

Pantheon Report

Generated at 2017-12-12 06:08:40 (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).

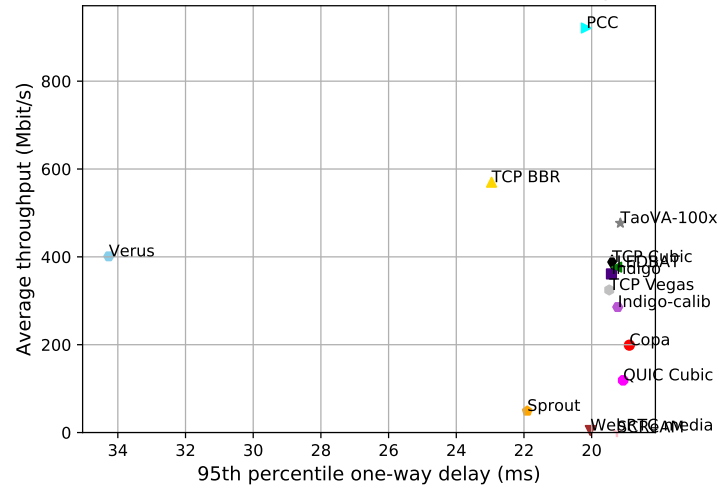
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

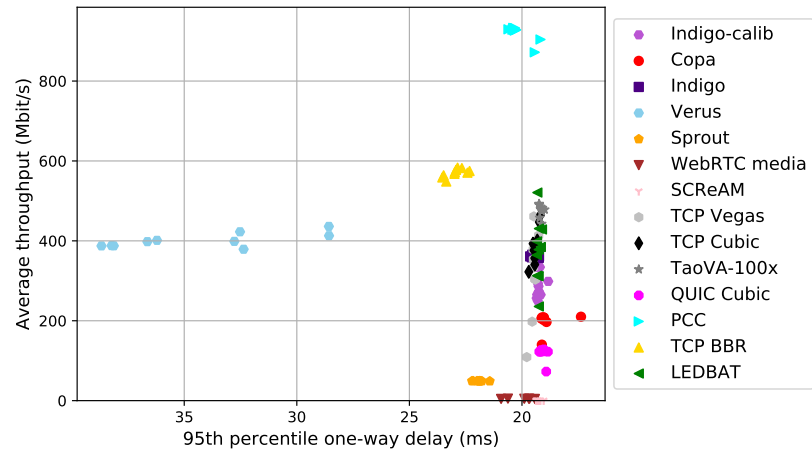
Git summary:

```
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



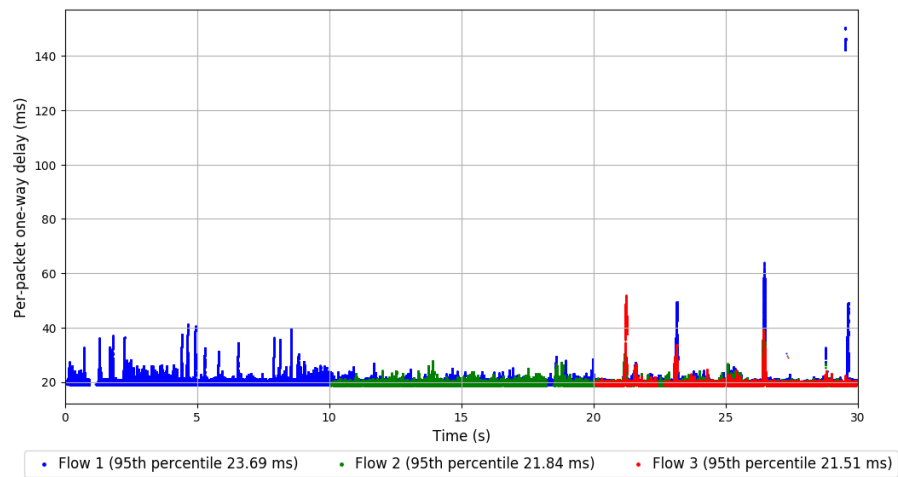
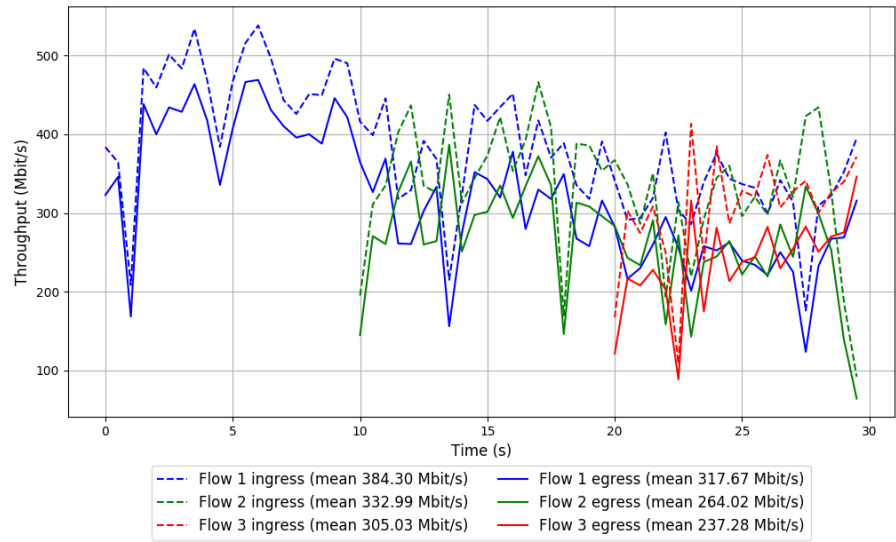
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	314.51	266.59	234.86	23.75	21.51	21.19	16.79	21.99	23.41
TCP Cubic	10	206.05	184.05	179.50	19.43	19.04	19.28	0.11	0.11	0.14
LEDBAT	10	209.27	184.79	133.66	19.06	19.29	19.20	0.02	0.03	0.03
PCC	10	797.53	145.02	82.66	20.05	20.25	20.01	0.57	0.36	0.45
QUIC Cubic	10	59.38	62.85	54.31	19.01	18.92	19.33	0.00	0.00	0.01
SCReAM	9	0.22	0.22	0.22	18.70	19.20	19.03	0.00	0.03	0.00
