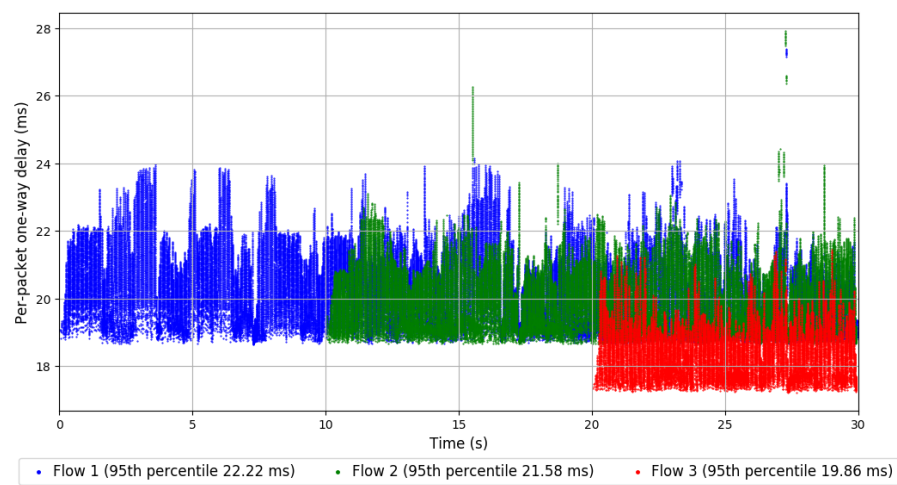
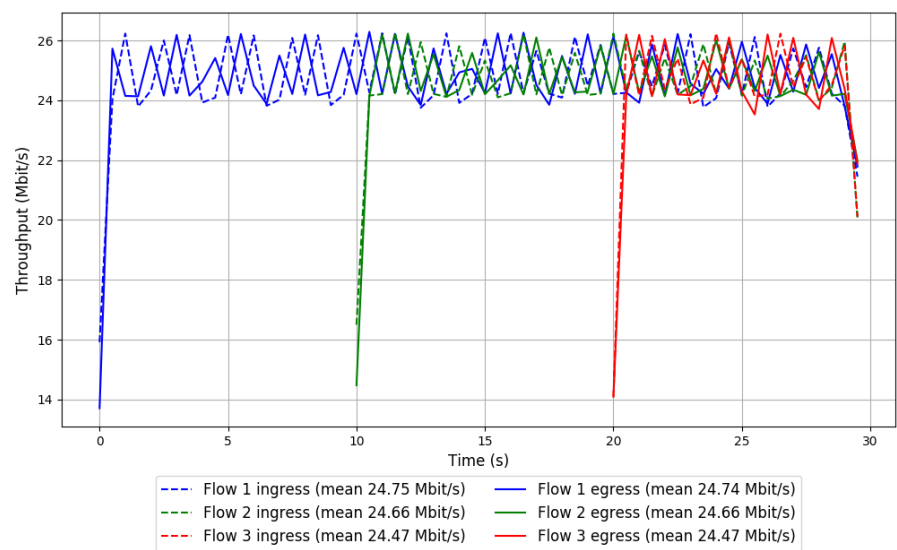


Run 5: Statistics of Sprout

Start at: 2018-02-13 20:24:58
End at: 2018-02-13 20:25:28
Local clock offset: -0.181 ms
Remote clock offset: -6.835 ms

```
# Below is generated by plot.py at 2018-02-14 02:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 21.869 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.218 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 21.580 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 19.858 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

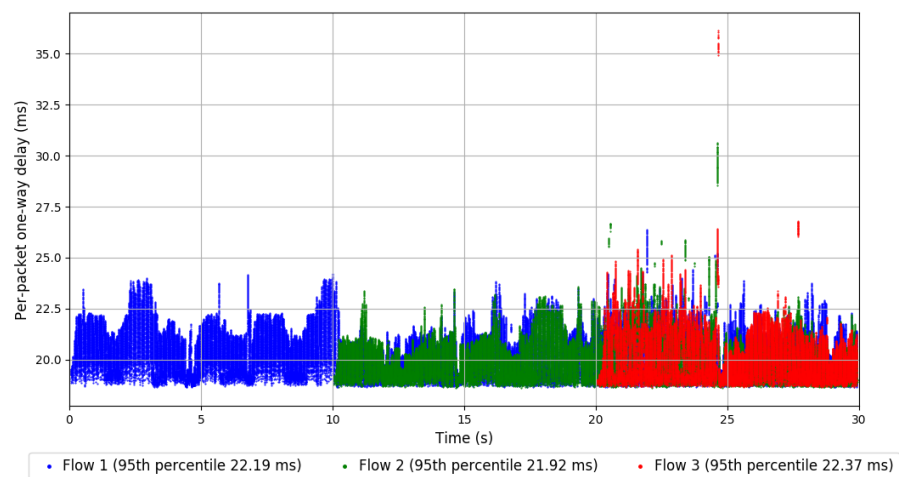
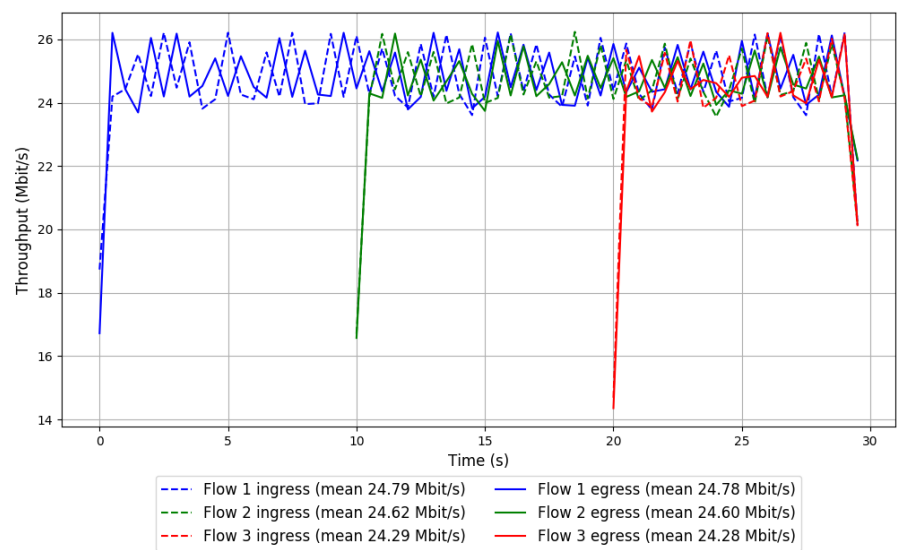


Run 6: Statistics of Sprout

Start at: 2018-02-13 20:54:10
End at: 2018-02-13 20:54:40
Local clock offset: -0.078 ms
Remote clock offset: -5.603 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 22.153 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 22.193 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 21.922 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 22.372 ms
Loss rate: 0.06%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-02-13 21:23:27

End at: 2018-02-13 21:23:57

Local clock offset: 0.027 ms

Remote clock offset: -5.35 ms

Below is generated by plot.py at 2018-02-14 02:50:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.14 Mbit/s

95th percentile per-packet one-way delay: 22.446 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 22.829 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 20.719 ms

Loss rate: 0.12%

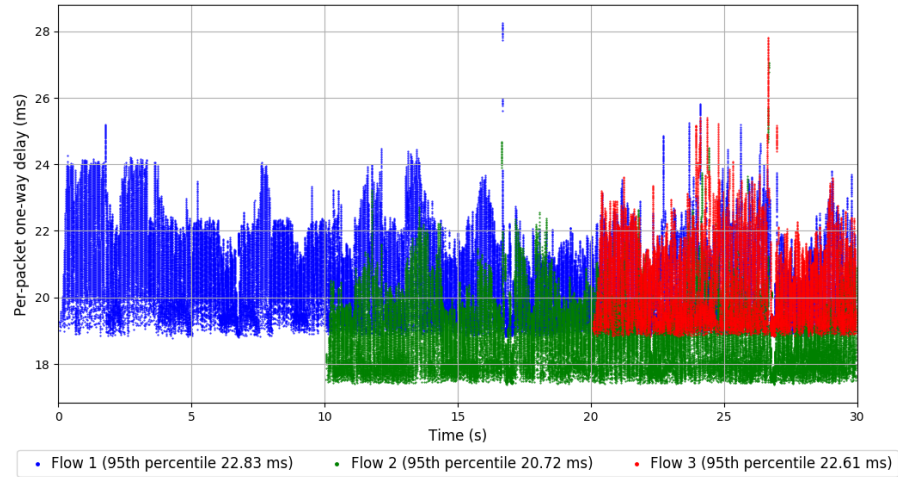
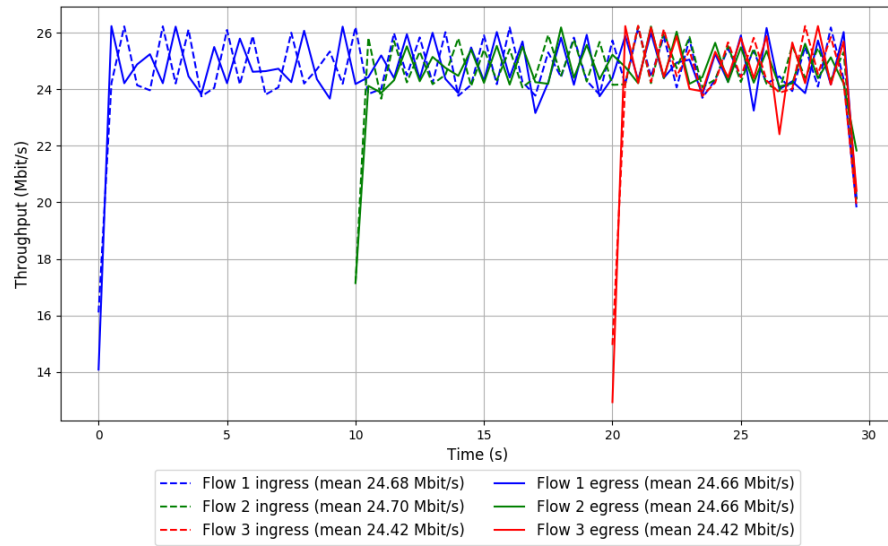
-- Flow 3:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 22.608 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

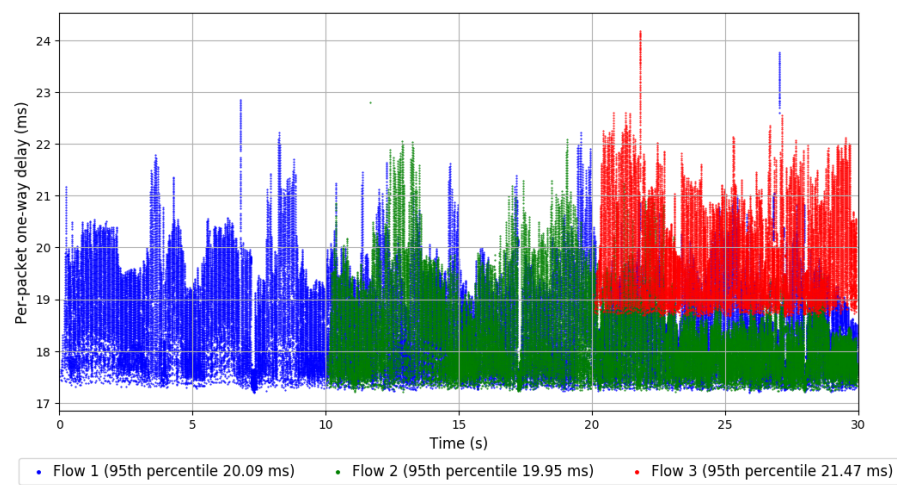
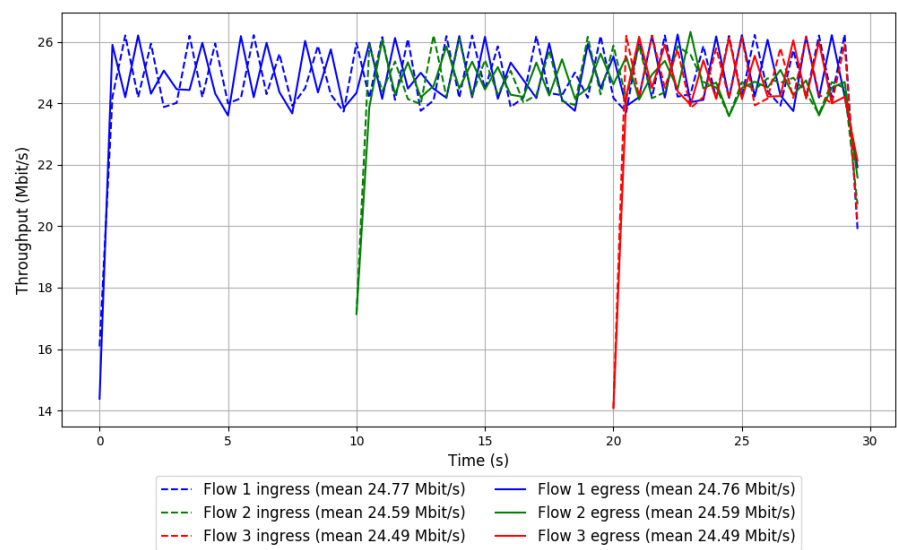


Run 8: Statistics of Sprout

Start at: 2018-02-13 21:52:46
End at: 2018-02-13 21:53:16
Local clock offset: 0.465 ms
Remote clock offset: -6.13 ms

```
# Below is generated by plot.py at 2018-02-14 02:50:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 20.611 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 20.088 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 19.946 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 21.469 ms
Loss rate: 0.01%
```

Run 8: Report of Sprout — Data Link

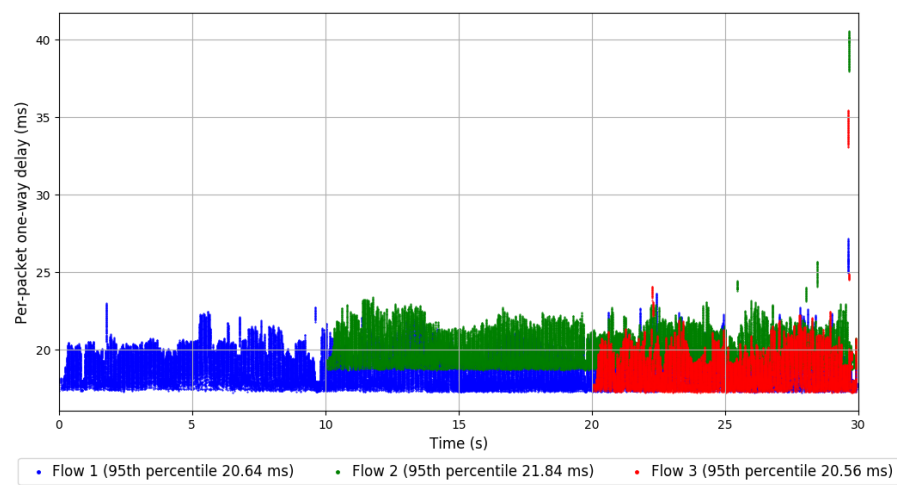
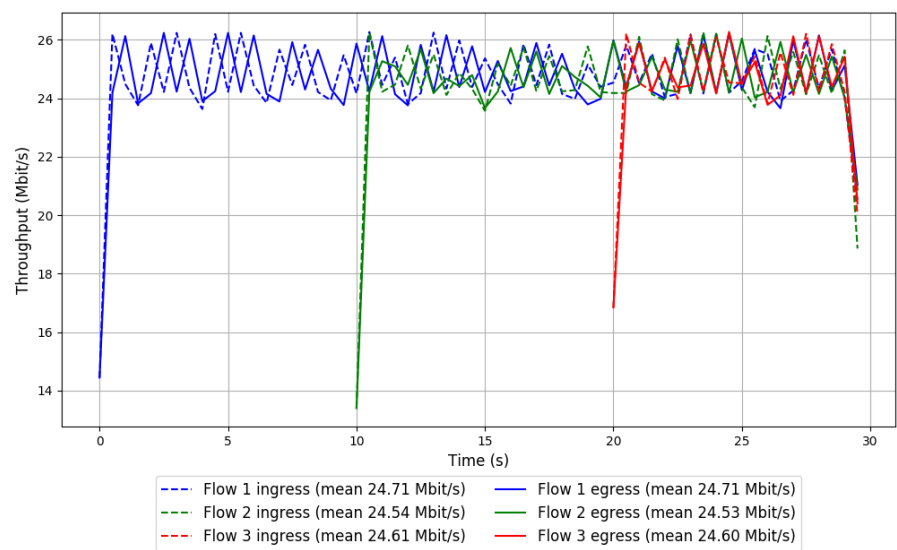


Run 9: Statistics of Sprout

Start at: 2018-02-13 22:22:13
End at: 2018-02-13 22:22:43
Local clock offset: 0.662 ms
Remote clock offset: -5.724 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 21.345 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 20.637 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.53 Mbit/s
95th percentile per-packet one-way delay: 21.841 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 20.558 ms
Loss rate: 0.01%

Run 9: Report of Sprout — Data Link

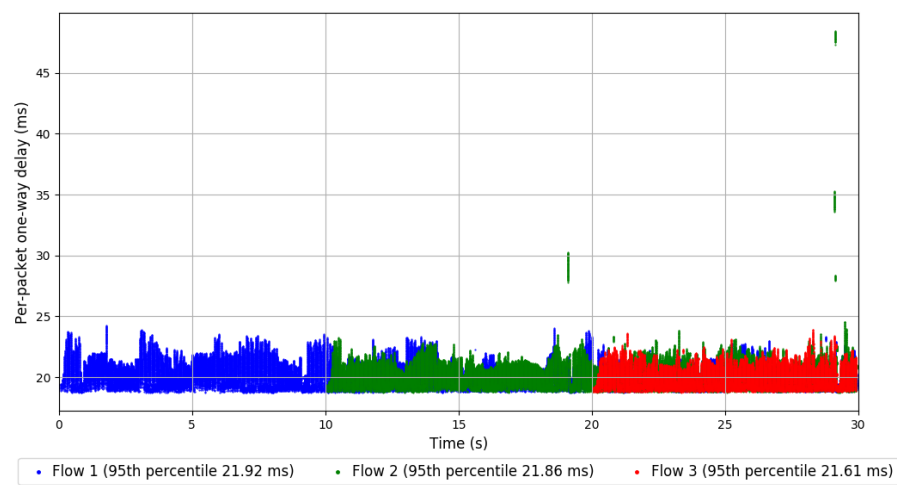
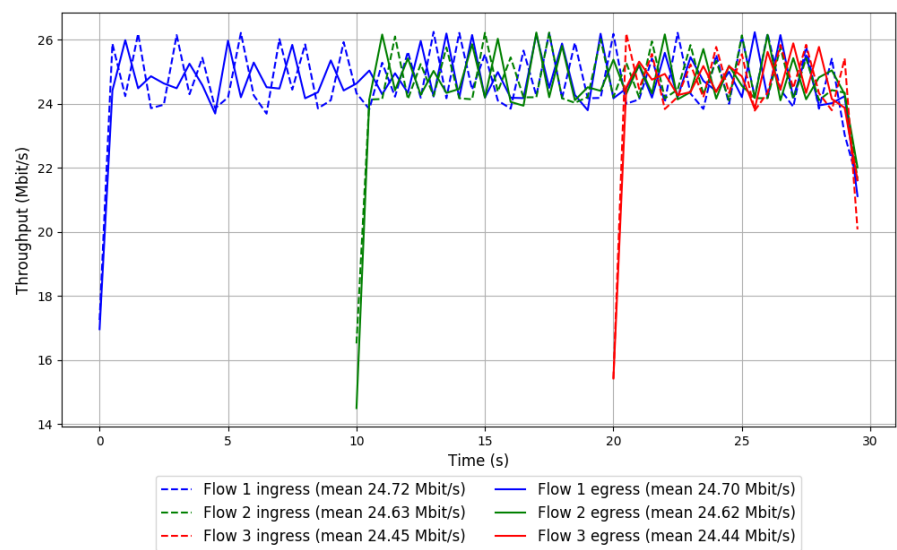


Run 10: Statistics of Sprout

Start at: 2018-02-13 22:51:43
End at: 2018-02-13 22:52:13
Local clock offset: 1.298 ms
Remote clock offset: -5.188 ms

Below is generated by plot.py at 2018-02-14 02:50:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 21.847 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 21.916 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 21.861 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 21.614 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

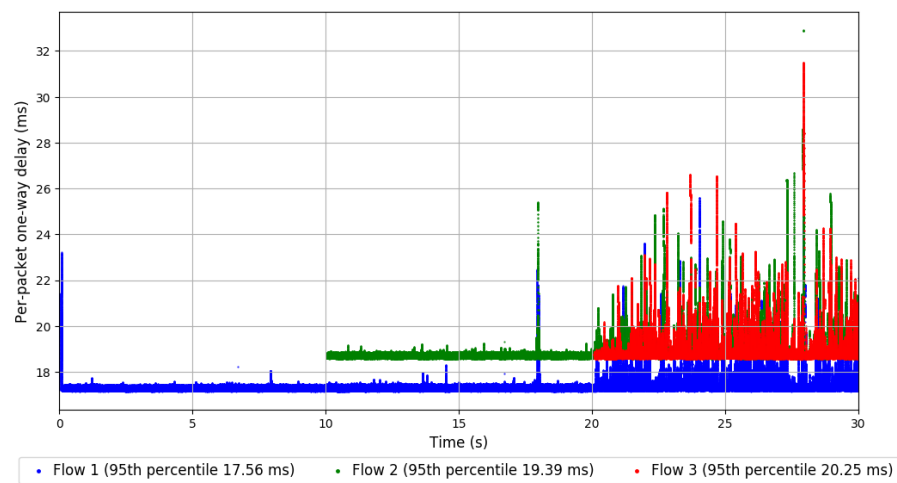
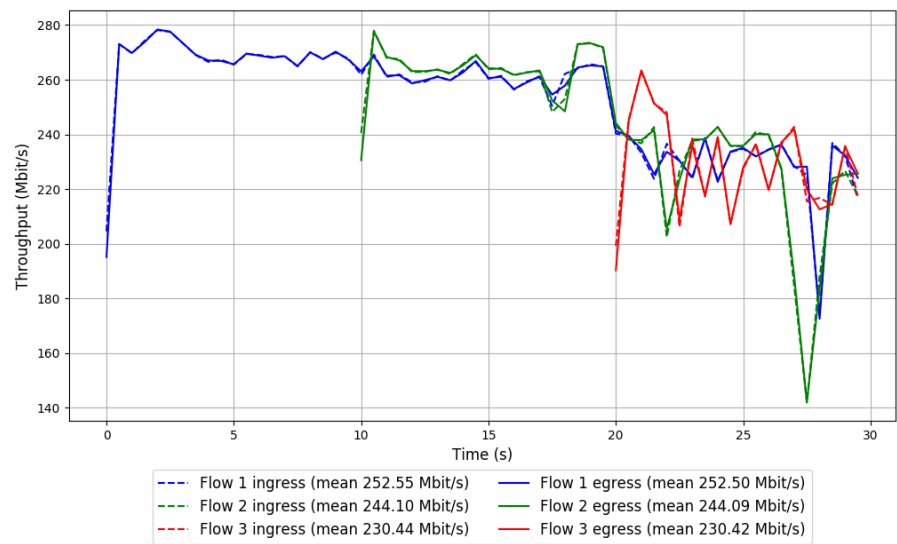


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-13 18:25:09
End at: 2018-02-13 18:25:39
Local clock offset: -1.172 ms
Remote clock offset: -5.964 ms

# Below is generated by plot.py at 2018-02-14 02:57:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.38 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 252.50 Mbit/s
95th percentile per-packet one-way delay: 17.563 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 244.09 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 230.42 Mbit/s
95th percentile per-packet one-way delay: 20.254 ms
Loss rate: 0.01%
```


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

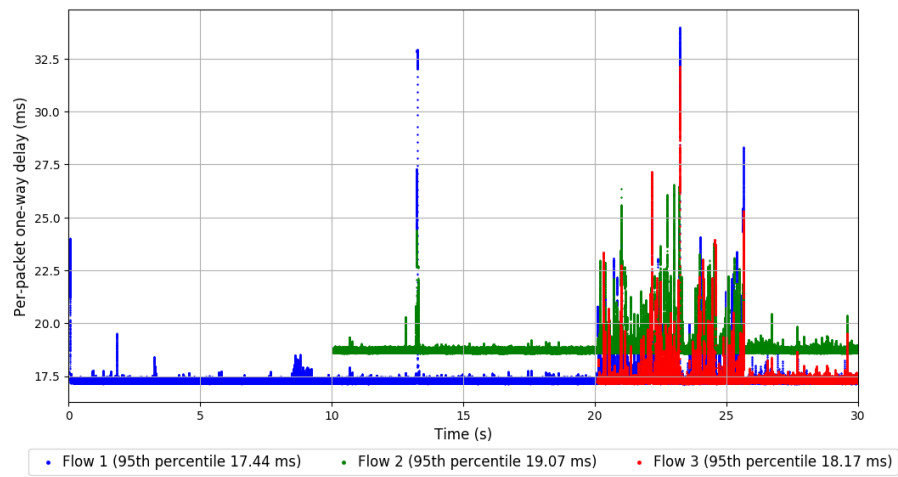
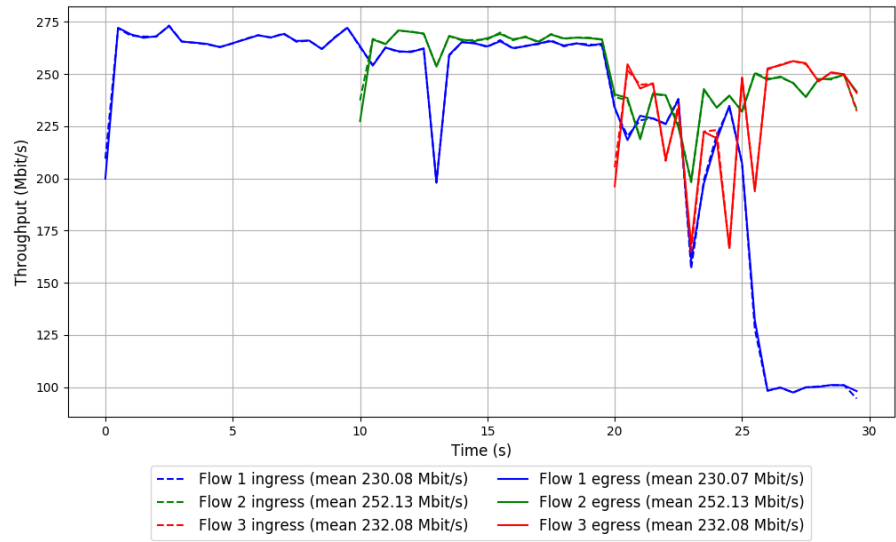


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-13 18:54:33
End at: 2018-02-13 18:55:03
Local clock offset: -0.976 ms
Remote clock offset: -6.574 ms

Below is generated by plot.py at 2018-02-14 02:57:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.82 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 230.07 Mbit/s
95th percentile per-packet one-way delay: 17.444 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 252.13 Mbit/s
95th percentile per-packet one-way delay: 19.071 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 232.08 Mbit/s
95th percentile per-packet one-way delay: 18.167 ms
Loss rate: 0.00%

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

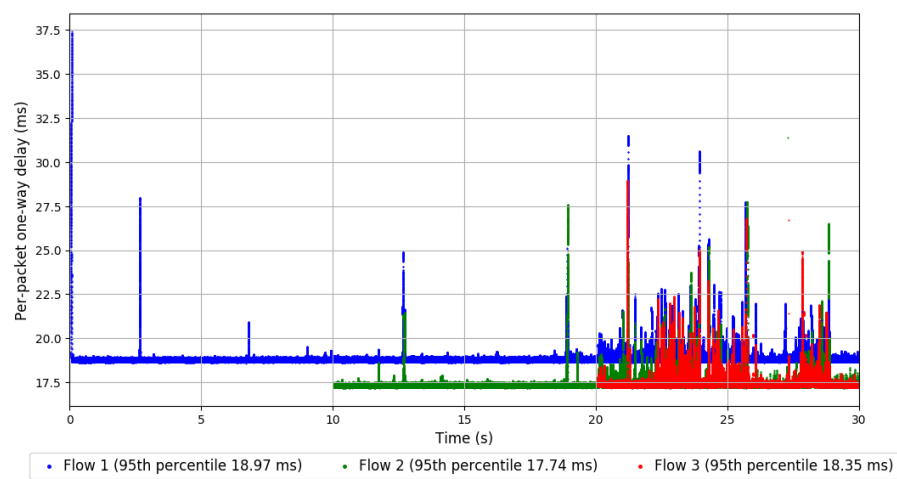
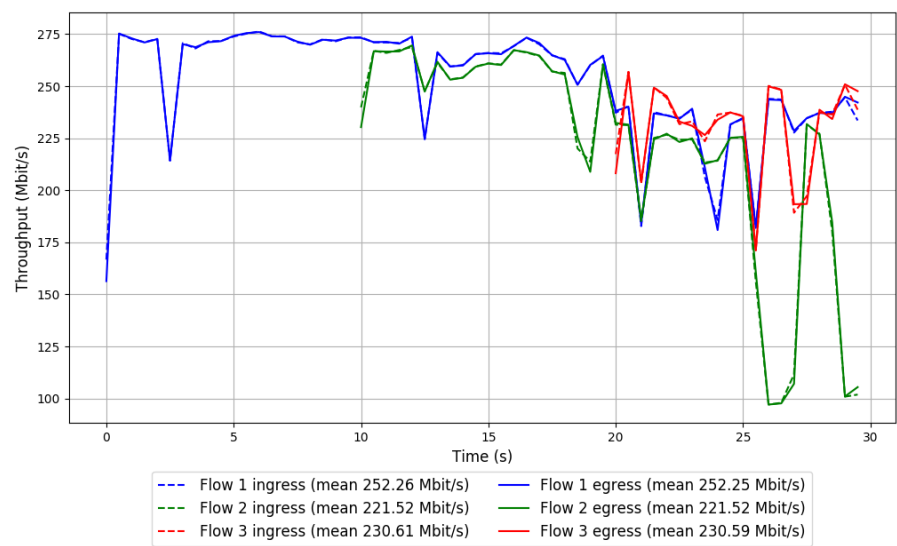


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-13 19:24:13
End at: 2018-02-13 19:24:43
Local clock offset: 0.381 ms
Remote clock offset: -6.742 ms

Below is generated by plot.py at 2018-02-14 02:57:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 476.33 Mbit/s
95th percentile per-packet one-way delay: 18.901 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 252.25 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 221.52 Mbit/s
95th percentile per-packet one-way delay: 17.742 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 230.59 Mbit/s
95th percentile per-packet one-way delay: 18.352 ms
Loss rate: 0.01%

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

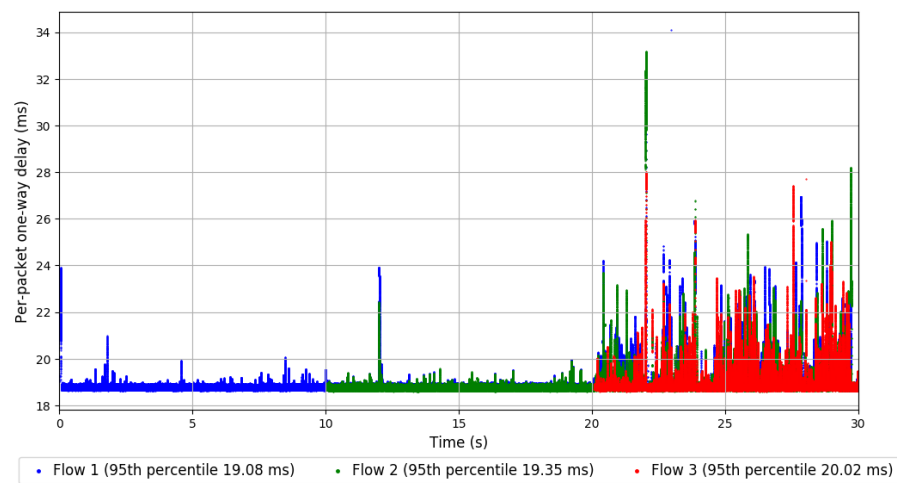
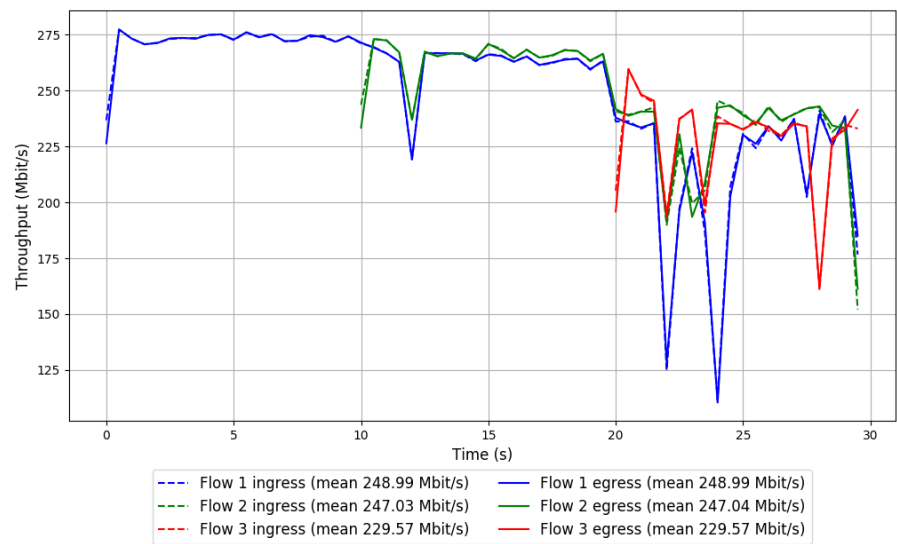


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-13 19:53:34
End at: 2018-02-13 19:54:04
Local clock offset: -0.381 ms
Remote clock offset: -6.661 ms

Below is generated by plot.py at 2018-02-14 02:57:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 489.54 Mbit/s
95th percentile per-packet one-way delay: 19.352 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 248.99 Mbit/s
95th percentile per-packet one-way delay: 19.079 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 247.04 Mbit/s
95th percentile per-packet one-way delay: 19.350 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 229.57 Mbit/s
95th percentile per-packet one-way delay: 20.020 ms
Loss rate: 0.02%

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

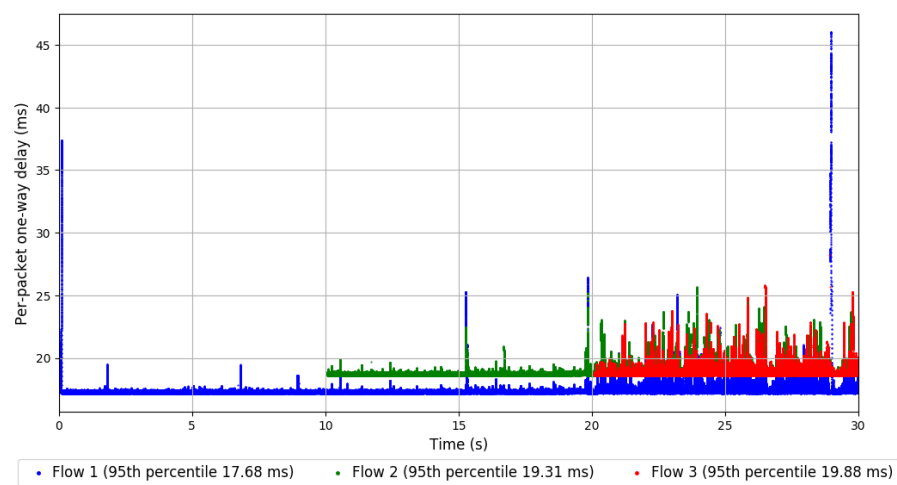
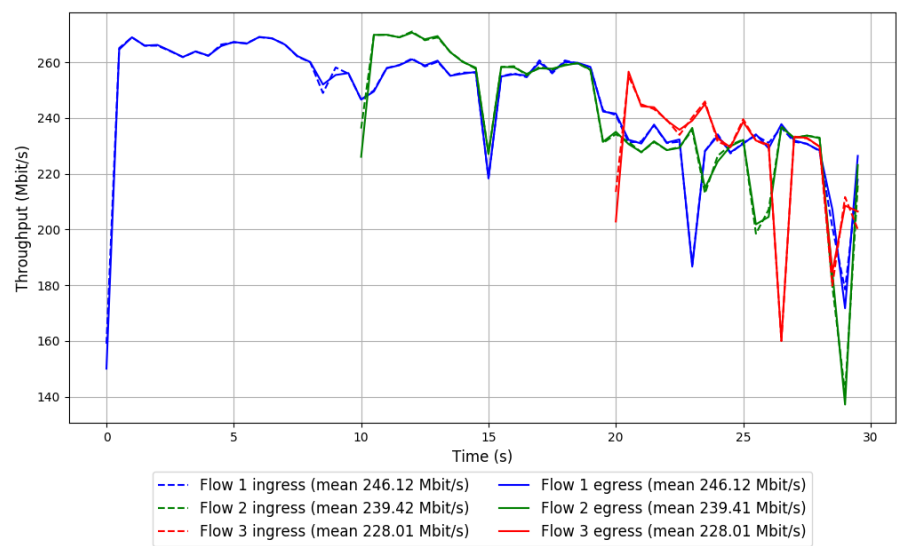


Run 5: Statistics of TaoVA-100x

Start at: 2018-02-13 20:23:06
End at: 2018-02-13 20:23:36
Local clock offset: -0.198 ms
Remote clock offset: -6.848 ms

Below is generated by plot.py at 2018-02-14 02:57:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 481.05 Mbit/s
95th percentile per-packet one-way delay: 19.079 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 246.12 Mbit/s
95th percentile per-packet one-way delay: 17.685 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 239.41 Mbit/s
95th percentile per-packet one-way delay: 19.308 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 228.01 Mbit/s
95th percentile per-packet one-way delay: 19.882 ms
Loss rate: 0.01%

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

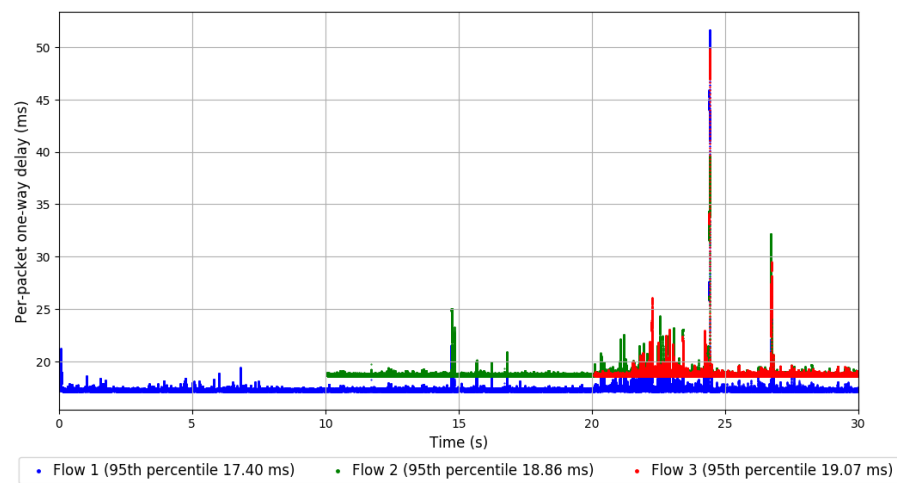
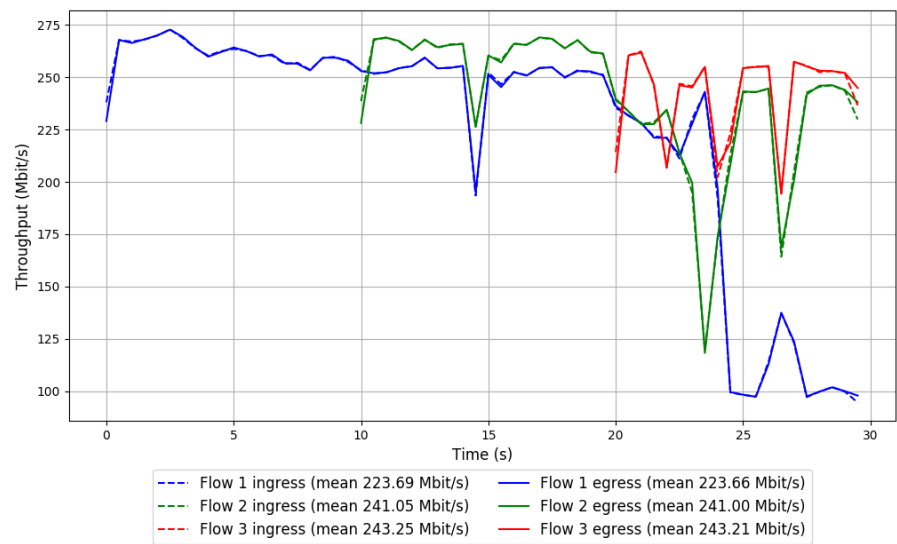


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-13 20:52:20
End at: 2018-02-13 20:52:50
Local clock offset: -0.073 ms
Remote clock offset: -5.667 ms

Below is generated by plot.py at 2018-02-14 02:57:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 464.68 Mbit/s
95th percentile per-packet one-way delay: 18.813 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 223.66 Mbit/s
95th percentile per-packet one-way delay: 17.399 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 241.00 Mbit/s
95th percentile per-packet one-way delay: 18.858 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 243.21 Mbit/s
95th percentile per-packet one-way delay: 19.065 ms
Loss rate: 0.03%

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

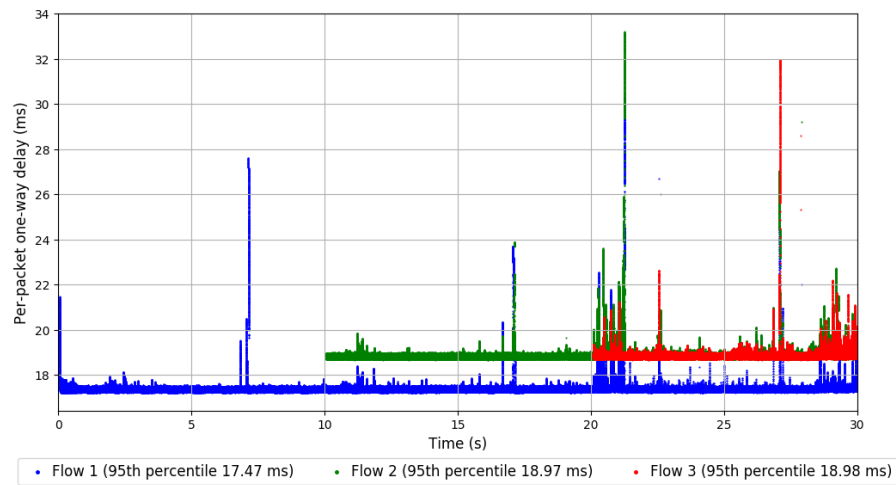
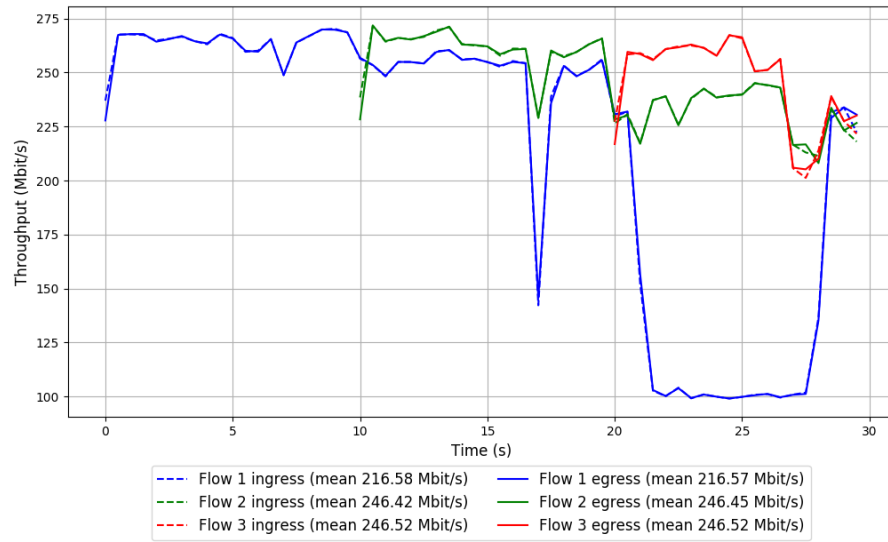


