

Pantheon Report

Generated at 2017-12-01 04:00:05 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

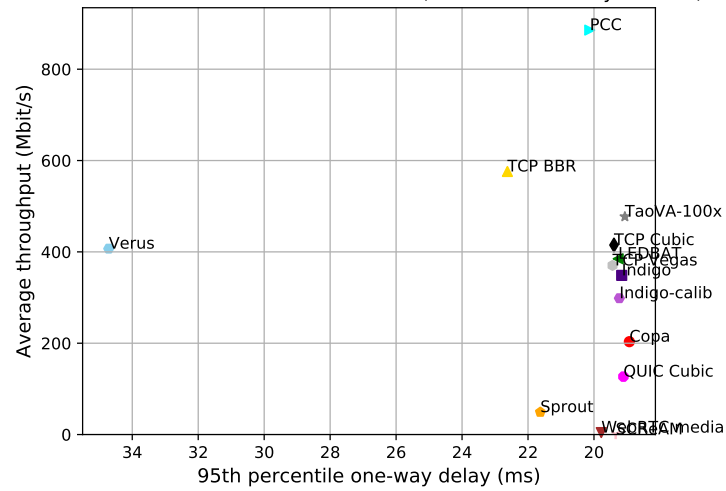
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

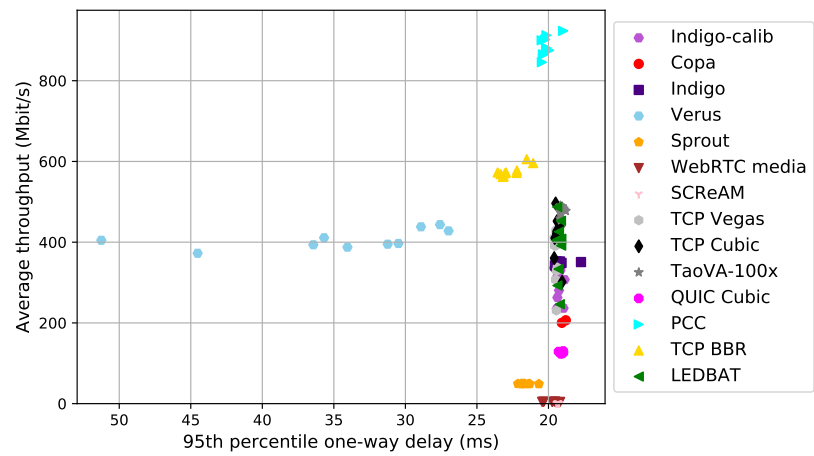
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS 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



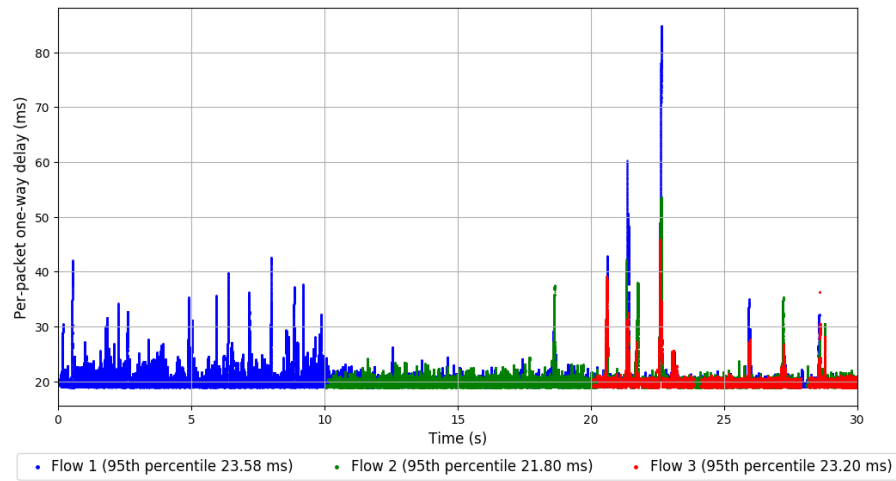
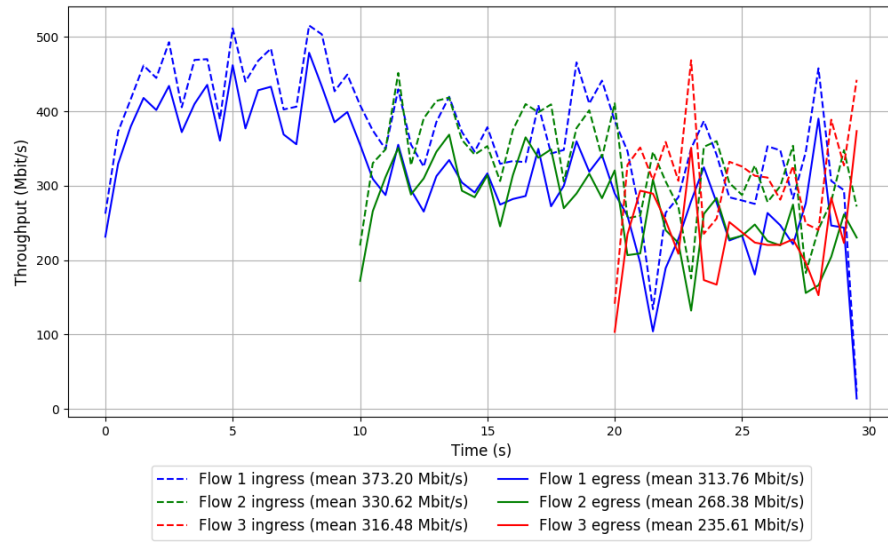
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	315.11	273.72	239.64	23.38	21.39	21.06	15.09	19.42	22.13
TCP Cubic	10	222.63	205.68	166.73	19.25	19.11	19.09	0.09	0.10	0.17
LEDBAT	10	232.09	175.38	126.69	19.06	19.26	19.34	0.03	0.05	0.05
PCC	9	776.95	117.13	93.62	20.09	20.25	20.20	0.62	0.56	0.65
QUIC Cubic	10	68.50	61.49	53.55	18.89	19.18	19.59	0.00	0.00	0.01
SCReAM	10	0.22	0.22	0.22	19.13	19.18	19.13	0.00	0.00	0.00
WebRTC media	10	1.98	1.71	0.66	19.79	19.76	19.82	0.00	0.00	0.00
Sprout	10	24.72	24.59	24.40	21.31	21.71	21.30	0.05	0.07	0.03
TaoVA-100x	10	249.03	246.57	246.54	18.73	18.90	18.79	0.03	0.03	0.04
TCP Vegas	10	203.02	169.91	163.11	19.25	19.27	19.21	0.04	0.10	0.08
Verus	10	206.99	214.15	179.02	40.70	24.30	22.28	18.29	14.72	12.45
Copa	2	102.00	107.34	114.63	18.87	18.15	18.28	0.00	0.00	0.00
Indigo	10	185.33	170.80	154.74	18.80	19.23	19.27	0.03	0.05	0.03
Indigo-calib	10	156.48	146.53	139.66	18.70	19.11	18.74	0.03	0.03	0.02

Run 1: Statistics of TCP BBR

Start at: 2017-11-30 21:31:26
End at: 2017-11-30 21:31:56
Local clock offset: 0.156 ms
Remote clock offset: -0.762 ms

Below is generated by plot.py at 2017-12-01 02:39:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 570.55 Mbit/s
95th percentile per-packet one-way delay: 23.045 ms
Loss rate: 18.29%
-- Flow 1:
Average throughput: 313.76 Mbit/s
95th percentile per-packet one-way delay: 23.584 ms
Loss rate: 15.93%
-- Flow 2:
Average throughput: 268.38 Mbit/s
95th percentile per-packet one-way delay: 21.797 ms
Loss rate: 18.82%
-- Flow 3:
Average throughput: 235.61 Mbit/s
95th percentile per-packet one-way delay: 23.201 ms
Loss rate: 25.55%

Run 1: Report of TCP BBR — Data Link

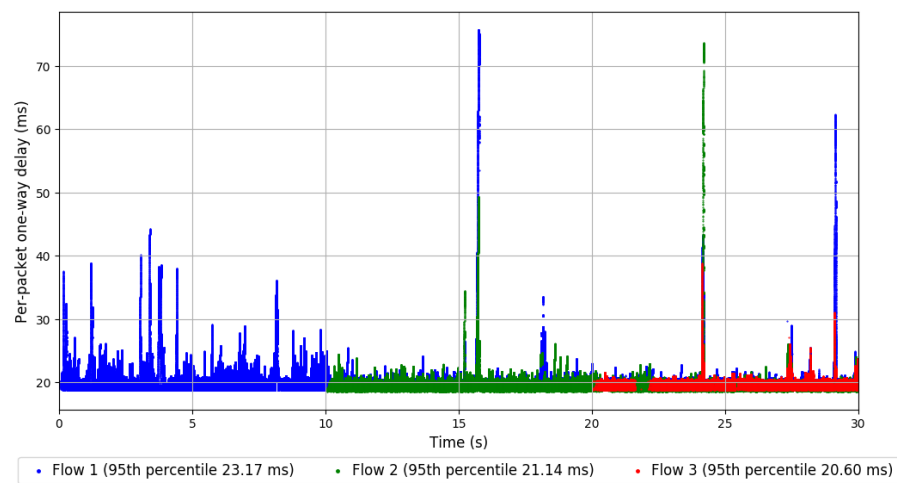
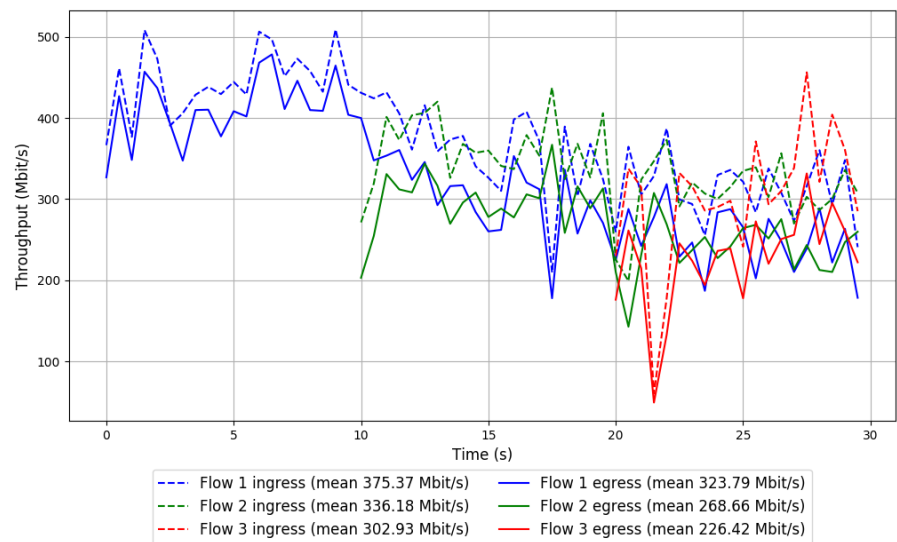


Run 2: Statistics of TCP BBR

Start at: 2017-11-30 21:51:17
End at: 2017-11-30 21:51:47
Local clock offset: 0.325 ms
Remote clock offset: -0.978 ms

Below is generated by plot.py at 2017-12-01 02:39:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 577.71 Mbit/s
95th percentile per-packet one-way delay: 22.206 ms
Loss rate: 17.41%
-- Flow 1:
Average throughput: 323.79 Mbit/s
95th percentile per-packet one-way delay: 23.168 ms
Loss rate: 13.73%
-- Flow 2:
Average throughput: 268.66 Mbit/s
95th percentile per-packet one-way delay: 21.145 ms
Loss rate: 20.07%
-- Flow 3:
Average throughput: 226.42 Mbit/s
95th percentile per-packet one-way delay: 20.599 ms
Loss rate: 25.22%

Run 2: Report of TCP BBR — Data Link

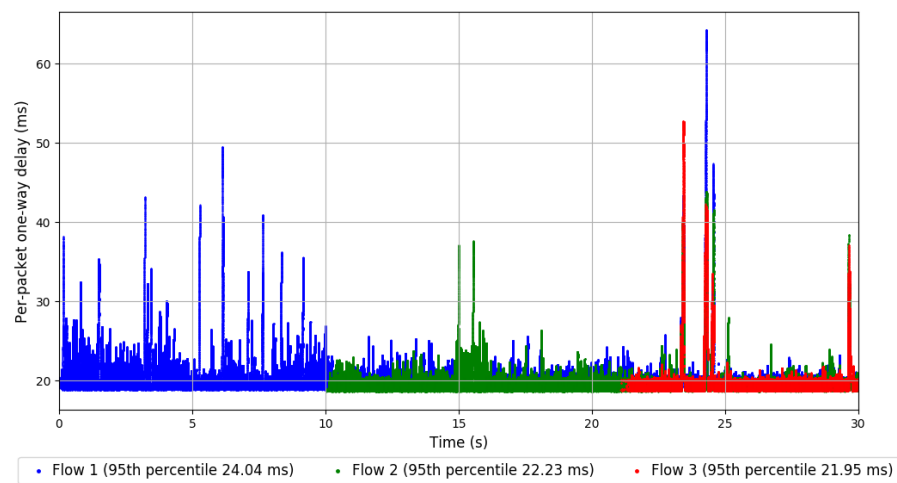
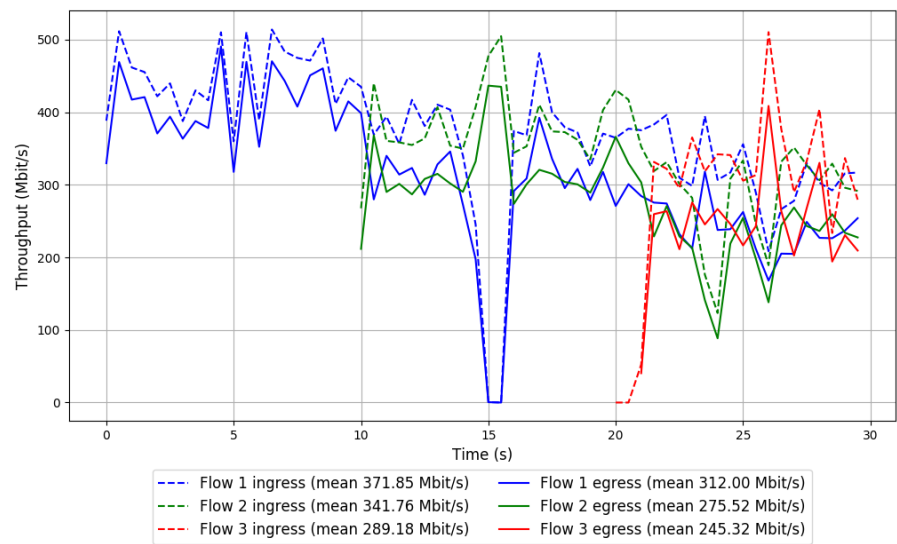


Run 3: Statistics of TCP BBR

Start at: 2017-11-30 22:11:32
End at: 2017-11-30 22:12:02
Local clock offset: 0.538 ms
Remote clock offset: -1.062 ms

Below is generated by plot.py at 2017-12-01 02:39:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 568.49 Mbit/s
95th percentile per-packet one-way delay: 23.343 ms
Loss rate: 18.25%
-- Flow 1:
Average throughput: 312.00 Mbit/s
95th percentile per-packet one-way delay: 24.039 ms
Loss rate: 16.09%
-- Flow 2:
Average throughput: 275.52 Mbit/s
95th percentile per-packet one-way delay: 22.232 ms
Loss rate: 19.38%
-- Flow 3:
Average throughput: 245.32 Mbit/s
95th percentile per-packet one-way delay: 21.954 ms
Loss rate: 23.92%

Run 3: Report of TCP BBR — Data Link

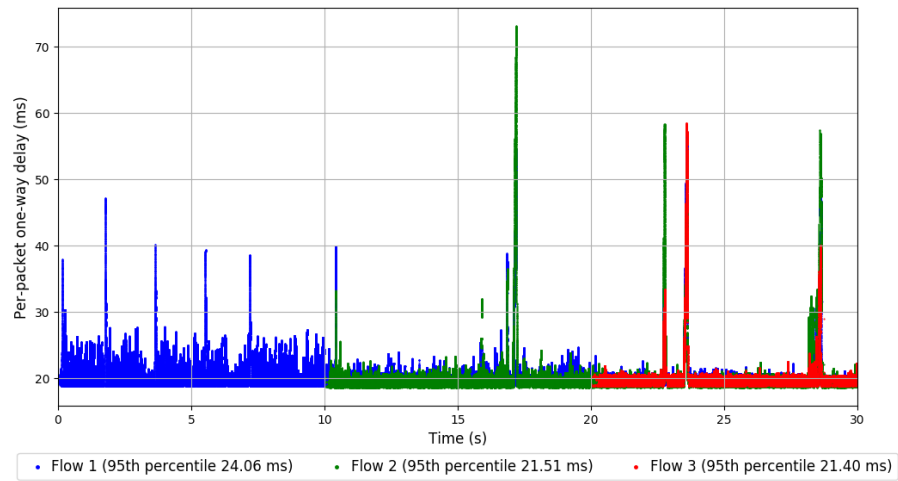
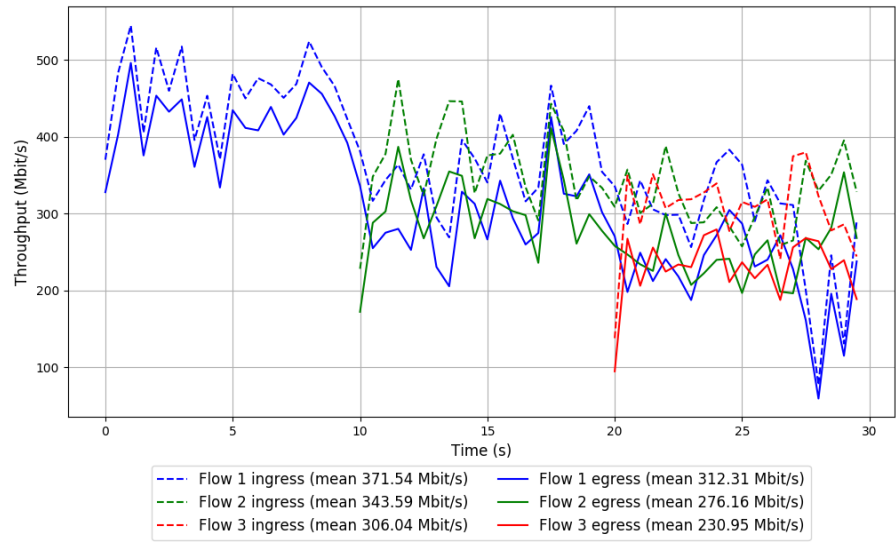


Run 4: Statistics of TCP BBR

Start at: 2017-11-30 22:31:52
End at: 2017-11-30 22:32:22
Local clock offset: 0.697 ms
Remote clock offset: -1.048 ms

Below is generated by plot.py at 2017-12-01 02:39:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.80 Mbit/s
95th percentile per-packet one-way delay: 23.553 ms
Loss rate: 18.38%
-- Flow 1:
Average throughput: 312.31 Mbit/s
95th percentile per-packet one-way delay: 24.058 ms
Loss rate: 15.94%
-- Flow 2:
Average throughput: 276.16 Mbit/s
95th percentile per-packet one-way delay: 21.513 ms
Loss rate: 19.62%
-- Flow 3:
Average throughput: 230.95 Mbit/s
95th percentile per-packet one-way delay: 21.398 ms
Loss rate: 24.51%

Run 4: Report of TCP BBR — Data Link

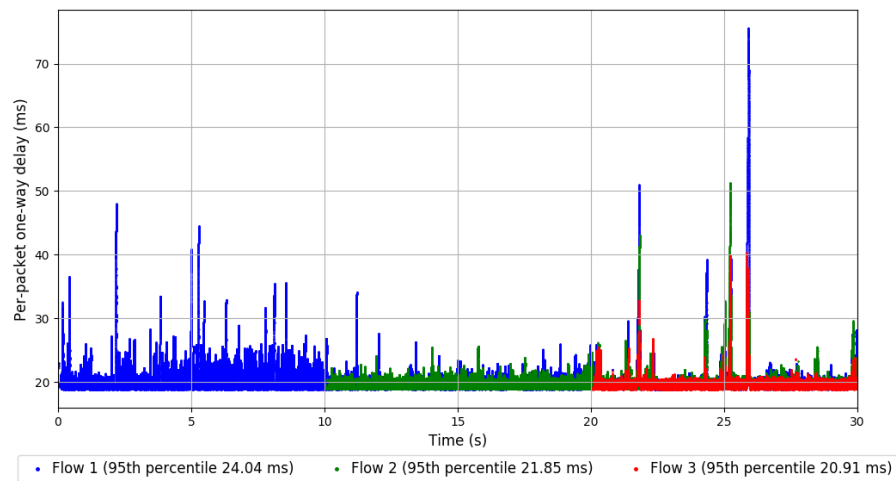
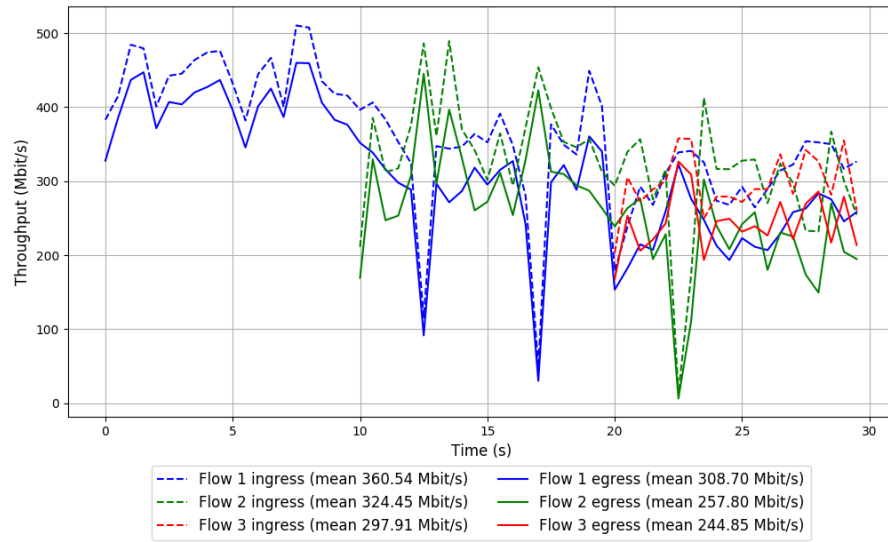


Run 5: Statistics of TCP BBR

Start at: 2017-11-30 22:52:17
End at: 2017-11-30 22:52:47
Local clock offset: 0.821 ms
Remote clock offset: -0.943 ms

Below is generated by plot.py at 2017-12-01 02:39:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 561.68 Mbit/s
95th percentile per-packet one-way delay: 23.178 ms
Loss rate: 16.85%
-- Flow 1:
Average throughput: 308.70 Mbit/s
95th percentile per-packet one-way delay: 24.039 ms
Loss rate: 14.38%
-- Flow 2:
Average throughput: 257.80 Mbit/s
95th percentile per-packet one-way delay: 21.853 ms
Loss rate: 20.54%
-- Flow 3:
Average throughput: 244.85 Mbit/s
95th percentile per-packet one-way delay: 20.911 ms
Loss rate: 17.82%

Run 5: Report of TCP BBR — Data Link

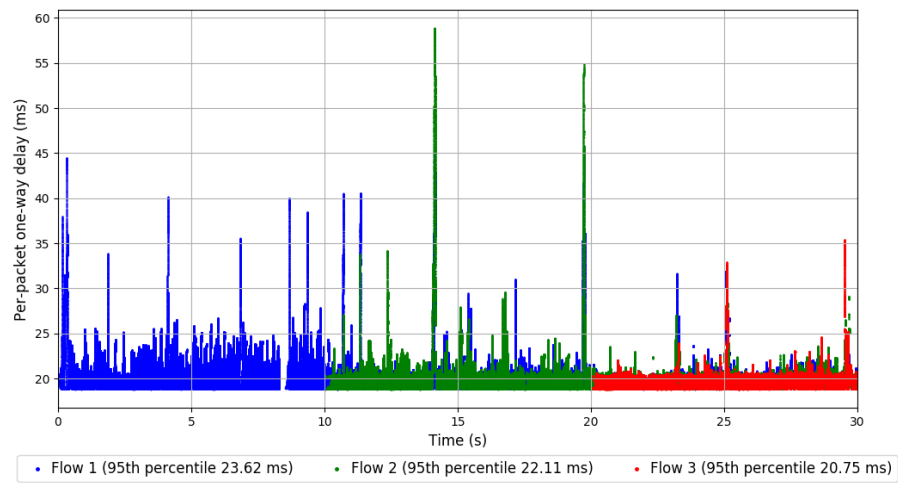
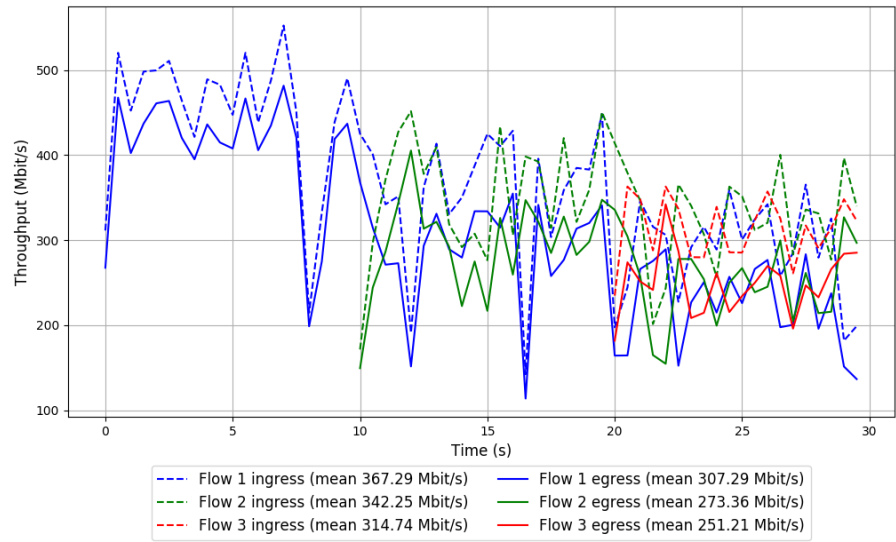


Run 6: Statistics of TCP BBR

Start at: 2017-11-30 23:12:35
End at: 2017-11-30 23:13:05
Local clock offset: 0.751 ms
Remote clock offset: -0.959 ms

Below is generated by plot.py at 2017-12-01 02:39:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.77 Mbit/s
95th percentile per-packet one-way delay: 22.972 ms
Loss rate: 18.14%
-- Flow 1:
Average throughput: 307.29 Mbit/s
95th percentile per-packet one-way delay: 23.616 ms
Loss rate: 16.33%
-- Flow 2:
Average throughput: 273.36 Mbit/s
95th percentile per-packet one-way delay: 22.107 ms
Loss rate: 20.12%
-- Flow 3:
Average throughput: 251.21 Mbit/s
95th percentile per-packet one-way delay: 20.748 ms
Loss rate: 20.17%

Run 6: Report of TCP BBR — Data Link

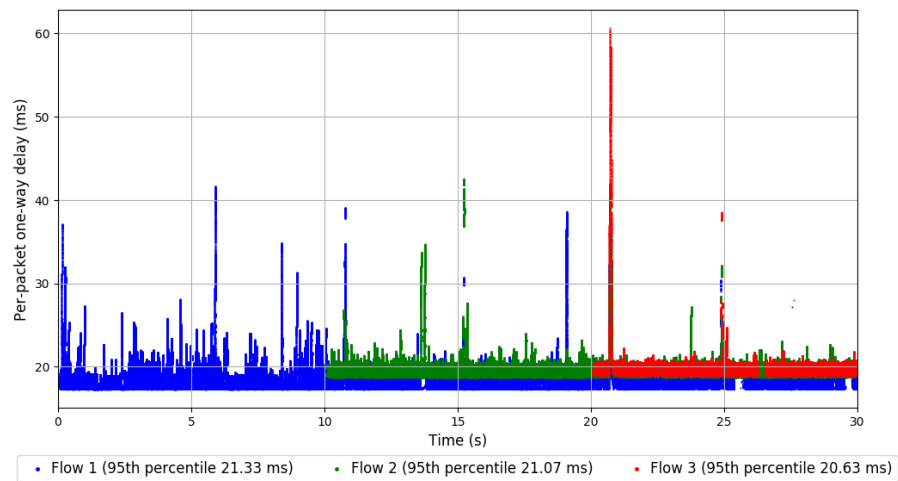
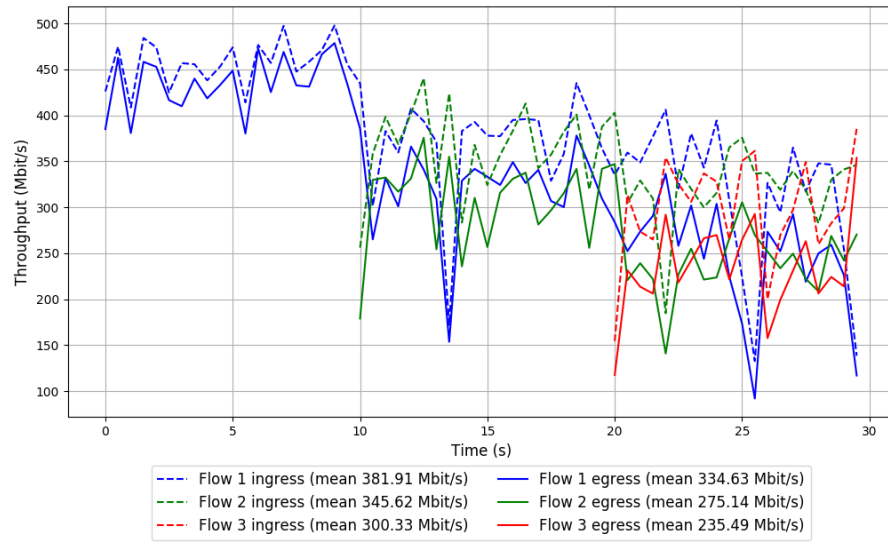


Run 7: Statistics of TCP BBR

Start at: 2017-11-30 23:32:55
End at: 2017-11-30 23:33:25
Local clock offset: 0.805 ms
Remote clock offset: -0.862 ms

Below is generated by plot.py at 2017-12-01 02:39:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 595.98 Mbit/s
95th percentile per-packet one-way delay: 21.070 ms
Loss rate: 16.26%
-- Flow 1:
Average throughput: 334.63 Mbit/s
95th percentile per-packet one-way delay: 21.331 ms
Loss rate: 12.38%
-- Flow 2:
Average throughput: 275.14 Mbit/s
95th percentile per-packet one-way delay: 21.067 ms
Loss rate: 20.39%
-- Flow 3:
Average throughput: 235.49 Mbit/s
95th percentile per-packet one-way delay: 20.628 ms
Loss rate: 21.58%

Run 7: Report of TCP BBR — Data Link

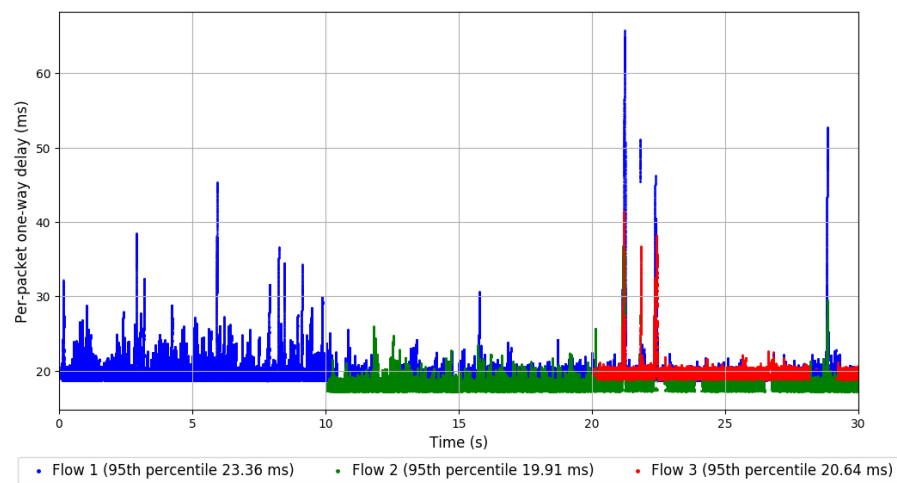
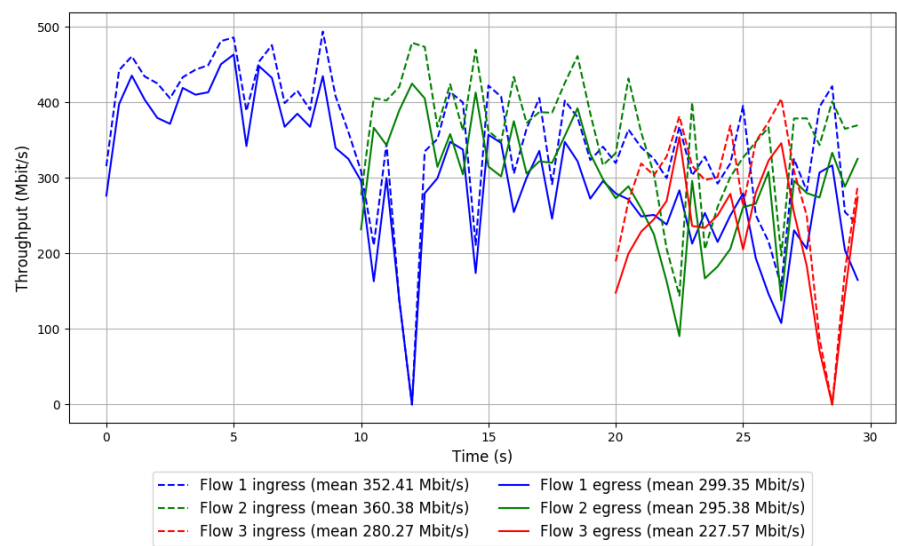


Run 8: Statistics of TCP BBR

Start at: 2017-11-30 23:53:08
End at: 2017-11-30 23:53:38
Local clock offset: 0.925 ms
Remote clock offset: -1.008 ms

Below is generated by plot.py at 2017-12-01 02:39:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 571.67 Mbit/s
95th percentile per-packet one-way delay: 22.218 ms
Loss rate: 16.60%
-- Flow 1:
Average throughput: 299.35 Mbit/s
95th percentile per-packet one-way delay: 23.358 ms
Loss rate: 15.05%
-- Flow 2:
Average throughput: 295.38 Mbit/s
95th percentile per-packet one-way delay: 19.912 ms
Loss rate: 18.03%
-- Flow 3:
Average throughput: 227.57 Mbit/s
95th percentile per-packet one-way delay: 20.640 ms
Loss rate: 18.80%

Run 8: Report of TCP BBR — Data Link

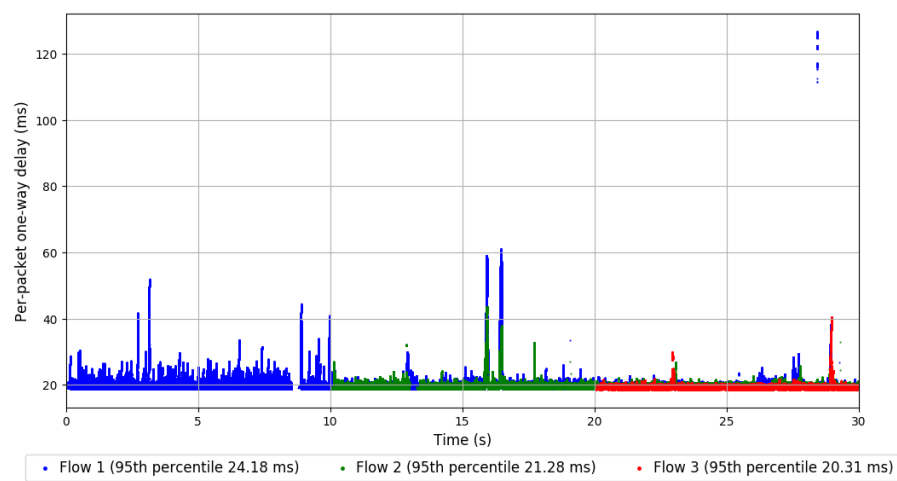
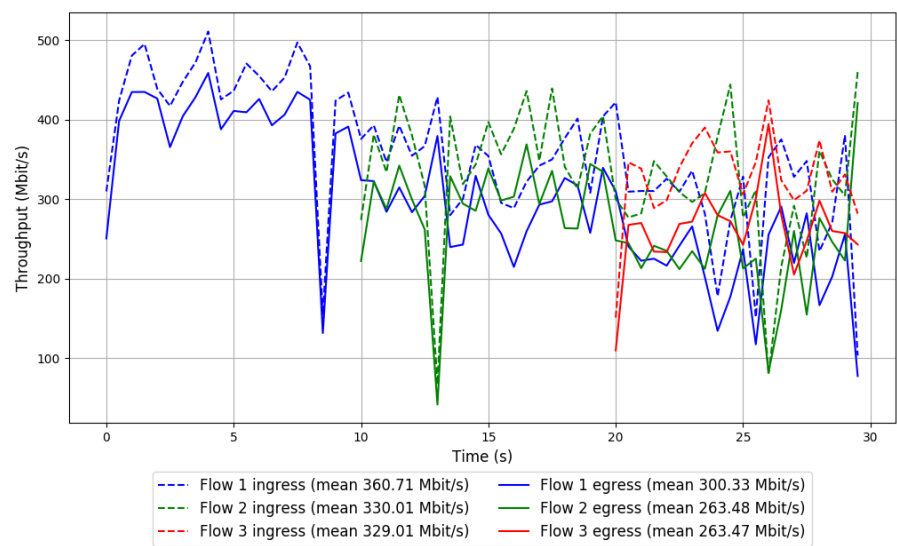


Run 9: Statistics of TCP BBR

Start at: 2017-12-01 00:13:27
End at: 2017-12-01 00:13:57
Local clock offset: 0.913 ms
Remote clock offset: -1.264 ms

Below is generated by plot.py at 2017-12-01 02:47:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 563.21 Mbit/s
95th percentile per-packet one-way delay: 23.142 ms
Loss rate: 18.34%
-- Flow 1:
Average throughput: 300.33 Mbit/s
95th percentile per-packet one-way delay: 24.180 ms
Loss rate: 16.74%
-- Flow 2:
Average throughput: 263.48 Mbit/s
95th percentile per-packet one-way delay: 21.284 ms
Loss rate: 20.16%
-- Flow 3:
Average throughput: 263.47 Mbit/s
95th percentile per-packet one-way delay: 20.311 ms
Loss rate: 19.93%

Run 9: Report of TCP BBR — Data Link

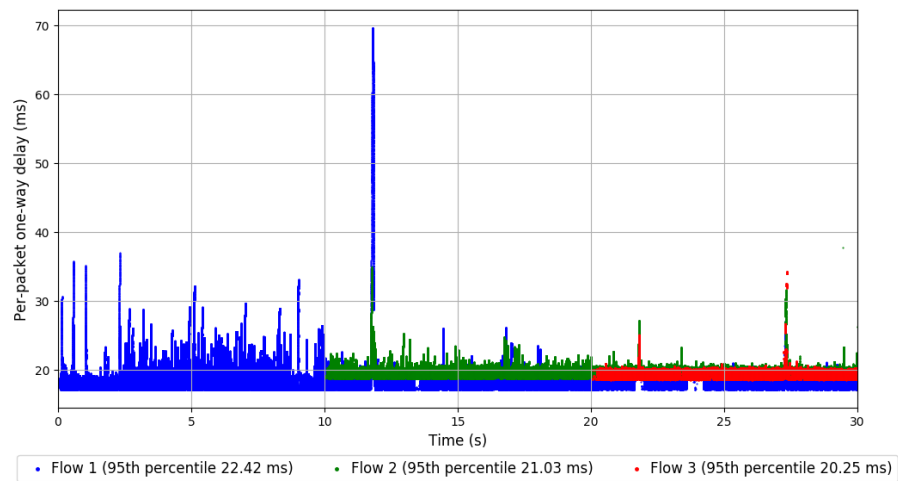
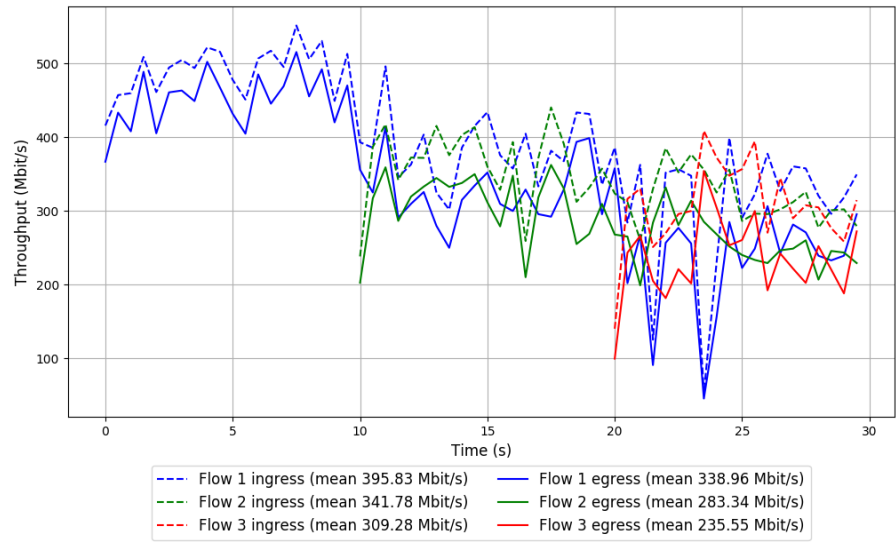


Run 10: Statistics of TCP BBR

Start at: 2017-12-01 00:33:28
End at: 2017-12-01 00:33:58
Local clock offset: 0.921 ms
Remote clock offset: -1.394 ms

Below is generated by plot.py at 2017-12-01 02:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.65 Mbit/s
95th percentile per-packet one-way delay: 21.520 ms
Loss rate: 16.56%
-- Flow 1:
Average throughput: 338.96 Mbit/s
95th percentile per-packet one-way delay: 22.420 ms
Loss rate: 14.38%
-- Flow 2:
Average throughput: 283.34 Mbit/s
95th percentile per-packet one-way delay: 21.032 ms
Loss rate: 17.07%
-- Flow 3:
Average throughput: 235.55 Mbit/s
95th percentile per-packet one-way delay: 20.245 ms
Loss rate: 23.83%

Run 10: Report of TCP BBR — Data Link

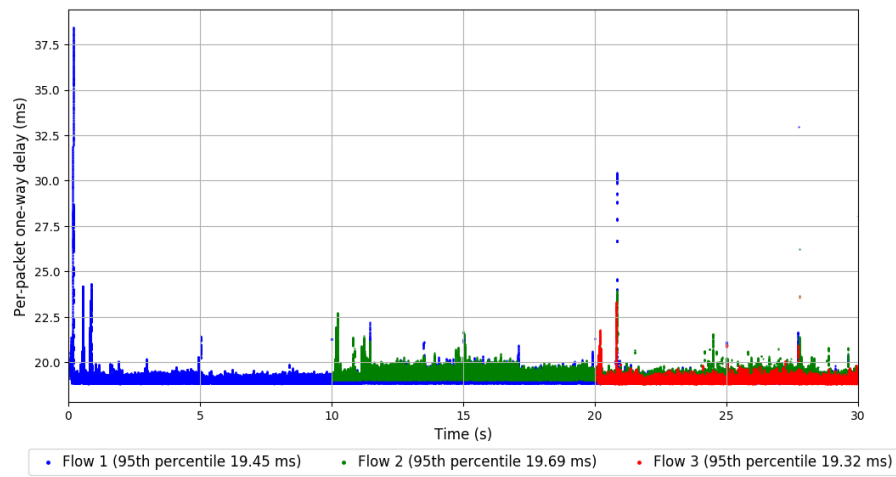
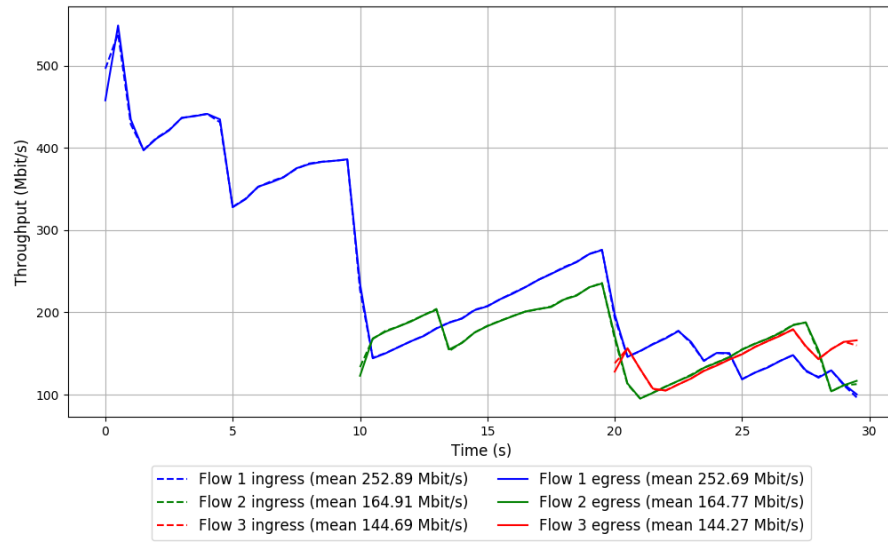


Run 1: Statistics of TCP Cubic

Start at: 2017-11-30 21:22:14
End at: 2017-11-30 21:22:44
Local clock offset: 0.015 ms
Remote clock offset: -0.747 ms

Below is generated by plot.py at 2017-12-01 02:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.26 Mbit/s
95th percentile per-packet one-way delay: 19.561 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 252.69 Mbit/s
95th percentile per-packet one-way delay: 19.453 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 164.77 Mbit/s
95th percentile per-packet one-way delay: 19.687 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 144.27 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.20%

Run 1: Report of TCP Cubic — Data Link

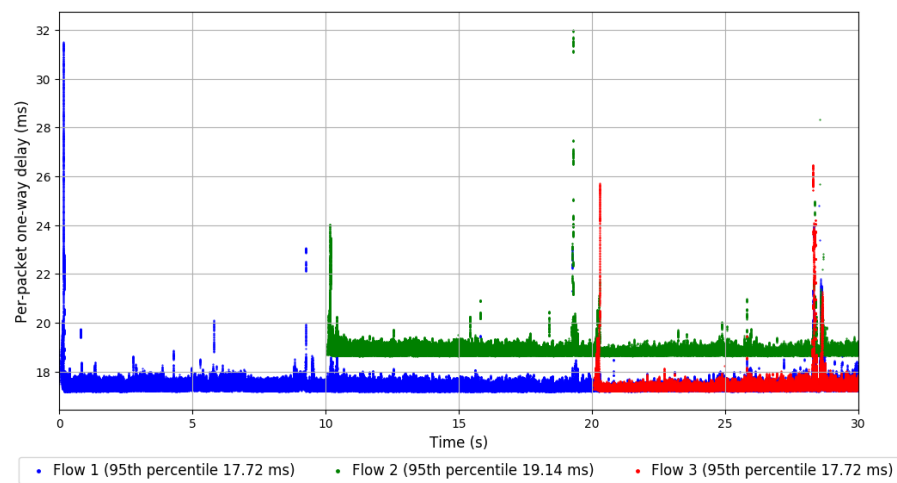
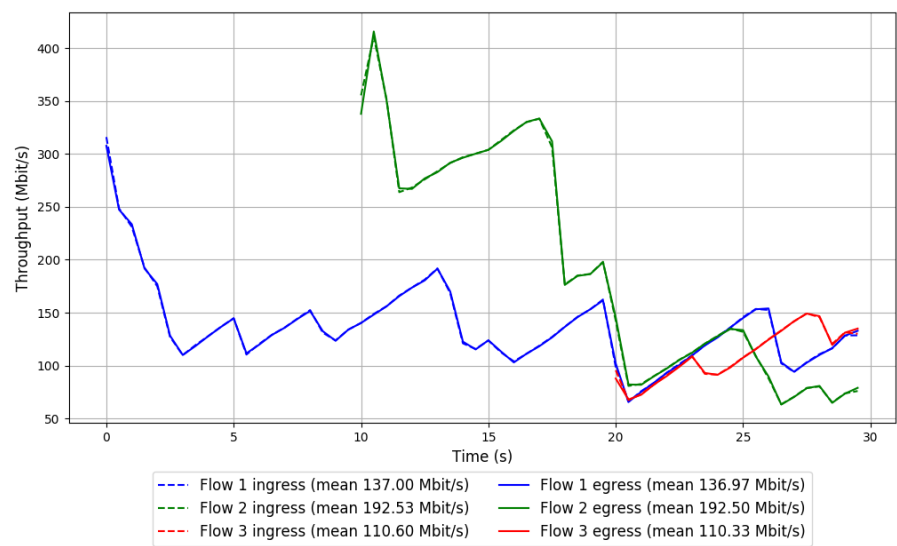


Run 2: Statistics of TCP Cubic

Start at: 2017-11-30 21:42:16
End at: 2017-11-30 21:42:46
Local clock offset: 0.232 ms
Remote clock offset: -0.903 ms

Below is generated by plot.py at 2017-12-01 02:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.74 Mbit/s
95th percentile per-packet one-way delay: 19.045 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 136.97 Mbit/s
95th percentile per-packet one-way delay: 17.722 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 192.50 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 110.33 Mbit/s
95th percentile per-packet one-way delay: 17.716 ms
Loss rate: 0.25%

Run 2: Report of TCP Cubic — Data Link

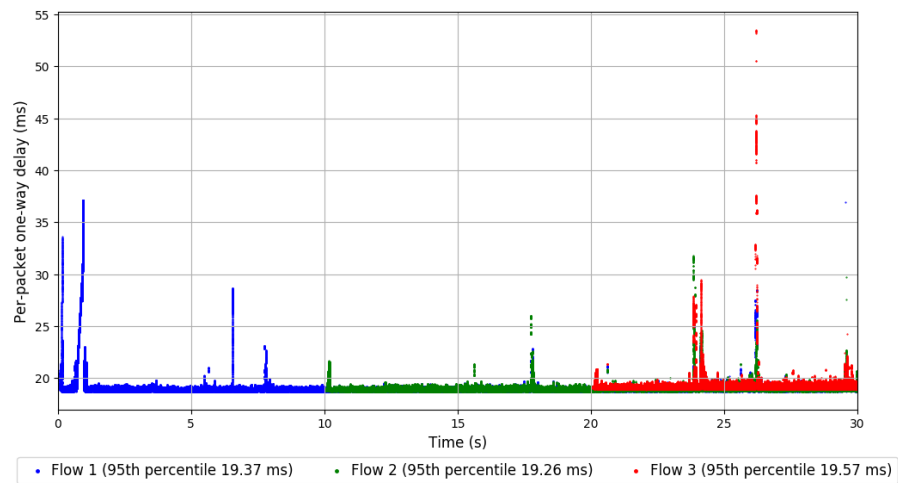
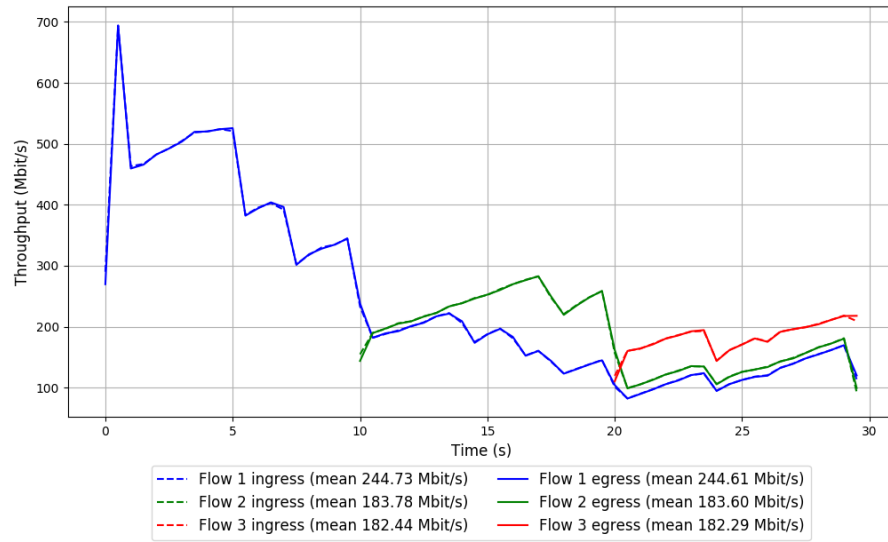


Run 3: Statistics of TCP Cubic

Start at: 2017-11-30 22:02:17
End at: 2017-11-30 22:02:47
Local clock offset: 0.351 ms
Remote clock offset: -0.826 ms

Below is generated by plot.py at 2017-12-01 02:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 427.36 Mbit/s
95th percentile per-packet one-way delay: 19.426 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 244.61 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 183.60 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 182.29 Mbit/s
95th percentile per-packet one-way delay: 19.570 ms
Loss rate: 0.08%

Run 3: Report of TCP Cubic — Data Link

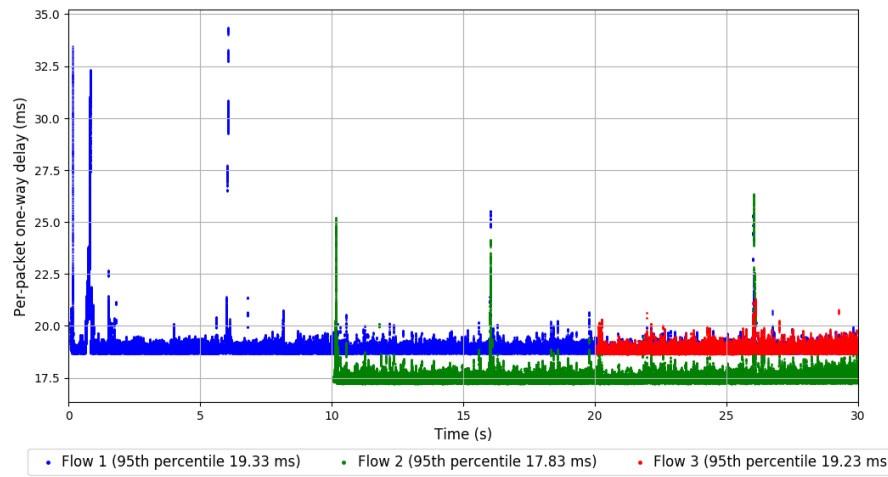
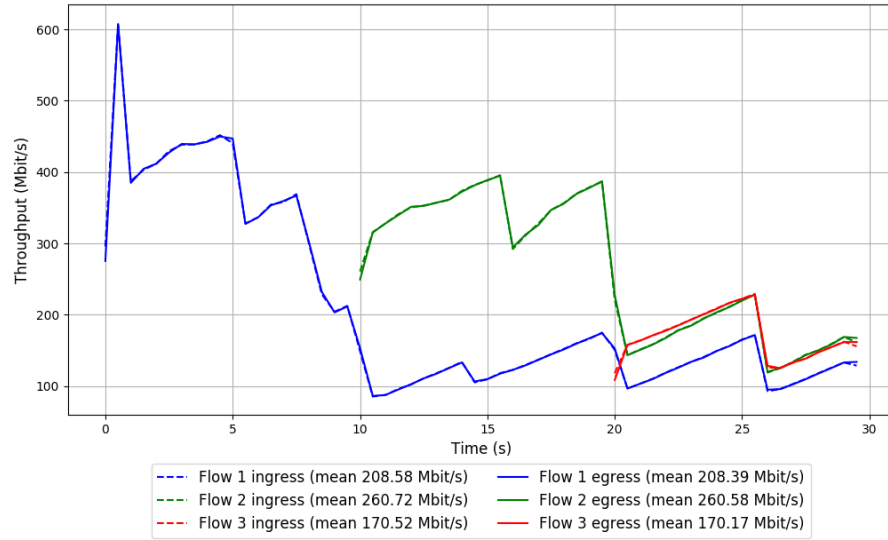


Run 4: Statistics of TCP Cubic

Start at: 2017-11-30 22:22:39
End at: 2017-11-30 22:23:09
Local clock offset: 0.627 ms
Remote clock offset: -1.044 ms

Below is generated by plot.py at 2017-12-01 02:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.34 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 208.39 Mbit/s
95th percentile per-packet one-way delay: 19.328 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 260.58 Mbit/s
95th percentile per-packet one-way delay: 17.827 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 170.17 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.20%

Run 4: Report of TCP Cubic — Data Link

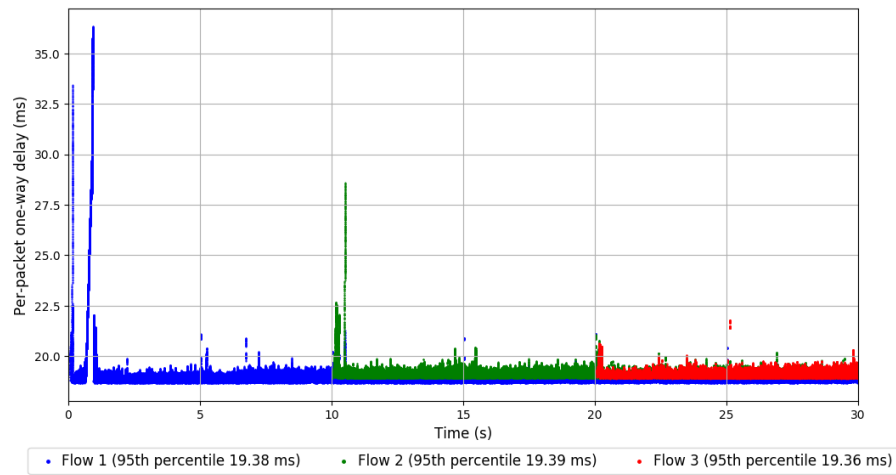
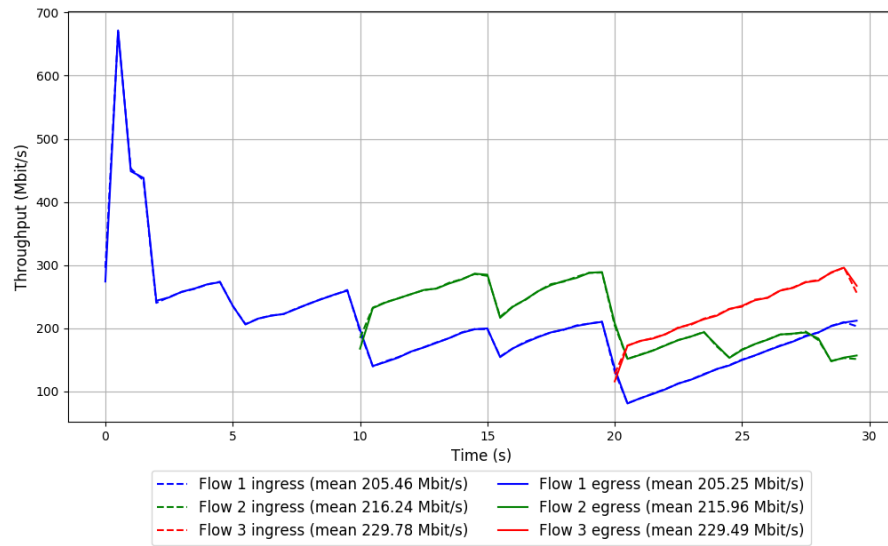


Run 5: Statistics of TCP Cubic

Start at: 2017-11-30 22:43:02
End at: 2017-11-30 22:43:32
Local clock offset: 0.67 ms
Remote clock offset: -0.996 ms

Below is generated by plot.py at 2017-12-01 02:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.22 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 205.25 Mbit/s
95th percentile per-packet one-way delay: 19.383 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 215.96 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 229.49 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.13%