WebRTC media	6	2.24	1.77	0.68	19.80	19.74	20.47	0.00	0.01	0.01
Sprout	10	24.74	24.60	24.38	22.04	21.64	21.16	0.04	0.05	0.09
TaoVA-100x	10	254.05	238.31	246.14	19.04	18.96	19.04	0.01	0.01	0.02
TCP Vegas	10	169.51	154.82	156.57	19.24	19.28	19.62	0.06	0.19	0.14
Verus	10	196.81	217.69	182.94	40.39	28.08	27.74	20.15	20.14	18.04
Copa	10	100.96	98.82	122.43	18.70	18.23	18.81	0.00	0.00	0.00
Indigo	10	188.67	179.81	165.90	19.36	19.16	19.53	0.01	0.02	0.03
Indigo-calib	10	140.77	158.14	124.90	19.07	19.19	19.24	0.01	0.01	0.01

Run 1: Statistics of TCP BBR

Start at: 2017-12-11 23:41:33
End at: 2017-12-11 23:42:03
Local clock offset: 0.237 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2017-12-12 04:48:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.25 Mbit/s
95th percentile per-packet one-way delay: 22.983 ms
Loss rate: 19.10%
-- Flow 1:
Average throughput: 317.67 Mbit/s
95th percentile per-packet one-way delay: 23.689 ms
Loss rate: 17.34%
-- Flow 2:
Average throughput: 264.02 Mbit/s
95th percentile per-packet one-way delay: 21.841 ms
Loss rate: 20.72%
-- Flow 3:
Average throughput: 237.28 Mbit/s
95th percentile per-packet one-way delay: 21.508 ms
Loss rate: 22.22%

Run 1: Report of TCP BBR — Data Link

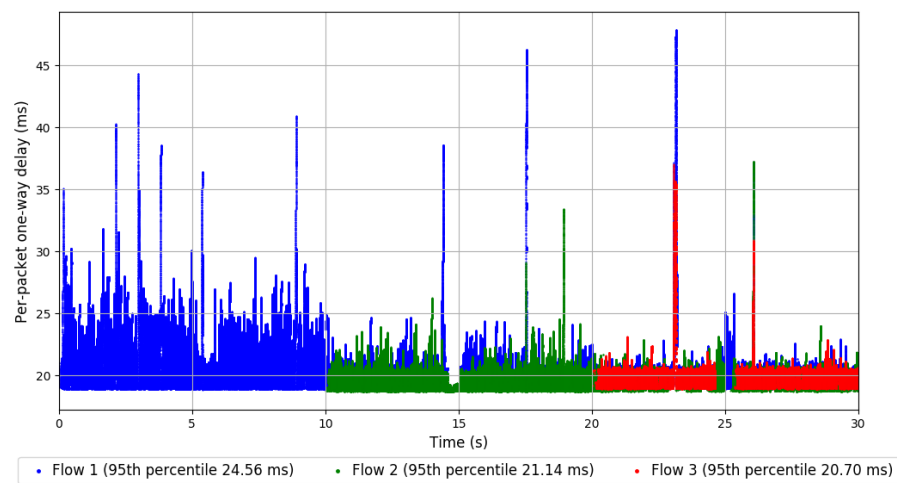
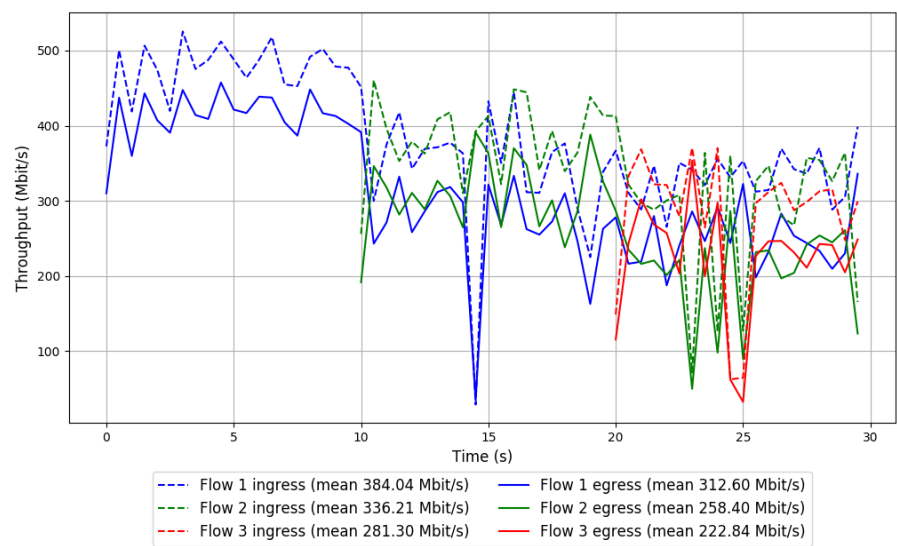


Run 2: Statistics of TCP BBR

Start at: 2017-12-12 00:01:32
End at: 2017-12-12 00:02:02
Local clock offset: 0.435 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2017-12-12 04:48:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 558.69 Mbit/s
95th percentile per-packet one-way delay: 23.538 ms
Loss rate: 20.34%
-- Flow 1:
Average throughput: 312.60 Mbit/s