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-13 21:21:37
End at: 2018-02-13 21:22:07
Local clock offset: 0.081 ms
Remote clock offset: -5.386 ms

Below is generated by plot.py at 2018-02-14 03:00:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 462.51 Mbit/s
95th percentile per-packet one-way delay: 18.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.57 Mbit/s
95th percentile per-packet one-way delay: 17.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 246.45 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 246.52 Mbit/s
95th percentile per-packet one-way delay: 18.976 ms
Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-02-13 21:50:54

End at: 2018-02-13 21:51:24

Local clock offset: 0.456 ms

Remote clock offset: -6.07 ms

Below is generated by plot.py at 2018-02-14 03:03:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 491.64 Mbit/s

95th percentile per-packet one-way delay: 19.302 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 252.20 Mbit/s

95th percentile per-packet one-way delay: 19.208 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 248.13 Mbit/s

95th percentile per-packet one-way delay: 18.112 ms

Loss rate: 0.00%

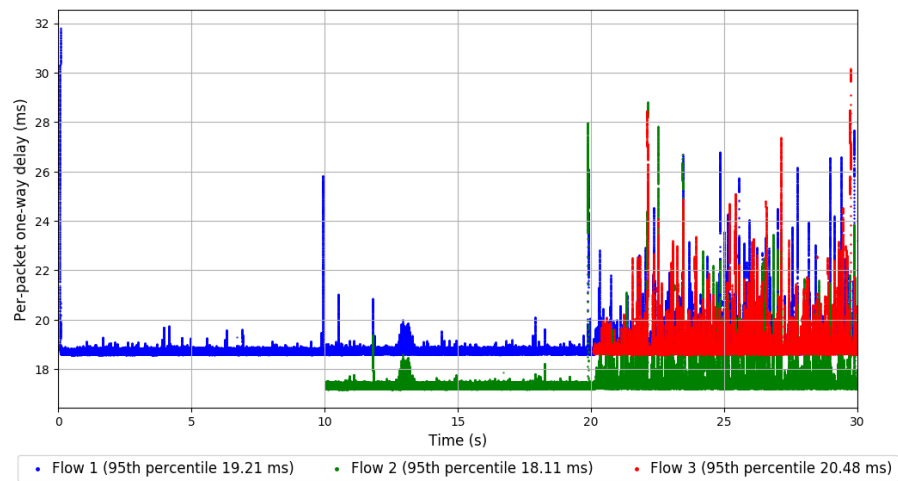
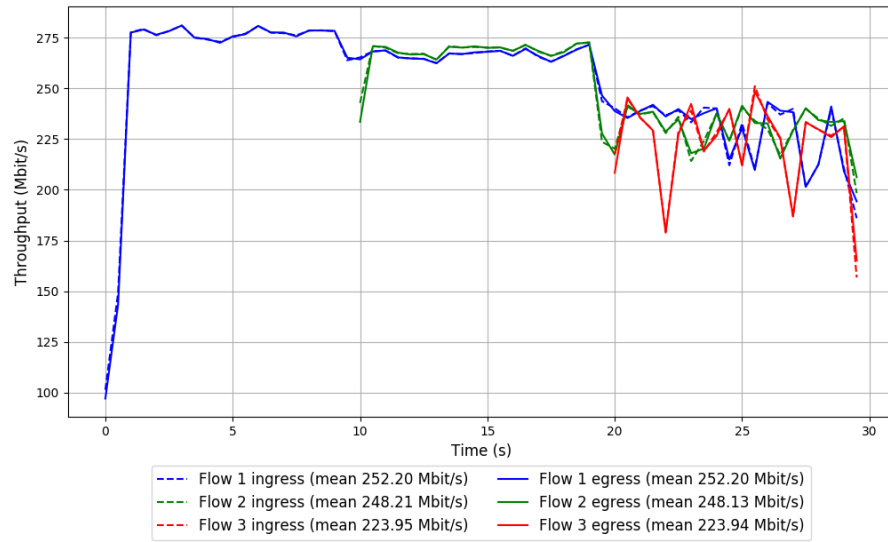
-- Flow 3:

Average throughput: 223.94 Mbit/s

95th percentile per-packet one-way delay: 20.480 ms

Loss rate: 0.02%

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

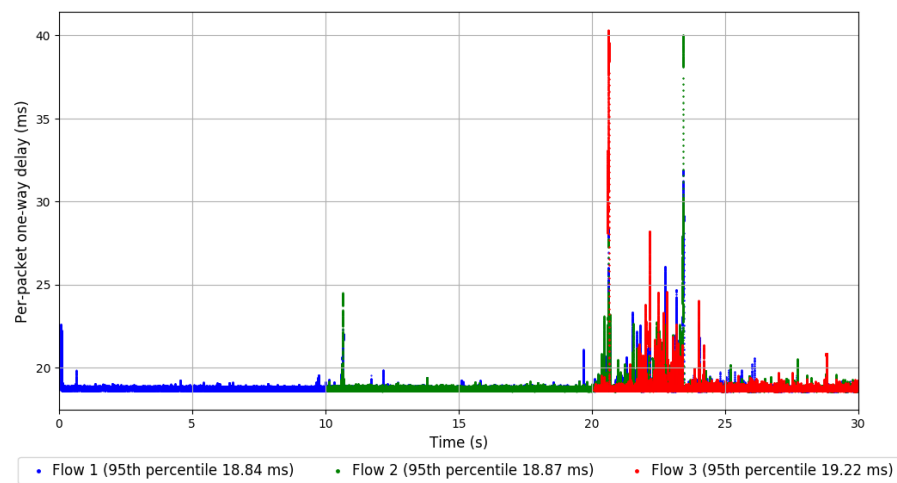
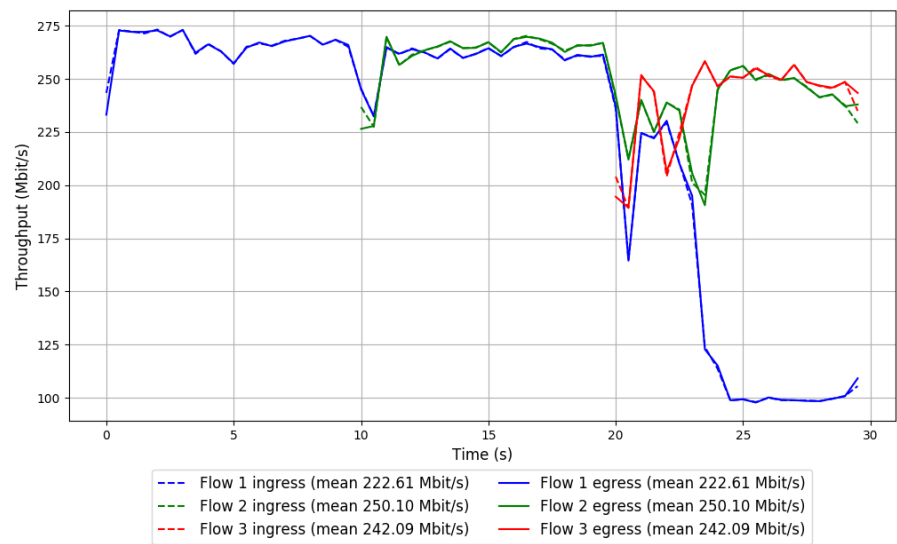


Run 9: Statistics of TaoVA-100x

Start at: 2018-02-13 22:20:22
End at: 2018-02-13 22:20:52
Local clock offset: 0.663 ms
Remote clock offset: -5.918 ms

Below is generated by plot.py at 2018-02-14 03:08:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 469.37 Mbit/s
95th percentile per-packet one-way delay: 18.876 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 222.61 Mbit/s
95th percentile per-packet one-way delay: 18.845 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 250.10 Mbit/s
95th percentile per-packet one-way delay: 18.872 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 242.09 Mbit/s
95th percentile per-packet one-way delay: 19.217 ms
Loss rate: 0.01%

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

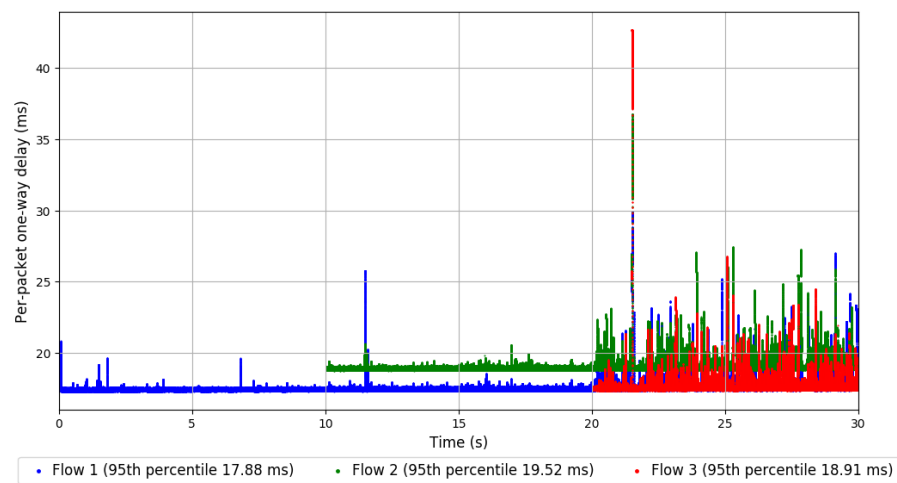
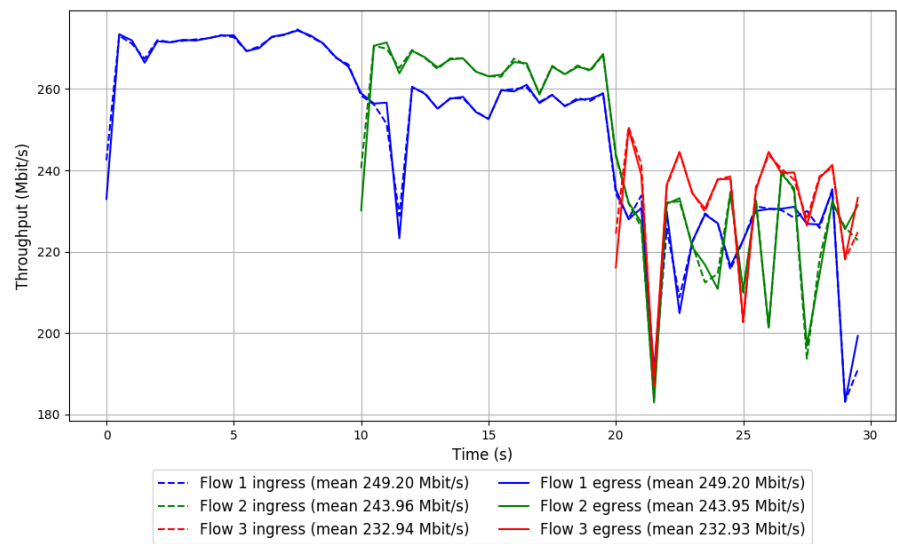


Run 10: Statistics of TaoVA-100x

Start at: 2018-02-13 22:49:51
End at: 2018-02-13 22:50:21
Local clock offset: 1.284 ms
Remote clock offset: -4.854 ms

Below is generated by plot.py at 2018-02-14 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 488.98 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 249.20 Mbit/s
95th percentile per-packet one-way delay: 17.881 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 243.95 Mbit/s
95th percentile per-packet one-way delay: 19.522 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 232.93 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.00%

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

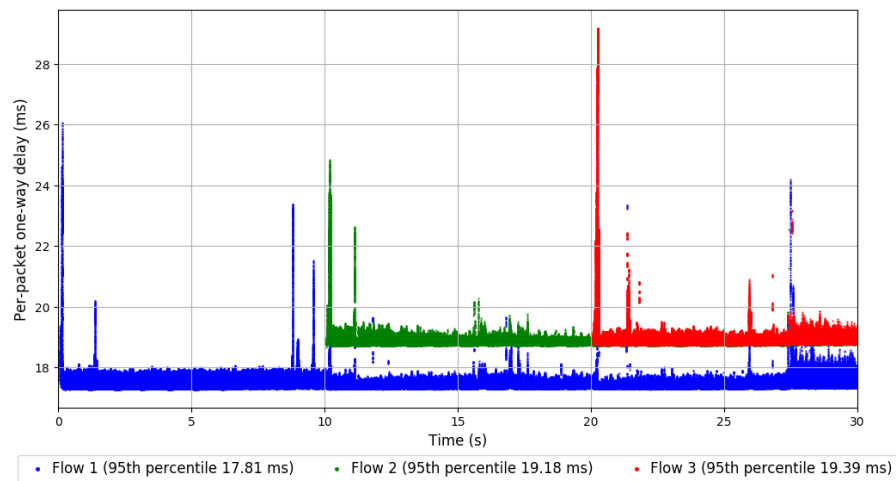
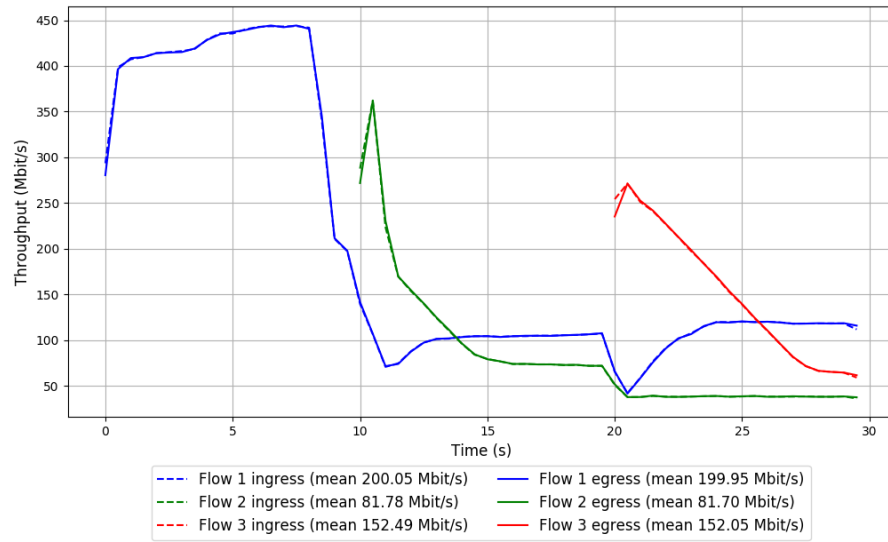


Run 1: Statistics of TCP Vegas

Start at: 2018-02-13 18:36:05
End at: 2018-02-13 18:36:35
Local clock offset: -0.927 ms
Remote clock offset: -6.356 ms

Below is generated by plot.py at 2018-02-14 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.83 Mbit/s
95th percentile per-packet one-way delay: 19.053 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 199.95 Mbit/s
95th percentile per-packet one-way delay: 17.806 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 81.70 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 152.05 Mbit/s
95th percentile per-packet one-way delay: 19.390 ms
Loss rate: 0.28%

Run 1: Report of TCP Vegas — Data Link

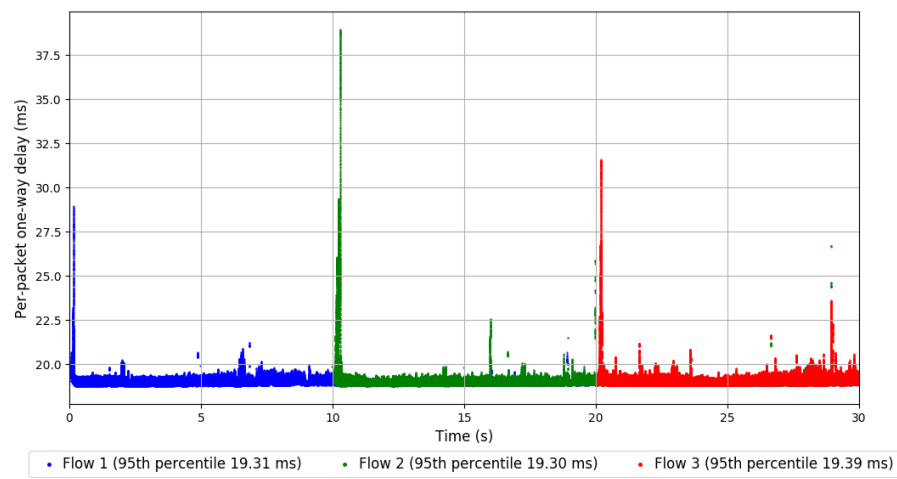
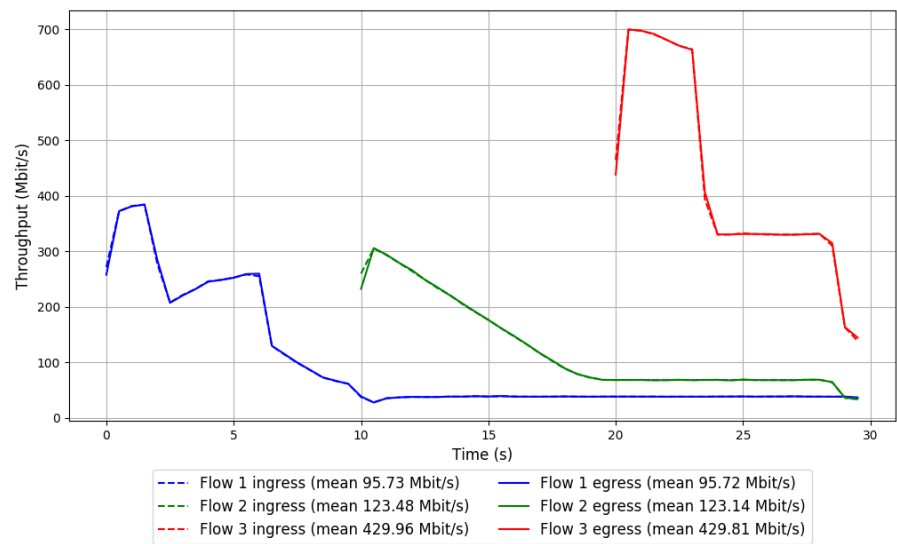


Run 2: Statistics of TCP Vegas

Start at: 2018-02-13 19:05:37
End at: 2018-02-13 19:06:07
Local clock offset: -0.581 ms
Remote clock offset: -6.555 ms

Below is generated by plot.py at 2018-02-14 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.34 Mbit/s
95th percentile per-packet one-way delay: 19.345 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 19.310 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 123.14 Mbit/s
95th percentile per-packet one-way delay: 19.301 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 429.81 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.03%

Run 2: Report of TCP Vegas — Data Link

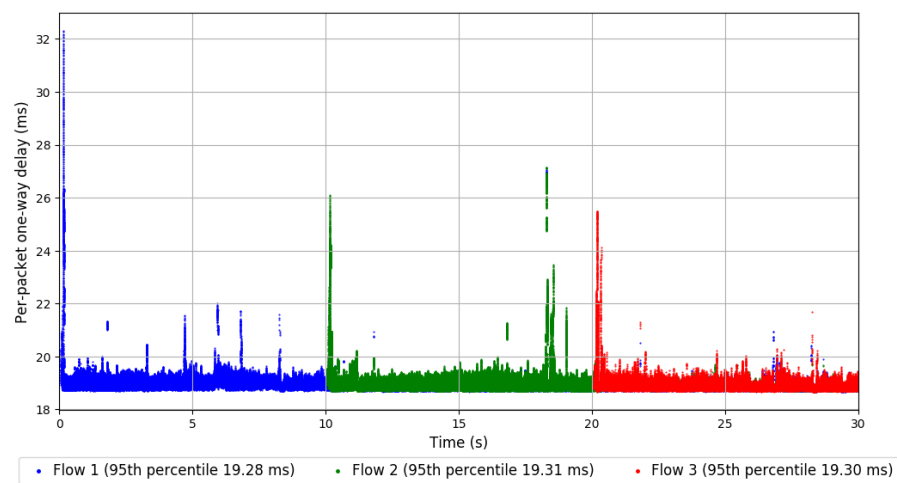
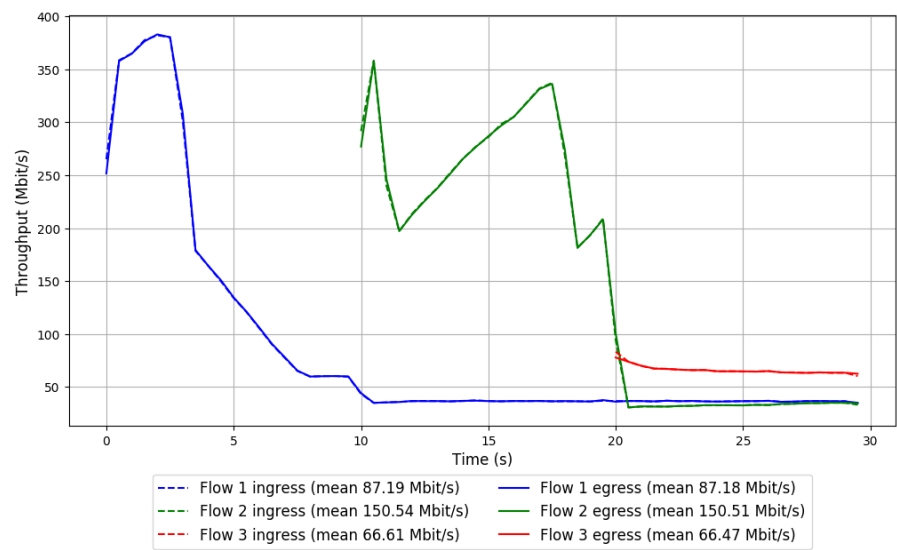


Run 3: Statistics of TCP Vegas

Start at: 2018-02-13 19:35:18
End at: 2018-02-13 19:35:48
Local clock offset: 0.416 ms
Remote clock offset: -6.559 ms

Below is generated by plot.py at 2018-02-14 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.52 Mbit/s
95th percentile per-packet one-way delay: 19.294 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 150.51 Mbit/s
95th percentile per-packet one-way delay: 19.308 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 66.47 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.22%

Run 3: Report of TCP Vegas — Data Link

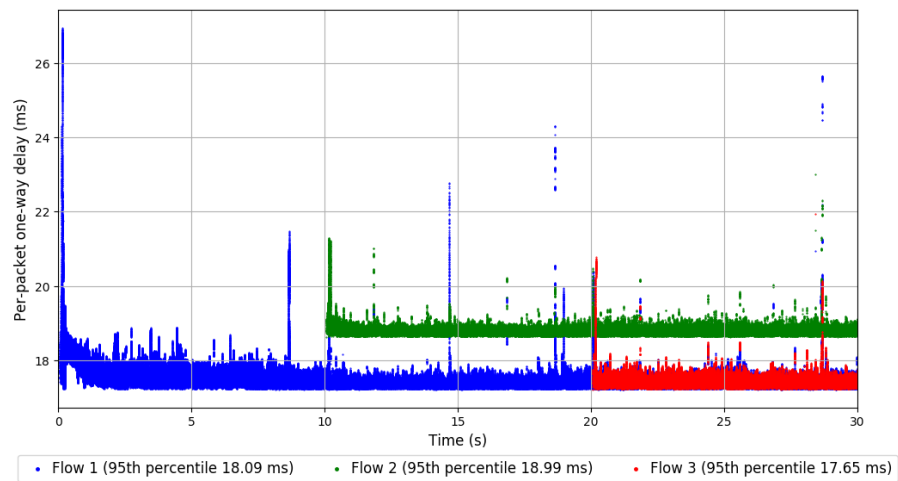
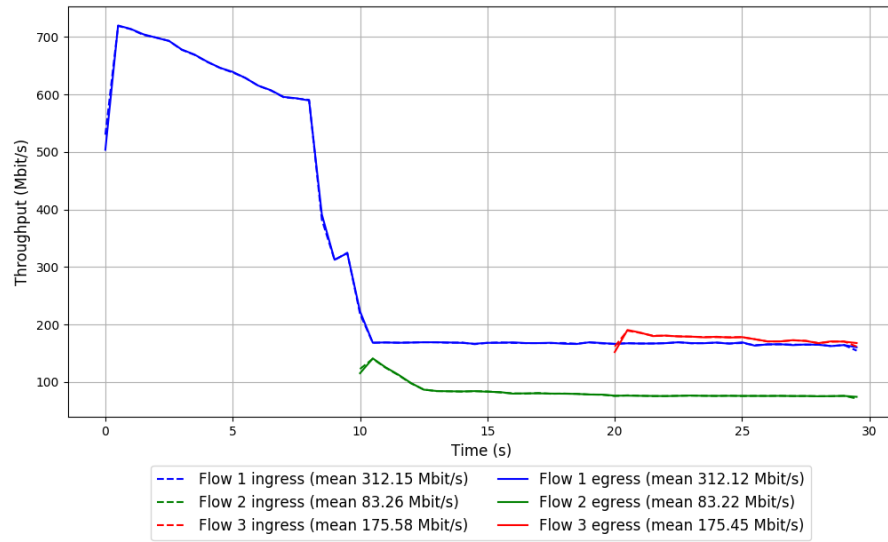


Run 4: Statistics of TCP Vegas

Start at: 2018-02-13 20:04:37
End at: 2018-02-13 20:05:07
Local clock offset: -0.674 ms
Remote clock offset: -6.734 ms

Below is generated by plot.py at 2018-02-14 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.77 Mbit/s
95th percentile per-packet one-way delay: 18.826 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 312.12 Mbit/s
95th percentile per-packet one-way delay: 18.087 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 83.22 Mbit/s
95th percentile per-packet one-way delay: 18.989 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 175.45 Mbit/s
95th percentile per-packet one-way delay: 17.648 ms
Loss rate: 0.07%

Run 4: Report of TCP Vegas — Data Link

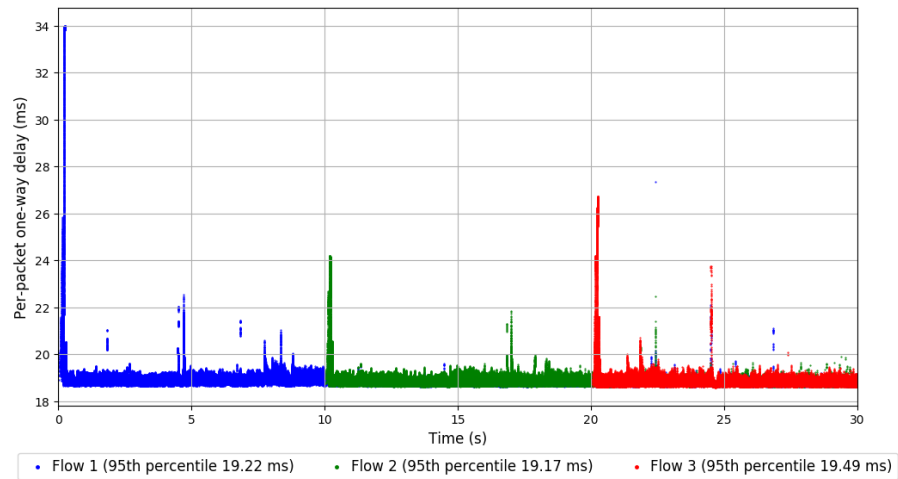
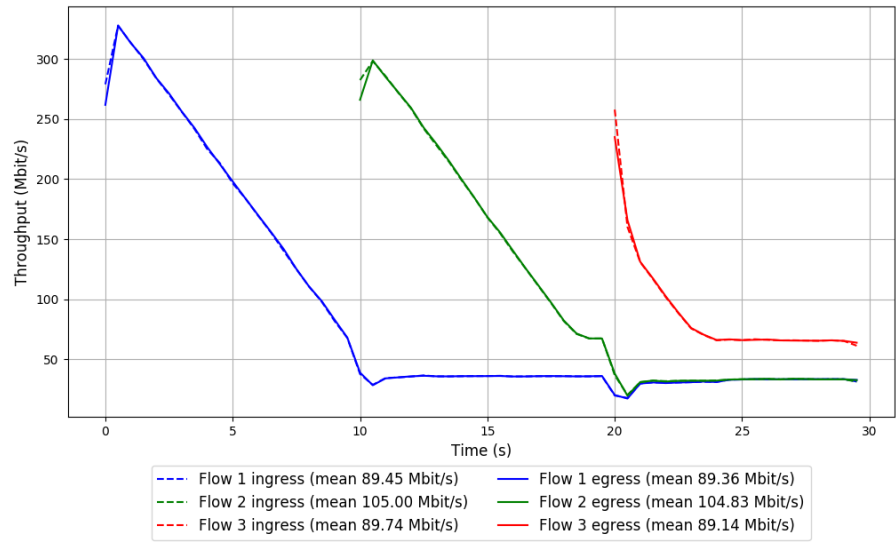


Run 5: Statistics of TCP Vegas

Start at: 2018-02-13 20:34:00
End at: 2018-02-13 20:34:30
Local clock offset: -0.121 ms
Remote clock offset: -6.714 ms

Below is generated by plot.py at 2018-02-14 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.76 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 19.221 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 104.83 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 89.14 Mbit/s
95th percentile per-packet one-way delay: 19.486 ms
Loss rate: 0.67%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-02-13 21:03:20

End at: 2018-02-13 21:03:50

Local clock offset: -0.037 ms

Remote clock offset: -5.45 ms

Below is generated by plot.py at 2018-02-14 03:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.26 Mbit/s

95th percentile per-packet one-way delay: 19.081 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 105.10 Mbit/s

95th percentile per-packet one-way delay: 19.188 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 151.16 Mbit/s

95th percentile per-packet one-way delay: 17.716 ms

Loss rate: 0.01%

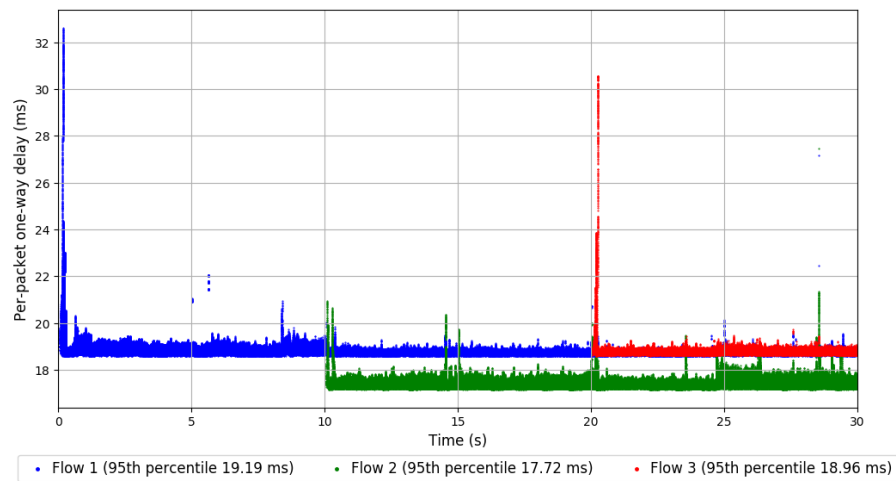
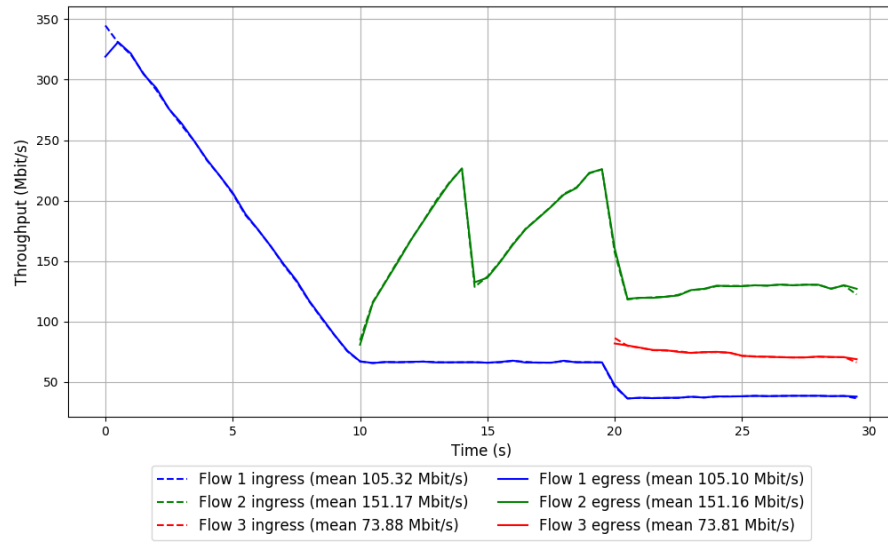
-- Flow 3:

Average throughput: 73.81 Mbit/s

95th percentile per-packet one-way delay: 18.964 ms

Loss rate: 0.08%

Run 6: Report of TCP Vegas — Data Link

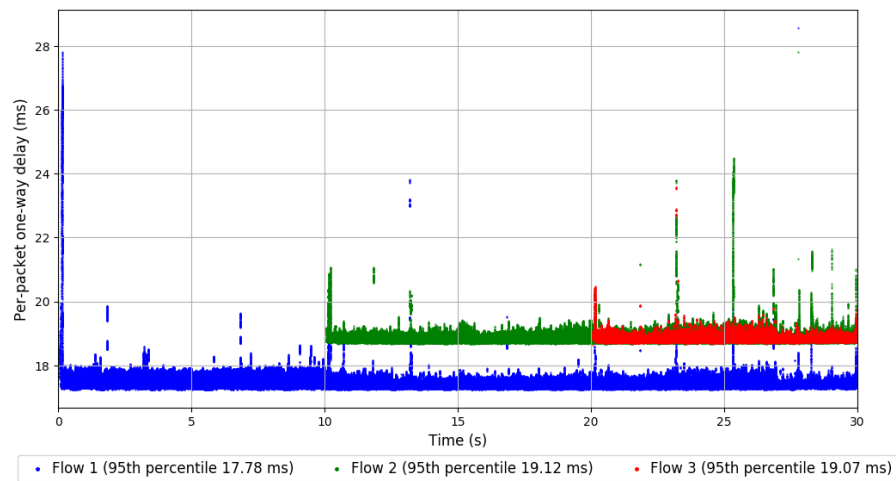
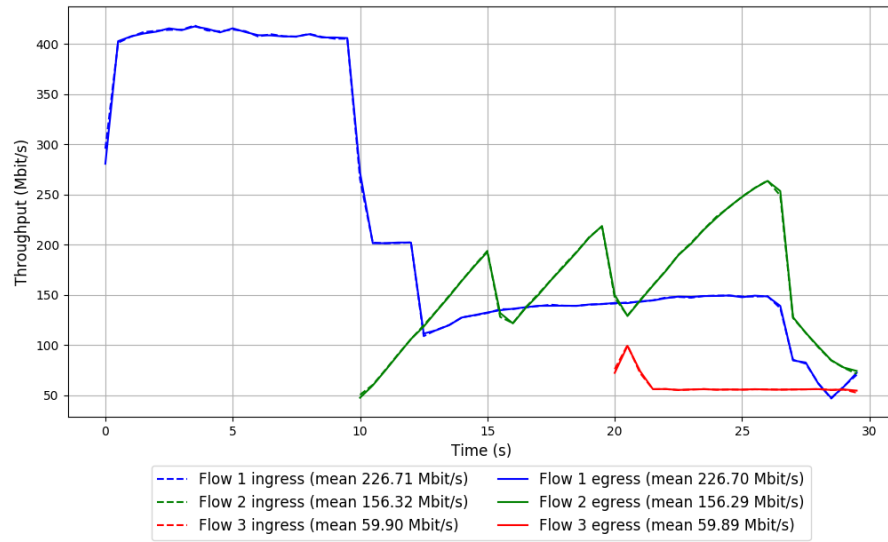


Run 7: Statistics of TCP Vegas

Start at: 2018-02-13 21:32:41
End at: 2018-02-13 21:33:11
Local clock offset: 0.124 ms
Remote clock offset: -5.405 ms

Below is generated by plot.py at 2018-02-14 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.63 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 226.70 Mbit/s
95th percentile per-packet one-way delay: 17.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 156.29 Mbit/s
95th percentile per-packet one-way delay: 19.120 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 59.89 Mbit/s
95th percentile per-packet one-way delay: 19.070 ms
Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-02-13 22:01:58

End at: 2018-02-13 22:02:28

Local clock offset: 0.409 ms

Remote clock offset: -6.29 ms

Below is generated by plot.py at 2018-02-14 03:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.24 Mbit/s

95th percentile per-packet one-way delay: 19.242 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 128.12 Mbit/s

95th percentile per-packet one-way delay: 19.286 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 110.07 Mbit/s

95th percentile per-packet one-way delay: 17.804 ms

Loss rate: 0.02%

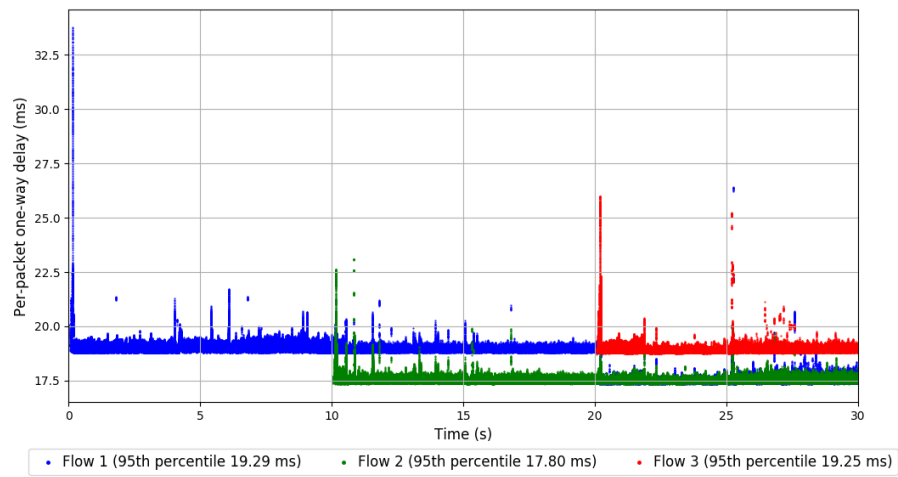
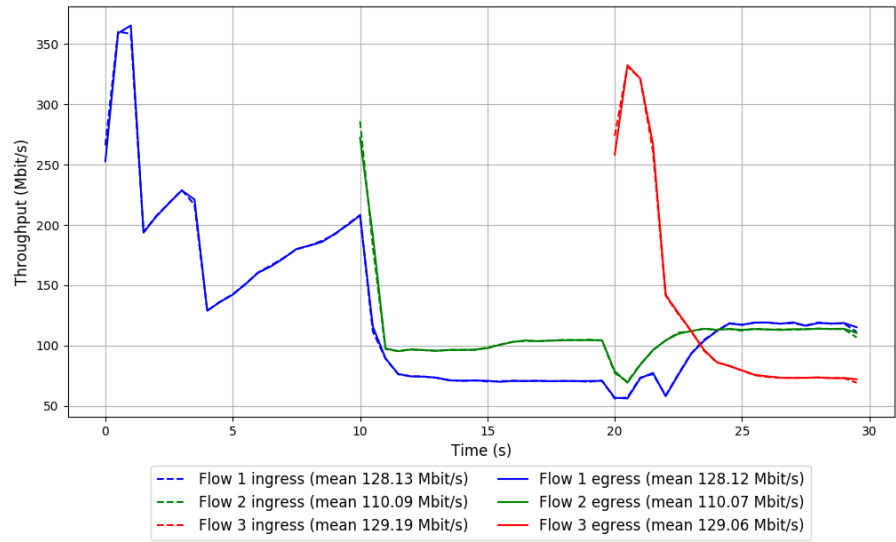
-- Flow 3:

Average throughput: 129.06 Mbit/s

95th percentile per-packet one-way delay: 19.247 ms

Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

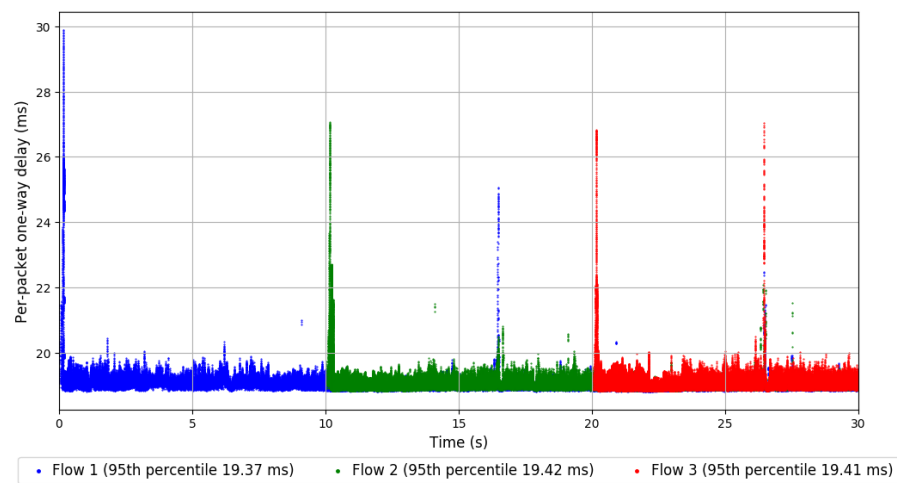
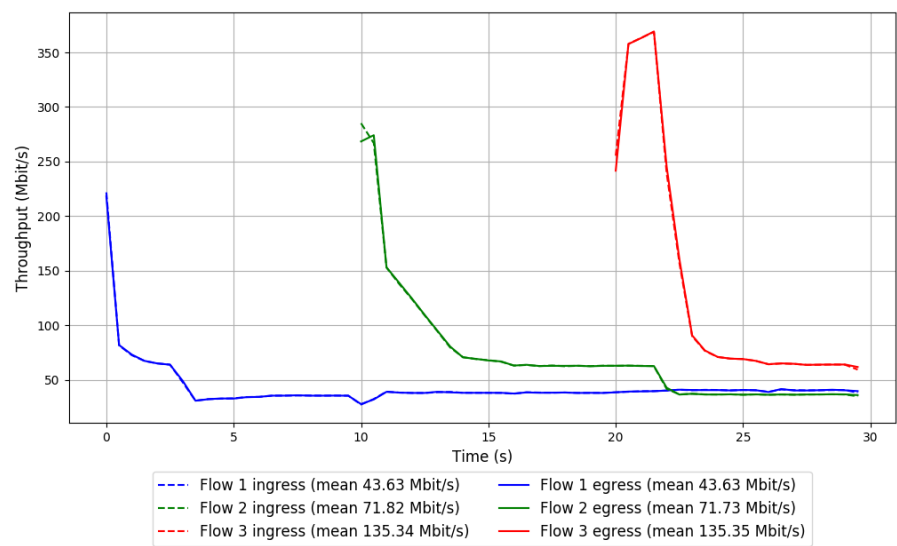