Run 5: Report of TCP Cubic — Data Link

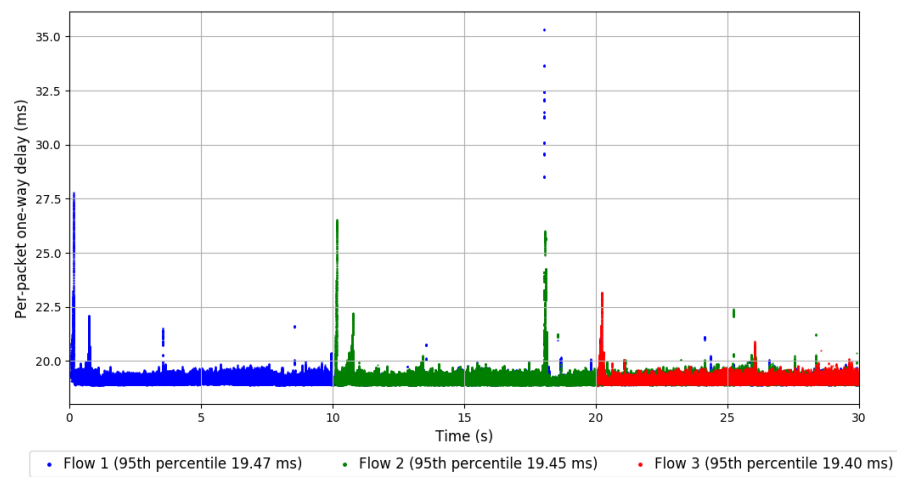
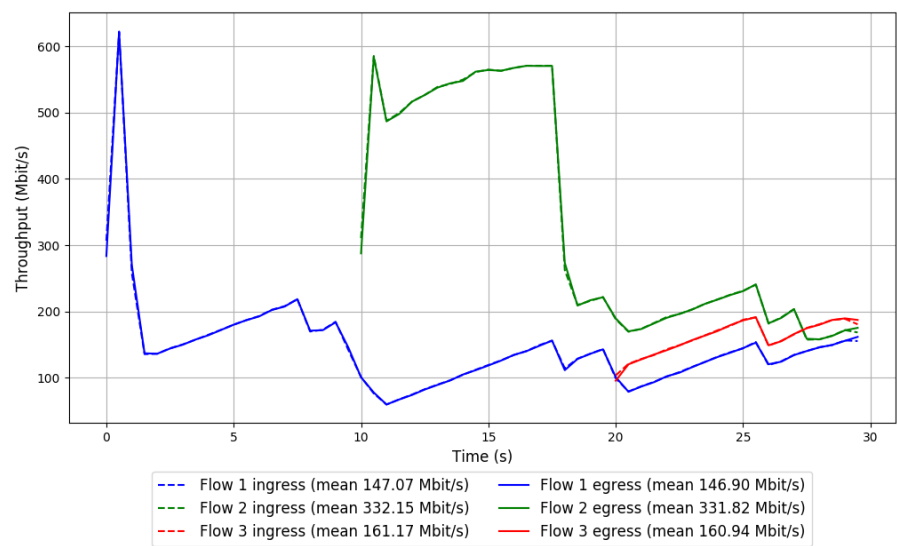


Run 6: Statistics of TCP Cubic

Start at: 2017-11-30 23:03:19
End at: 2017-11-30 23:03:49
Local clock offset: 0.797 ms
Remote clock offset: -0.957 ms

Below is generated by plot.py at 2017-12-01 02:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.38 Mbit/s
95th percentile per-packet one-way delay: 19.449 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 146.90 Mbit/s
95th percentile per-packet one-way delay: 19.467 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 331.82 Mbit/s
95th percentile per-packet one-way delay: 19.448 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 160.94 Mbit/s
95th percentile per-packet one-way delay: 19.401 ms
Loss rate: 0.14%

Run 6: Report of TCP Cubic — Data Link

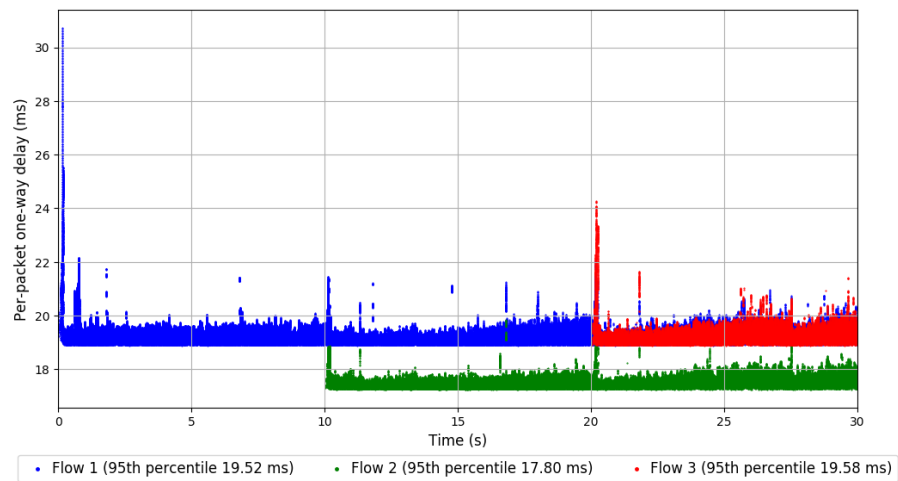
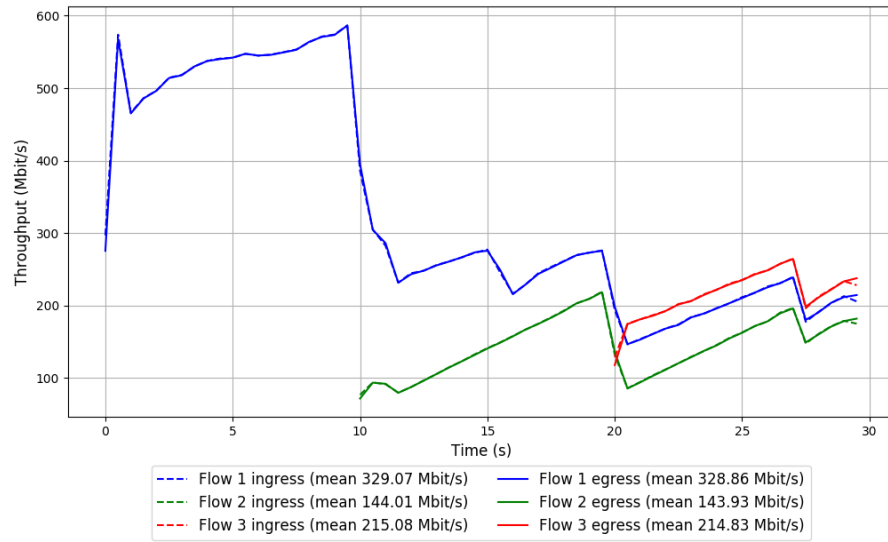


Run 7: Statistics of TCP Cubic

Start at: 2017-11-30 23:23:40
End at: 2017-11-30 23:24:10
Local clock offset: 0.782 ms
Remote clock offset: -0.957 ms

Below is generated by plot.py at 2017-12-01 02:50:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.05 Mbit/s
95th percentile per-packet one-way delay: 19.500 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 328.86 Mbit/s
95th percentile per-packet one-way delay: 19.519 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 143.93 Mbit/s
95th percentile per-packet one-way delay: 17.803 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 214.83 Mbit/s
95th percentile per-packet one-way delay: 19.579 ms
Loss rate: 0.12%

Run 7: Report of TCP Cubic — Data Link

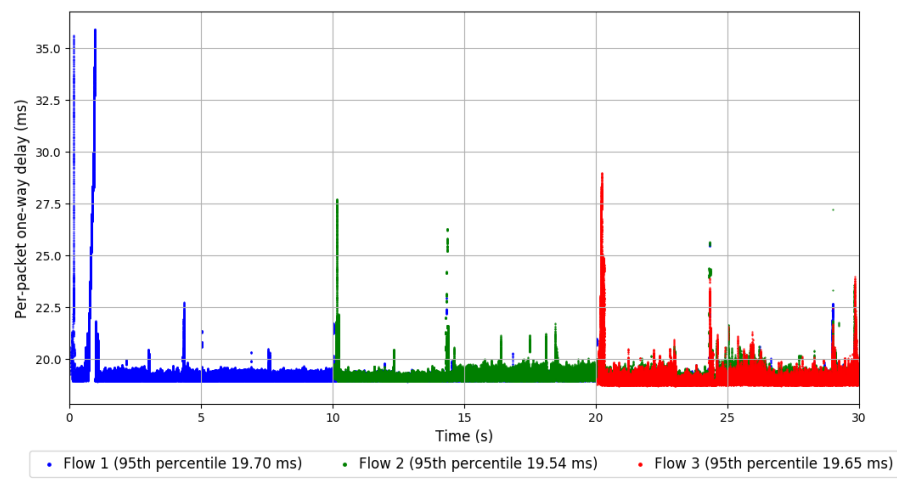
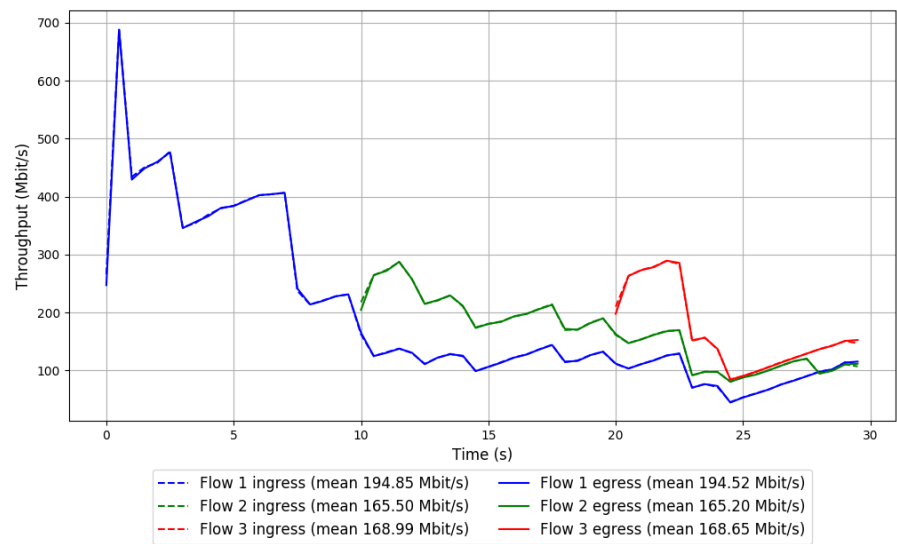


Run 8: Statistics of TCP Cubic

Start at: 2017-11-30 23:43:56
End at: 2017-11-30 23:44:26
Local clock offset: 0.809 ms
Remote clock offset: -1.012 ms

Below is generated by plot.py at 2017-12-01 02:50:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.59 Mbit/s
95th percentile per-packet one-way delay: 19.597 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 194.52 Mbit/s
95th percentile per-packet one-way delay: 19.703 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 165.20 Mbit/s
95th percentile per-packet one-way delay: 19.543 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 168.65 Mbit/s
95th percentile per-packet one-way delay: 19.650 ms
Loss rate: 0.19%

Run 8: Report of TCP Cubic — Data Link

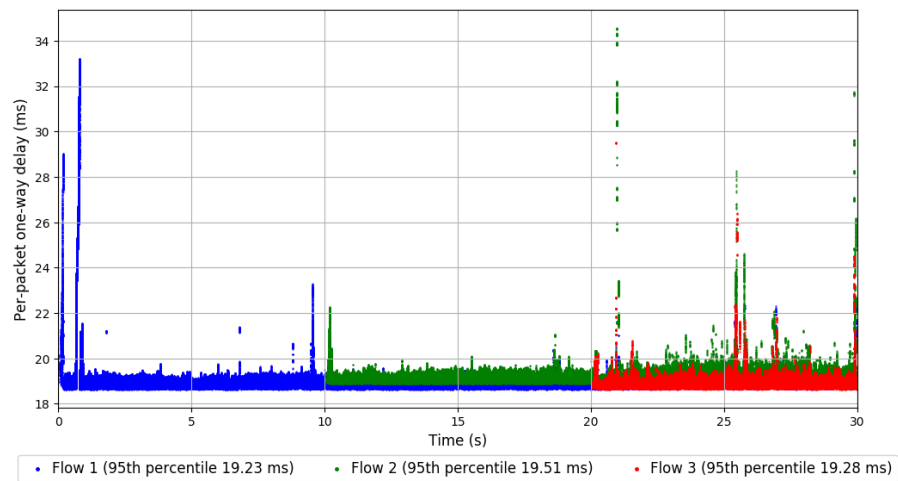
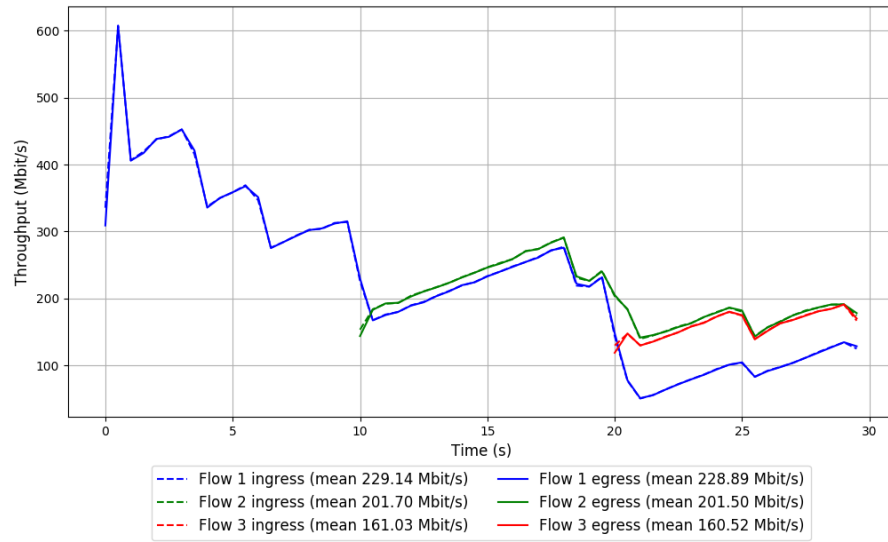


Run 9: Statistics of TCP Cubic

Start at: 2017-12-01 00:04:10
End at: 2017-12-01 00:04:40
Local clock offset: 0.927 ms
Remote clock offset: -0.989 ms

Below is generated by plot.py at 2017-12-01 02:51:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 416.34 Mbit/s
95th percentile per-packet one-way delay: 19.397 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 228.89 Mbit/s
95th percentile per-packet one-way delay: 19.227 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 201.50 Mbit/s
95th percentile per-packet one-way delay: 19.509 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 160.52 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.32%

Run 9: Report of TCP Cubic — Data Link

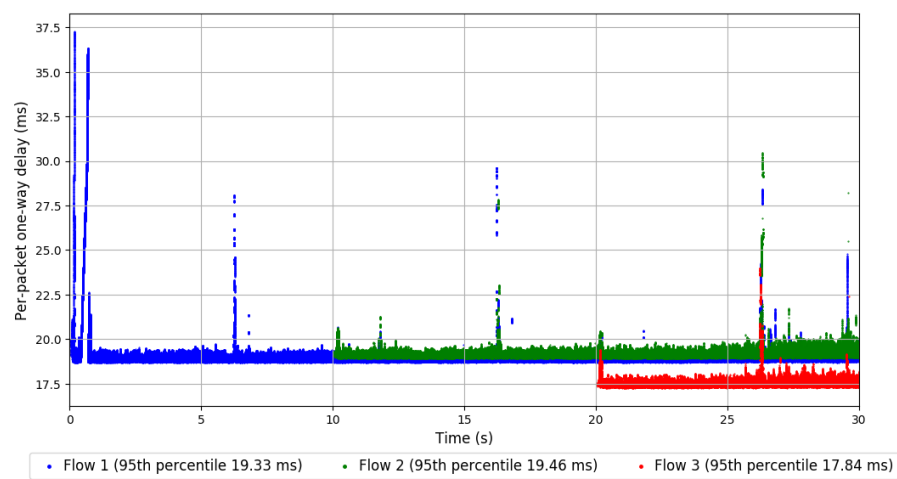
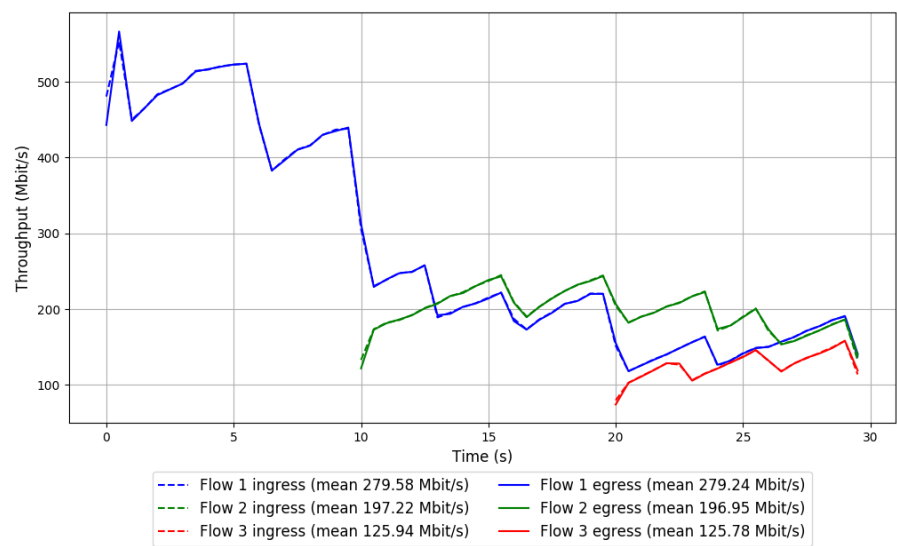


Run 10: Statistics of TCP Cubic

Start at: 2017-12-01 00:24:34
End at: 2017-12-01 00:25:04
Local clock offset: 0.922 ms
Remote clock offset: -1.241 ms

Below is generated by plot.py at 2017-12-01 02:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.12 Mbit/s
95th percentile per-packet one-way delay: 19.401 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 279.24 Mbit/s
95th percentile per-packet one-way delay: 19.331 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 196.95 Mbit/s
95th percentile per-packet one-way delay: 19.464 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 125.78 Mbit/s
95th percentile per-packet one-way delay: 17.844 ms
Loss rate: 0.12%

Run 10: Report of TCP Cubic — Data Link

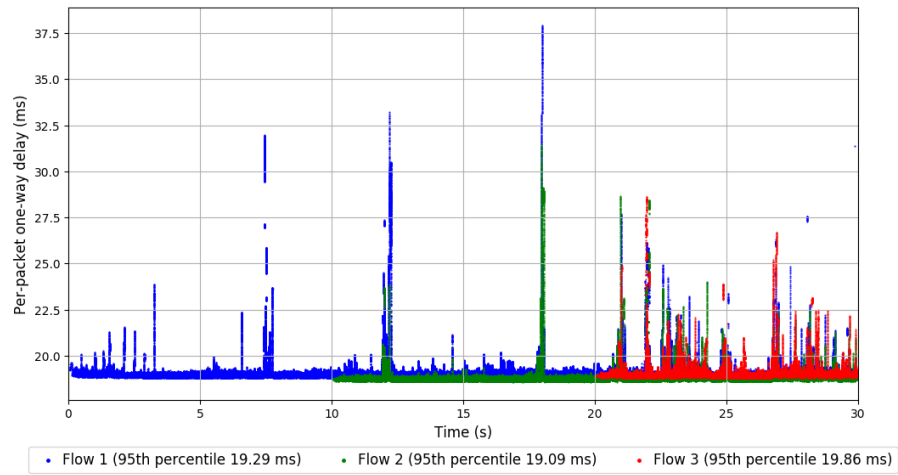
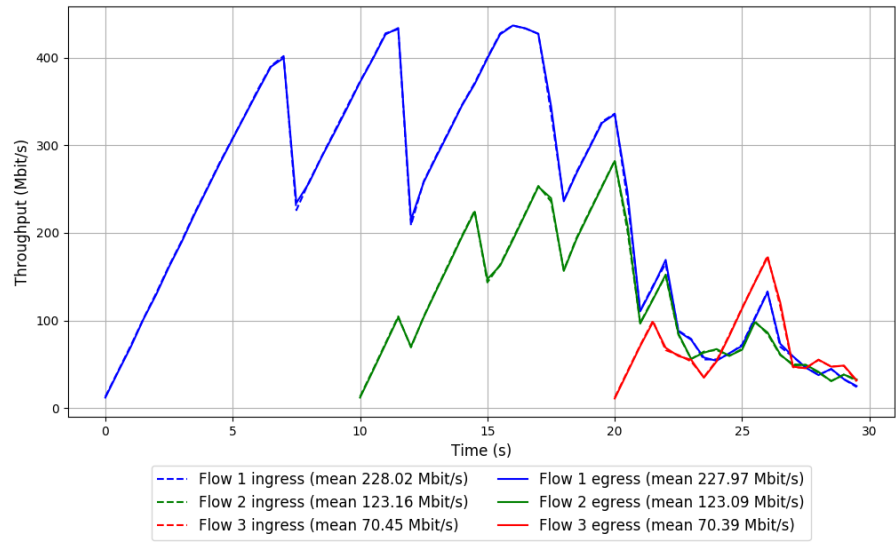


```
Run 1: Statistics of LEDBAT

Start at: 2017-11-30 21:19:33
End at: 2017-11-30 21:20:03
Local clock offset: 0.095 ms
Remote clock offset: -0.845 ms

# Below is generated by plot.py at 2017-12-01 02:51:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.24 Mbit/s
95th percentile per-packet one-way delay: 19.293 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 227.97 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 123.09 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 19.856 ms
Loss rate: 0.08%
```


Run 1: Report of LEDBAT — Data Link

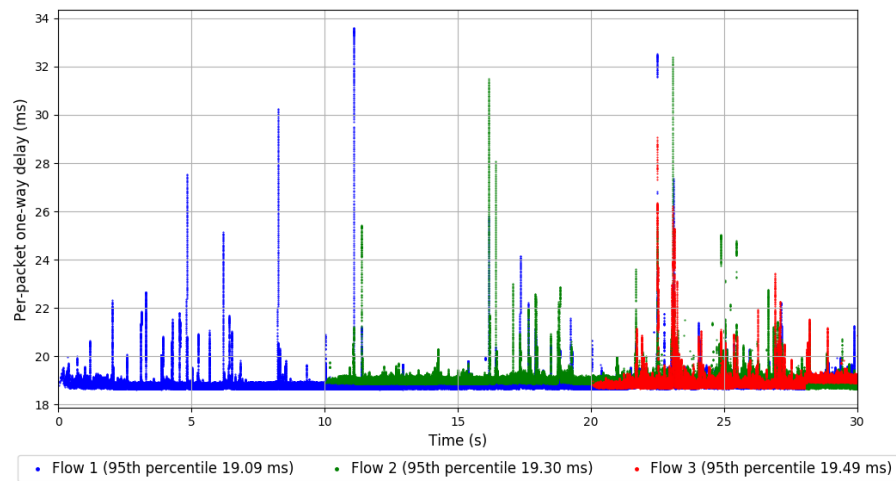
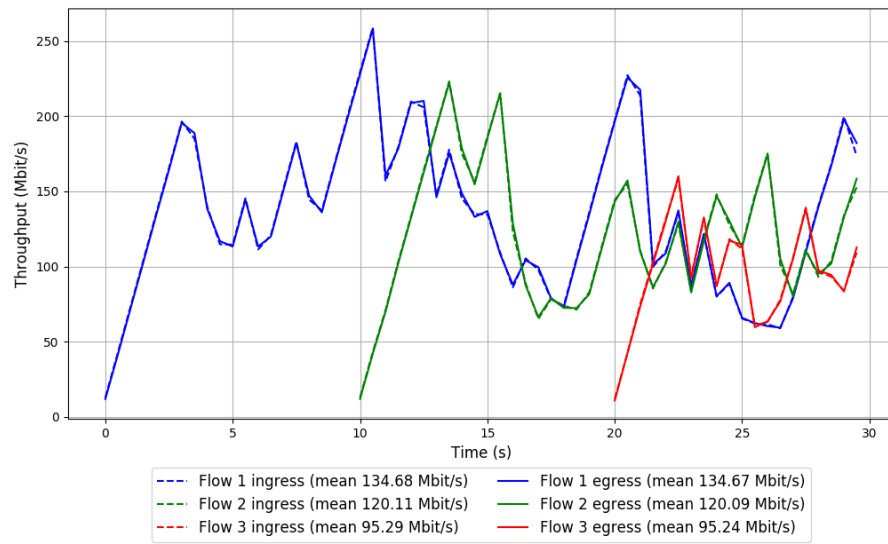


Run 2: Statistics of LEDBAT

Start at: 2017-11-30 21:39:39
End at: 2017-11-30 21:40:09
Local clock offset: 0.212 ms
Remote clock offset: -0.867 ms

Below is generated by plot.py at 2017-12-01 02:51:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.20 Mbit/s
95th percentile per-packet one-way delay: 19.211 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 134.67 Mbit/s
95th percentile per-packet one-way delay: 19.090 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 120.09 Mbit/s
95th percentile per-packet one-way delay: 19.297 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link

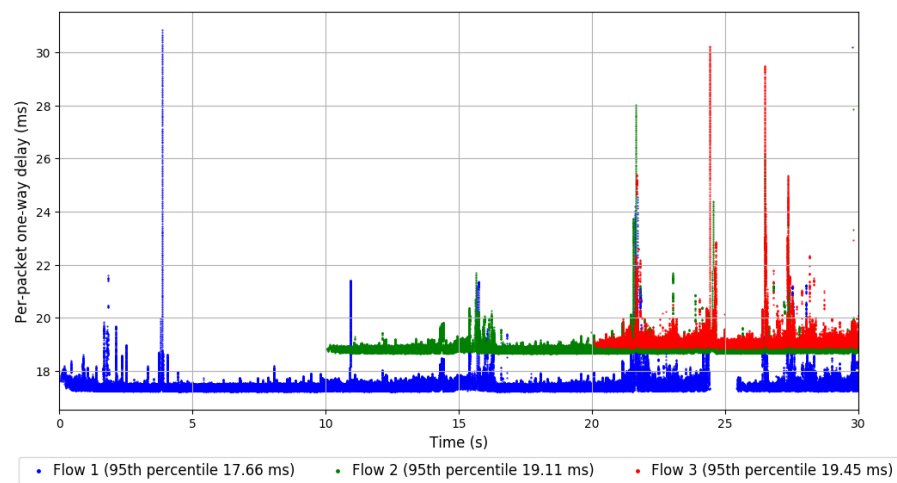
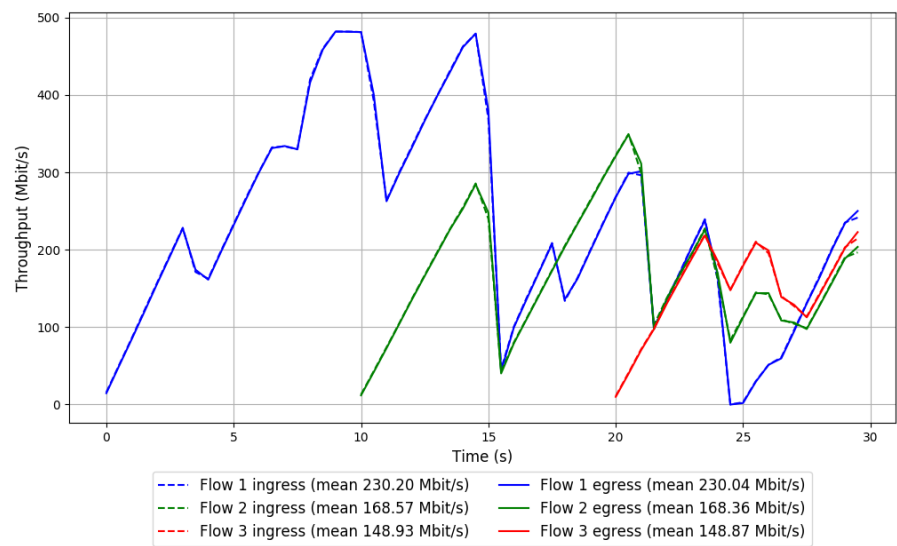


Run 3: Statistics of LEDBAT

Start at: 2017-11-30 21:59:32
End at: 2017-11-30 22:00:02
Local clock offset: 0.35 ms
Remote clock offset: -0.842 ms

Below is generated by plot.py at 2017-12-01 02:52:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.44 Mbit/s
95th percentile per-packet one-way delay: 19.113 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 230.04 Mbit/s
95th percentile per-packet one-way delay: 17.658 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 168.36 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 148.87 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.04%

Run 3: Report of LEDBAT — Data Link

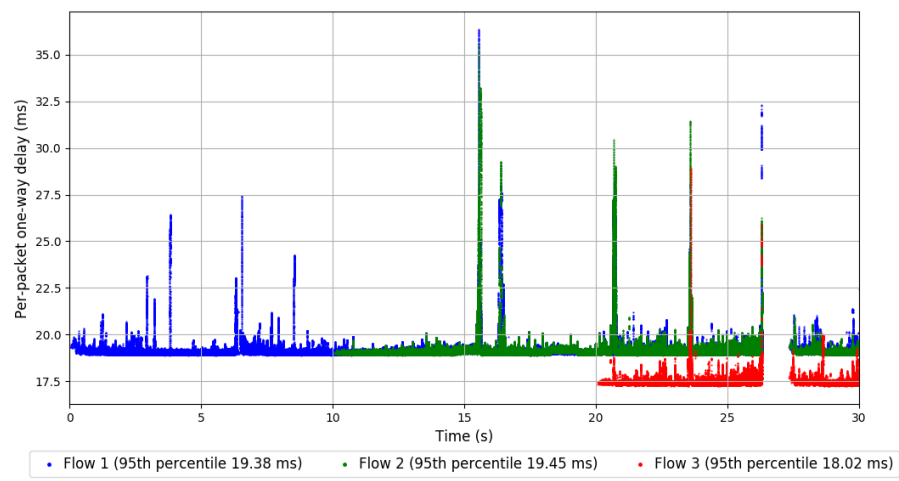
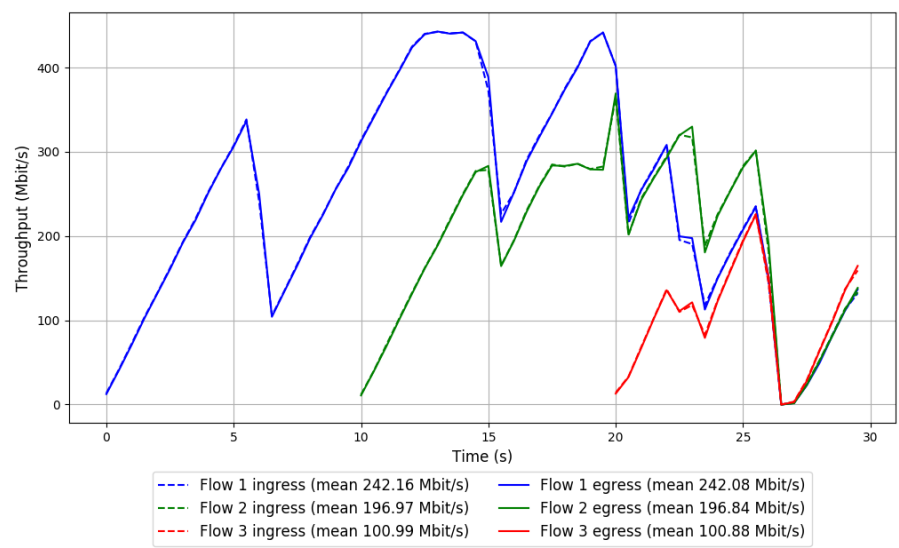


Run 4: Statistics of LEDBAT

Start at: 2017-11-30 22:19:54
End at: 2017-11-30 22:20:24
Local clock offset: 0.6 ms
Remote clock offset: -1.005 ms

Below is generated by plot.py at 2017-12-01 02:53:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.44 Mbit/s
95th percentile per-packet one-way delay: 19.377 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 242.08 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 196.84 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 100.88 Mbit/s
95th percentile per-packet one-way delay: 18.022 ms
Loss rate: 0.11%

Run 4: Report of LEDBAT — Data Link

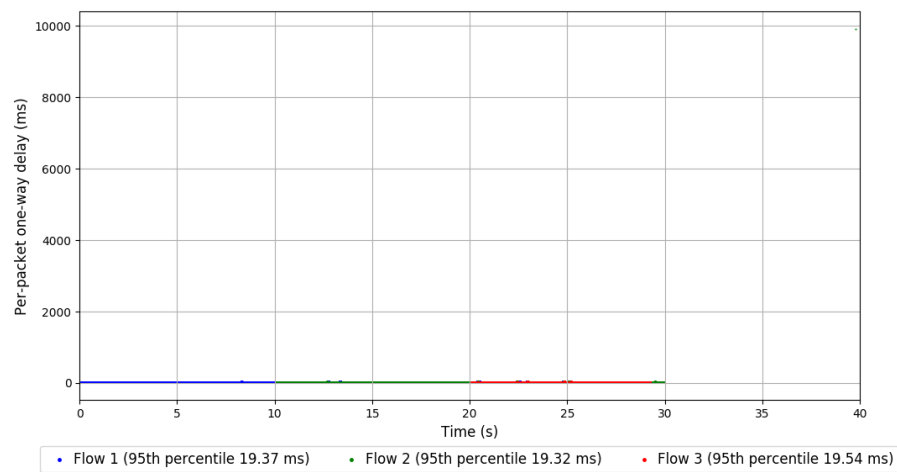
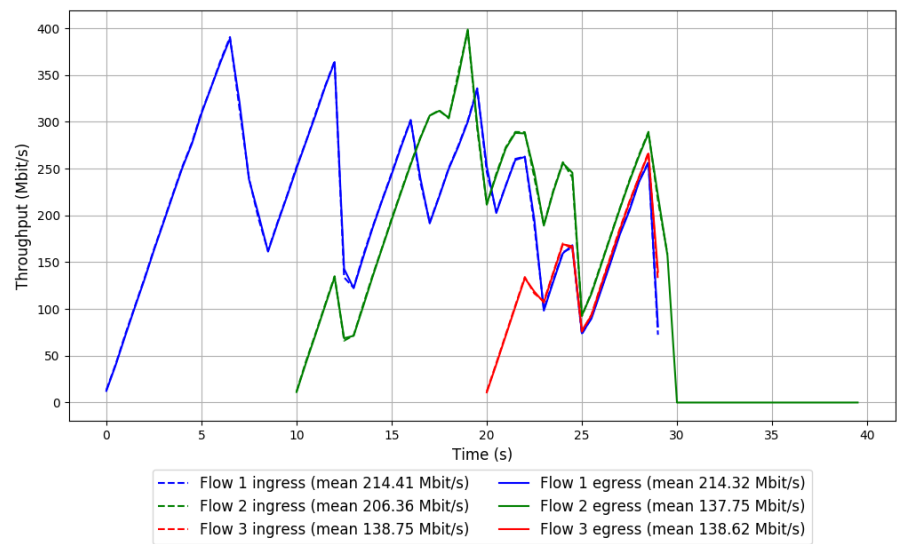


Run 5: Statistics of LEDBAT

Start at: 2017-11-30 22:40:06
End at: 2017-11-30 22:40:36
Local clock offset: 0.743 ms
Remote clock offset: -1.001 ms

Below is generated by plot.py at 2017-12-01 02:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.62 Mbit/s
95th percentile per-packet one-way delay: 19.375 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 214.32 Mbit/s
95th percentile per-packet one-way delay: 19.369 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 137.75 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 138.62 Mbit/s
95th percentile per-packet one-way delay: 19.539 ms
Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link

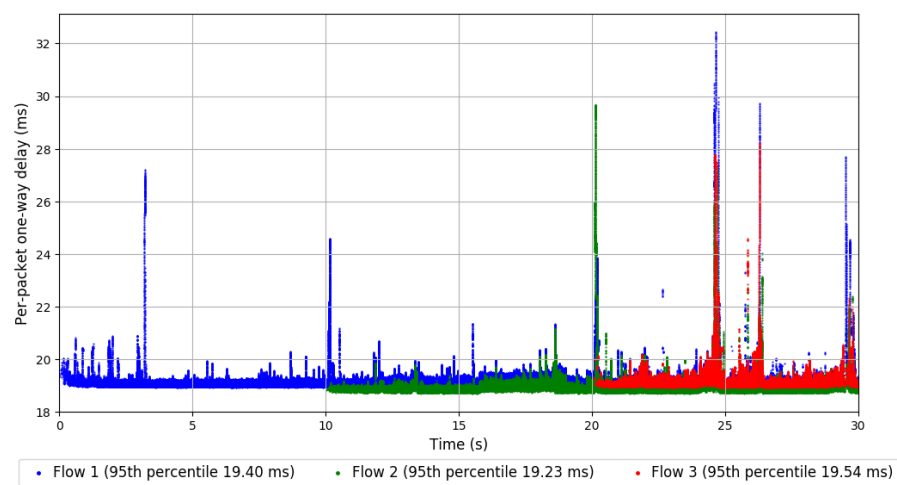
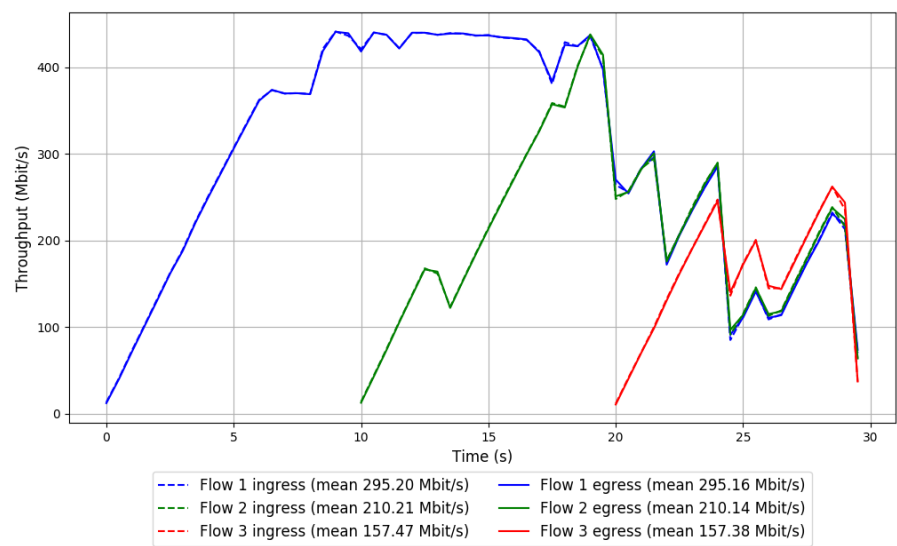


Run 6: Statistics of LEDBAT

Start at: 2017-11-30 23:00:30
End at: 2017-11-30 23:01:00
Local clock offset: 0.733 ms
Remote clock offset: -0.952 ms

Below is generated by plot.py at 2017-12-01 02:56:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 487.22 Mbit/s
95th percentile per-packet one-way delay: 19.392 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 295.16 Mbit/s
95th percentile per-packet one-way delay: 19.402 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 210.14 Mbit/s
95th percentile per-packet one-way delay: 19.228 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 157.38 Mbit/s
95th percentile per-packet one-way delay: 19.542 ms
Loss rate: 0.06%

Run 6: Report of LEDBAT — Data Link

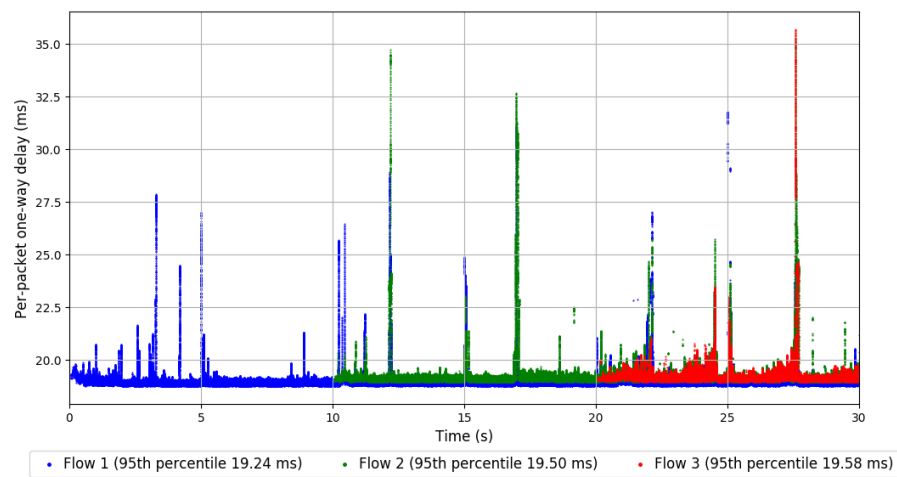
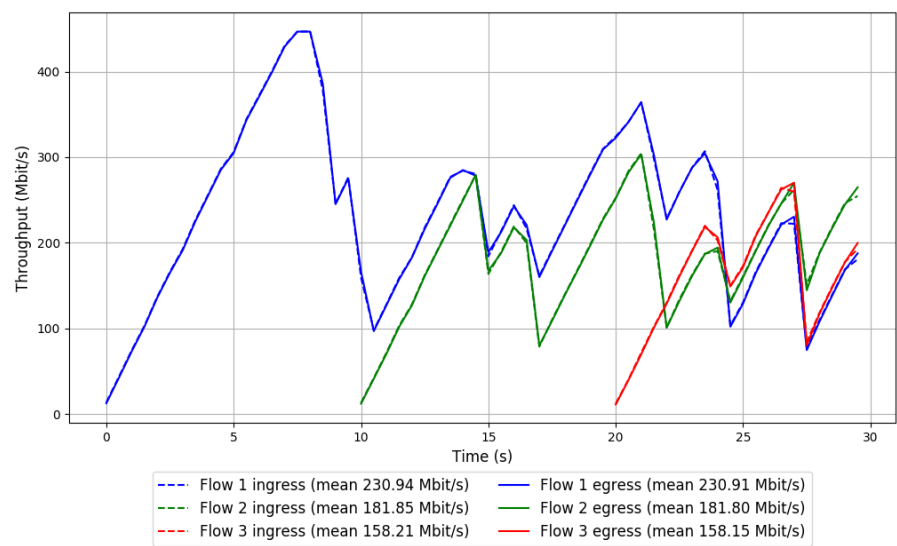


Run 7: Statistics of LEDBAT

Start at: 2017-11-30 23:20:55
End at: 2017-11-30 23:21:25
Local clock offset: 0.759 ms
Remote clock offset: -0.928 ms

Below is generated by plot.py at 2017-12-01 02:56:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.41 Mbit/s
95th percentile per-packet one-way delay: 19.412 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 230.91 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 181.80 Mbit/s
95th percentile per-packet one-way delay: 19.496 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 158.15 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

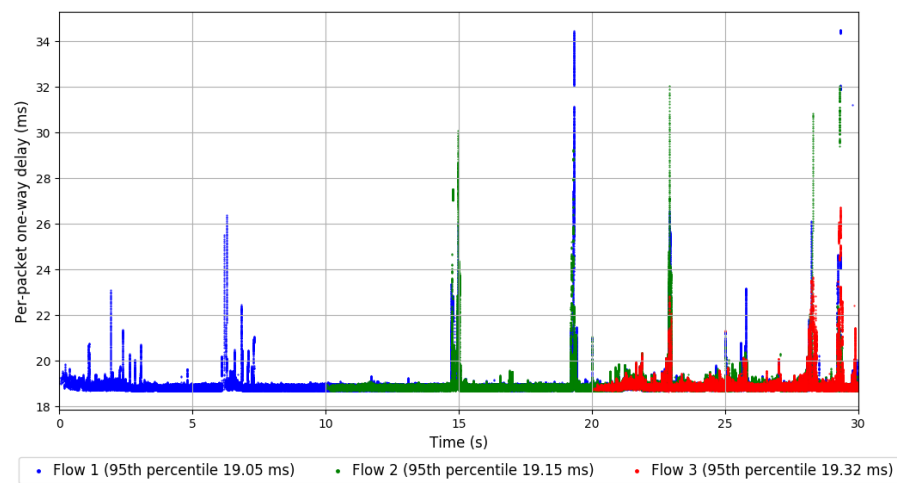
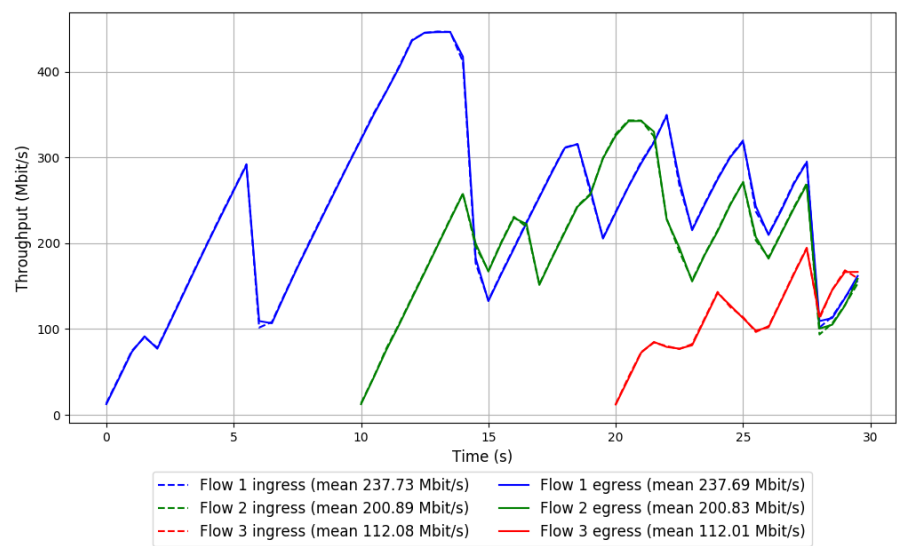


Run 8: Statistics of LEDBAT

Start at: 2017-11-30 23:41:11
End at: 2017-11-30 23:41:41
Local clock offset: 0.899 ms
Remote clock offset: -0.899 ms

Below is generated by plot.py at 2017-12-01 02:56:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.58 Mbit/s
95th percentile per-packet one-way delay: 19.104 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 237.69 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 200.83 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 112.01 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.06%

Run 8: Report of LEDBAT — Data Link

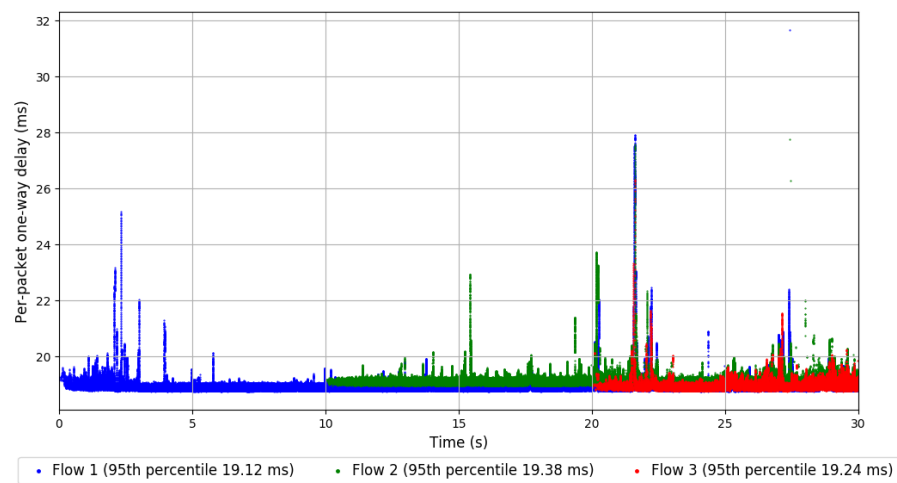
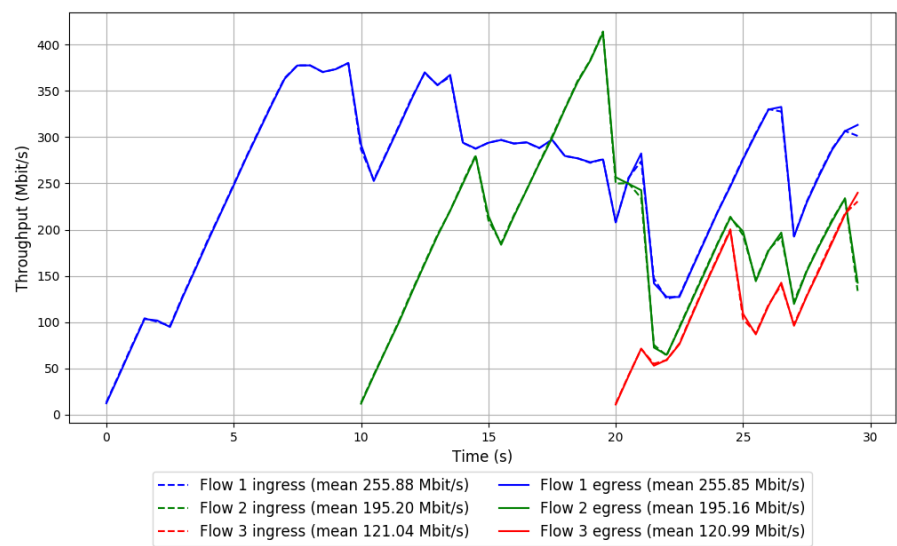


Run 9: Statistics of LEDBAT

Start at: 2017-12-01 00:01:24
End at: 2017-12-01 00:01:54
Local clock offset: 0.842 ms
Remote clock offset: -0.964 ms

Below is generated by plot.py at 2017-12-01 02:57:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.99 Mbit/s
95th percentile per-packet one-way delay: 19.268 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 255.85 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 195.16 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 120.99 Mbit/s
95th percentile per-packet one-way delay: 19.241 ms
Loss rate: 0.04%

Run 9: Report of LEDBAT — Data Link

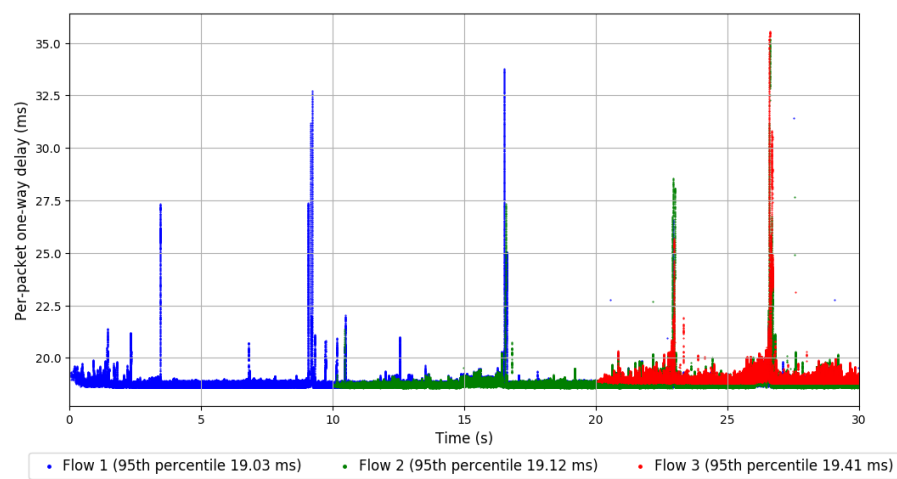
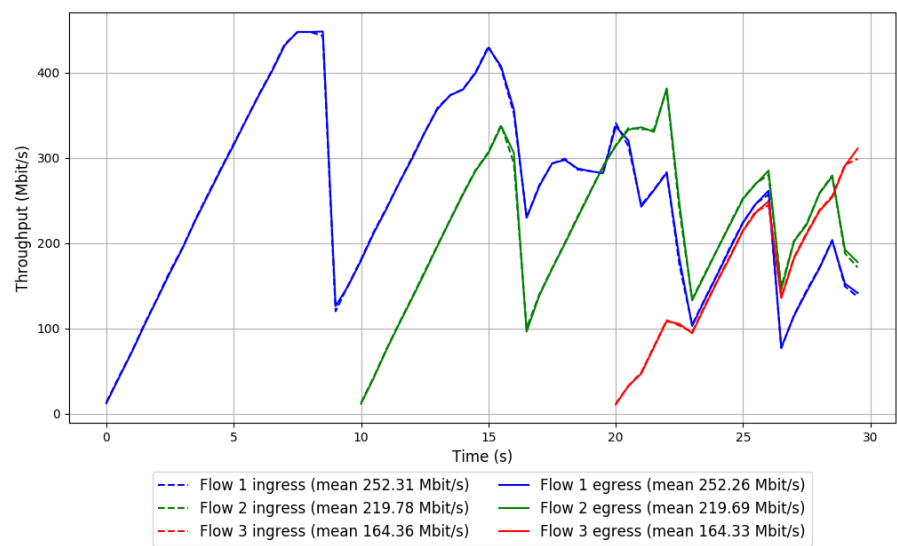


Run 10: Statistics of LEDBAT

Start at: 2017-12-01 00:21:46
End at: 2017-12-01 00:22:16
Local clock offset: 0.913 ms
Remote clock offset: -1.324 ms

Below is generated by plot.py at 2017-12-01 02:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.01 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 252.26 Mbit/s
95th percentile per-packet one-way delay: 19.026 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 219.69 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 164.33 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link

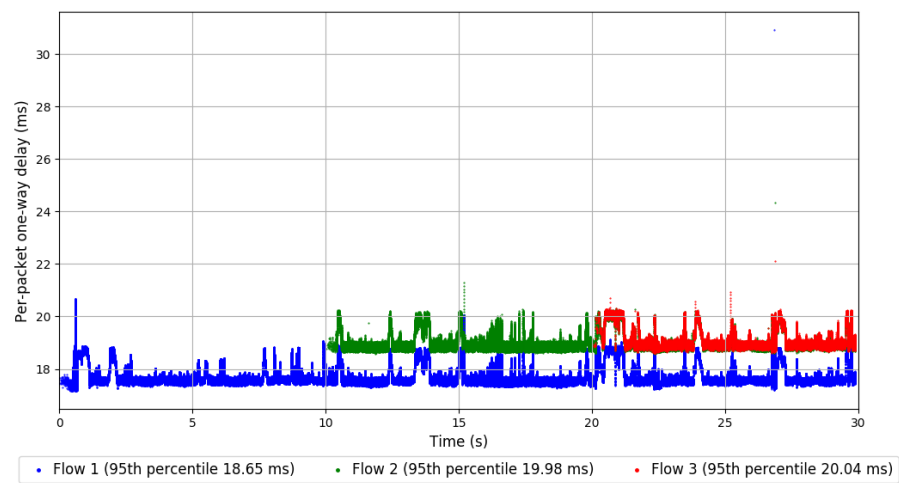
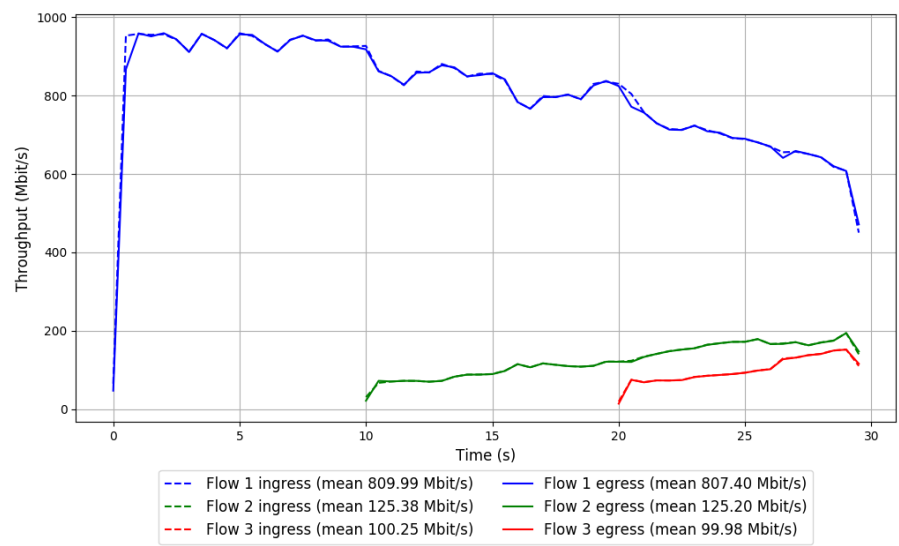


Run 1: Statistics of PCC

Start at: 2017-11-30 21:28:20
End at: 2017-11-30 21:28:50
Local clock offset: 0.158 ms
Remote clock offset: -0.855 ms

Below is generated by plot.py at 2017-12-01 03:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 923.45 Mbit/s
95th percentile per-packet one-way delay: 18.971 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 807.40 Mbit/s
95th percentile per-packet one-way delay: 18.654 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 125.20 Mbit/s
95th percentile per-packet one-way delay: 19.984 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 99.98 Mbit/s
95th percentile per-packet one-way delay: 20.043 ms
Loss rate: 0.26%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-11-30 21:48:15

End at: 2017-11-30 21:48:45

Local clock offset: 0.306 ms

Remote clock offset: -1.02 ms

Below is generated by plot.py at 2017-12-01 03:07:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 912.50 Mbit/s

95th percentile per-packet one-way delay: 20.140 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 812.70 Mbit/s

95th percentile per-packet one-way delay: 20.136 ms

Loss rate: 1.15%

-- Flow 2:

Average throughput: 111.76 Mbit/s

95th percentile per-packet one-way delay: 20.092 ms

Loss rate: 0.78%

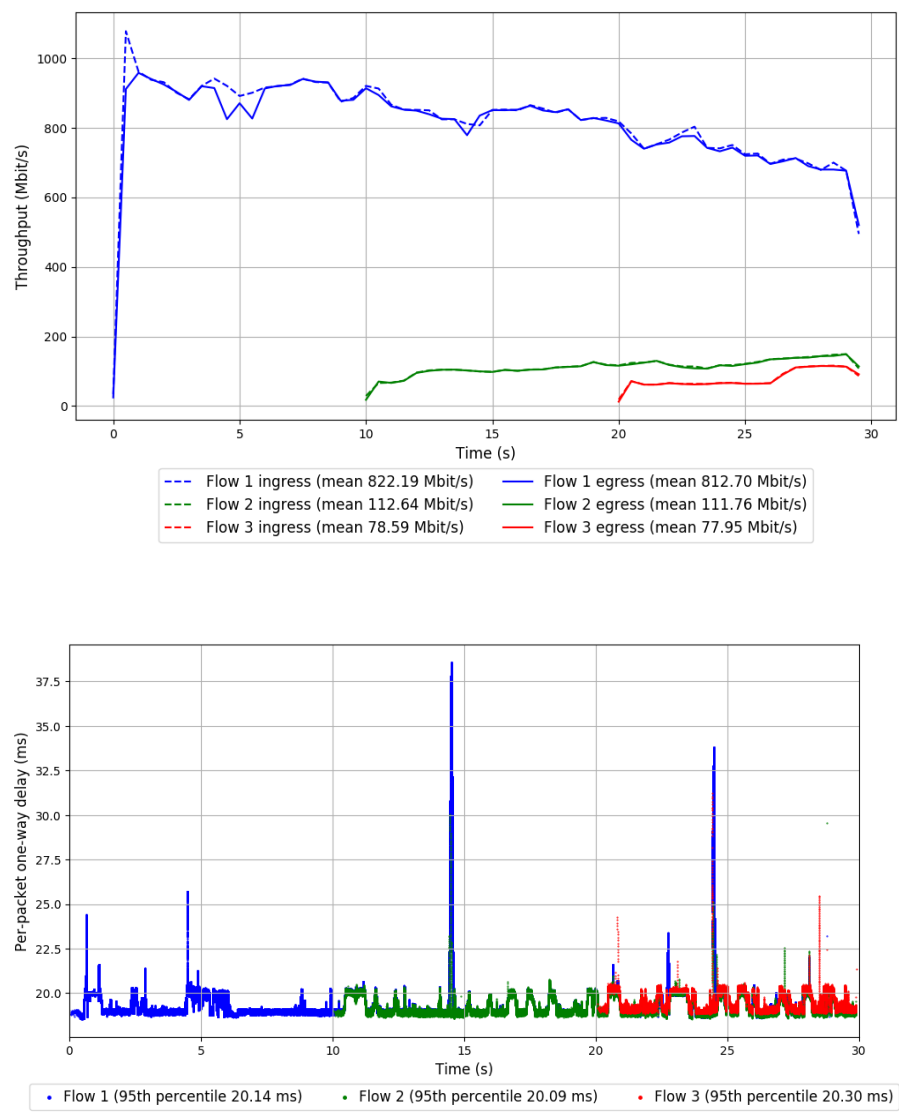
-- Flow 3:

Average throughput: 77.95 Mbit/s

95th percentile per-packet one-way delay: 20.303 ms

Loss rate: 0.80%

Run 2: Report of PCC — Data Link

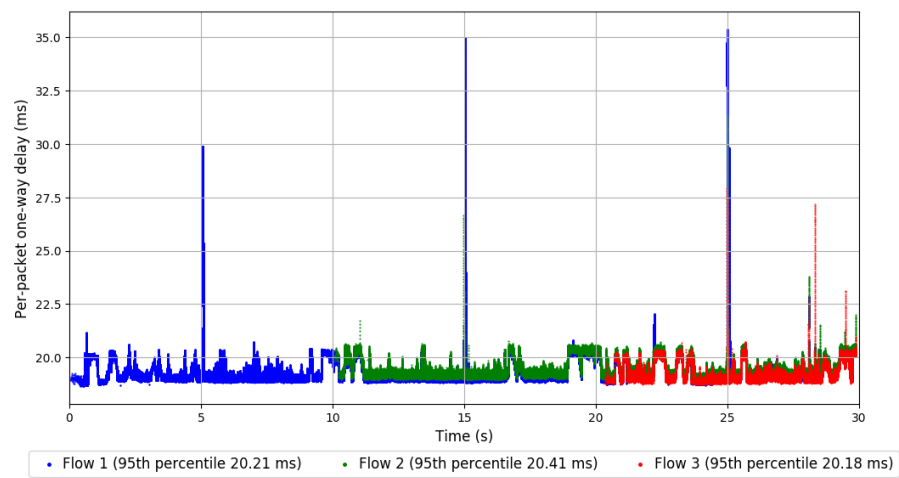
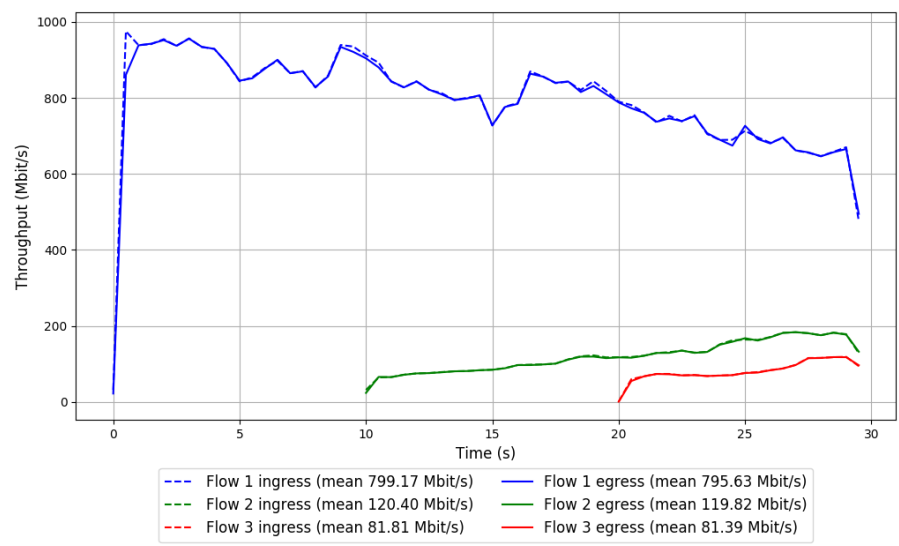