95th percentile per-packet one-way delay: 24.562 ms
Loss rate: 18.60%
-- Flow 2:
Average throughput: 258.40 Mbit/s
95th percentile per-packet one-way delay: 21.138 ms
Loss rate: 23.14%
-- Flow 3:
Average throughput: 222.84 Mbit/s
95th percentile per-packet one-way delay: 20.700 ms
Loss rate: 20.78%

Run 2: Report of TCP BBR — Data Link

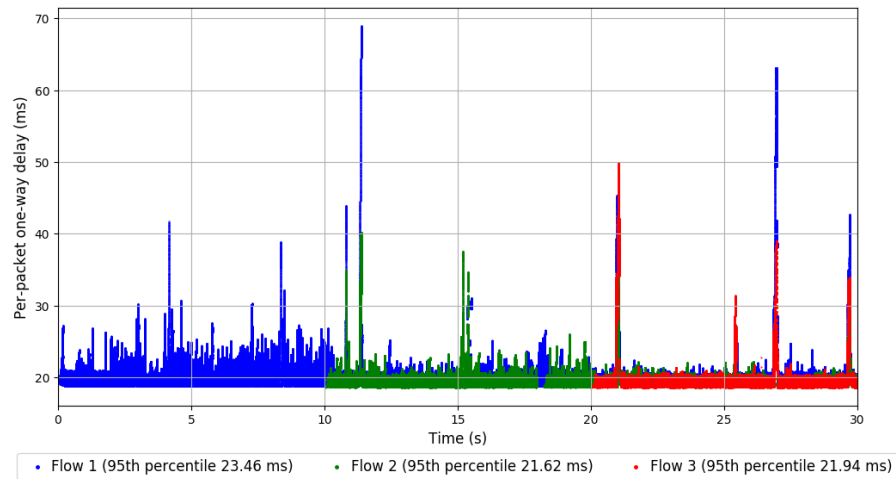
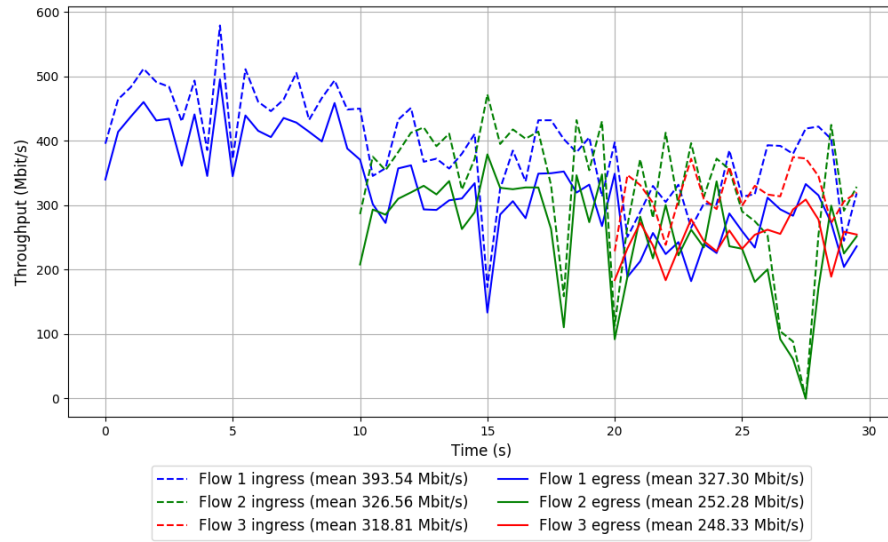


Run 3: Statistics of TCP BBR

Start at: 2017-12-12 00:21:49
End at: 2017-12-12 00:22:19
Local clock offset: 0.335 ms
Remote clock offset: -0.676 ms

Below is generated by plot.py at 2017-12-12 04:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 577.72 Mbit/s
95th percentile per-packet one-way delay: 22.929 ms
Loss rate: 19.40%
-- Flow 1:
Average throughput: 327.30 Mbit/s
95th percentile per-packet one-way delay: 23.461 ms
Loss rate: 16.83%