Run 9: Statistics of TCP Vegas

Start at: 2018-02-13 22:31:26
End at: 2018-02-13 22:31:56
Local clock offset: 0.758 ms
Remote clock offset: -5.188 ms

Below is generated by plot.py at 2018-02-14 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.32 Mbit/s
95th percentile per-packet one-way delay: 19.401 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 19.372 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 71.73 Mbit/s
95th percentile per-packet one-way delay: 19.417 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 135.35 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link

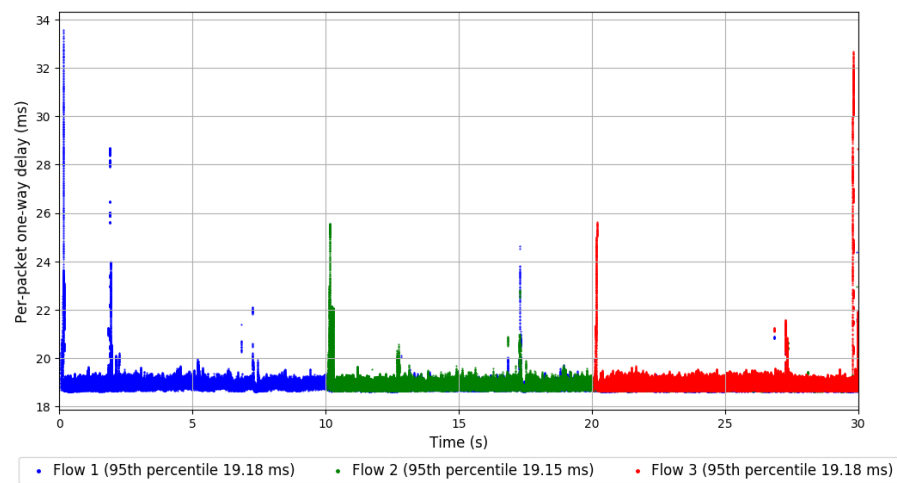
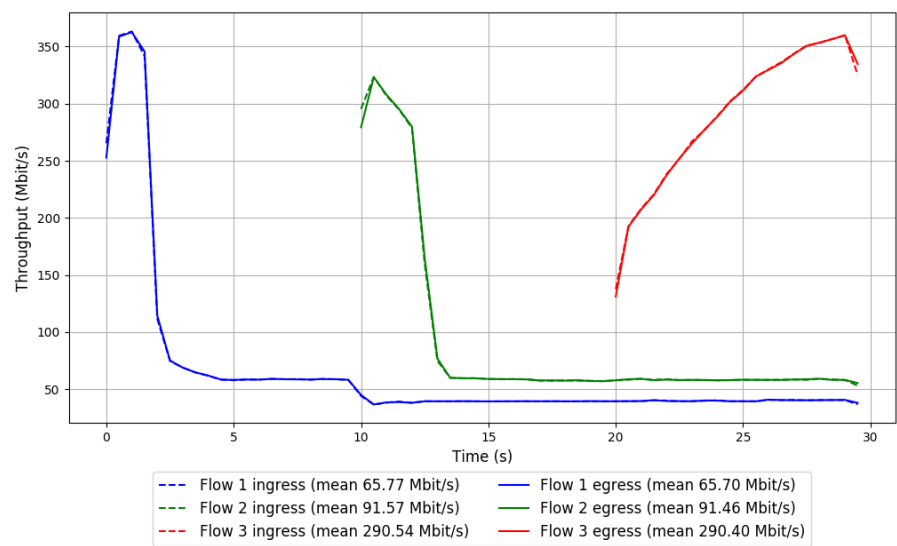


Run 10: Statistics of TCP Vegas

Start at: 2018-02-13 23:00:55
End at: 2018-02-13 23:01:25
Local clock offset: 1.3 ms
Remote clock offset: -5.907 ms

Below is generated by plot.py at 2018-02-14 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.94 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 65.70 Mbit/s
95th percentile per-packet one-way delay: 19.185 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 290.40 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-02-13 18:23:27

End at: 2018-02-13 18:23:57

Local clock offset: -1.071 ms

Remote clock offset: -5.87 ms

Below is generated by plot.py at 2018-02-14 03:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 445.12 Mbit/s

95th percentile per-packet one-way delay: 29.457 ms

Loss rate: 17.80%

-- Flow 1:

Average throughput: 252.98 Mbit/s

95th percentile per-packet one-way delay: 34.426 ms

Loss rate: 17.18%

-- Flow 2:

Average throughput: 207.76 Mbit/s

95th percentile per-packet one-way delay: 22.464 ms

Loss rate: 17.60%

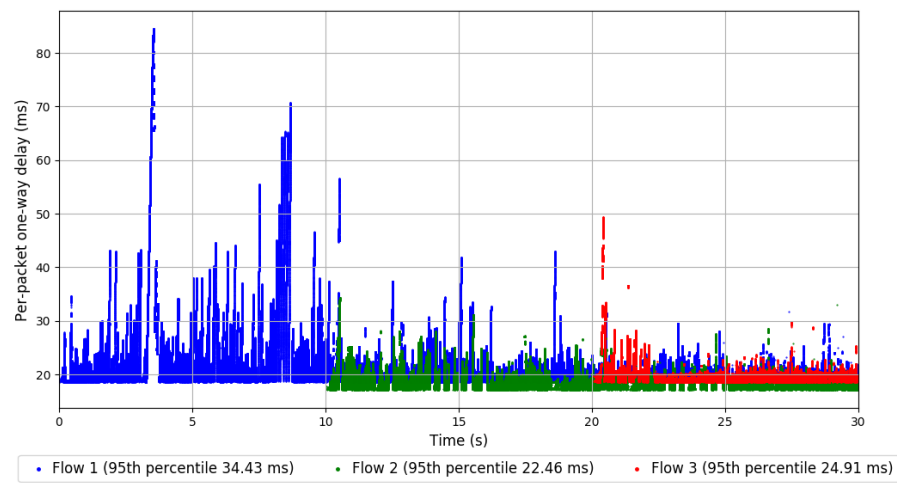
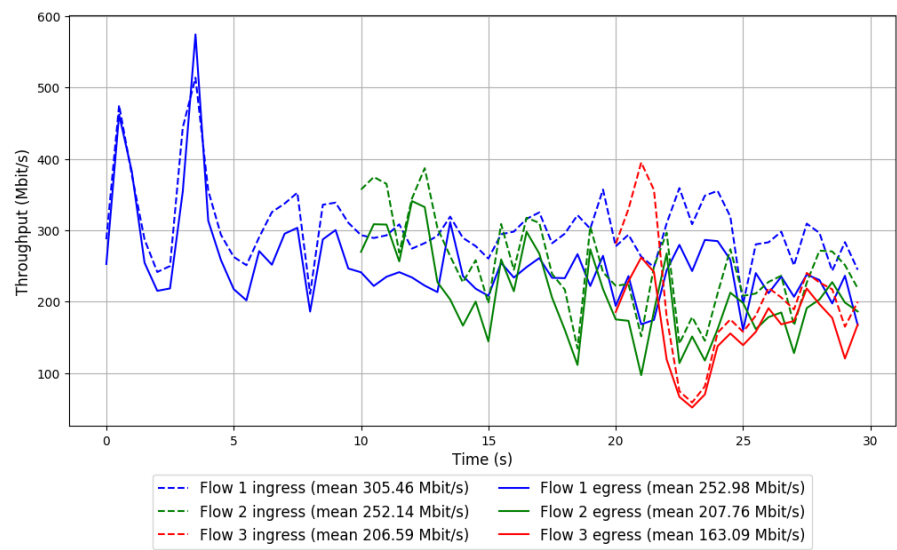
-- Flow 3:

Average throughput: 163.09 Mbit/s

95th percentile per-packet one-way delay: 24.913 ms

Loss rate: 21.06%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-02-13 18:52:55

End at: 2018-02-13 18:53:25

Local clock offset: -0.972 ms

Remote clock offset: -6.62 ms

Below is generated by plot.py at 2018-02-14 03:10:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.72 Mbit/s

95th percentile per-packet one-way delay: 36.669 ms

Loss rate: 15.92%

-- Flow 1:

Average throughput: 166.87 Mbit/s

95th percentile per-packet one-way delay: 43.851 ms

Loss rate: 15.47%

-- Flow 2:

Average throughput: 242.62 Mbit/s

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

Loss rate: 17.35%

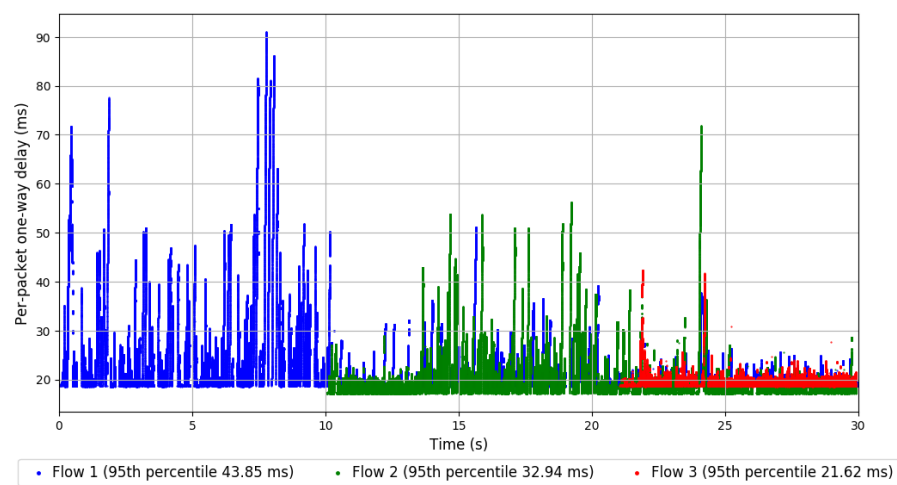
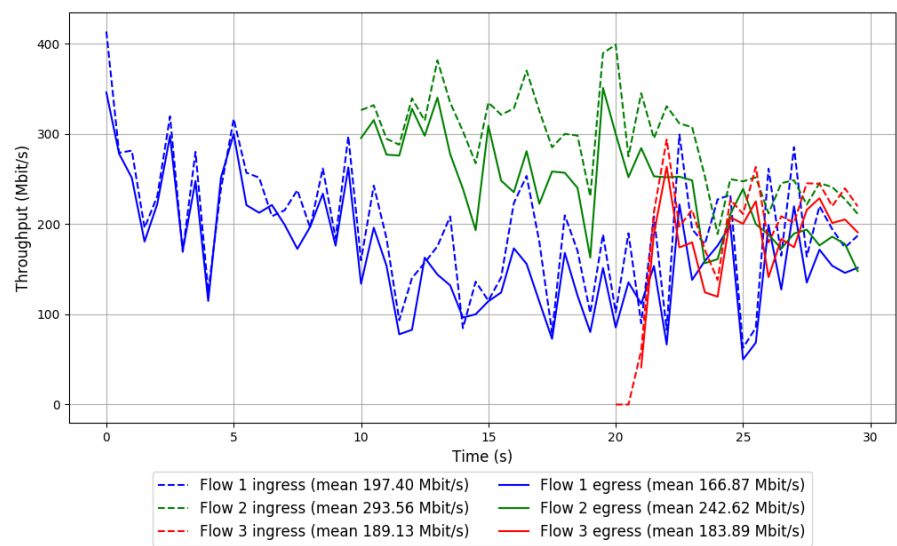
-- Flow 3:

Average throughput: 183.89 Mbit/s

95th percentile per-packet one-way delay: 21.624 ms

Loss rate: 12.92%

Run 2: Report of Verus — Data Link

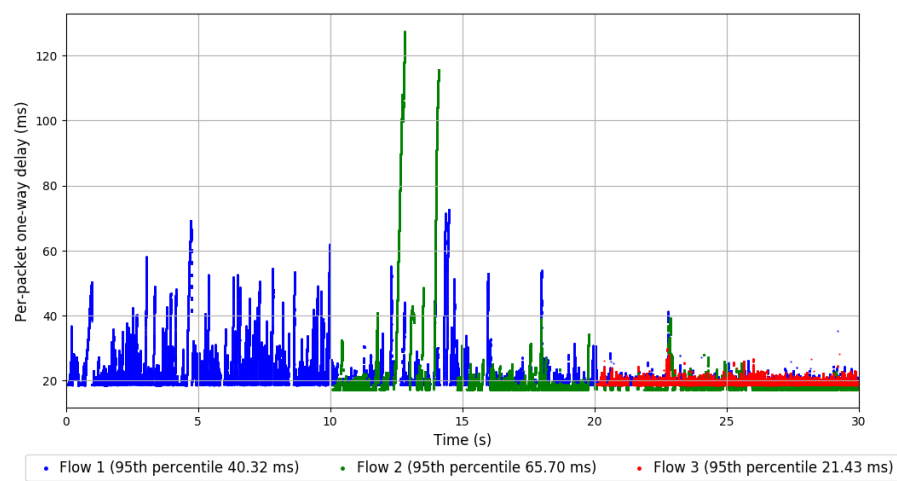
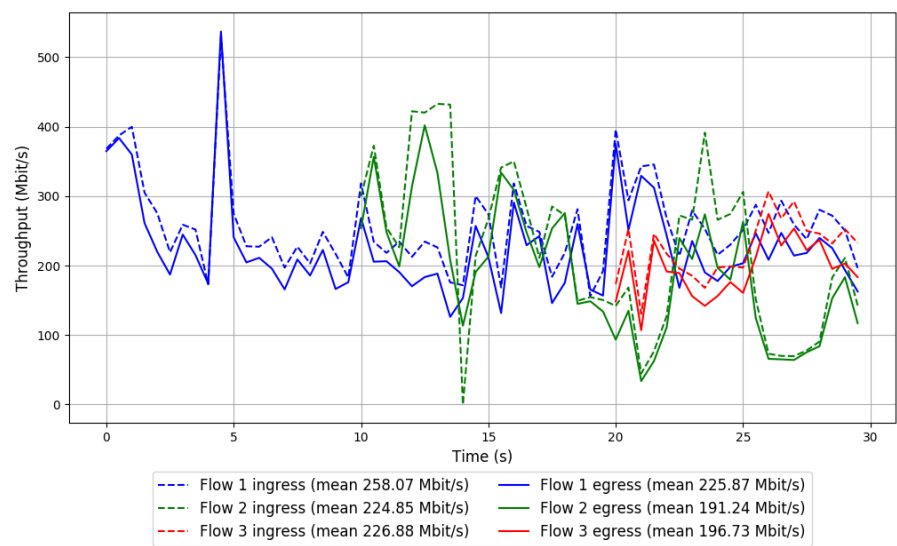


Run 3: Statistics of Verus

Start at: 2018-02-13 19:22:33
End at: 2018-02-13 19:23:03
Local clock offset: 0.397 ms
Remote clock offset: -6.742 ms

Below is generated by plot.py at 2018-02-14 03:10:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 417.96 Mbit/s
95th percentile per-packet one-way delay: 40.521 ms
Loss rate: 13.37%
-- Flow 1:
Average throughput: 225.87 Mbit/s
95th percentile per-packet one-way delay: 40.318 ms
Loss rate: 12.48%
-- Flow 2:
Average throughput: 191.24 Mbit/s
95th percentile per-packet one-way delay: 65.700 ms
Loss rate: 14.95%
-- Flow 3:
Average throughput: 196.73 Mbit/s
95th percentile per-packet one-way delay: 21.433 ms
Loss rate: 13.31%

Run 3: Report of Verus — Data Link

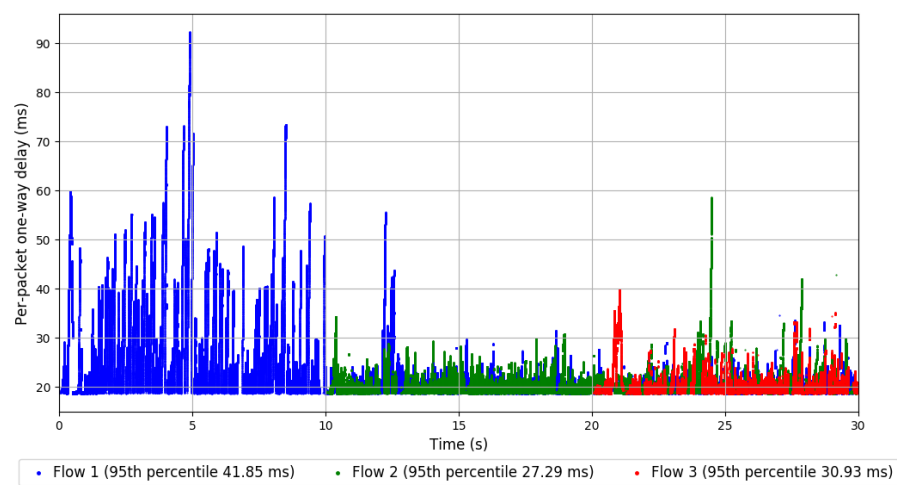
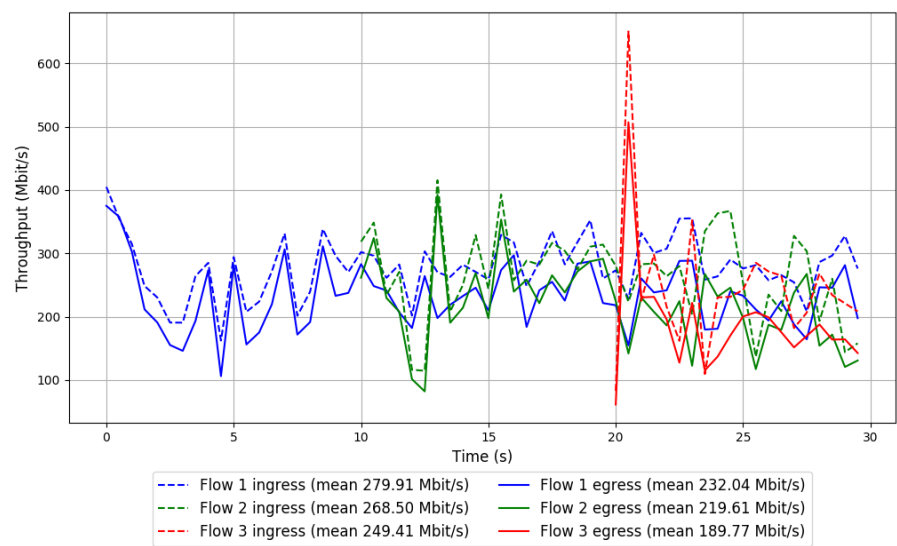


Run 4: Statistics of Verus

Start at: 2018-02-13 19:51:52
End at: 2018-02-13 19:52:22
Local clock offset: -0.331 ms
Remote clock offset: -6.64 ms

Below is generated by plot.py at 2018-02-14 03:11:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 440.70 Mbit/s
95th percentile per-packet one-way delay: 34.680 ms
Loss rate: 18.51%
-- Flow 1:
Average throughput: 232.04 Mbit/s
95th percentile per-packet one-way delay: 41.852 ms
Loss rate: 17.10%
-- Flow 2:
Average throughput: 219.61 Mbit/s
95th percentile per-packet one-way delay: 27.293 ms
Loss rate: 18.21%
-- Flow 3:
Average throughput: 189.77 Mbit/s
95th percentile per-packet one-way delay: 30.933 ms
Loss rate: 23.91%

Run 4: Report of Verus — Data Link

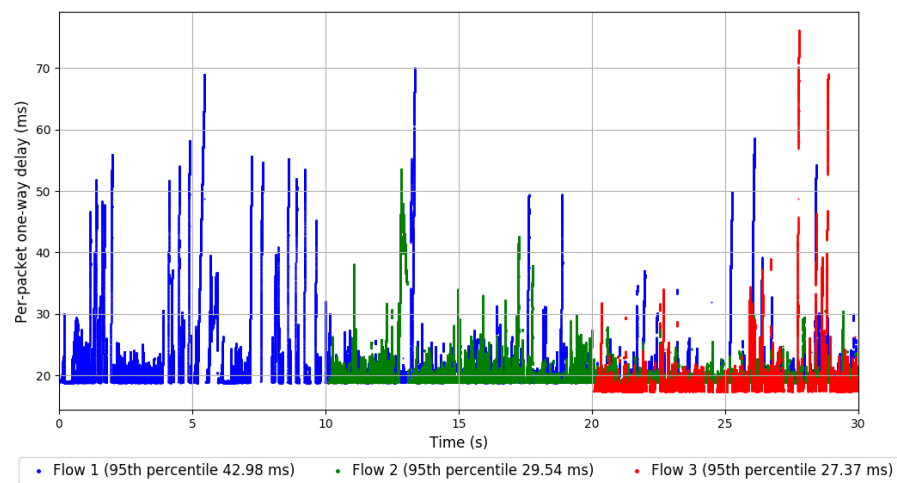
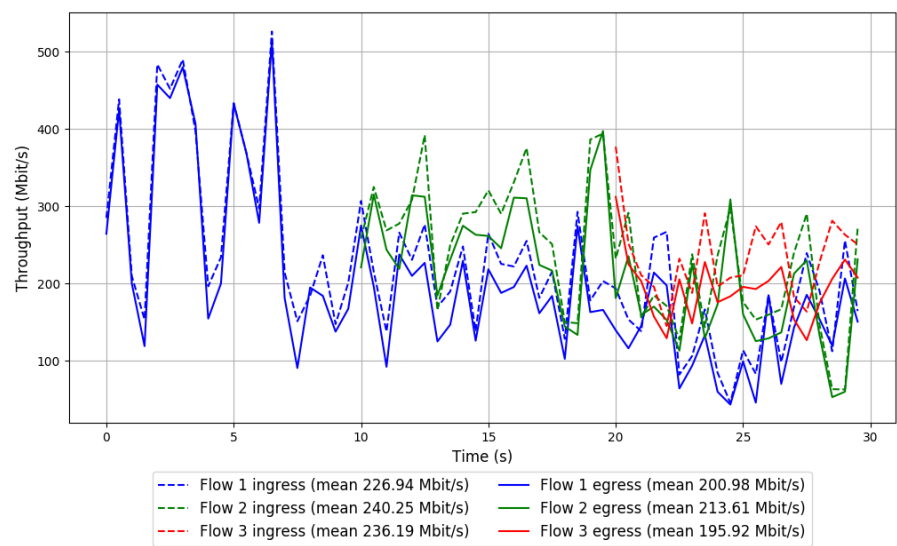


Run 5: Statistics of Verus

Start at: 2018-02-13 20:21:27
End at: 2018-02-13 20:21:57
Local clock offset: -0.341 ms
Remote clock offset: -6.748 ms

Below is generated by plot.py at 2018-02-14 03:12:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.42 Mbit/s
95th percentile per-packet one-way delay: 36.272 ms
Loss rate: 12.25%
-- Flow 1:
Average throughput: 200.98 Mbit/s
95th percentile per-packet one-way delay: 42.978 ms
Loss rate: 11.42%
-- Flow 2:
Average throughput: 213.61 Mbit/s
95th percentile per-packet one-way delay: 29.538 ms
Loss rate: 11.09%
-- Flow 3:
Average throughput: 195.92 Mbit/s
95th percentile per-packet one-way delay: 27.372 ms
Loss rate: 17.04%

Run 5: Report of Verus — Data Link

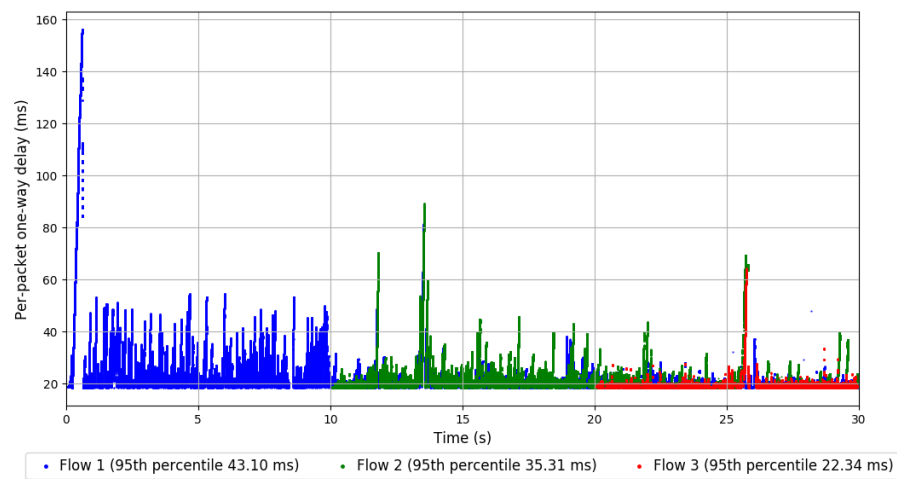
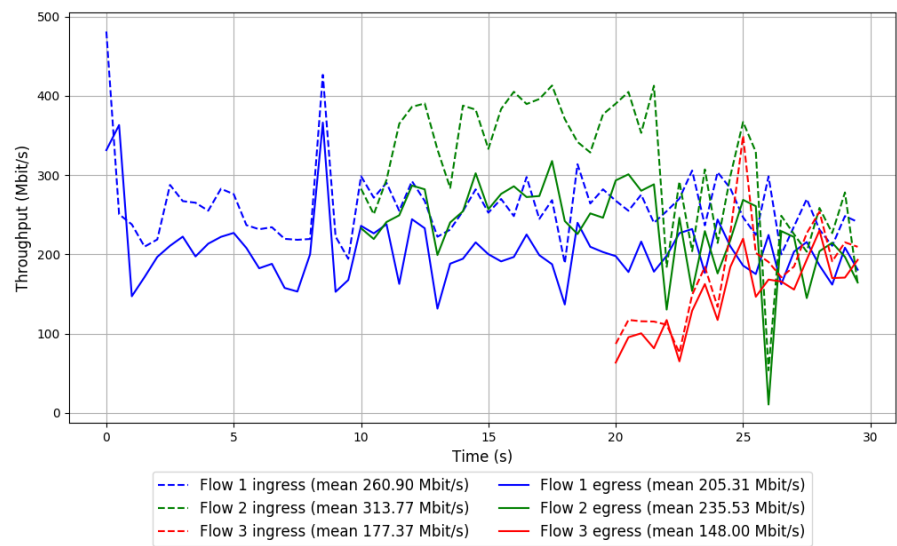


Run 6: Statistics of Verus

Start at: 2018-02-13 20:50:39
End at: 2018-02-13 20:51:09
Local clock offset: -0.085 ms
Remote clock offset: -5.693 ms

Below is generated by plot.py at 2018-02-14 03:12:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.92 Mbit/s
95th percentile per-packet one-way delay: 37.262 ms
Loss rate: 22.22%
-- Flow 1:
Average throughput: 205.31 Mbit/s
95th percentile per-packet one-way delay: 43.104 ms
Loss rate: 21.31%
-- Flow 2:
Average throughput: 235.53 Mbit/s
95th percentile per-packet one-way delay: 35.308 ms
Loss rate: 24.95%
-- Flow 3:
Average throughput: 148.00 Mbit/s
95th percentile per-packet one-way delay: 22.343 ms
Loss rate: 16.56%

Run 6: Report of Verus — Data Link

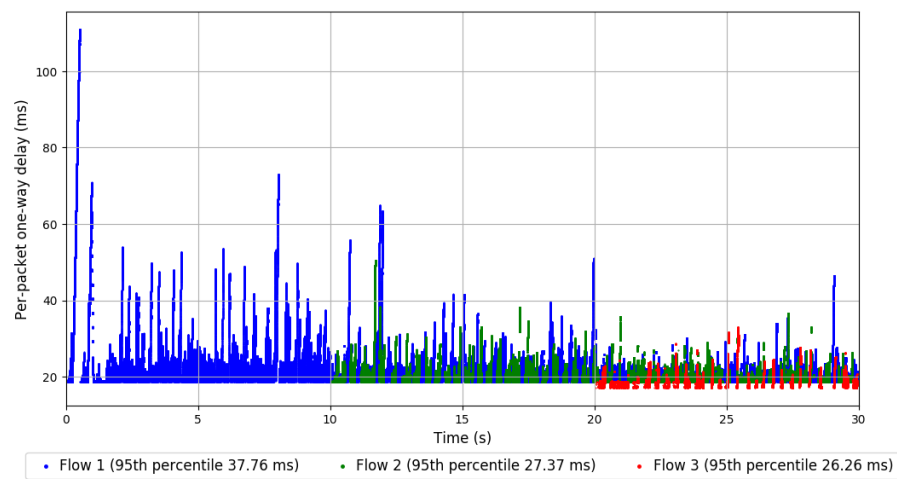
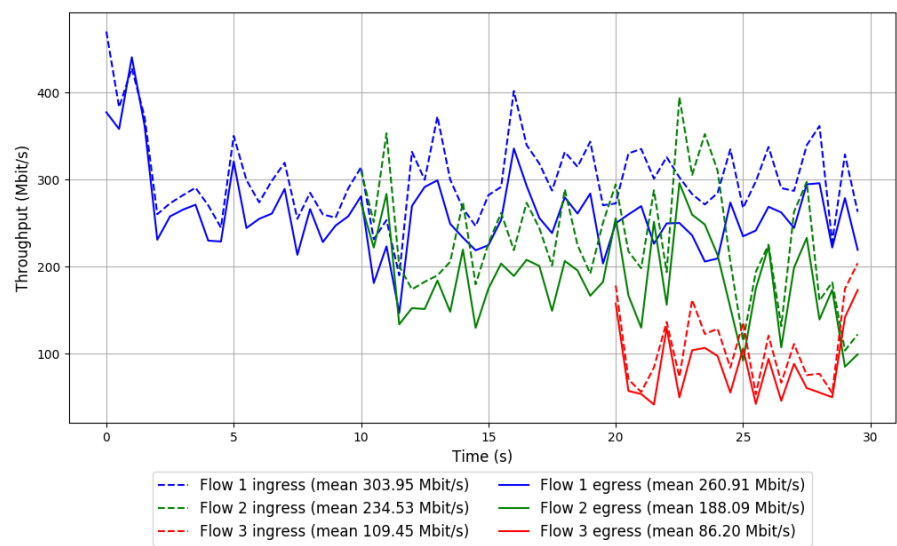


Run 7: Statistics of Verus

Start at: 2018-02-13 21:19:57
End at: 2018-02-13 21:20:27
Local clock offset: 0.045 ms
Remote clock offset: -5.466 ms

Below is generated by plot.py at 2018-02-14 03:14:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 413.44 Mbit/s
95th percentile per-packet one-way delay: 32.268 ms
Loss rate: 16.42%
-- Flow 1:
Average throughput: 260.91 Mbit/s
95th percentile per-packet one-way delay: 37.764 ms
Loss rate: 14.15%
-- Flow 2:
Average throughput: 188.09 Mbit/s
95th percentile per-packet one-way delay: 27.367 ms
Loss rate: 19.77%
-- Flow 3:
Average throughput: 86.20 Mbit/s
95th percentile per-packet one-way delay: 26.263 ms
Loss rate: 21.22%

Run 7: Report of Verus — Data Link

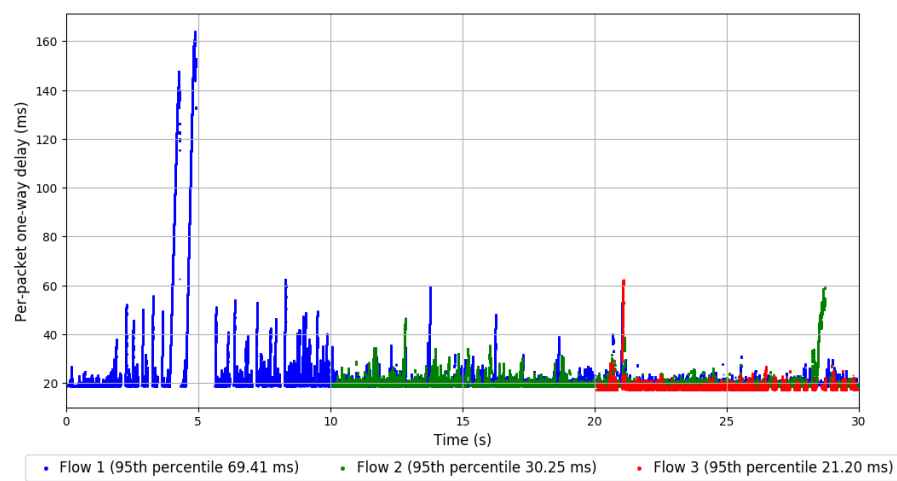
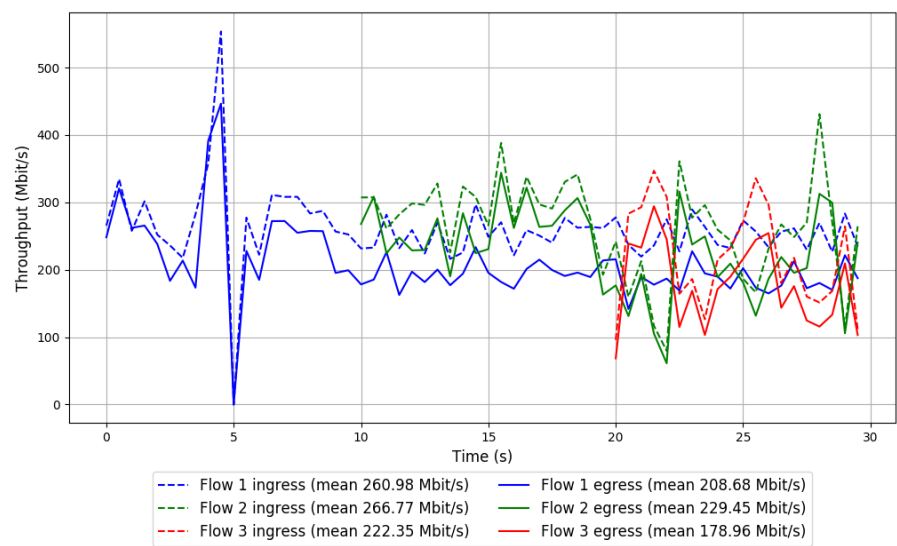


Run 8: Statistics of Verus

Start at: 2018-02-13 21:49:13
End at: 2018-02-13 21:49:43
Local clock offset: 0.316 ms
Remote clock offset: -5.968 ms

Below is generated by plot.py at 2018-02-14 03:15:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 420.41 Mbit/s
95th percentile per-packet one-way delay: 41.715 ms
Loss rate: 17.86%
-- Flow 1:
Average throughput: 208.68 Mbit/s
95th percentile per-packet one-way delay: 69.408 ms
Loss rate: 20.04%
-- Flow 2:
Average throughput: 229.45 Mbit/s
95th percentile per-packet one-way delay: 30.248 ms
Loss rate: 13.99%
-- Flow 3:
Average throughput: 178.96 Mbit/s
95th percentile per-packet one-way delay: 21.204 ms
Loss rate: 19.51%

Run 8: Report of Verus — Data Link

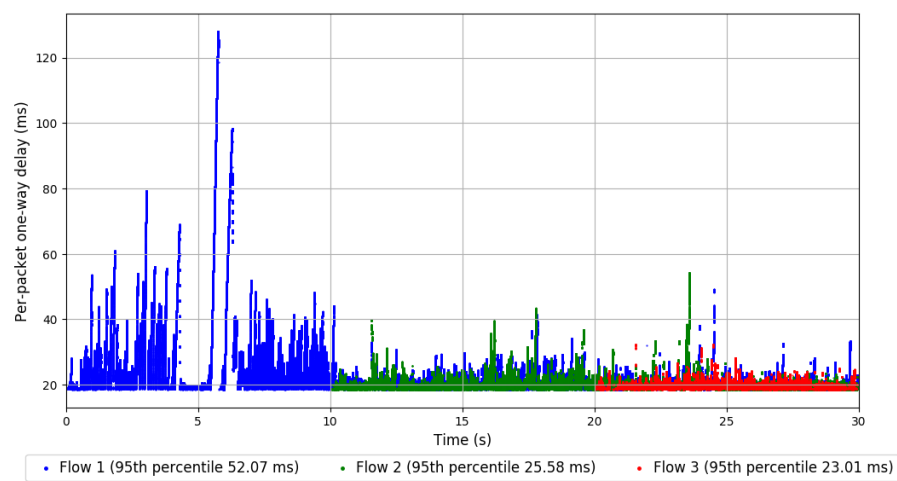
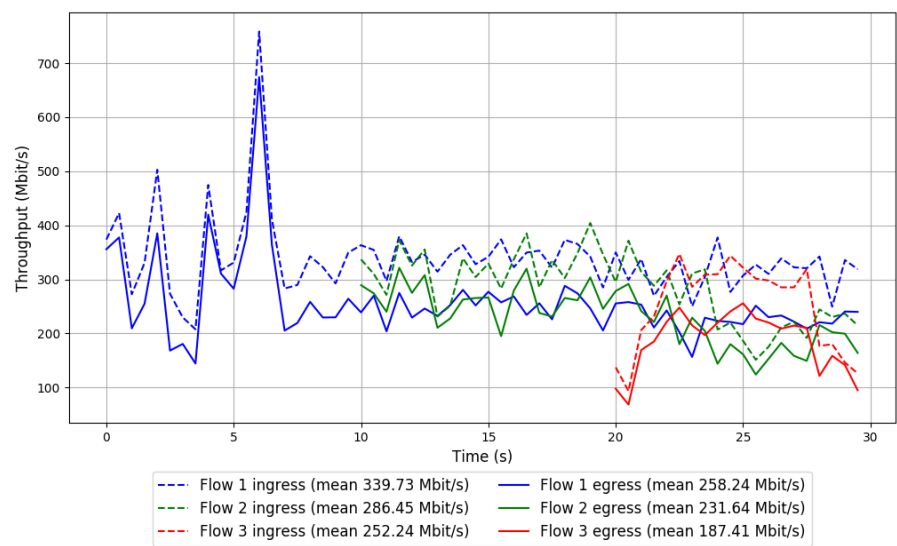


Run 9: Statistics of Verus

Start at: 2018-02-13 22:18:39
End at: 2018-02-13 22:19:09
Local clock offset: 0.617 ms
Remote clock offset: -6.14 ms

Below is generated by plot.py at 2018-02-14 03:17:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.45 Mbit/s
95th percentile per-packet one-way delay: 37.517 ms
Loss rate: 22.71%
-- Flow 1:
Average throughput: 258.24 Mbit/s
95th percentile per-packet one-way delay: 52.067 ms
Loss rate: 23.98%
-- Flow 2:
Average throughput: 231.64 Mbit/s
95th percentile per-packet one-way delay: 25.580 ms
Loss rate: 19.14%
-- Flow 3:
Average throughput: 187.41 Mbit/s
95th percentile per-packet one-way delay: 23.013 ms
Loss rate: 25.70%

Run 9: Report of Verus — Data Link

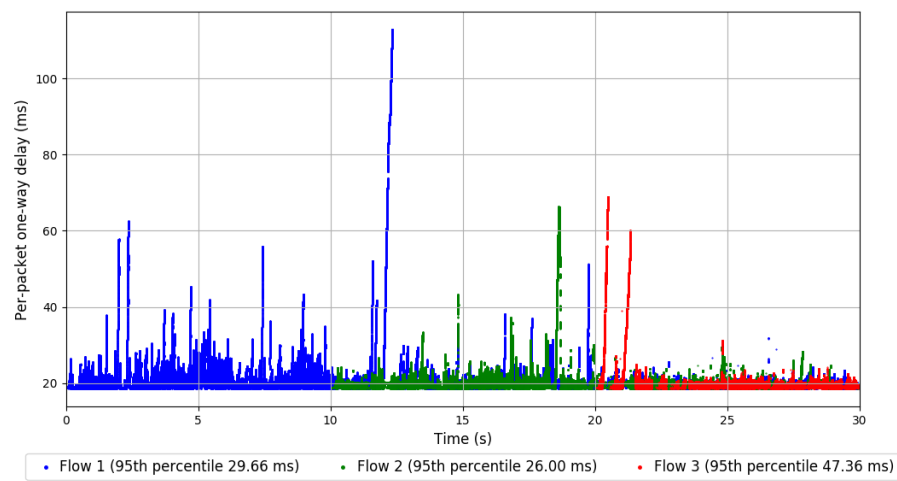
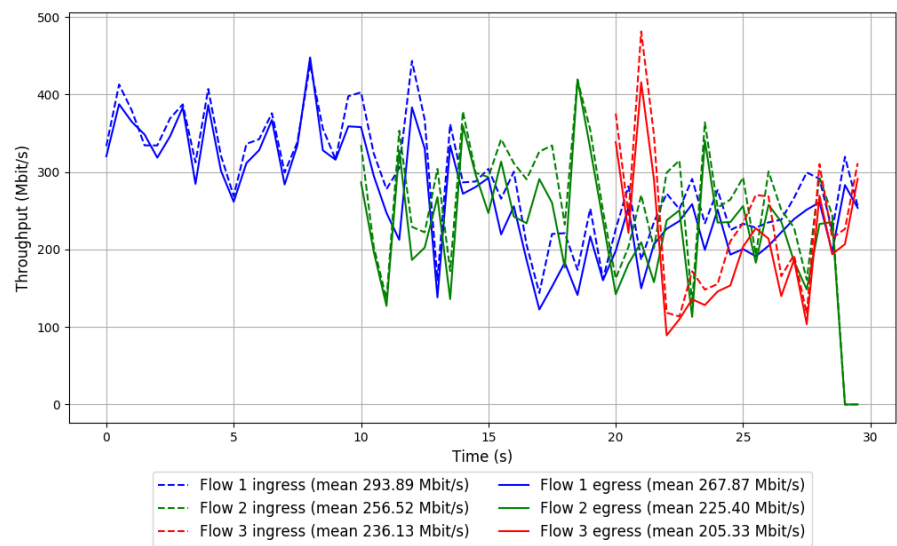


Run 10: Statistics of Verus

Start at: 2018-02-13 22:48:08
End at: 2018-02-13 22:48:38
Local clock offset: 1.259 ms
Remote clock offset: -4.973 ms

Below is generated by plot.py at 2018-02-14 03:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.68 Mbit/s
95th percentile per-packet one-way delay: 29.995 ms
Loss rate: 10.50%
-- Flow 1:
Average throughput: 267.87 Mbit/s
95th percentile per-packet one-way delay: 29.657 ms
Loss rate: 8.87%
-- Flow 2:
Average throughput: 225.40 Mbit/s
95th percentile per-packet one-way delay: 25.997 ms
Loss rate: 12.13%
-- Flow 3:
Average throughput: 205.33 Mbit/s
95th percentile per-packet one-way delay: 47.363 ms
Loss rate: 13.10%