Run 3: Statistics of PCC

Start at: 2017-11-30 22:08:25
End at: 2017-11-30 22:08:55
Local clock offset: 0.521 ms
Remote clock offset: -0.915 ms

Below is generated by plot.py at 2017-12-01 03:07:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 902.07 Mbit/s
95th percentile per-packet one-way delay: 20.225 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 795.63 Mbit/s
95th percentile per-packet one-way delay: 20.213 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 119.82 Mbit/s
95th percentile per-packet one-way delay: 20.408 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 20.180 ms
Loss rate: 0.51%

Run 3: Report of PCC — Data Link

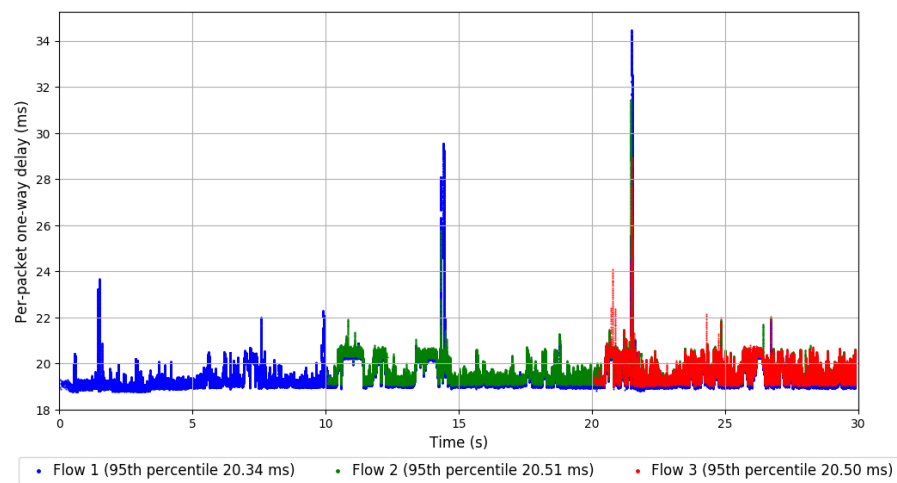
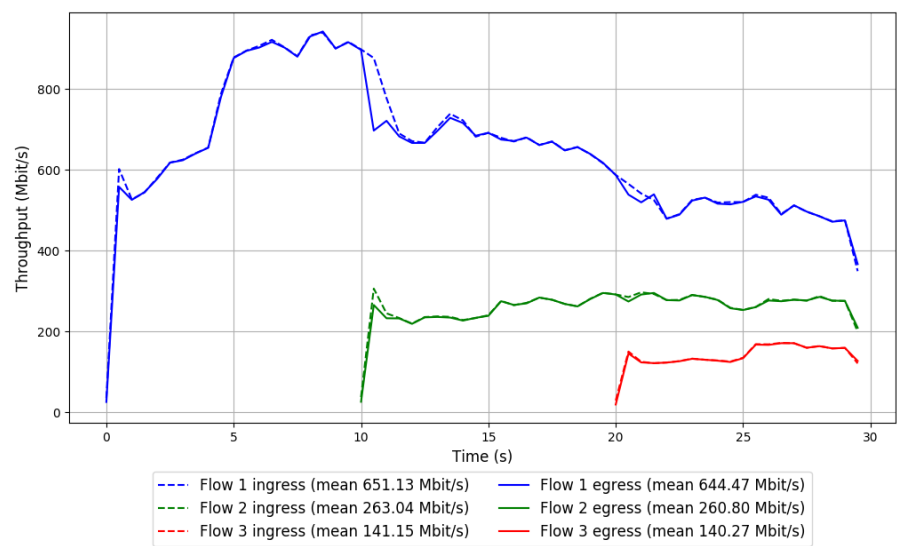


Run 4: Statistics of PCC

Start at: 2017-11-30 22:28:48
End at: 2017-11-30 22:29:18
Local clock offset: 0.58 ms
Remote clock offset: -0.964 ms

Below is generated by plot.py at 2017-12-01 03:08:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 864.08 Mbit/s
95th percentile per-packet one-way delay: 20.393 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 644.47 Mbit/s
95th percentile per-packet one-way delay: 20.339 ms
Loss rate: 1.02%
-- Flow 2:
Average throughput: 260.80 Mbit/s
95th percentile per-packet one-way delay: 20.508 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 140.27 Mbit/s
95th percentile per-packet one-way delay: 20.495 ms
Loss rate: 0.61%

Run 4: Report of PCC — Data Link

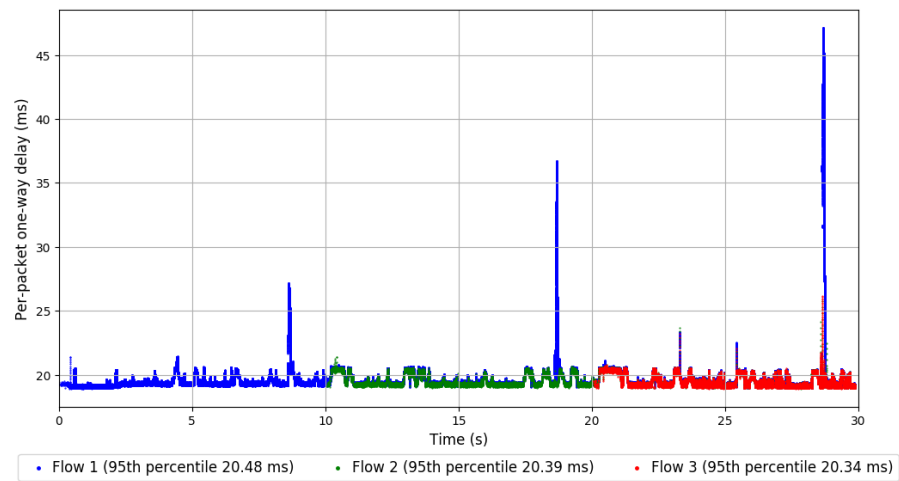
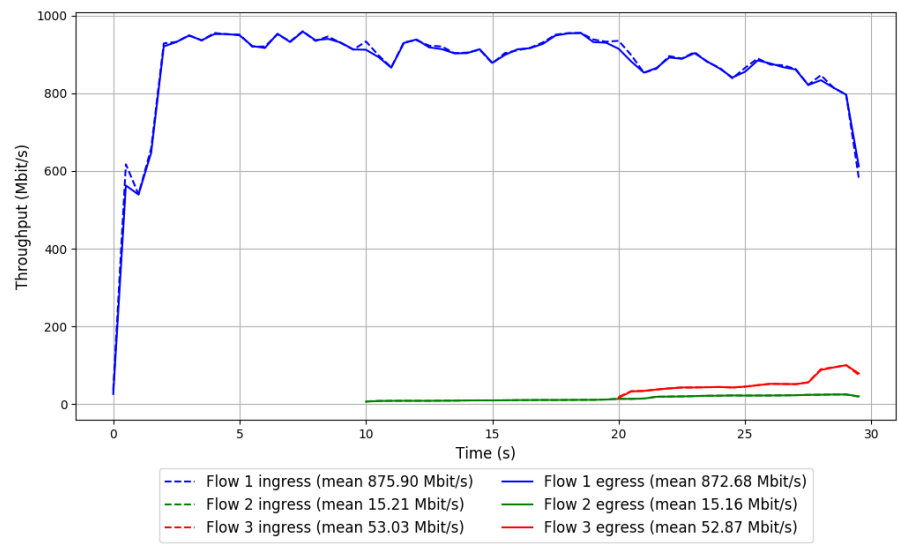


Run 5: Statistics of PCC

Start at: 2017-11-30 22:49:11
End at: 2017-11-30 22:49:41
Local clock offset: 0.709 ms
Remote clock offset: -0.916 ms

Below is generated by plot.py at 2017-12-01 03:09:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 900.18 Mbit/s
95th percentile per-packet one-way delay: 20.474 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 872.68 Mbit/s
95th percentile per-packet one-way delay: 20.475 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 15.16 Mbit/s
95th percentile per-packet one-way delay: 20.385 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 20.345 ms
Loss rate: 0.30%

Run 5: Report of PCC — Data Link

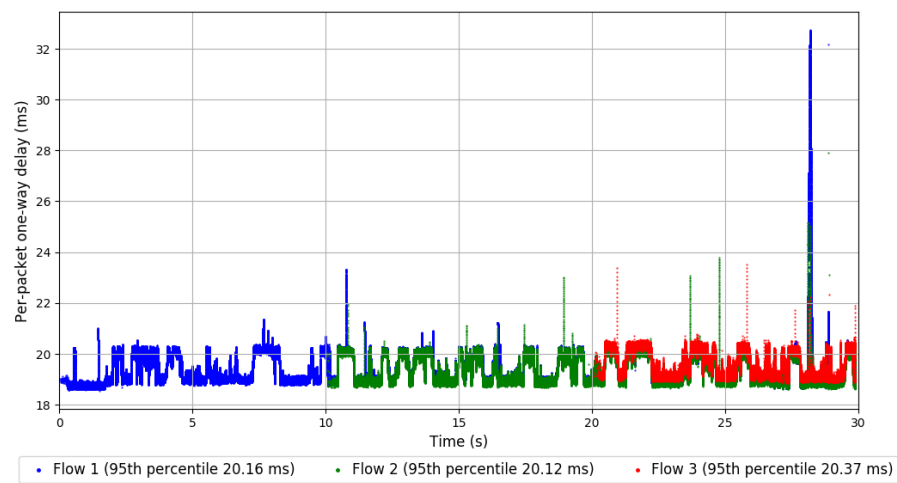
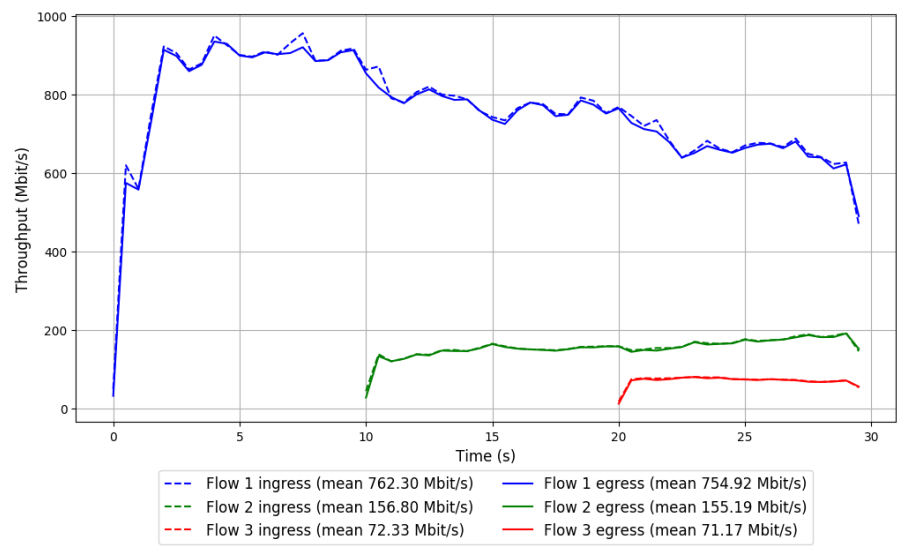


Run 6: Statistics of PCC

Start at: 2017-11-30 23:09:27
End at: 2017-11-30 23:09:57
Local clock offset: 0.834 ms
Remote clock offset: -1.056 ms

Below is generated by plot.py at 2017-12-01 03:09:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 881.51 Mbit/s
95th percentile per-packet one-way delay: 20.166 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 754.92 Mbit/s
95th percentile per-packet one-way delay: 20.164 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 155.19 Mbit/s
95th percentile per-packet one-way delay: 20.125 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 71.17 Mbit/s
95th percentile per-packet one-way delay: 20.367 ms
Loss rate: 1.62%

Run 6: Report of PCC — Data Link

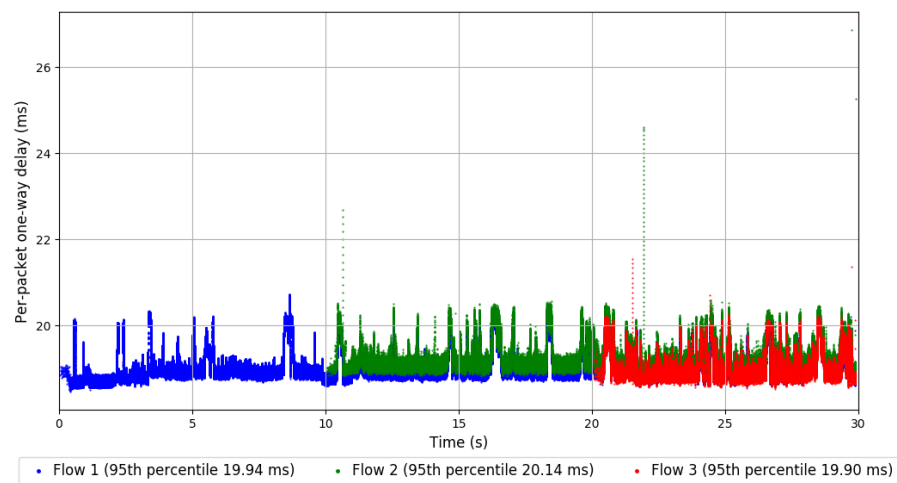
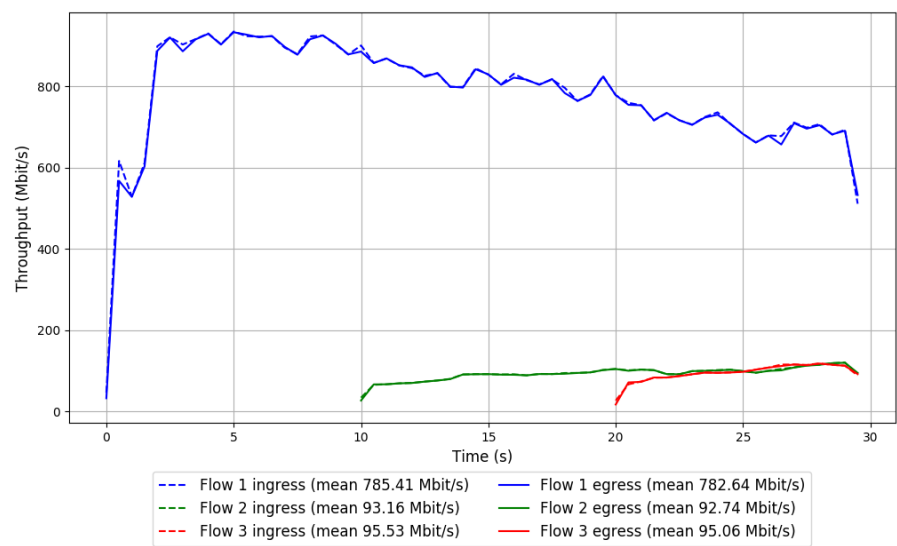


Run 7: Statistics of PCC

Start at: 2017-11-30 23:29:53
End at: 2017-11-30 23:30:23
Local clock offset: 0.887 ms
Remote clock offset: -0.912 ms

Below is generated by plot.py at 2017-12-01 03:10:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 875.50 Mbit/s
95th percentile per-packet one-way delay: 19.950 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 782.64 Mbit/s
95th percentile per-packet one-way delay: 19.942 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 20.140 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 19.897 ms
Loss rate: 0.50%

Run 7: Report of PCC — Data Link

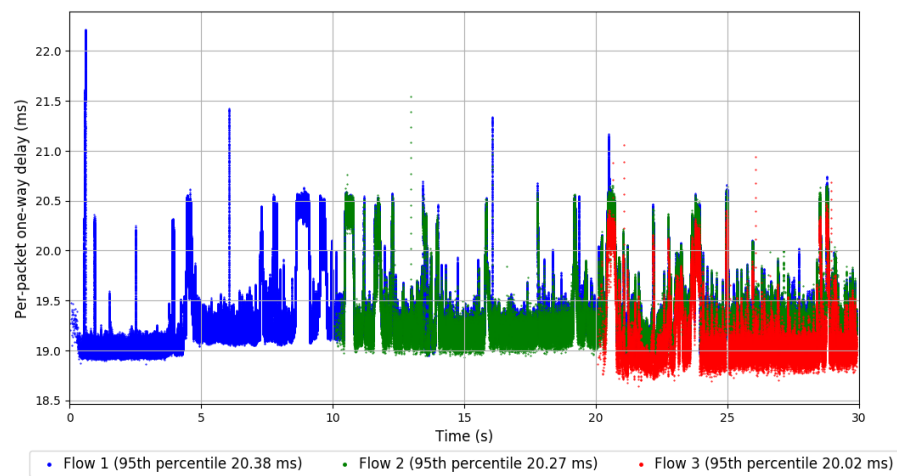
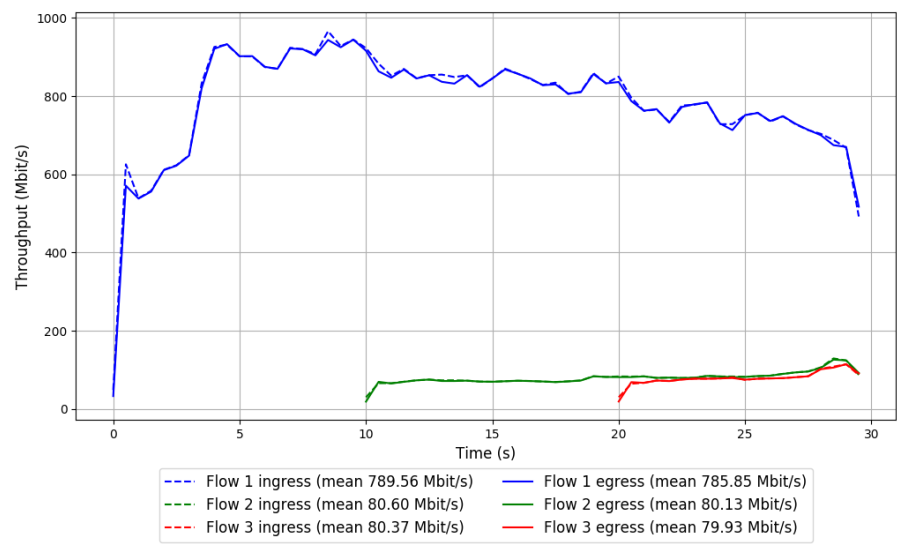


Run 8: Statistics of PCC

Start at: 2017-11-30 23:50:02
End at: 2017-11-30 23:50:32
Local clock offset: 0.829 ms
Remote clock offset: -1.042 ms

Below is generated by plot.py at 2017-12-01 03:10:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 865.46 Mbit/s
95th percentile per-packet one-way delay: 20.367 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 785.85 Mbit/s
95th percentile per-packet one-way delay: 20.378 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 80.13 Mbit/s
95th percentile per-packet one-way delay: 20.267 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 79.93 Mbit/s
95th percentile per-packet one-way delay: 20.023 ms
Loss rate: 0.55%

Run 8: Report of PCC — Data Link

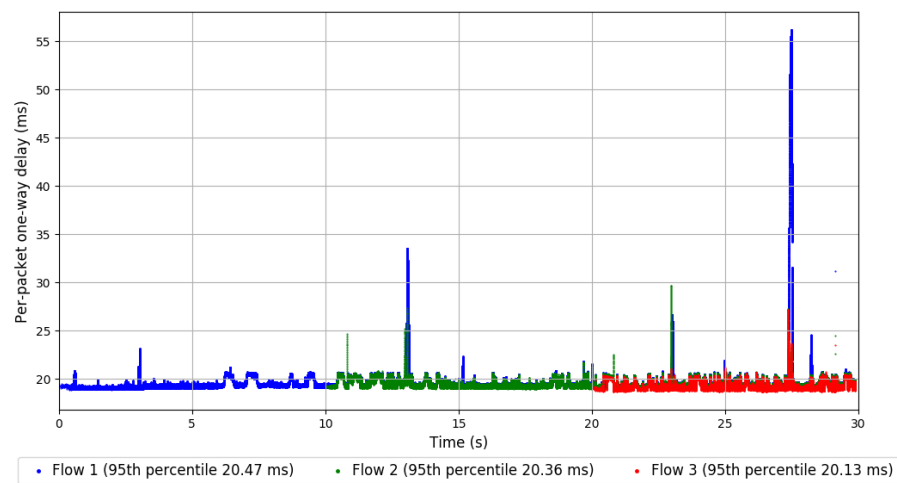
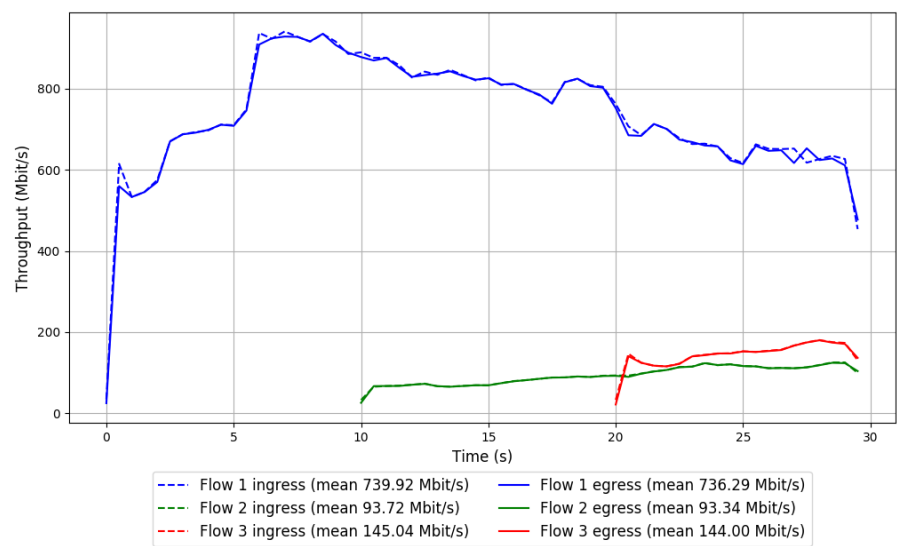


Run 9: Statistics of PCC

Start at: 2017-12-01 00:10:22
End at: 2017-12-01 00:10:52
Local clock offset: 0.842 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 845.80 Mbit/s
95th percentile per-packet one-way delay: 20.461 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 736.29 Mbit/s
95th percentile per-packet one-way delay: 20.472 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 93.34 Mbit/s
95th percentile per-packet one-way delay: 20.357 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 144.00 Mbit/s
95th percentile per-packet one-way delay: 20.130 ms
Loss rate: 0.72%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

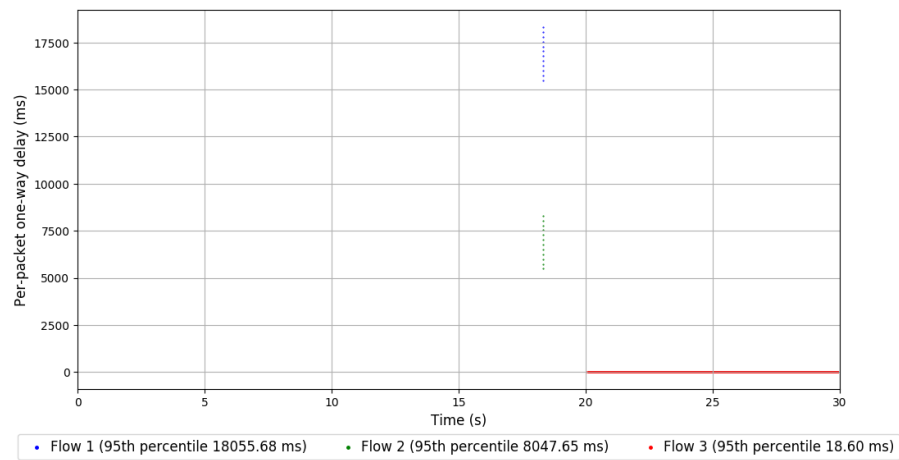
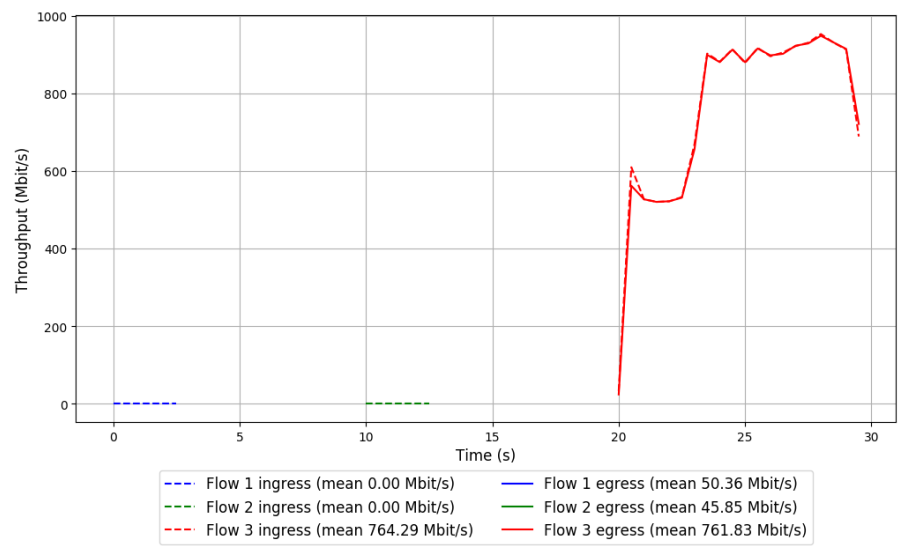
Start at: 2017-12-01 00:30:47

End at: 2017-12-01 00:31:17

Local clock offset: 0.929 ms

Remote clock offset: -1.347 ms

Run 10: Report of PCC — Data Link

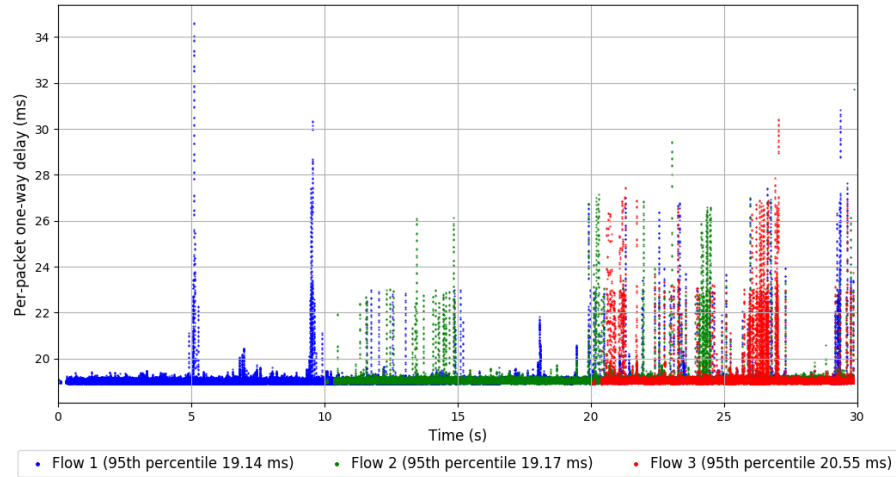
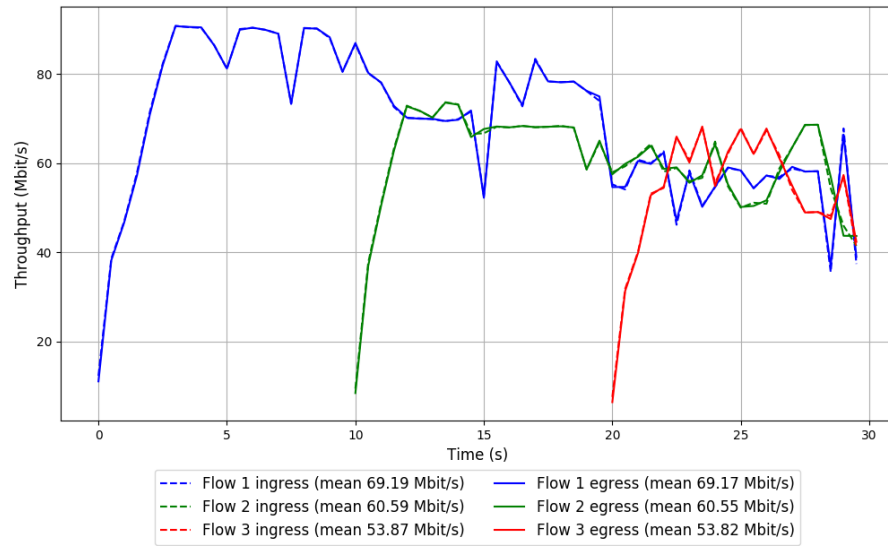


Run 1: Statistics of QUIC Cubic

Start at: 2017-11-30 21:33:10
End at: 2017-11-30 21:33:40
Local clock offset: 0.092 ms
Remote clock offset: -0.876 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.08 Mbit/s
95th percentile per-packet one-way delay: 19.167 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.82 Mbit/s
95th percentile per-packet one-way delay: 20.550 ms
Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link

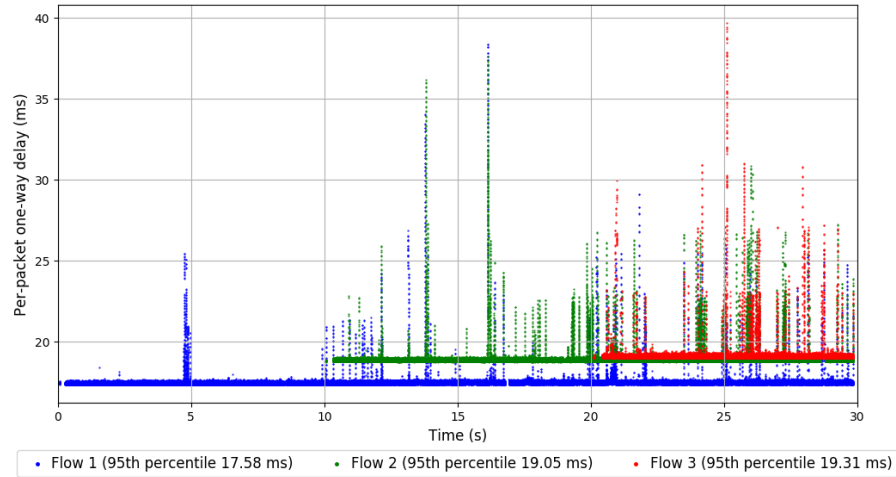
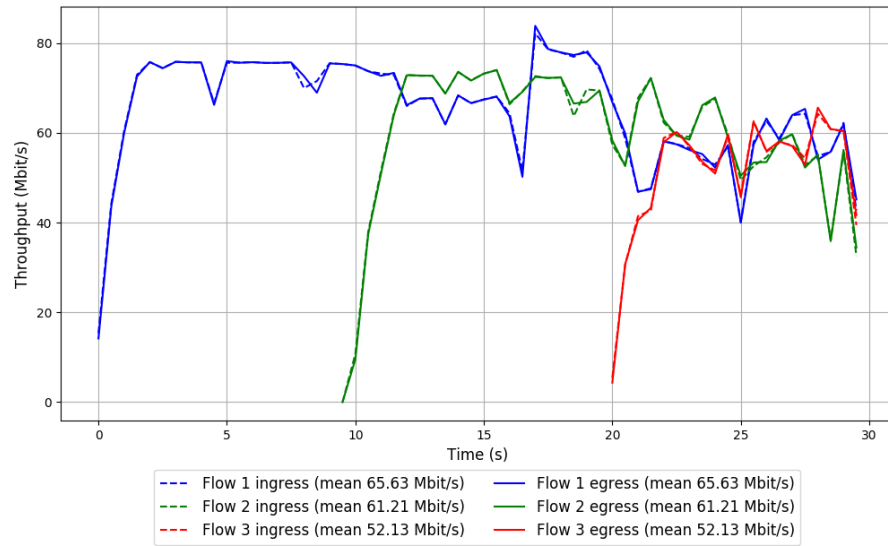


Run 2: Statistics of QUIC Cubic

Start at: 2017-11-30 21:53:00
End at: 2017-11-30 21:53:30
Local clock offset: 0.253 ms
Remote clock offset: -0.867 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.42 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.63 Mbit/s
95th percentile per-packet one-way delay: 17.577 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.21 Mbit/s
95th percentile per-packet one-way delay: 19.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

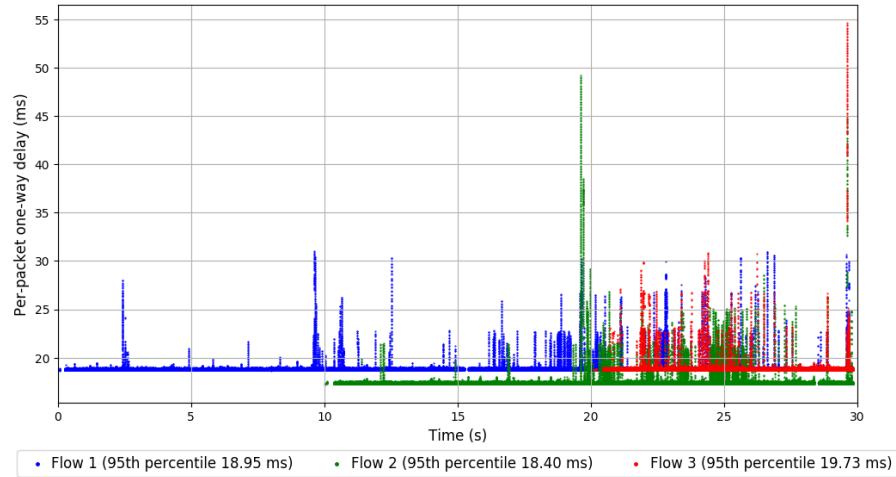
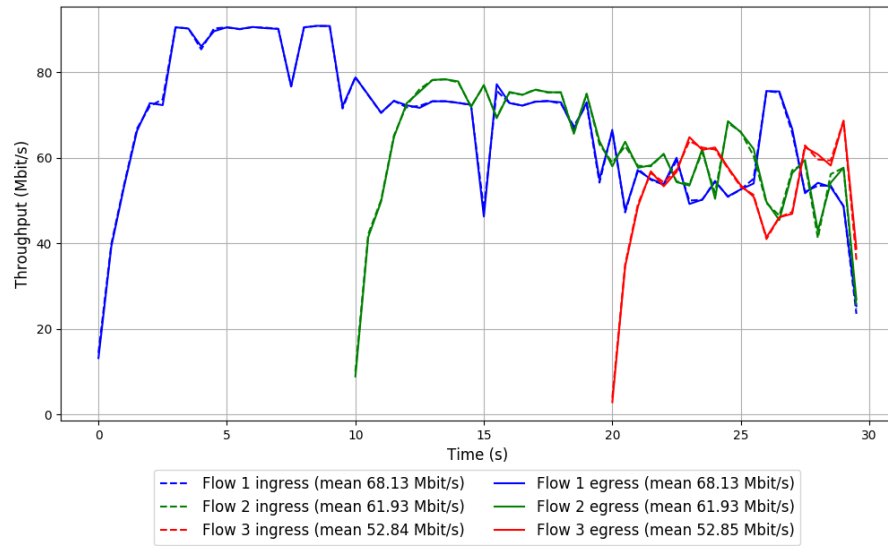


Run 3: Statistics of QUIC Cubic

Start at: 2017-11-30 22:13:15
End at: 2017-11-30 22:13:45
Local clock offset: 0.466 ms
Remote clock offset: -1.126 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.52 Mbit/s
95th percentile per-packet one-way delay: 18.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 18.950 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.93 Mbit/s
95th percentile per-packet one-way delay: 18.402 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.85 Mbit/s
95th percentile per-packet one-way delay: 19.728 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

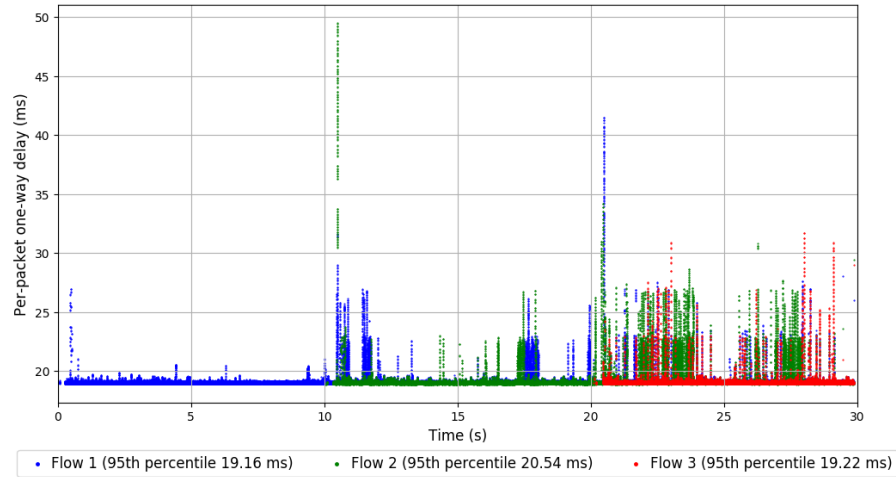
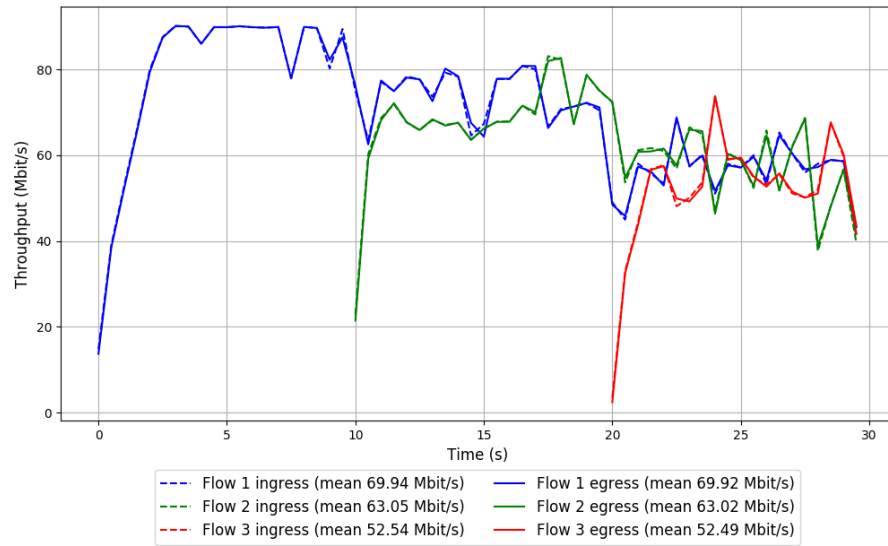


Run 4: Statistics of QUIC Cubic

Start at: 2017-11-30 22:33:34
End at: 2017-11-30 22:34:04
Local clock offset: 0.617 ms
Remote clock offset: -1.068 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.93 Mbit/s
95th percentile per-packet one-way delay: 19.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.92 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 20.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 19.221 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

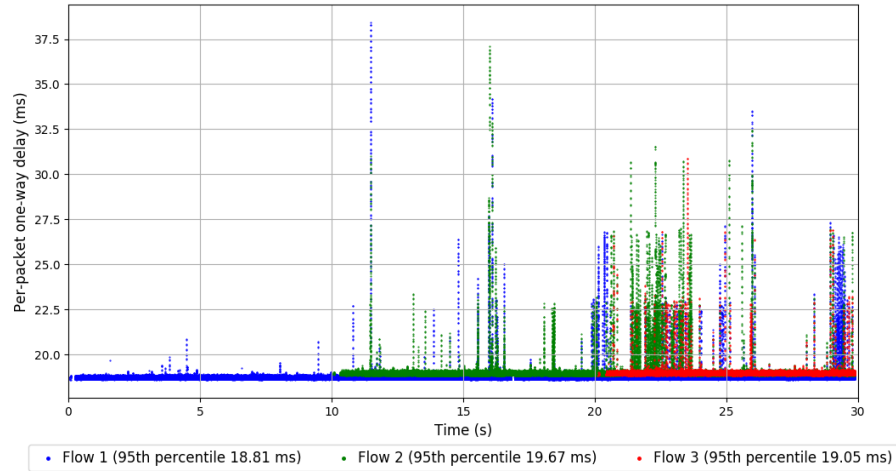
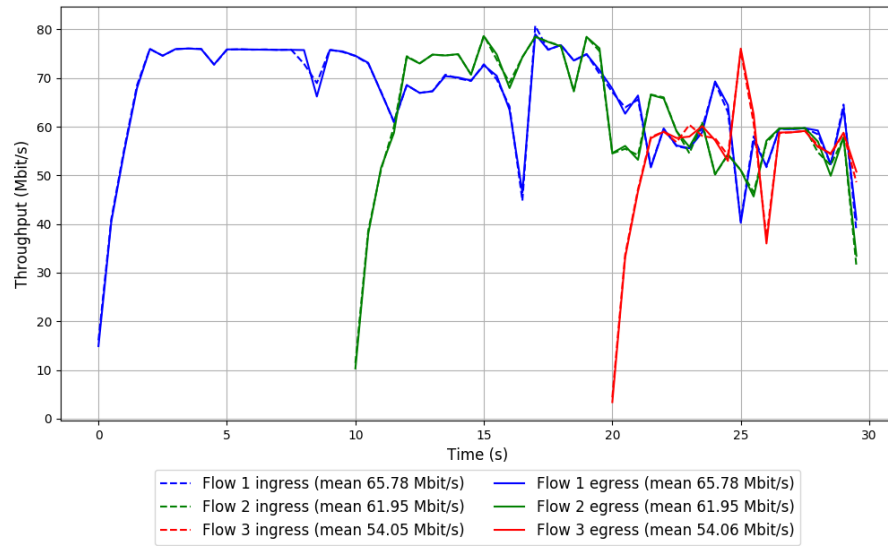


Run 5: Statistics of QUIC Cubic

Start at: 2017-11-30 22:53:59
End at: 2017-11-30 22:54:29
Local clock offset: 0.796 ms
Remote clock offset: -0.932 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.65 Mbit/s
95th percentile per-packet one-way delay: 19.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.78 Mbit/s
95th percentile per-packet one-way delay: 18.814 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 19.674 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.06 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

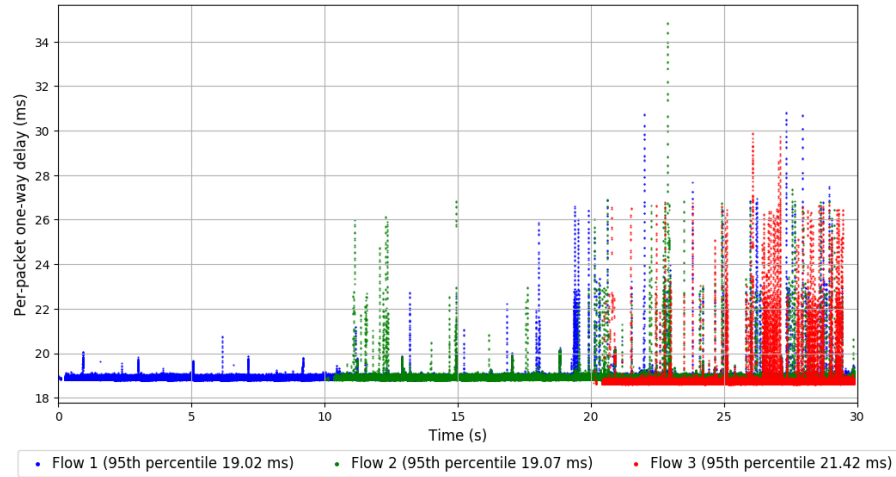
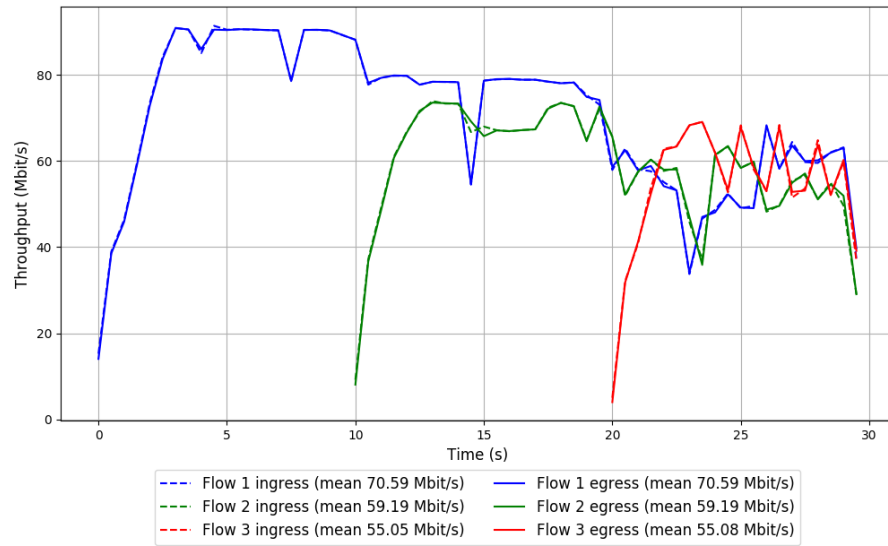


Run 6: Statistics of QUIC Cubic

Start at: 2017-11-30 23:14:18
End at: 2017-11-30 23:14:48
Local clock offset: 0.839 ms
Remote clock offset: -1.068 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.93 Mbit/s
95th percentile per-packet one-way delay: 19.071 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.19 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 21.418 ms
Loss rate: 0.01%

Run 6: Report of QUIC Cubic — Data Link

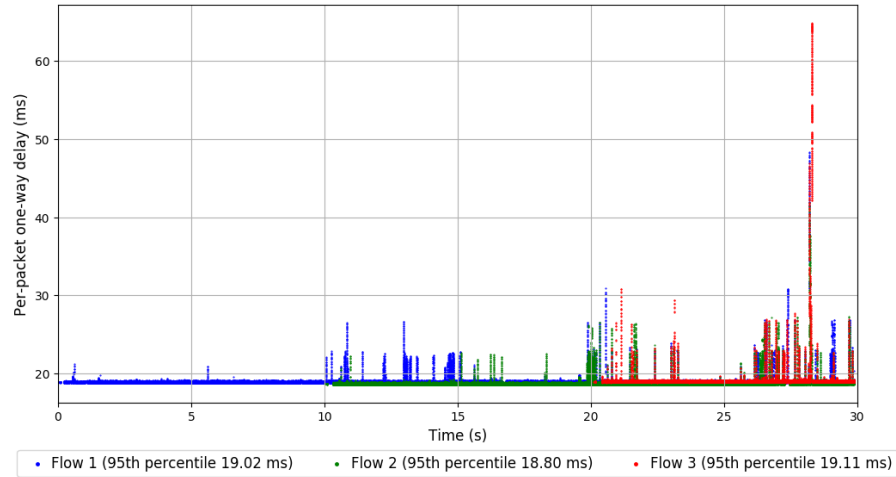
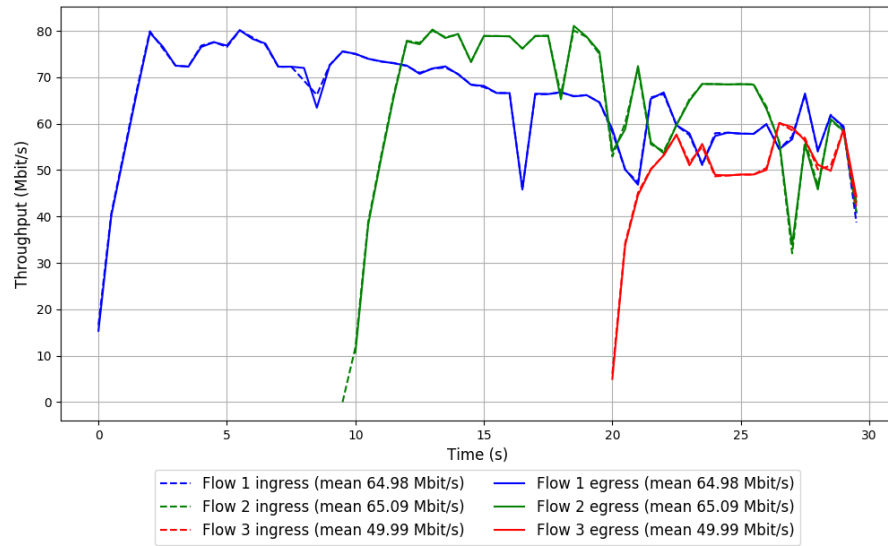


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-30 23:34:39
End at: 2017-11-30 23:35:09
Local clock offset: 0.895 ms
Remote clock offset: -0.929 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.63 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.09 Mbit/s
95th percentile per-packet one-way delay: 18.798 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 19.107 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

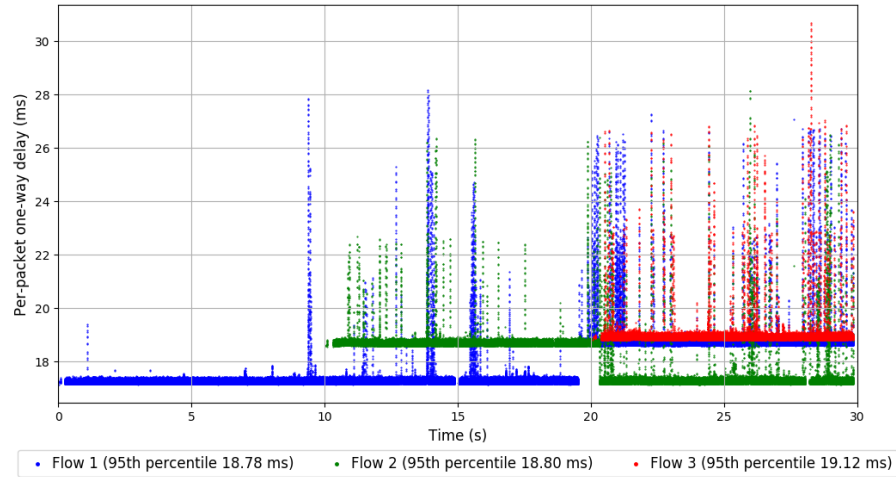
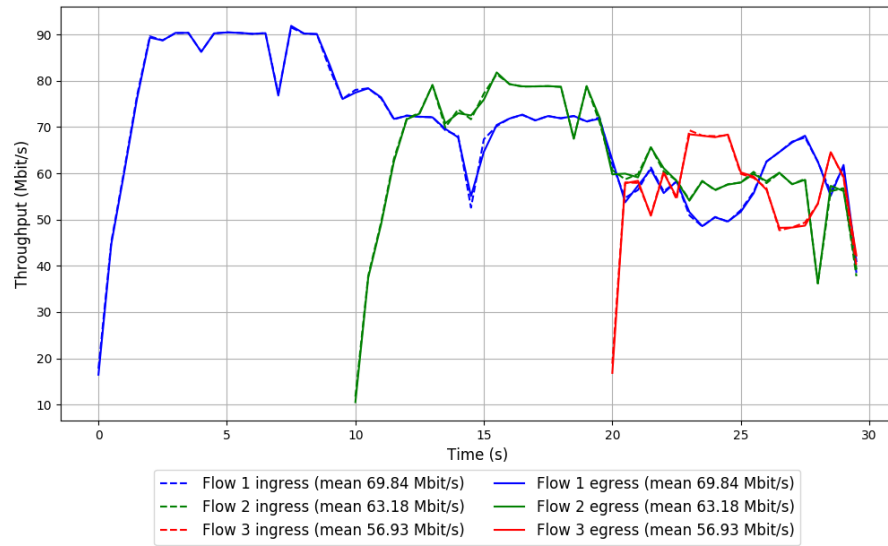


Run 8: Statistics of QUIC Cubic

Start at: 2017-11-30 23:54:50
End at: 2017-11-30 23:55:20
Local clock offset: 0.926 ms
Remote clock offset: -1.052 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 130.43 Mbit/s
95th percentile per-packet one-way delay: 18.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 18.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 18.799 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

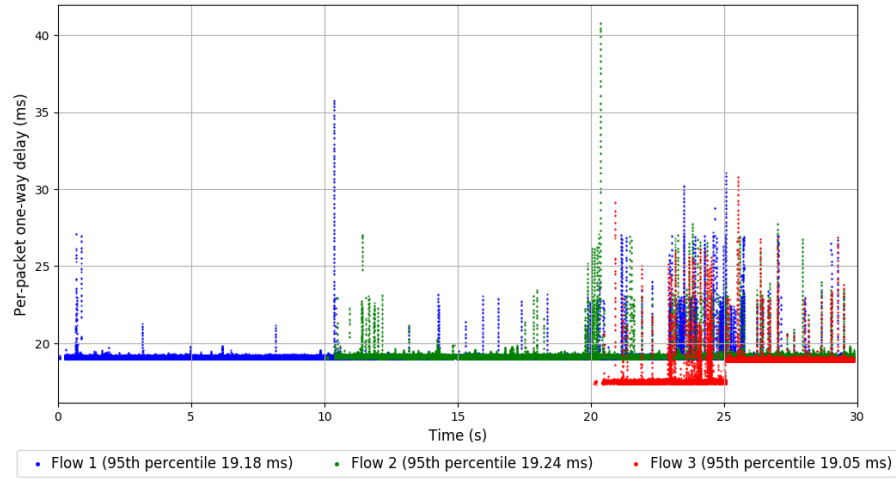
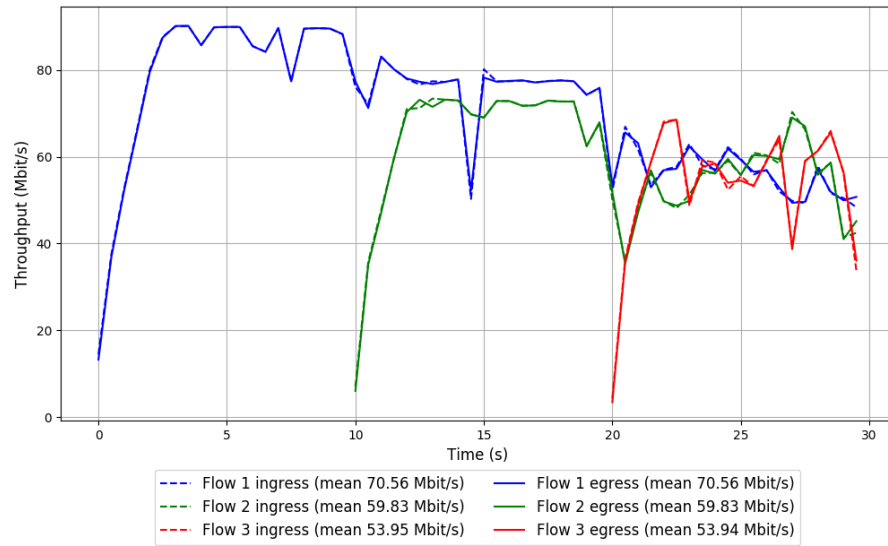


Run 9: Statistics of QUIC Cubic

Start at: 2017-12-01 00:15:09
End at: 2017-12-01 00:15:39
Local clock offset: 0.806 ms
Remote clock offset: -1.235 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.91 Mbit/s
95th percentile per-packet one-way delay: 19.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.56 Mbit/s
95th percentile per-packet one-way delay: 19.185 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.83 Mbit/s
95th percentile per-packet one-way delay: 19.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.94 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

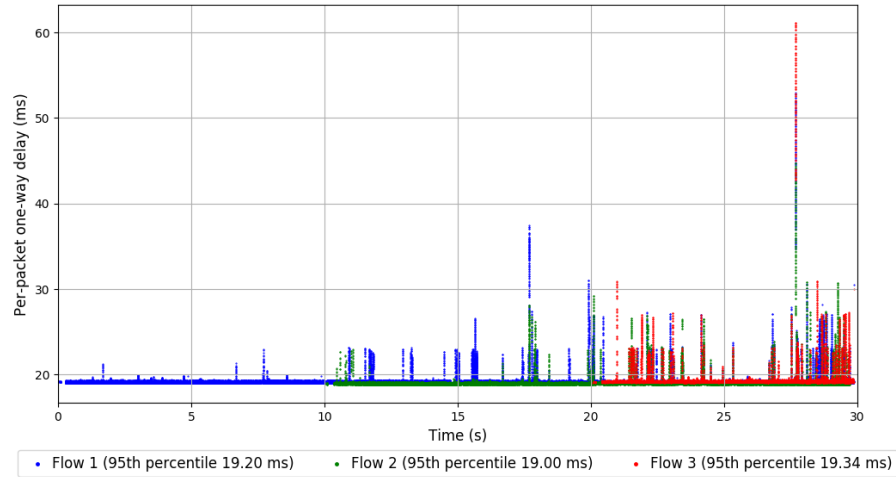
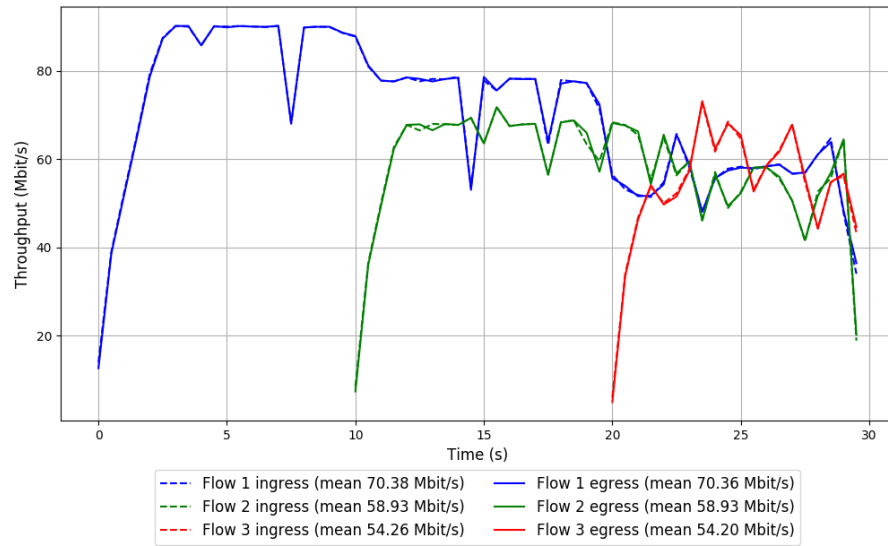


Run 10: Statistics of QUIC Cubic

Start at: 2017-12-01 00:35:12
End at: 2017-12-01 00:35:42
Local clock offset: 0.832 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.96 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.36 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 19.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 19.343 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