-- Flow 2:
Average throughput: 252.28 Mbit/s
95th percentile per-packet one-way delay: 21.621 ms
Loss rate: 22.74%
-- Flow 3:
Average throughput: 248.33 Mbit/s
95th percentile per-packet one-way delay: 21.943 ms
Loss rate: 22.10%

Run 3: Report of TCP BBR — Data Link

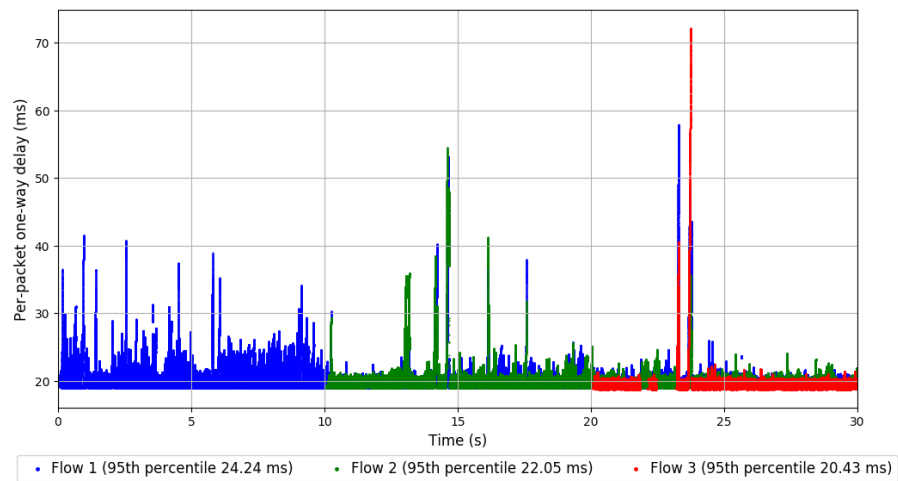
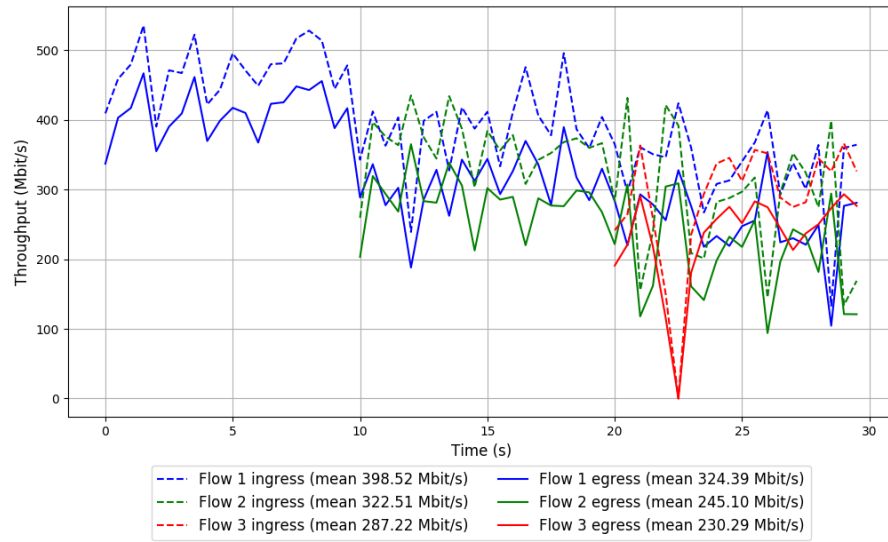


Run 4: Statistics of TCP BBR

Start at: 2017-12-12 00:41:58
End at: 2017-12-12 00:42:28
Local clock offset: 0.114 ms
Remote clock offset: -0.683 ms

Below is generated by plot.py at 2017-12-12 04:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.11 Mbit/s
95th percentile per-packet one-way delay: 23.481 ms
Loss rate: 20.40%
-- Flow 1:
Average throughput: 324.39 Mbit/s
95th percentile per-packet one-way delay: 24.237 ms
Loss rate: 18.60%
-- Flow 2:
Average throughput: 245.10 Mbit/s