Run 10: Report of Verus — Data Link

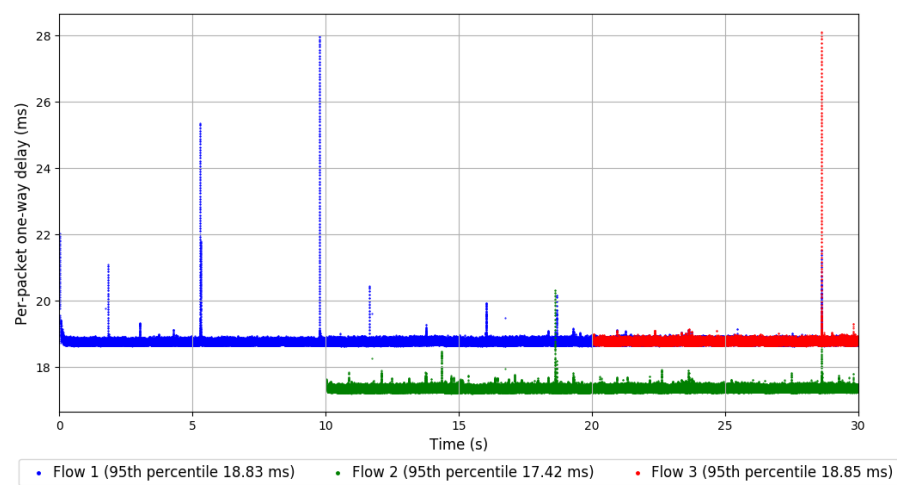
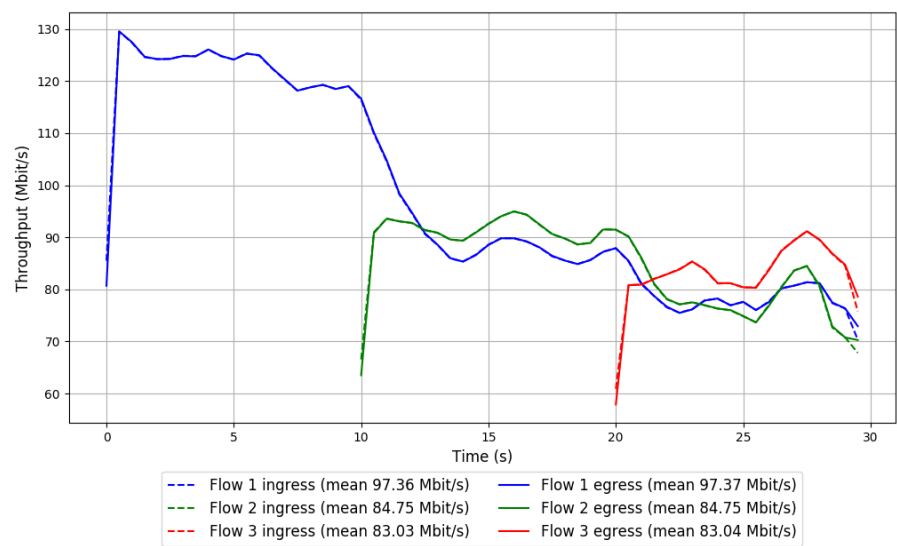


Run 1: Statistics of Copa

Start at: 2018-02-13 18:42:28
End at: 2018-02-13 18:42:58
Local clock offset: -0.804 ms
Remote clock offset: -6.453 ms

Below is generated by plot.py at 2018-02-14 03:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 181.37 Mbit/s
95th percentile per-packet one-way delay: 18.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 17.424 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

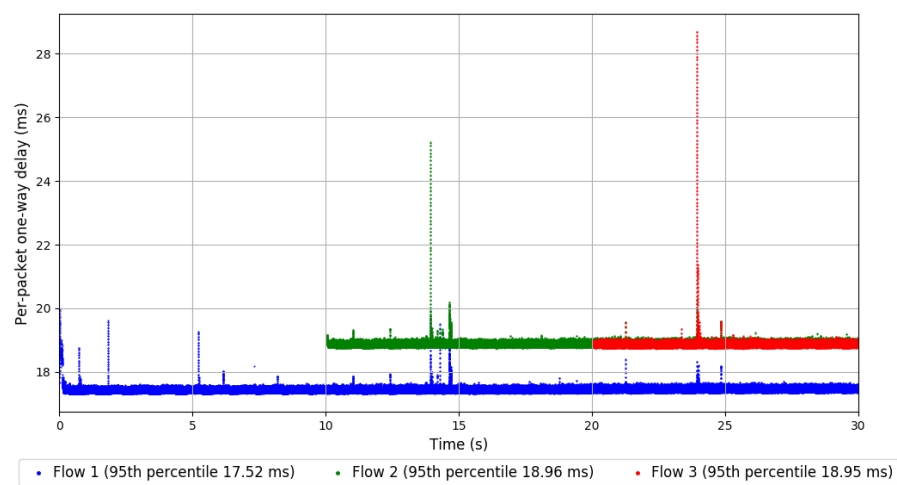
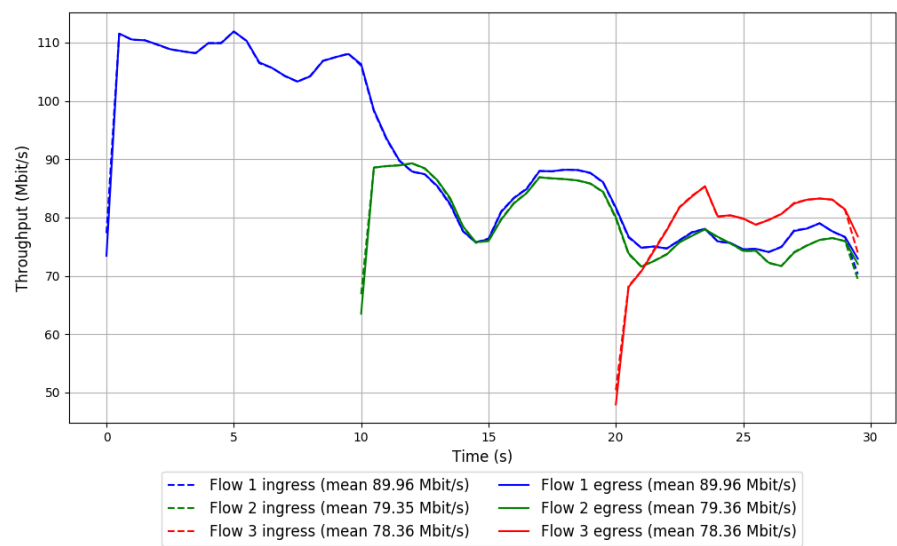


Run 2: Statistics of Copa

Start at: 2018-02-13 19:12:02
End at: 2018-02-13 19:12:32
Local clock offset: 0.035 ms
Remote clock offset: -6.519 ms

Below is generated by plot.py at 2018-02-14 03:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.81 Mbit/s
95th percentile per-packet one-way delay: 18.919 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 17.515 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 18.961 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 18.945 ms
Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-02-13 19:41:33

End at: 2018-02-13 19:42:03

Local clock offset: 0.053 ms

Remote clock offset: -6.63 ms

Below is generated by plot.py at 2018-02-14 03:17:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 157.74 Mbit/s

95th percentile per-packet one-way delay: 18.750 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 18.758 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 75.34 Mbit/s

95th percentile per-packet one-way delay: 18.744 ms

Loss rate: 0.01%

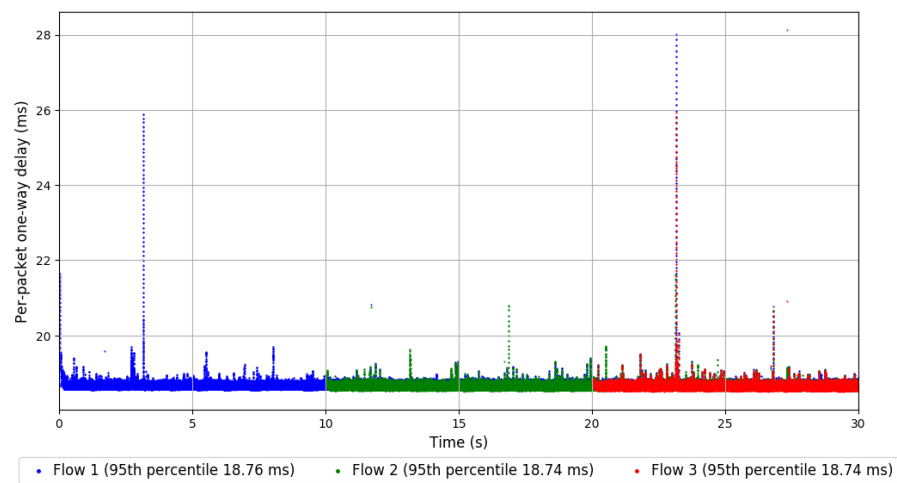
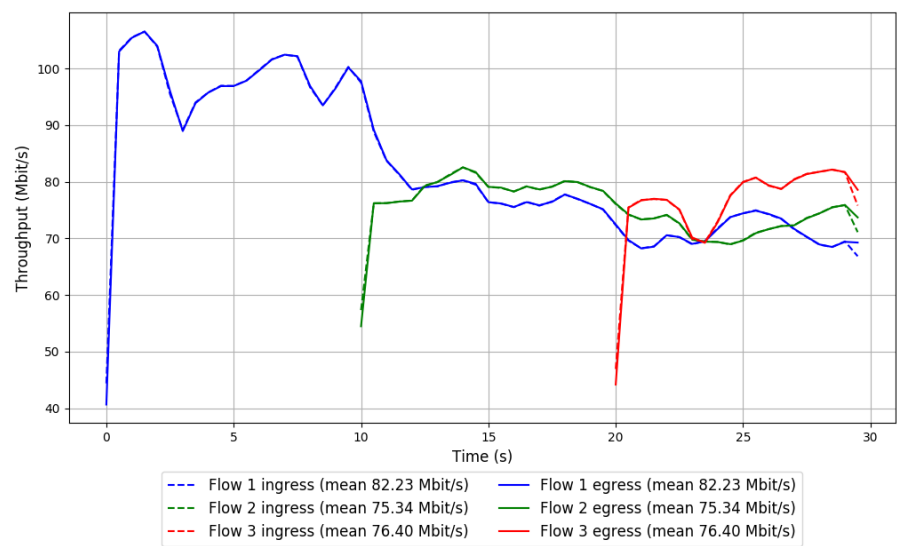
-- Flow 3:

Average throughput: 76.40 Mbit/s

95th percentile per-packet one-way delay: 18.736 ms

Loss rate: 0.02%

Run 3: Report of Copa — Data Link

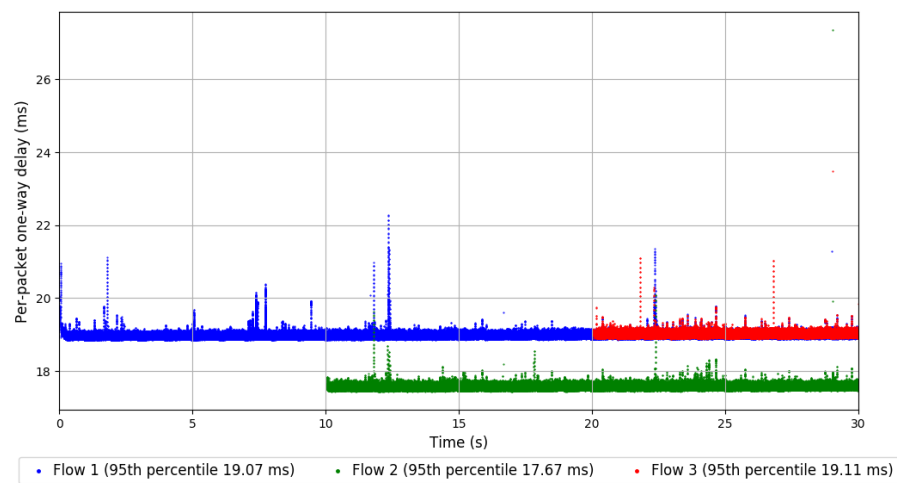
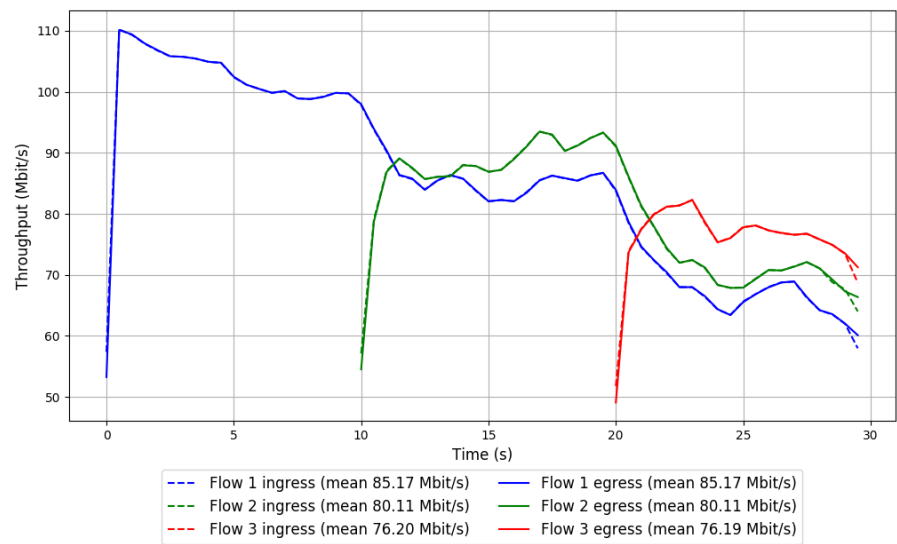


Run 4: Statistics of Copa

Start at: 2018-02-13 20:11:03
End at: 2018-02-13 20:11:33
Local clock offset: -0.722 ms
Remote clock offset: -6.63 ms

Below is generated by plot.py at 2018-02-14 03:17:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 163.77 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 17.668 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 76.19 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-02-13 20:40:18

End at: 2018-02-13 20:40:48

Local clock offset: -0.081 ms

Remote clock offset: -6.04 ms

Below is generated by plot.py at 2018-02-14 03:19:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.65 Mbit/s

95th percentile per-packet one-way delay: 18.839 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 90.03 Mbit/s

95th percentile per-packet one-way delay: 18.838 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 78.89 Mbit/s

95th percentile per-packet one-way delay: 18.832 ms

Loss rate: 0.01%

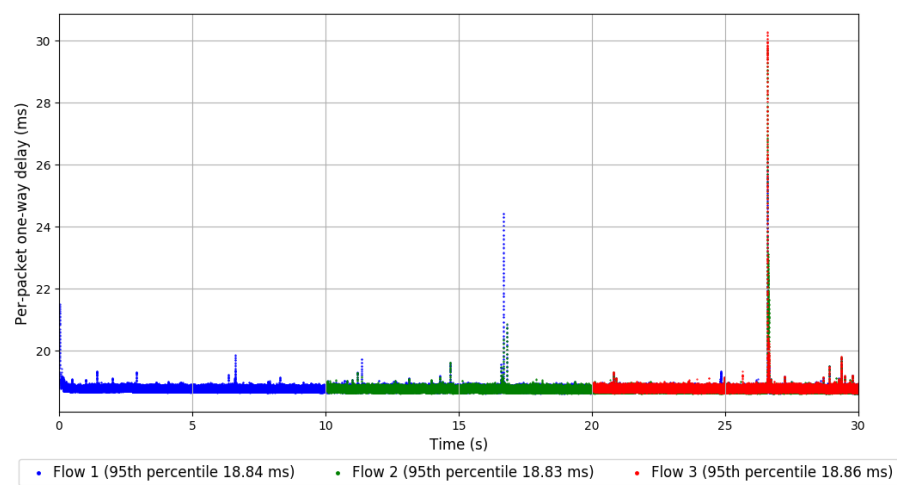
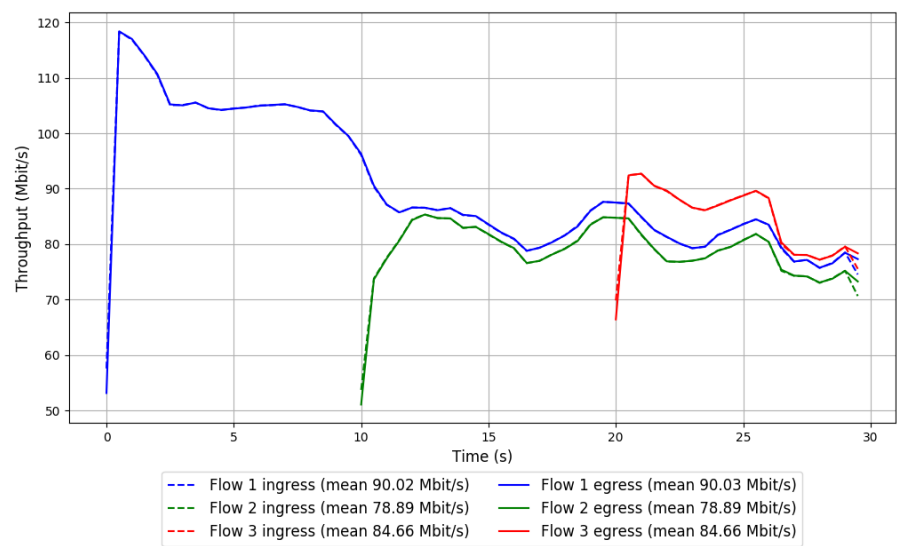
-- Flow 3:

Average throughput: 84.66 Mbit/s

95th percentile per-packet one-way delay: 18.855 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link

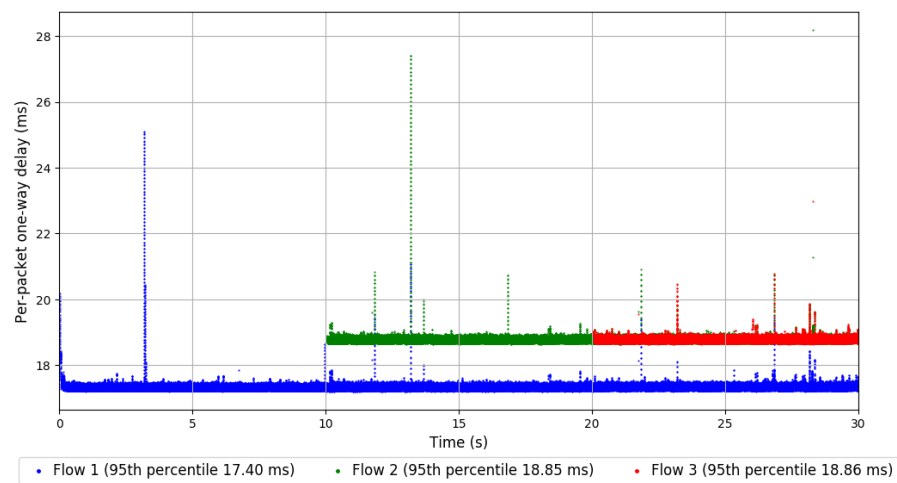
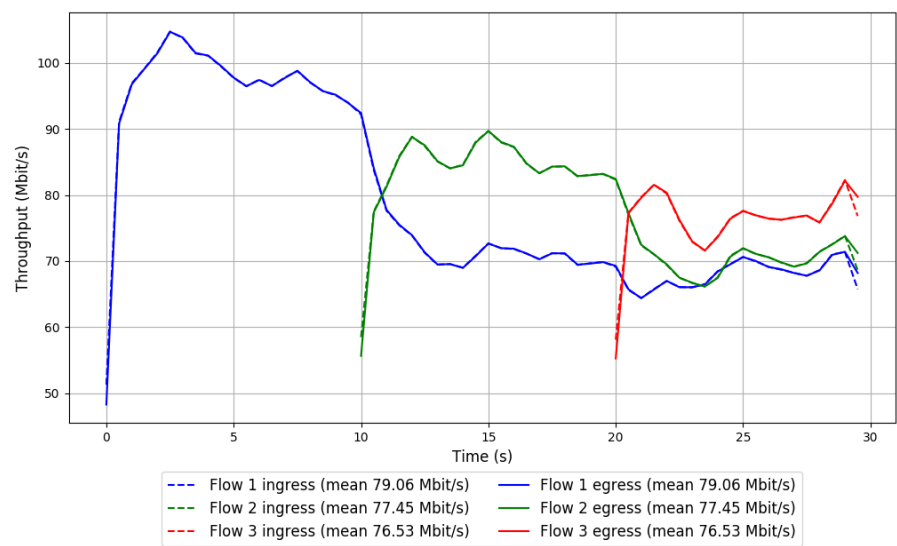


Run 6: Statistics of Copa

Start at: 2018-02-13 21:09:41
End at: 2018-02-13 21:10:11
Local clock offset: -0.027 ms
Remote clock offset: -5.378 ms

Below is generated by plot.py at 2018-02-14 03:19:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.02 Mbit/s
95th percentile per-packet one-way delay: 18.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.06 Mbit/s
95th percentile per-packet one-way delay: 17.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 76.53 Mbit/s
95th percentile per-packet one-way delay: 18.855 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

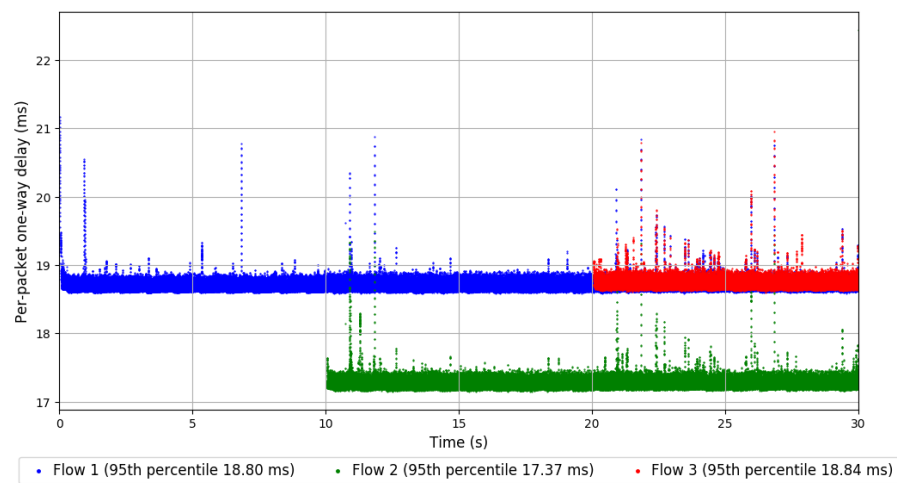
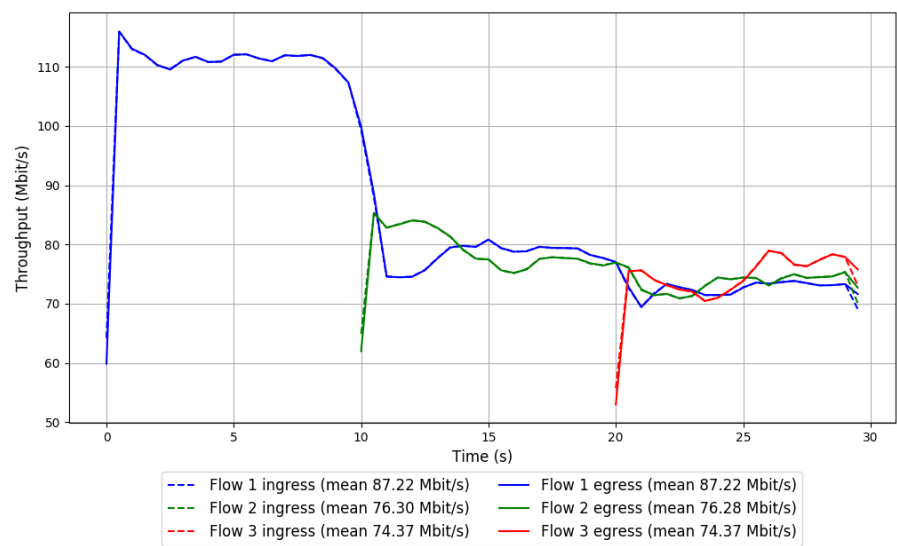


Run 7: Statistics of Copa

Start at: 2018-02-13 21:39:03
End at: 2018-02-13 21:39:33
Local clock offset: 0.296 ms
Remote clock offset: -5.347 ms

Below is generated by plot.py at 2018-02-14 03:20:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.68 Mbit/s
95th percentile per-packet one-way delay: 18.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 18.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.28 Mbit/s
95th percentile per-packet one-way delay: 17.368 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.37 Mbit/s
95th percentile per-packet one-way delay: 18.838 ms
Loss rate: 0.02%

Run 7: Report of Copa — Data Link

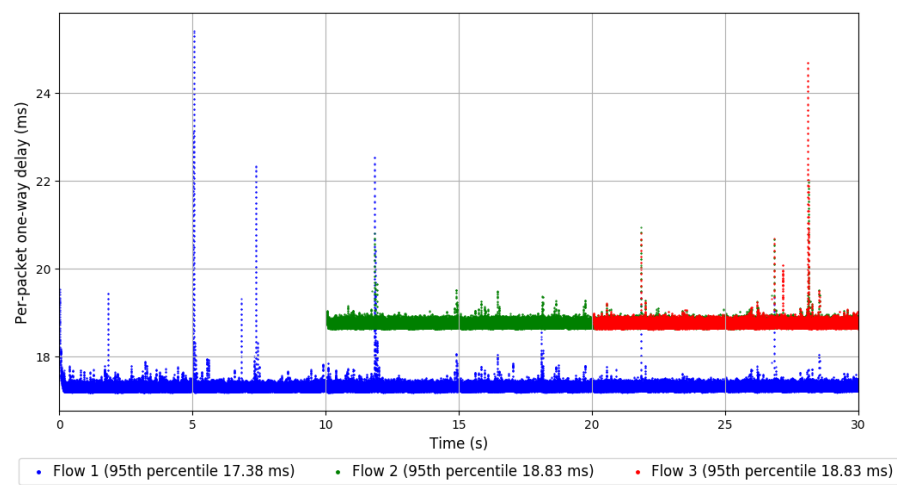
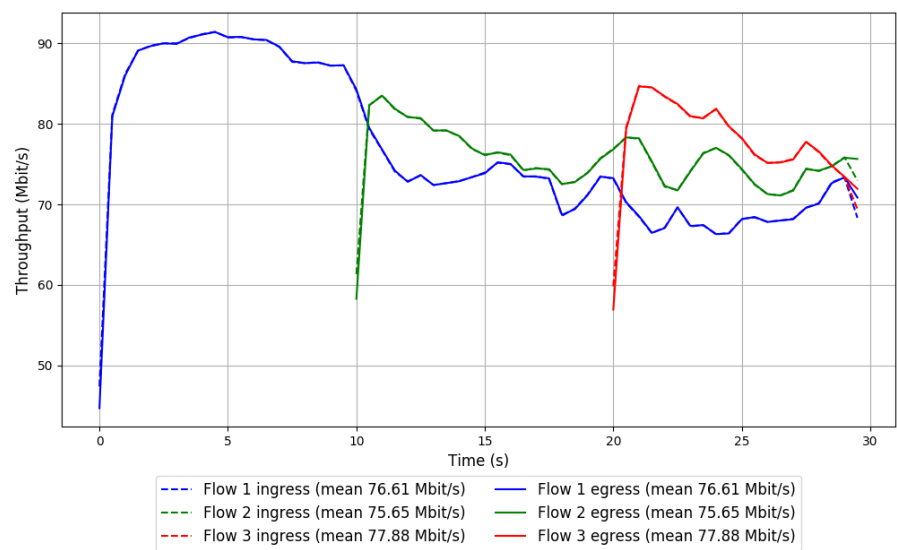


Run 8: Statistics of Copa

Start at: 2018-02-13 22:08:15
End at: 2018-02-13 22:08:45
Local clock offset: 0.535 ms
Remote clock offset: -6.442 ms

```
# Below is generated by plot.py at 2018-02-14 03:20:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 152.83 Mbit/s
95th percentile per-packet one-way delay: 18.795 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 76.61 Mbit/s
95th percentile per-packet one-way delay: 17.382 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.65 Mbit/s
95th percentile per-packet one-way delay: 18.831 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 18.826 ms
Loss rate: 0.02%
```

Run 8: Report of Copa — Data Link

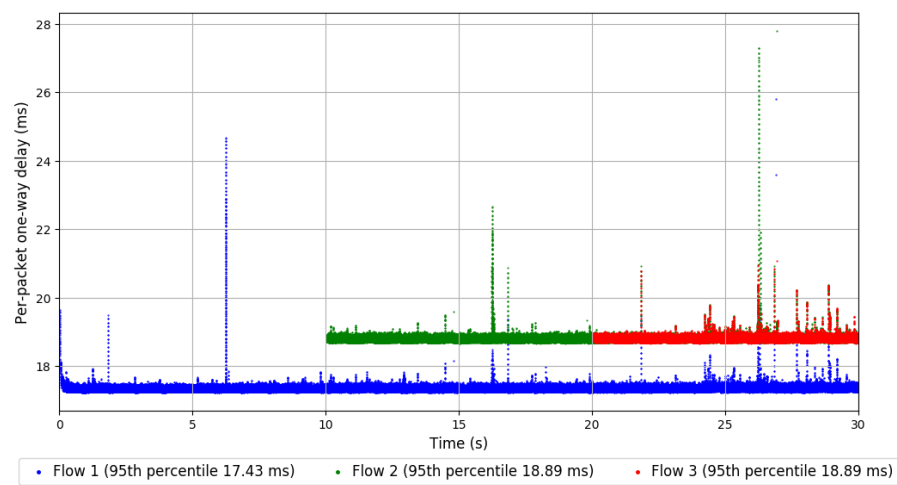
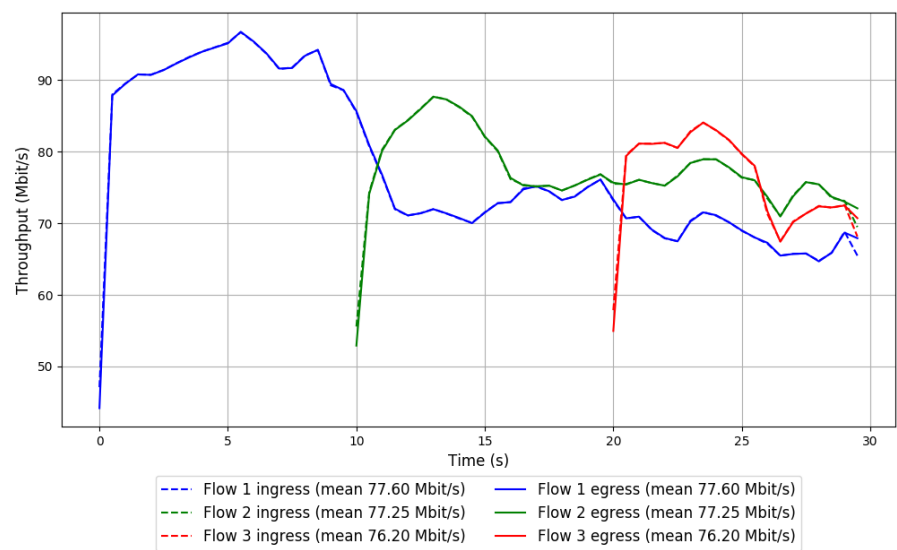


Run 9: Statistics of Copa

Start at: 2018-02-13 22:37:47
End at: 2018-02-13 22:38:17
Local clock offset: 1.048 ms
Remote clock offset: -5.055 ms

Below is generated by plot.py at 2018-02-14 03:20:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.34 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.60 Mbit/s
95th percentile per-packet one-way delay: 17.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 76.20 Mbit/s
95th percentile per-packet one-way delay: 18.890 ms
Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-02-13 23:07:16

End at: 2018-02-13 23:07:46

Local clock offset: 1.046 ms

Remote clock offset: -6.0 ms

Below is generated by plot.py at 2018-02-14 03:21:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 156.81 Mbit/s

95th percentile per-packet one-way delay: 18.899 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 82.20 Mbit/s

95th percentile per-packet one-way delay: 18.899 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 75.63 Mbit/s

95th percentile per-packet one-way delay: 18.893 ms

Loss rate: 0.01%

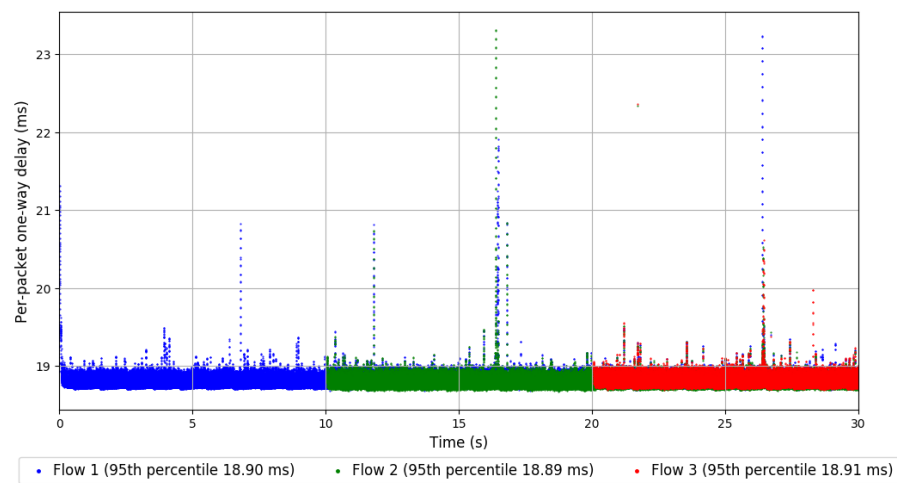
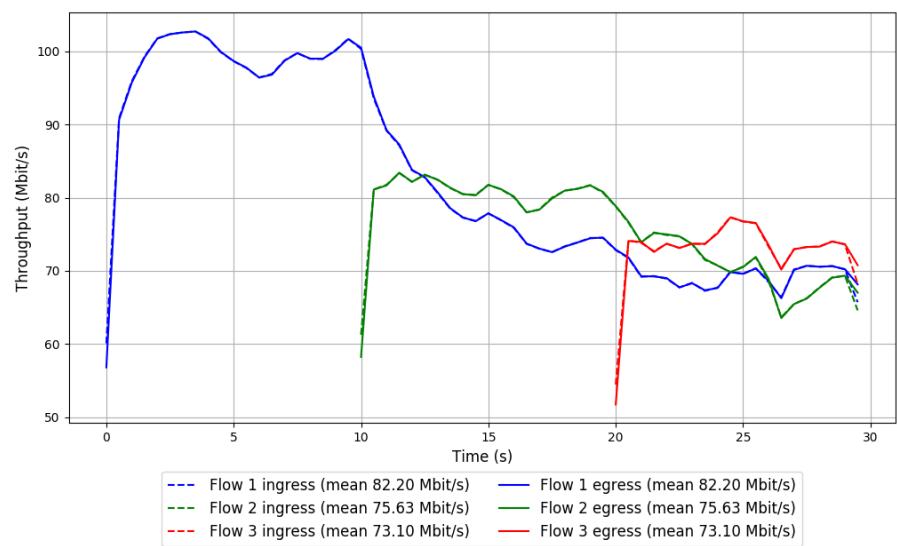
-- Flow 3:

Average throughput: 73.10 Mbit/s

95th percentile per-packet one-way delay: 18.911 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link

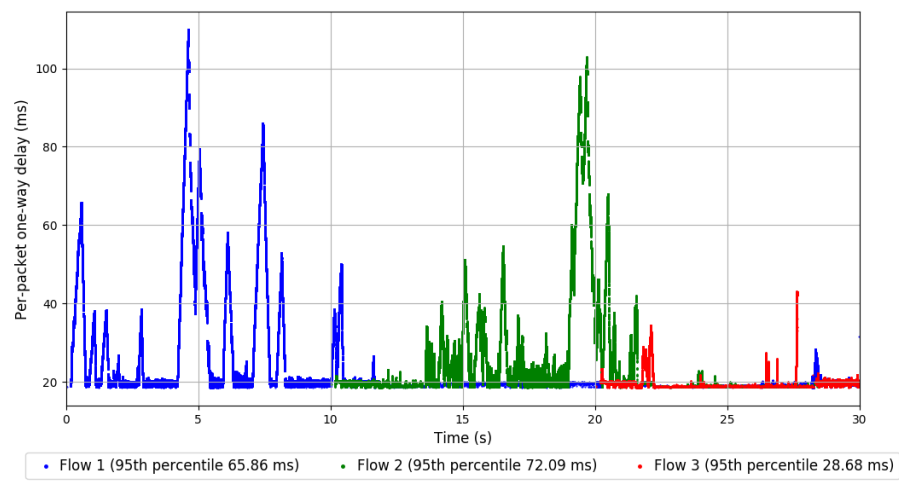
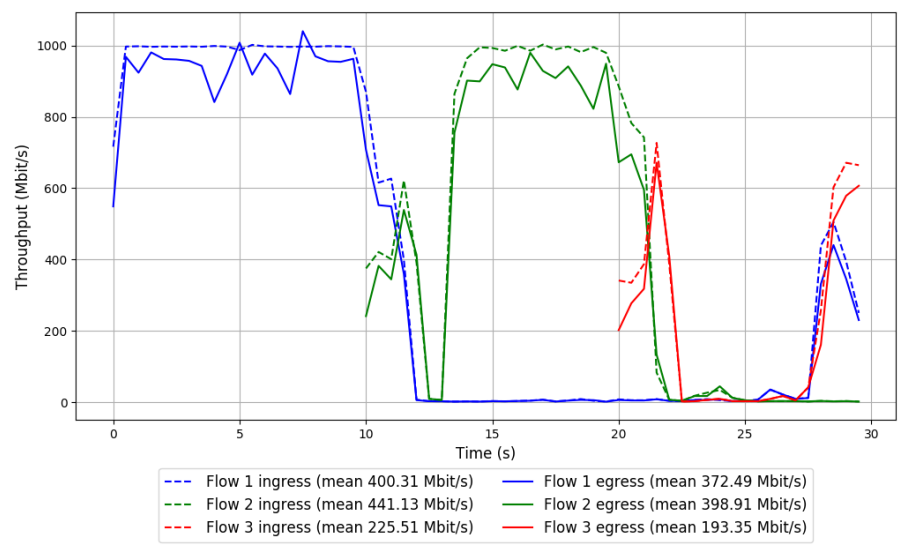


Run 1: Statistics of FillP

Start at: 2018-02-13 18:21:44
End at: 2018-02-13 18:22:14
Local clock offset: -0.992 ms
Remote clock offset: -5.762 ms

Below is generated by plot.py at 2018-02-14 03:26:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 702.10 Mbit/s
95th percentile per-packet one-way delay: 65.238 ms
Loss rate: 8.64%
-- Flow 1:
Average throughput: 372.49 Mbit/s
95th percentile per-packet one-way delay: 65.858 ms
Loss rate: 6.92%
-- Flow 2:
Average throughput: 398.91 Mbit/s
95th percentile per-packet one-way delay: 72.095 ms
Loss rate: 9.57%
-- Flow 3:
Average throughput: 193.35 Mbit/s
95th percentile per-packet one-way delay: 28.684 ms
Loss rate: 14.26%

Run 1: Report of FillP — Data Link

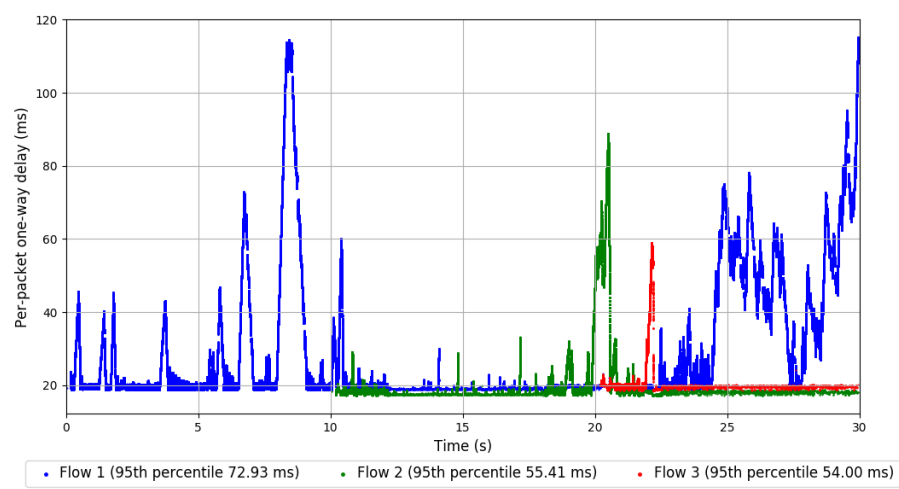
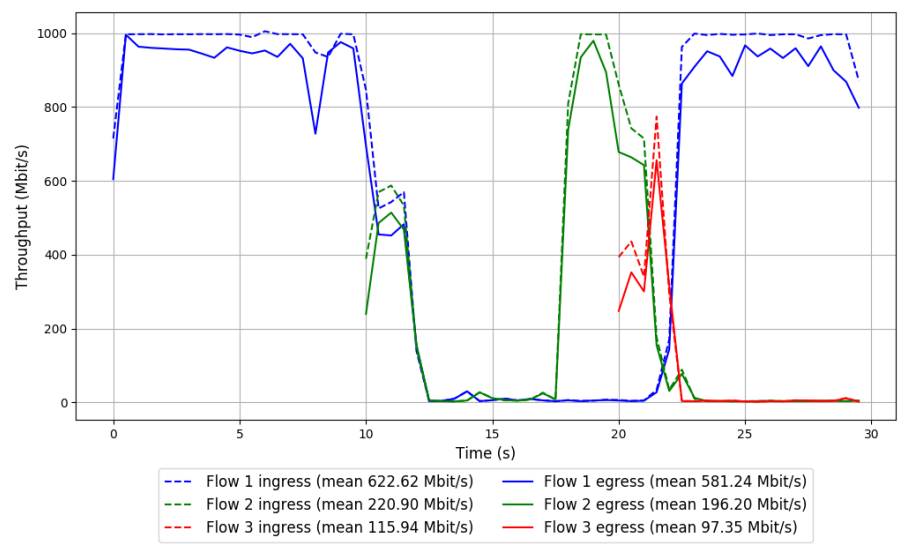


Run 2: Statistics of FillP

Start at: 2018-02-13 18:51:11
End at: 2018-02-13 18:51:41
Local clock offset: -0.914 ms
Remote clock offset: -6.557 ms

Below is generated by plot.py at 2018-02-14 03:28:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 744.00 Mbit/s
95th percentile per-packet one-way delay: 70.828 ms
Loss rate: 7.92%
-- Flow 1:
Average throughput: 581.24 Mbit/s
95th percentile per-packet one-way delay: 72.927 ms
Loss rate: 6.65%
-- Flow 2:
Average throughput: 196.20 Mbit/s
95th percentile per-packet one-way delay: 55.407 ms
Loss rate: 11.19%
-- Flow 3:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 53.999 ms
Loss rate: 16.04%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-13 19:20:42

End at: 2018-02-13 19:21:12

Local clock offset: 0.365 ms

Remote clock offset: -6.66 ms

Below is generated by plot.py at 2018-02-14 03:33:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 932.61 Mbit/s

95th percentile per-packet one-way delay: 69.306 ms

Loss rate: 10.49%

-- Flow 1:

Average throughput: 683.27 Mbit/s

95th percentile per-packet one-way delay: 76.605 ms

Loss rate: 8.93%

-- Flow 2:

Average throughput: 326.17 Mbit/s

95th percentile per-packet one-way delay: 26.823 ms

Loss rate: 14.13%

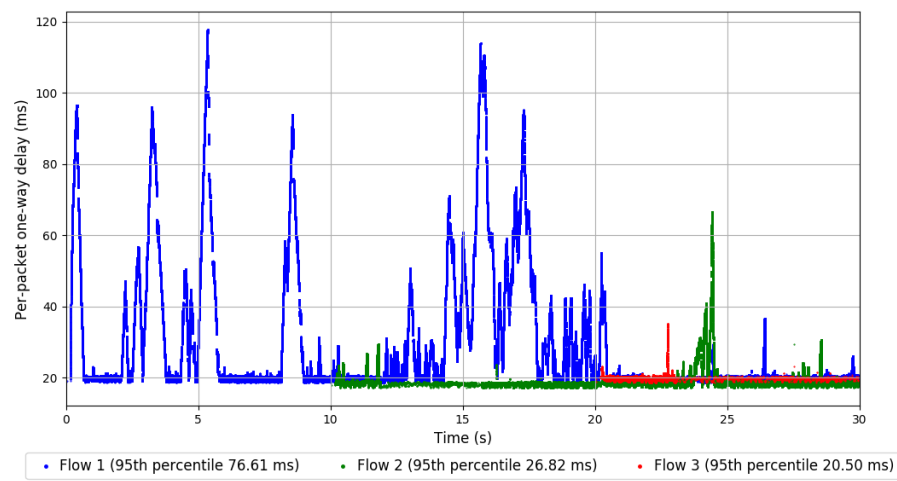
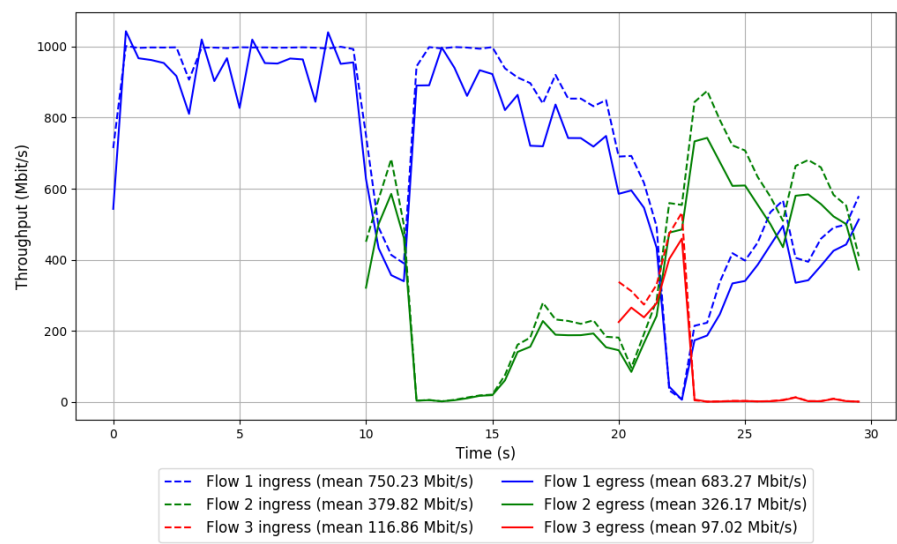
-- Flow 3:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 20.499 ms

Loss rate: 16.98%

Run 3: Report of FillP — Data Link

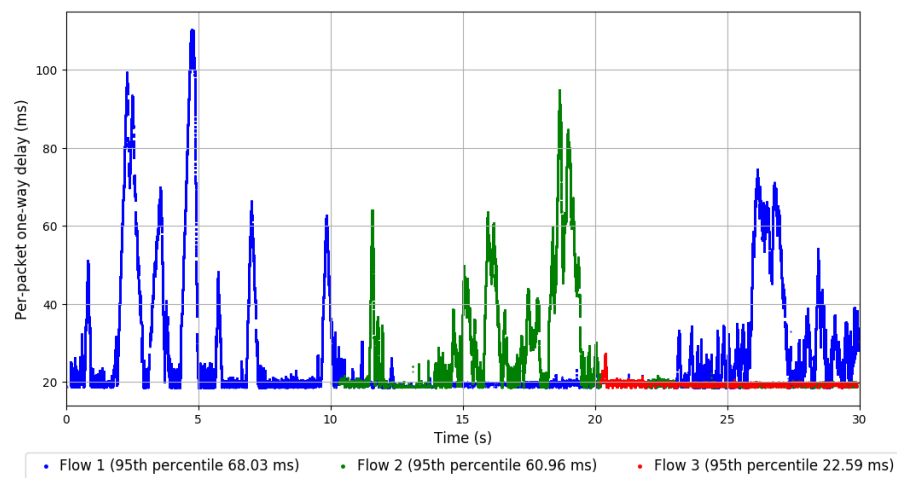
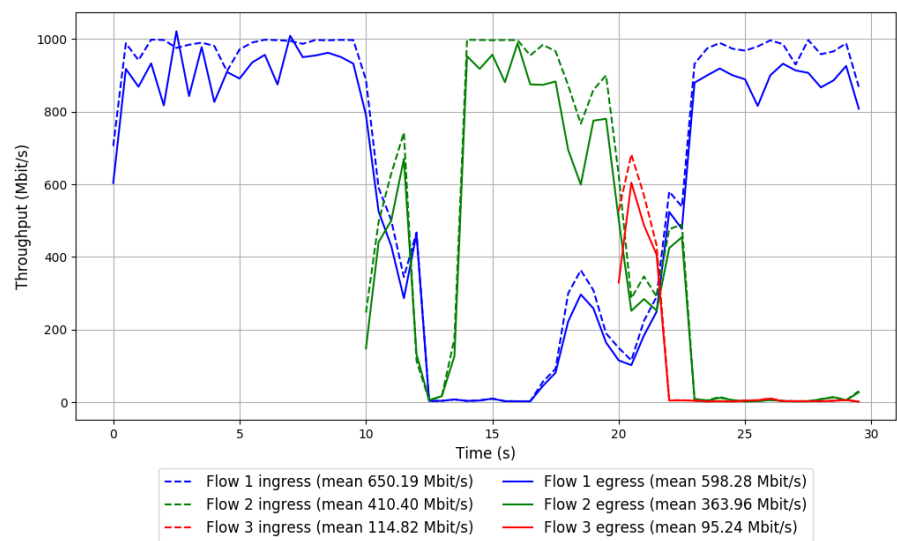


Run 4: Statistics of FillP

Start at: 2018-02-13 19:50:02
End at: 2018-02-13 19:50:32
Local clock offset: -0.285 ms
Remote clock offset: -6.677 ms

Below is generated by plot.py at 2018-02-14 03:33:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 871.61 Mbit/s
95th percentile per-packet one-way delay: 65.331 ms
Loss rate: 9.29%
-- Flow 1:
Average throughput: 598.28 Mbit/s
95th percentile per-packet one-way delay: 68.035 ms
Loss rate: 7.99%
-- Flow 2:
Average throughput: 363.96 Mbit/s
95th percentile per-packet one-way delay: 60.958 ms
Loss rate: 11.31%
-- Flow 3:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 22.592 ms
Loss rate: 16.97%

Run 4: Report of FillP — Data Link

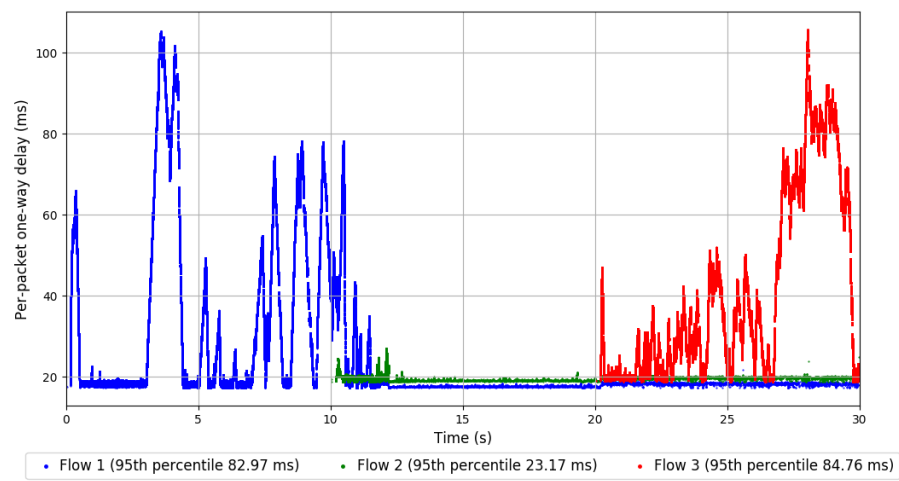
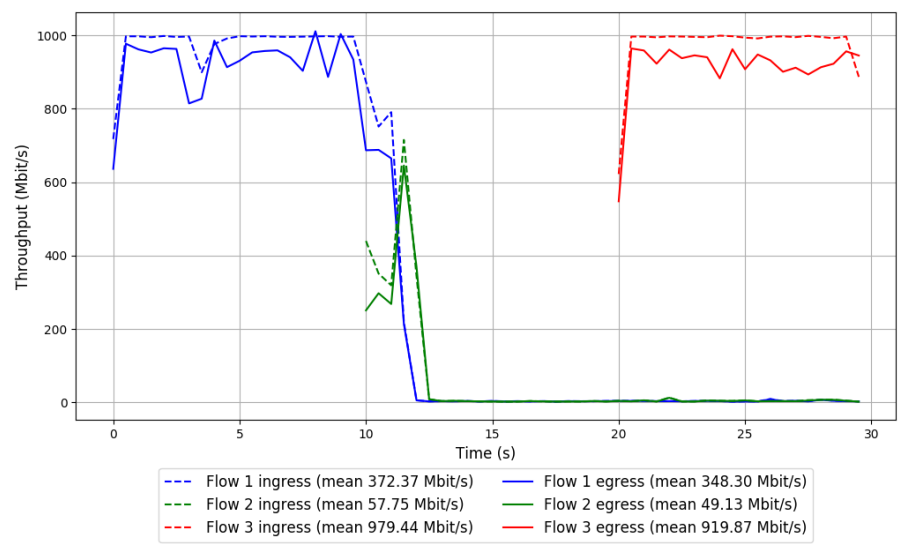


Run 5: Statistics of FillP

Start at: 2018-02-13 20:19:46
End at: 2018-02-13 20:20:16
Local clock offset: -0.276 ms
Remote clock offset: -6.806 ms

Below is generated by plot.py at 2018-02-14 03:33:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 685.64 Mbit/s
95th percentile per-packet one-way delay: 84.080 ms
Loss rate: 6.74%
-- Flow 1:
Average throughput: 348.30 Mbit/s
95th percentile per-packet one-way delay: 82.965 ms
Loss rate: 6.46%
-- Flow 2:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 23.174 ms
Loss rate: 14.90%
-- Flow 3:
Average throughput: 919.87 Mbit/s
95th percentile per-packet one-way delay: 84.756 ms
Loss rate: 6.08%

Run 5: Report of FillP — Data Link

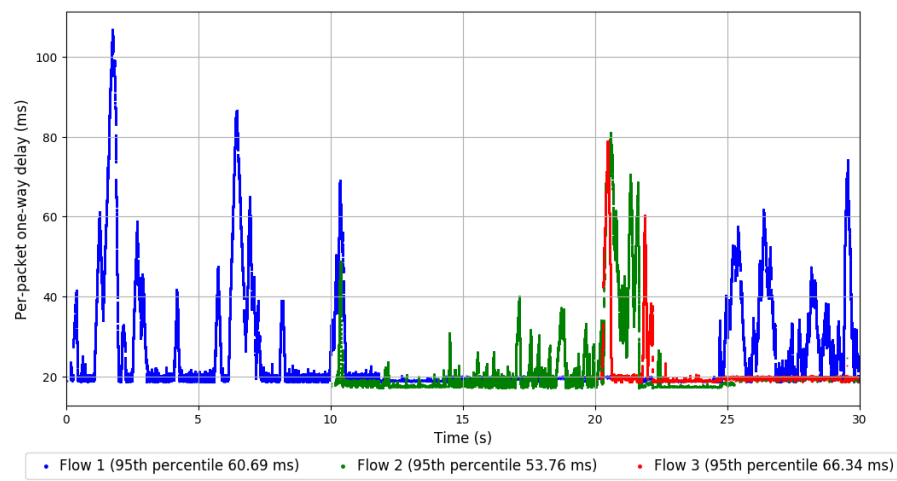
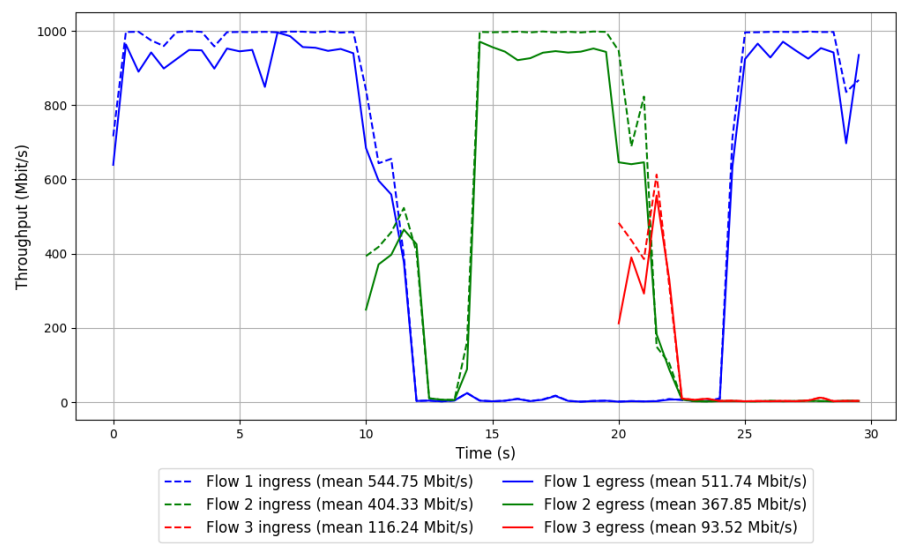


Run 6: Statistics of FillP

Start at: 2018-02-13 20:48:54
End at: 2018-02-13 20:49:24
Local clock offset: -0.175 ms
Remote clock offset: -5.721 ms

Below is generated by plot.py at 2018-02-14 03:33:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 787.41 Mbit/s
95th percentile per-packet one-way delay: 59.540 ms
Loss rate: 7.60%
-- Flow 1:
Average throughput: 511.74 Mbit/s
95th percentile per-packet one-way delay: 60.689 ms
Loss rate: 6.06%
-- Flow 2:
Average throughput: 367.85 Mbit/s
95th percentile per-packet one-way delay: 53.763 ms
Loss rate: 9.02%
-- Flow 3:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 66.336 ms
Loss rate: 19.55%

Run 6: Report of FillP — Data Link

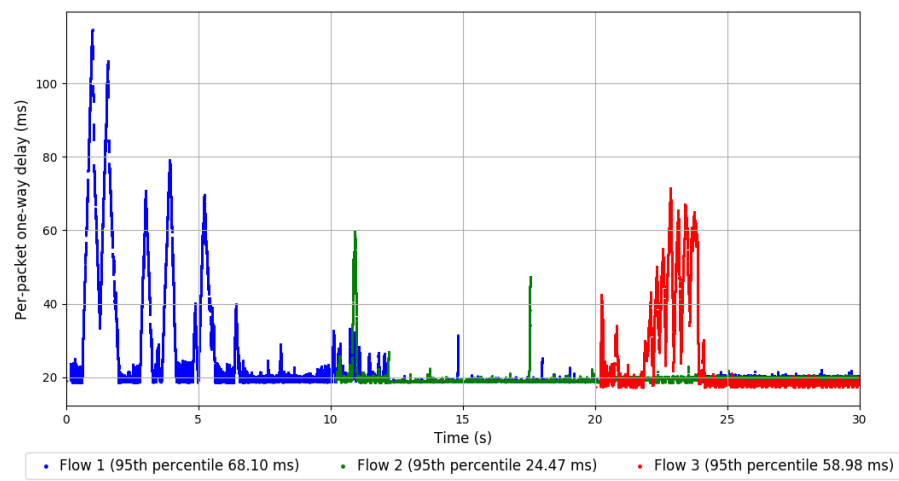
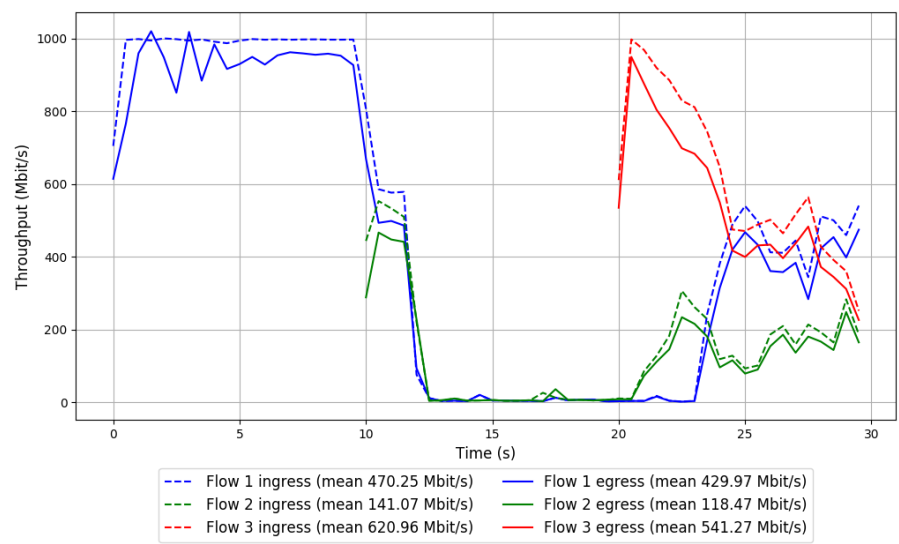


Run 7: Statistics of FillP

Start at: 2018-02-13 21:18:13
End at: 2018-02-13 21:18:43
Local clock offset: -0.008 ms
Remote clock offset: -5.494 ms

Below is generated by plot.py at 2018-02-14 03:33:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 688.20 Mbit/s
95th percentile per-packet one-way delay: 62.346 ms
Loss rate: 10.61%
-- Flow 1:
Average throughput: 429.97 Mbit/s
95th percentile per-packet one-way delay: 68.101 ms
Loss rate: 8.57%
-- Flow 2:
Average throughput: 118.47 Mbit/s
95th percentile per-packet one-way delay: 24.467 ms
Loss rate: 16.02%
-- Flow 3:
Average throughput: 541.27 Mbit/s
95th percentile per-packet one-way delay: 58.975 ms
Loss rate: 12.82%

Run 7: Report of FillP — Data Link

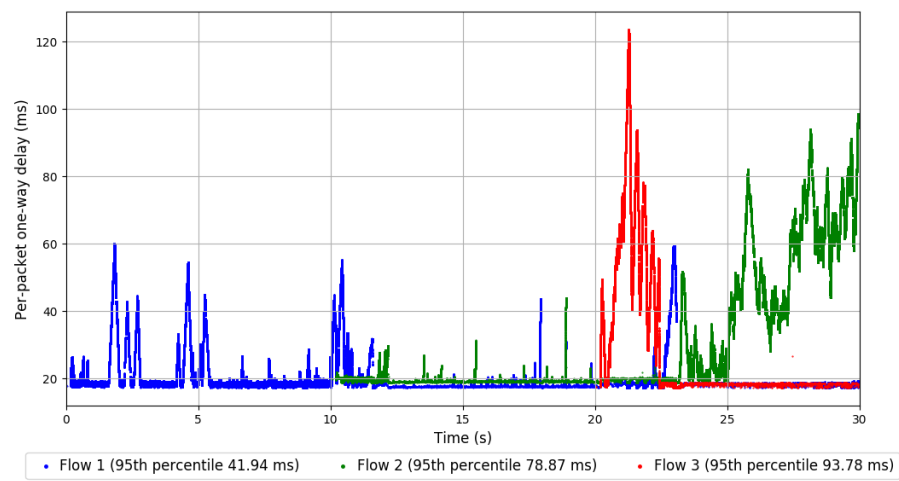
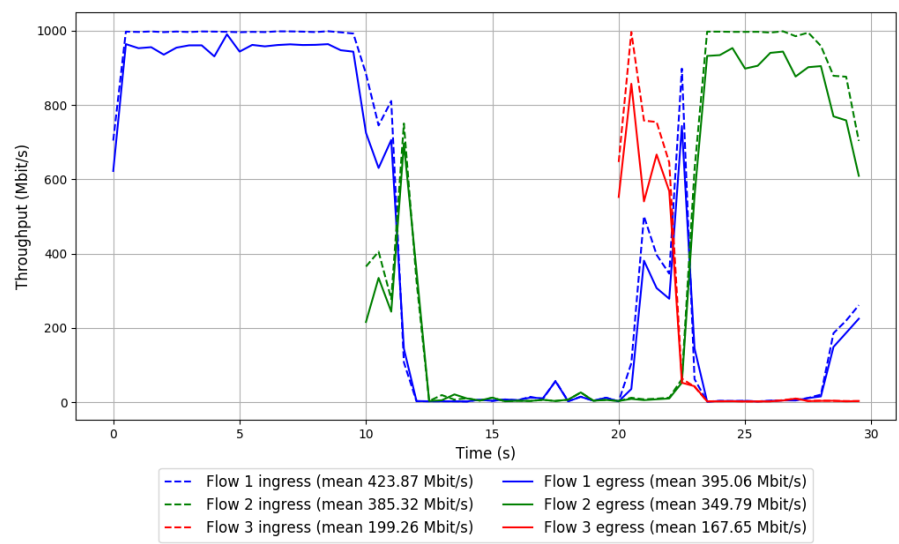


Run 8: Statistics of FillP

Start at: 2018-02-13 21:47:31
End at: 2018-02-13 21:48:01
Local clock offset: 0.385 ms
Remote clock offset: -5.843 ms

Below is generated by plot.py at 2018-02-14 03:33:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 683.38 Mbit/s
95th percentile per-packet one-way delay: 73.461 ms
Loss rate: 8.43%
-- Flow 1:
Average throughput: 395.06 Mbit/s
95th percentile per-packet one-way delay: 41.935 ms
Loss rate: 6.80%
-- Flow 2:
Average throughput: 349.79 Mbit/s
95th percentile per-packet one-way delay: 78.873 ms
Loss rate: 9.23%
-- Flow 3:
Average throughput: 167.65 Mbit/s
95th percentile per-packet one-way delay: 93.779 ms
Loss rate: 15.86%

Run 8: Report of FillP — Data Link

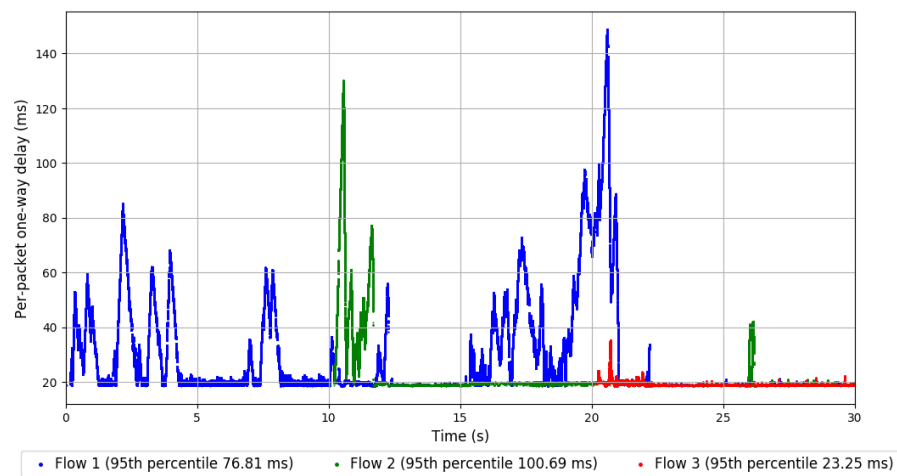
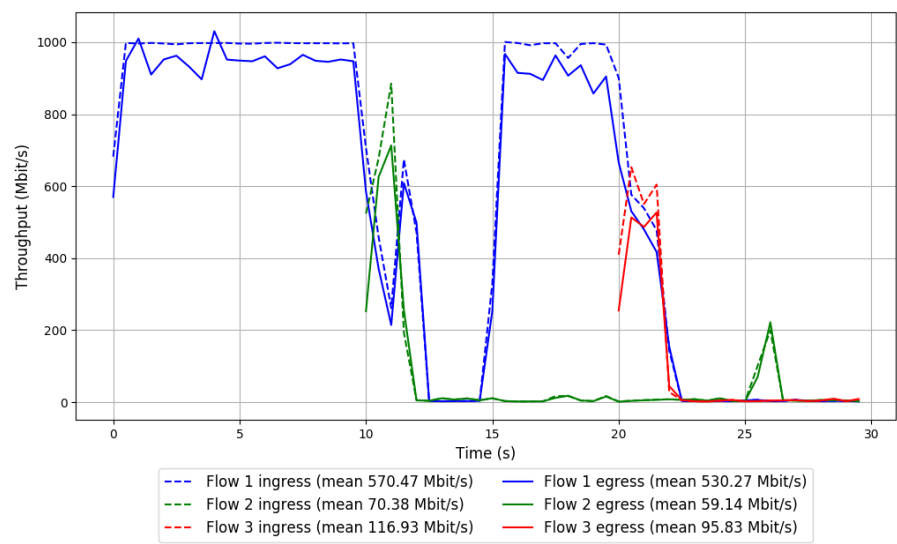


Run 9: Statistics of FillP

Start at: 2018-02-13 22:16:59
End at: 2018-02-13 22:17:29
Local clock offset: 0.626 ms
Remote clock offset: -6.301 ms

Below is generated by plot.py at 2018-02-14 03:37:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 601.32 Mbit/s
95th percentile per-packet one-way delay: 76.837 ms
Loss rate: 8.33%
-- Flow 1:
Average throughput: 530.27 Mbit/s
95th percentile per-packet one-way delay: 76.812 ms
Loss rate: 7.05%
-- Flow 2:
Average throughput: 59.14 Mbit/s
95th percentile per-packet one-way delay: 100.687 ms
Loss rate: 15.98%
-- Flow 3:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 23.247 ms
Loss rate: 18.05%

Run 9: Report of FillP — Data Link

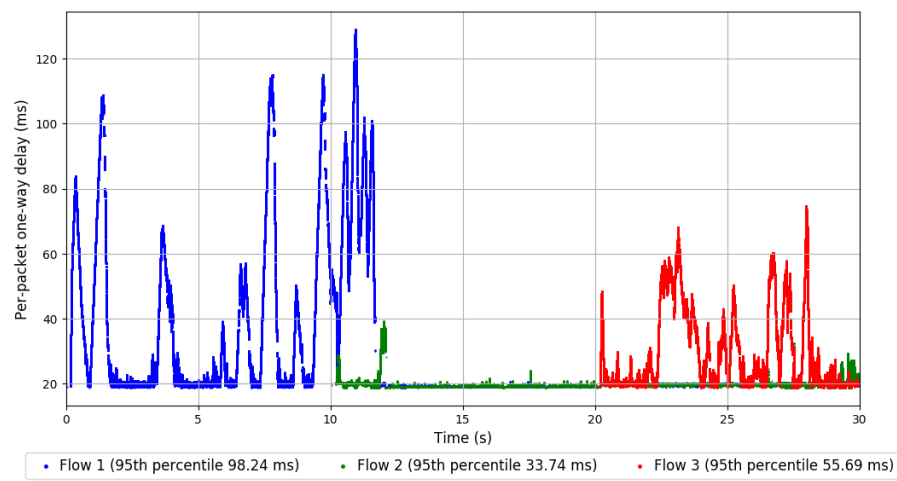
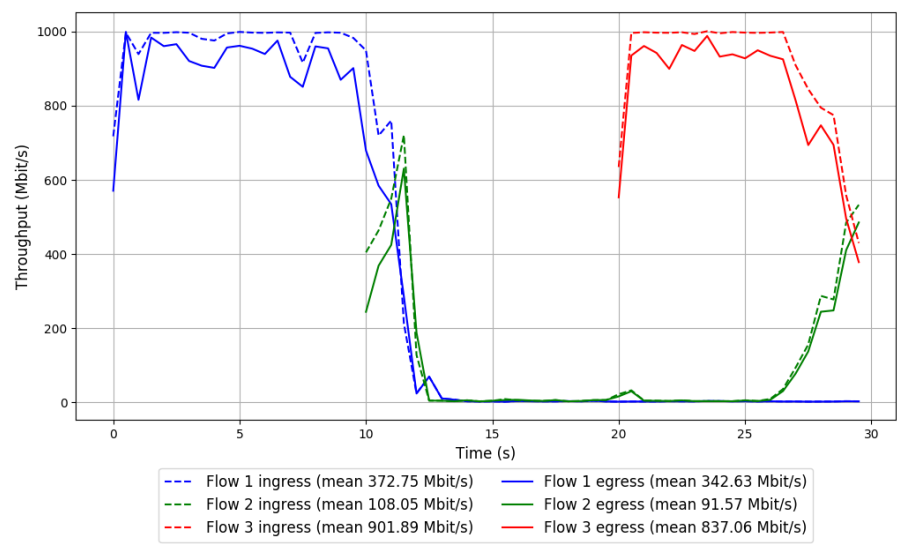


Run 10: Statistics of FillP

Start at: 2018-02-13 22:46:26
End at: 2018-02-13 22:46:56
Local clock offset: 1.14 ms
Remote clock offset: -4.904 ms

Below is generated by plot.py at 2018-02-14 03:39:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 680.81 Mbit/s
95th percentile per-packet one-way delay: 82.490 ms
Loss rate: 8.42%
-- Flow 1:
Average throughput: 342.63 Mbit/s
95th percentile per-packet one-way delay: 98.243 ms
Loss rate: 8.08%
-- Flow 2:
Average throughput: 91.57 Mbit/s
95th percentile per-packet one-way delay: 33.740 ms
Loss rate: 15.26%
-- Flow 3:
Average throughput: 837.06 Mbit/s
95th percentile per-packet one-way delay: 55.693 ms
Loss rate: 7.19%

Run 10: Report of FillP — Data Link

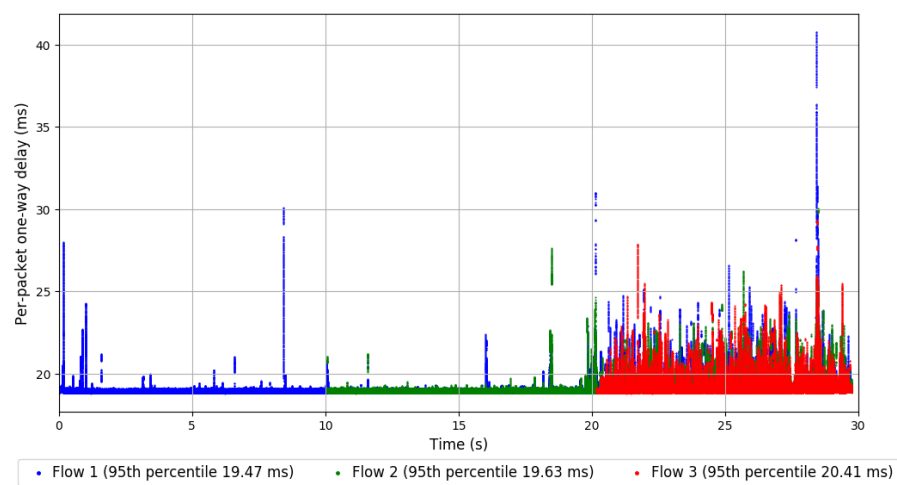
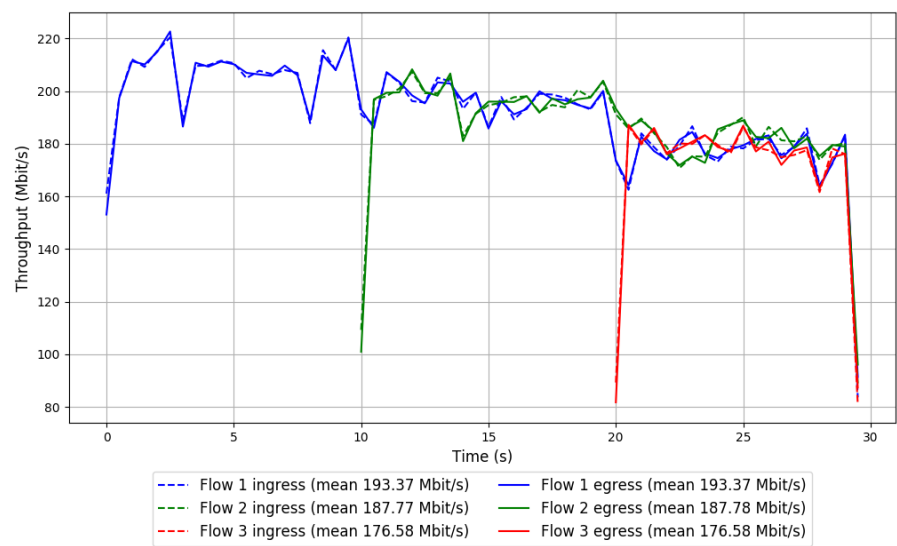


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-13 18:34:28
End at: 2018-02-13 18:34:58
Local clock offset: -0.979 ms
Remote clock offset: -6.225 ms

Below is generated by plot.py at 2018-02-14 03:39:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.81 Mbit/s
95th percentile per-packet one-way delay: 19.709 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 193.37 Mbit/s
95th percentile per-packet one-way delay: 19.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 187.78 Mbit/s
95th percentile per-packet one-way delay: 19.632 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 176.58 Mbit/s
95th percentile per-packet one-way delay: 20.414 ms
Loss rate: 0.01%

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

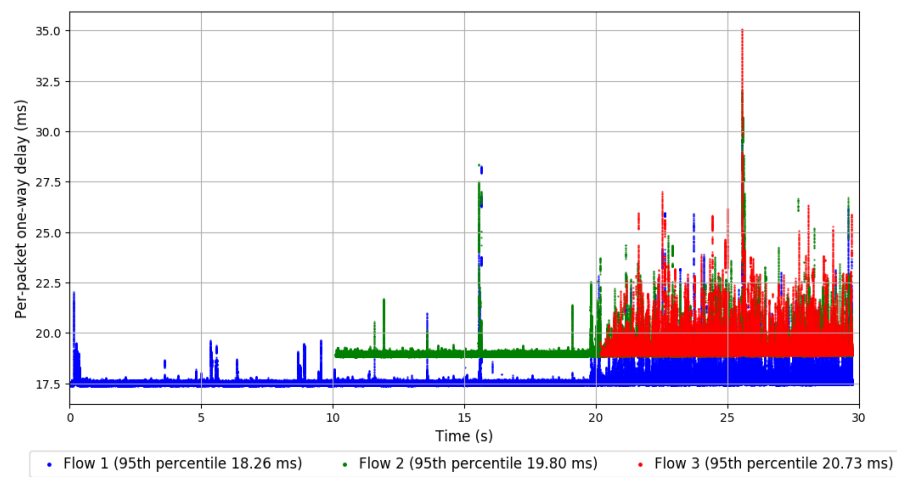
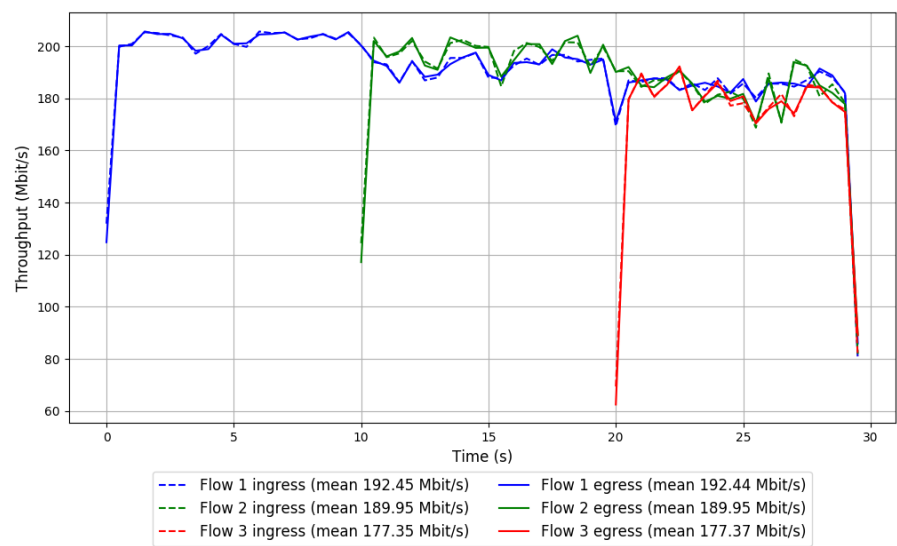


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-13 19:04:01
End at: 2018-02-13 19:04:31
Local clock offset: -0.83 ms
Remote clock offset: -6.574 ms

Below is generated by plot.py at 2018-02-14 03:39:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.21 Mbit/s
95th percentile per-packet one-way delay: 19.615 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 192.44 Mbit/s
95th percentile per-packet one-way delay: 18.261 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 189.95 Mbit/s
95th percentile per-packet one-way delay: 19.797 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 177.37 Mbit/s
95th percentile per-packet one-way delay: 20.733 ms
Loss rate: 0.01%

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

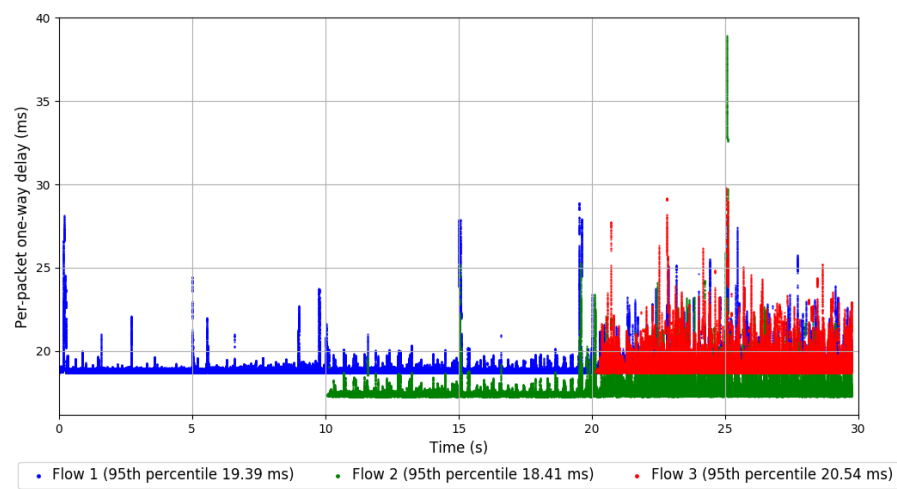
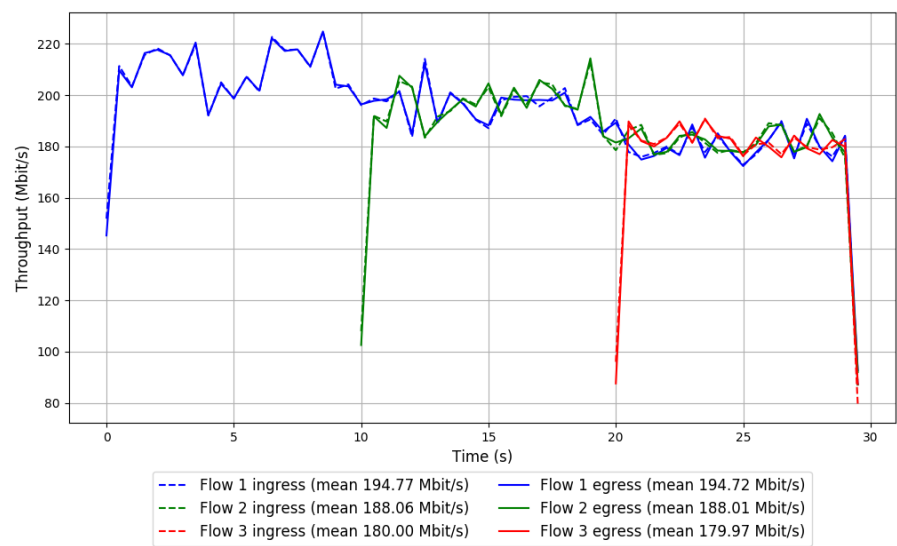


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-13 19:33:41
End at: 2018-02-13 19:34:11
Local clock offset: 0.478 ms
Remote clock offset: -6.563 ms

Below is generated by plot.py at 2018-02-14 03:39:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.27 Mbit/s
95th percentile per-packet one-way delay: 19.494 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 194.72 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 188.01 Mbit/s
95th percentile per-packet one-way delay: 18.410 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 179.97 Mbit/s
95th percentile per-packet one-way delay: 20.538 ms
Loss rate: 0.04%

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

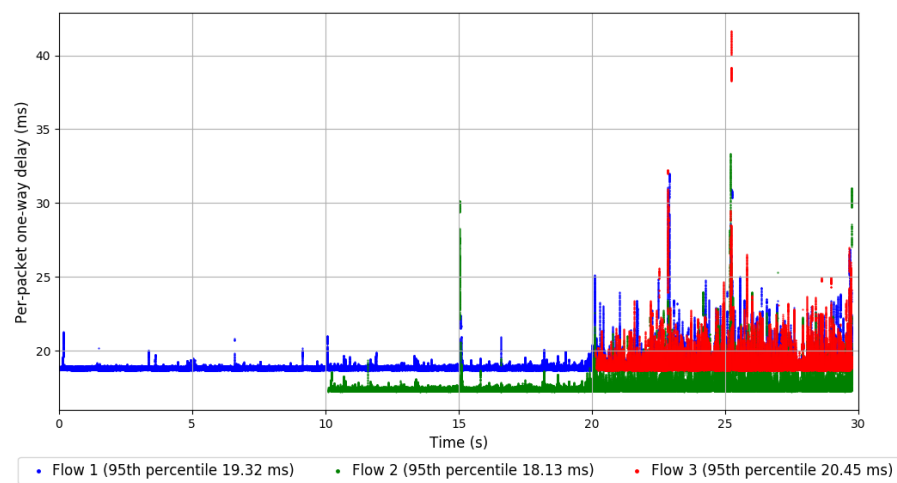
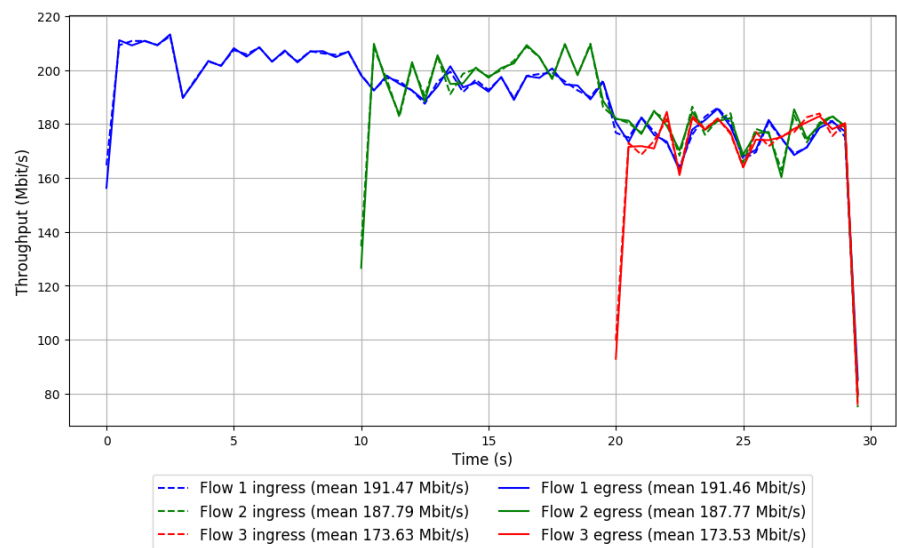