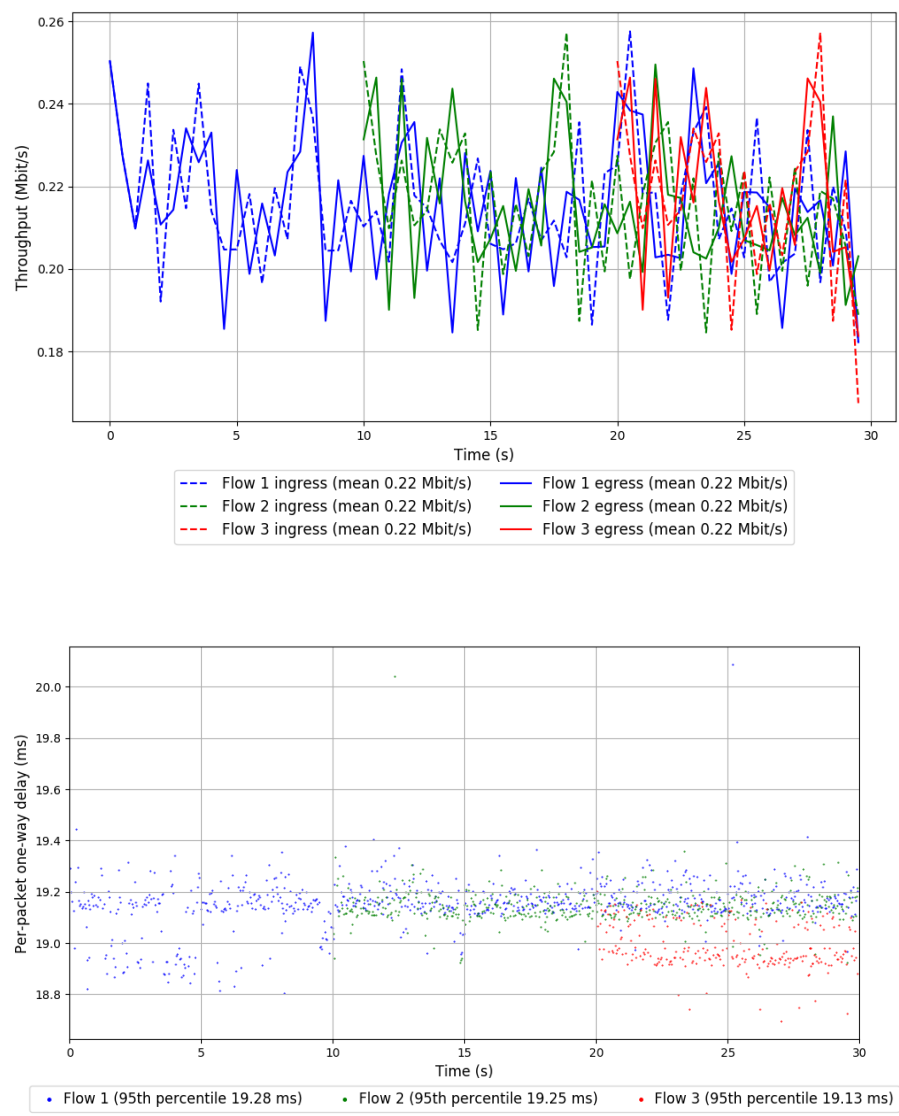


```
Run 1: Statistics of SReAM

Start at: 2017-11-30 21:18:22
End at: 2017-11-30 21:18:53
Local clock offset: 0.088 ms
Remote clock offset: -0.843 ms

# Below is generated by plot.py at 2017-12-01 03:18:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.280 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

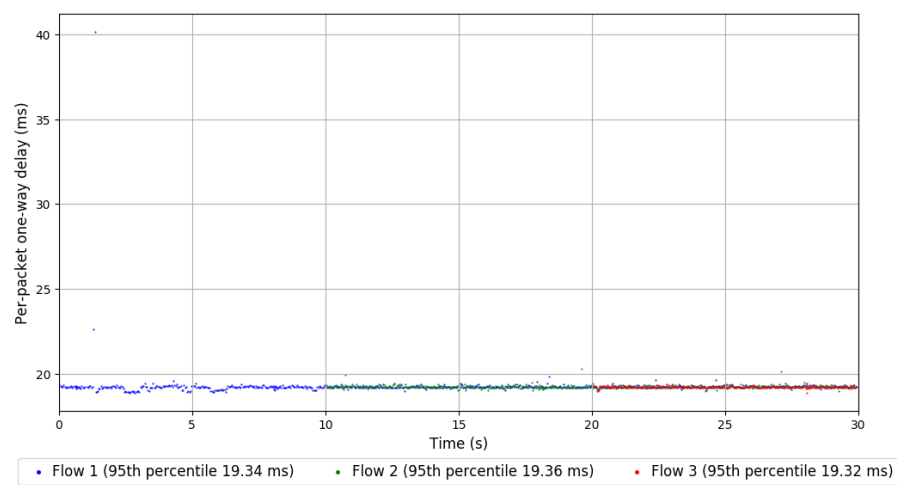
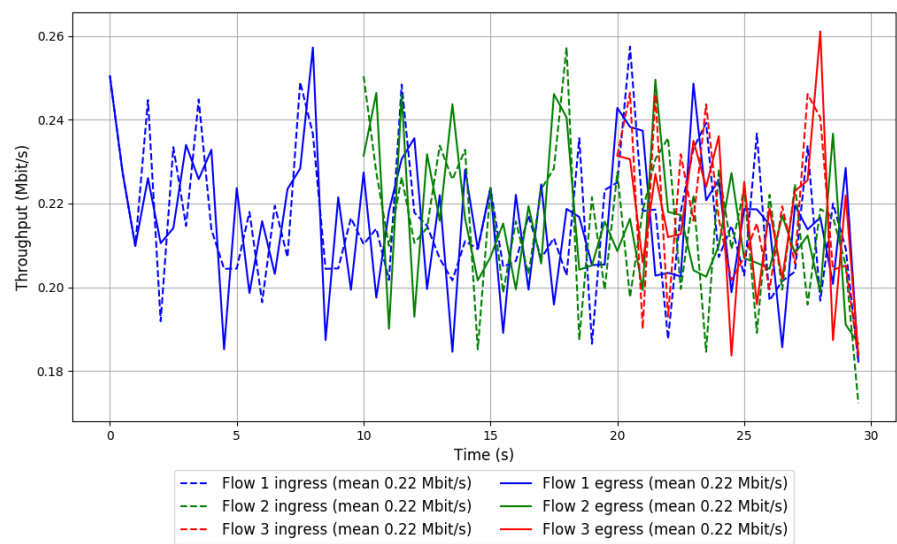


Run 2: Statistics of SReAM

Start at: 2017-11-30 21:38:29
End at: 2017-11-30 21:38:59
Local clock offset: 0.197 ms
Remote clock offset: -0.891 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.340 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.316 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

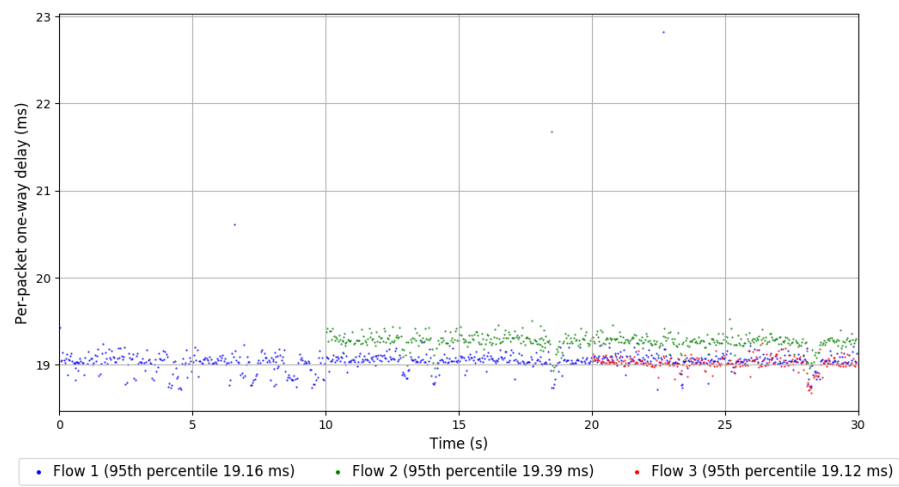
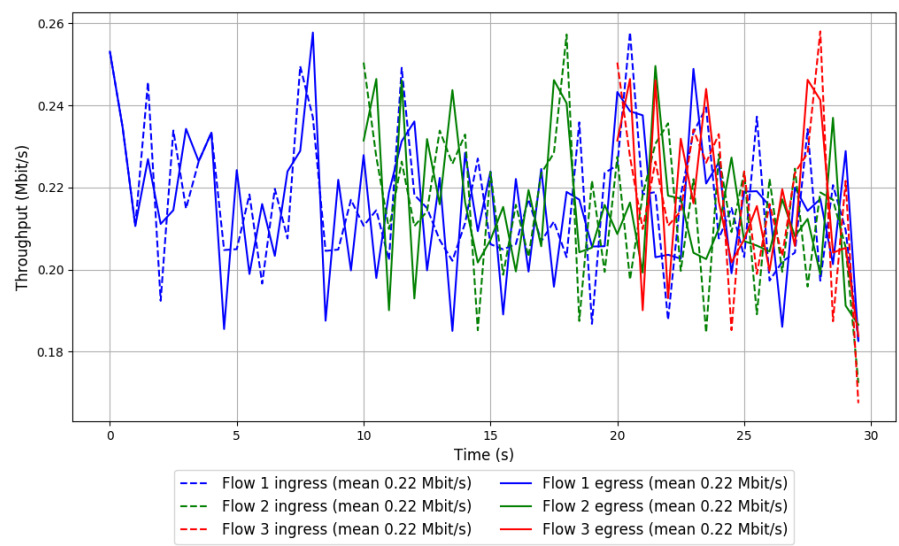


Run 3: Statistics of SReAM

Start at: 2017-11-30 21:58:22
End at: 2017-11-30 21:58:52
Local clock offset: 0.328 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.163 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

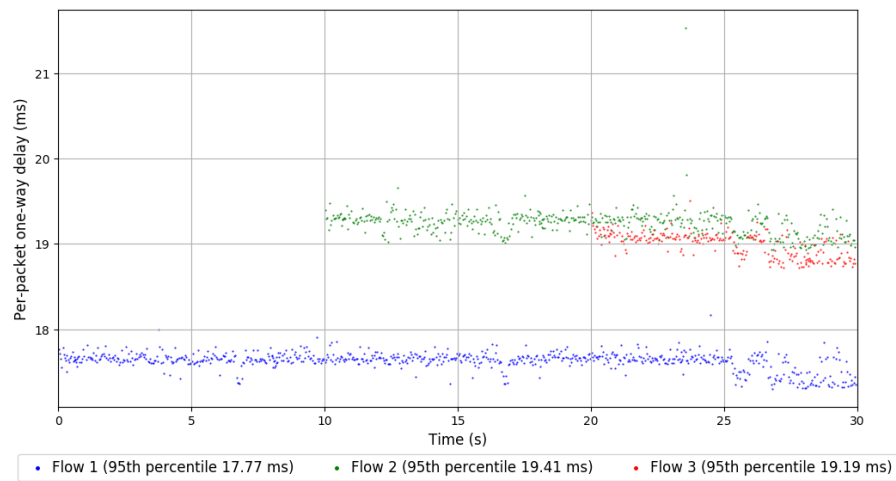
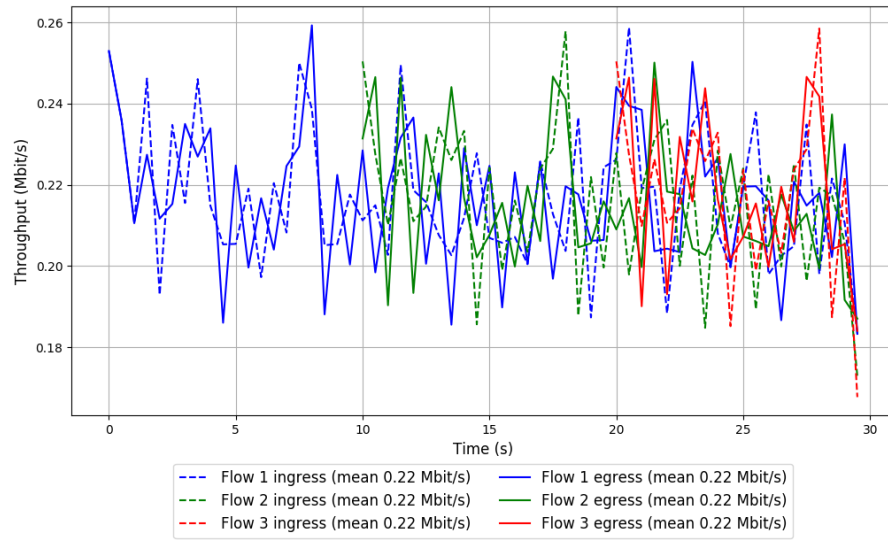


Run 4: Statistics of SReAM

Start at: 2017-11-30 22:18:43
End at: 2017-11-30 22:19:13
Local clock offset: 0.507 ms
Remote clock offset: -1.098 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.771 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

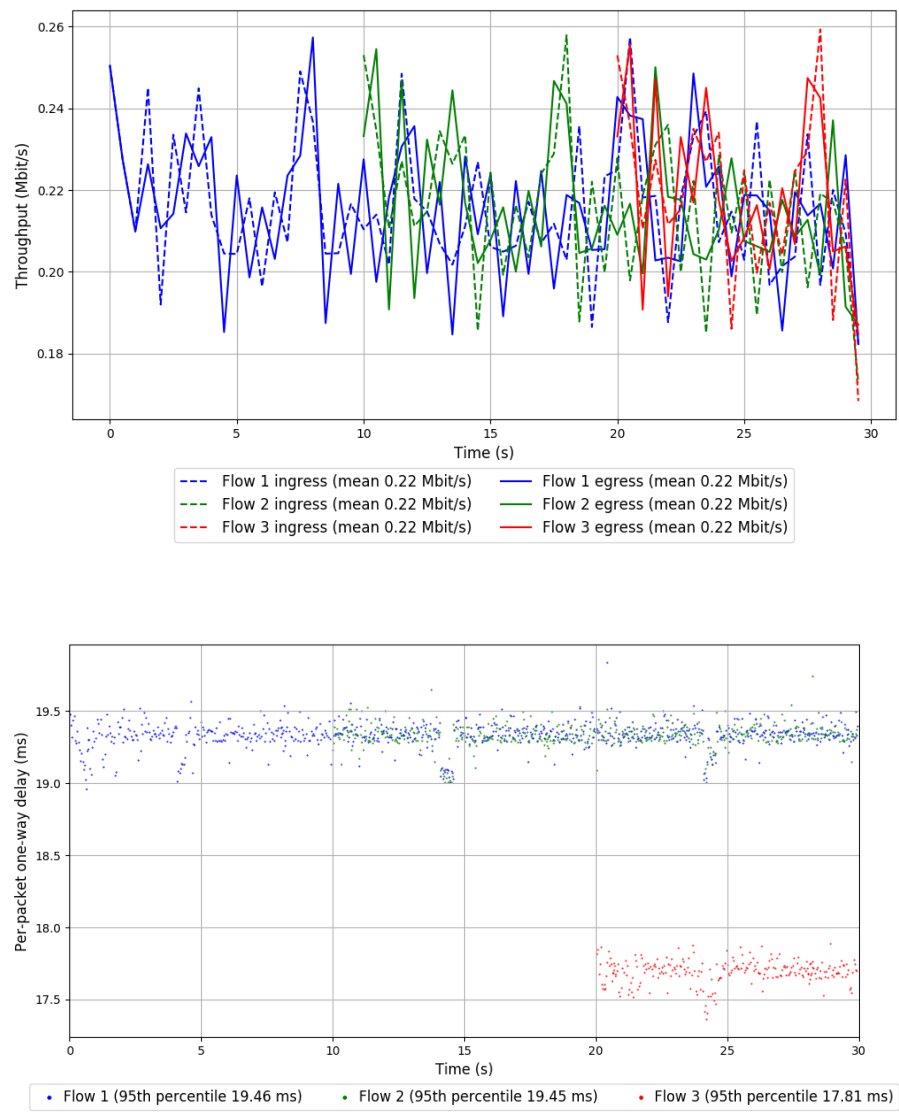


Run 5: Statistics of SReAM

Start at: 2017-11-30 22:38:56
End at: 2017-11-30 22:39:26
Local clock offset: 0.639 ms
Remote clock offset: -0.946 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.456 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.454 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.814 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

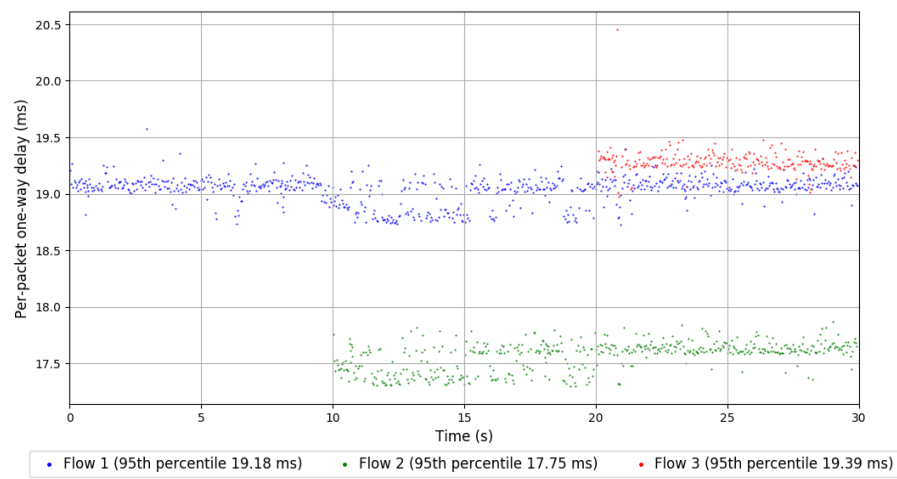
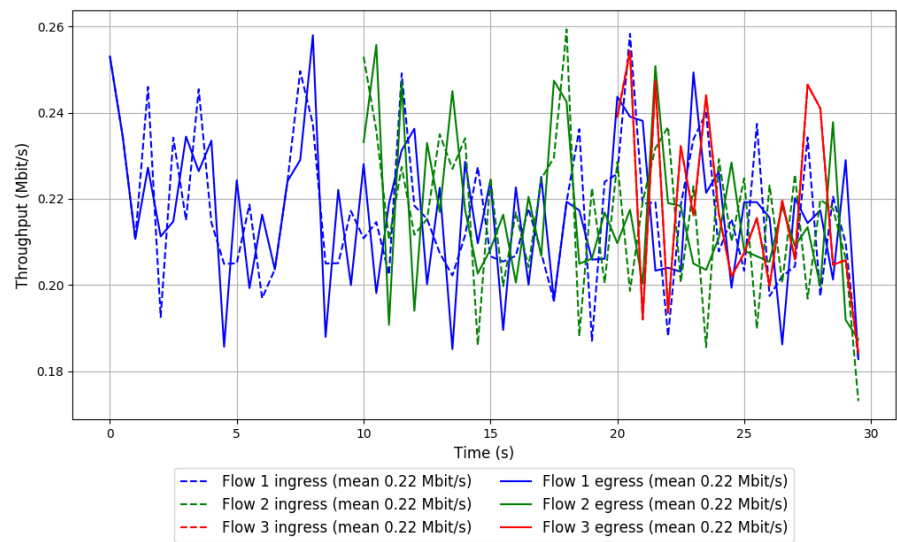


Run 6: Statistics of SReAM

Start at: 2017-11-30 22:59:19
End at: 2017-11-30 22:59:49
Local clock offset: 0.726 ms
Remote clock offset: -0.968 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

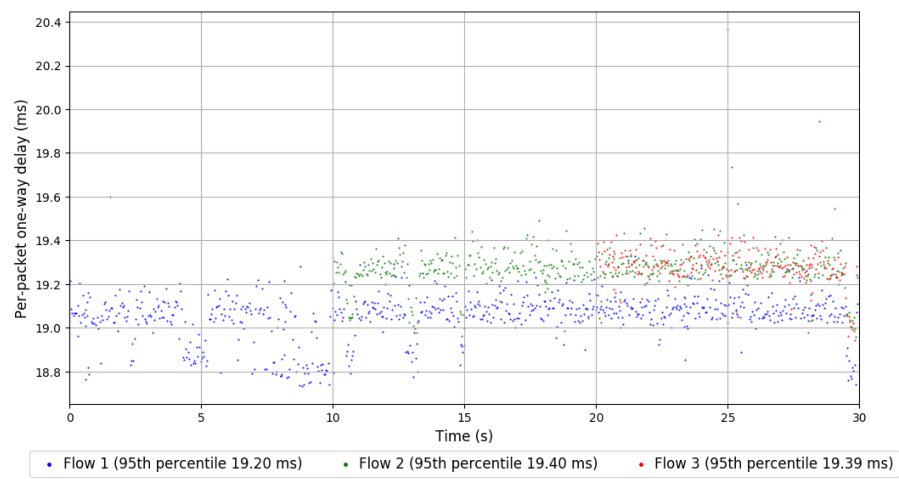
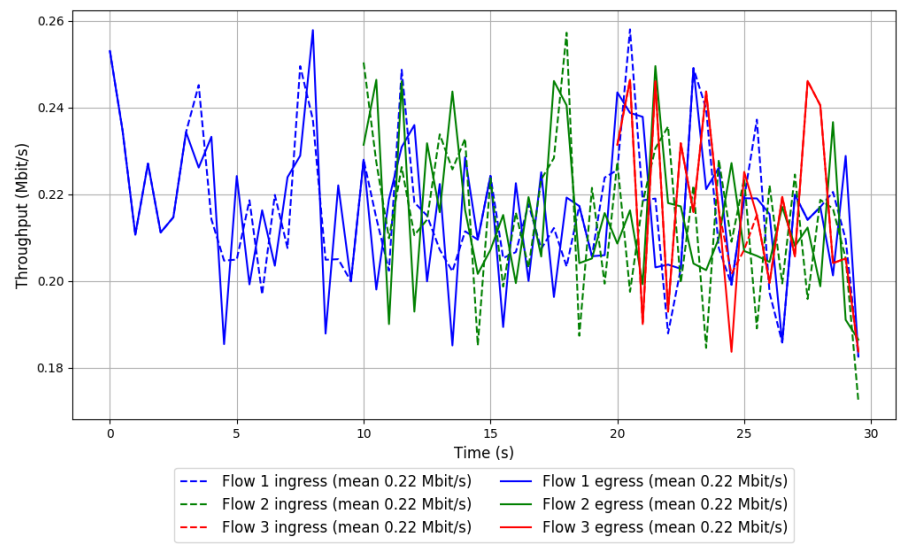


Run 7: Statistics of SReAM

Start at: 2017-11-30 23:19:44
End at: 2017-11-30 23:20:14
Local clock offset: 0.767 ms
Remote clock offset: -0.981 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.401 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.392 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

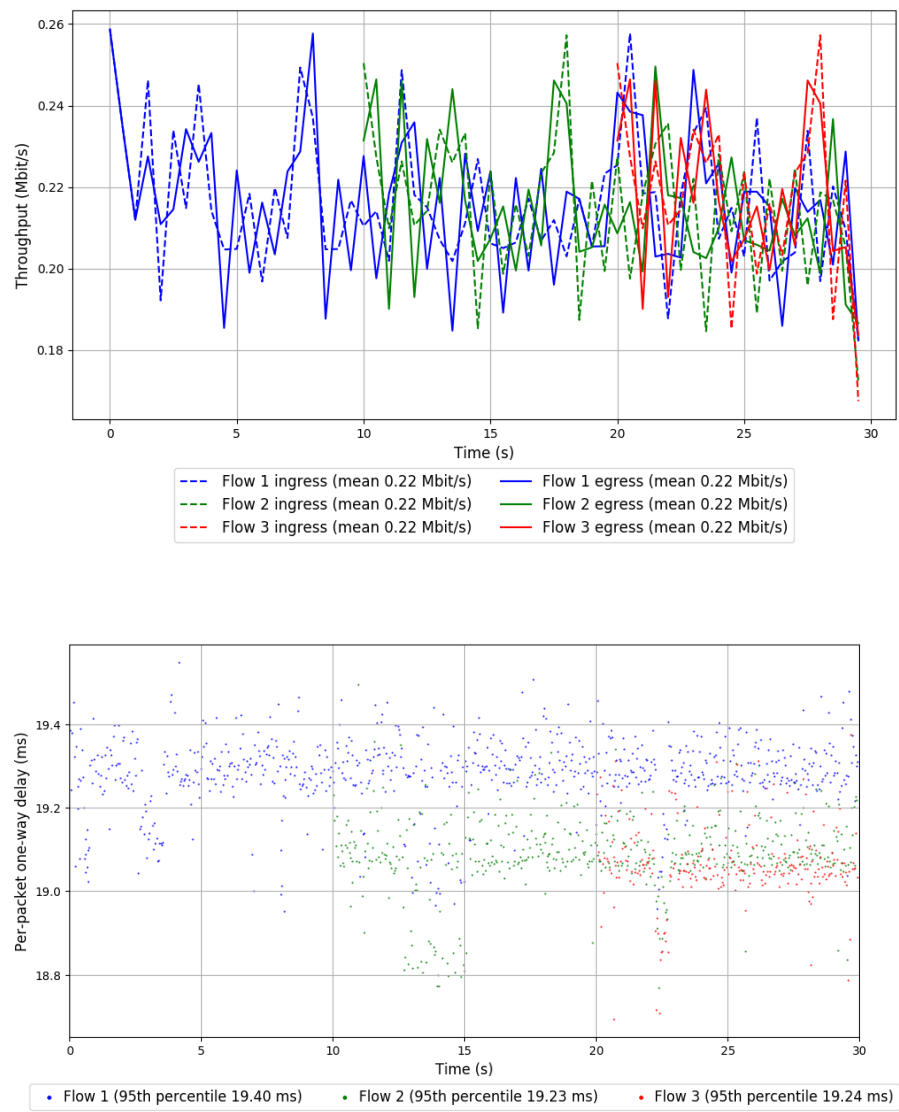


Run 8: Statistics of SReAM

Start at: 2017-11-30 23:40:00
End at: 2017-11-30 23:40:30
Local clock offset: 0.798 ms
Remote clock offset: -0.947 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.403 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.239 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

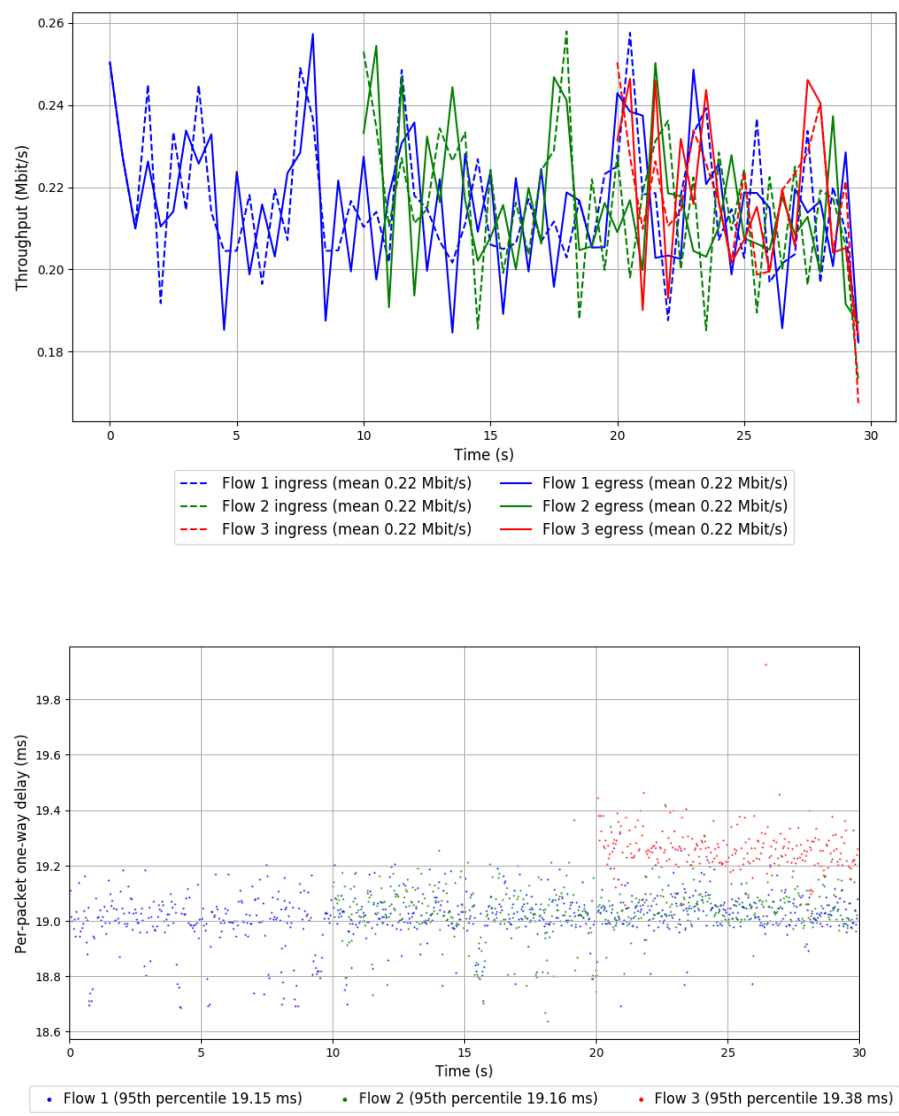


Run 9: Statistics of SReAM

Start at: 2017-12-01 00:00:14
End at: 2017-12-01 00:00:44
Local clock offset: 0.934 ms
Remote clock offset: -0.969 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.149 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: 19.380 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

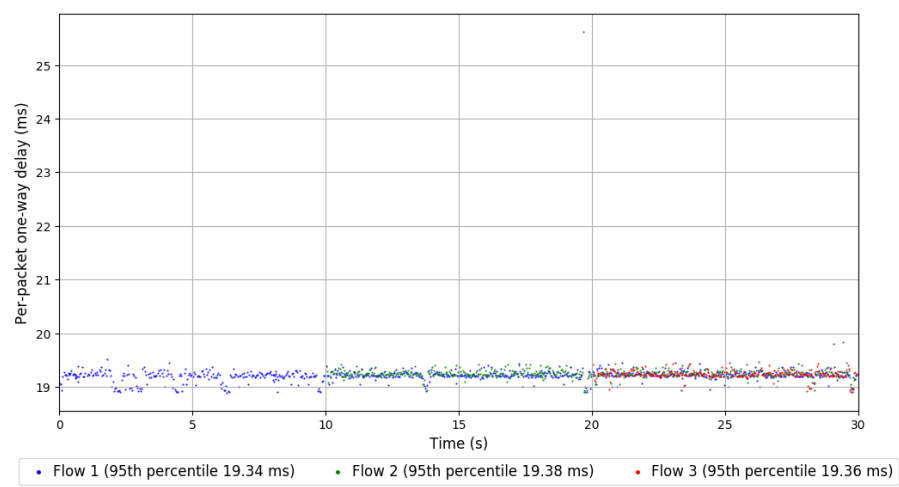
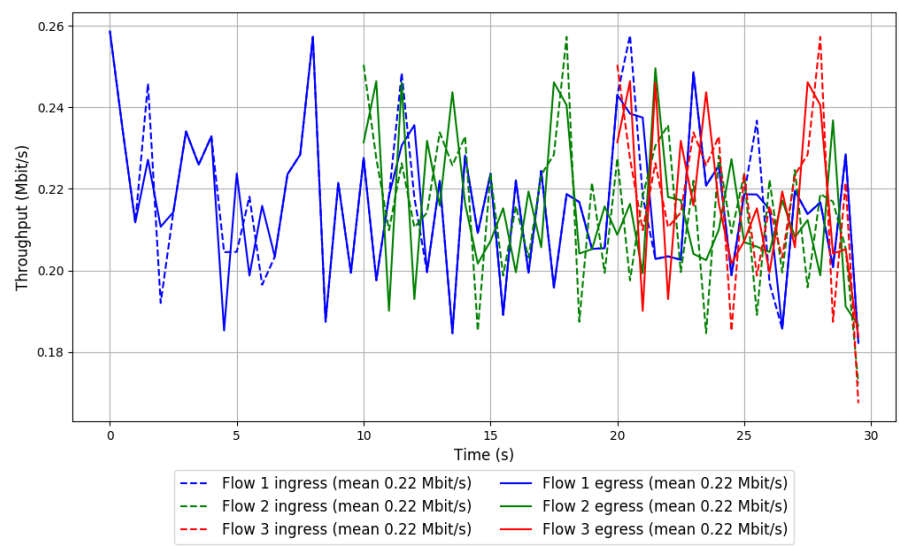


Run 10: Statistics of SReAM

Start at: 2017-12-01 00:20:35
End at: 2017-12-01 00:21:05
Local clock offset: 0.928 ms
Remote clock offset: -1.258 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.343 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.358 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

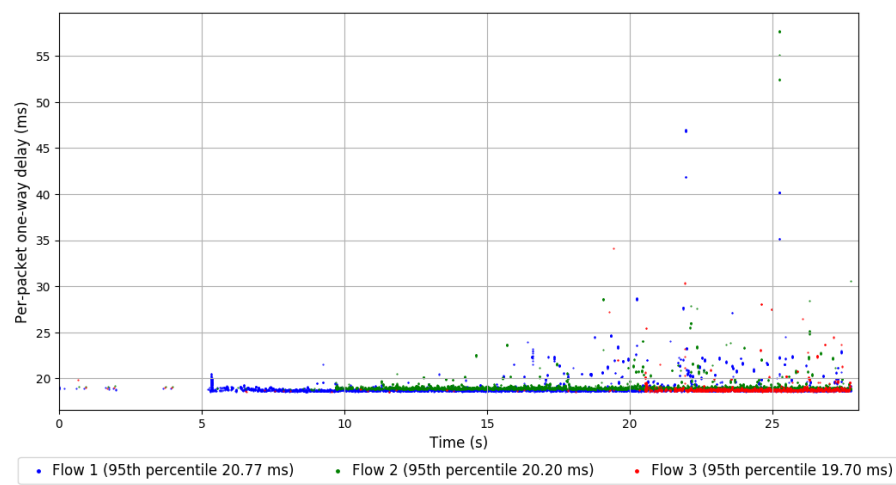
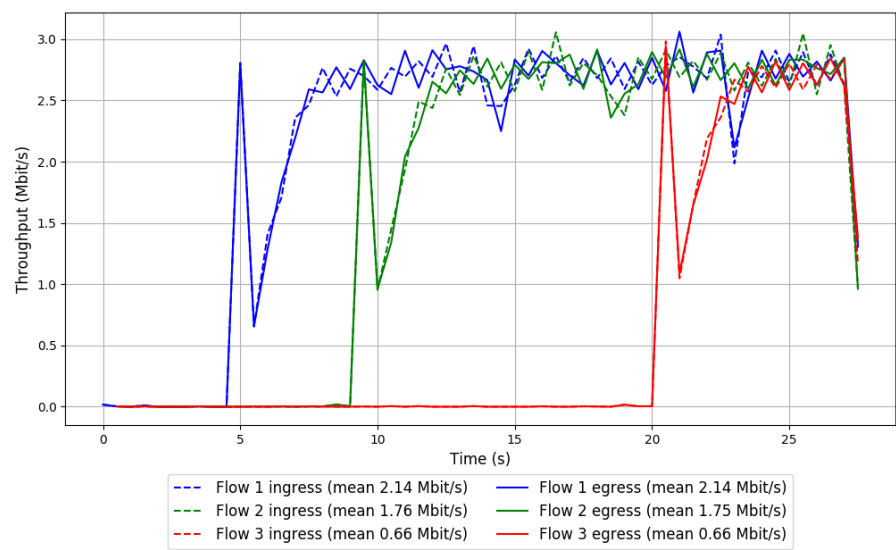


Run 1: Statistics of WebRTC media

Start at: 2017-11-30 21:34:26
End at: 2017-11-30 21:34:56
Local clock offset: 0.195 ms
Remote clock offset: -0.893 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 20.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 20.775 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 20.199 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 19.699 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

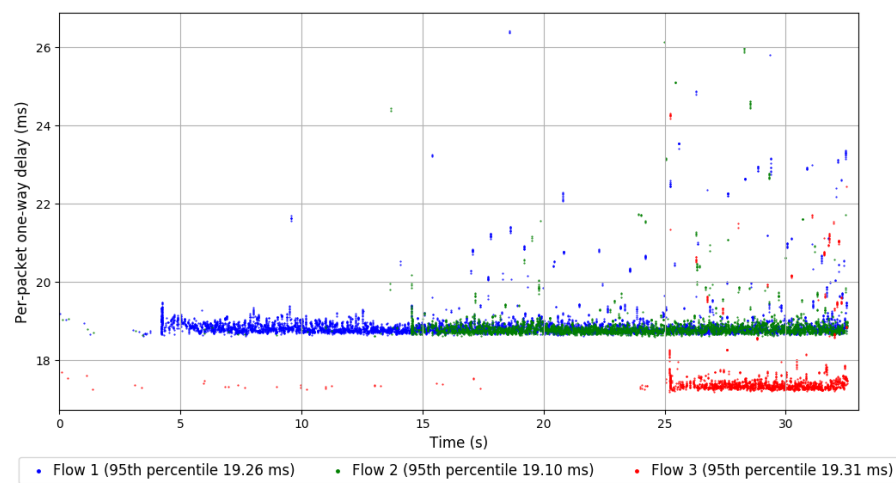
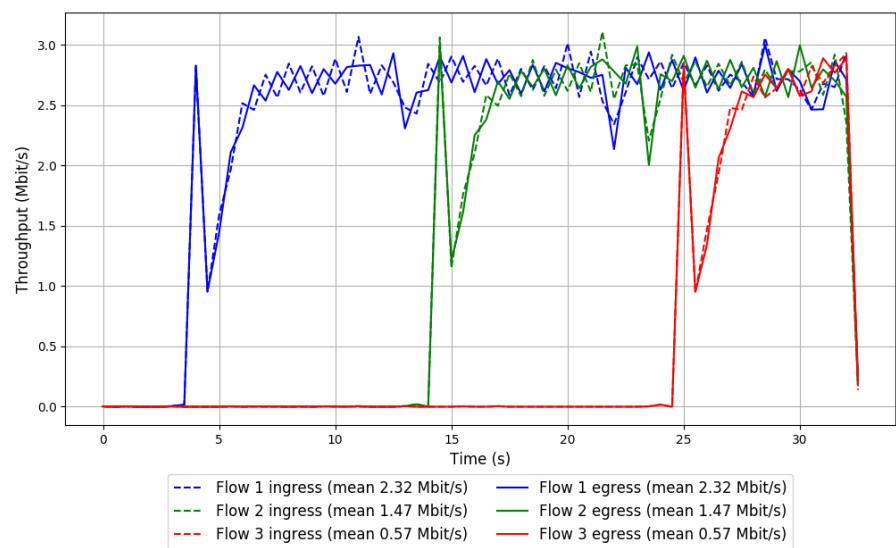


Run 2: Statistics of WebRTC media

Start at: 2017-11-30 21:54:16
End at: 2017-11-30 21:54:46
Local clock offset: 0.338 ms
Remote clock offset: -0.919 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 19.312 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

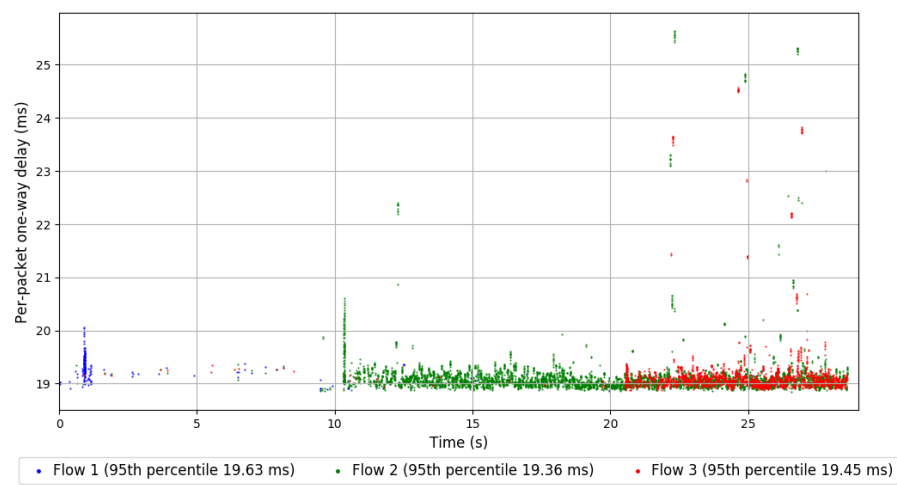
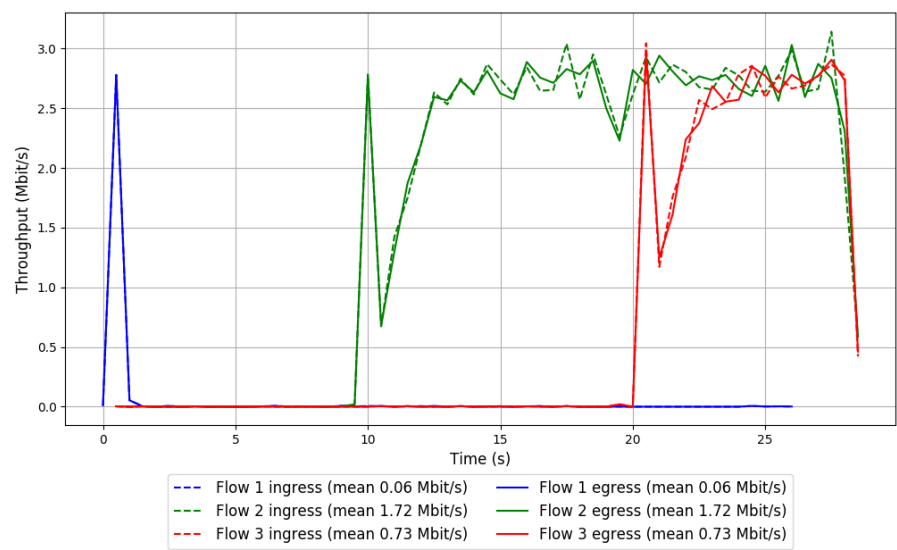


Run 3: Statistics of WebRTC media

Start at: 2017-11-30 22:14:31
End at: 2017-11-30 22:15:01
Local clock offset: 0.581 ms
Remote clock offset: -1.045 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 19.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

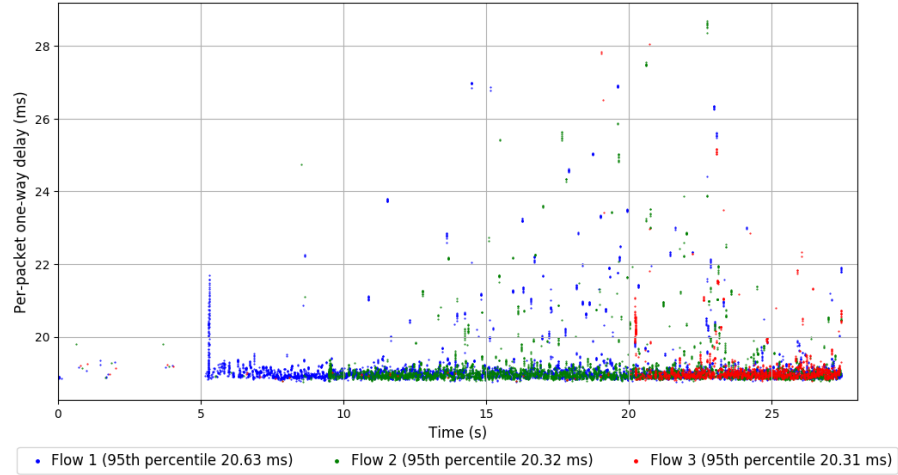
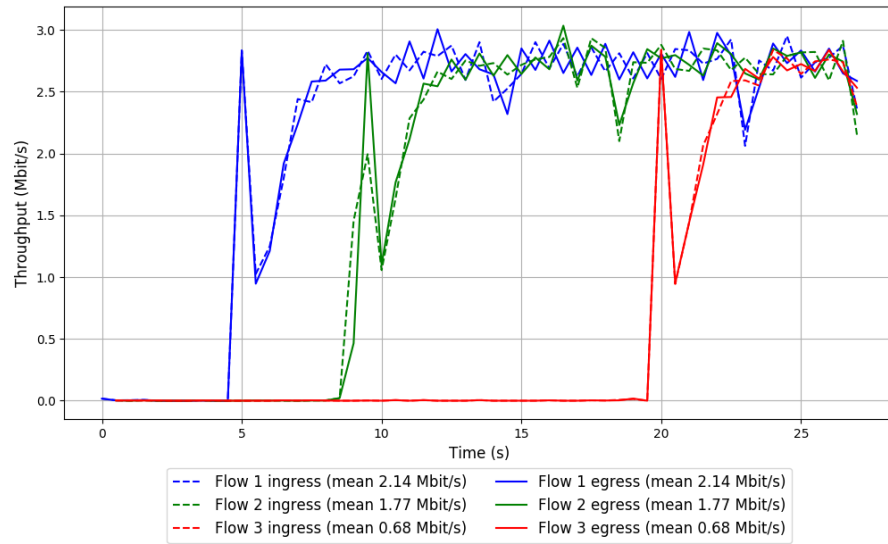


Run 4: Statistics of WebRTC media

Start at: 2017-11-30 22:34:51
End at: 2017-11-30 22:35:21
Local clock offset: 0.709 ms
Remote clock offset: -1.049 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 20.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 20.630 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 20.319 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 20.311 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

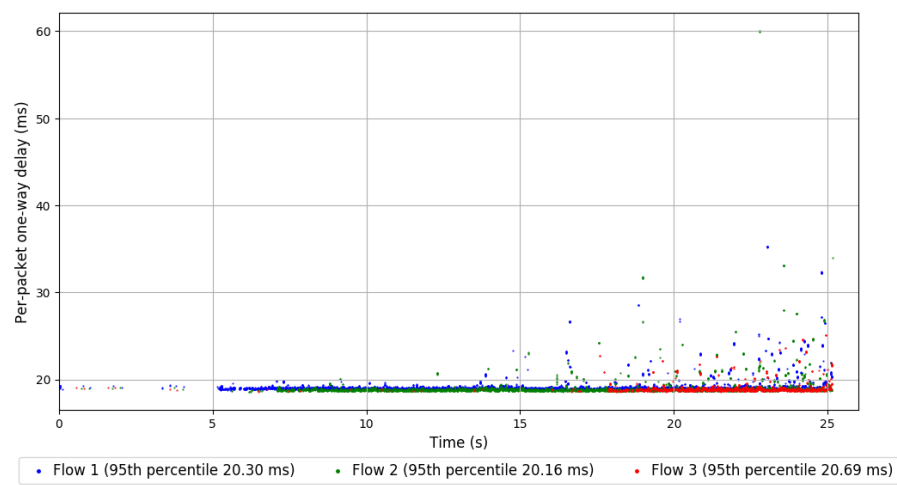
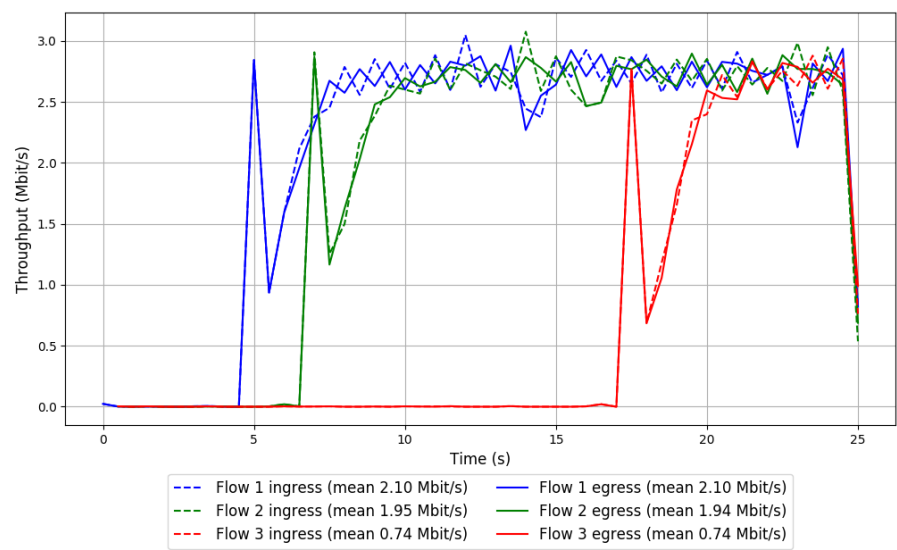


Run 5: Statistics of WebRTC media

Start at: 2017-11-30 22:55:15
End at: 2017-11-30 22:55:45
Local clock offset: 0.795 ms
Remote clock offset: -0.893 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 20.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 20.305 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 20.155 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 20.687 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

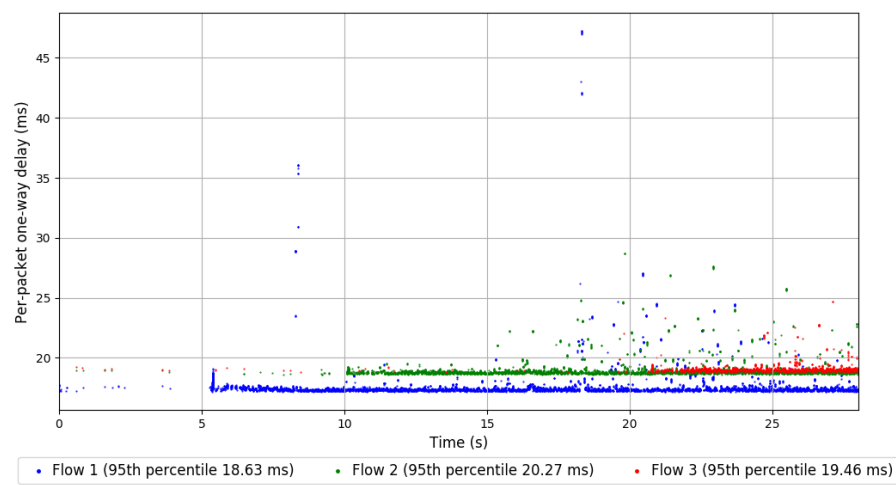
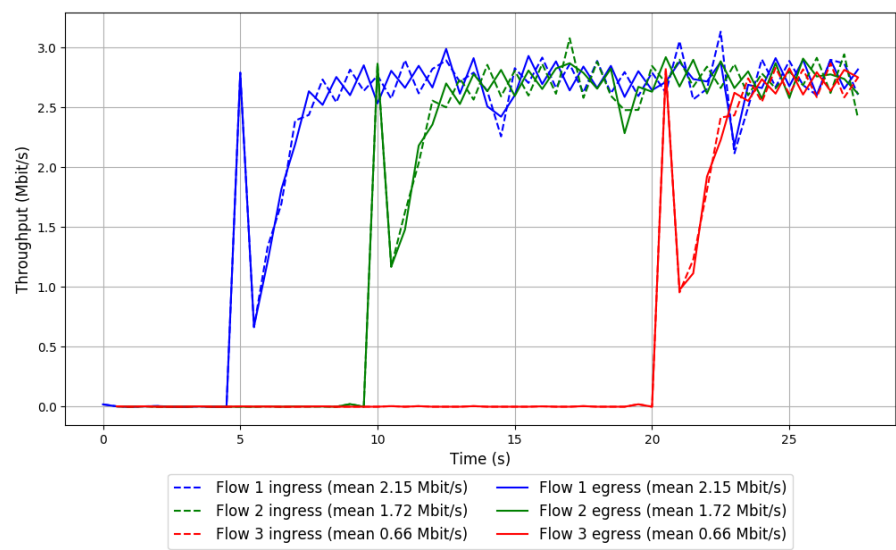


Run 6: Statistics of WebRTC media

Start at: 2017-11-30 23:15:35
End at: 2017-11-30 23:16:05
Local clock offset: 0.846 ms
Remote clock offset: -1.002 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 18.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.72 Mbit/s
95th percentile per-packet one-way delay: 20.268 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 19.463 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

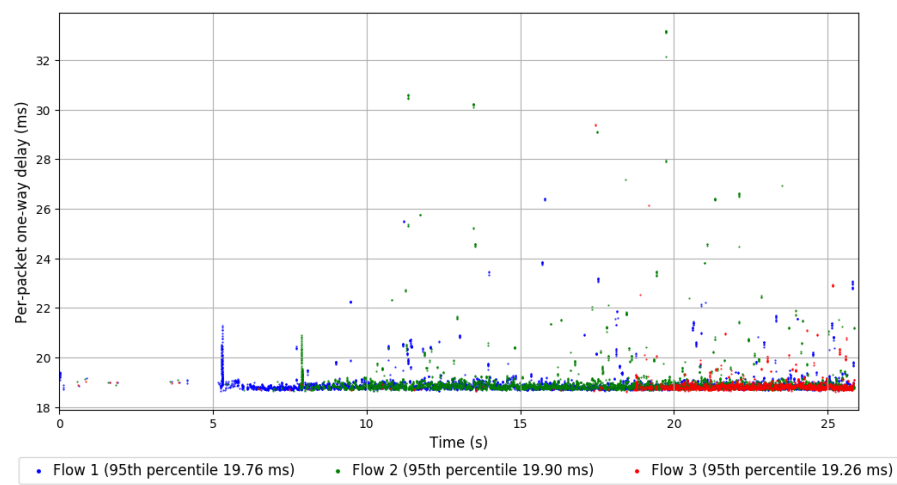
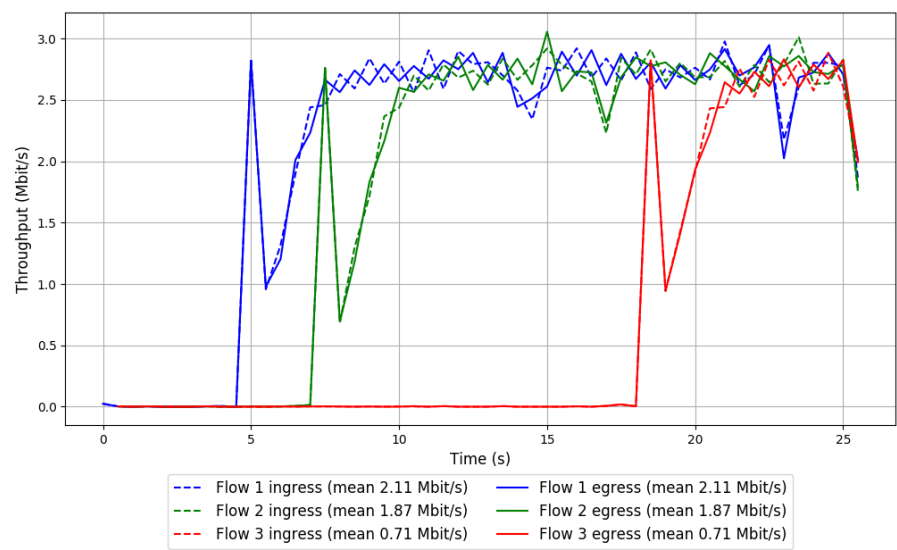


Run 7: Statistics of WebRTC media

Start at: 2017-11-30 23:35:55
End at: 2017-11-30 23:36:25
Local clock offset: 0.796 ms
Remote clock offset: -0.947 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 19.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 19.761 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 19.898 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 19.257 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

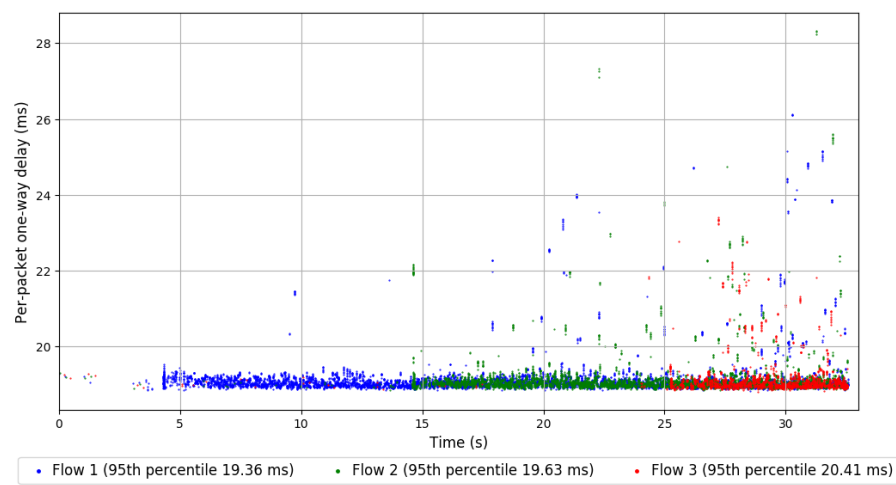
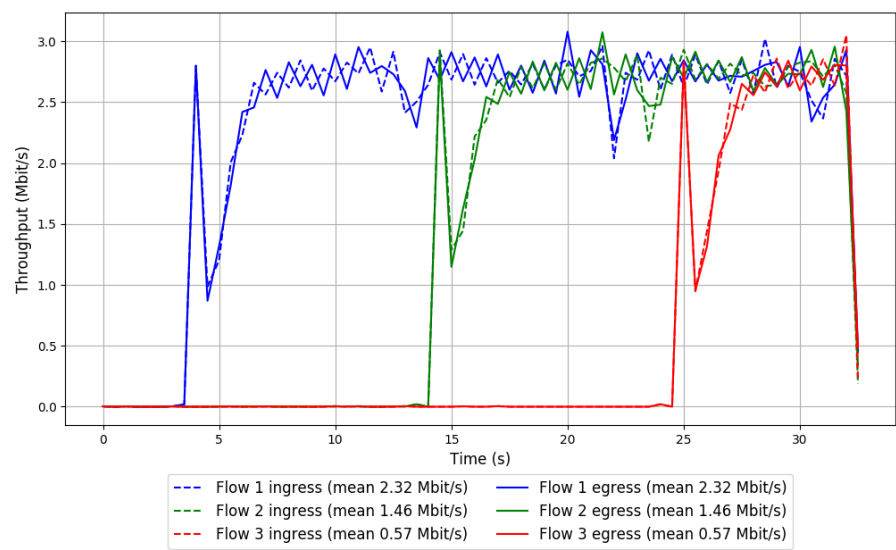


Run 8: Statistics of WebRTC media

Start at: 2017-11-30 23:56:07
End at: 2017-11-30 23:56:37
Local clock offset: 0.92 ms
Remote clock offset: -0.985 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 19.520 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.626 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 20.415 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

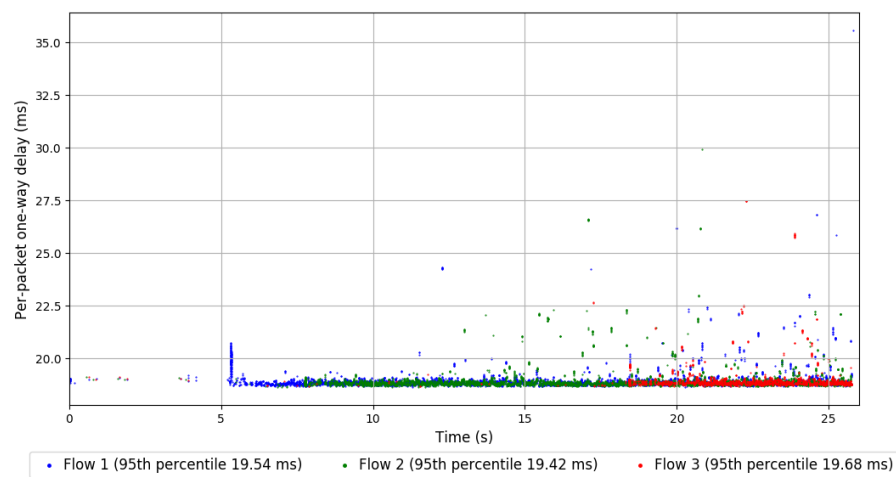
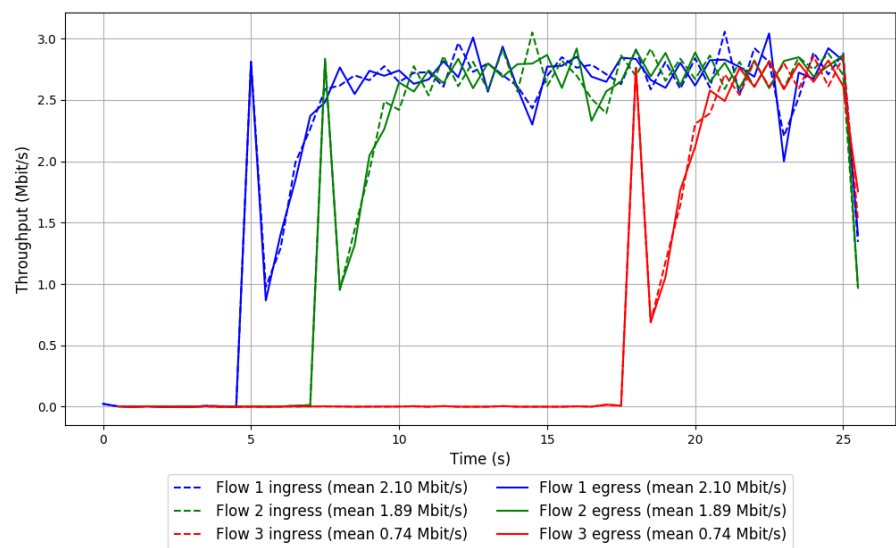


Run 9: Statistics of WebRTC media

Start at: 2017-12-01 00:16:26
End at: 2017-12-01 00:16:56
Local clock offset: 0.843 ms
Remote clock offset: -1.295 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 19.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 19.537 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 19.423 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 19.684 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-12-01 00:36:28

End at: 2017-12-01 00:36:58

Local clock offset: 0.823 ms

Remote clock offset: -1.42 ms

Below is generated by plot.py at 2017-12-01 03:18:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 19.715 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 20.061 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 19.251 ms

Loss rate: 0.00%

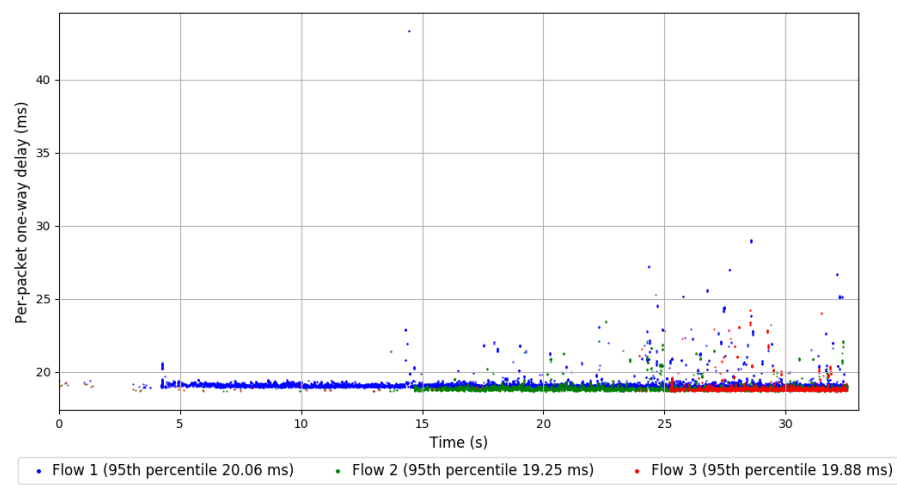
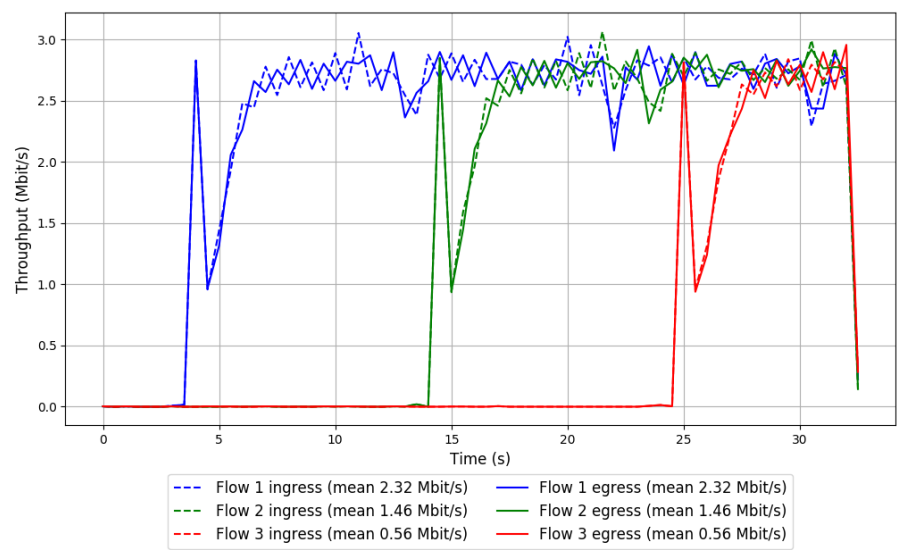
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 19.881 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

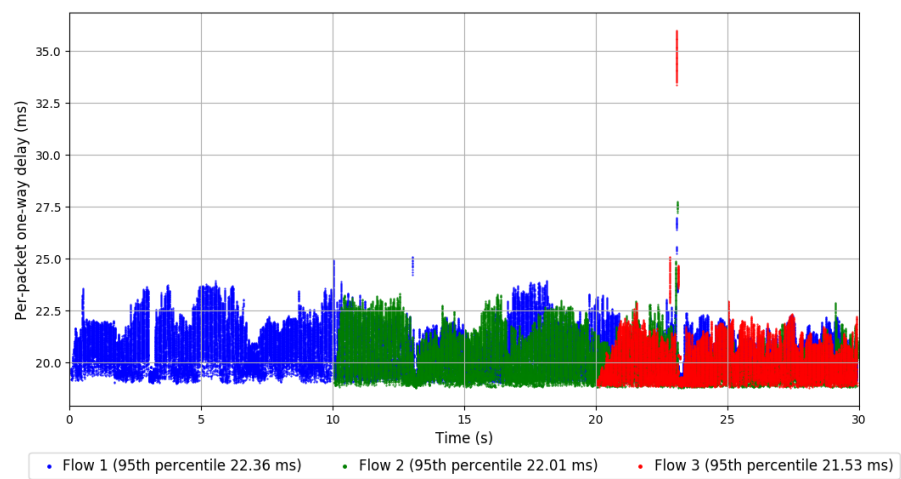
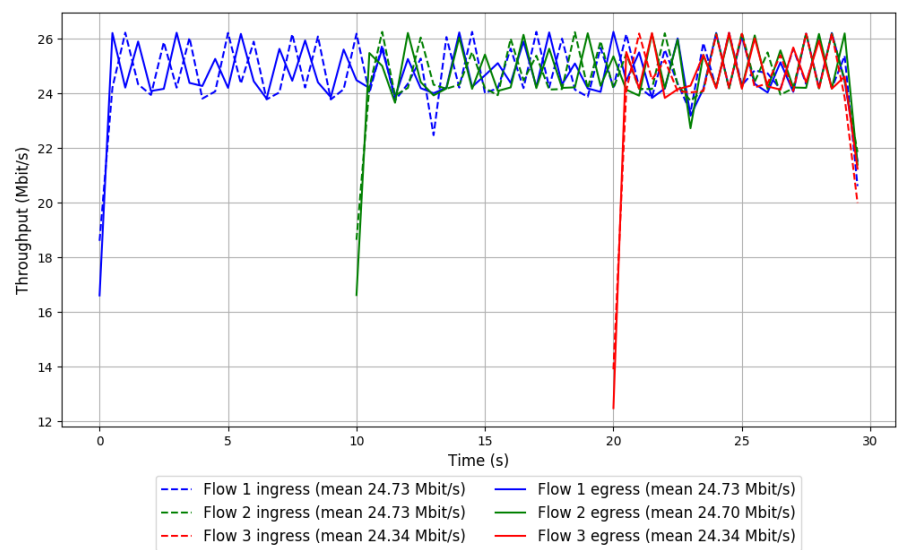


Run 1: Statistics of Sprout

Start at: 2017-11-30 21:21:02
End at: 2017-11-30 21:21:32
Local clock offset: 0.01 ms
Remote clock offset: -0.777 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 22.135 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 22.360 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.007 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 21.532 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

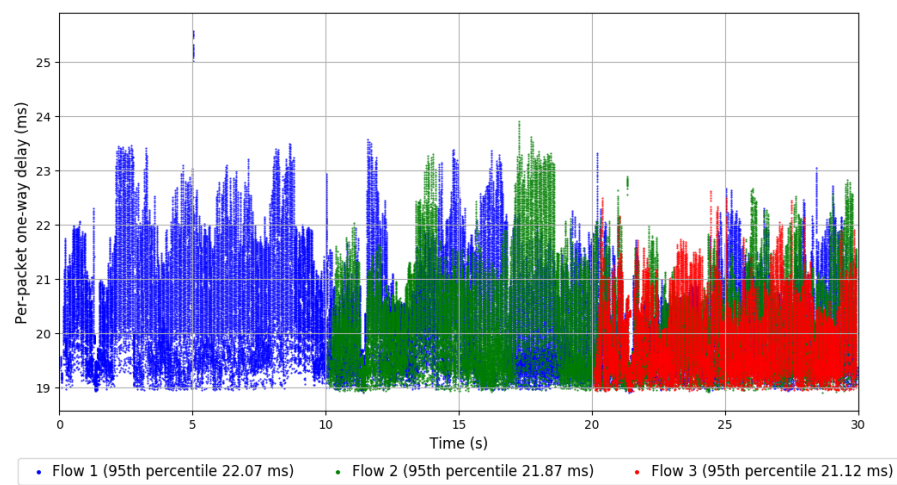
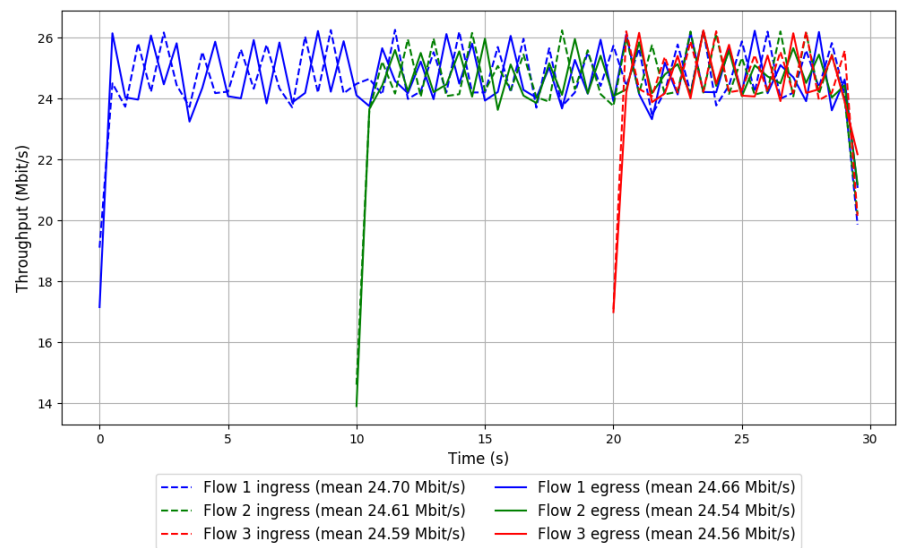


Run 2: Statistics of Sprout

Start at: 2017-11-30 21:41:04
End at: 2017-11-30 21:41:34
Local clock offset: 0.24 ms
Remote clock offset: -0.821 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.08 Mbit/s
95th percentile per-packet one-way delay: 21.902 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.067 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.873 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 21.119 ms
Loss rate: 0.11%

Run 2: Report of Sprout — Data Link

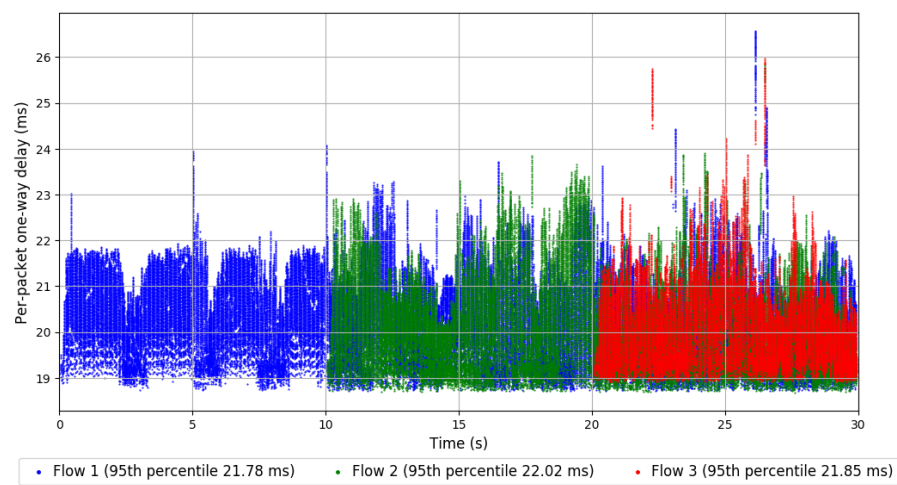
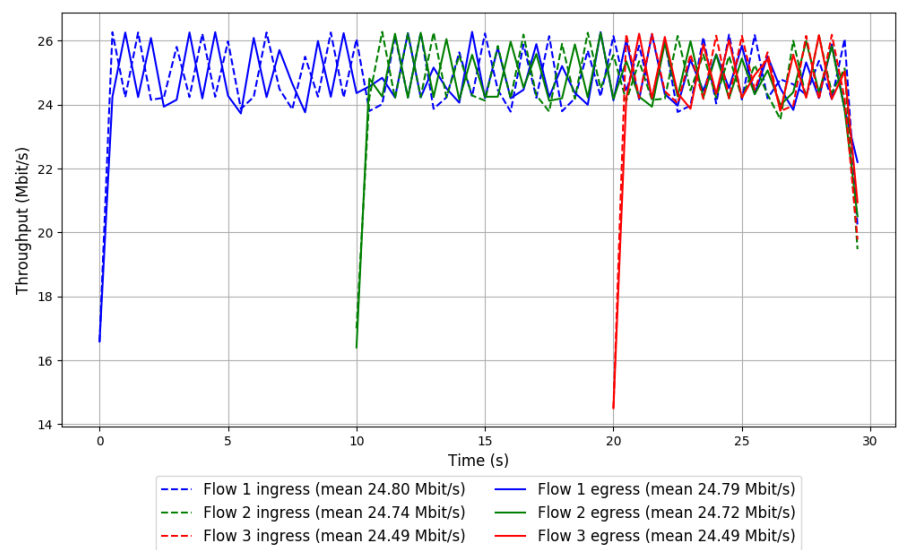


Run 3: Statistics of Sprout

Start at: 2017-11-30 22:01:05
End at: 2017-11-30 22:01:35
Local clock offset: 0.368 ms
Remote clock offset: -0.843 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 21.874 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 21.782 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 22.024 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 21.849 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

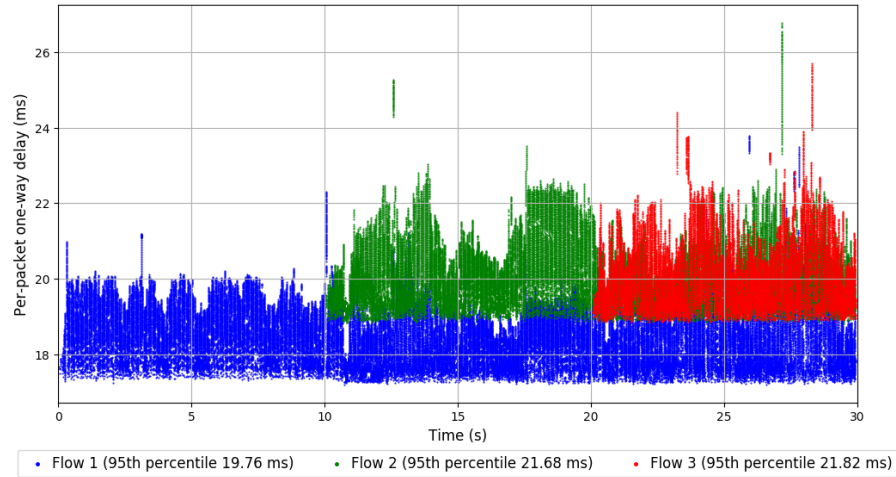
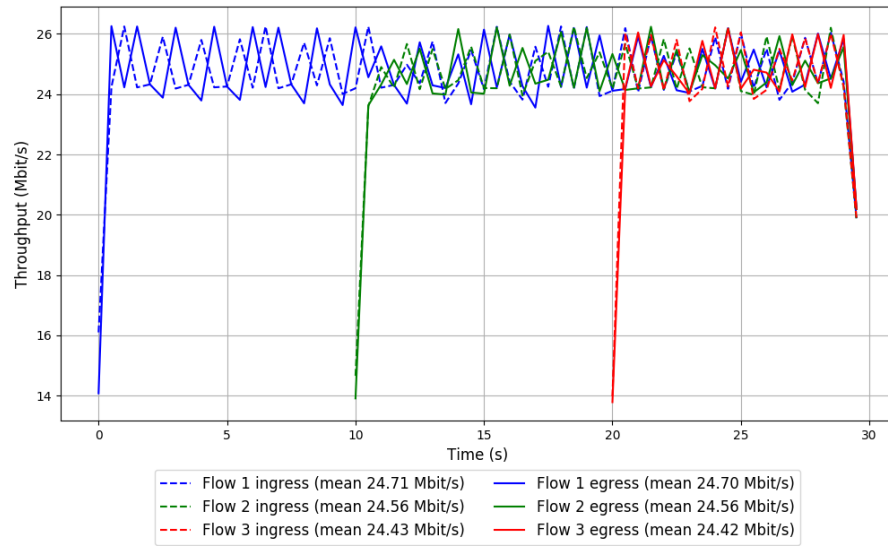


Run 4: Statistics of Sprout

Start at: 2017-11-30 22:21:27
End at: 2017-11-30 22:21:57
Local clock offset: 0.636 ms
Remote clock offset: -1.066 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.10 Mbit/s
95th percentile per-packet one-way delay: 21.319 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 19.760 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 21.684 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 21.825 ms
Loss rate: 0.06%

Run 4: Report of Sprout — Data Link

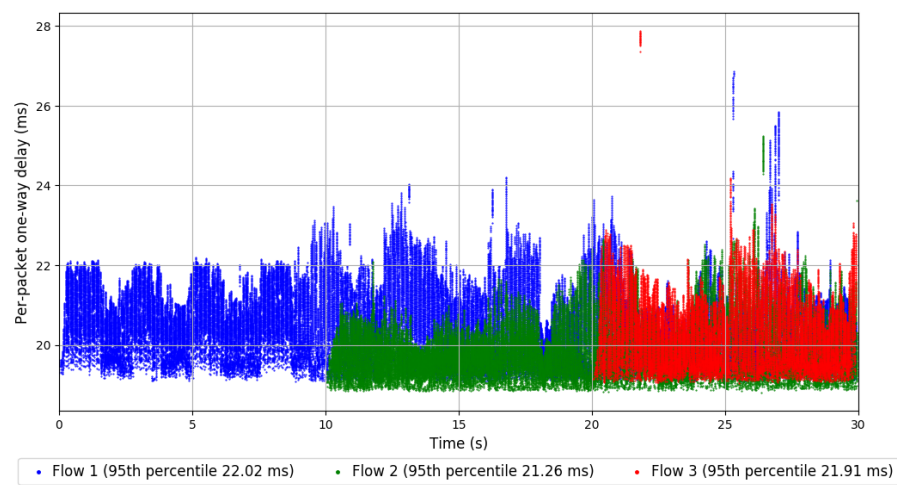
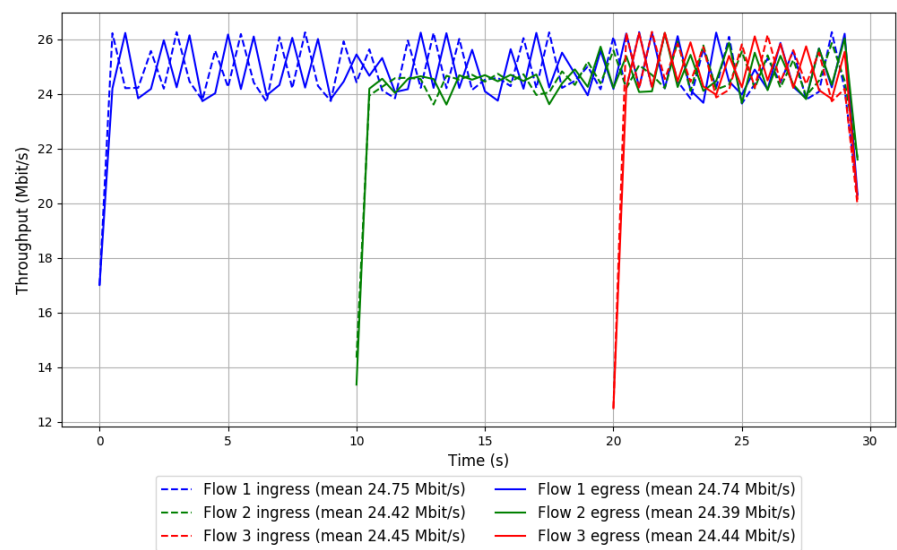


Run 5: Statistics of Sprout

Start at: 2017-11-30 22:41:50
End at: 2017-11-30 22:42:20
Local clock offset: 0.649 ms
Remote clock offset: -0.886 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 21.850 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.022 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 21.263 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 21.912 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

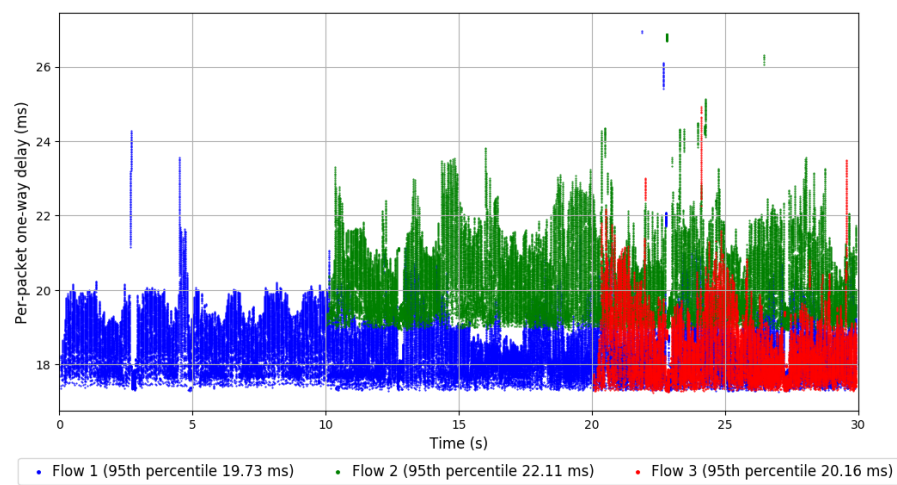
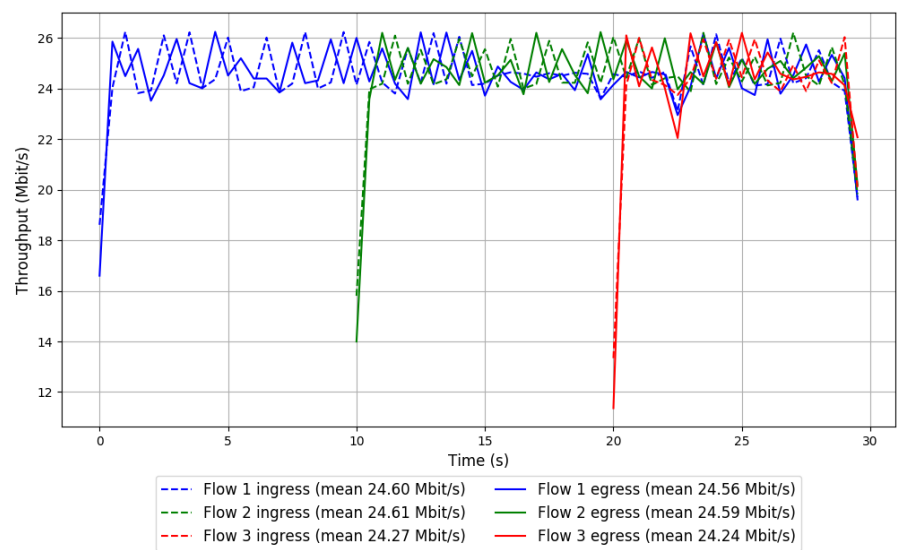


Run 6: Statistics of Sprout

Start at: 2017-11-30 23:02:07
End at: 2017-11-30 23:02:37
Local clock offset: 0.745 ms
Remote clock offset: -0.992 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.92 Mbit/s
95th percentile per-packet one-way delay: 21.408 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 19.733 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 22.114 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 20.162 ms
Loss rate: 0.11%

Run 6: Report of Sprout — Data Link

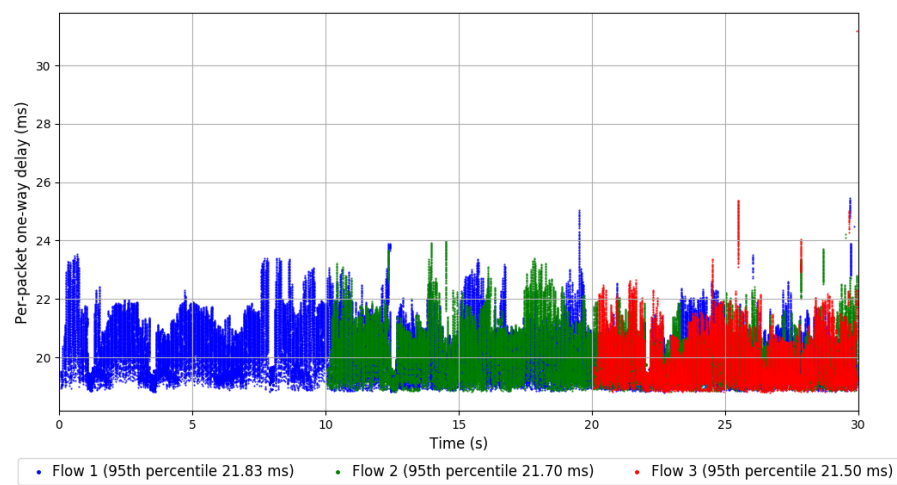
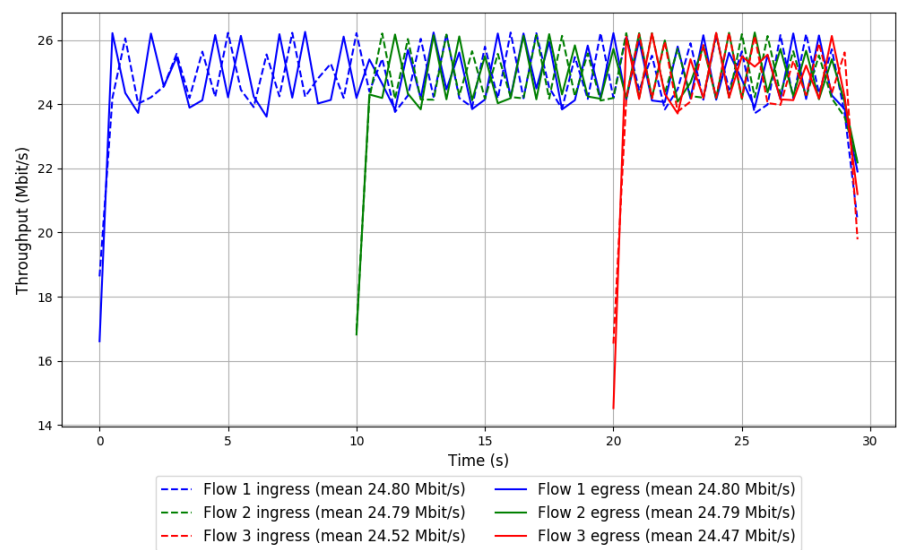


Run 7: Statistics of Sprout

Start at: 2017-11-30 23:22:28
End at: 2017-11-30 23:22:58
Local clock offset: 0.859 ms
Remote clock offset: -0.972 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.37 Mbit/s
95th percentile per-packet one-way delay: 21.745 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 21.827 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 21.705 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 21.498 ms
Loss rate: 0.06%

Run 7: Report of Sprout — Data Link

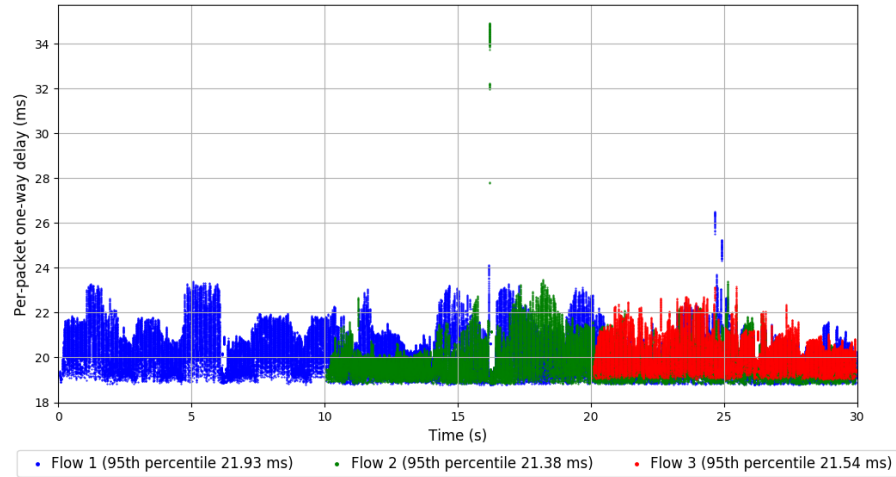
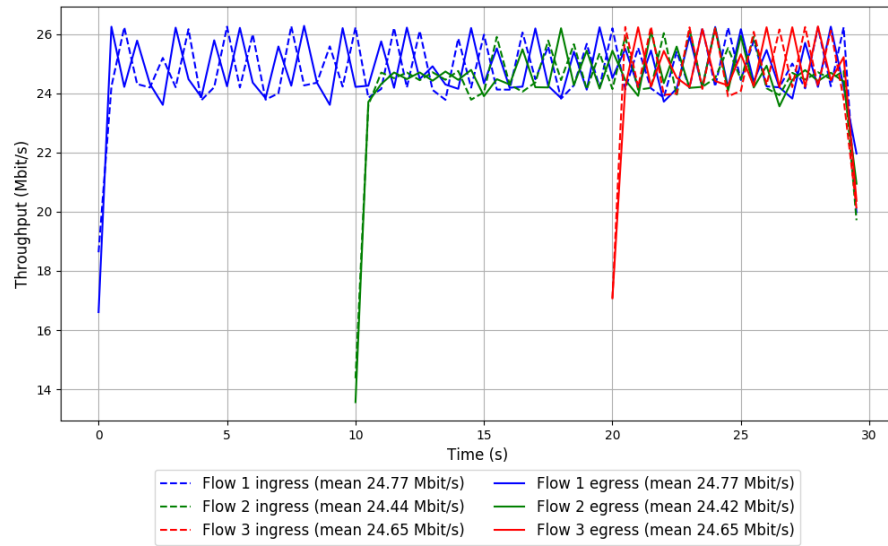


Run 8: Statistics of Sprout

Start at: 2017-11-30 23:42:44
End at: 2017-11-30 23:43:14
Local clock offset: 0.819 ms
Remote clock offset: -0.902 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 21.723 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 21.935 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 21.376 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 21.542 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

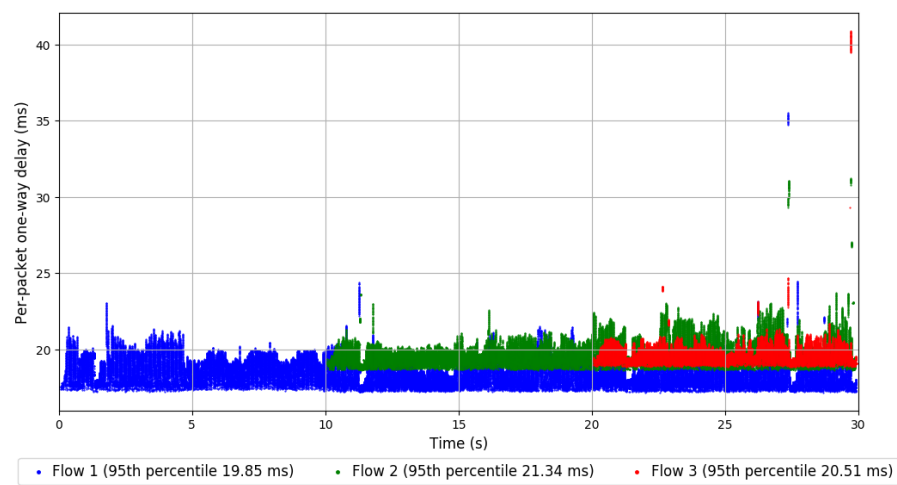
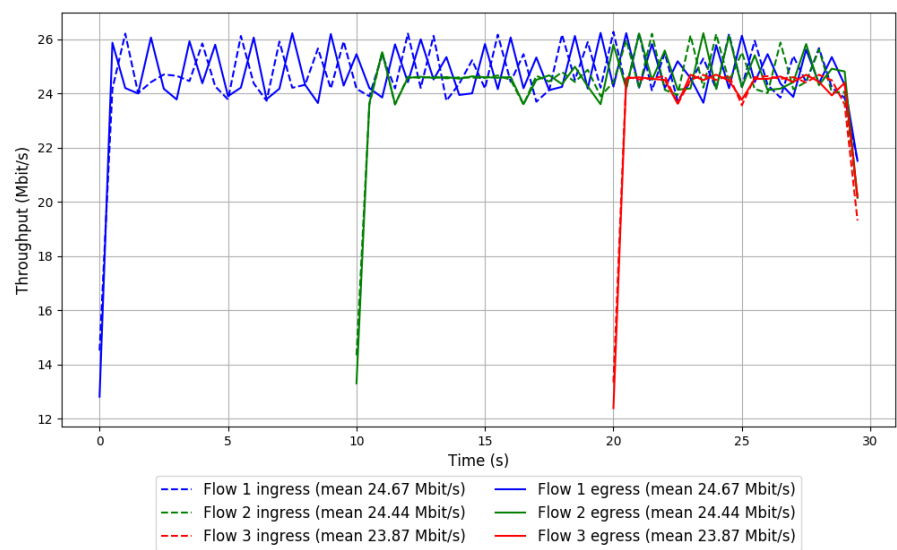


Run 9: Statistics of Sprout

Start at: 2017-12-01 00:02:58
End at: 2017-12-01 00:03:28
Local clock offset: 0.934 ms
Remote clock offset: -1.01 ms