95th percentile per-packet one-way delay: 22.049 ms
Loss rate: 24.00%
-- Flow 3:
Average throughput: 230.29 Mbit/s
95th percentile per-packet one-way delay: 20.433 ms
Loss rate: 19.82%

Run 4: Report of TCP BBR — Data Link

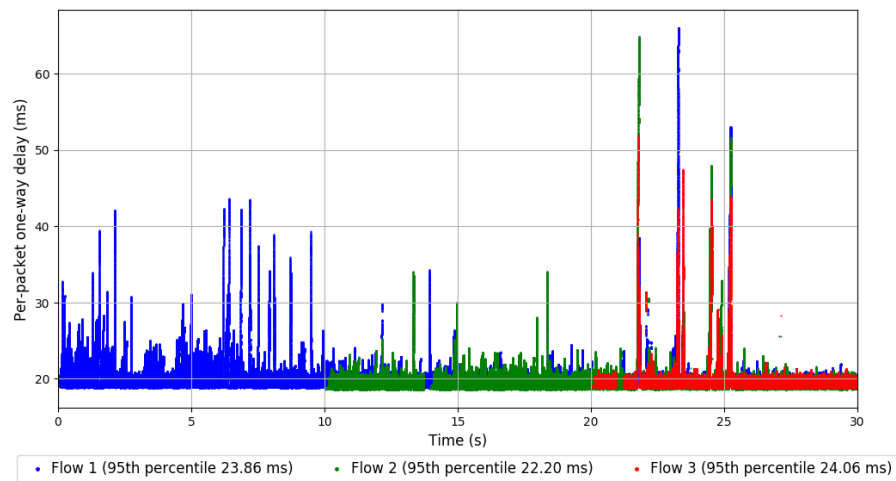
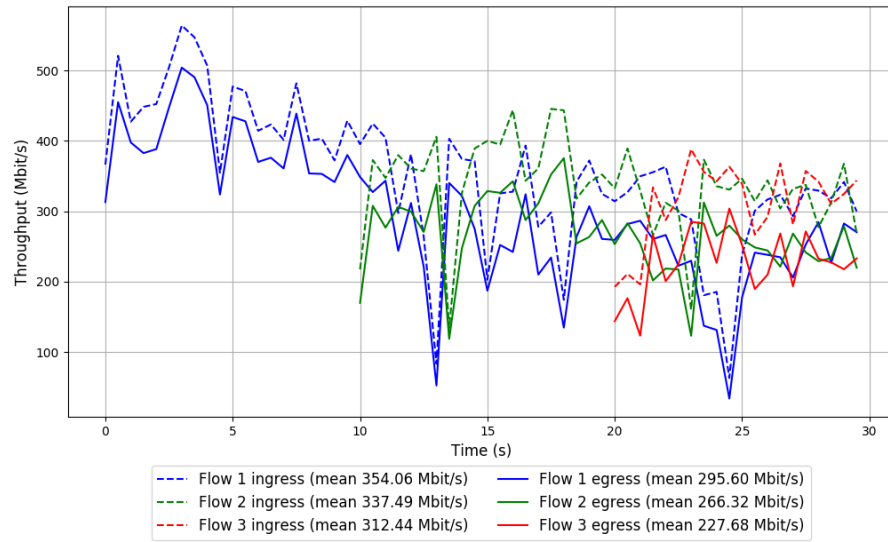


Run 5: Statistics of TCP BBR

Start at: 2017-12-12 01:02:05
End at: 2017-12-12 01:02:35
Local clock offset: 0.267 ms
Remote clock offset: -1.201 ms

Below is generated by plot.py at 2017-12-12 04:48:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 548.50 Mbit/s
95th percentile per-packet one-way delay: 23.363 ms
Loss rate: 19.63%
-- Flow 1:
Average throughput: 295.60 Mbit/s
95th percentile per-packet one-way delay: 23.863 ms
Loss rate: 16.51%
-- Flow 2:
Average throughput: 266.32 Mbit/s