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-13 20:03:00
End at: 2018-02-13 20:03:30
Local clock offset: -0.656 ms
Remote clock offset: -6.744 ms

Below is generated by plot.py at 2018-02-14 03:39:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.74 Mbit/s
95th percentile per-packet one-way delay: 19.397 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 191.46 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 187.77 Mbit/s
95th percentile per-packet one-way delay: 18.130 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 173.53 Mbit/s
95th percentile per-packet one-way delay: 20.445 ms
Loss rate: 0.08%

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

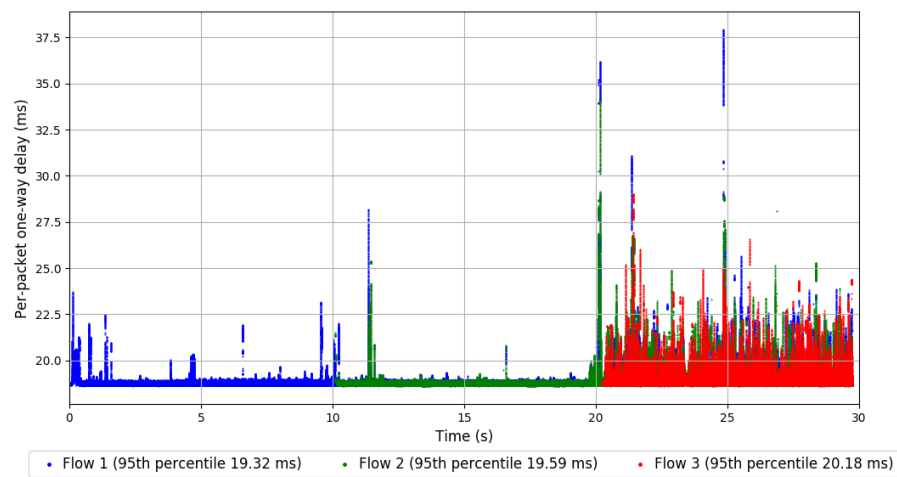
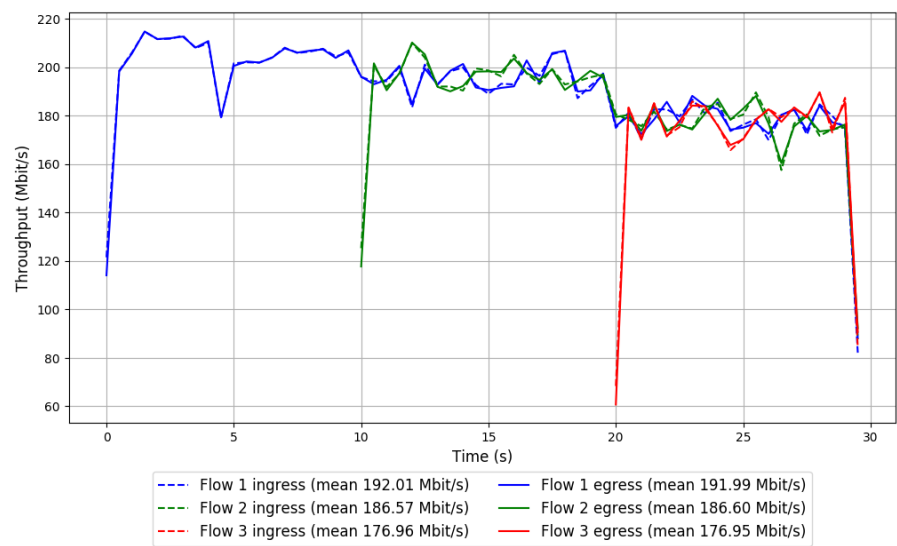


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-13 20:32:23
End at: 2018-02-13 20:32:53
Local clock offset: -0.11 ms
Remote clock offset: -6.869 ms

Below is generated by plot.py at 2018-02-14 03:39:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.07 Mbit/s
95th percentile per-packet one-way delay: 19.589 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 191.99 Mbit/s
95th percentile per-packet one-way delay: 19.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.60 Mbit/s
95th percentile per-packet one-way delay: 19.595 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 176.95 Mbit/s
95th percentile per-packet one-way delay: 20.178 ms
Loss rate: 0.02%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-02-13 21:01:43

End at: 2018-02-13 21:02:13

Local clock offset: -0.035 ms

Remote clock offset: -5.39 ms

Below is generated by plot.py at 2018-02-14 03:39:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 373.85 Mbit/s

95th percentile per-packet one-way delay: 19.830 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 194.49 Mbit/s

95th percentile per-packet one-way delay: 19.542 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 185.98 Mbit/s

95th percentile per-packet one-way delay: 19.692 ms

Loss rate: 0.01%

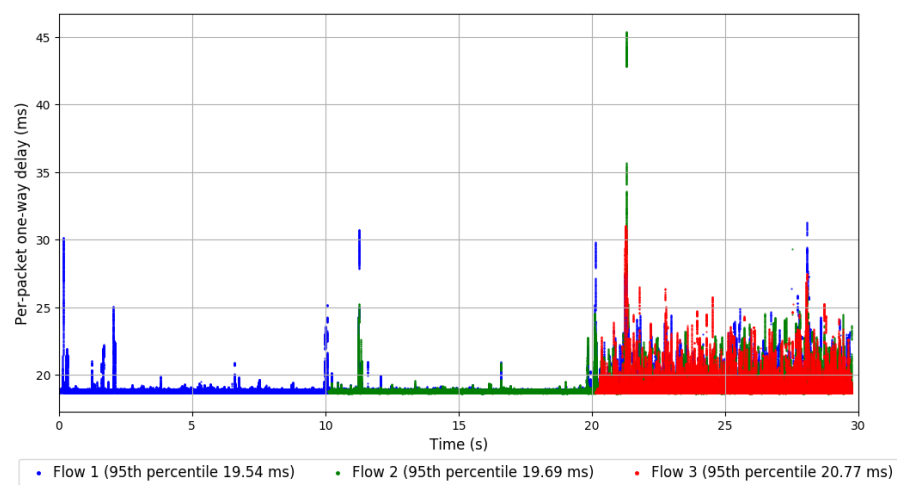
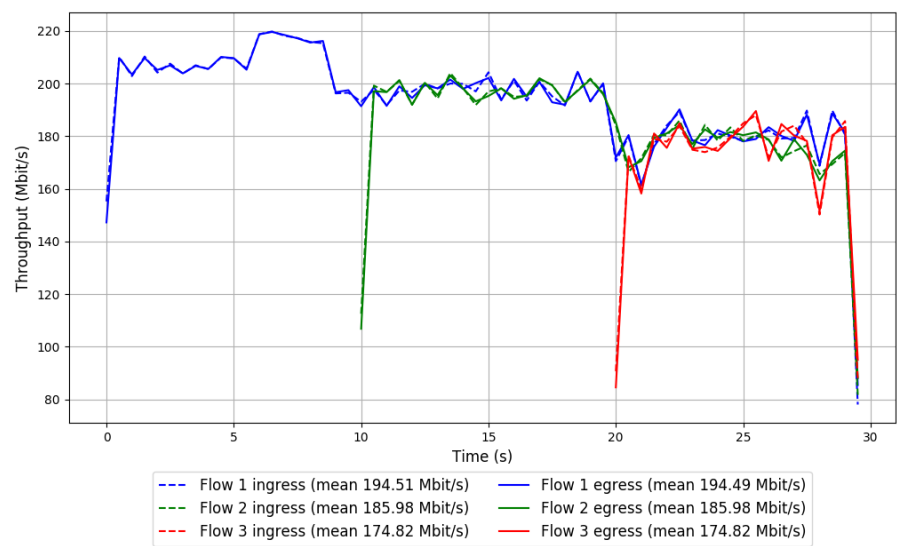
-- Flow 3:

Average throughput: 174.82 Mbit/s

95th percentile per-packet one-way delay: 20.774 ms

Loss rate: 0.01%

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

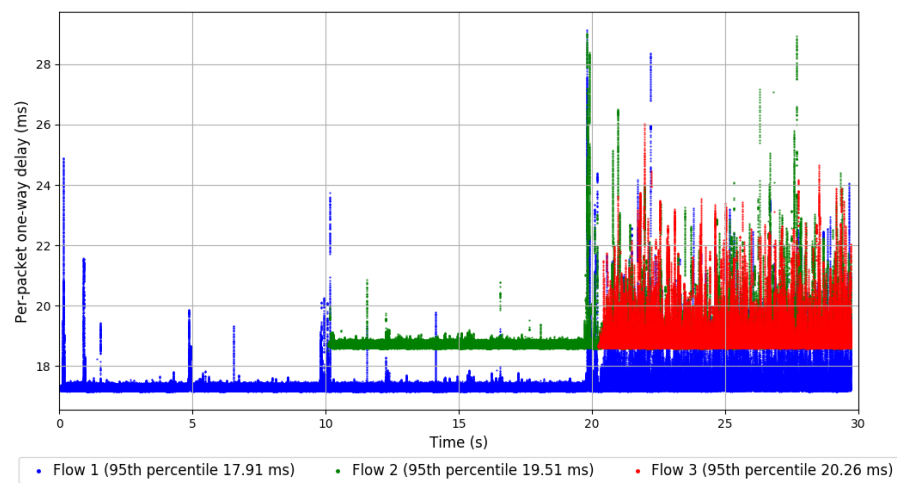
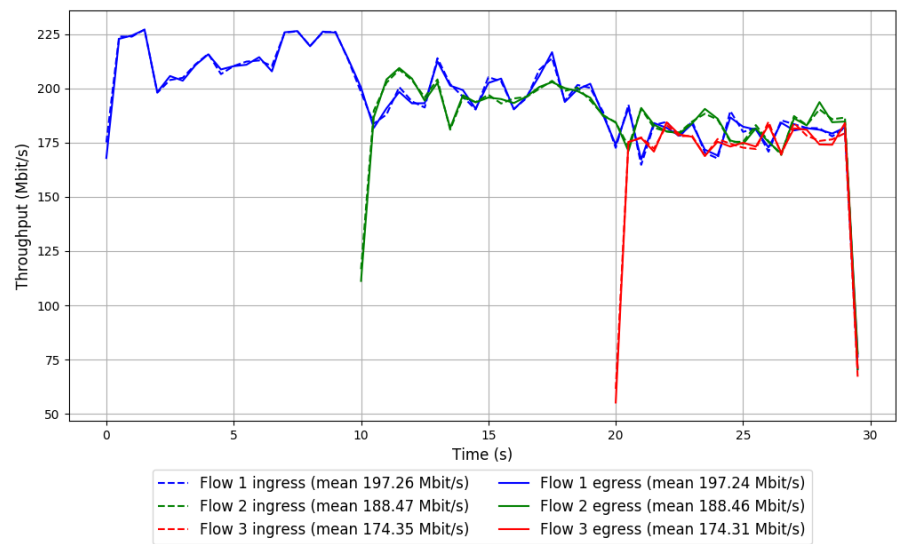


Run 7: Statistics of Indigo-1-32

Start at: 2018-02-13 21:31:04
End at: 2018-02-13 21:31:34
Local clock offset: 0.212 ms
Remote clock offset: -5.419 ms

Below is generated by plot.py at 2018-02-14 03:41:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.25 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 197.24 Mbit/s
95th percentile per-packet one-way delay: 17.912 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 188.46 Mbit/s
95th percentile per-packet one-way delay: 19.508 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 174.31 Mbit/s
95th percentile per-packet one-way delay: 20.257 ms
Loss rate: 0.04%

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

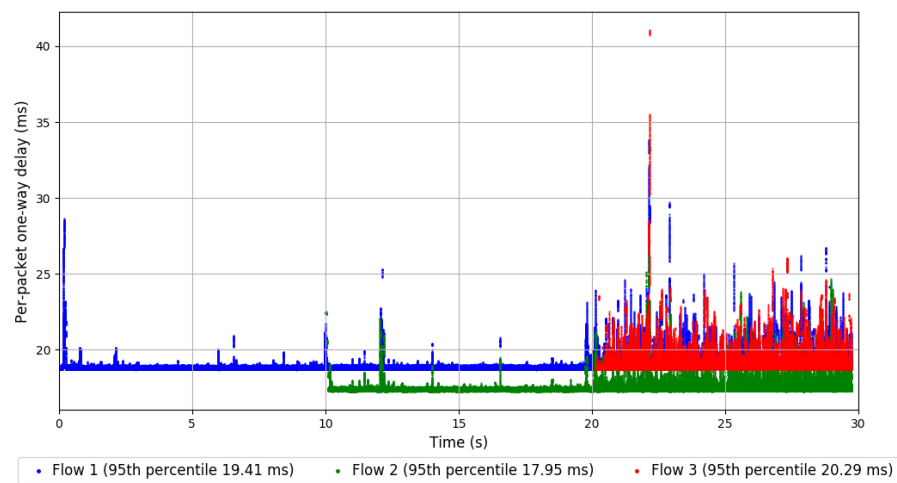
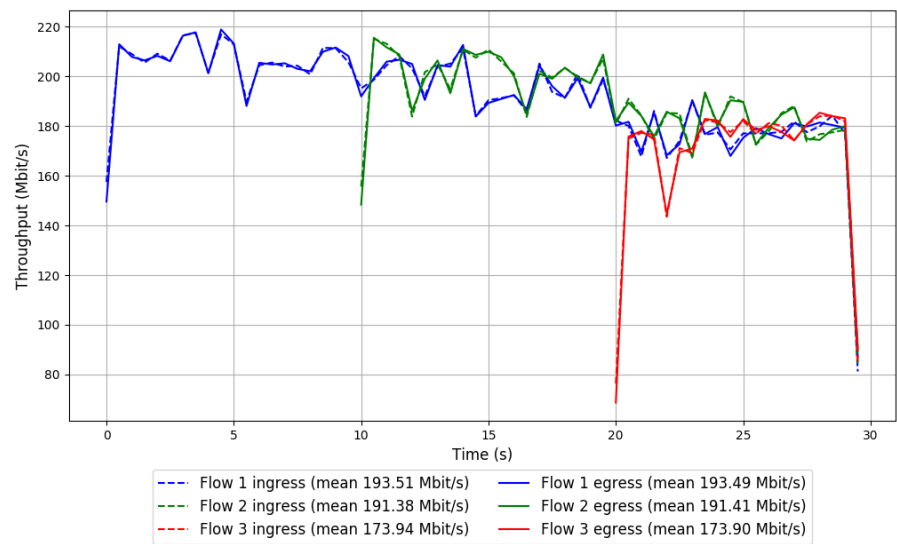


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-13 22:00:21
End at: 2018-02-13 22:00:51
Local clock offset: 0.397 ms
Remote clock offset: -6.337 ms

Below is generated by plot.py at 2018-02-14 03:41:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.48 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 193.49 Mbit/s
95th percentile per-packet one-way delay: 19.405 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 191.41 Mbit/s
95th percentile per-packet one-way delay: 17.955 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 173.90 Mbit/s
95th percentile per-packet one-way delay: 20.288 ms
Loss rate: 0.03%

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

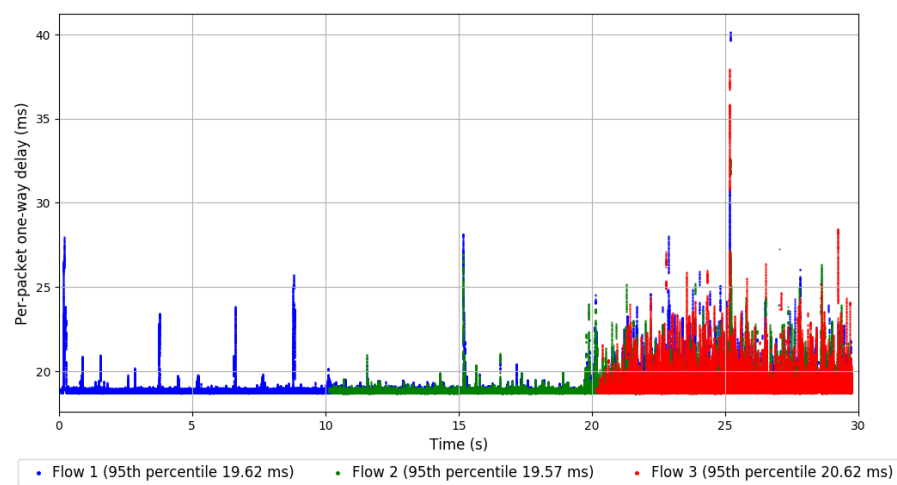
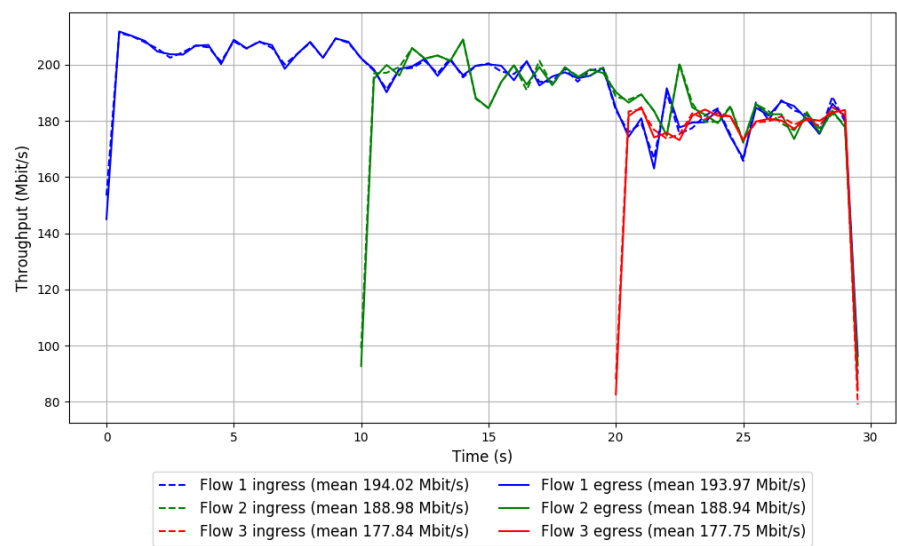


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-13 22:29:48
End at: 2018-02-13 22:30:18
Local clock offset: 0.818 ms
Remote clock offset: -5.289 ms

Below is generated by plot.py at 2018-02-14 03:41:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.90 Mbit/s
95th percentile per-packet one-way delay: 19.797 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 193.97 Mbit/s
95th percentile per-packet one-way delay: 19.620 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 188.94 Mbit/s
95th percentile per-packet one-way delay: 19.570 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 177.75 Mbit/s
95th percentile per-packet one-way delay: 20.619 ms
Loss rate: 0.06%

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

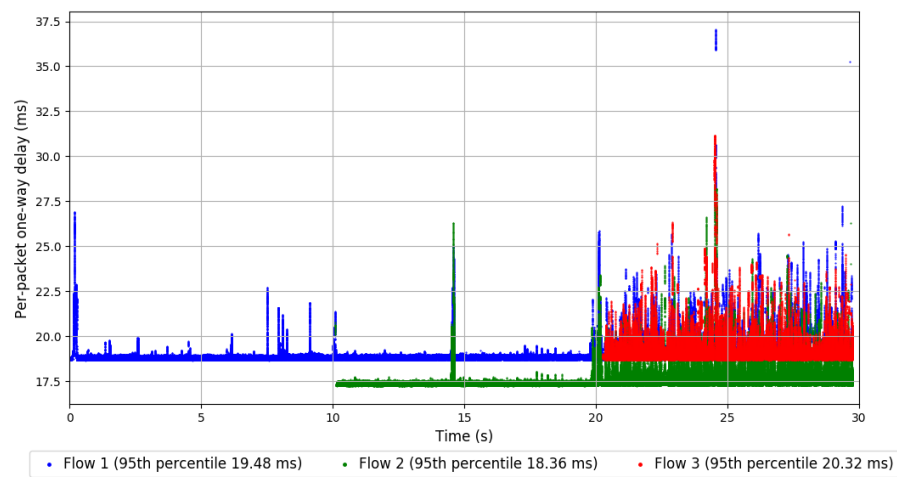
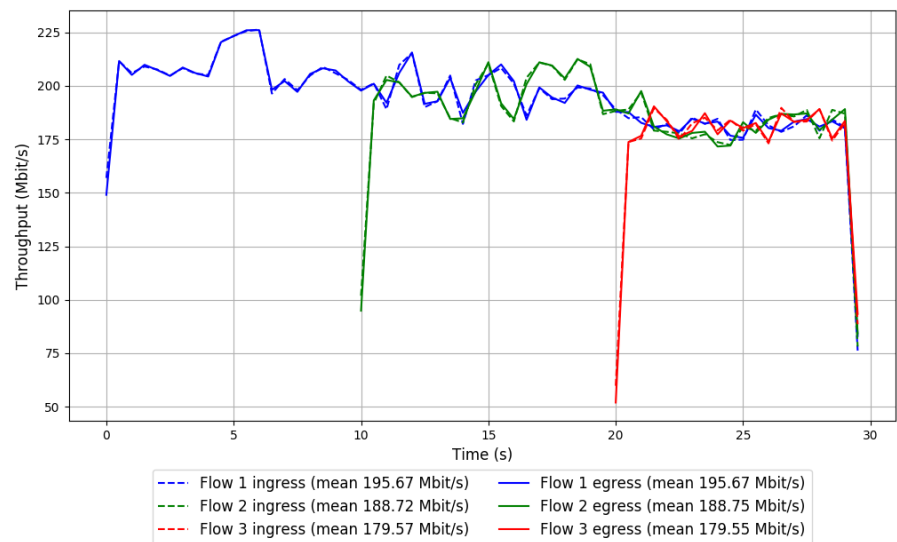


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-13 22:59:18
End at: 2018-02-13 22:59:48
Local clock offset: 1.389 ms
Remote clock offset: -5.801 ms

Below is generated by plot.py at 2018-02-14 03:42:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 377.87 Mbit/s
95th percentile per-packet one-way delay: 19.516 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 195.67 Mbit/s
95th percentile per-packet one-way delay: 19.477 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 188.75 Mbit/s
95th percentile per-packet one-way delay: 18.355 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 179.55 Mbit/s
95th percentile per-packet one-way delay: 20.321 ms
Loss rate: 0.03%

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

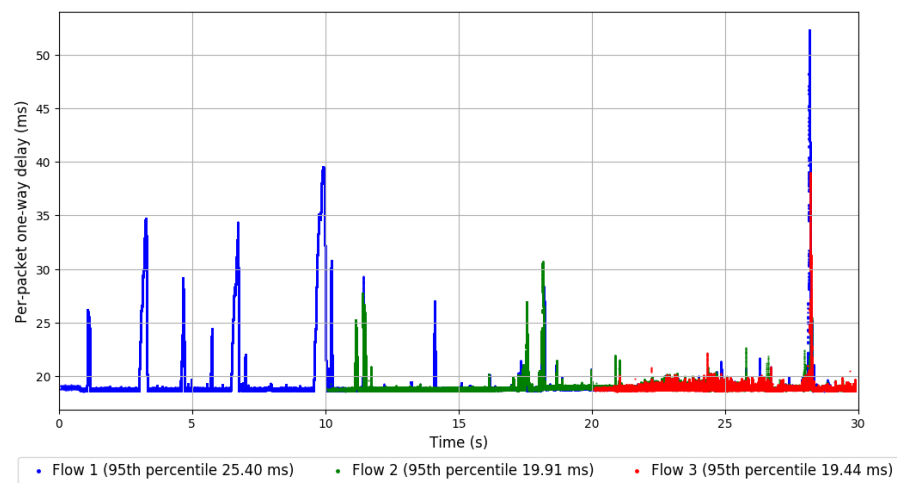
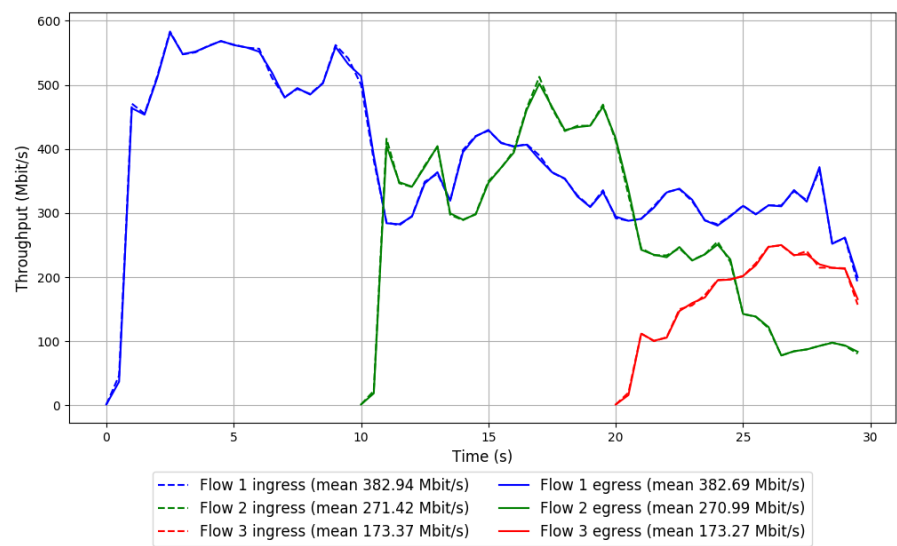


Run 1: Statistics of Vivace-latency

Start at: 2018-02-13 18:39:19
End at: 2018-02-13 18:39:49
Local clock offset: -0.821 ms
Remote clock offset: -6.421 ms

Below is generated by plot.py at 2018-02-14 03:46:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 619.74 Mbit/s
95th percentile per-packet one-way delay: 22.094 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 382.69 Mbit/s
95th percentile per-packet one-way delay: 25.398 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 270.99 Mbit/s
95th percentile per-packet one-way delay: 19.914 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 173.27 Mbit/s
95th percentile per-packet one-way delay: 19.442 ms
Loss rate: 0.07%

Run 1: Report of Vivace-latency — Data Link

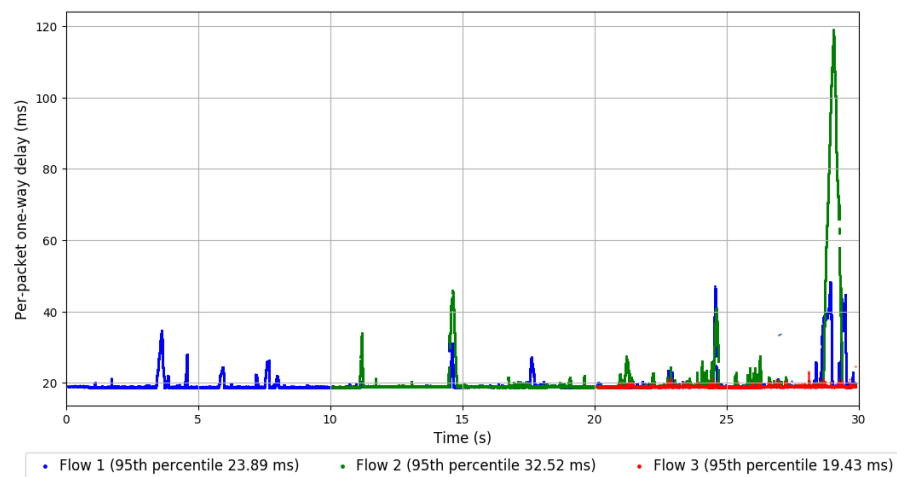
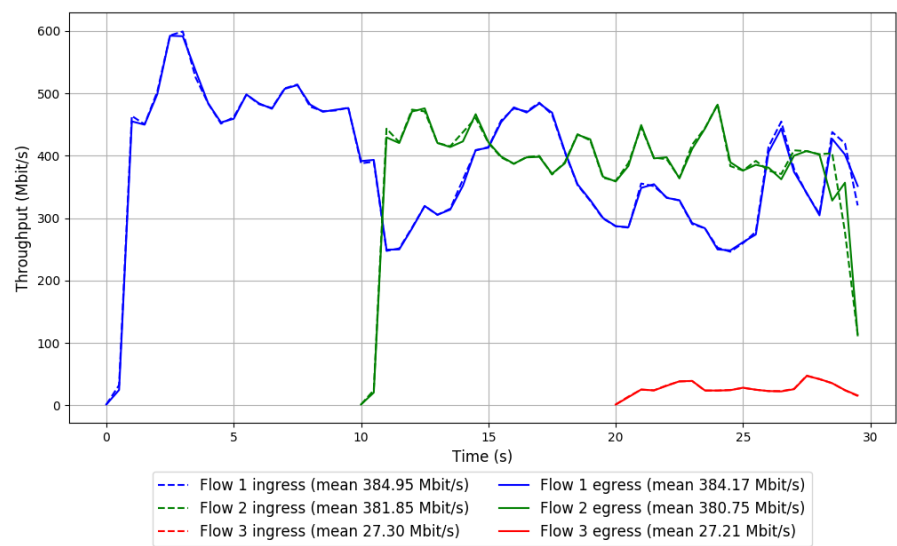


Run 2: Statistics of Vivace-latency

Start at: 2018-02-13 19:08:52
End at: 2018-02-13 19:09:22
Local clock offset: -0.184 ms
Remote clock offset: -6.519 ms

Below is generated by plot.py at 2018-02-14 03:47:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 646.10 Mbit/s
95th percentile per-packet one-way delay: 25.508 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 384.17 Mbit/s
95th percentile per-packet one-way delay: 23.888 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 380.75 Mbit/s
95th percentile per-packet one-way delay: 32.519 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 27.21 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 0.28%

Run 2: Report of Vivace-latency — Data Link

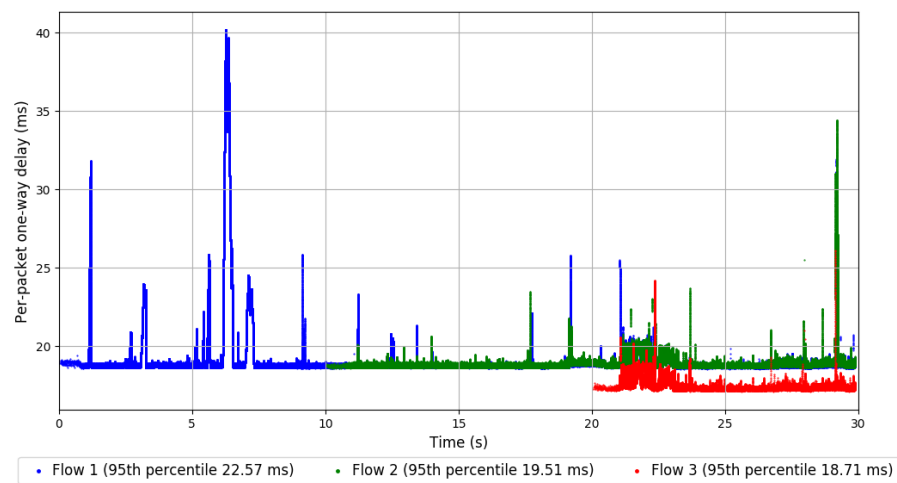
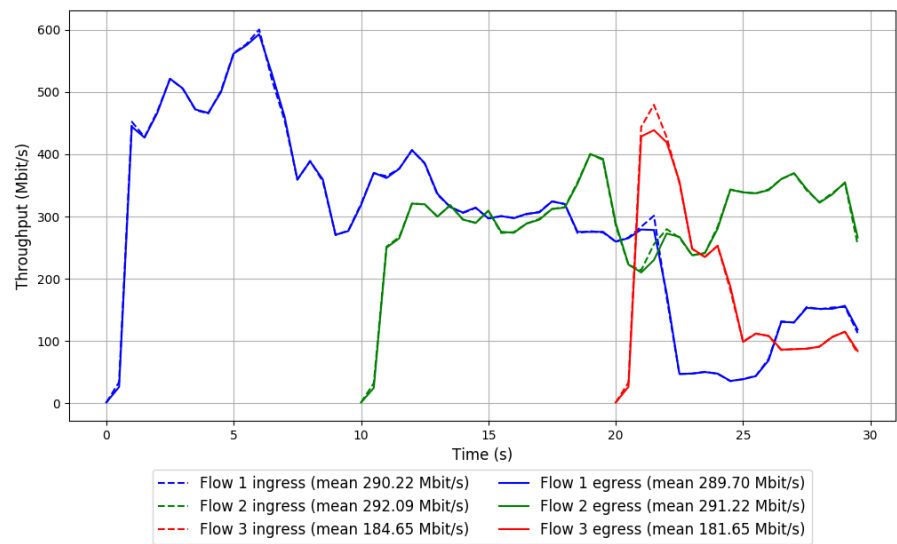


Run 3: Statistics of Vivace-latency

Start at: 2018-02-13 19:38:27
End at: 2018-02-13 19:38:57
Local clock offset: 0.153 ms
Remote clock offset: -6.623 ms

Below is generated by plot.py at 2018-02-14 03:47:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 543.12 Mbit/s
95th percentile per-packet one-way delay: 20.124 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 289.70 Mbit/s
95th percentile per-packet one-way delay: 22.571 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 291.22 Mbit/s
95th percentile per-packet one-way delay: 19.509 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 181.65 Mbit/s
95th percentile per-packet one-way delay: 18.714 ms
Loss rate: 1.62%

Run 3: Report of Vivace-latency — Data Link

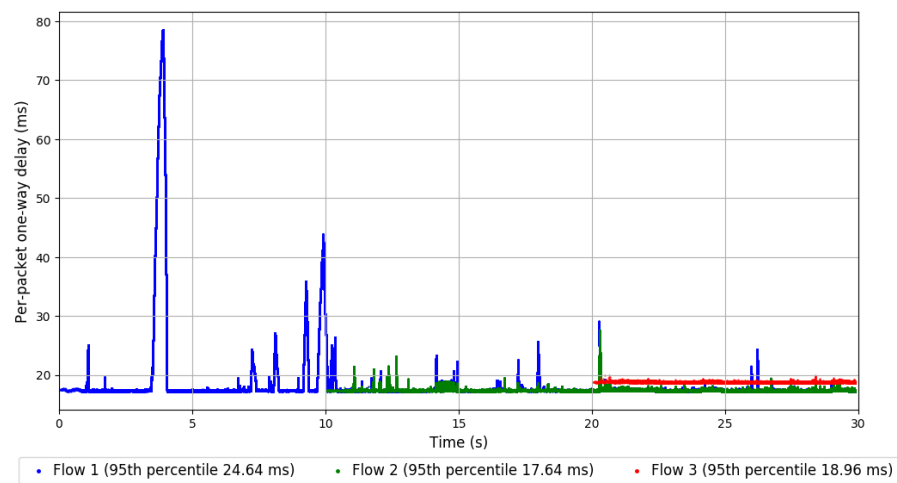
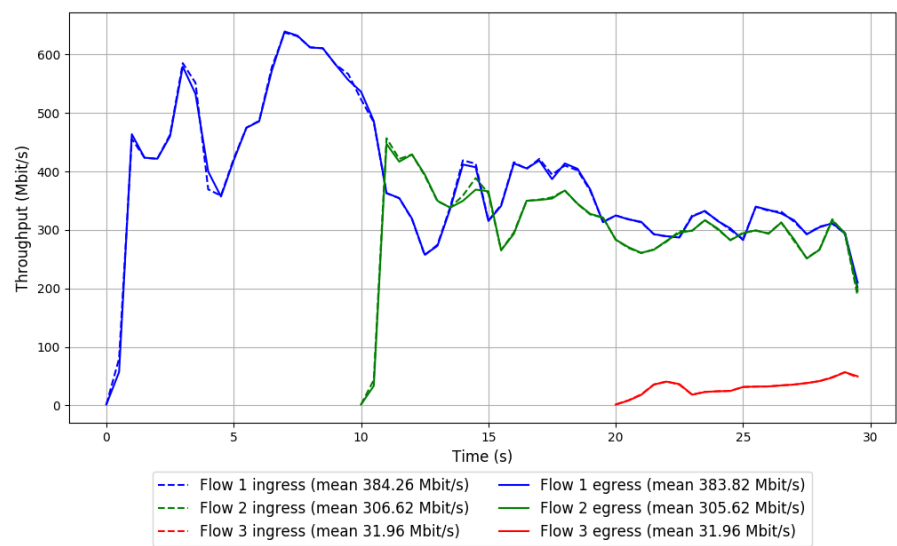


Run 4: Statistics of Vivace-latency

Start at: 2018-02-13 20:07:55
End at: 2018-02-13 20:08:25
Local clock offset: -0.656 ms
Remote clock offset: -6.683 ms

Below is generated by plot.py at 2018-02-14 03:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 597.55 Mbit/s
95th percentile per-packet one-way delay: 21.153 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 383.82 Mbit/s
95th percentile per-packet one-way delay: 24.637 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 305.62 Mbit/s
95th percentile per-packet one-way delay: 17.636 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 31.96 Mbit/s
95th percentile per-packet one-way delay: 18.960 ms
Loss rate: 0.03%

Run 4: Report of Vivace-latency — Data Link

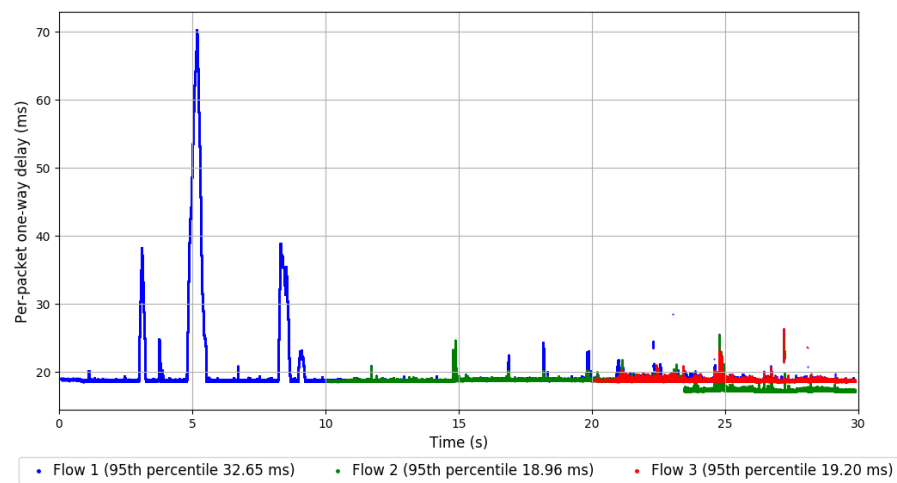
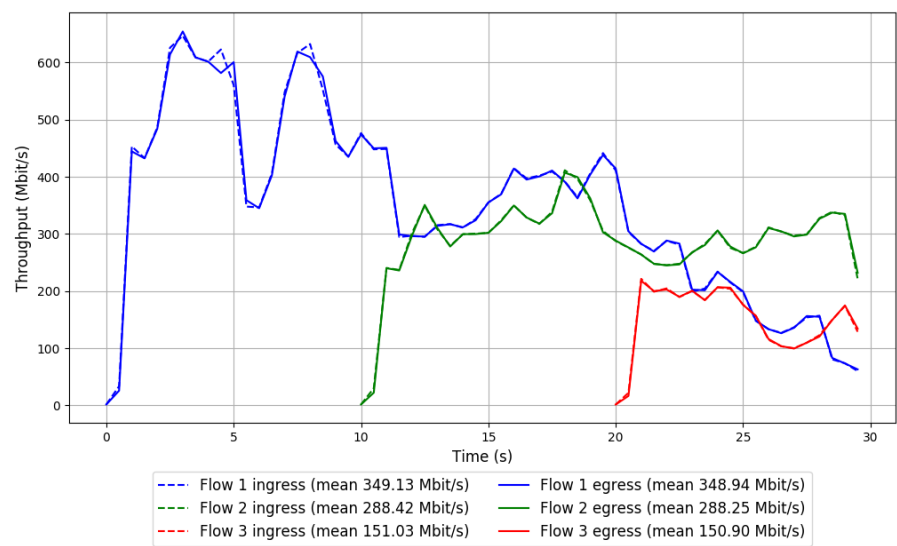


Run 5: Statistics of Vivace-latency

Start at: 2018-02-13 20:37:10
End at: 2018-02-13 20:37:40
Local clock offset: -0.101 ms
Remote clock offset: -6.402 ms

Below is generated by plot.py at 2018-02-14 03:49:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 590.23 Mbit/s
95th percentile per-packet one-way delay: 22.436 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 348.94 Mbit/s
95th percentile per-packet one-way delay: 32.650 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 288.25 Mbit/s
95th percentile per-packet one-way delay: 18.957 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 150.90 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.09%

Run 5: Report of Vivace-latency — Data Link

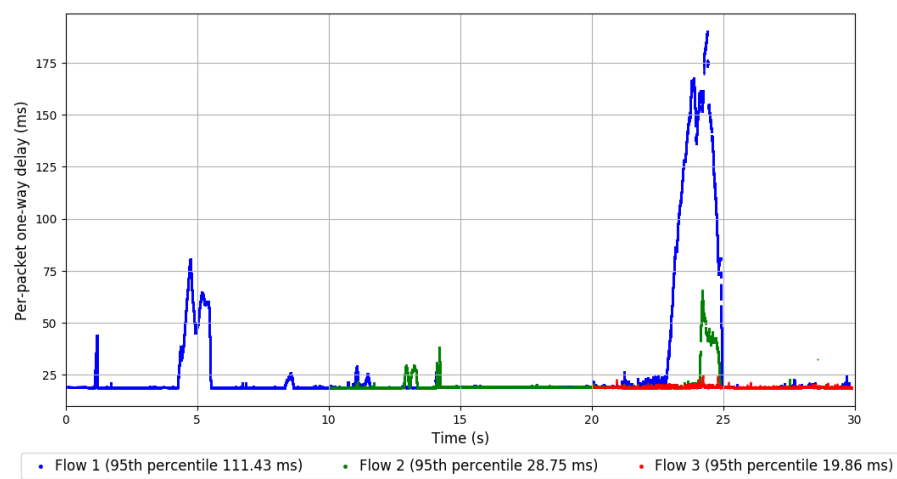
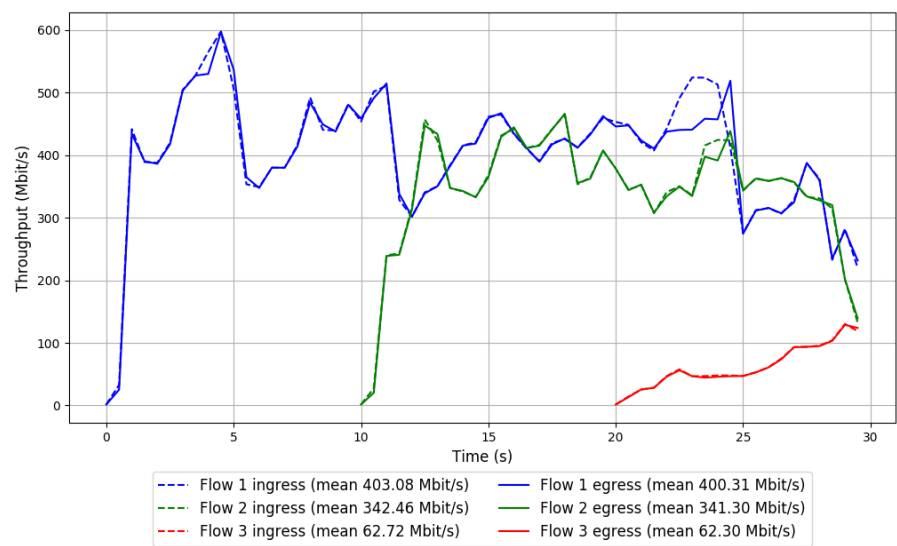