```
# Below is generated by plot.py at 2017-12-01 03:18:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 20.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 19.852 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 21.336 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.87 Mbit/s
95th percentile per-packet one-way delay: 20.508 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

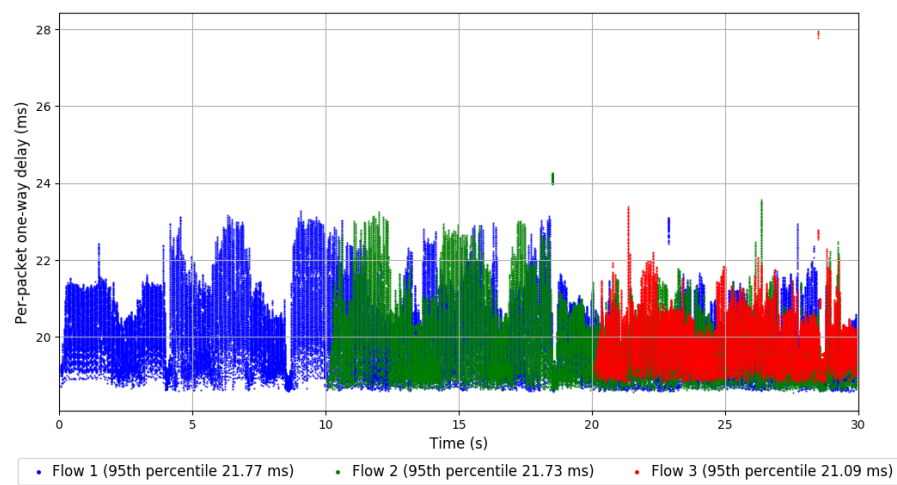
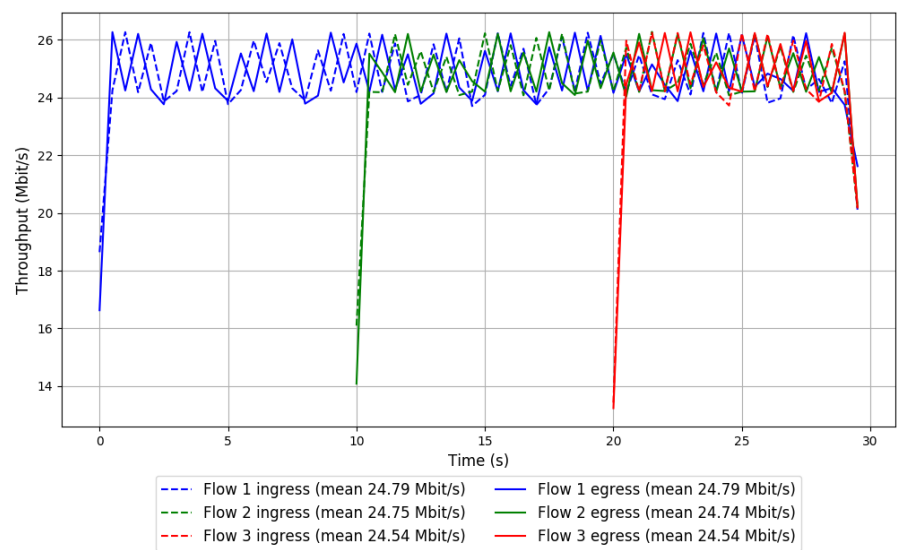


Run 10: Statistics of Sprout

Start at: 2017-12-01 00:23:21
End at: 2017-12-01 00:23:51
Local clock offset: 0.928 ms
Remote clock offset: -1.336 ms

Below is generated by plot.py at 2017-12-01 03:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.33 Mbit/s
95th percentile per-packet one-way delay: 21.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 21.771 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 21.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.094 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

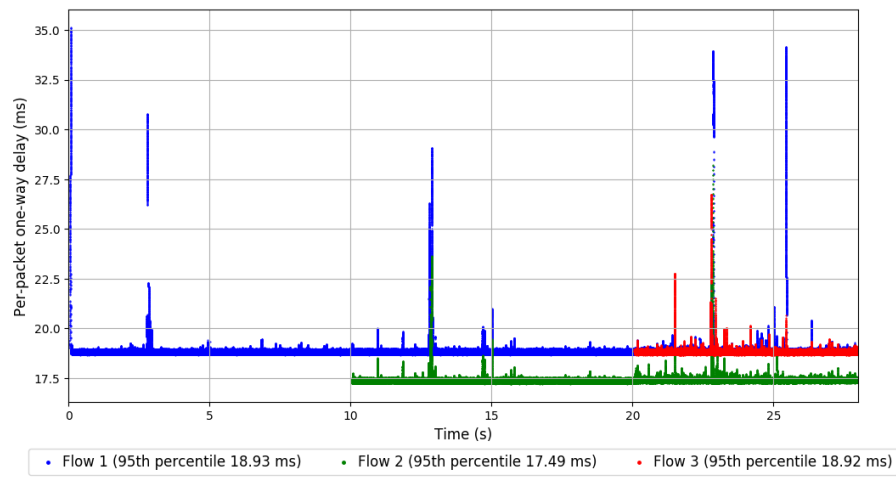
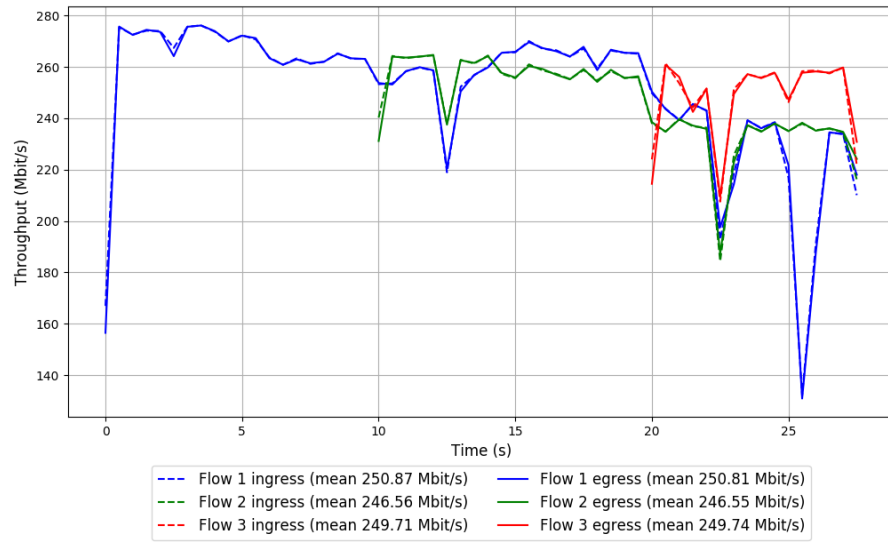


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-11-30 21:25:05
End at: 2017-11-30 21:25:35
Local clock offset: 0.046 ms
Remote clock offset: -0.851 ms