Run 6: Statistics of Vivace-latency

Start at: 2018-02-13 21:06:30
End at: 2018-02-13 21:07:00
Local clock offset: -0.128 ms
Remote clock offset: -5.421 ms

Below is generated by plot.py at 2018-02-14 03:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 647.67 Mbit/s
95th percentile per-packet one-way delay: 64.592 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 400.31 Mbit/s
95th percentile per-packet one-way delay: 111.429 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 341.30 Mbit/s
95th percentile per-packet one-way delay: 28.750 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 19.862 ms
Loss rate: 0.71%

Run 6: Report of Vivace-latency — Data Link

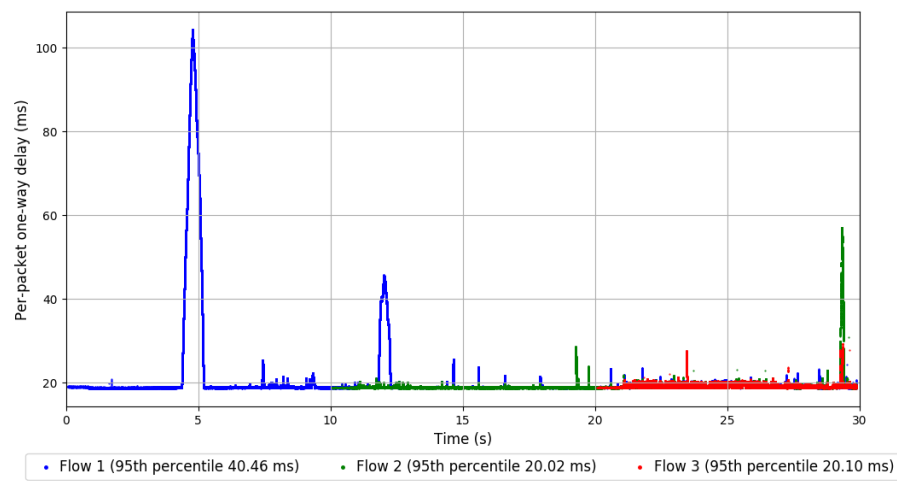
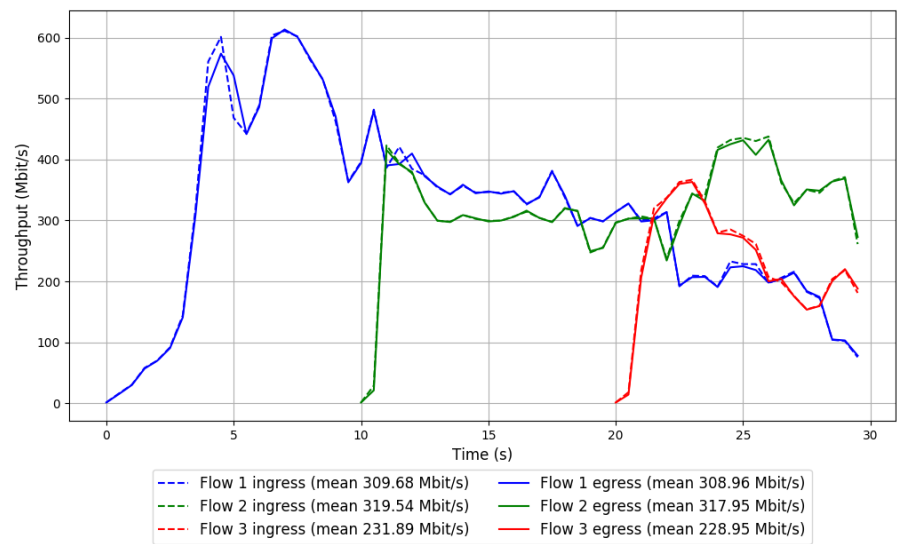


Run 7: Statistics of Vivace-latency

Start at: 2018-02-13 21:35:54
End at: 2018-02-13 21:36:24
Local clock offset: 0.253 ms
Remote clock offset: -5.374 ms

Below is generated by plot.py at 2018-02-14 03:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 595.67 Mbit/s
95th percentile per-packet one-way delay: 20.589 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 308.96 Mbit/s
95th percentile per-packet one-way delay: 40.456 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 317.95 Mbit/s
95th percentile per-packet one-way delay: 20.015 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 228.95 Mbit/s
95th percentile per-packet one-way delay: 20.103 ms
Loss rate: 1.28%

Run 7: Report of Vivace-latency — Data Link

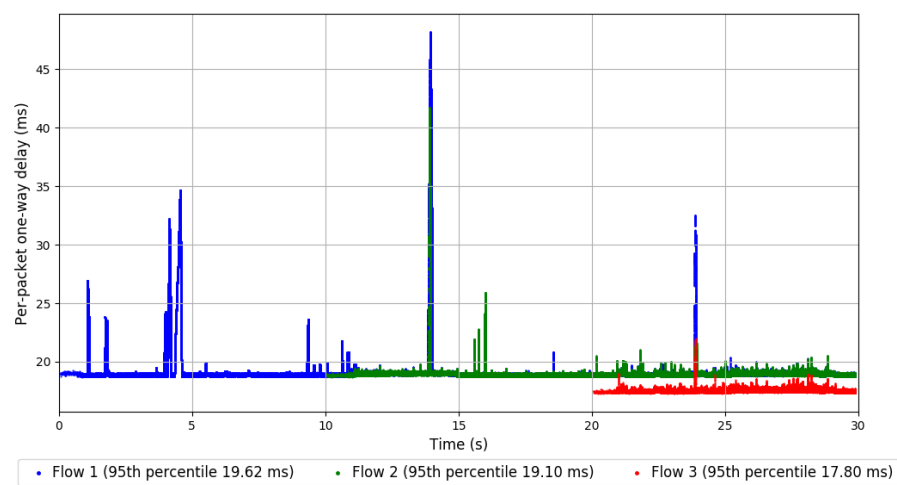
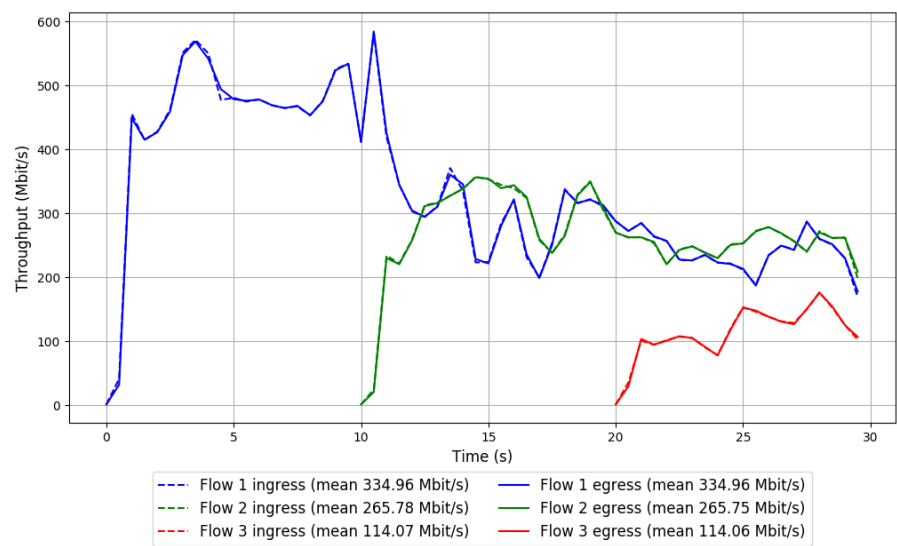


Run 8: Statistics of Vivace-latency

Start at: 2018-02-13 22:05:09
End at: 2018-02-13 22:05:39
Local clock offset: 0.427 ms
Remote clock offset: -6.376 ms

Below is generated by plot.py at 2018-02-14 03:50:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 549.23 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 334.96 Mbit/s
95th percentile per-packet one-way delay: 19.619 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 265.75 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 114.06 Mbit/s
95th percentile per-packet one-way delay: 17.798 ms
Loss rate: 0.01%

Run 8: Report of Vivace-latency — Data Link

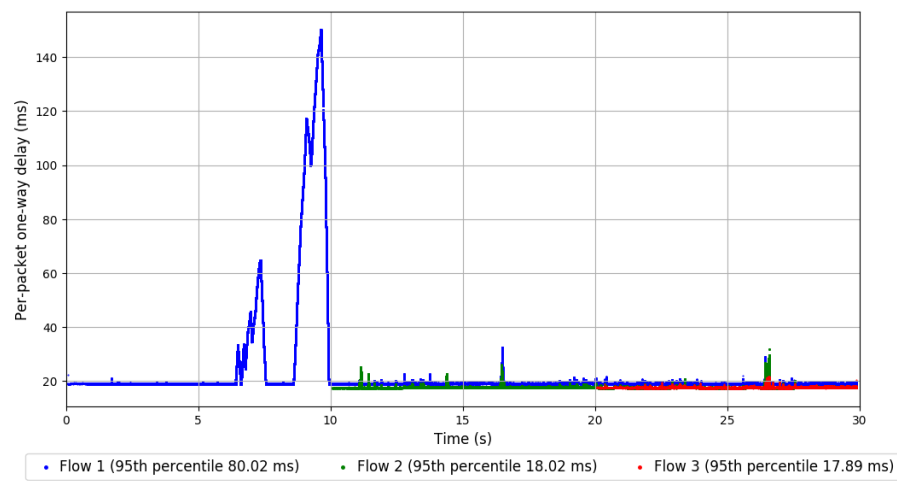
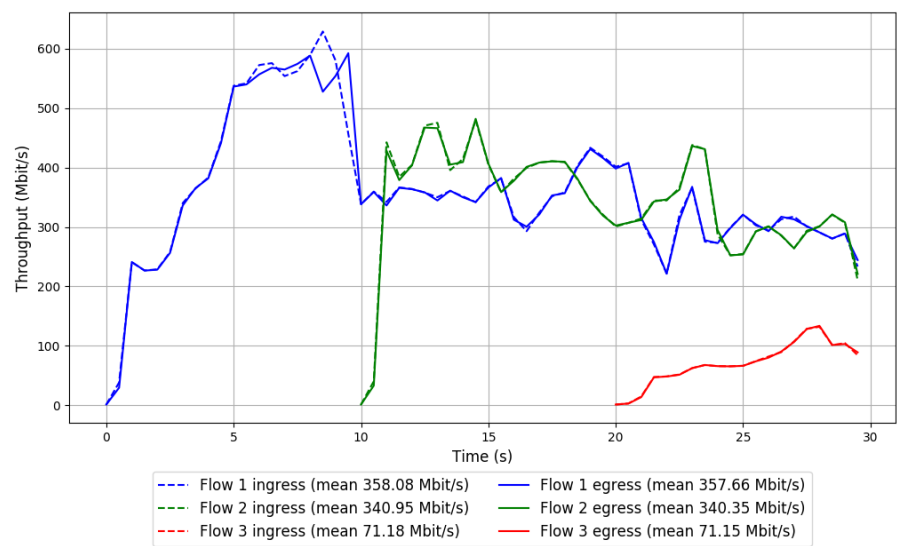


Run 9: Statistics of Vivace-latency

Start at: 2018-02-13 22:34:36
End at: 2018-02-13 22:35:06
Local clock offset: 0.887 ms
Remote clock offset: -5.103 ms

Below is generated by plot.py at 2018-02-14 03:54:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 607.27 Mbit/s
95th percentile per-packet one-way delay: 41.437 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 357.66 Mbit/s
95th percentile per-packet one-way delay: 80.015 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 340.35 Mbit/s
95th percentile per-packet one-way delay: 18.015 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 71.15 Mbit/s
95th percentile per-packet one-way delay: 17.891 ms
Loss rate: 0.01%

Run 9: Report of Vivace-latency — Data Link

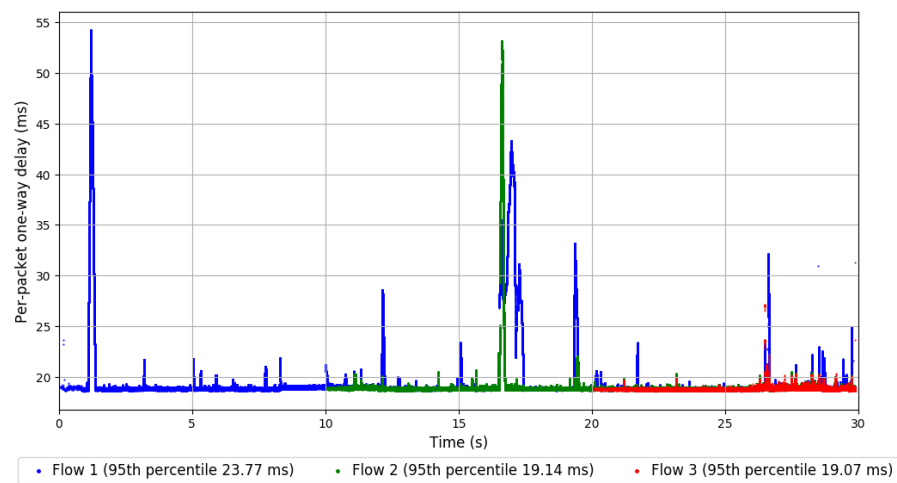
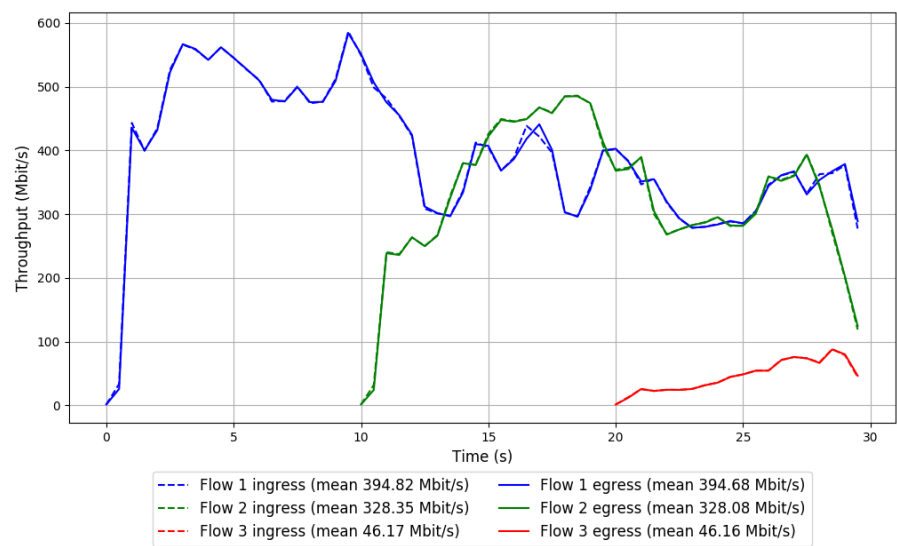


Run 10: Statistics of Vivace-latency

Start at: 2018-02-13 23:04:06
End at: 2018-02-13 23:04:36
Local clock offset: 1.199 ms
Remote clock offset: -5.962 ms

Below is generated by plot.py at 2018-02-14 03:55:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 627.90 Mbit/s
95th percentile per-packet one-way delay: 20.380 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 394.68 Mbit/s
95th percentile per-packet one-way delay: 23.765 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 328.08 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.16 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.08%

Run 10: Report of Vivace-latency — Data Link

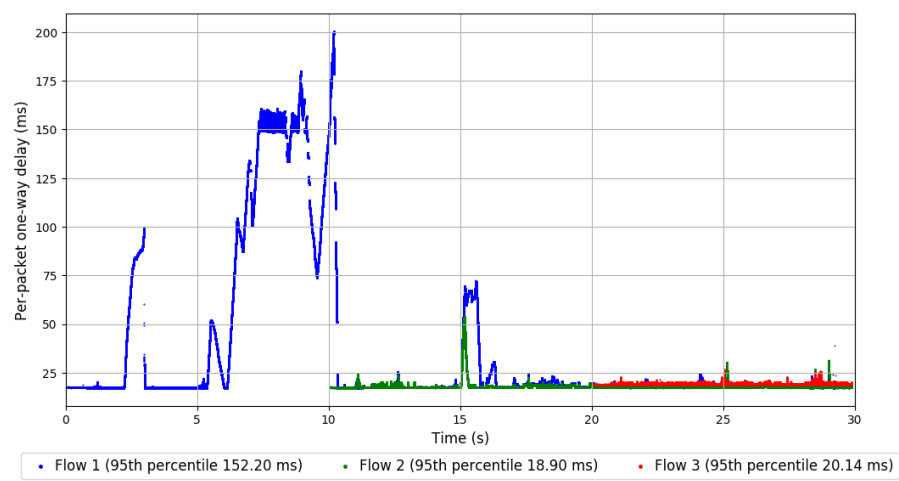
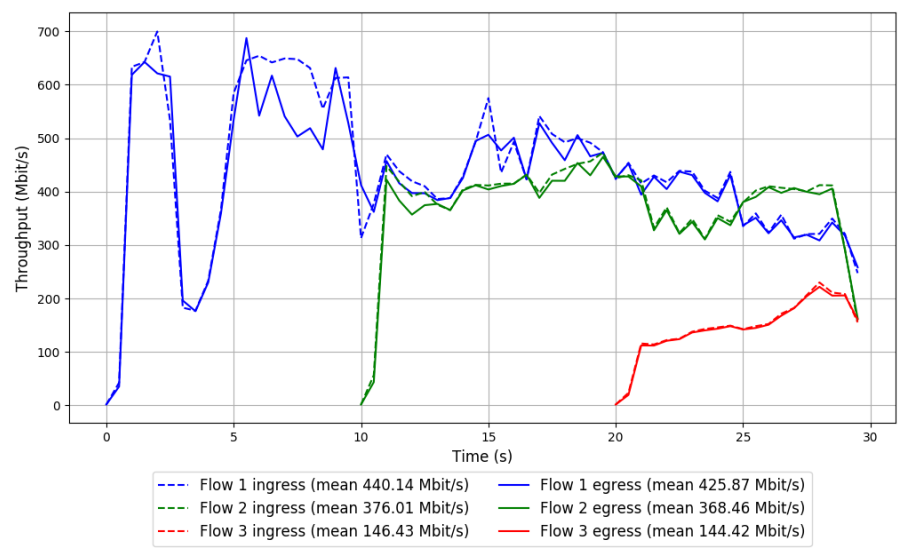


Run 1: Statistics of Vivace-loss

Start at: 2018-02-13 18:32:32
End at: 2018-02-13 18:33:02
Local clock offset: -0.945 ms
Remote clock offset: -6.278 ms

Below is generated by plot.py at 2018-02-14 03:57:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 718.40 Mbit/s
95th percentile per-packet one-way delay: 138.789 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 425.87 Mbit/s
95th percentile per-packet one-way delay: 152.204 ms
Loss rate: 3.24%
-- Flow 2:
Average throughput: 368.46 Mbit/s
95th percentile per-packet one-way delay: 18.900 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 144.42 Mbit/s
95th percentile per-packet one-way delay: 20.140 ms
Loss rate: 1.46%

Run 1: Report of Vivace-loss — Data Link

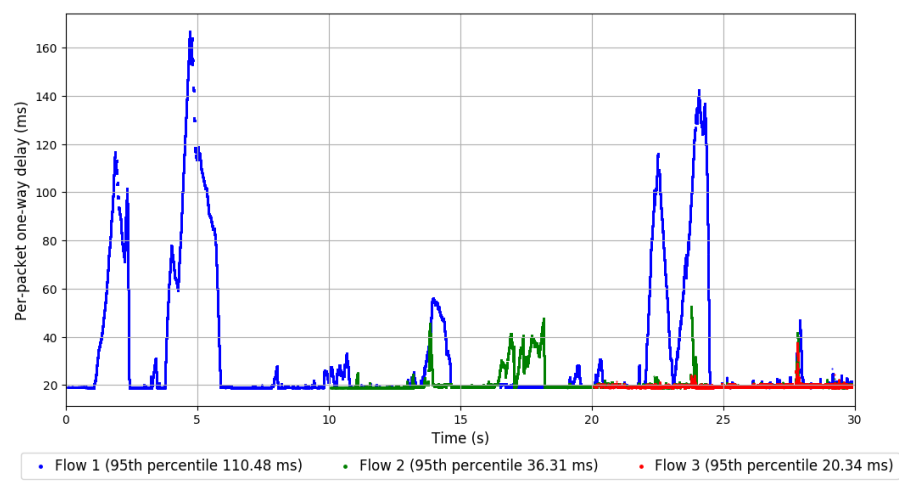
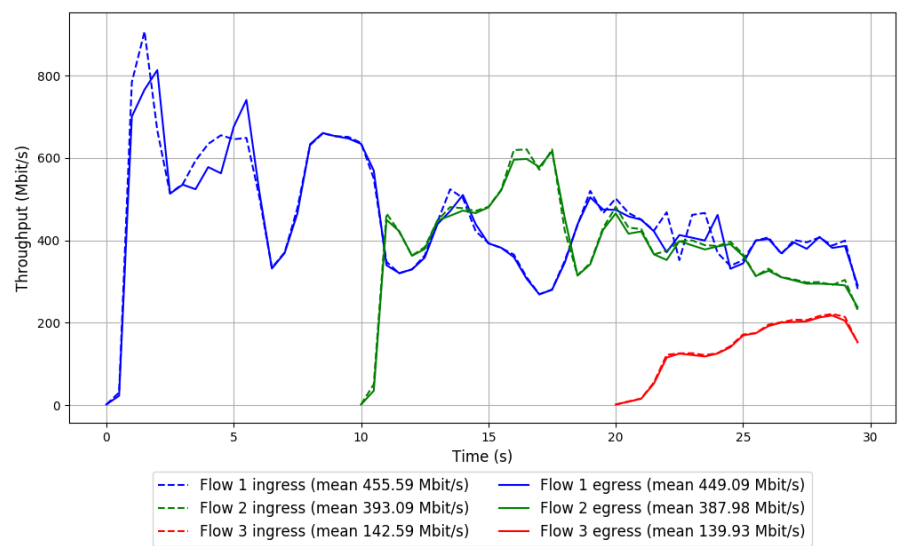


Run 2: Statistics of Vivace-loss

Start at: 2018-02-13 19:02:03
End at: 2018-02-13 19:02:33
Local clock offset: -1.13 ms
Remote clock offset: -6.594 ms

Below is generated by plot.py at 2018-02-14 03:59:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 753.15 Mbit/s
95th percentile per-packet one-way delay: 96.788 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 449.09 Mbit/s
95th percentile per-packet one-way delay: 110.483 ms
Loss rate: 1.43%
-- Flow 2:
Average throughput: 387.98 Mbit/s
95th percentile per-packet one-way delay: 36.311 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 139.93 Mbit/s
95th percentile per-packet one-way delay: 20.339 ms
Loss rate: 1.87%

Run 2: Report of Vivace-loss — Data Link

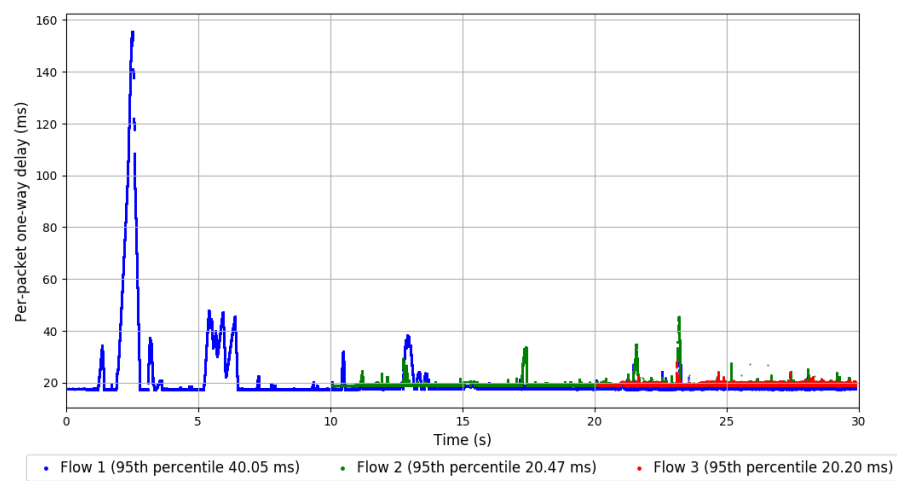
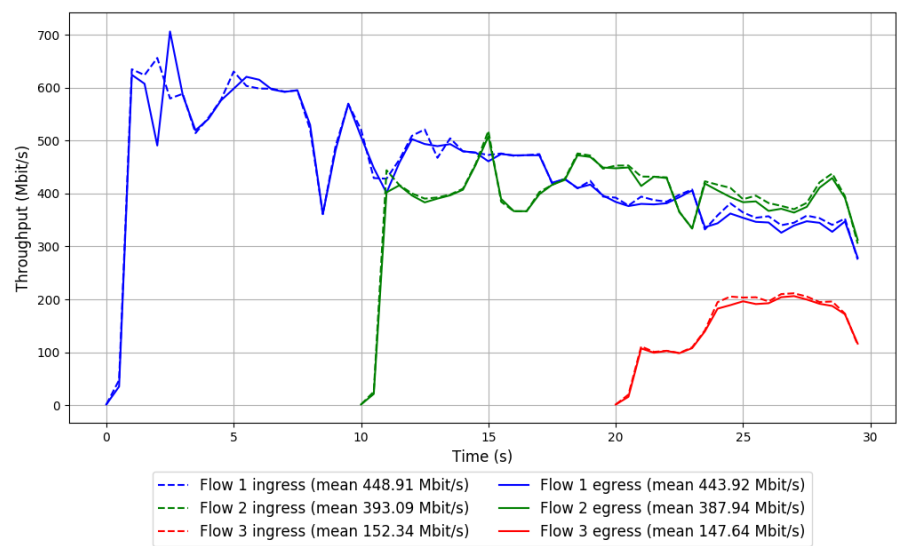


Run 3: Statistics of Vivace-loss

Start at: 2018-02-13 19:31:43
End at: 2018-02-13 19:32:13
Local clock offset: 0.4 ms
Remote clock offset: -6.646 ms

Below is generated by plot.py at 2018-02-14 04:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 750.43 Mbit/s
95th percentile per-packet one-way delay: 33.874 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 443.92 Mbit/s
95th percentile per-packet one-way delay: 40.051 ms
Loss rate: 1.11%
-- Flow 2:
Average throughput: 387.94 Mbit/s
95th percentile per-packet one-way delay: 20.474 ms
Loss rate: 1.32%
-- Flow 3:
Average throughput: 147.64 Mbit/s
95th percentile per-packet one-way delay: 20.205 ms
Loss rate: 3.11%

Run 3: Report of Vivace-loss — Data Link

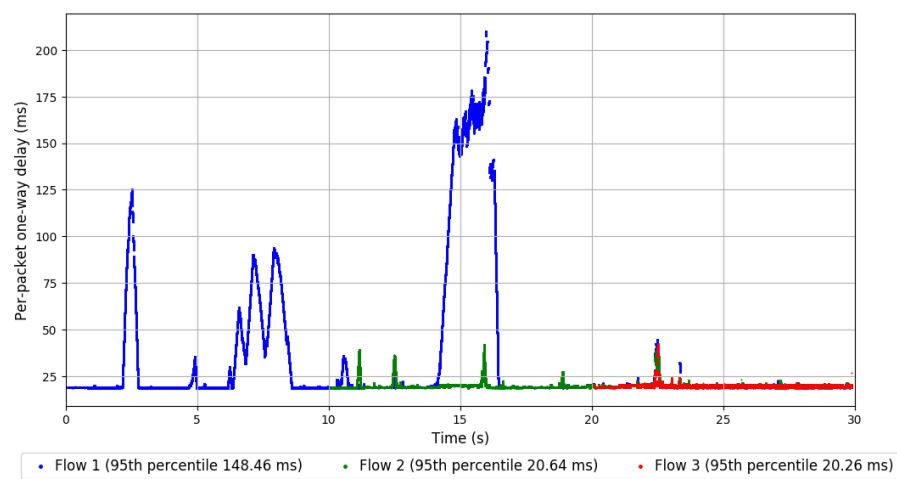
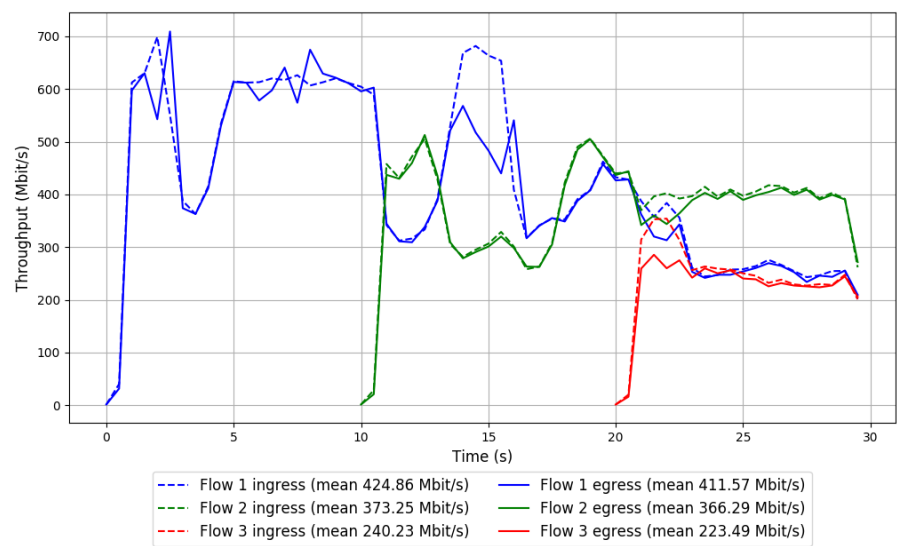


Run 4: Statistics of Vivace-loss

Start at: 2018-02-13 20:01:03
End at: 2018-02-13 20:01:33
Local clock offset: -0.625 ms
Remote clock offset: -6.723 ms

Below is generated by plot.py at 2018-02-14 04:01:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 728.49 Mbit/s
95th percentile per-packet one-way delay: 92.696 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 411.57 Mbit/s
95th percentile per-packet one-way delay: 148.464 ms
Loss rate: 3.12%
-- Flow 2:
Average throughput: 366.29 Mbit/s
95th percentile per-packet one-way delay: 20.635 ms
Loss rate: 1.86%
-- Flow 3:
Average throughput: 223.49 Mbit/s
95th percentile per-packet one-way delay: 20.261 ms
Loss rate: 6.90%

Run 4: Report of Vivace-loss — Data Link

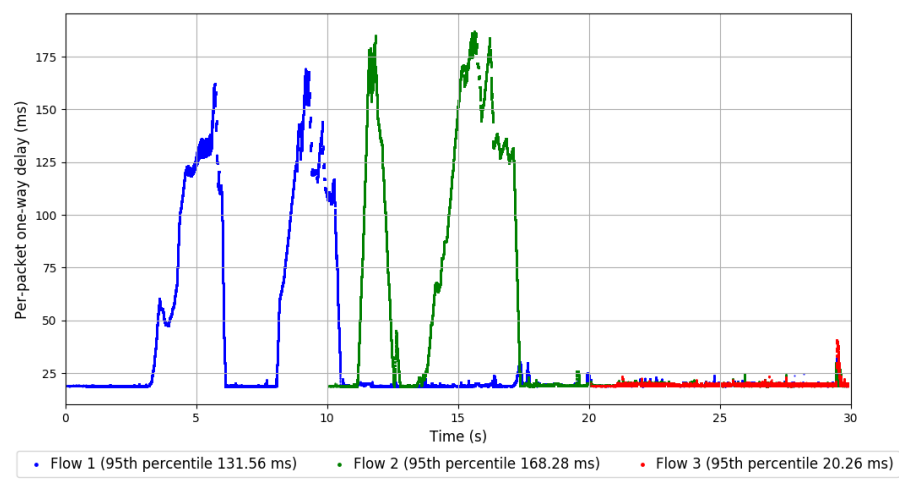
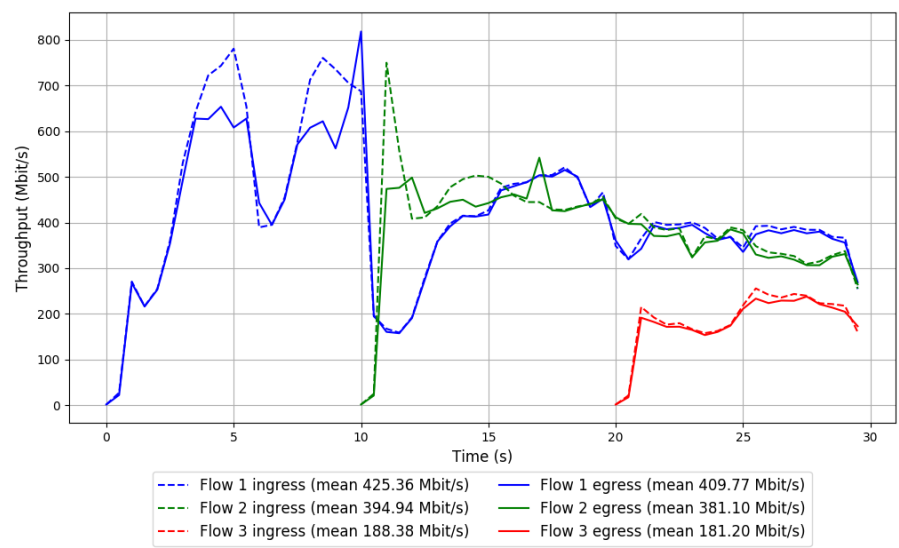


Run 5: Statistics of Vivace-loss

Start at: 2018-02-13 20:30:35
End at: 2018-02-13 20:31:05
Local clock offset: -0.133 ms
Remote clock offset: -6.817 ms

Below is generated by plot.py at 2018-02-14 04:01:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 722.82 Mbit/s
95th percentile per-packet one-way delay: 142.781 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 409.77 Mbit/s
95th percentile per-packet one-way delay: 131.563 ms
Loss rate: 3.66%
-- Flow 2:
Average throughput: 381.10 Mbit/s
95th percentile per-packet one-way delay: 168.284 ms
Loss rate: 3.50%
-- Flow 3:
Average throughput: 181.20 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 3.80%

Run 5: Report of Vivace-loss — Data Link

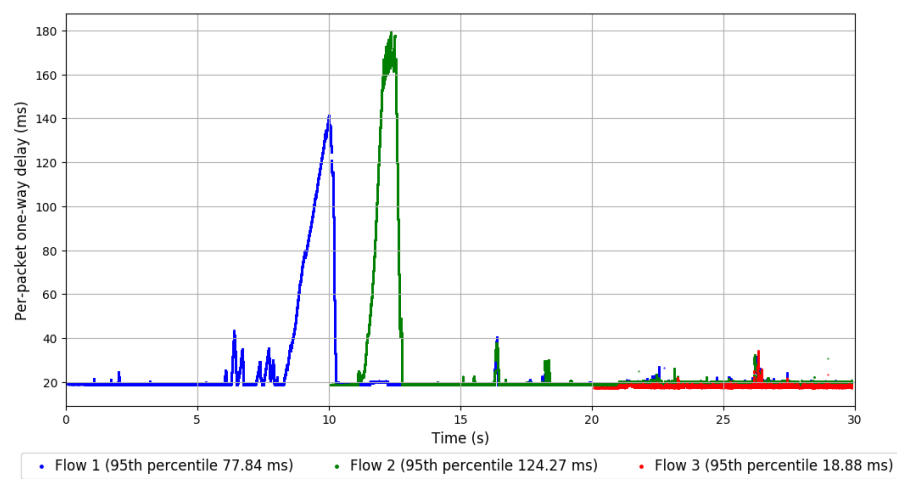
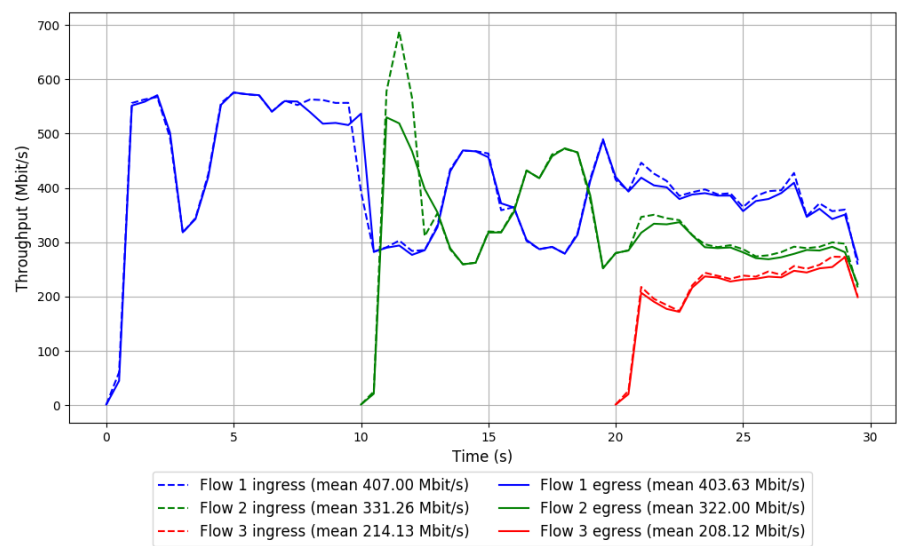


Run 6: Statistics of Vivace-loss

Start at: 2018-02-13 20:59:48
End at: 2018-02-13 21:00:18
Local clock offset: -0.133 ms
Remote clock offset: -5.424 ms

Below is generated by plot.py at 2018-02-14 04:01:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 686.19 Mbit/s
95th percentile per-packet one-way delay: 78.453 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 403.63 Mbit/s
95th percentile per-packet one-way delay: 77.837 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 322.00 Mbit/s
95th percentile per-packet one-way delay: 124.274 ms
Loss rate: 2.80%
-- Flow 3:
Average throughput: 208.12 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 2.81%

Run 6: Report of Vivace-loss — Data Link

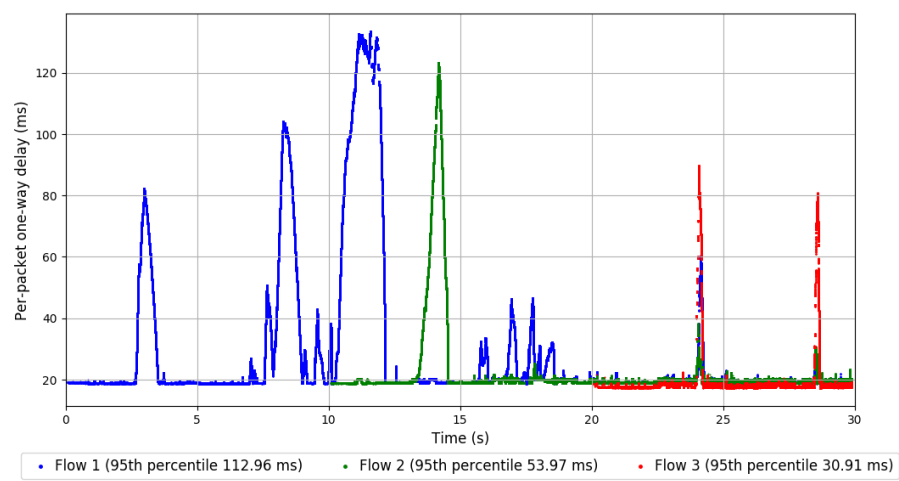
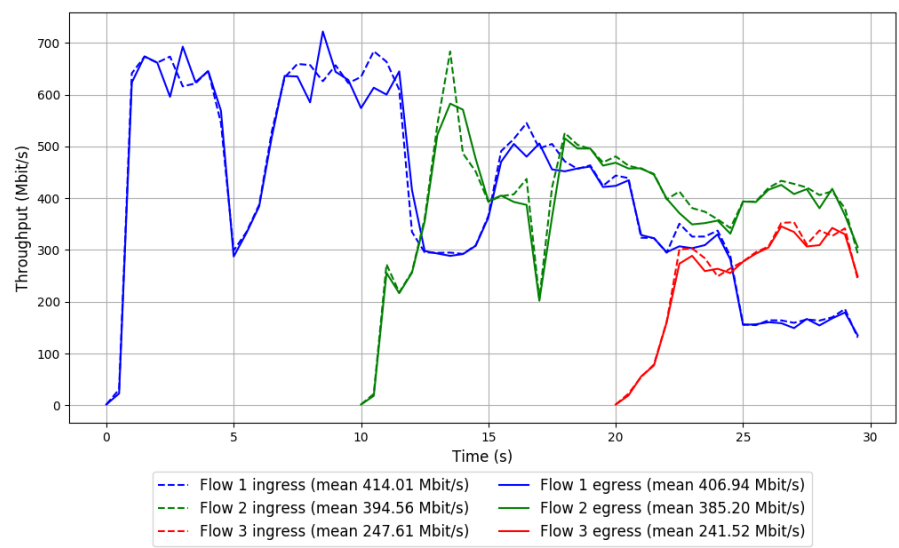


Run 7: Statistics of Vivace-loss

Start at: 2018-02-13 21:29:06
End at: 2018-02-13 21:29:36
Local clock offset: 0.177 ms
Remote clock offset: -5.372 ms

Below is generated by plot.py at 2018-02-14 04:05:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 742.34 Mbit/s
95th percentile per-packet one-way delay: 96.905 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 406.94 Mbit/s
95th percentile per-packet one-way delay: 112.962 ms
Loss rate: 1.71%
-- Flow 2:
Average throughput: 385.20 Mbit/s
95th percentile per-packet one-way delay: 53.973 ms
Loss rate: 2.37%
-- Flow 3:
Average throughput: 241.52 Mbit/s
95th percentile per-packet one-way delay: 30.914 ms
Loss rate: 2.47%

Run 7: Report of Vivace-loss — Data Link

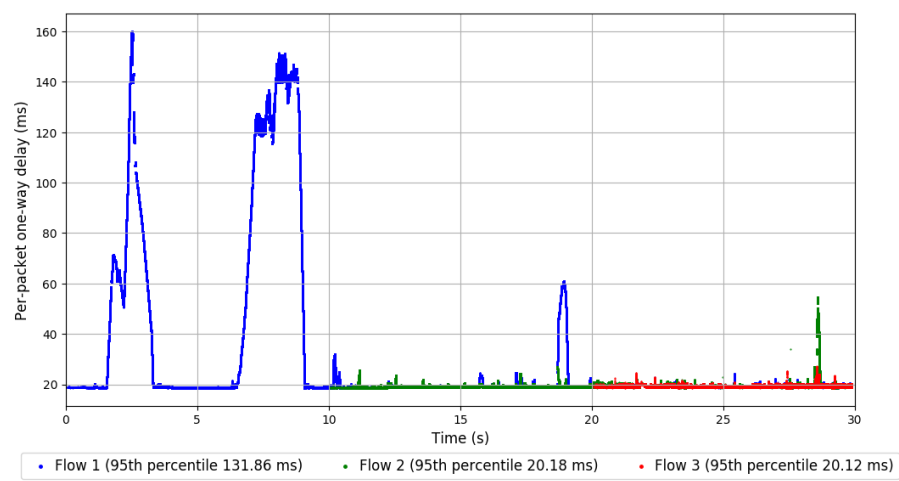
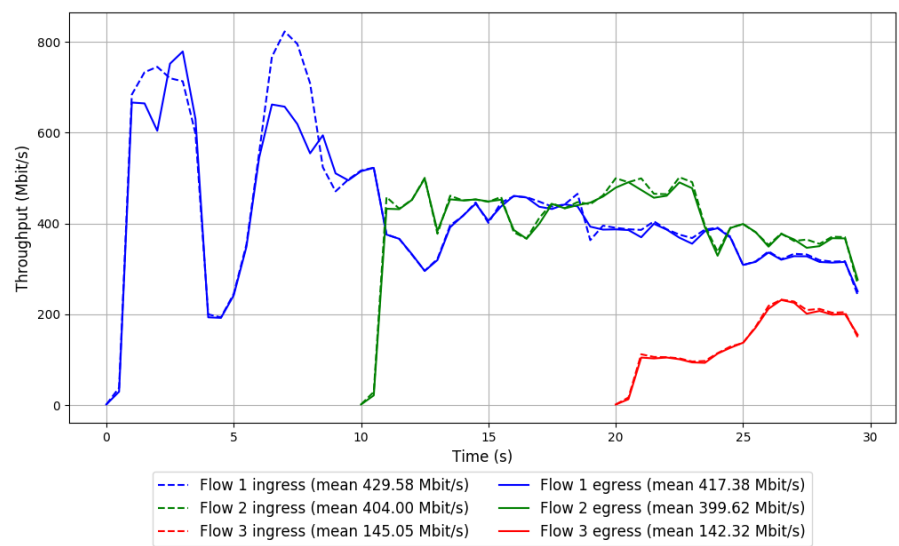


Run 8: Statistics of Vivace-loss

Start at: 2018-02-13 21:58:25
End at: 2018-02-13 21:58:55
Local clock offset: 0.449 ms
Remote clock offset: -6.336 ms

Below is generated by plot.py at 2018-02-14 04:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 729.86 Mbit/s
95th percentile per-packet one-way delay: 119.328 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 417.38 Mbit/s
95th percentile per-packet one-way delay: 131.862 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 399.62 Mbit/s
95th percentile per-packet one-way delay: 20.184 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 142.32 Mbit/s
95th percentile per-packet one-way delay: 20.124 ms
Loss rate: 1.90%

Run 8: Report of Vivace-loss — Data Link

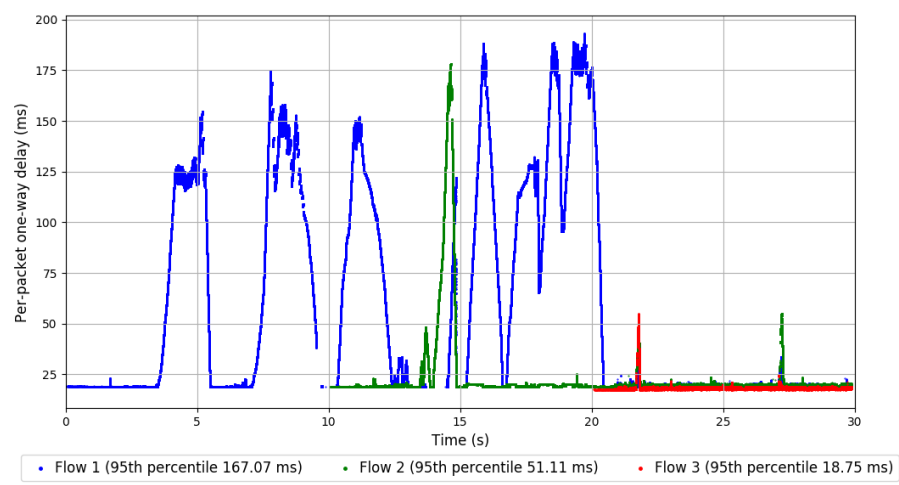
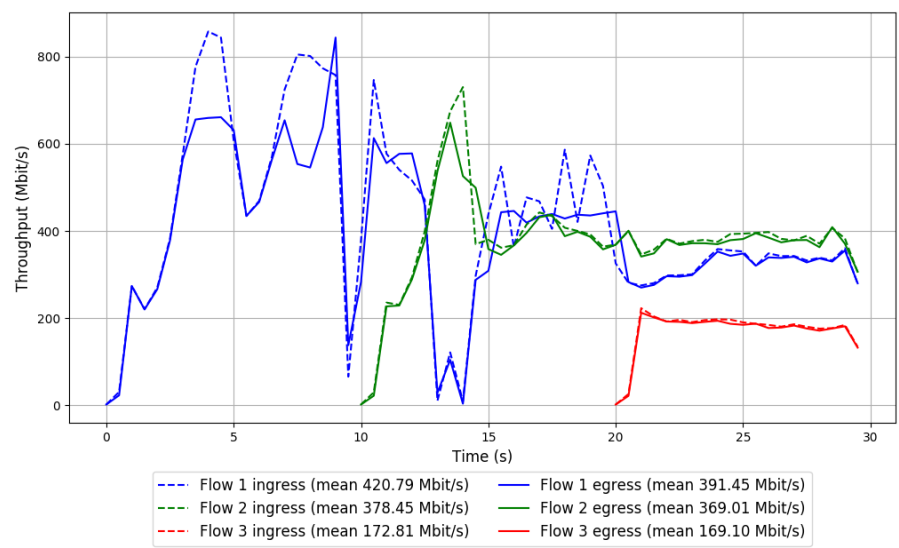


Run 9: Statistics of Vivace-loss

Start at: 2018-02-13 22:27:51
End at: 2018-02-13 22:28:21
Local clock offset: 0.769 ms
Remote clock offset: -5.368 ms

Below is generated by plot.py at 2018-02-14 04:08:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 692.45 Mbit/s
95th percentile per-packet one-way delay: 149.231 ms
Loss rate: 5.05%
-- Flow 1:
Average throughput: 391.45 Mbit/s
95th percentile per-packet one-way delay: 167.066 ms
Loss rate: 6.98%
-- Flow 2:
Average throughput: 369.01 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 2.50%
-- Flow 3:
Average throughput: 169.10 Mbit/s
95th percentile per-packet one-way delay: 18.752 ms
Loss rate: 2.14%

Run 9: Report of Vivace-loss — Data Link

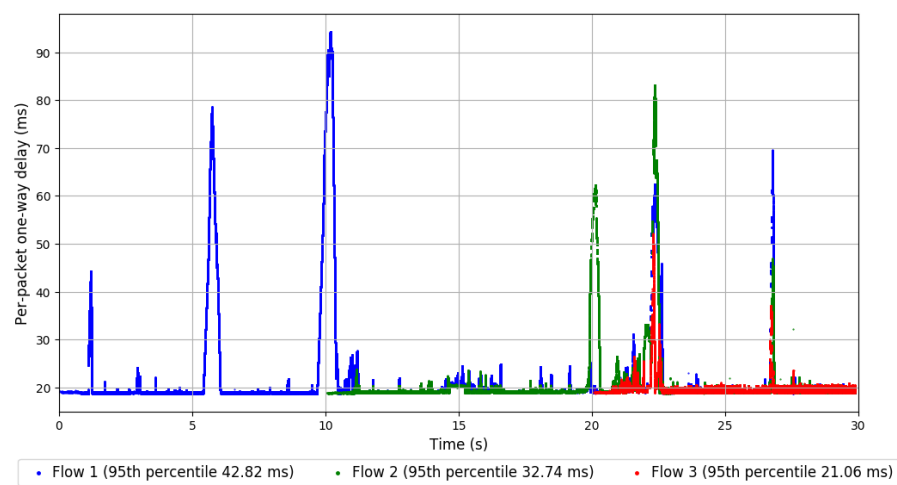
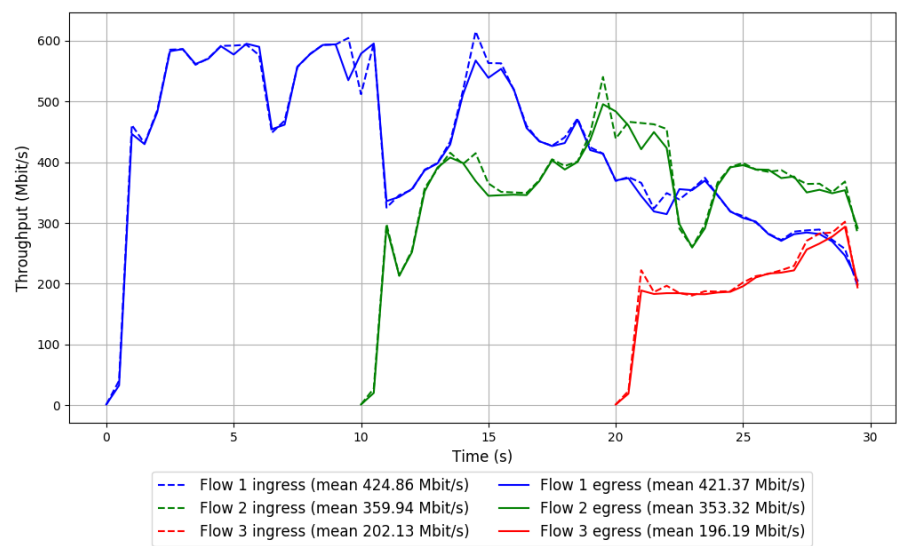


Run 10: Statistics of Vivace-loss

Start at: 2018-02-13 22:57:21
End at: 2018-02-13 22:57:51
Local clock offset: 1.295 ms
Remote clock offset: -5.657 ms

Below is generated by plot.py at 2018-02-14 04:10:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 720.76 Mbit/s
95th percentile per-packet one-way delay: 36.533 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 421.37 Mbit/s
95th percentile per-packet one-way delay: 42.818 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 353.32 Mbit/s
95th percentile per-packet one-way delay: 32.736 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 196.19 Mbit/s
95th percentile per-packet one-way delay: 21.060 ms
Loss rate: 2.97%

Run 10: Report of Vivace-loss — Data Link

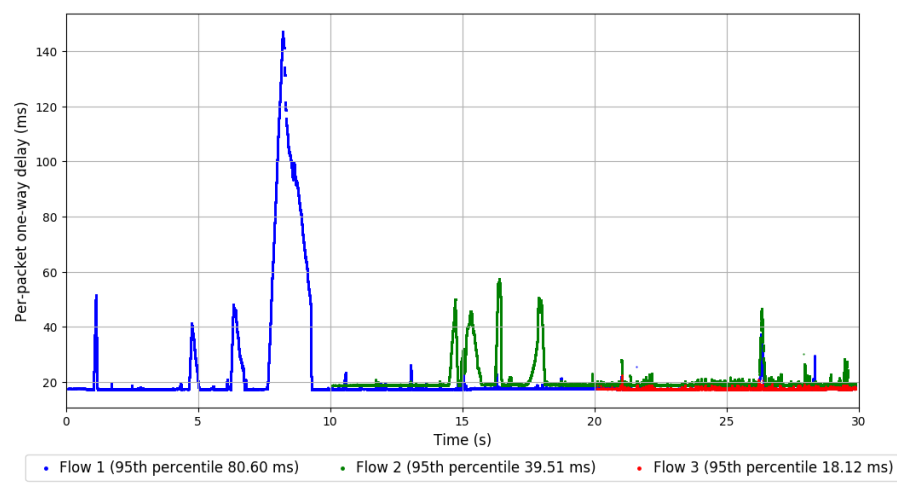
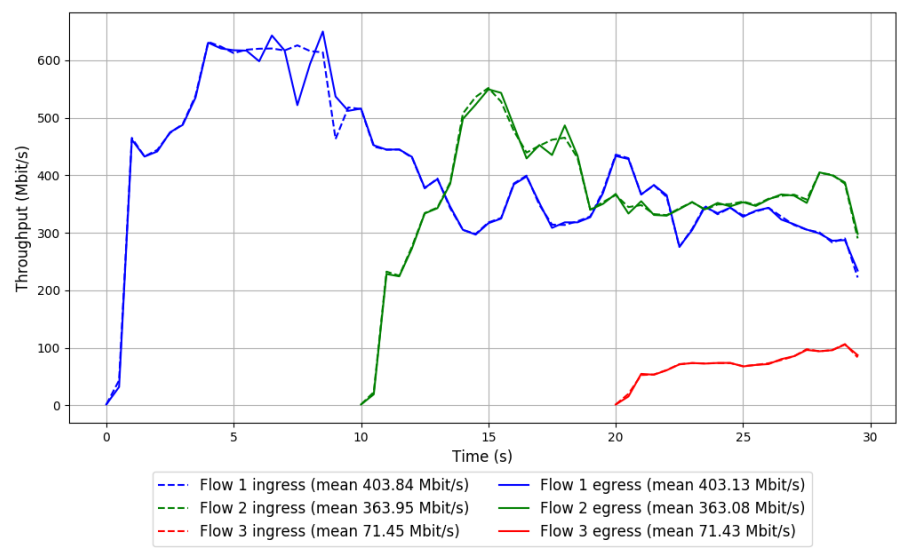


```
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-13 18:19:51
End at: 2018-02-13 18:20:21
Local clock offset: -0.975 ms
Remote clock offset: -5.513 ms

# Below is generated by plot.py at 2018-02-14 04:10:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 667.89 Mbit/s
95th percentile per-packet one-way delay: 49.088 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 403.13 Mbit/s
95th percentile per-packet one-way delay: 80.596 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 363.08 Mbit/s
95th percentile per-packet one-way delay: 39.513 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 71.43 Mbit/s
95th percentile per-packet one-way delay: 18.121 ms
Loss rate: 0.16%
```


Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-02-13 18:49:16

End at: 2018-02-13 18:49:46

Local clock offset: -0.982 ms

Remote clock offset: -6.59 ms

Below is generated by plot.py at 2018-02-14 04:11:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 695.47 Mbit/s

95th percentile per-packet one-way delay: 24.696 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 428.95 Mbit/s

95th percentile per-packet one-way delay: 30.239 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 310.92 Mbit/s

95th percentile per-packet one-way delay: 20.120 ms

Loss rate: 0.80%

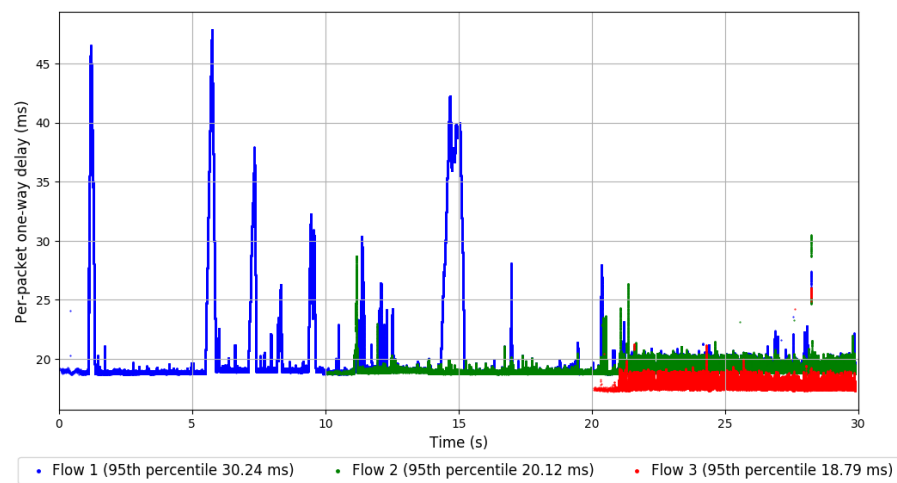
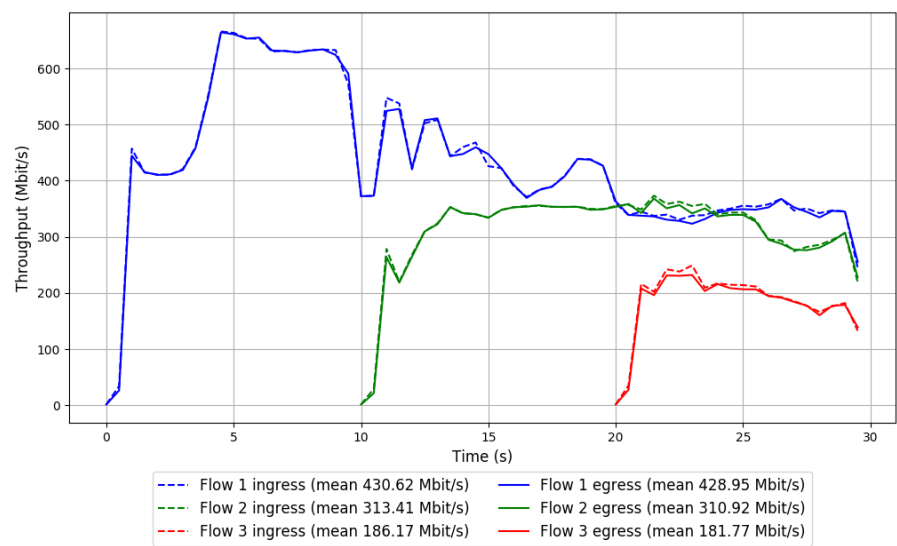
-- Flow 3:

Average throughput: 181.77 Mbit/s

95th percentile per-packet one-way delay: 18.790 ms

Loss rate: 2.37%

Run 2: Report of Vivace-LTE — Data Link

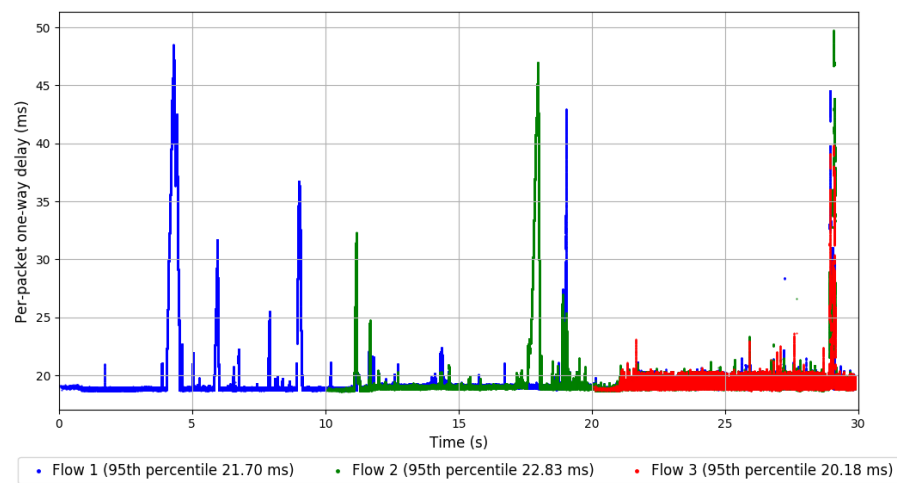
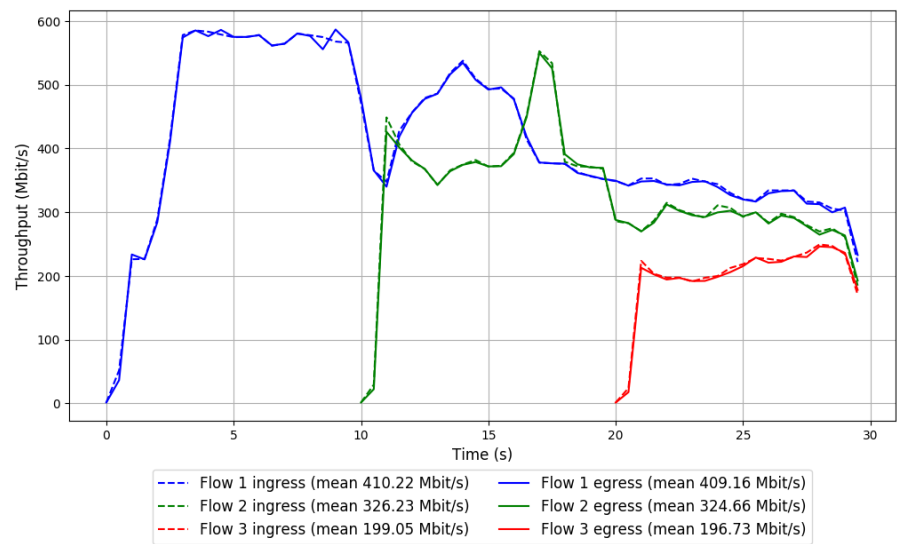


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-13 19:18:47
End at: 2018-02-13 19:19:17
Local clock offset: 0.312 ms
Remote clock offset: -6.656 ms

Below is generated by plot.py at 2018-02-14 04:11:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 689.73 Mbit/s
95th percentile per-packet one-way delay: 21.710 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 409.16 Mbit/s
95th percentile per-packet one-way delay: 21.702 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 324.66 Mbit/s
95th percentile per-packet one-way delay: 22.833 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 196.73 Mbit/s
95th percentile per-packet one-way delay: 20.184 ms
Loss rate: 1.17%

Run 3: Report of Vivace-LTE — Data Link

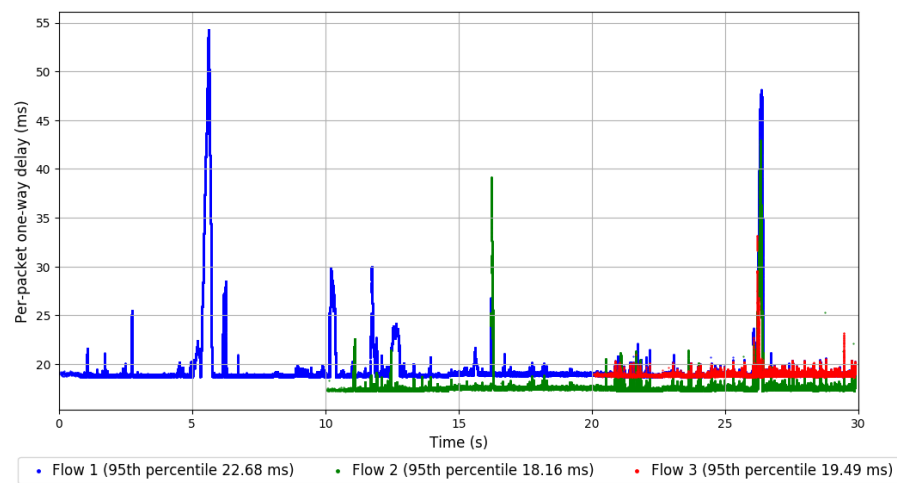
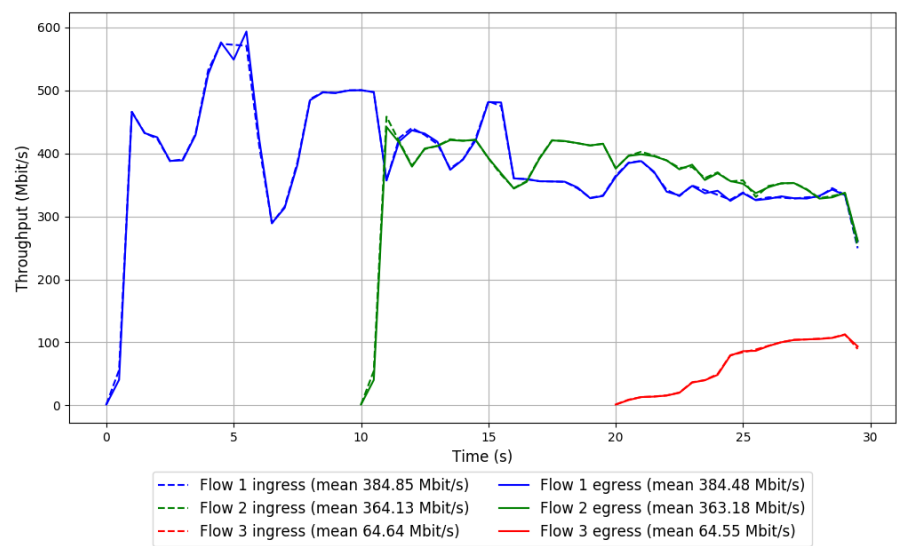


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-13 19:48:09
End at: 2018-02-13 19:48:39
Local clock offset: -0.221 ms
Remote clock offset: -6.573 ms

Below is generated by plot.py at 2018-02-14 04:11:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 647.24 Mbit/s
95th percentile per-packet one-way delay: 20.800 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 384.48 Mbit/s
95th percentile per-packet one-way delay: 22.685 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 363.18 Mbit/s
95th percentile per-packet one-way delay: 18.159 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 64.55 Mbit/s
95th percentile per-packet one-way delay: 19.488 ms
Loss rate: 0.18%

Run 4: Report of Vivace-LTE — Data Link

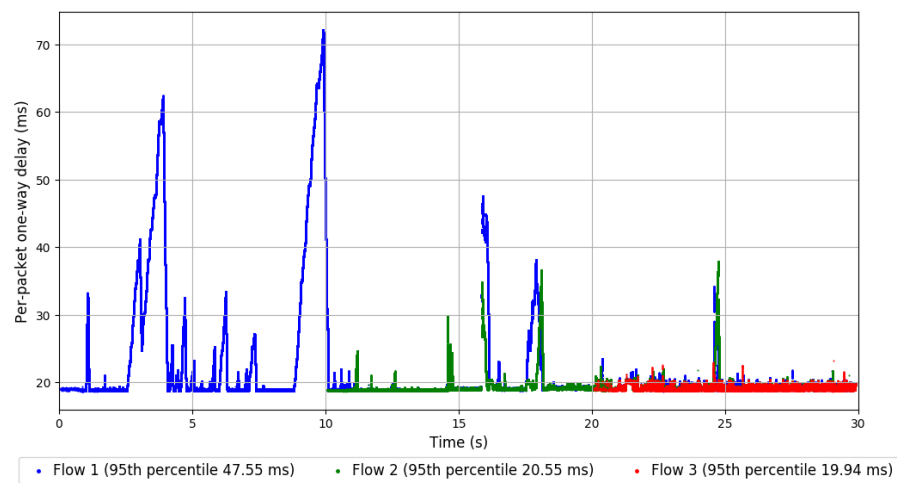
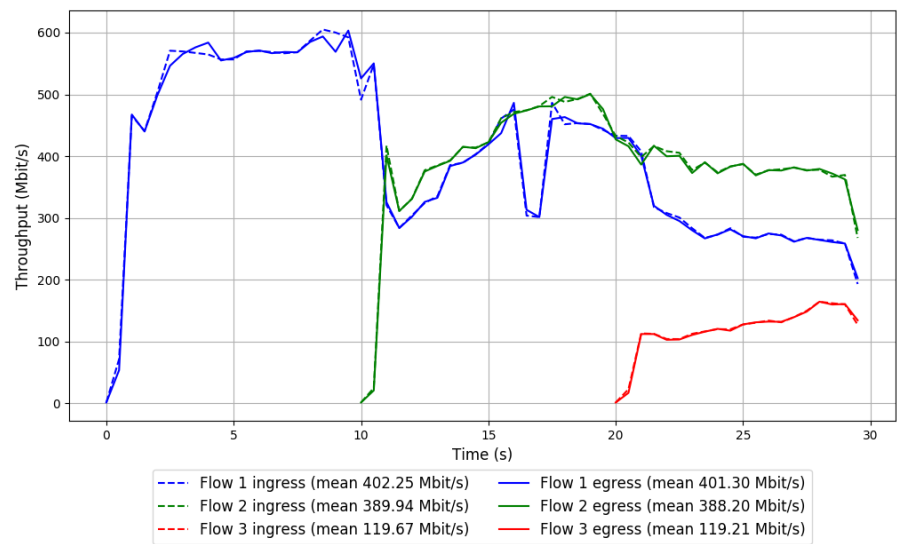


Run 5: Statistics of Vivace-LTE

Start at: 2018-02-13 20:17:50
End at: 2018-02-13 20:18:20
Local clock offset: -0.41 ms
Remote clock offset: -6.814 ms

Below is generated by plot.py at 2018-02-14 04:15:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 698.66 Mbit/s
95th percentile per-packet one-way delay: 37.889 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 401.30 Mbit/s
95th percentile per-packet one-way delay: 47.549 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 388.20 Mbit/s
95th percentile per-packet one-way delay: 20.550 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 119.21 Mbit/s
95th percentile per-packet one-way delay: 19.937 ms
Loss rate: 0.39%

Run 5: Report of Vivace-LTE — Data Link

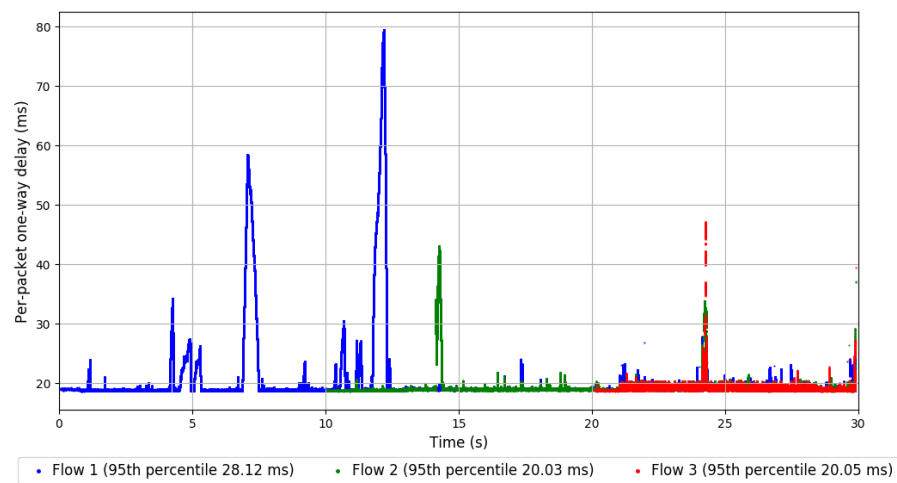
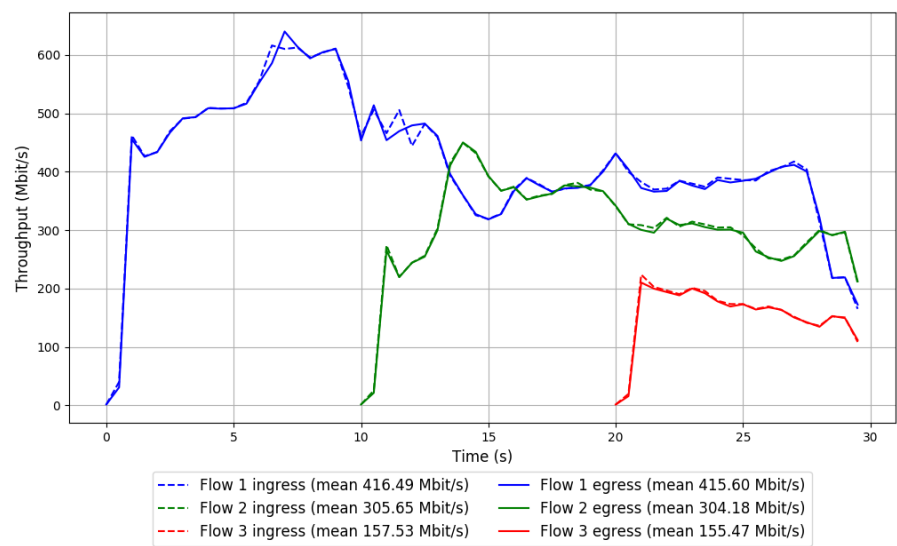


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-13 20:47:00
End at: 2018-02-13 20:47:30
Local clock offset: -0.08 ms
Remote clock offset: -5.763 ms

Below is generated by plot.py at 2018-02-14 04:15:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 668.79 Mbit/s
95th percentile per-packet one-way delay: 24.319 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 415.60 Mbit/s
95th percentile per-packet one-way delay: 28.125 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 304.18 Mbit/s
95th percentile per-packet one-way delay: 20.026 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 155.47 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 1.19%

Run 6: Report of Vivace-LTE — Data Link

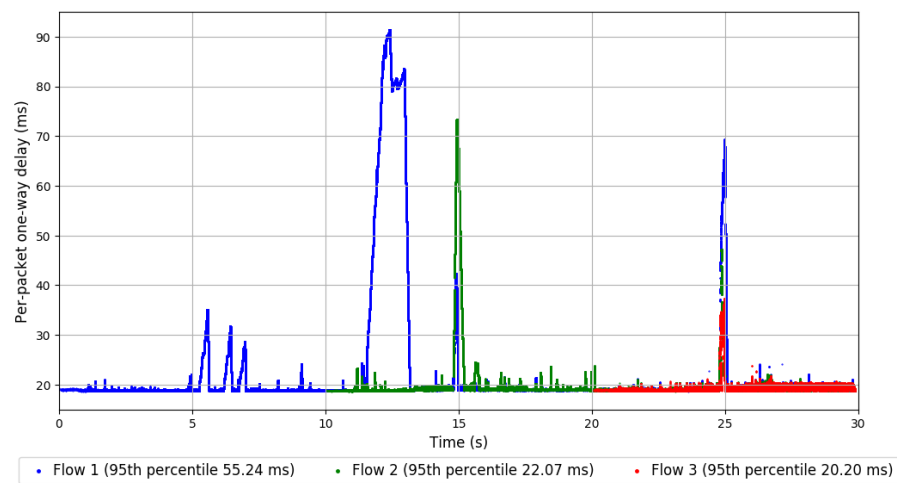
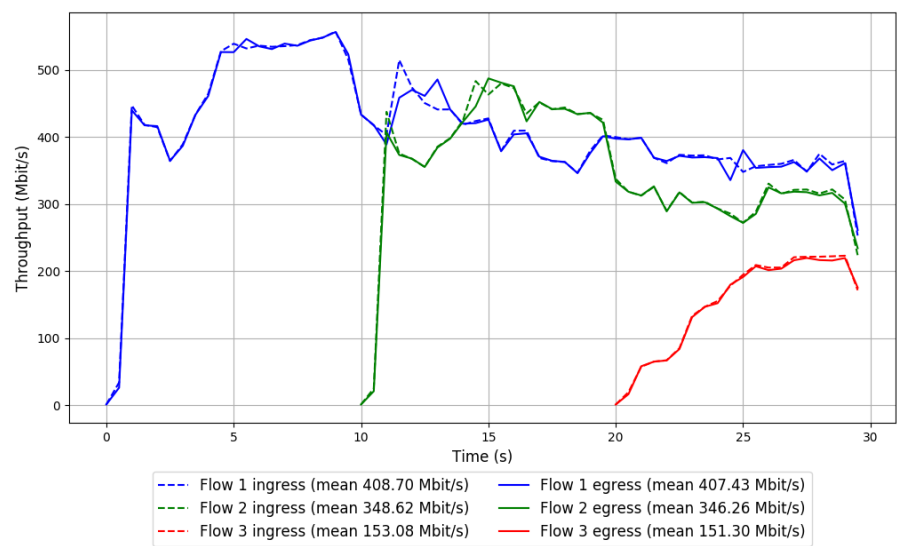


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-13 21:16:19
End at: 2018-02-13 21:16:49
Local clock offset: -0.131 ms
Remote clock offset: -5.459 ms

Below is generated by plot.py at 2018-02-14 04:16:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 687.41 Mbit/s
95th percentile per-packet one-way delay: 32.309 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 407.43 Mbit/s
95th percentile per-packet one-way delay: 55.241 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 346.26 Mbit/s
95th percentile per-packet one-way delay: 22.065 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 151.30 Mbit/s
95th percentile per-packet one-way delay: 20.199 ms
Loss rate: 1.17%

Run 7: Report of Vivace-LTE — Data Link

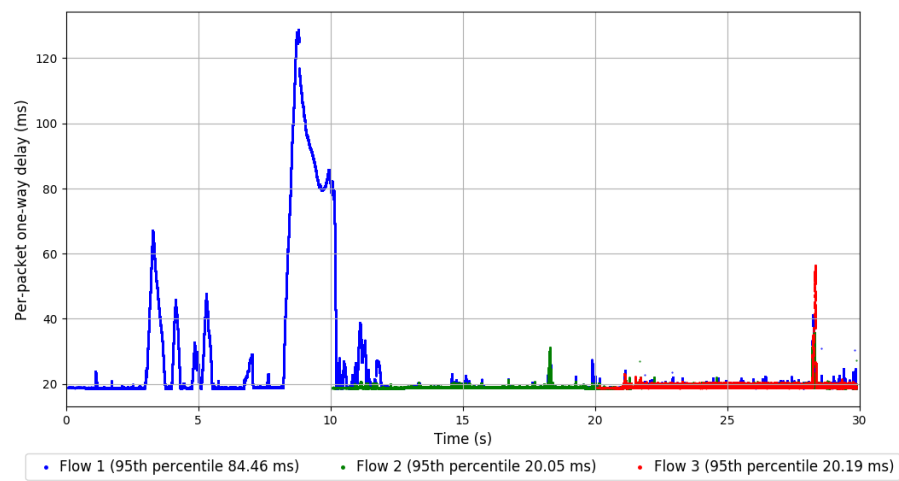
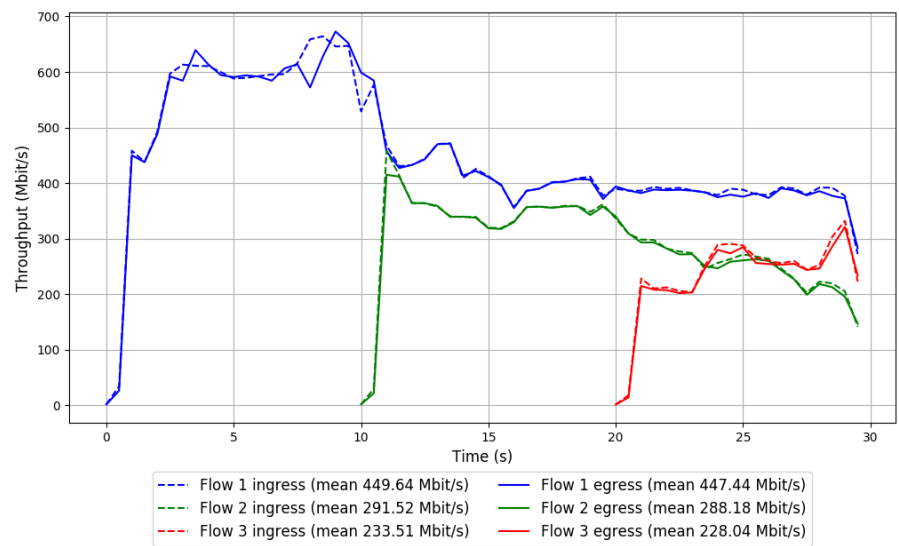


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-13 21:45:35
End at: 2018-02-13 21:46:05
Local clock offset: 0.361 ms
Remote clock offset: -5.776 ms

Below is generated by plot.py at 2018-02-14 04:17:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 714.08 Mbit/s
95th percentile per-packet one-way delay: 77.742 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 447.44 Mbit/s
95th percentile per-packet one-way delay: 84.457 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 288.18 Mbit/s
95th percentile per-packet one-way delay: 20.049 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 228.04 Mbit/s
95th percentile per-packet one-way delay: 20.194 ms
Loss rate: 2.43%

Run 8: Report of Vivace-LTE — Data Link

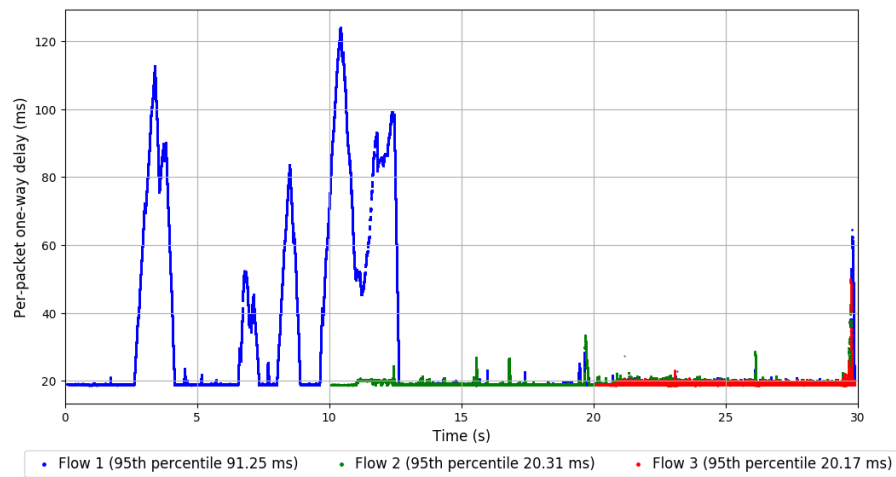
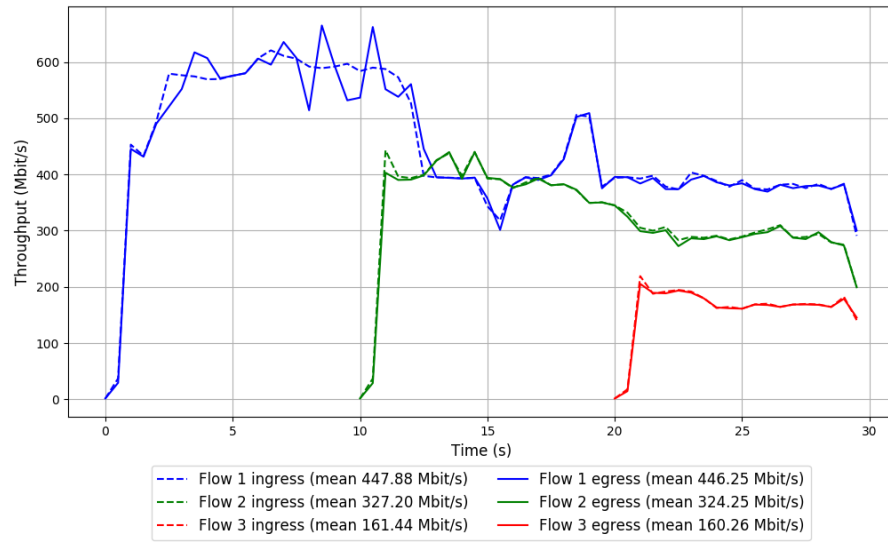


Run 9: Statistics of Vivace-LTE

Start at: 2018-02-13 22:15:03
End at: 2018-02-13 22:15:33
Local clock offset: 0.517 ms
Remote clock offset: -6.472 ms

Below is generated by plot.py at 2018-02-14 04:17:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 714.45 Mbit/s
95th percentile per-packet one-way delay: 84.997 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 446.25 Mbit/s
95th percentile per-packet one-way delay: 91.250 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 324.25 Mbit/s
95th percentile per-packet one-way delay: 20.311 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 160.26 Mbit/s
95th percentile per-packet one-way delay: 20.166 ms
Loss rate: 0.82%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-13 22:44:29

End at: 2018-02-13 22:44:59

Local clock offset: 1.198 ms

Remote clock offset: -5.01 ms

Below is generated by plot.py at 2018-02-14 04:17:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 730.31 Mbit/s

95th percentile per-packet one-way delay: 22.965 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 422.82 Mbit/s

95th percentile per-packet one-way delay: 27.146 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 366.98 Mbit/s

95th percentile per-packet one-way delay: 20.187 ms

Loss rate: 0.80%

-- Flow 3:

Average throughput: 193.19 Mbit/s

95th percentile per-packet one-way delay: 20.084 ms

Loss rate: 0.81%

Run 10: Report of Vivace-LTE — Data Link