# Below is generated by plot.py at 2017-12-01 03:25:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 480.02 Mbit/s
95th percentile per-packet one-way delay: 18.912 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 250.81 Mbit/s
95th percentile per-packet one-way delay: 18.930 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 246.55 Mbit/s
95th percentile per-packet one-way delay: 17.489 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 249.74 Mbit/s
95th percentile per-packet one-way delay: 18.922 ms
Loss rate: 0.01%
```


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

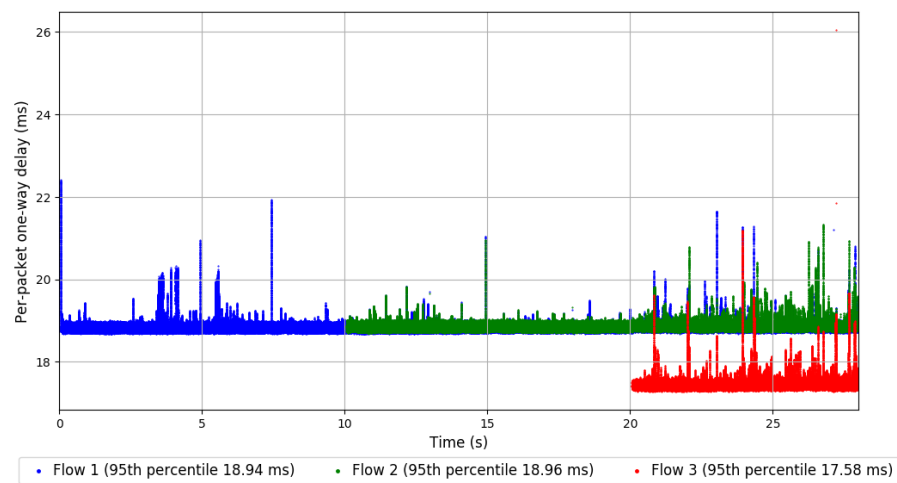
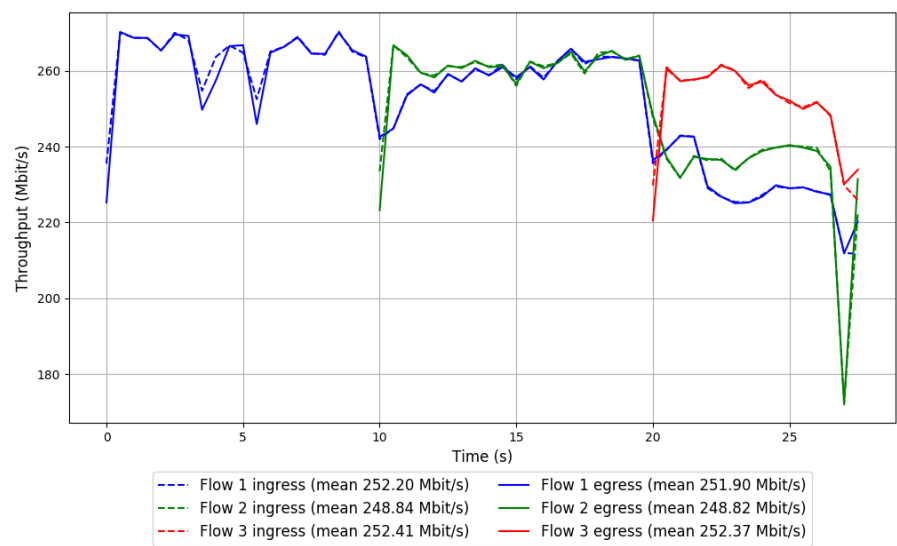


Run 2: Statistics of TaoVA-100x

Start at: 2017-11-30 21:44:59
End at: 2017-11-30 21:45:29
Local clock offset: 0.179 ms
Remote clock offset: -0.968 ms

Below is generated by plot.py at 2017-12-01 03:25:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 483.32 Mbit/s
95th percentile per-packet one-way delay: 18.944 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 251.90 Mbit/s
95th percentile per-packet one-way delay: 18.937 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 248.82 Mbit/s
95th percentile per-packet one-way delay: 18.965 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 252.37 Mbit/s
95th percentile per-packet one-way delay: 17.576 ms
Loss rate: 0.02%

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

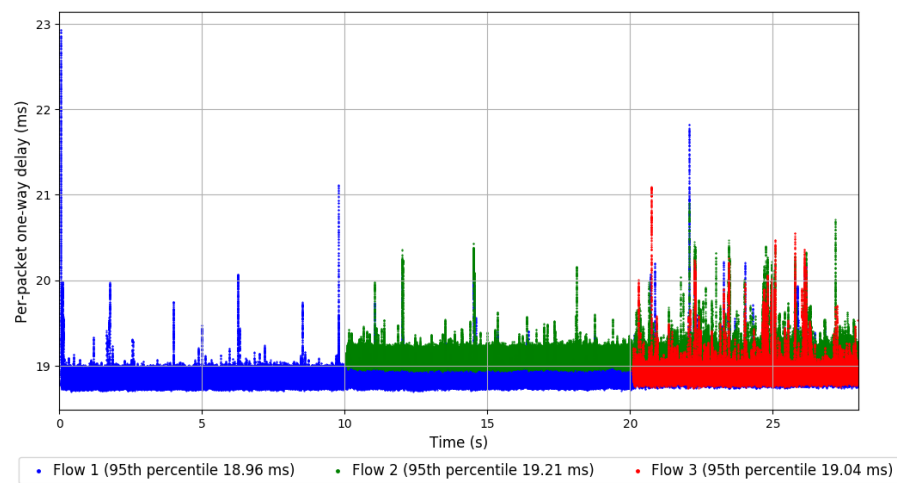
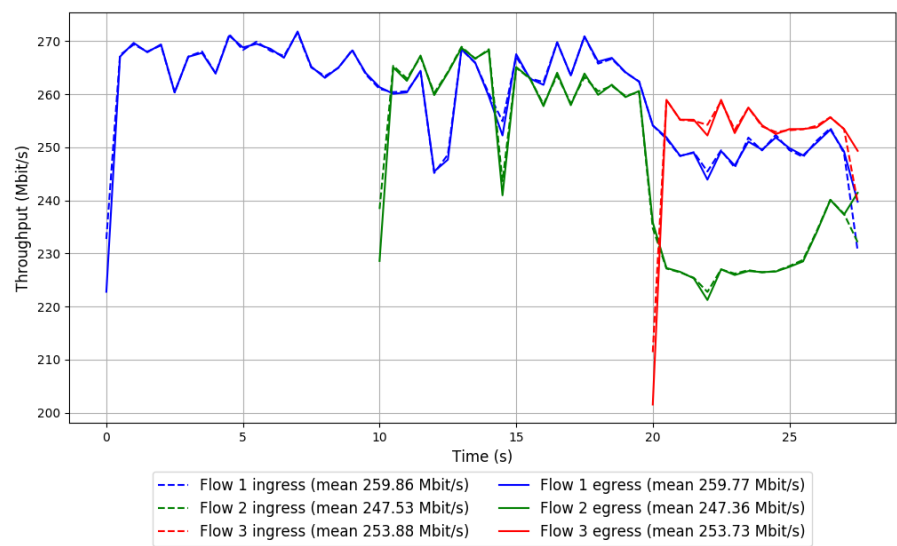


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-30 22:05:10
End at: 2017-11-30 22:05:40
Local clock offset: 0.359 ms
Remote clock offset: -0.913 ms

Below is generated by plot.py at 2017-12-01 03:26:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.45 Mbit/s
95th percentile per-packet one-way delay: 19.172 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 259.77 Mbit/s
95th percentile per-packet one-way delay: 18.962 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 247.36 Mbit/s
95th percentile per-packet one-way delay: 19.213 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 253.73 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.06%

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

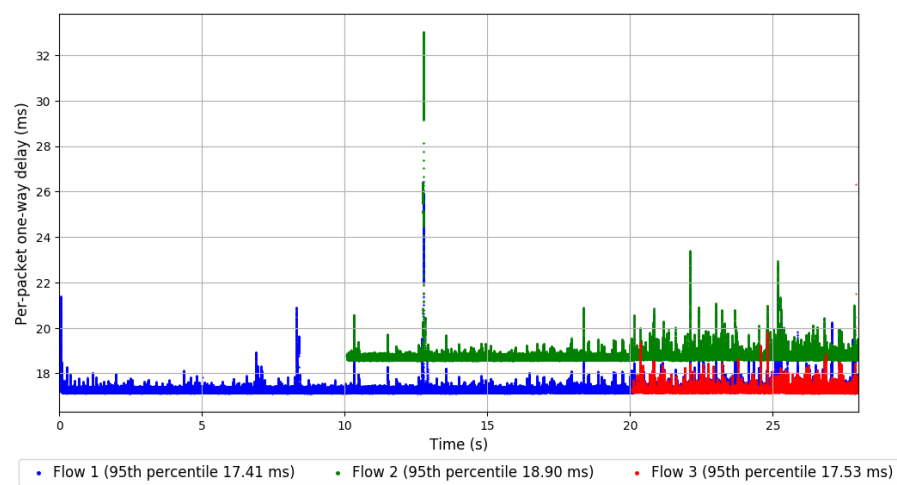
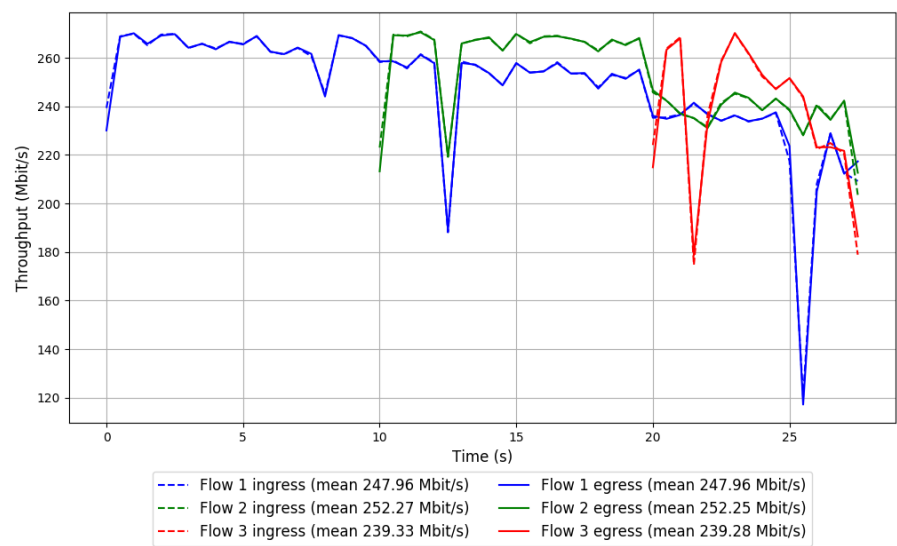


Run 4: Statistics of TaoVA-100x

Start at: 2017-11-30 22:25:35
End at: 2017-11-30 22:26:05
Local clock offset: 0.671 ms
Remote clock offset: -1.057 ms

Below is generated by plot.py at 2017-12-01 03:26:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.58 Mbit/s
95th percentile per-packet one-way delay: 18.787 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 247.96 Mbit/s
95th percentile per-packet one-way delay: 17.414 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 252.25 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 239.28 Mbit/s
95th percentile per-packet one-way delay: 17.531 ms
Loss rate: 0.01%

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

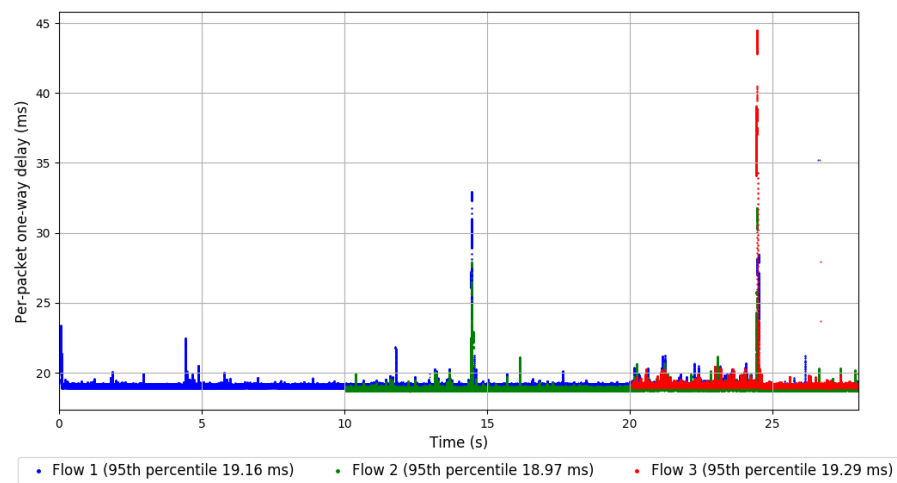
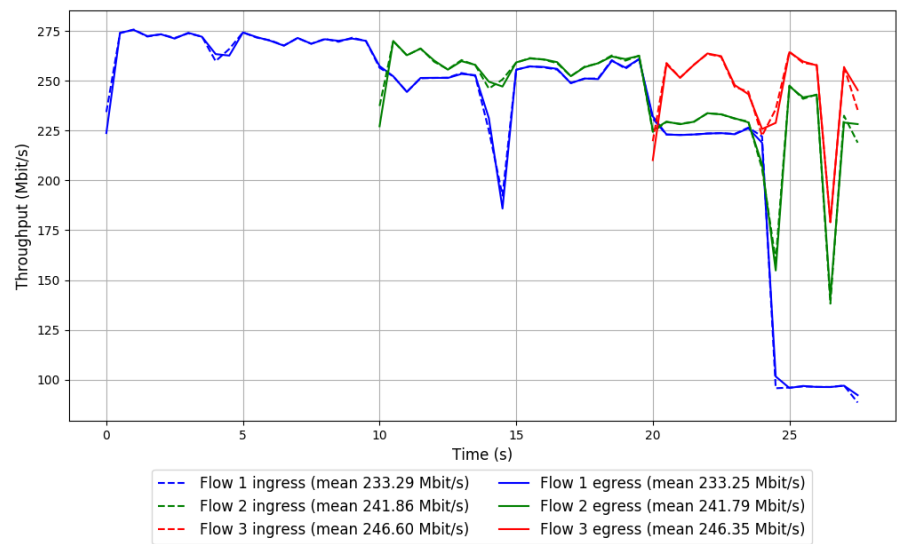


Run 5: Statistics of TaoVA-100x

Start at: 2017-11-30 22:45:58
End at: 2017-11-30 22:46:28
Local clock offset: 0.701 ms
Remote clock offset: -0.978 ms

Below is generated by plot.py at 2017-12-01 03:26:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 458.40 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 233.25 Mbit/s
95th percentile per-packet one-way delay: 19.156 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 241.79 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 246.35 Mbit/s
95th percentile per-packet one-way delay: 19.285 ms
Loss rate: 0.09%

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

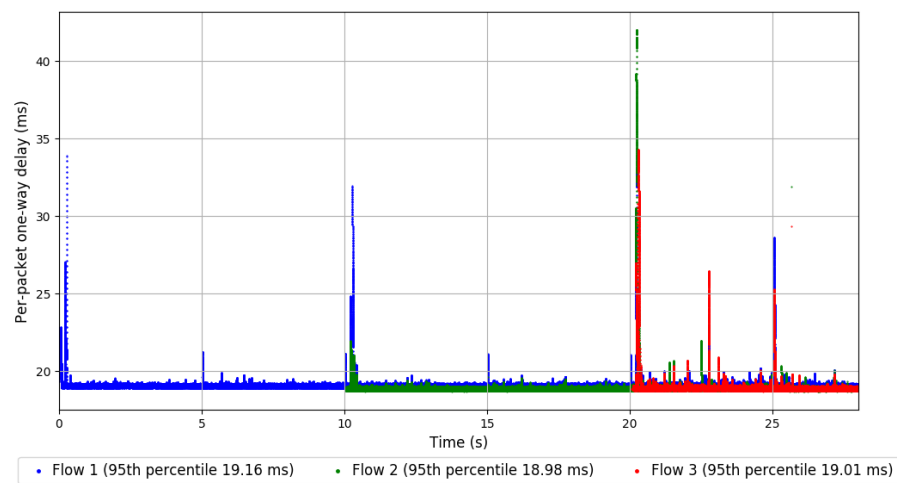
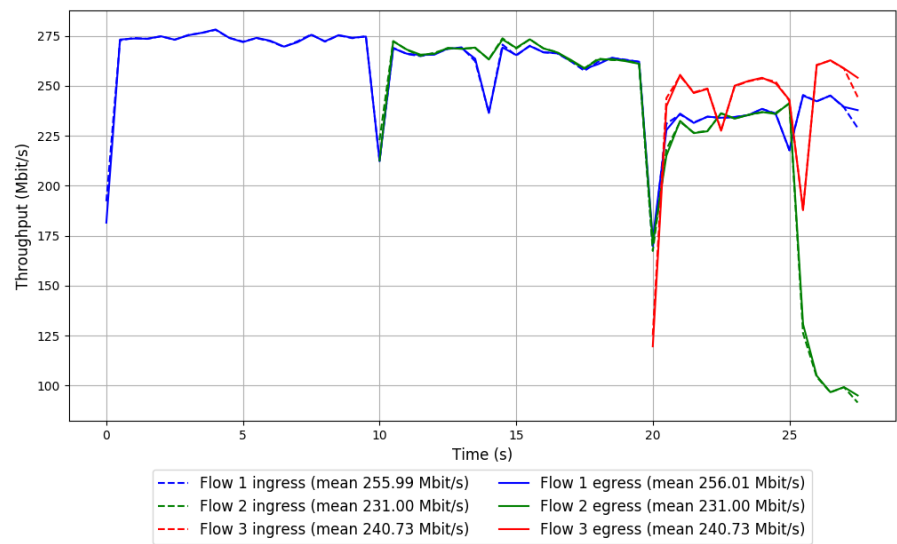


Run 6: Statistics of TaoVA-100x

Start at: 2017-11-30 23:06:13
End at: 2017-11-30 23:06:43
Local clock offset: 0.753 ms
Remote clock offset: -0.976 ms

Below is generated by plot.py at 2017-12-01 03:26:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 472.47 Mbit/s
95th percentile per-packet one-way delay: 19.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.01 Mbit/s
95th percentile per-packet one-way delay: 19.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 231.00 Mbit/s
95th percentile per-packet one-way delay: 18.975 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 240.73 Mbit/s
95th percentile per-packet one-way delay: 19.014 ms
Loss rate: 0.00%

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

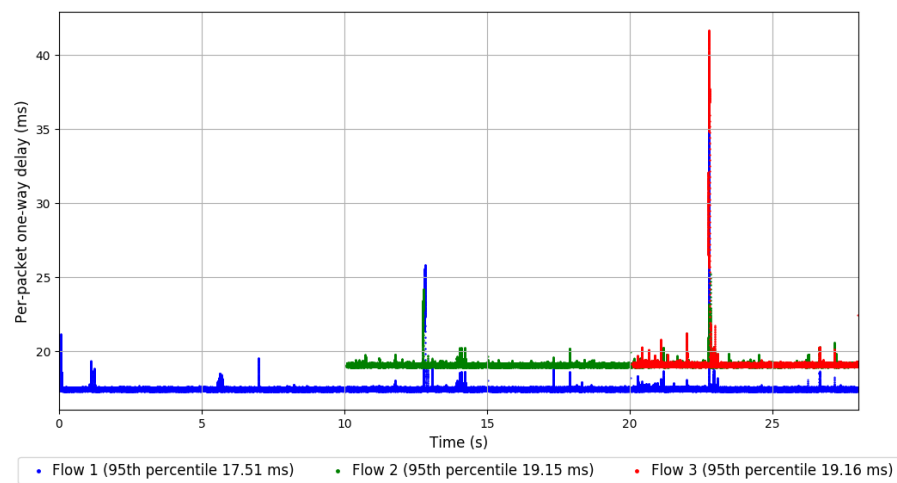
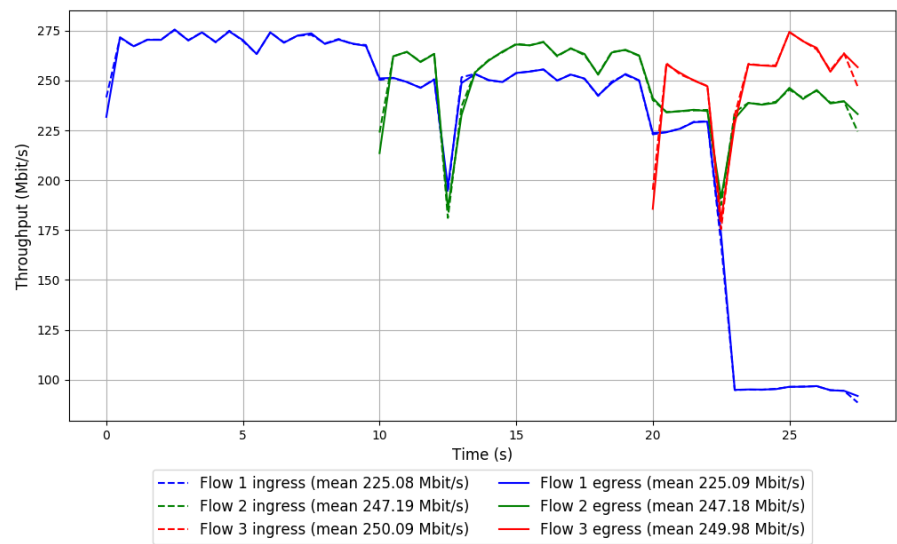


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-30 23:26:40
End at: 2017-11-30 23:27:10
Local clock offset: 0.779 ms
Remote clock offset: -0.928 ms

Below is generated by plot.py at 2017-12-01 03:26:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.32 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 225.09 Mbit/s
95th percentile per-packet one-way delay: 17.507 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 247.18 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 249.98 Mbit/s
95th percentile per-packet one-way delay: 19.160 ms
Loss rate: 0.02%

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

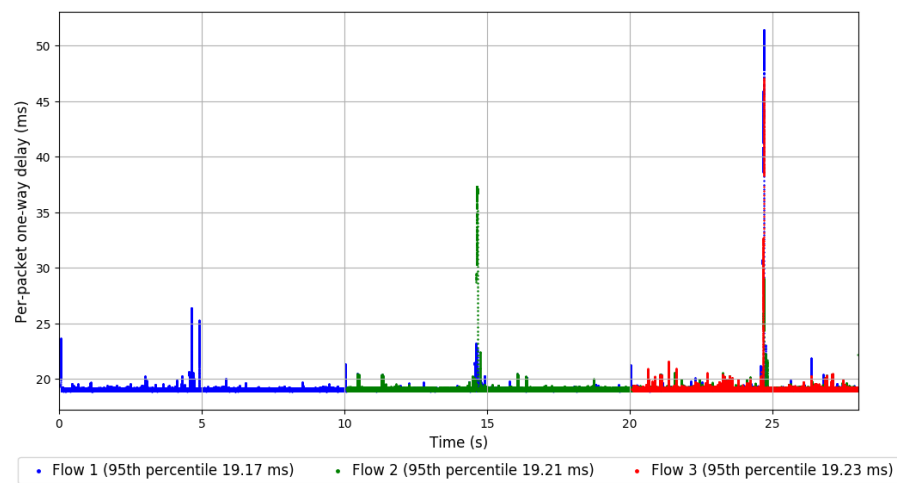
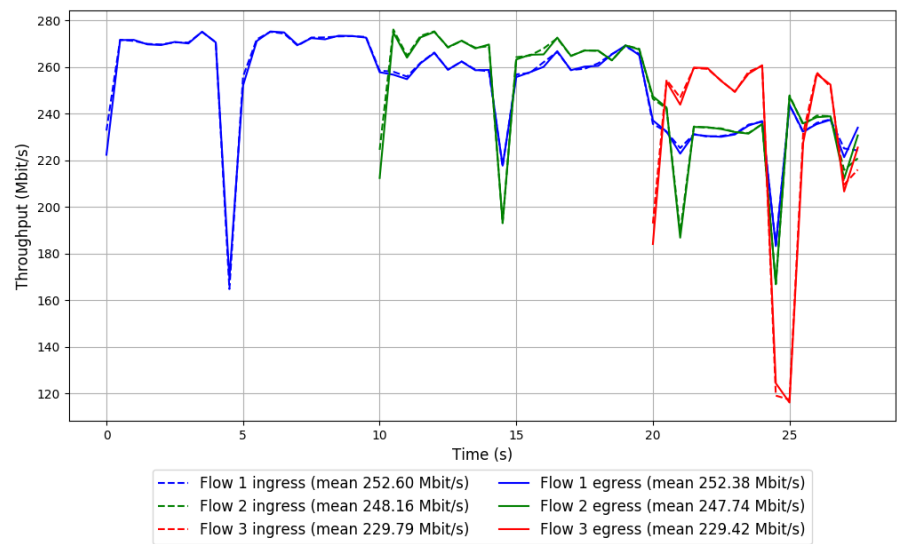


Run 8: Statistics of TaoVA-100x

Start at: 2017-11-30 23:46:48
End at: 2017-11-30 23:47:18
Local clock offset: 0.924 ms
Remote clock offset: -0.912 ms

Below is generated by plot.py at 2017-12-01 03:30:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 476.09 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 252.38 Mbit/s
95th percentile per-packet one-way delay: 19.166 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 247.74 Mbit/s
95th percentile per-packet one-way delay: 19.207 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 229.42 Mbit/s
95th percentile per-packet one-way delay: 19.228 ms
Loss rate: 0.16%

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

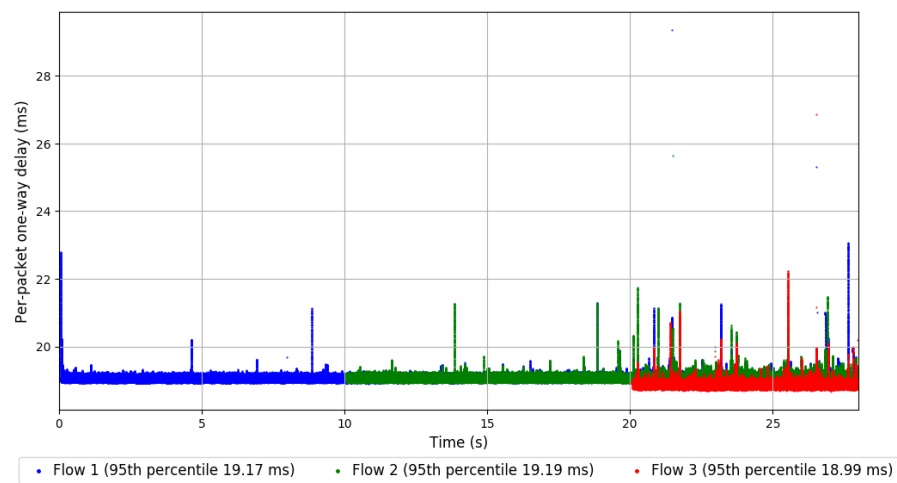
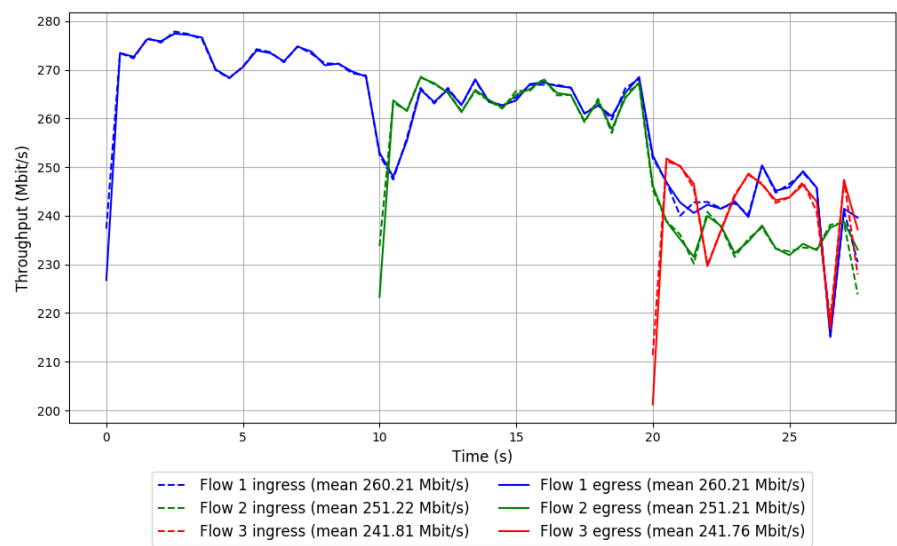


Run 9: Statistics of TaoVA-100x

Start at: 2017-12-01 00:07:07
End at: 2017-12-01 00:07:37
Local clock offset: 0.837 ms
Remote clock offset: -1.078 ms

Below is generated by plot.py at 2017-12-01 03:37:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 489.99 Mbit/s
95th percentile per-packet one-way delay: 19.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 260.21 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 251.21 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 241.76 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.00%

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

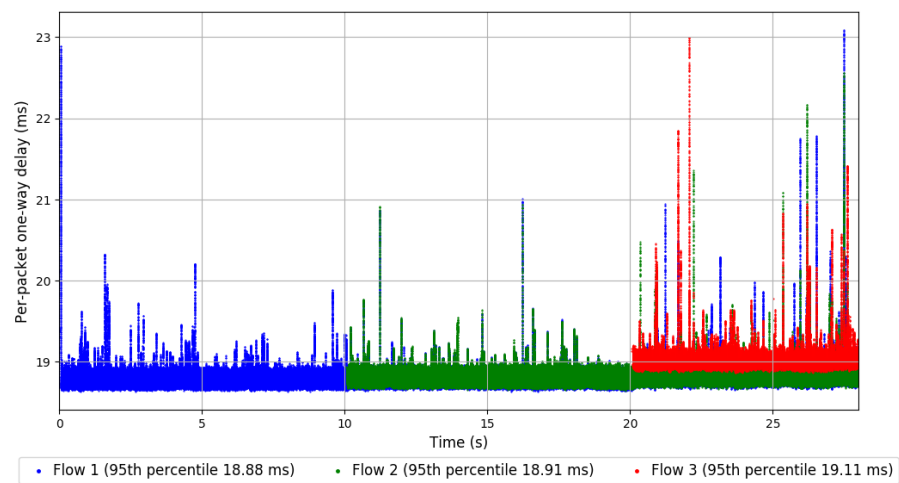
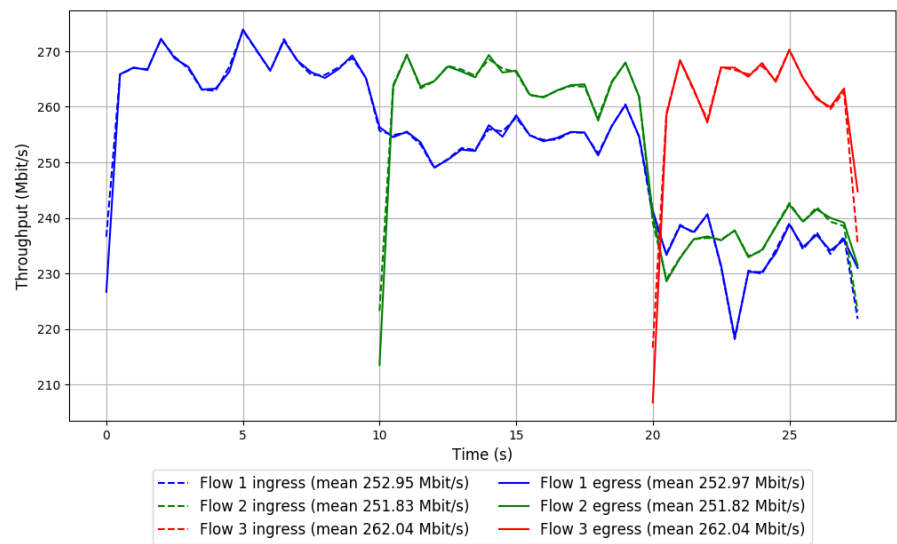


Run 10: Statistics of TaoVA-100x

Start at: 2017-12-01 00:27:31
End at: 2017-12-01 00:28:01
Local clock offset: 0.92 ms
Remote clock offset: -1.305 ms

Below is generated by plot.py at 2017-12-01 03:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 488.63 Mbit/s
95th percentile per-packet one-way delay: 19.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 252.97 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 251.82 Mbit/s
95th percentile per-packet one-way delay: 18.906 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 262.04 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.00%

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

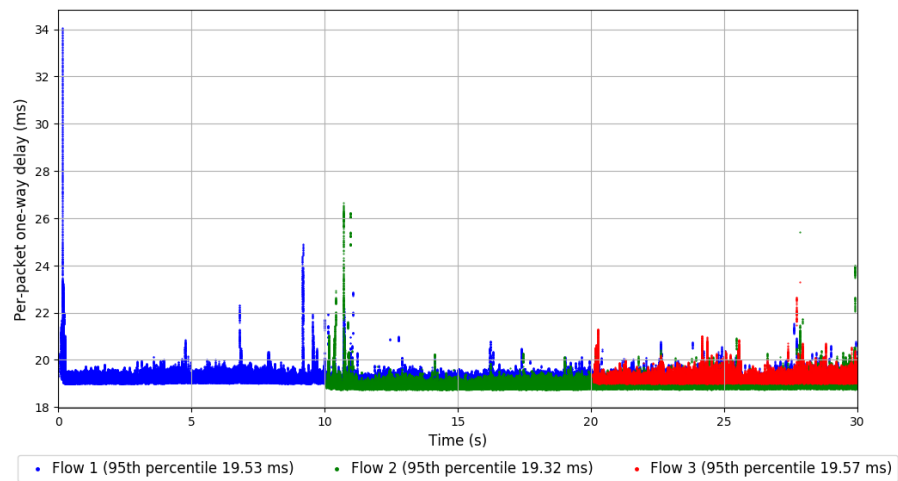
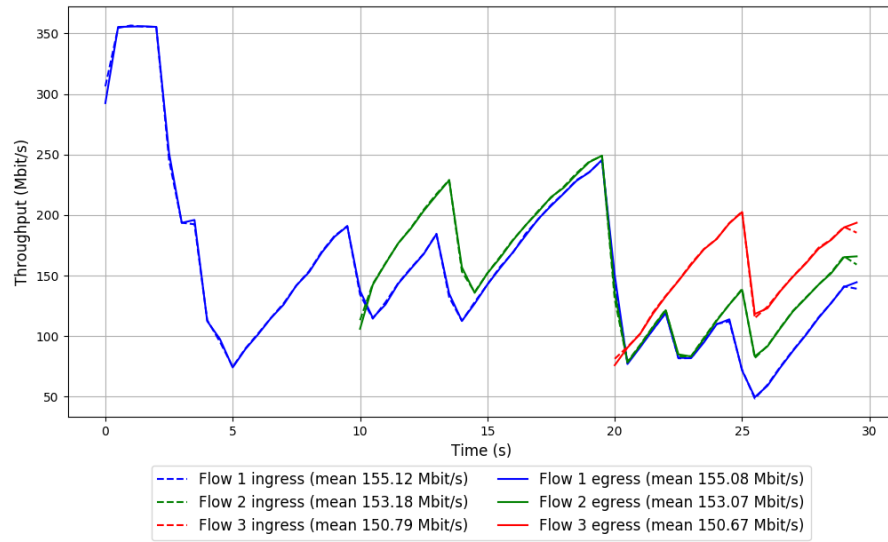


Run 1: Statistics of TCP Vegas

Start at: 2017-11-30 21:23:41
End at: 2017-11-30 21:24:11
Local clock offset: 0.02 ms
Remote clock offset: -0.804 ms

Below is generated by plot.py at 2017-12-01 03:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.00 Mbit/s
95th percentile per-packet one-way delay: 19.506 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 155.08 Mbit/s
95th percentile per-packet one-way delay: 19.534 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 153.07 Mbit/s
95th percentile per-packet one-way delay: 19.317 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 150.67 Mbit/s
95th percentile per-packet one-way delay: 19.570 ms
Loss rate: 0.08%

Run 1: Report of TCP Vegas — Data Link

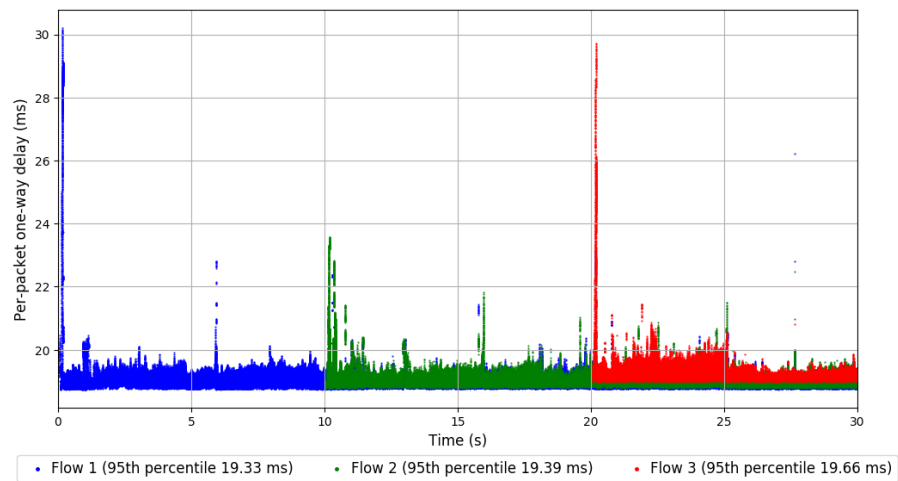
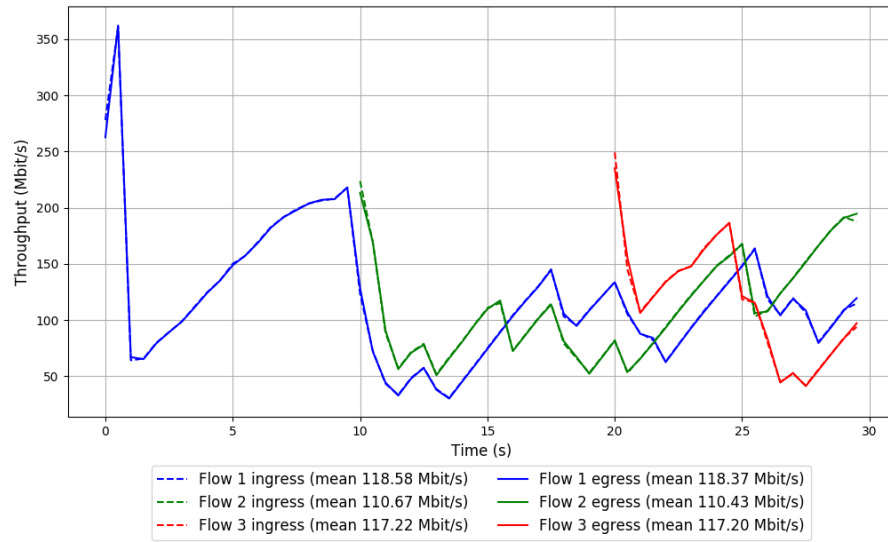


Run 2: Statistics of TCP Vegas

Start at: 2017-11-30 21:43:39
End at: 2017-11-30 21:44:09
Local clock offset: 0.147 ms
Remote clock offset: -0.871 ms

Below is generated by plot.py at 2017-12-01 03:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.80 Mbit/s
95th percentile per-packet one-way delay: 19.449 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 118.37 Mbit/s
95th percentile per-packet one-way delay: 19.330 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 110.43 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 117.20 Mbit/s
95th percentile per-packet one-way delay: 19.660 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-11-30 22:03:45

End at: 2017-11-30 22:04:15

Local clock offset: 0.457 ms

Remote clock offset: -0.86 ms

Below is generated by plot.py at 2017-12-01 03:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.42 Mbit/s

95th percentile per-packet one-way delay: 19.434 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 164.29 Mbit/s

95th percentile per-packet one-way delay: 19.404 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 157.44 Mbit/s

95th percentile per-packet one-way delay: 19.467 ms

Loss rate: 0.11%

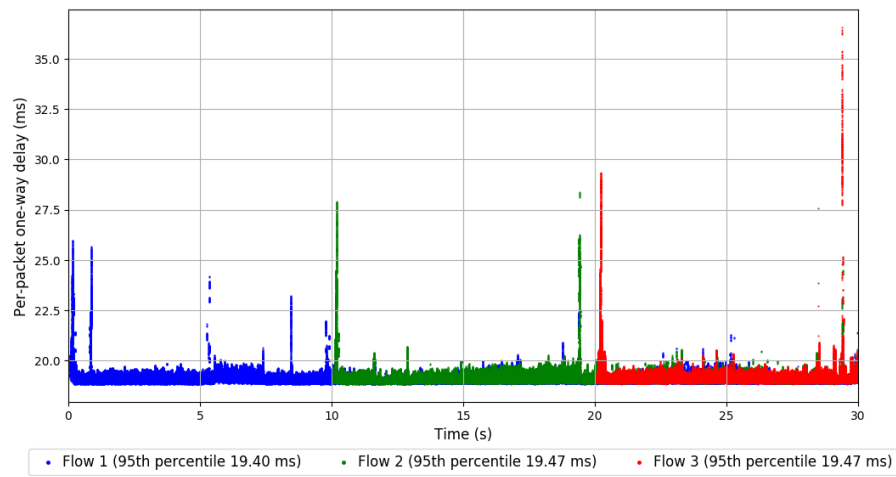
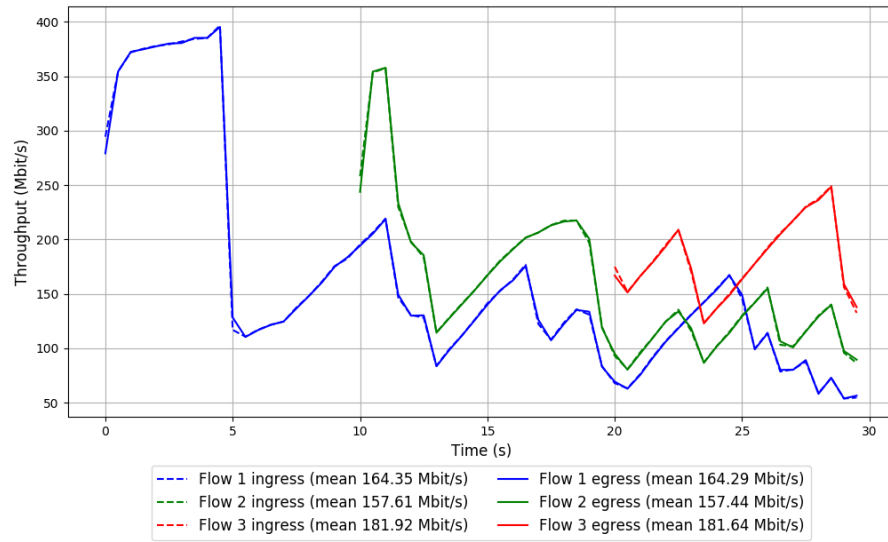
-- Flow 3:

Average throughput: 181.64 Mbit/s

95th percentile per-packet one-way delay: 19.467 ms

Loss rate: 0.15%

Run 3: Report of TCP Vegas — Data Link

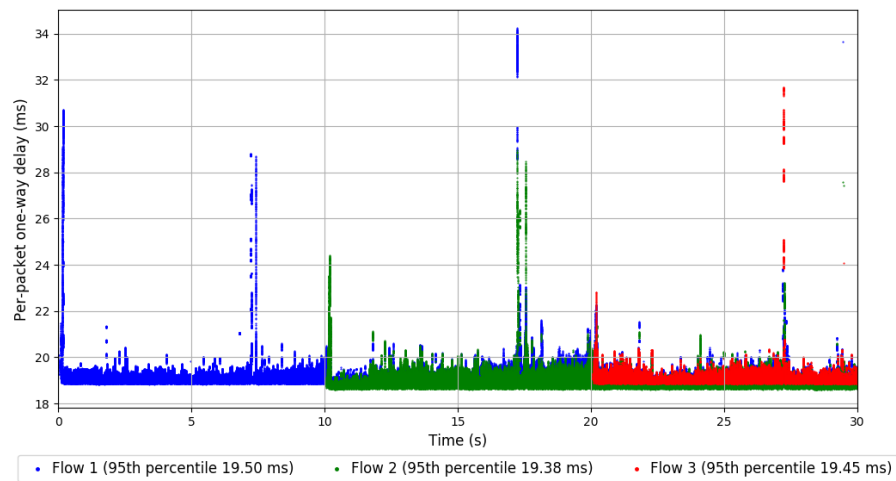
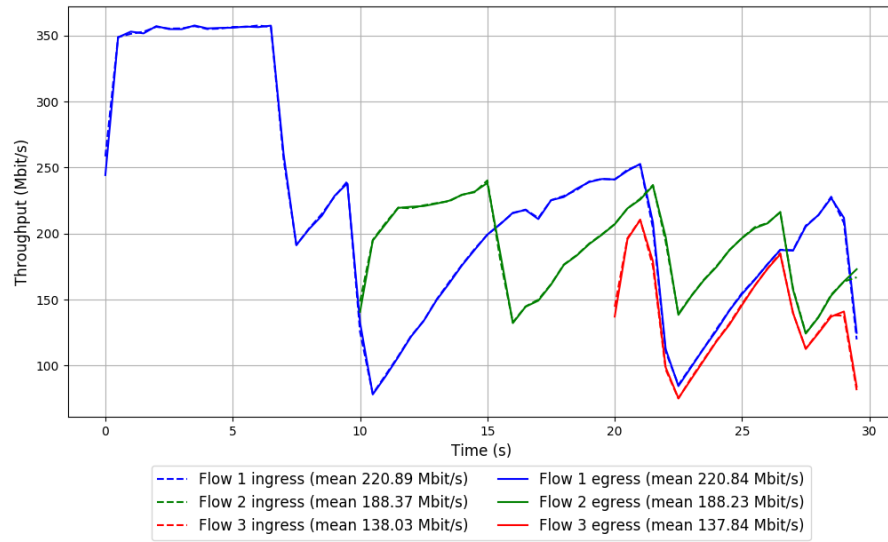


Run 4: Statistics of TCP Vegas

Start at: 2017-11-30 22:24:08
End at: 2017-11-30 22:24:38
Local clock offset: 0.633 ms
Remote clock offset: -1.079 ms

Below is generated by plot.py at 2017-12-01 03:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.90 Mbit/s
95th percentile per-packet one-way delay: 19.464 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 220.84 Mbit/s
95th percentile per-packet one-way delay: 19.498 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 188.23 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 137.84 Mbit/s
95th percentile per-packet one-way delay: 19.445 ms
Loss rate: 0.14%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-11-30 22:44:30

End at: 2017-11-30 22:45:00

Local clock offset: 0.672 ms

Remote clock offset: -0.98 ms

Below is generated by plot.py at 2017-12-01 03:37:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 431.54 Mbit/s

95th percentile per-packet one-way delay: 19.408 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 272.30 Mbit/s

95th percentile per-packet one-way delay: 17.913 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 159.89 Mbit/s

95th percentile per-packet one-way delay: 19.631 ms

Loss rate: 0.08%

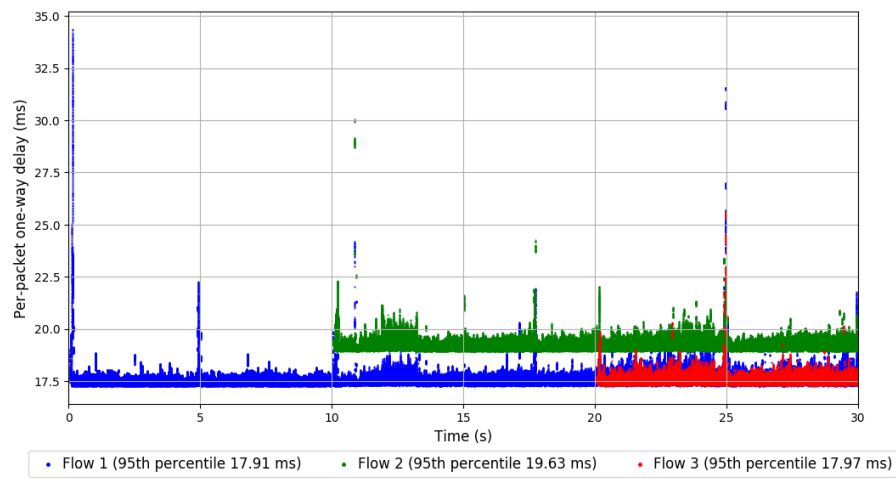
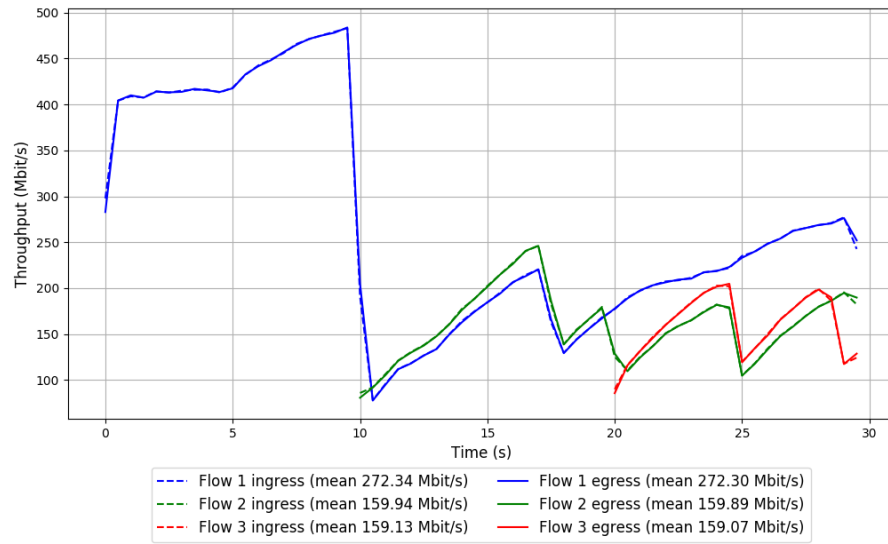
-- Flow 3:

Average throughput: 159.07 Mbit/s

95th percentile per-packet one-way delay: 17.972 ms

Loss rate: 0.04%

Run 5: Report of TCP Vegas — Data Link

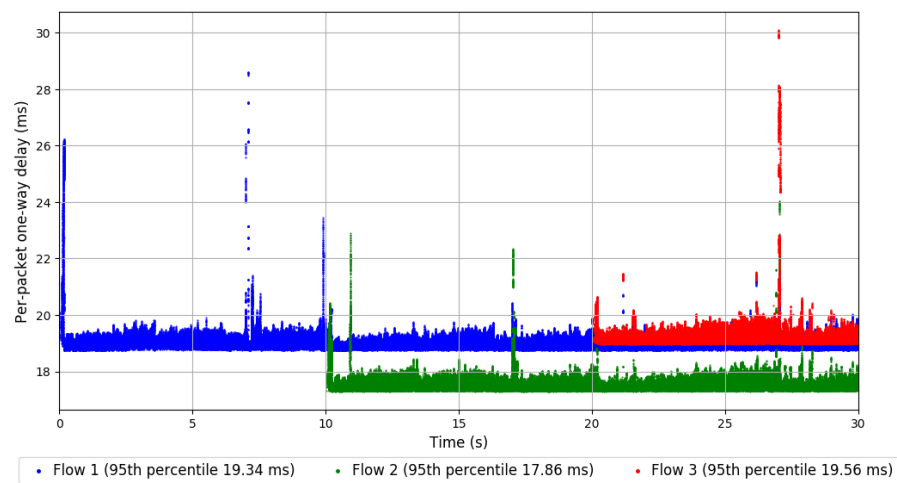
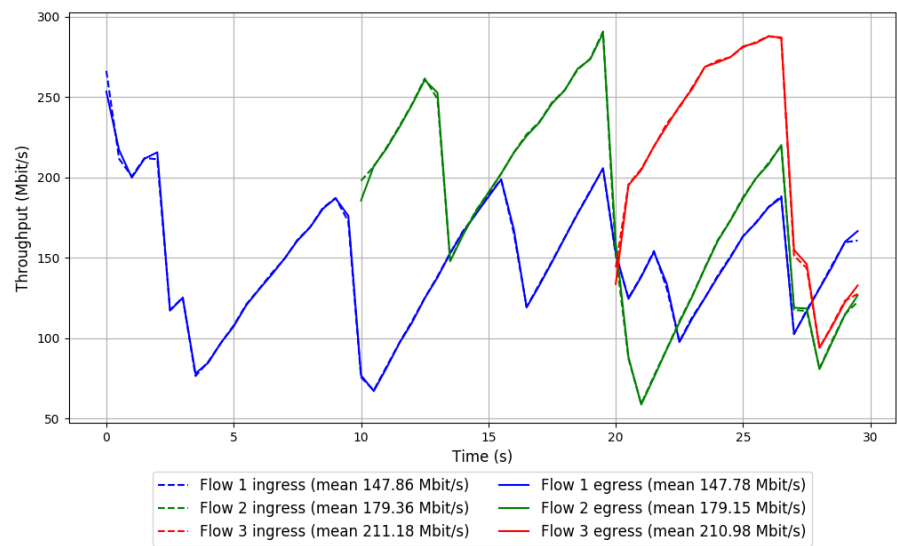


Run 6: Statistics of TCP Vegas

Start at: 2017-11-30 23:04:48
End at: 2017-11-30 23:05:18
Local clock offset: 0.747 ms
Remote clock offset: -0.962 ms

Below is generated by plot.py at 2017-12-01 03:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.12 Mbit/s
95th percentile per-packet one-way delay: 19.383 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 147.78 Mbit/s
95th percentile per-packet one-way delay: 19.338 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 179.15 Mbit/s
95th percentile per-packet one-way delay: 17.855 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 210.98 Mbit/s
95th percentile per-packet one-way delay: 19.563 ms
Loss rate: 0.10%

Run 6: Report of TCP Vegas — Data Link

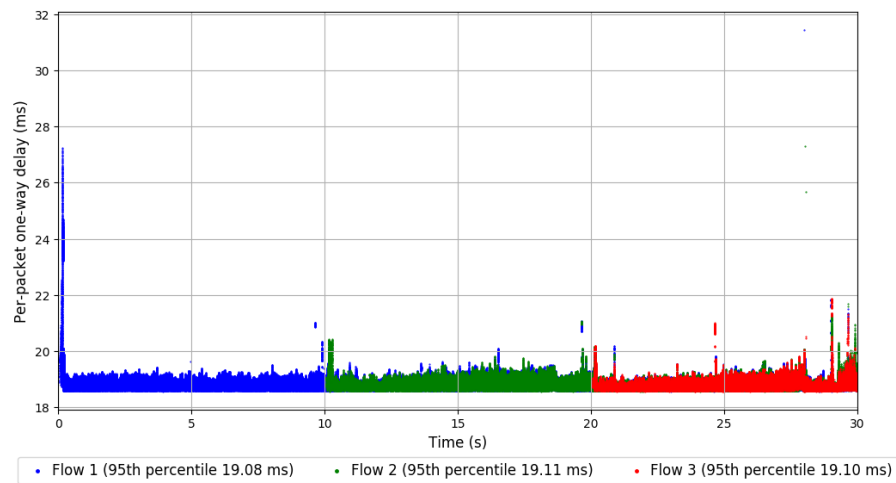
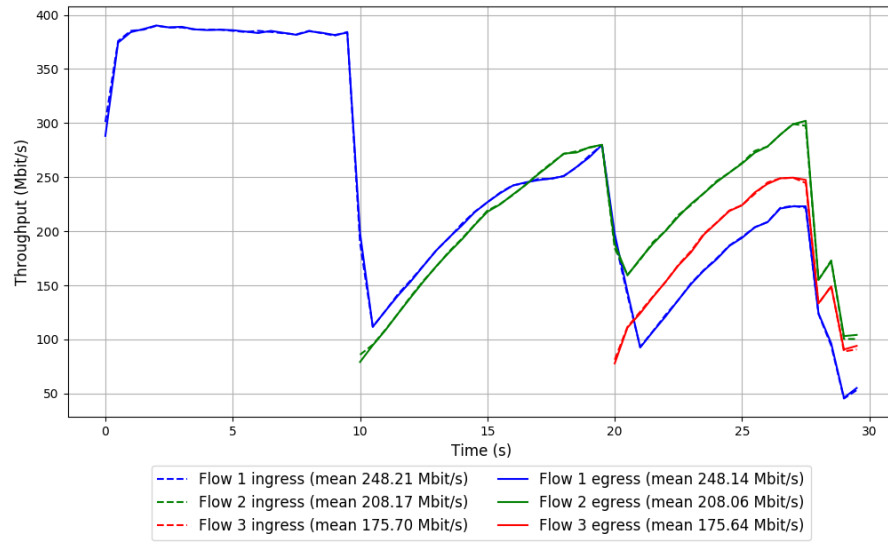


Run 7: Statistics of TCP Vegas

Start at: 2017-11-30 23:25:11
End at: 2017-11-30 23:25:41
Local clock offset: 0.865 ms
Remote clock offset: -0.965 ms

Below is generated by plot.py at 2017-12-01 03:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 444.95 Mbit/s
95th percentile per-packet one-way delay: 19.089 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 248.14 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 208.06 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 175.64 Mbit/s
95th percentile per-packet one-way delay: 19.098 ms
Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link

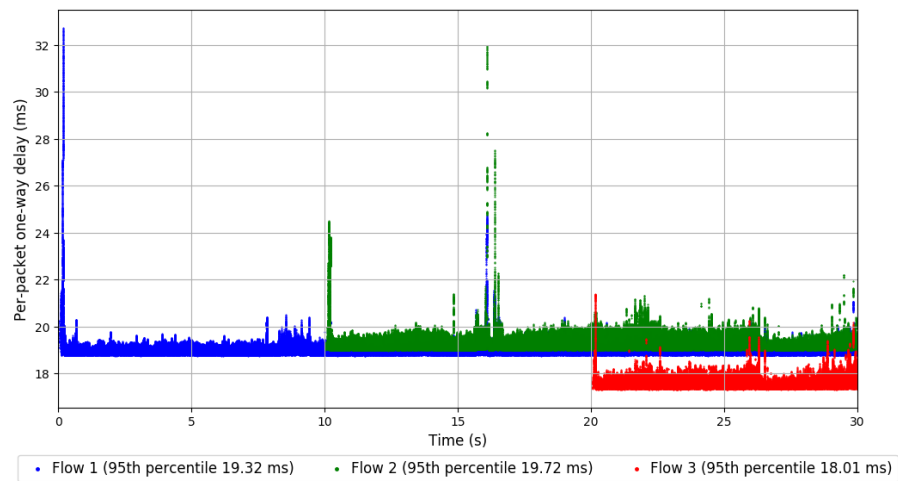
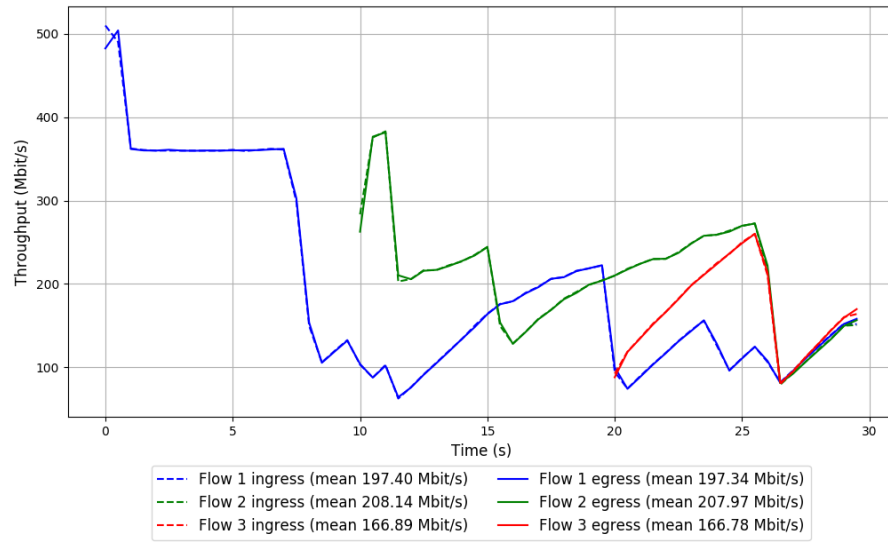


Run 8: Statistics of TCP Vegas

Start at: 2017-11-30 23:45:21
End at: 2017-11-30 23:45:51
Local clock offset: 0.822 ms
Remote clock offset: -0.939 ms

Below is generated by plot.py at 2017-12-01 03:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.18 Mbit/s
95th percentile per-packet one-way delay: 19.571 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 197.34 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 207.97 Mbit/s
95th percentile per-packet one-way delay: 19.720 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 166.78 Mbit/s
95th percentile per-packet one-way delay: 18.014 ms
Loss rate: 0.06%

Run 8: Report of TCP Vegas — Data Link

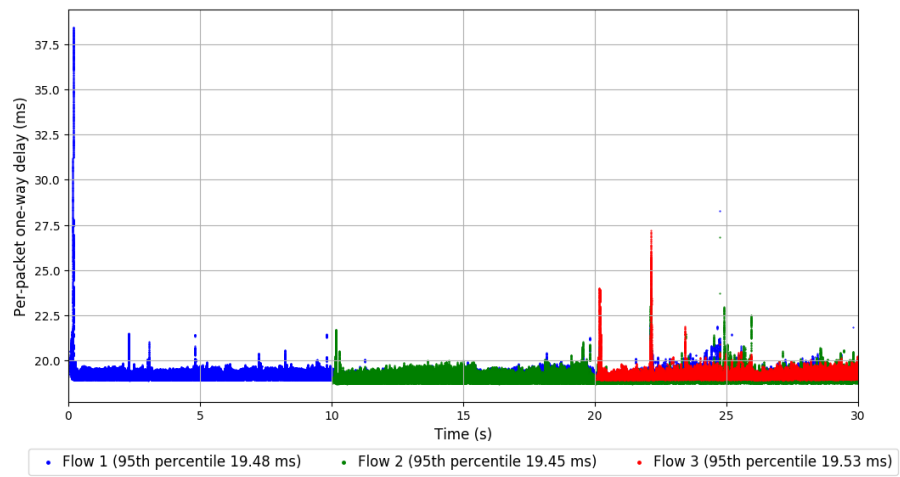
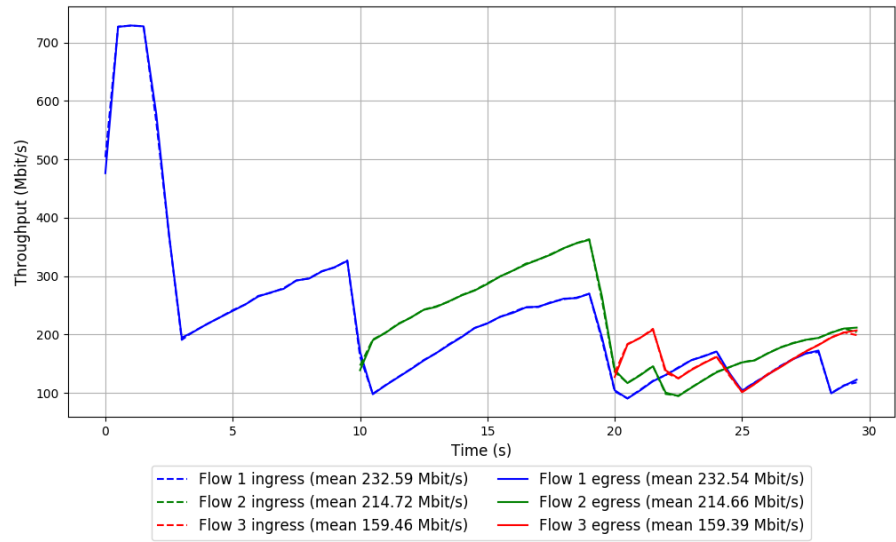


Run 9: Statistics of TCP Vegas

Start at: 2017-12-01 00:05:38
End at: 2017-12-01 00:06:08
Local clock offset: 0.852 ms
Remote clock offset: -1.039 ms

Below is generated by plot.py at 2017-12-01 03:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.39 Mbit/s
95th percentile per-packet one-way delay: 19.481 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 232.54 Mbit/s
95th percentile per-packet one-way delay: 19.483 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 214.66 Mbit/s
95th percentile per-packet one-way delay: 19.452 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 159.39 Mbit/s
95th percentile per-packet one-way delay: 19.532 ms
Loss rate: 0.04%

Run 9: Report of TCP Vegas — Data Link

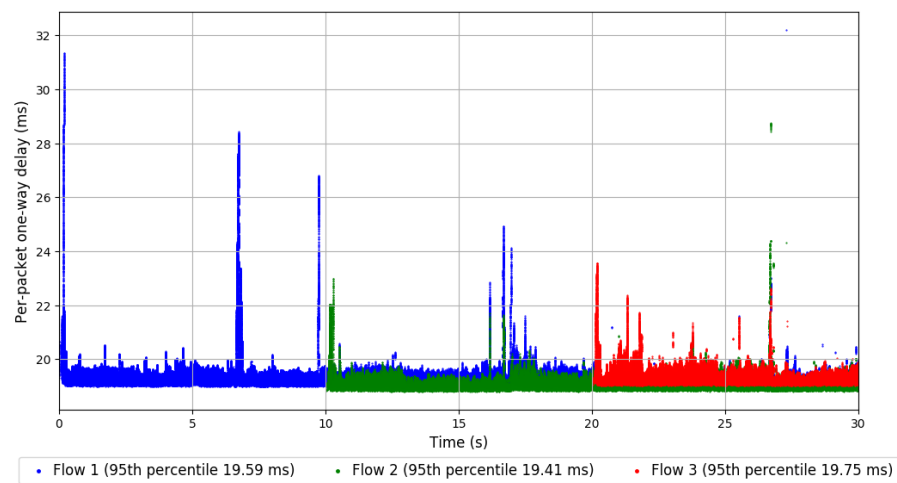
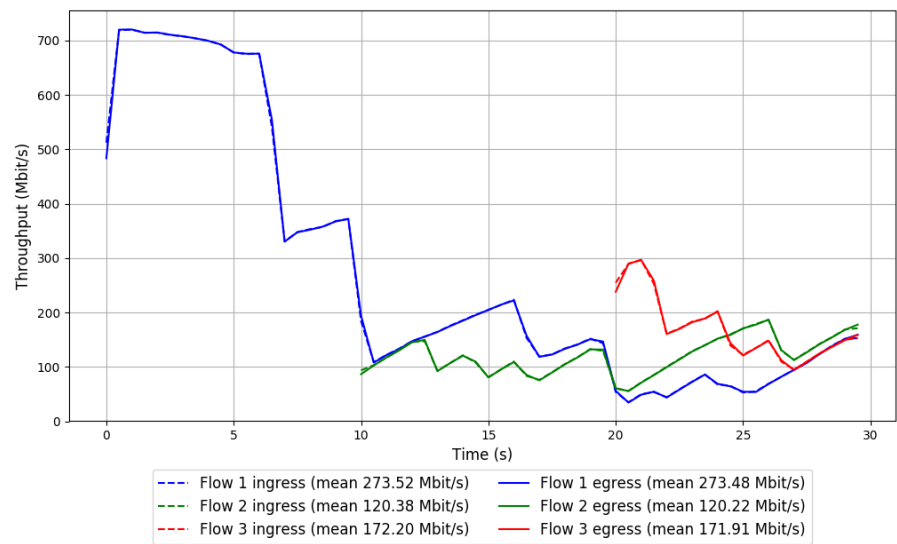


Run 10: Statistics of TCP Vegas

Start at: 2017-12-01 00:26:03
End at: 2017-12-01 00:26:33
Local clock offset: 0.83 ms
Remote clock offset: -1.245 ms

Below is generated by plot.py at 2017-12-01 03:37:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.60 Mbit/s
95th percentile per-packet one-way delay: 19.594 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 273.48 Mbit/s
95th percentile per-packet one-way delay: 19.585 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 120.22 Mbit/s
95th percentile per-packet one-way delay: 19.406 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 171.91 Mbit/s
95th percentile per-packet one-way delay: 19.752 ms
Loss rate: 0.16%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2017-11-30 21:35:37

End at: 2017-11-30 21:36:07

Local clock offset: 0.096 ms

Remote clock offset: -0.89 ms

Below is generated by plot.py at 2017-12-01 03:38:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.52 Mbit/s

95th percentile per-packet one-way delay: 44.521 ms

Loss rate: 18.76%

-- Flow 1:

Average throughput: 152.72 Mbit/s

95th percentile per-packet one-way delay: 51.716 ms

Loss rate: 25.27%

-- Flow 2:

Average throughput: 224.68 Mbit/s

95th percentile per-packet one-way delay: 25.458 ms

Loss rate: 13.99%

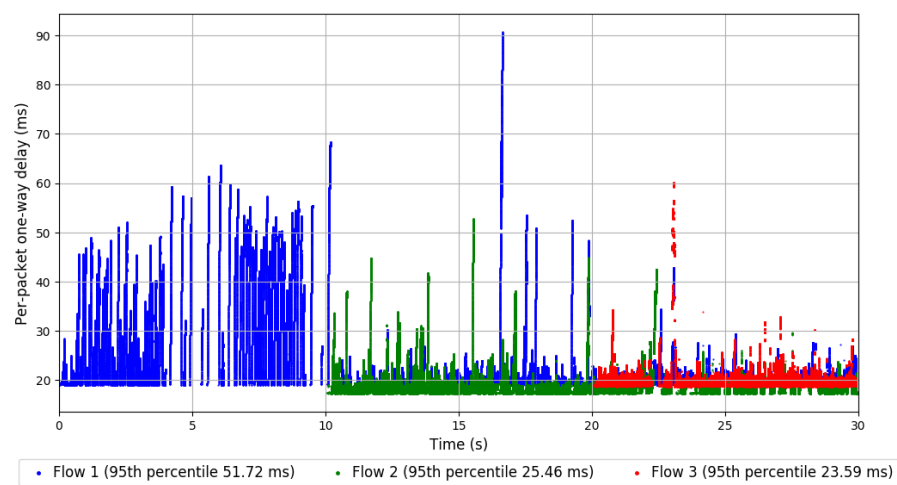
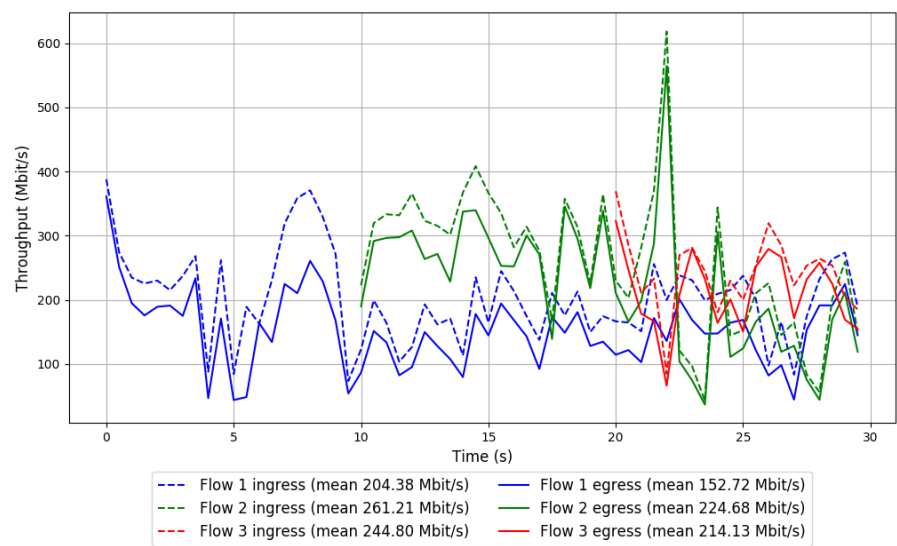
-- Flow 3:

Average throughput: 214.13 Mbit/s

95th percentile per-packet one-way delay: 23.595 ms

Loss rate: 12.53%

Run 1: Report of Verus — Data Link

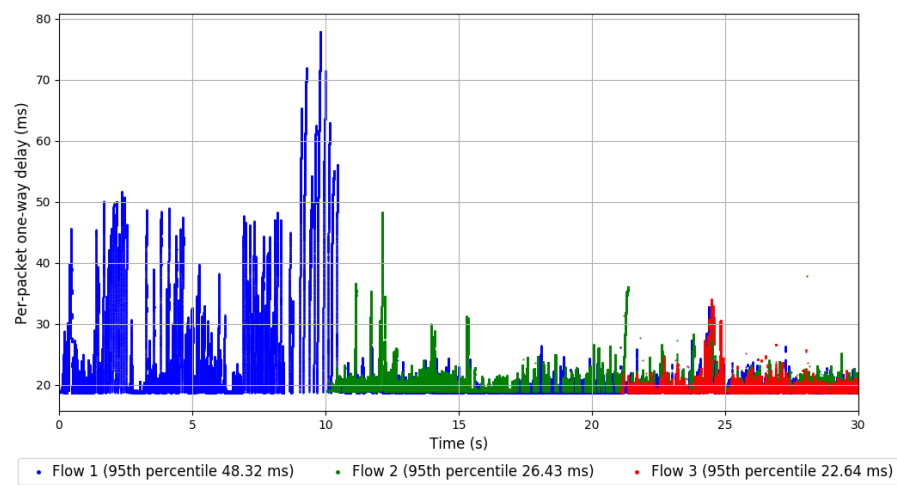
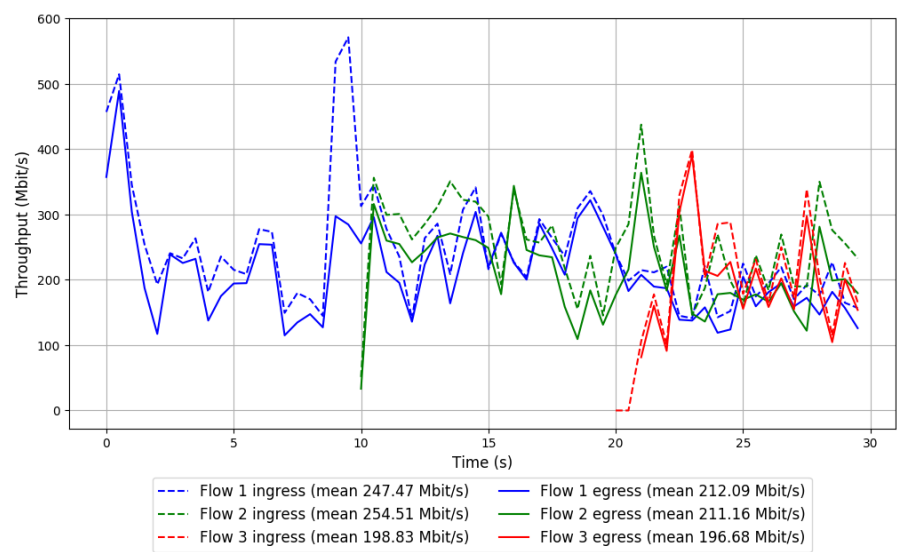


Run 2: Statistics of Verus

Start at: 2017-11-30 21:55:27
End at: 2017-11-30 21:55:57
Local clock offset: 0.283 ms
Remote clock offset: -0.905 ms

Below is generated by plot.py at 2017-12-01 03:39:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.97 Mbit/s
95th percentile per-packet one-way delay: 35.684 ms
Loss rate: 14.82%
-- Flow 1:
Average throughput: 212.09 Mbit/s
95th percentile per-packet one-way delay: 48.324 ms
Loss rate: 14.30%
-- Flow 2:
Average throughput: 211.16 Mbit/s
95th percentile per-packet one-way delay: 26.426 ms
Loss rate: 17.03%
-- Flow 3:
Average throughput: 196.68 Mbit/s
95th percentile per-packet one-way delay: 22.643 ms
Loss rate: 11.09%

Run 2: Report of Verus — Data Link

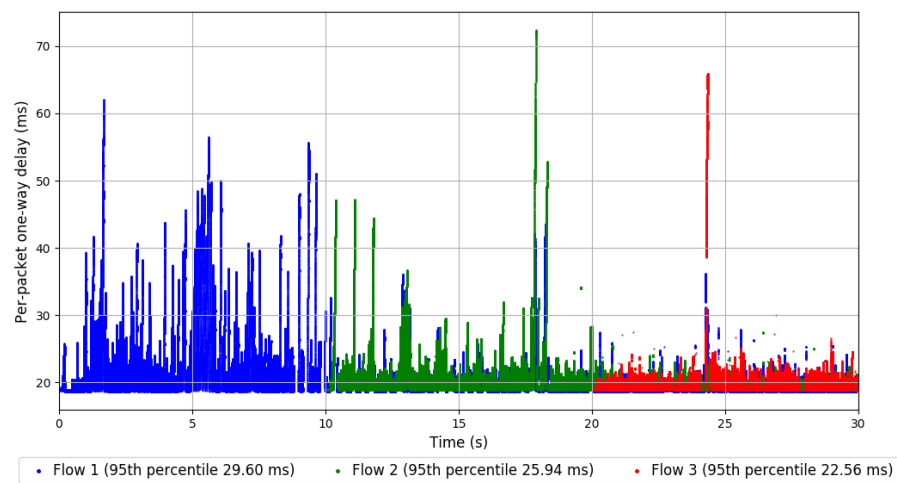
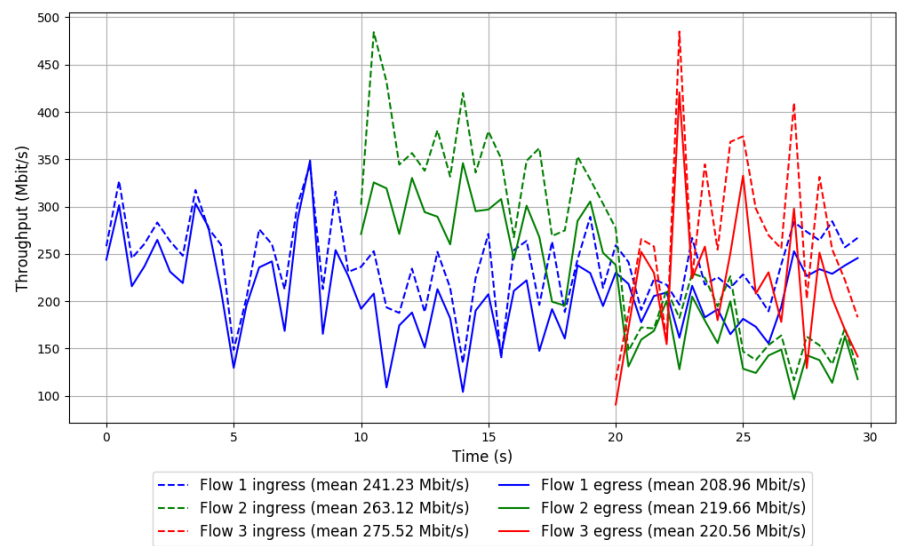


Run 3: Statistics of Verus

Start at: 2017-11-30 22:15:42
End at: 2017-11-30 22:16:12
Local clock offset: 0.572 ms
Remote clock offset: -1.136 ms

Below is generated by plot.py at 2017-12-01 03:42:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.04 Mbit/s
95th percentile per-packet one-way delay: 26.981 ms
Loss rate: 15.64%
-- Flow 1:
Average throughput: 208.96 Mbit/s
95th percentile per-packet one-way delay: 29.602 ms
Loss rate: 13.37%
-- Flow 2:
Average throughput: 219.66 Mbit/s
95th percentile per-packet one-way delay: 25.943 ms
Loss rate: 16.51%
-- Flow 3:
Average throughput: 220.56 Mbit/s
95th percentile per-packet one-way delay: 22.557 ms
Loss rate: 19.93%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-11-30 22:36:01

End at: 2017-11-30 22:36:31

Local clock offset: 0.714 ms

Remote clock offset: -0.97 ms

Below is generated by plot.py at 2017-12-01 03:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 404.75 Mbit/s

95th percentile per-packet one-way delay: 51.252 ms

Loss rate: 18.50%

-- Flow 1:

Average throughput: 228.45 Mbit/s

95th percentile per-packet one-way delay: 56.990 ms

Loss rate: 24.67%

-- Flow 2:

Average throughput: 185.49 Mbit/s

95th percentile per-packet one-way delay: 22.357 ms

Loss rate: 9.62%

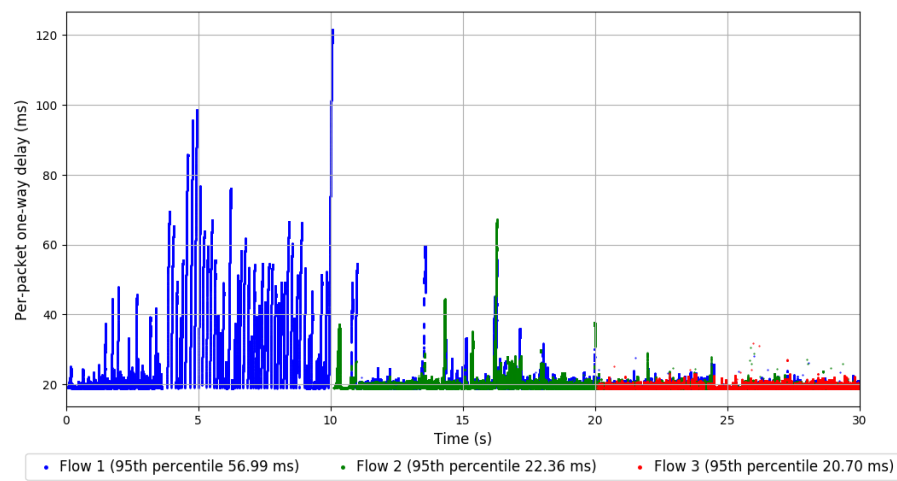
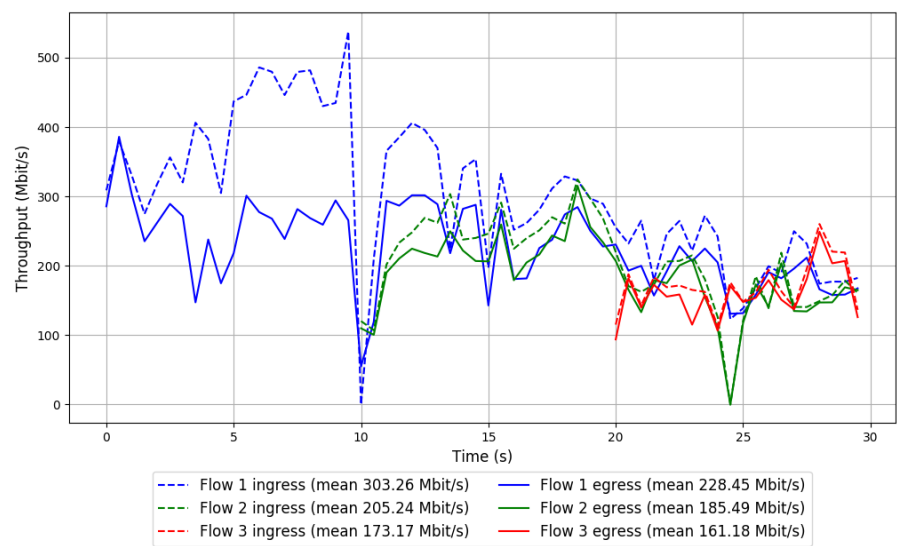
-- Flow 3:

Average throughput: 161.18 Mbit/s

95th percentile per-packet one-way delay: 20.702 ms

Loss rate: 6.93%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-11-30 22:56:26

End at: 2017-11-30 22:56:56

Local clock offset: 0.819 ms

Remote clock offset: -0.93 ms

Below is generated by plot.py at 2017-12-01 03:42:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.81 Mbit/s

95th percentile per-packet one-way delay: 30.486 ms

Loss rate: 13.79%

-- Flow 1:

Average throughput: 186.10 Mbit/s

95th percentile per-packet one-way delay: 36.236 ms

Loss rate: 14.66%

-- Flow 2:

Average throughput: 247.32 Mbit/s

95th percentile per-packet one-way delay: 24.369 ms

Loss rate: 13.67%

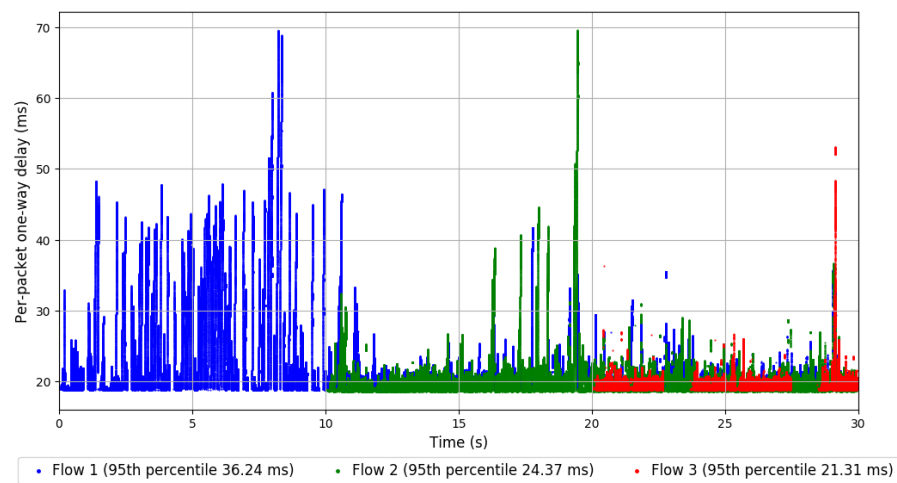
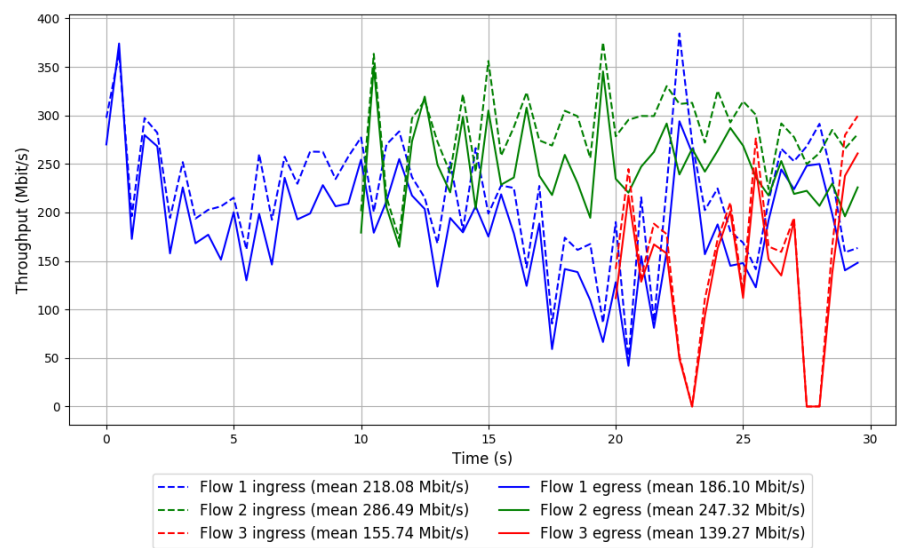
-- Flow 3:

Average throughput: 139.27 Mbit/s

95th percentile per-packet one-way delay: 21.310 ms

Loss rate: 10.58%

Run 5: Report of Verus — Data Link

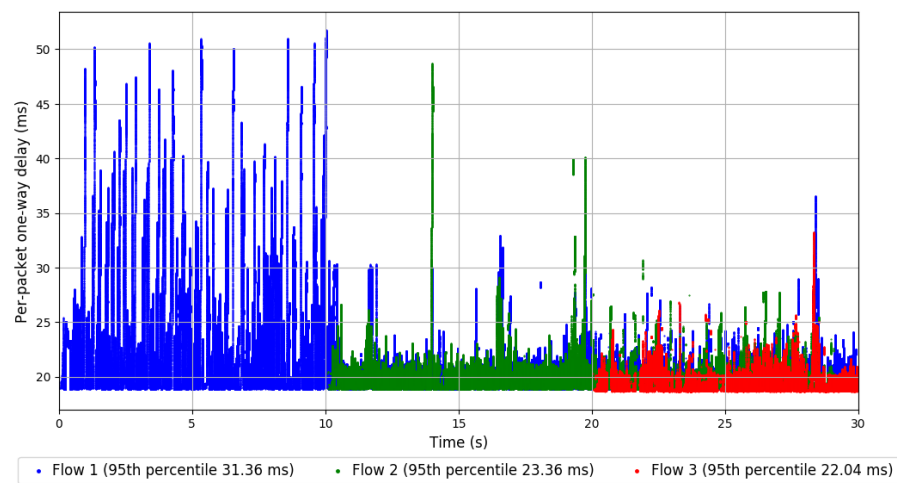
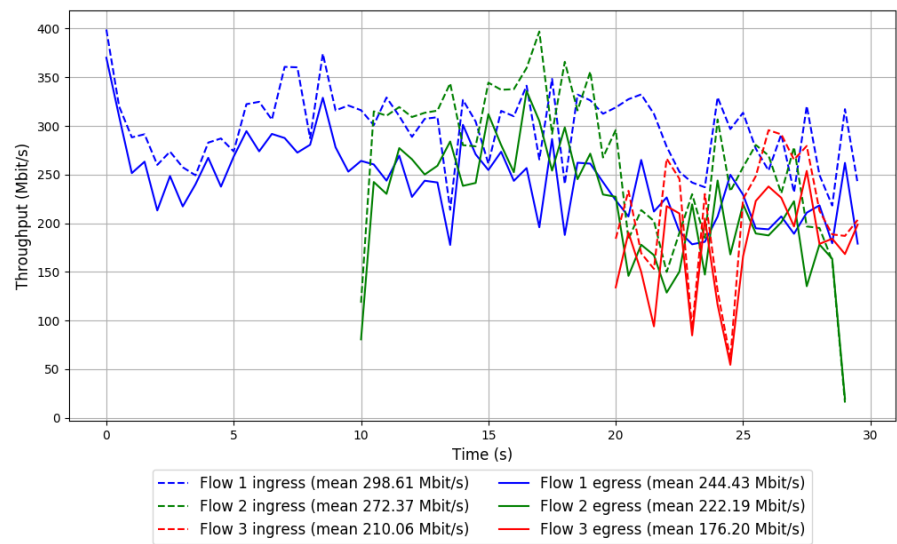


Run 6: Statistics of Verus

Start at: 2017-11-30 23:16:46
End at: 2017-11-30 23:17:16
Local clock offset: 0.855 ms
Remote clock offset: -0.984 ms

Below is generated by plot.py at 2017-12-01 03:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 443.48 Mbit/s
95th percentile per-packet one-way delay: 27.583 ms
Loss rate: 17.97%
-- Flow 1:
Average throughput: 244.43 Mbit/s
95th percentile per-packet one-way delay: 31.360 ms
Loss rate: 18.14%
-- Flow 2:
Average throughput: 222.19 Mbit/s
95th percentile per-packet one-way delay: 23.365 ms
Loss rate: 18.42%
-- Flow 3:
Average throughput: 176.20 Mbit/s
95th percentile per-packet one-way delay: 22.040 ms
Loss rate: 16.13%

Run 6: Report of Verus — Data Link

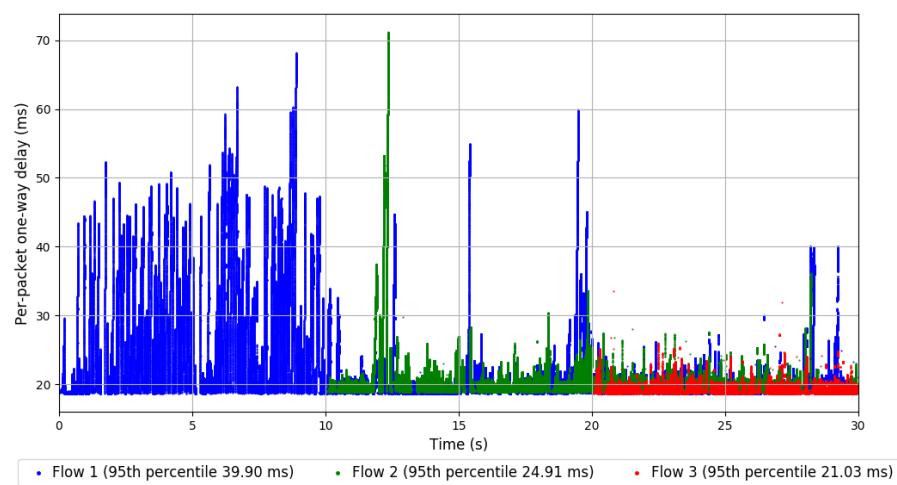
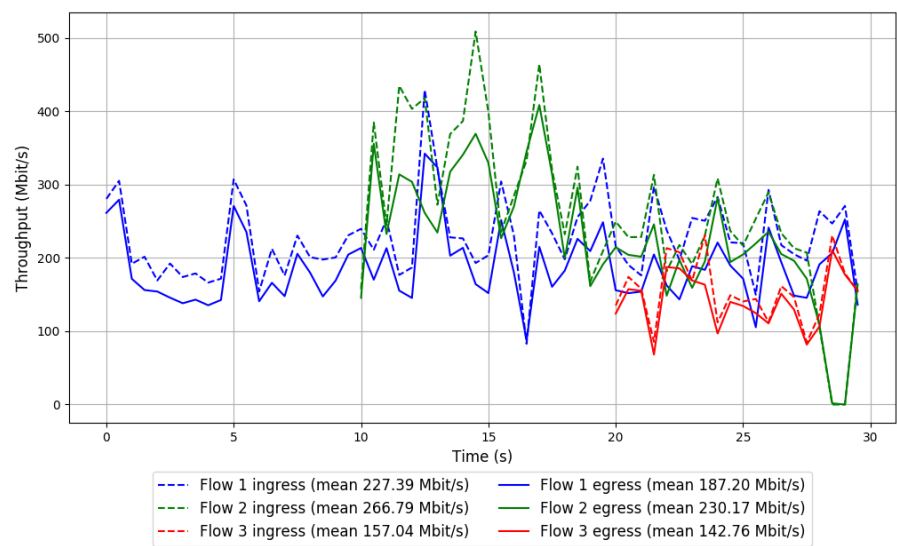


Run 7: Statistics of Verus

Start at: 2017-11-30 23:37:06
End at: 2017-11-30 23:37:36
Local clock offset: 0.807 ms
Remote clock offset: -0.946 ms

Below is generated by plot.py at 2017-12-01 03:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.67 Mbit/s
95th percentile per-packet one-way delay: 34.050 ms
Loss rate: 15.16%
-- Flow 1:
Average throughput: 187.20 Mbit/s
95th percentile per-packet one-way delay: 39.898 ms
Loss rate: 17.67%
-- Flow 2:
Average throughput: 230.17 Mbit/s
95th percentile per-packet one-way delay: 24.909 ms
Loss rate: 13.73%
-- Flow 3:
Average throughput: 142.76 Mbit/s
95th percentile per-packet one-way delay: 21.031 ms
Loss rate: 9.09%

Run 7: Report of Verus — Data Link

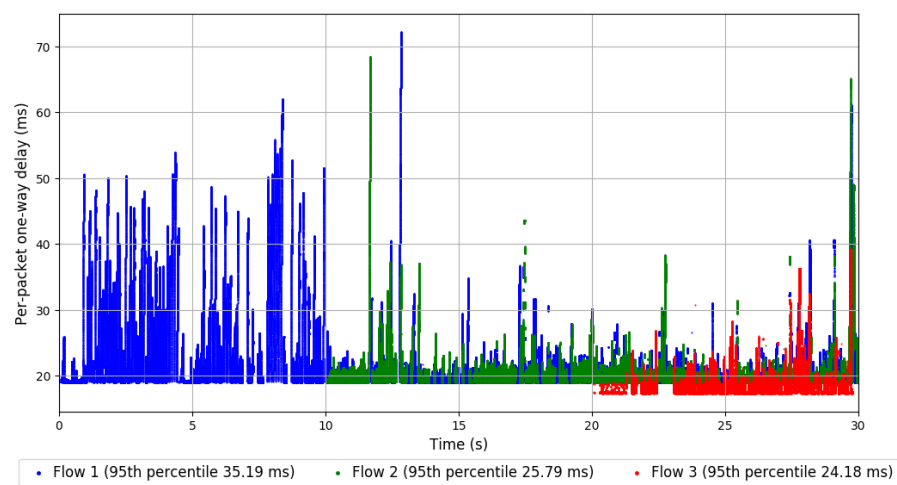
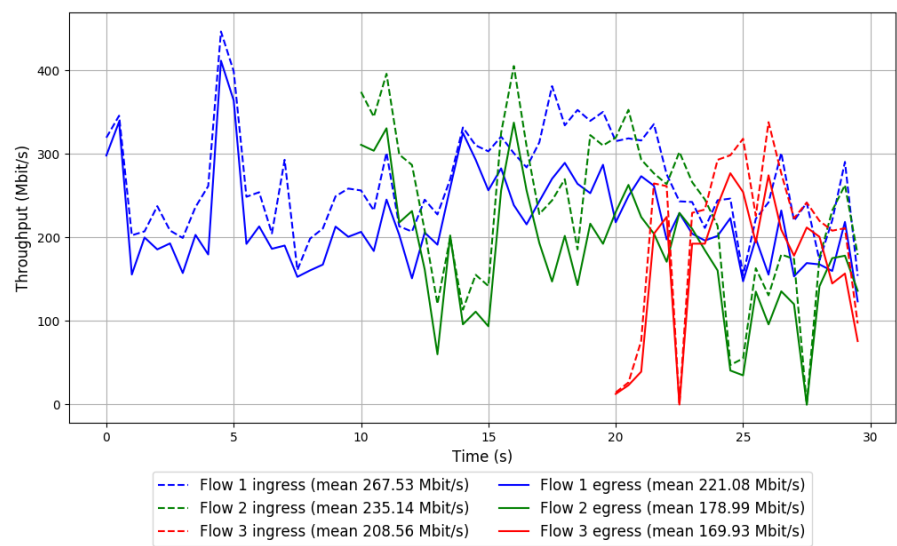


Run 8: Statistics of Verus

Start at: 2017-11-30 23:57:17
End at: 2017-11-30 23:57:47
Local clock offset: 0.844 ms
Remote clock offset: -0.973 ms

Below is generated by plot.py at 2017-12-01 03:44:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.98 Mbit/s
95th percentile per-packet one-way delay: 31.237 ms
Loss rate: 19.60%
-- Flow 1:
Average throughput: 221.08 Mbit/s
95th percentile per-packet one-way delay: 35.189 ms
Loss rate: 17.36%
-- Flow 2:
Average throughput: 178.99 Mbit/s
95th percentile per-packet one-way delay: 25.789 ms
Loss rate: 23.87%
-- Flow 3:
Average throughput: 169.93 Mbit/s
95th percentile per-packet one-way delay: 24.180 ms
Loss rate: 18.53%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-12-01 00:17:37

End at: 2017-12-01 00:18:07

Local clock offset: 0.926 ms

Remote clock offset: -1.26 ms

Below is generated by plot.py at 2017-12-01 03:44:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.12 Mbit/s

95th percentile per-packet one-way delay: 28.910 ms

Loss rate: 13.71%

-- Flow 1:

Average throughput: 218.02 Mbit/s

95th percentile per-packet one-way delay: 35.656 ms

Loss rate: 17.86%

-- Flow 2:

Average throughput: 237.78 Mbit/s

95th percentile per-packet one-way delay: 22.413 ms

Loss rate: 8.35%

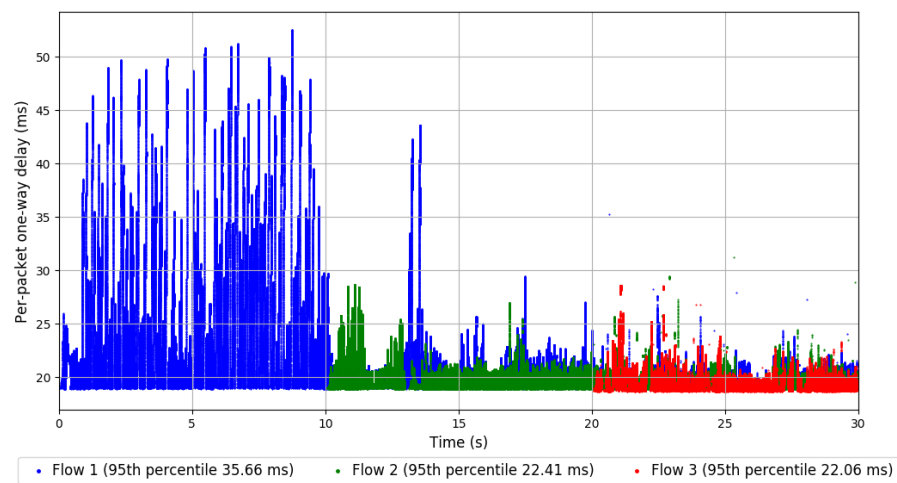
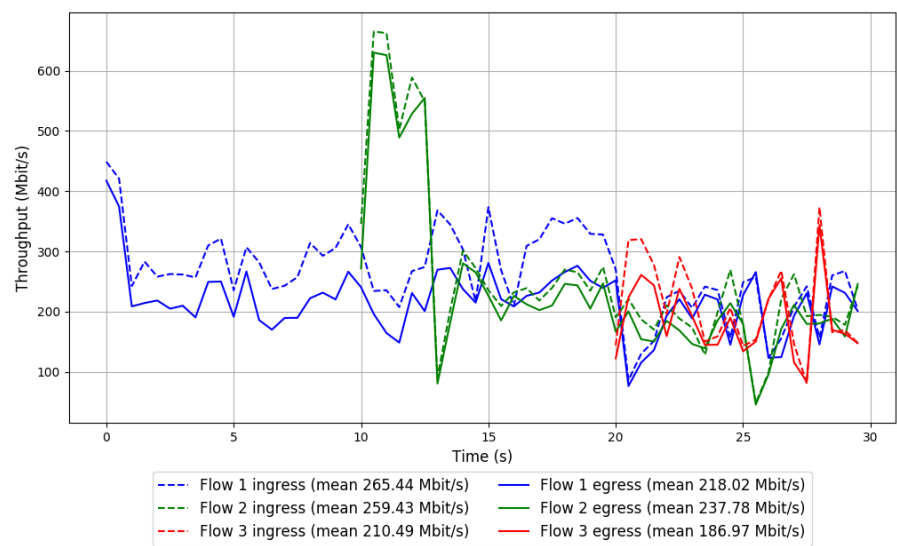
-- Flow 3:

Average throughput: 186.97 Mbit/s

95th percentile per-packet one-way delay: 22.061 ms

Loss rate: 11.16%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-12-01 00:37:39

End at: 2017-12-01 00:38:09

Local clock offset: 0.812 ms

Remote clock offset: -1.41 ms

Below is generated by plot.py at 2017-12-01 03:46:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.56 Mbit/s

95th percentile per-packet one-way delay: 36.433 ms

Loss rate: 15.79%

-- Flow 1:

Average throughput: 210.88 Mbit/s

95th percentile per-packet one-way delay: 42.001 ms

Loss rate: 19.62%

-- Flow 2:

Average throughput: 184.09 Mbit/s

95th percentile per-packet one-way delay: 21.955 ms

Loss rate: 11.98%

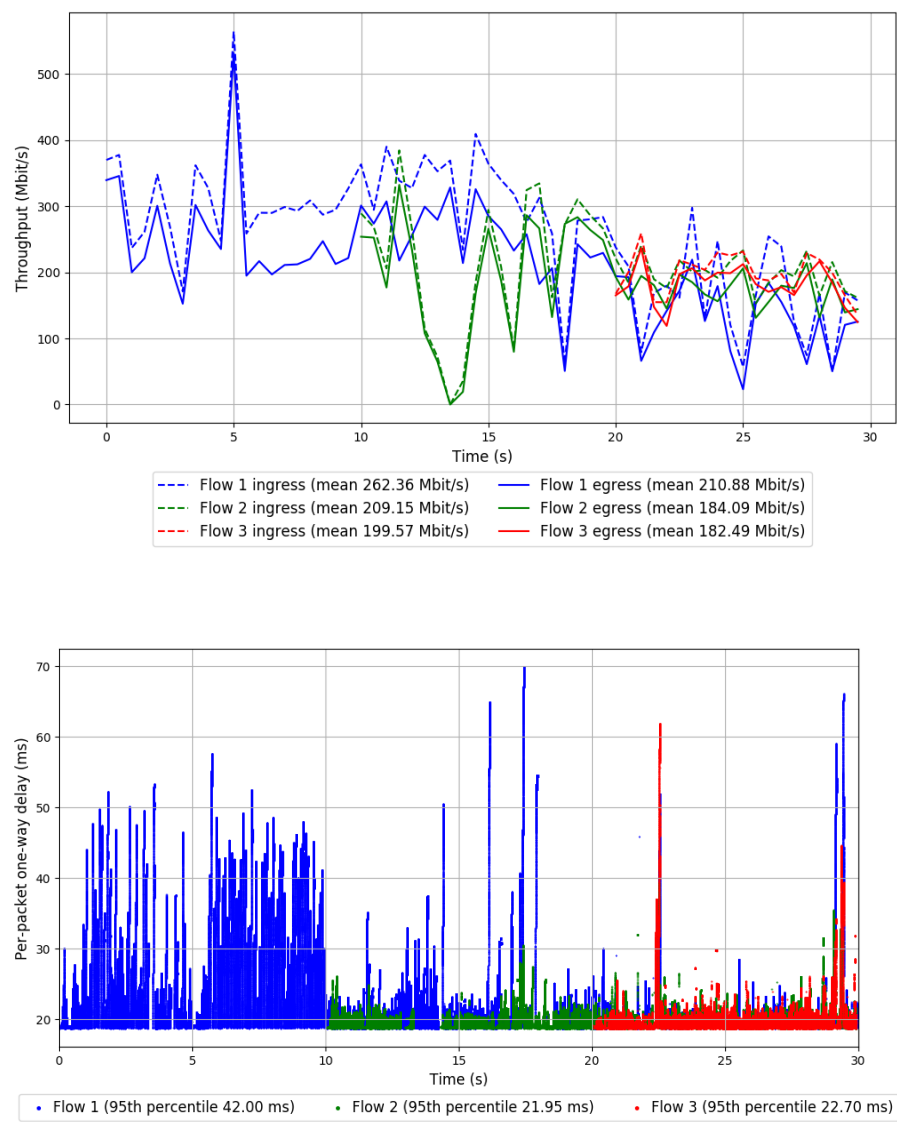
-- Flow 3:

Average throughput: 182.49 Mbit/s

95th percentile per-packet one-way delay: 22.698 ms

Loss rate: 8.55%

Run 10: Report of Verus — Data Link

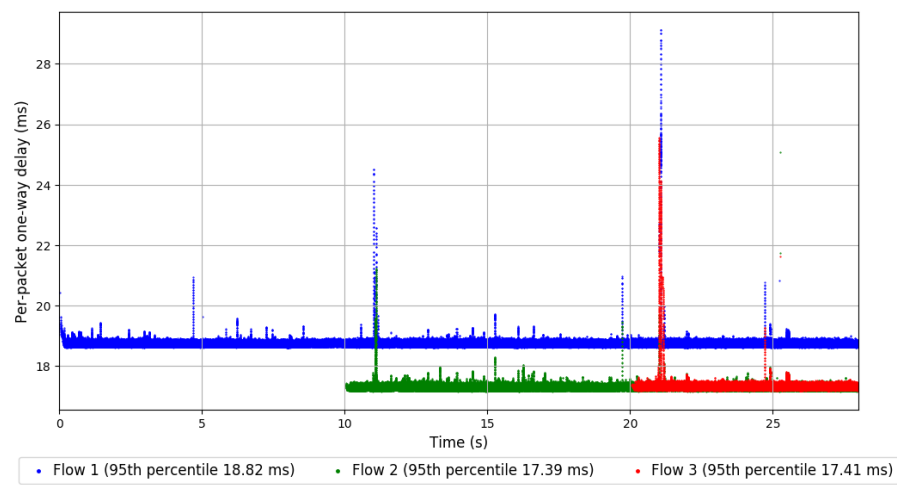
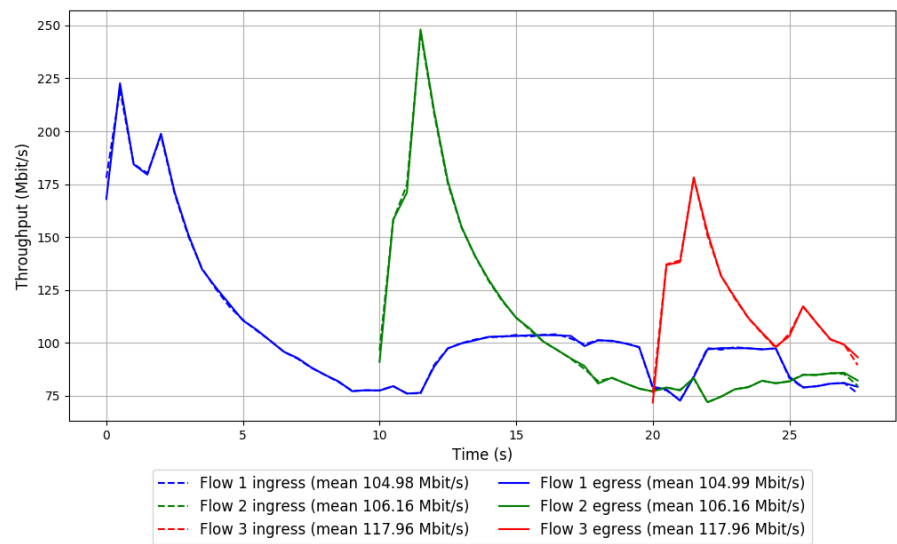


Run 1: Statistics of Copa

Start at: 2017-11-30 21:16:57
End at: 2017-11-30 21:17:27
Local clock offset: 0.084 ms
Remote clock offset: -0.825 ms

Below is generated by plot.py at 2017-12-01 03:47:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.53 Mbit/s
95th percentile per-packet one-way delay: 18.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.99 Mbit/s
95th percentile per-packet one-way delay: 18.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 106.16 Mbit/s
95th percentile per-packet one-way delay: 17.385 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.96 Mbit/s
95th percentile per-packet one-way delay: 17.408 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

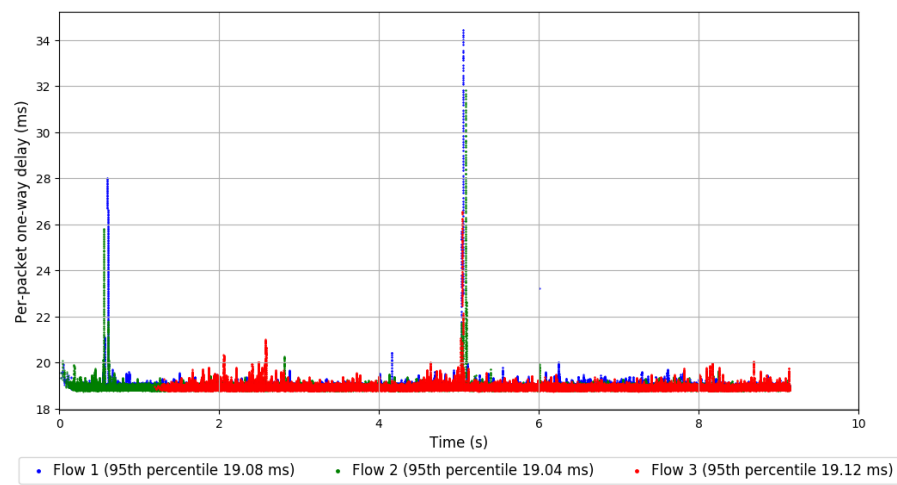
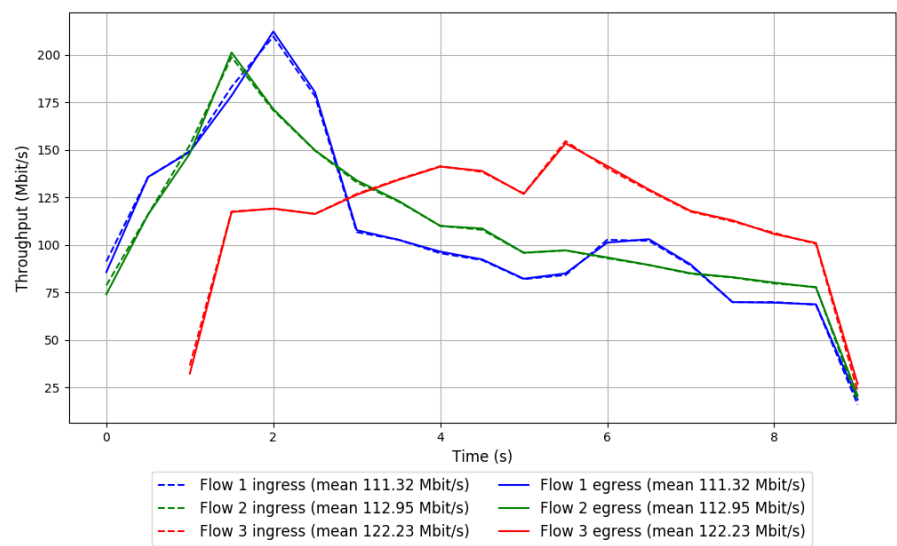
Start at: 2017-11-30 21:37:10

End at: 2017-11-30 21:37:40

Local clock offset: 0.215 ms

Remote clock offset: -0.882 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

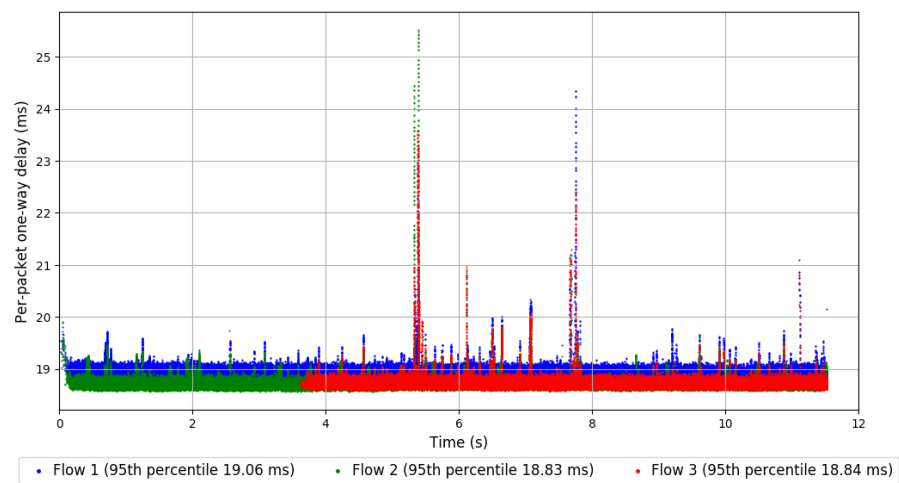
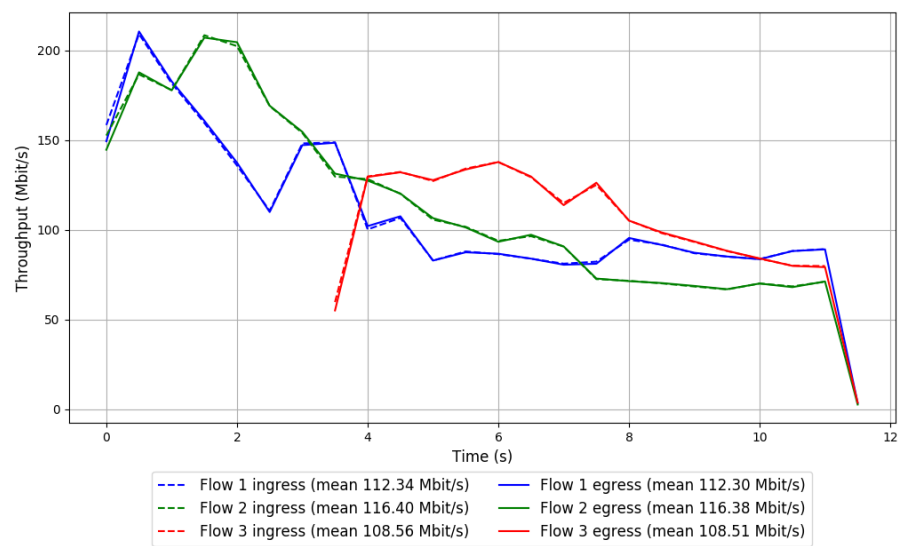
Start at: 2017-11-30 21:57:02

End at: 2017-11-30 21:57:32

Local clock offset: 0.4 ms

Remote clock offset: -0.871 ms

Run 3: Report of Copa — Data Link

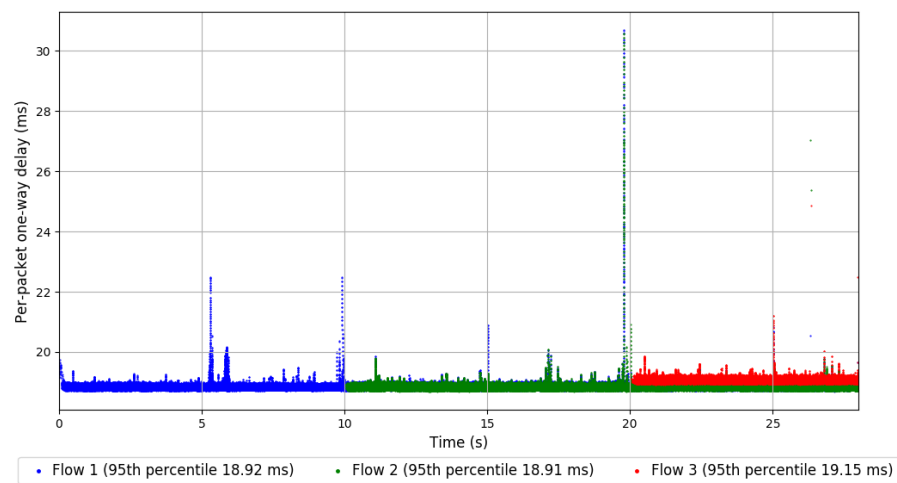
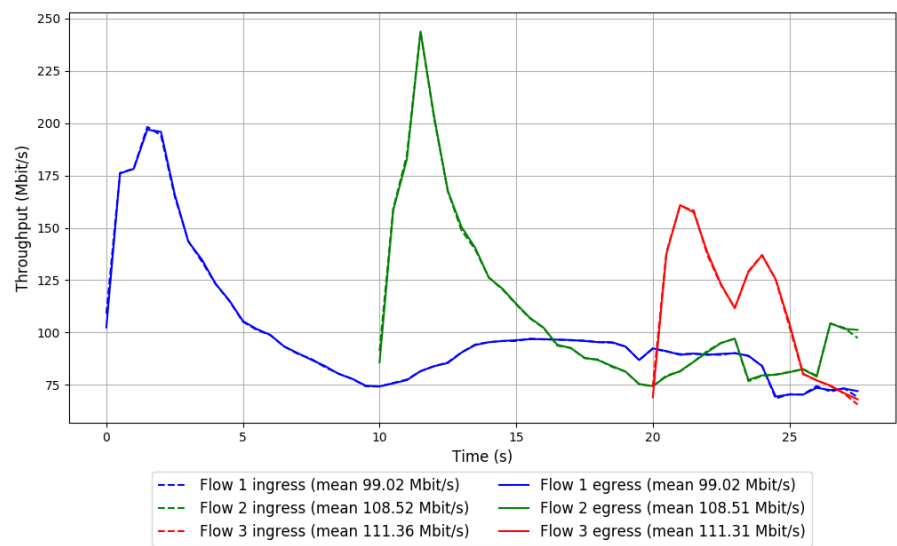


Run 4: Statistics of Copa

Start at: 2017-11-30 22:17:18
End at: 2017-11-30 22:17:48
Local clock offset: 0.488 ms
Remote clock offset: -1.108 ms

```
# Below is generated by plot.py at 2017-12-01 03:48:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 200.22 Mbit/s
95th percentile per-packet one-way delay: 19.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.02 Mbit/s
95th percentile per-packet one-way delay: 18.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.51 Mbit/s
95th percentile per-packet one-way delay: 18.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 111.31 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

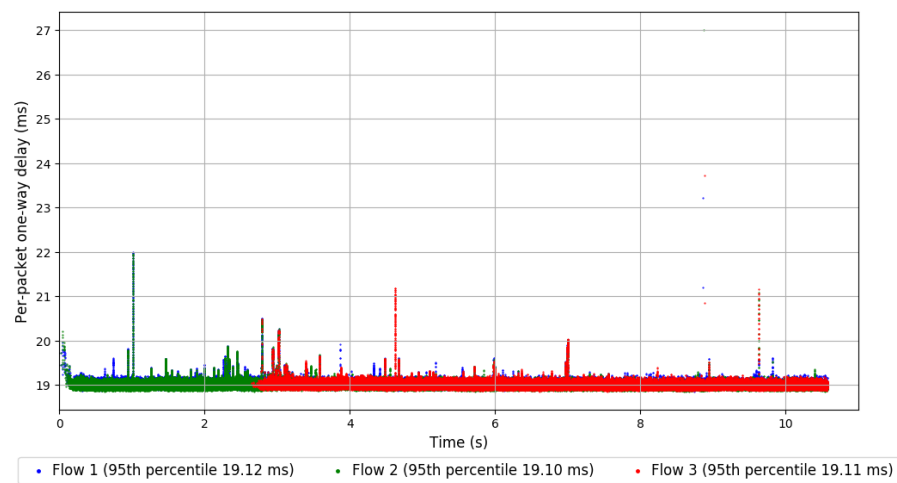
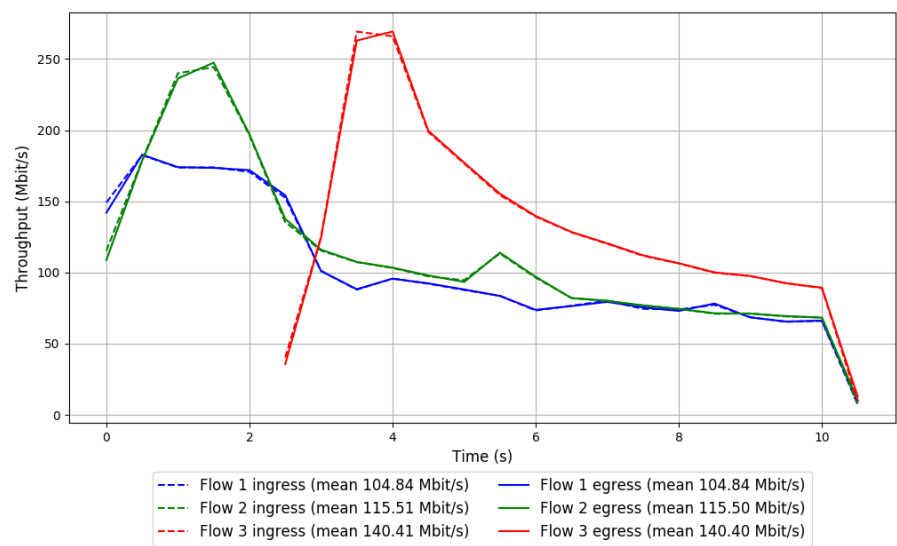
Start at: 2017-11-30 22:37:36

End at: 2017-11-30 22:38:06

Local clock offset: 0.721 ms

Remote clock offset: -0.946 ms

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

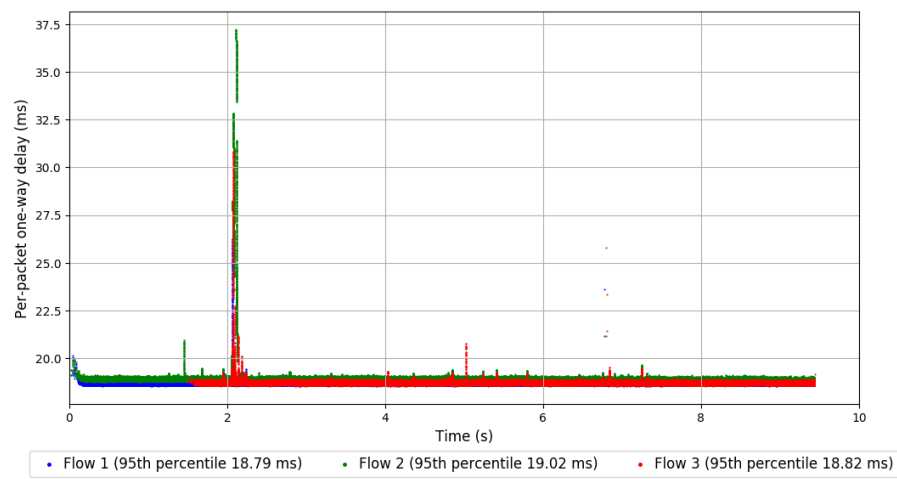
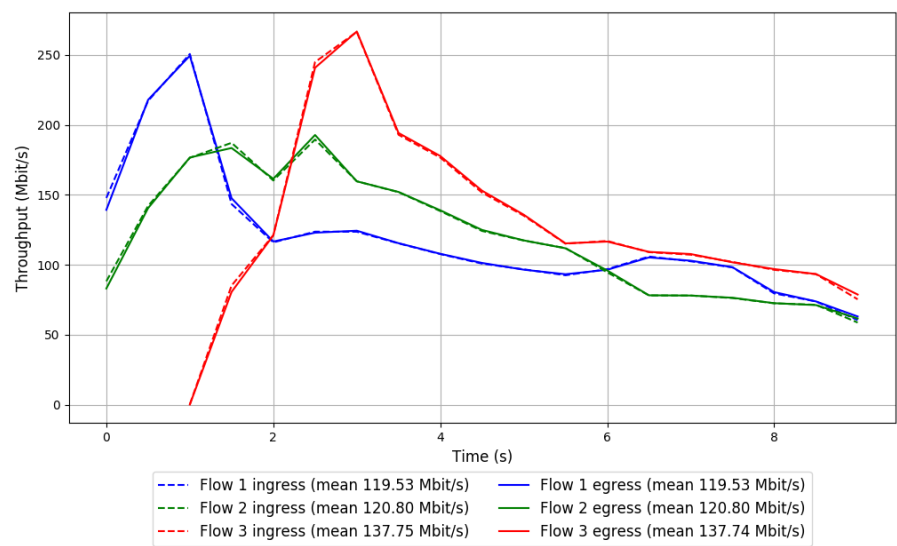
Start at: 2017-11-30 22:58:00

End at: 2017-11-30 22:58:30

Local clock offset: 0.818 ms

Remote clock offset: -0.972 ms

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

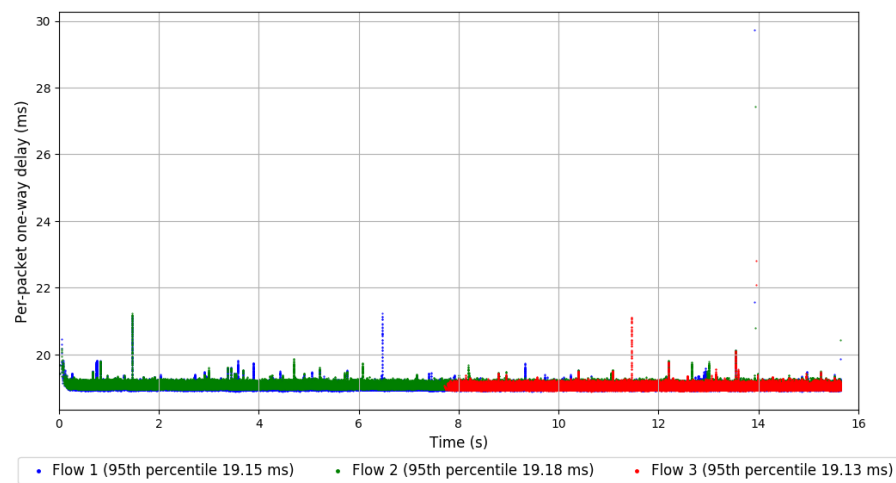
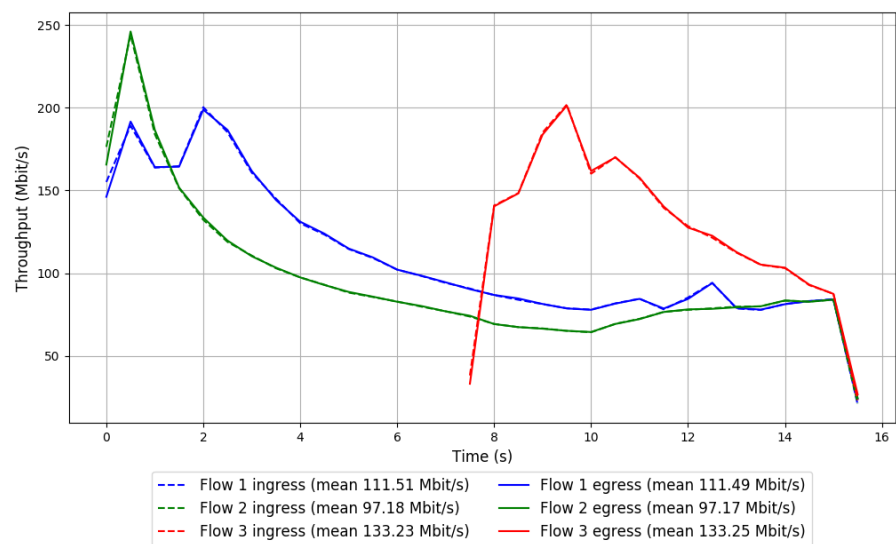
Start at: 2017-11-30 23:18:23

End at: 2017-11-30 23:18:53

Local clock offset: 0.774 ms

Remote clock offset: -0.946 ms

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

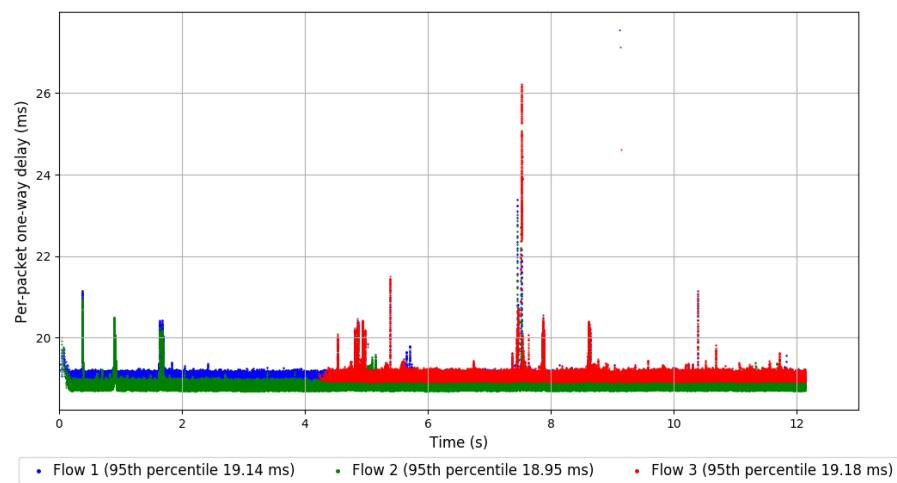
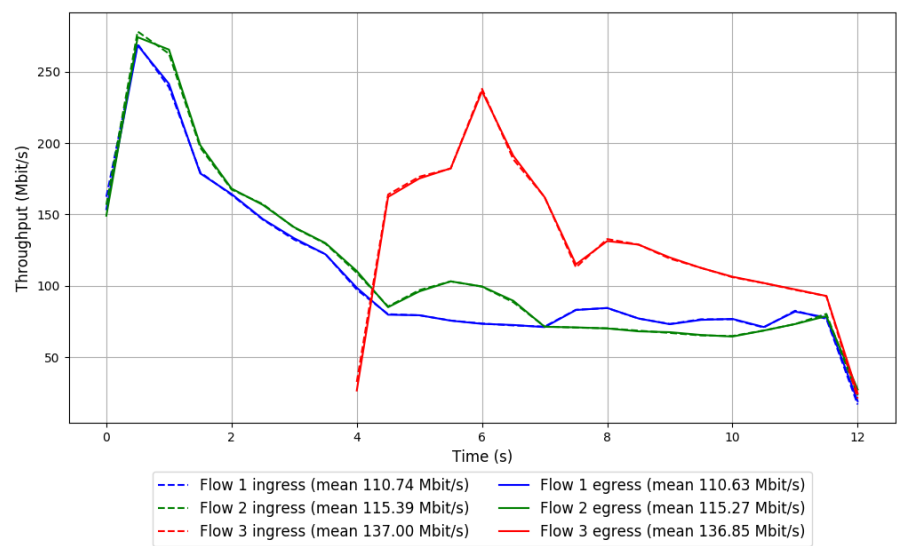
Start at: 2017-11-30 23:38:40

End at: 2017-11-30 23:39:10

Local clock offset: 0.792 ms

Remote clock offset: -0.944 ms

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

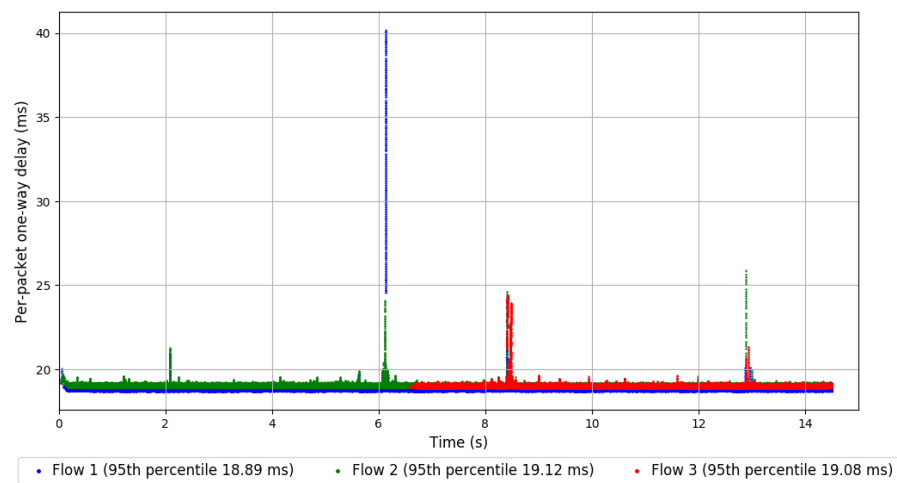
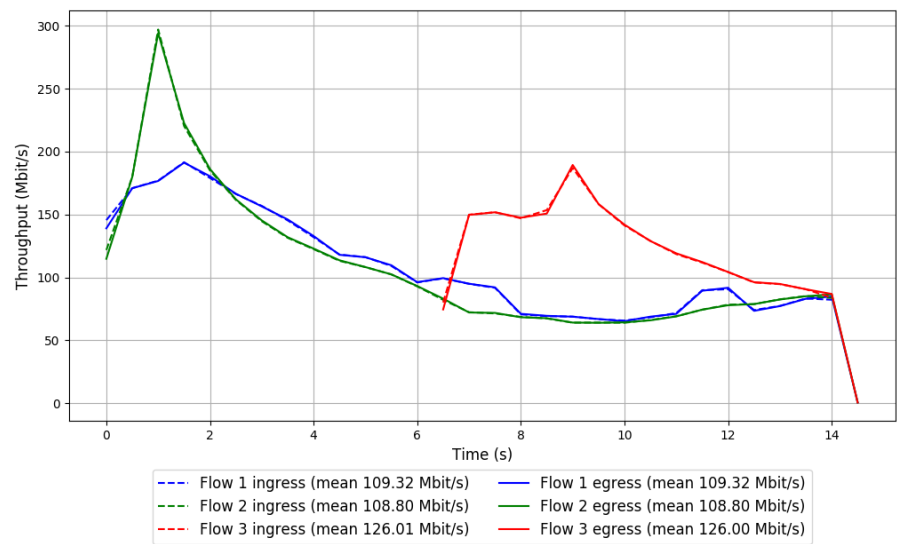
Start at: 2017-11-30 23:58:52

End at: 2017-11-30 23:59:22

Local clock offset: 0.848 ms

Remote clock offset: -1.049 ms

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

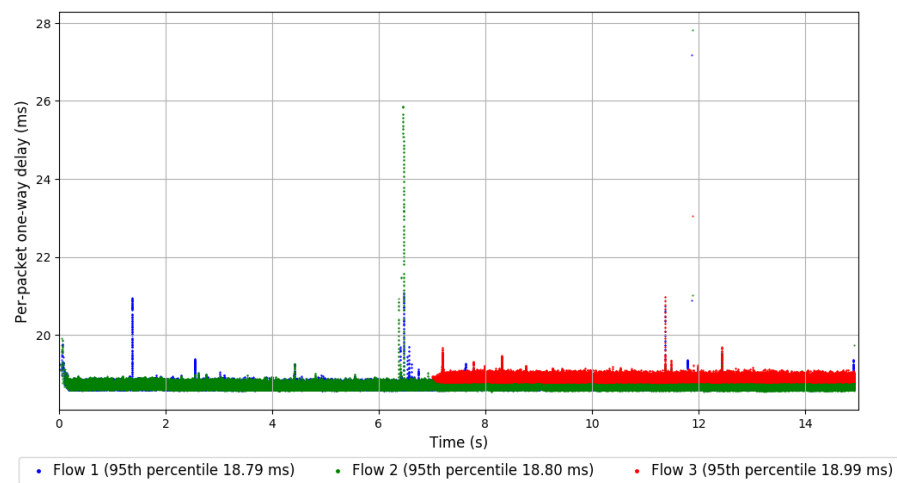
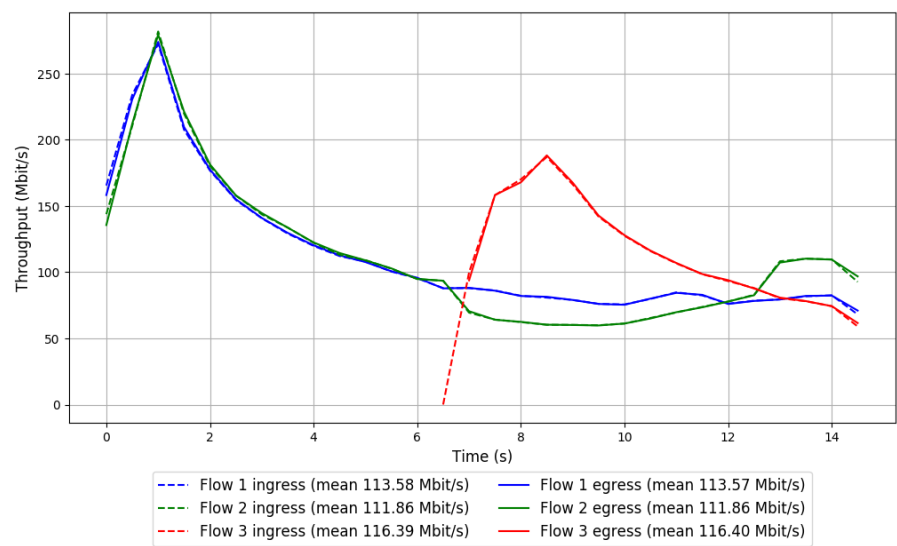
Start at: 2017-12-01 00:19:13

End at: 2017-12-01 00:19:43

Local clock offset: 0.917 ms

Remote clock offset: -1.351 ms

Run 10: Report of Copa — Data Link

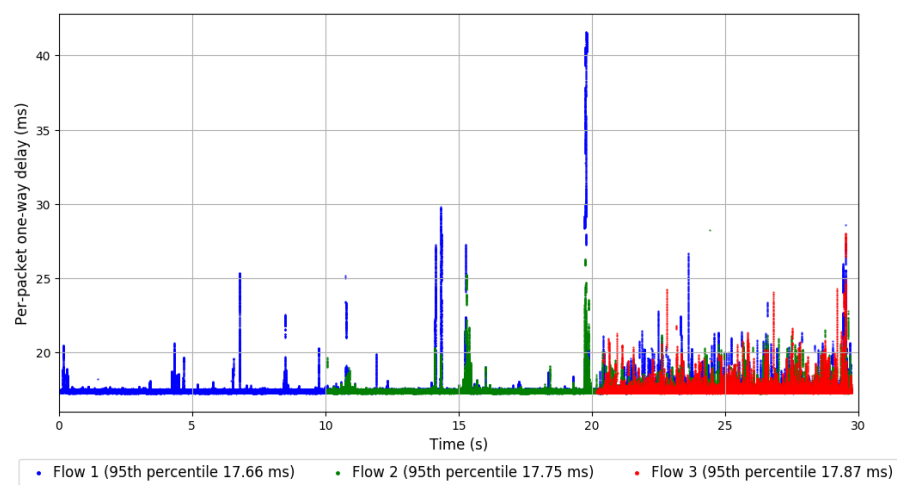
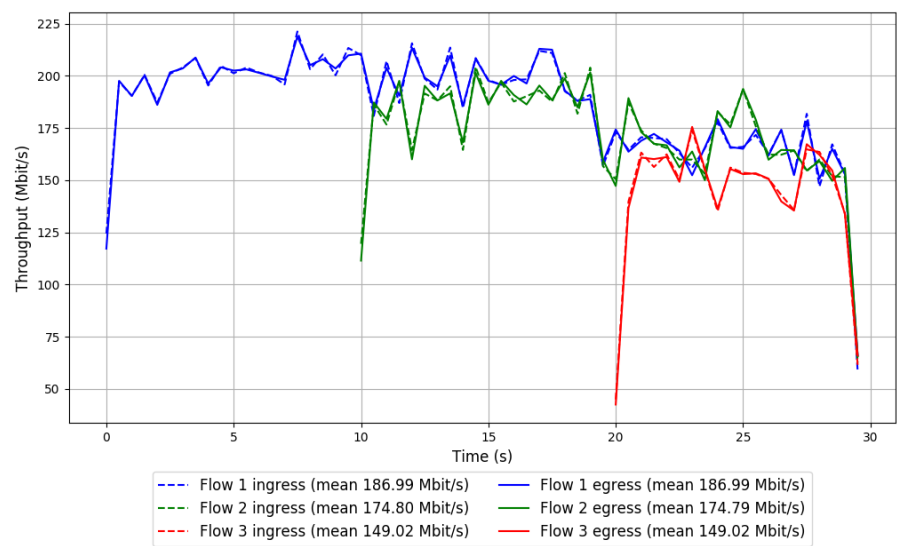


```
Run 1: Statistics of Indigo

Start at: 2017-11-30 21:26:50
End at: 2017-11-30 21:27:20
Local clock offset: 0.132 ms
Remote clock offset: -0.771 ms

# Below is generated by plot.py at 2017-12-01 03:51:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 350.79 Mbit/s
95th percentile per-packet one-way delay: 17.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.99 Mbit/s
95th percentile per-packet one-way delay: 17.663 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 174.79 Mbit/s
95th percentile per-packet one-way delay: 17.751 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.02 Mbit/s
95th percentile per-packet one-way delay: 17.868 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo — Data Link

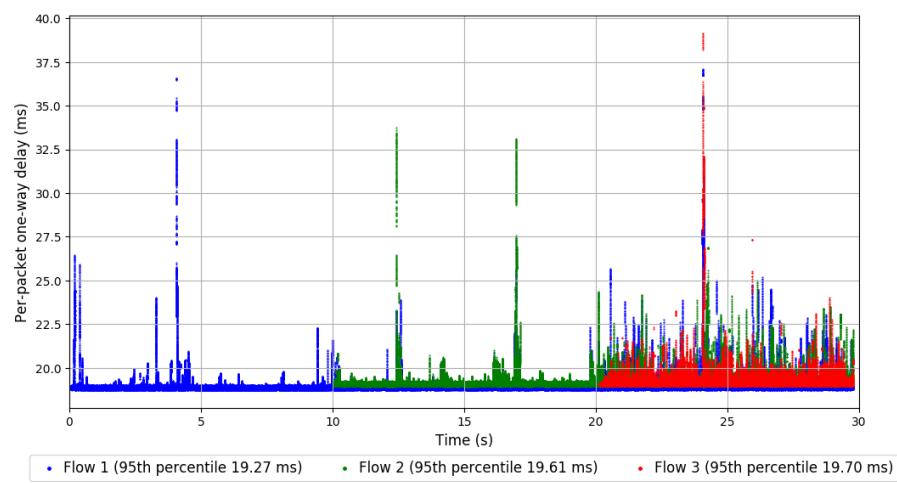
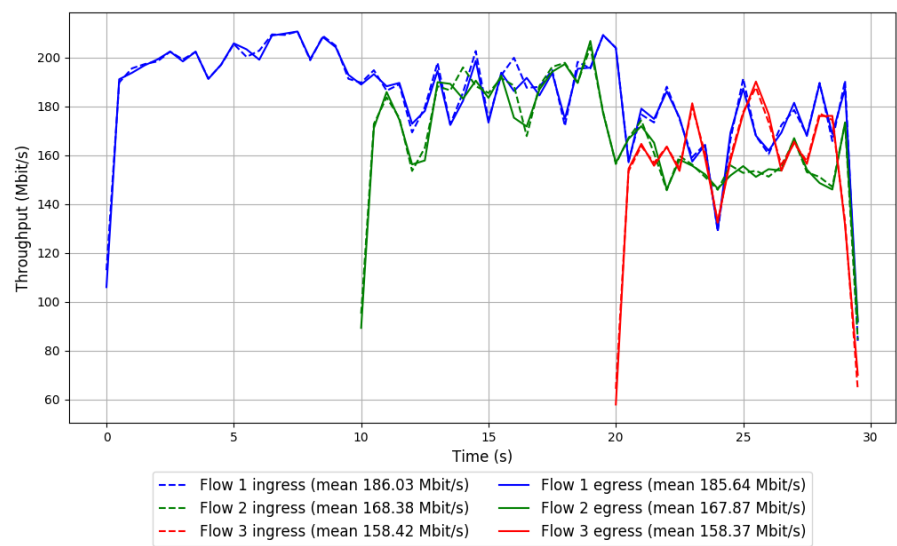


Run 2: Statistics of Indigo

Start at: 2017-11-30 21:46:46
End at: 2017-11-30 21:47:16
Local clock offset: 0.181 ms
Remote clock offset: -1.001 ms

Below is generated by plot.py at 2017-12-01 03:51:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.35 Mbit/s
95th percentile per-packet one-way delay: 19.491 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 185.64 Mbit/s
95th percentile per-packet one-way delay: 19.266 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 167.87 Mbit/s
95th percentile per-packet one-way delay: 19.608 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 158.37 Mbit/s
95th percentile per-packet one-way delay: 19.702 ms
Loss rate: 0.03%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-11-30 22:06:55

End at: 2017-11-30 22:07:25

Local clock offset: 0.406 ms

Remote clock offset: -0.97 ms

Below is generated by plot.py at 2017-12-01 03:52:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 349.07 Mbit/s

95th percentile per-packet one-way delay: 19.184 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 187.03 Mbit/s

95th percentile per-packet one-way delay: 17.674 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 171.10 Mbit/s

95th percentile per-packet one-way delay: 19.449 ms

Loss rate: 0.05%

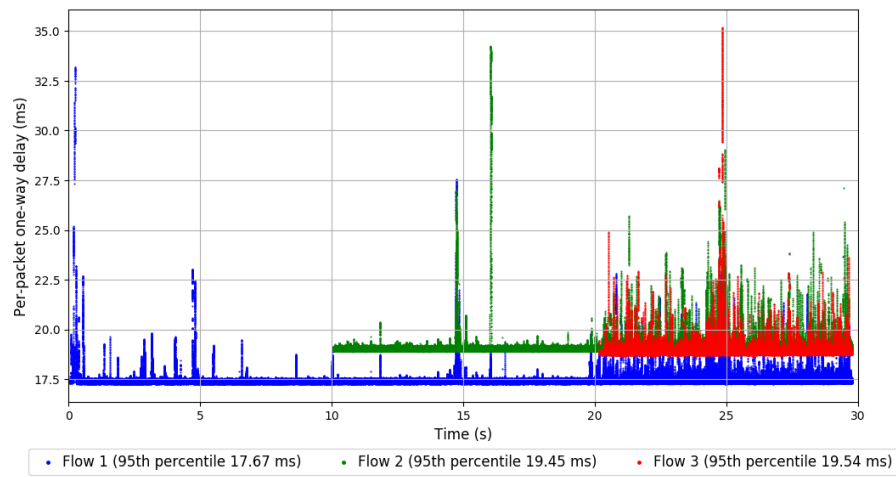
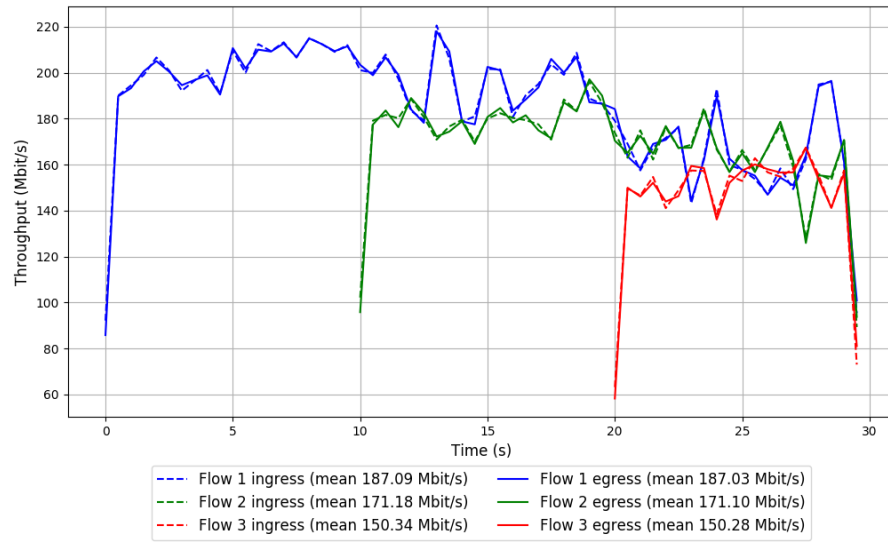
-- Flow 3:

Average throughput: 150.28 Mbit/s

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

Loss rate: 0.04%

Run 3: Report of Indigo — Data Link

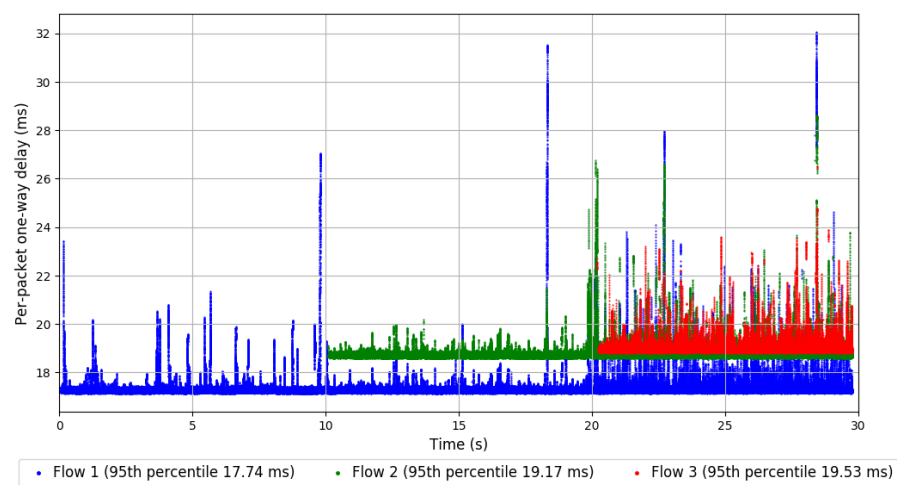
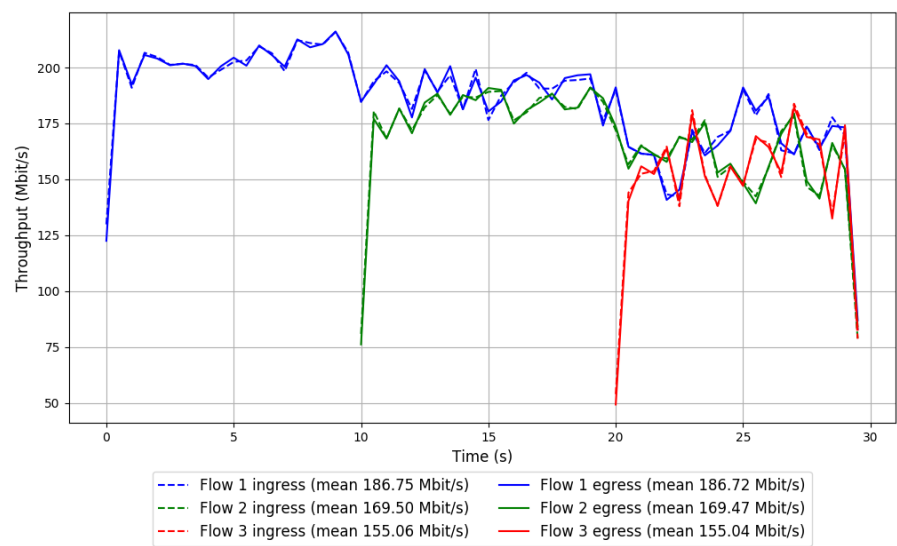


Run 4: Statistics of Indigo

Start at: 2017-11-30 22:27:19
End at: 2017-11-30 22:27:49
Local clock offset: 0.665 ms
Remote clock offset: -1.062 ms

Below is generated by plot.py at 2017-12-01 03:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.69 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 186.72 Mbit/s
95th percentile per-packet one-way delay: 17.738 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 169.47 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 155.04 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.05%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-11-30 22:47:42

End at: 2017-11-30 22:48:12

Local clock offset: 0.704 ms

Remote clock offset: -0.97 ms

Below is generated by plot.py at 2017-12-01 03:53:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 345.20 Mbit/s

95th percentile per-packet one-way delay: 19.346 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 184.56 Mbit/s

95th percentile per-packet one-way delay: 19.076 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 171.26 Mbit/s

95th percentile per-packet one-way delay: 19.468 ms

Loss rate: 0.02%

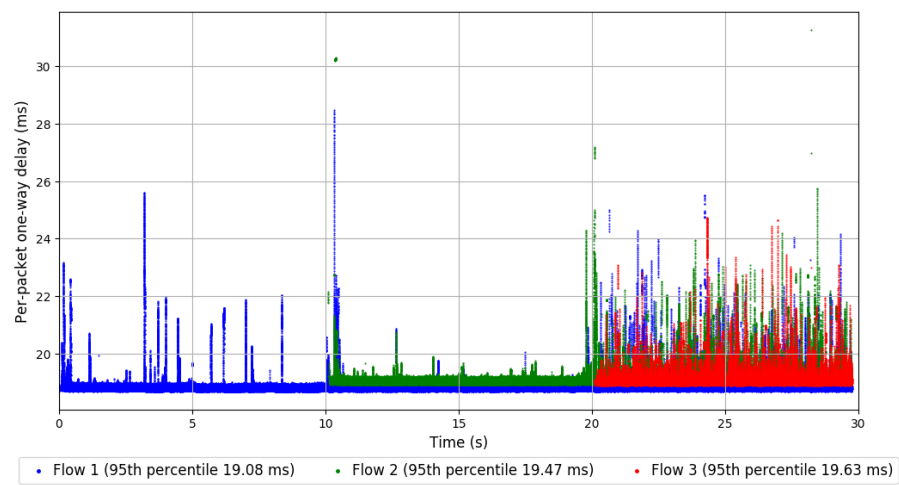
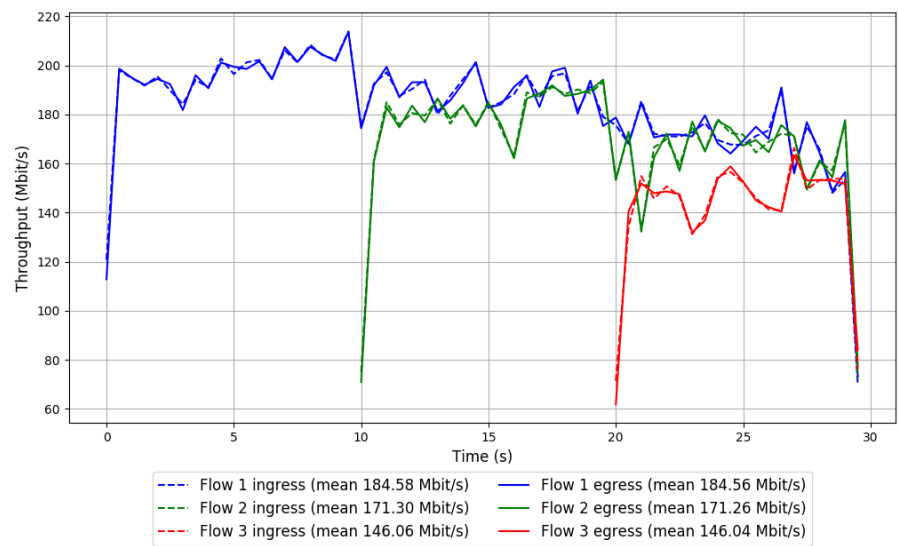
-- Flow 3:

Average throughput: 146.04 Mbit/s

95th percentile per-packet one-way delay: 19.627 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link

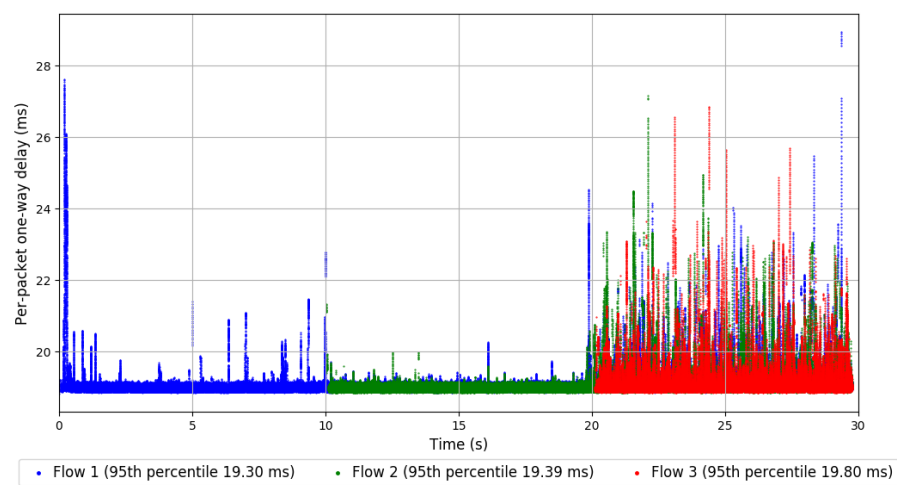
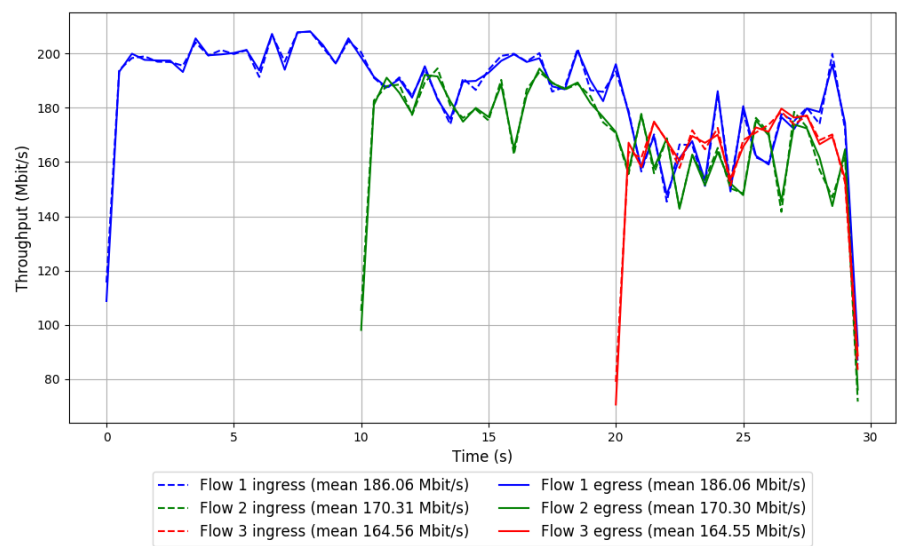


Run 6: Statistics of Indigo

Start at: 2017-11-30 23:07:57
End at: 2017-11-30 23:08:27
Local clock offset: 0.837 ms
Remote clock offset: -1.008 ms

Below is generated by plot.py at 2017-12-01 03:53:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.55 Mbit/s
95th percentile per-packet one-way delay: 19.413 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 186.06 Mbit/s
95th percentile per-packet one-way delay: 19.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 170.30 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 164.55 Mbit/s
95th percentile per-packet one-way delay: 19.802 ms
Loss rate: 0.01%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-11-30 23:28:23

End at: 2017-11-30 23:28:53

Local clock offset: 0.881 ms

Remote clock offset: -0.93 ms

Below is generated by plot.py at 2017-12-01 03:54:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 346.25 Mbit/s

95th percentile per-packet one-way delay: 19.250 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 185.83 Mbit/s

95th percentile per-packet one-way delay: 19.233 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 170.16 Mbit/s

95th percentile per-packet one-way delay: 19.237 ms

Loss rate: 0.02%

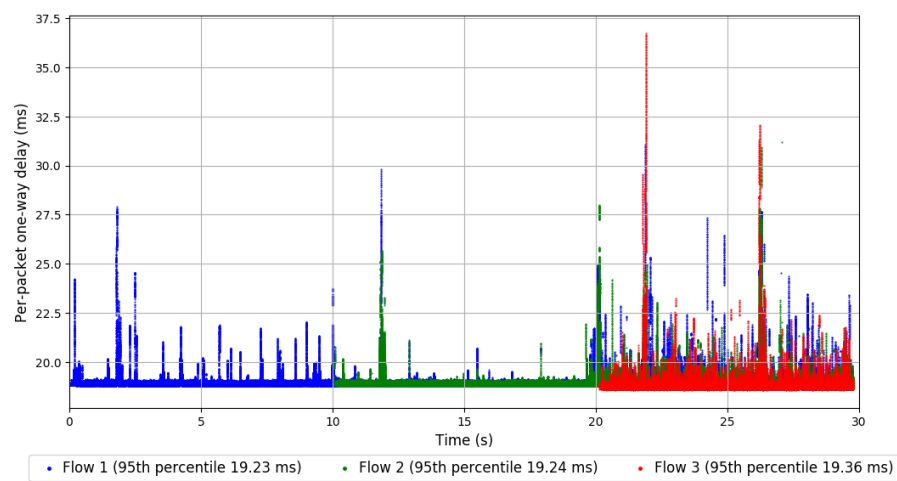
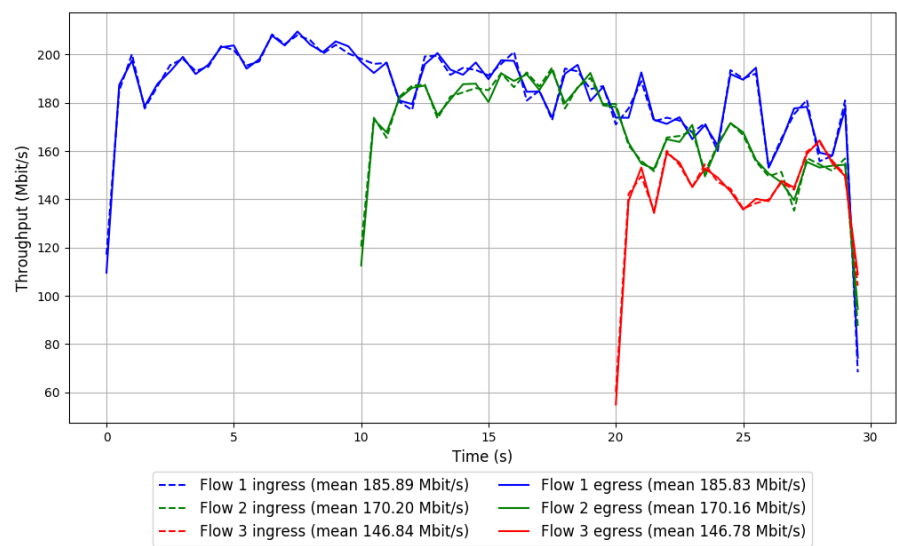
-- Flow 3:

Average throughput: 146.78 Mbit/s

95th percentile per-packet one-way delay: 19.365 ms

Loss rate: 0.04%

Run 7: Report of Indigo — Data Link

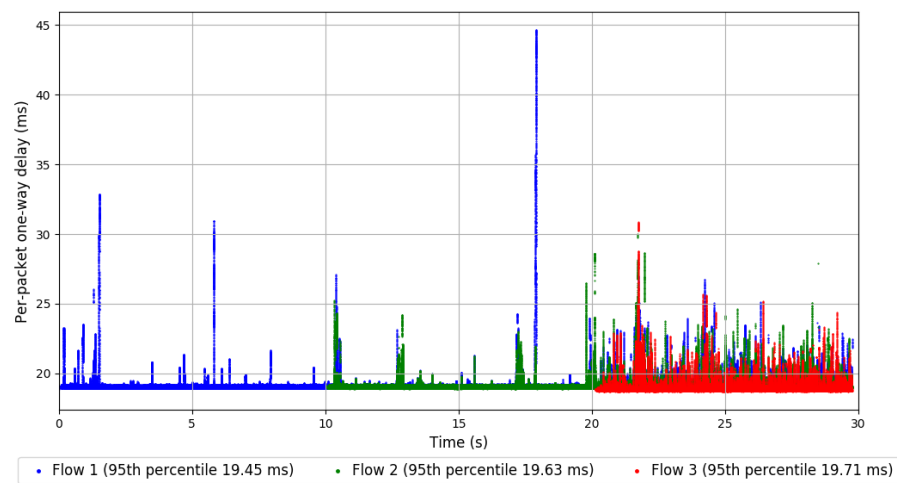
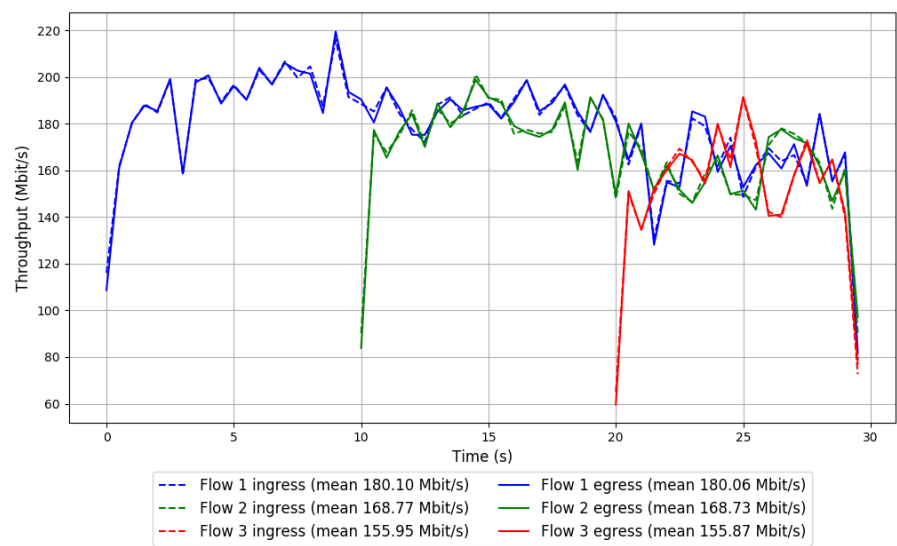


Run 8: Statistics of Indigo

Start at: 2017-11-30 23:48:33
End at: 2017-11-30 23:49:03
Local clock offset: 0.932 ms
Remote clock offset: -0.938 ms

Below is generated by plot.py at 2017-12-01 03:54:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.27 Mbit/s
95th percentile per-packet one-way delay: 19.547 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 180.06 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 168.73 Mbit/s
95th percentile per-packet one-way delay: 19.628 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 155.87 Mbit/s
95th percentile per-packet one-way delay: 19.706 ms
Loss rate: 0.06%

Run 8: Report of Indigo — Data Link

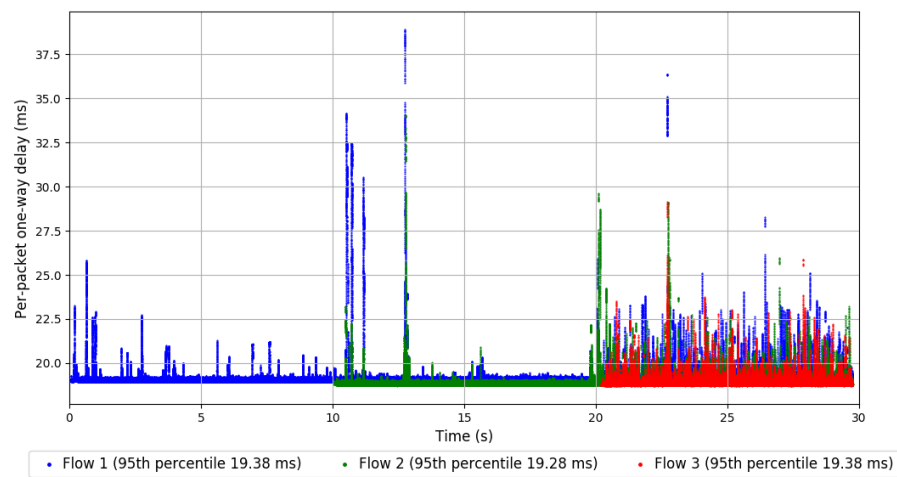
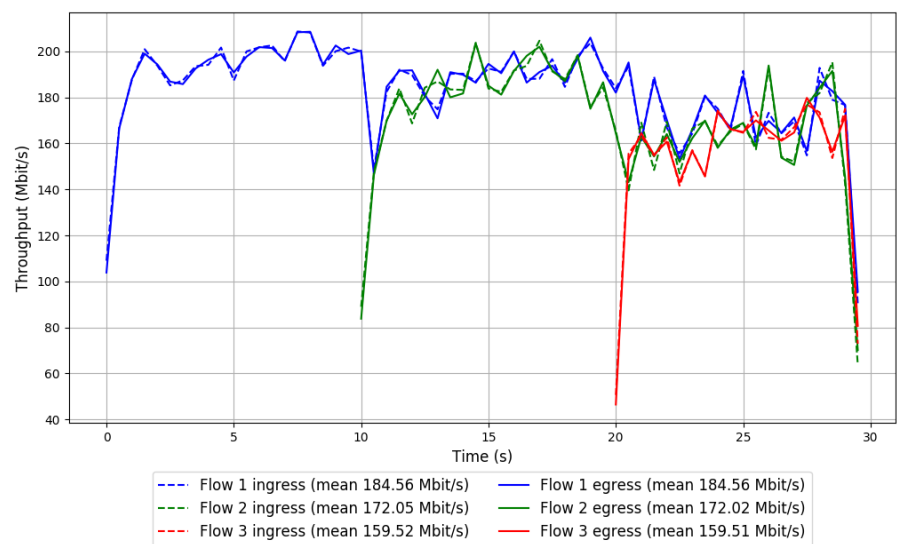


Run 9: Statistics of Indigo

Start at: 2017-12-01 00:08:52
End at: 2017-12-01 00:09:22
Local clock offset: 0.932 ms
Remote clock offset: -1.033 ms

Below is generated by plot.py at 2017-12-01 03:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.82 Mbit/s
95th percentile per-packet one-way delay: 19.352 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 184.56 Mbit/s
95th percentile per-packet one-way delay: 19.382 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.02 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 159.51 Mbit/s
95th percentile per-packet one-way delay: 19.382 ms
Loss rate: 0.01%

Run 9: Report of Indigo — Data Link

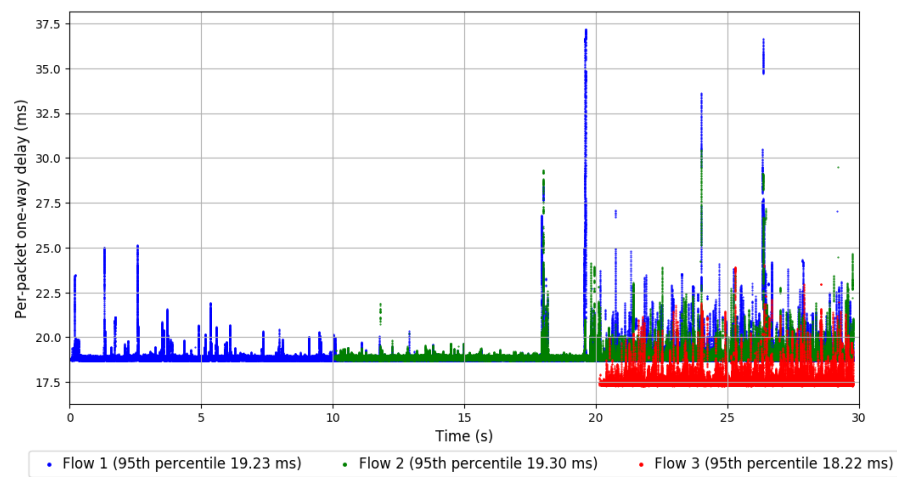
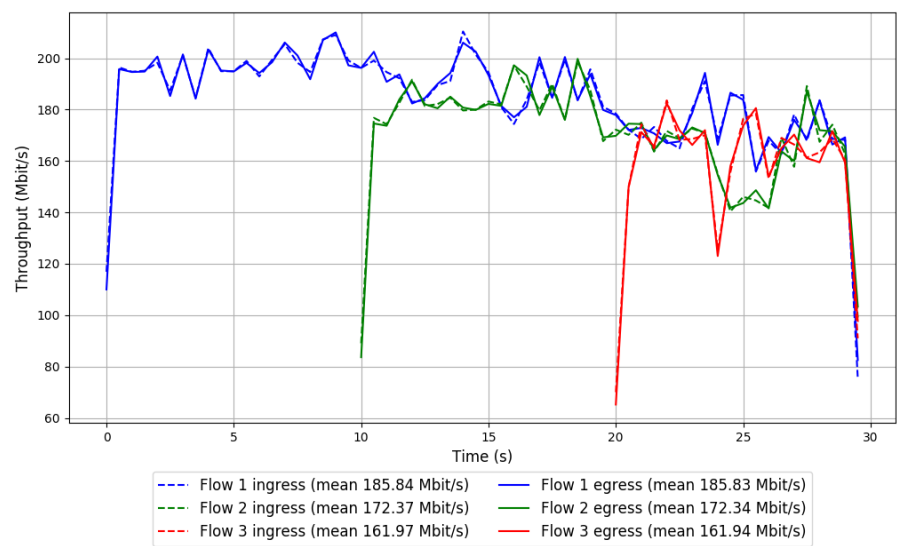


Run 10: Statistics of Indigo

Start at: 2017-12-01 00:29:17
End at: 2017-12-01 00:29:47
Local clock offset: 0.815 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2017-12-01 03:57:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.29 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 185.83 Mbit/s
95th percentile per-packet one-way delay: 19.227 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.34 Mbit/s
95th percentile per-packet one-way delay: 19.299 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 161.94 Mbit/s
95th percentile per-packet one-way delay: 18.223 ms
Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

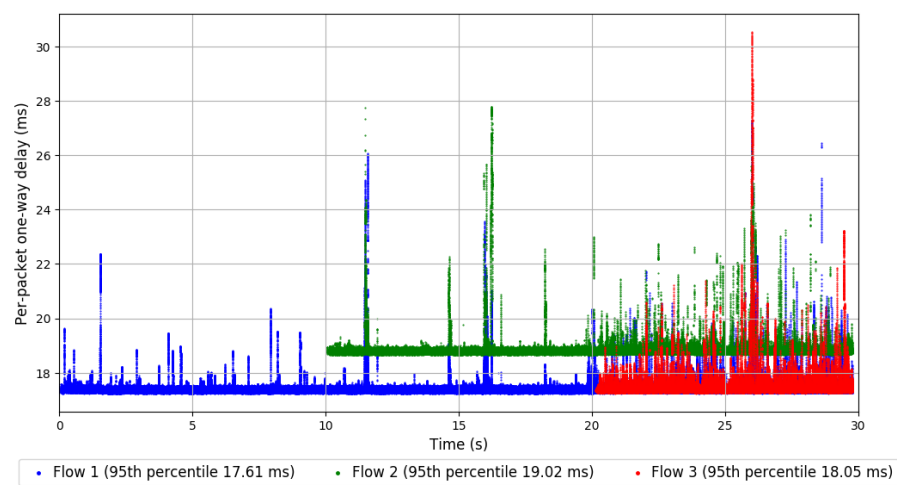
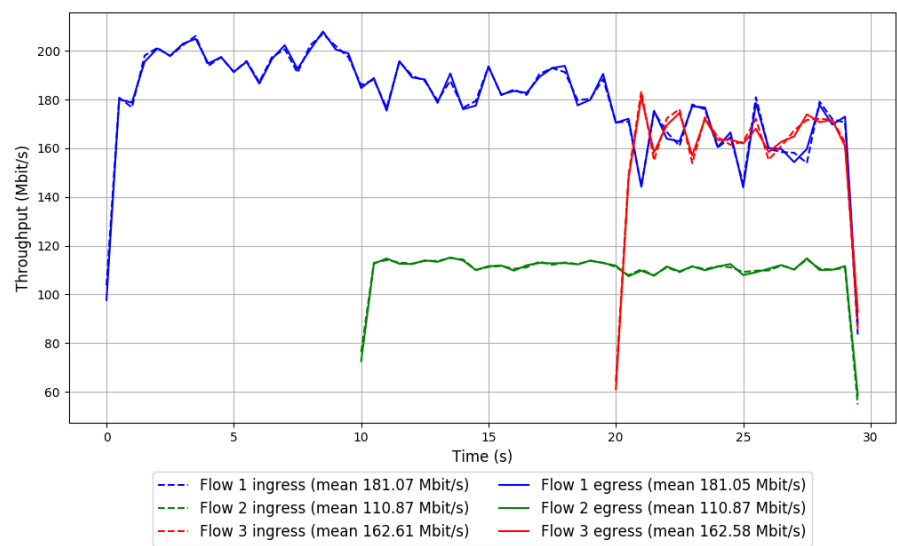


```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-30 21:29:59
End at: 2017-11-30 21:30:29
Local clock offset: 0.095 ms
Remote clock offset: -0.859 ms

# Below is generated by plot.py at 2017-12-01 03:57:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 307.19 Mbit/s
95th percentile per-packet one-way delay: 18.866 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 181.05 Mbit/s
95th percentile per-packet one-way delay: 17.607 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 110.87 Mbit/s
95th percentile per-packet one-way delay: 19.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 162.58 Mbit/s
95th percentile per-packet one-way delay: 18.055 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo-calib — Data Link

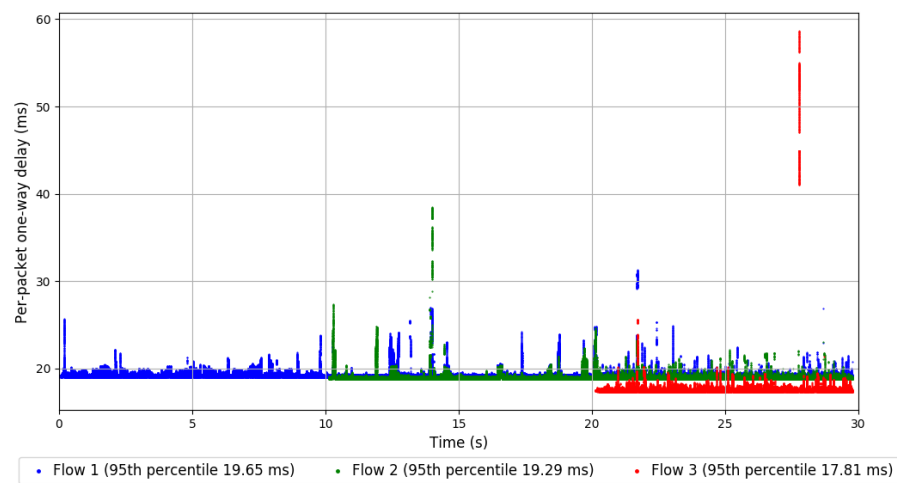
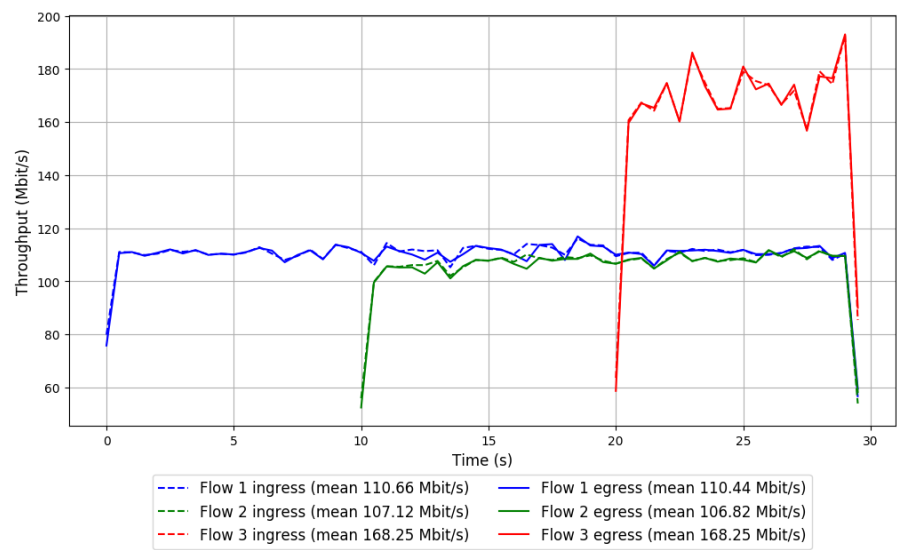


Run 2: Statistics of Indigo-calib

Start at: 2017-11-30 21:49:53
End at: 2017-11-30 21:50:23
Local clock offset: 0.227 ms
Remote clock offset: -0.928 ms

Below is generated by plot.py at 2017-12-01 03:57:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.38 Mbit/s
95th percentile per-packet one-way delay: 19.422 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 110.44 Mbit/s
95th percentile per-packet one-way delay: 19.646 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 106.82 Mbit/s
95th percentile per-packet one-way delay: 19.293 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 168.25 Mbit/s
95th percentile per-packet one-way delay: 17.809 ms
Loss rate: 0.00%

Run 2: Report of Indigo-calib — Data Link

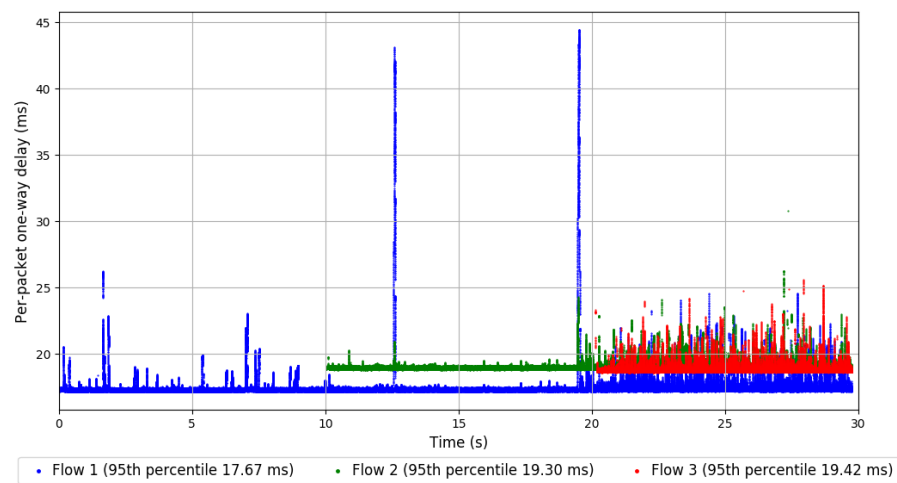
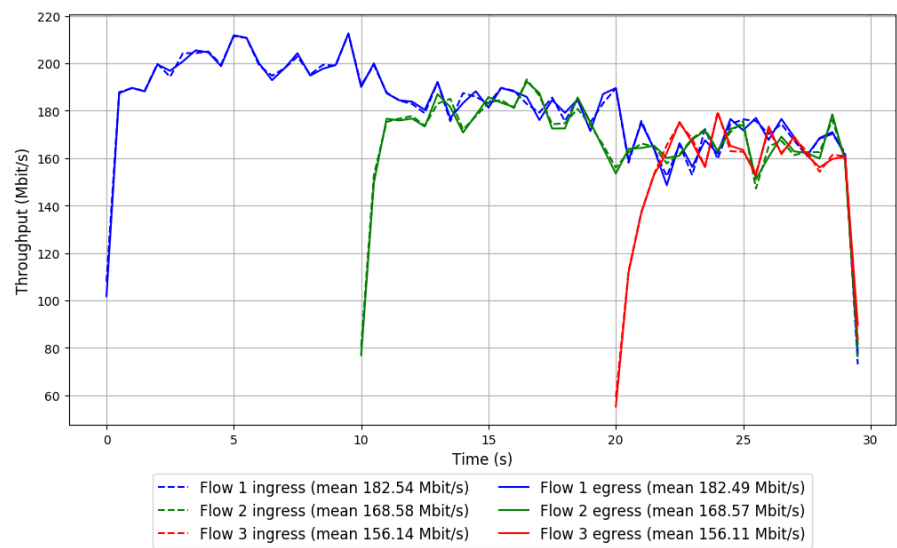


Run 3: Statistics of Indigo-calib

Start at: 2017-11-30 22:10:02
End at: 2017-11-30 22:10:32
Local clock offset: 0.508 ms
Remote clock offset: -1.044 ms

Below is generated by plot.py at 2017-12-01 03:58:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 344.83 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 182.49 Mbit/s
95th percentile per-packet one-way delay: 17.667 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 168.57 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.11 Mbit/s
95th percentile per-packet one-way delay: 19.424 ms
Loss rate: 0.07%

Run 3: Report of Indigo-calib — Data Link

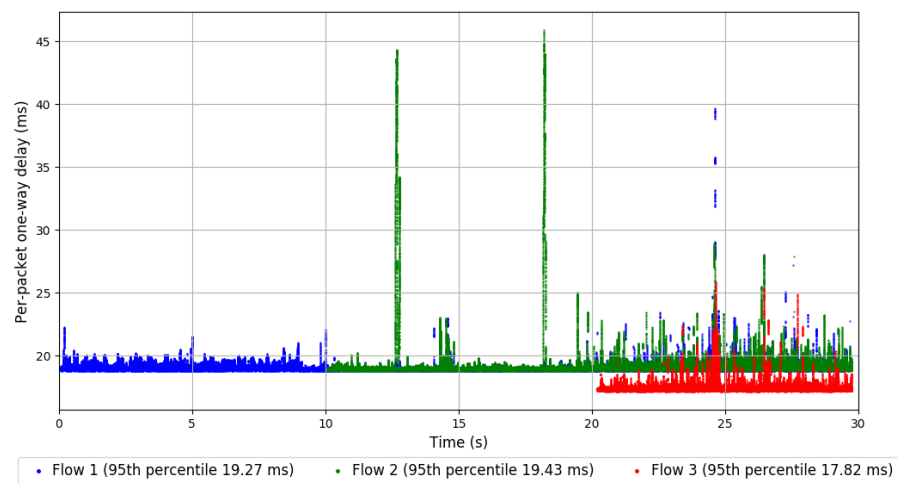
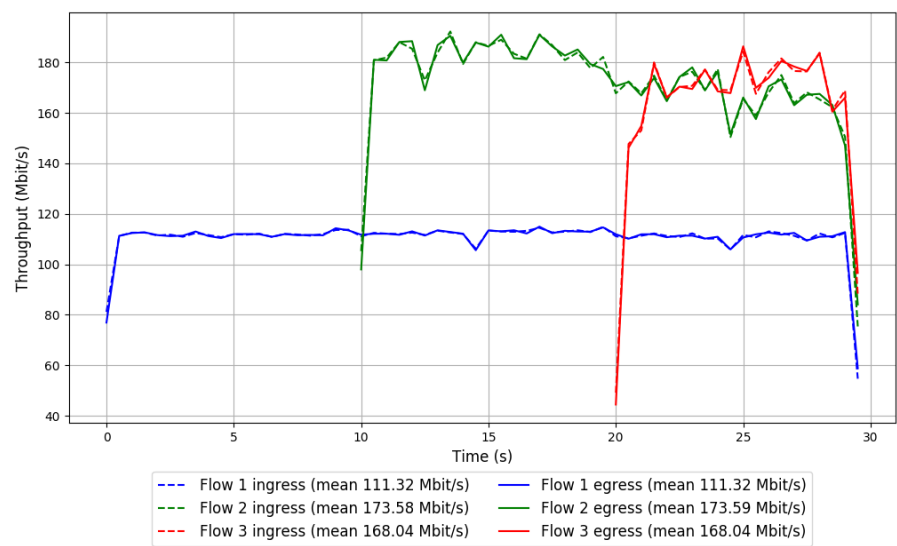


Run 4: Statistics of Indigo-calib

Start at: 2017-11-30 22:30:25
End at: 2017-11-30 22:30:55
Local clock offset: 0.695 ms
Remote clock offset: -1.025 ms

Below is generated by plot.py at 2017-12-01 03:58:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 280.55 Mbit/s
95th percentile per-packet one-way delay: 19.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.32 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.59 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.04 Mbit/s
95th percentile per-packet one-way delay: 17.818 ms
Loss rate: 0.00%

Run 4: Report of Indigo-calib — Data Link

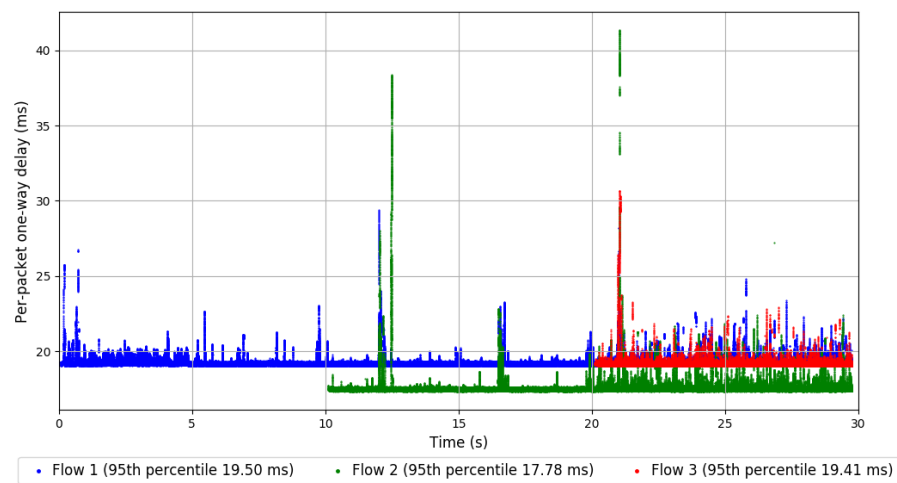
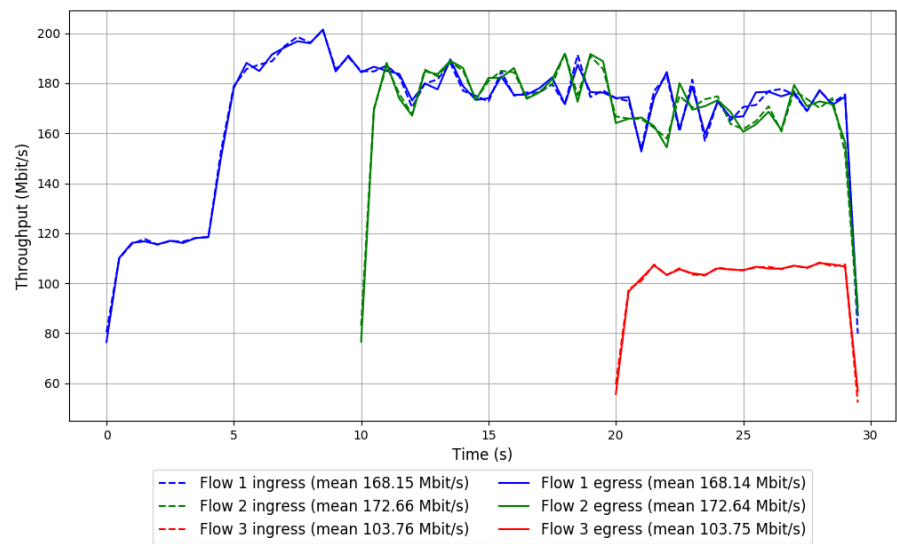


Run 5: Statistics of Indigo-calib

Start at: 2017-11-30 22:50:49
End at: 2017-11-30 22:51:19
Local clock offset: 0.705 ms
Remote clock offset: -0.874 ms

Below is generated by plot.py at 2017-12-01 03:58:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.96 Mbit/s
95th percentile per-packet one-way delay: 19.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.14 Mbit/s
95th percentile per-packet one-way delay: 19.505 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 172.64 Mbit/s
95th percentile per-packet one-way delay: 17.781 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 103.75 Mbit/s
95th percentile per-packet one-way delay: 19.410 ms
Loss rate: 0.00%

Run 5: Report of Indigo-calib — Data Link

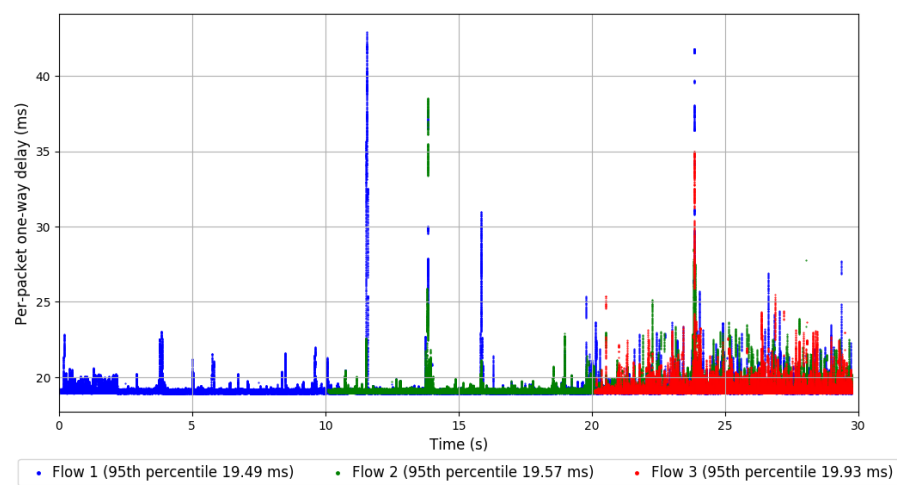
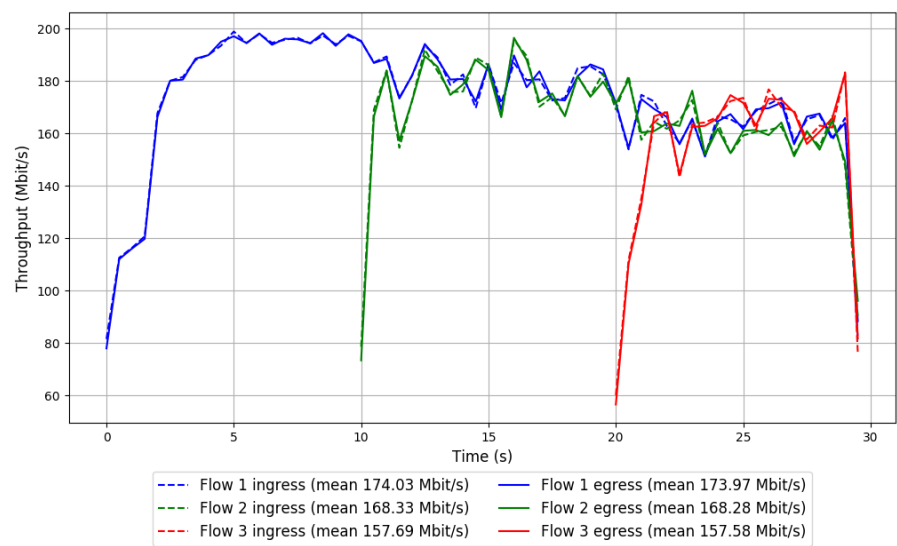


Run 6: Statistics of Indigo-calib

Start at: 2017-11-30 23:11:06
End at: 2017-11-30 23:11:36
Local clock offset: 0.727 ms
Remote clock offset: -1.059 ms

Below is generated by plot.py at 2017-12-01 03:59:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.40 Mbit/s
95th percentile per-packet one-way delay: 19.598 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 173.97 Mbit/s
95th percentile per-packet one-way delay: 19.488 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 168.28 Mbit/s
95th percentile per-packet one-way delay: 19.568 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 157.58 Mbit/s
95th percentile per-packet one-way delay: 19.927 ms
Loss rate: 0.07%

Run 6: Report of Indigo-calib — Data Link

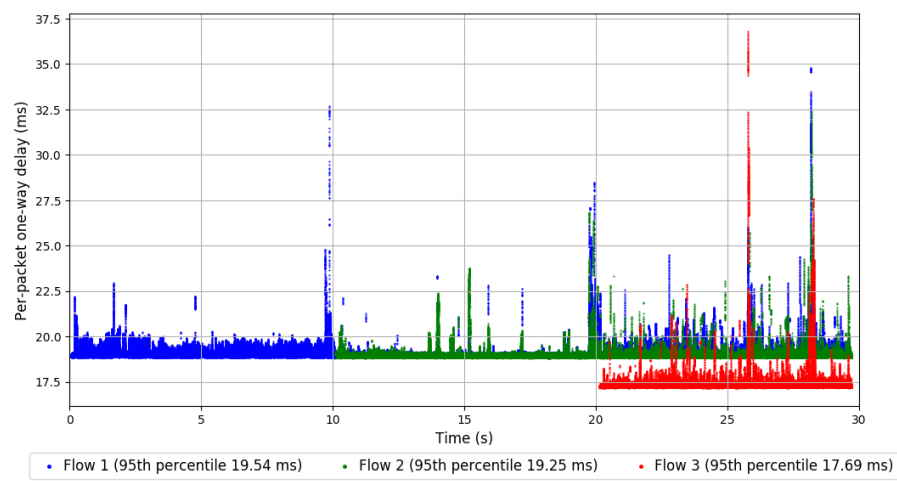
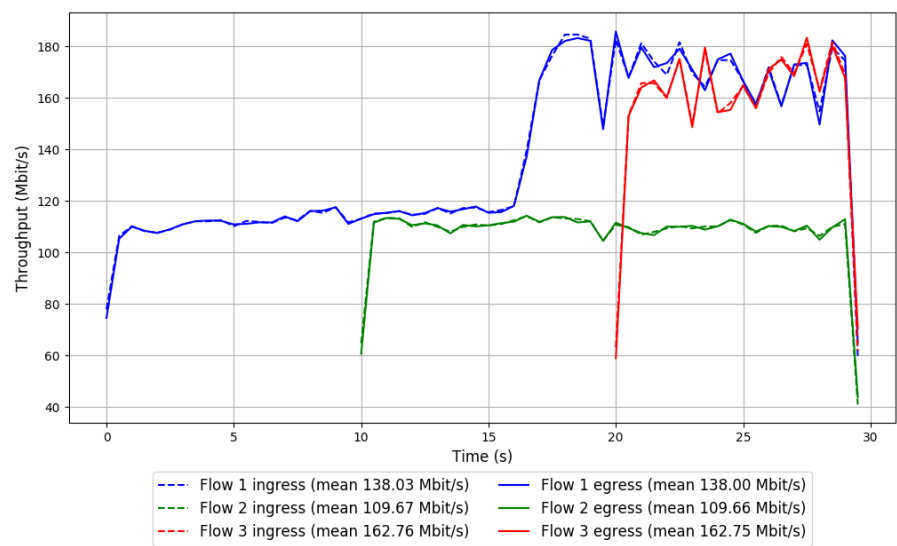


Run 7: Statistics of Indigo-calib

Start at: 2017-11-30 23:31:30
End at: 2017-11-30 23:32:00
Local clock offset: 0.885 ms
Remote clock offset: -0.905 ms

Below is generated by plot.py at 2017-12-01 03:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.91 Mbit/s
95th percentile per-packet one-way delay: 19.376 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 138.00 Mbit/s
95th percentile per-packet one-way delay: 19.542 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 109.66 Mbit/s
95th percentile per-packet one-way delay: 19.246 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 162.75 Mbit/s
95th percentile per-packet one-way delay: 17.686 ms
Loss rate: 0.00%

Run 7: Report of Indigo-calib — Data Link

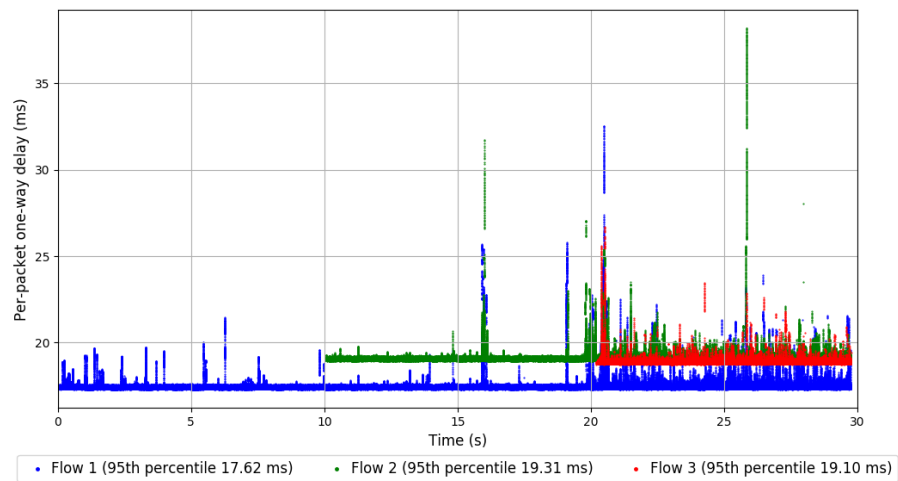
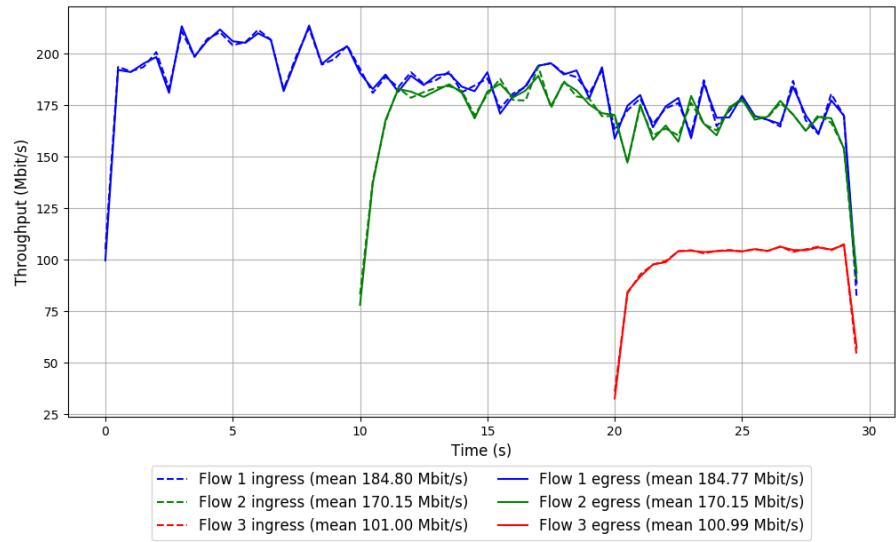


Run 8: Statistics of Indigo-calib

Start at: 2017-11-30 23:51:39
End at: 2017-11-30 23:52:09
Local clock offset: 0.855 ms
Remote clock offset: -0.996 ms

Below is generated by plot.py at 2017-12-01 04:00:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.12 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 184.77 Mbit/s
95th percentile per-packet one-way delay: 17.618 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 170.15 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 100.99 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link

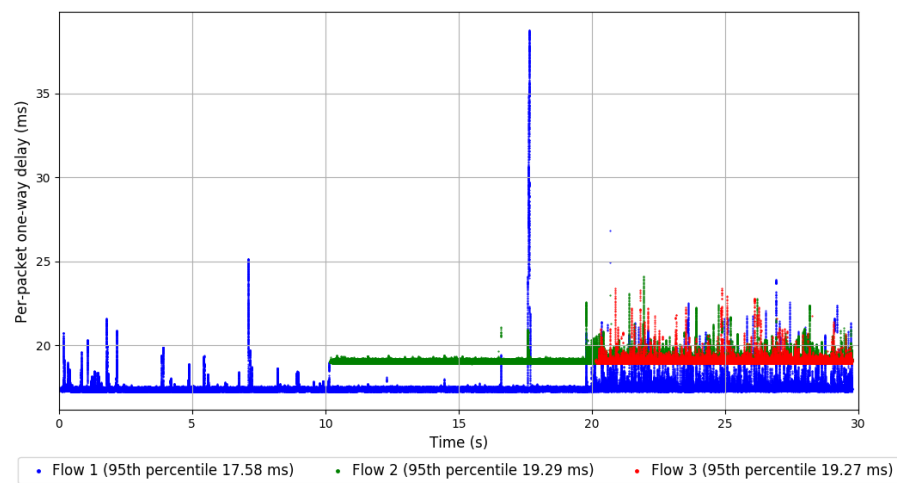
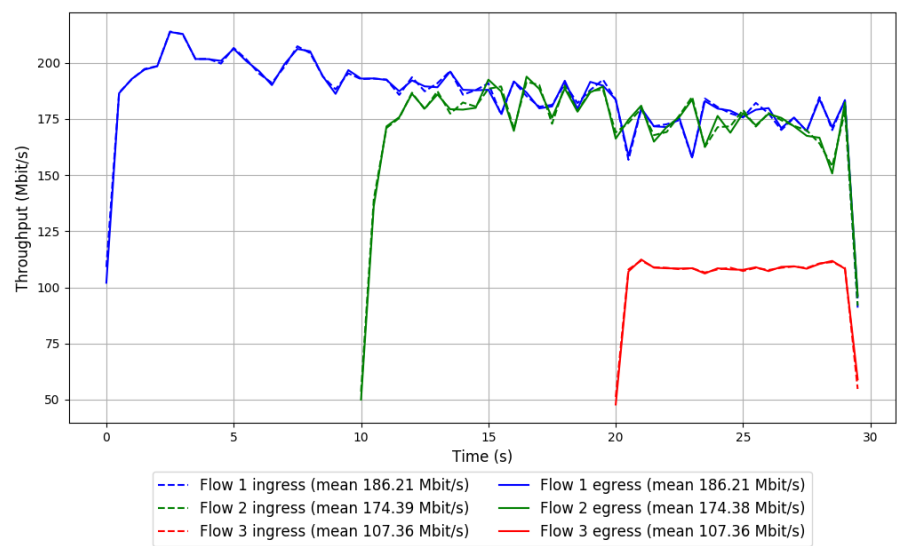


Run 9: Statistics of Indigo-calib

Start at: 2017-12-01 00:11:58
End at: 2017-12-01 00:12:28
Local clock offset: 0.849 ms
Remote clock offset: -1.224 ms

Below is generated by plot.py at 2017-12-01 04:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.83 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 186.21 Mbit/s
95th percentile per-packet one-way delay: 17.584 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 174.38 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 107.36 Mbit/s
95th percentile per-packet one-way delay: 19.271 ms
Loss rate: 0.00%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-01 00:32:05
End at: 2017-12-01 00:32:35
Local clock offset: 0.895 ms
Remote clock offset: -1.394 ms

Below is generated by plot.py at 2017-12-01 04:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.46 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.37 Mbit/s
95th percentile per-packet one-way delay: 19.031 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 110.31 Mbit/s
95th percentile per-packet one-way delay: 18.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.19 Mbit/s
95th percentile per-packet one-way delay: 18.895 ms
Loss rate: 0.00%

Run 10: Report of Indigo-calib — Data Link