95th percentile per-packet one-way delay: 22.198 ms
Loss rate: 21.08%
-- Flow 3:
Average throughput: 227.68 Mbit/s
95th percentile per-packet one-way delay: 24.057 ms
Loss rate: 27.13%

Run 5: Report of TCP BBR — Data Link

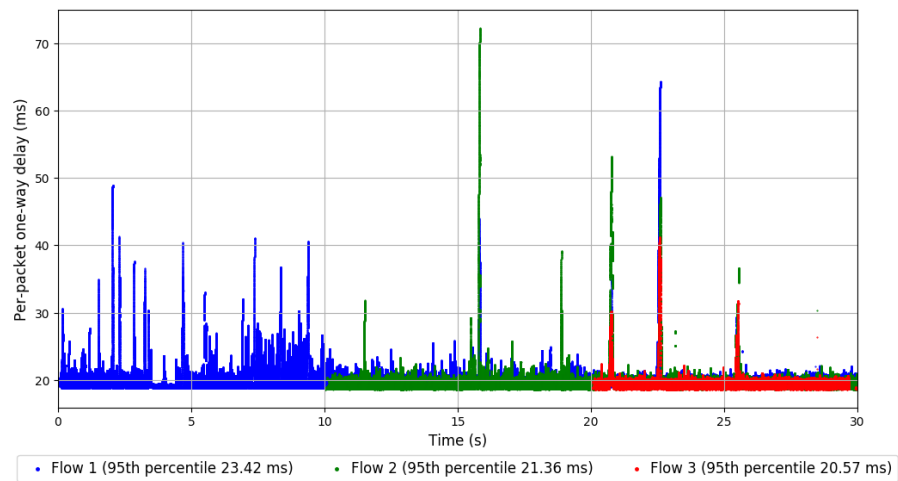
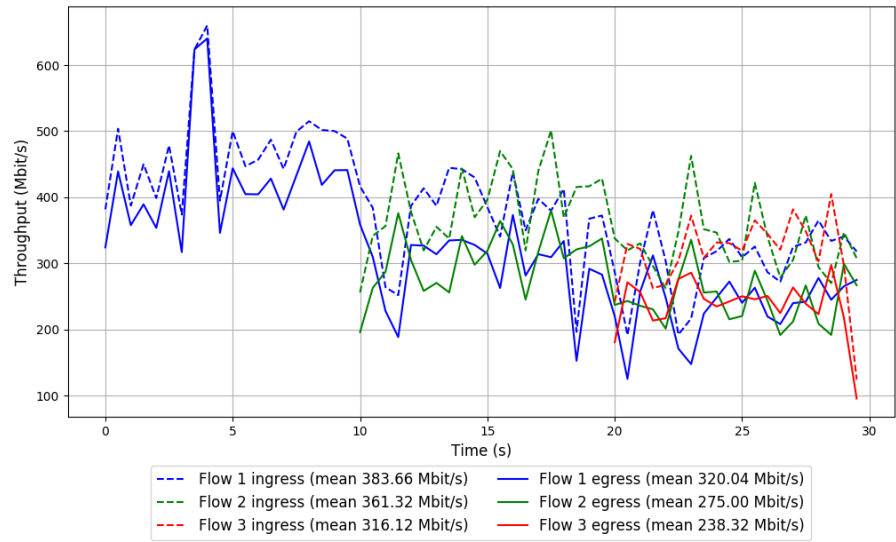


Run 6: Statistics of TCP BBR

Start at: 2017-12-12 01:22:14
End at: 2017-12-12 01:22:44
Local clock offset: -0.073 ms
Remote clock offset: -1.165 ms

Below is generated by plot.py at 2017-12-12 04:48:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 582.16 Mbit/s
95th percentile per-packet one-way delay: 22.669 ms
Loss rate: 20.14%
-- Flow 1:
Average throughput: 320.04 Mbit/s
95th percentile per-packet one-way delay: 23.417 ms
Loss rate: 16.58%
-- Flow 2:
Average throughput: 275.00 Mbit/s
95th percentile per-packet one-way delay: 21.359 ms
Loss rate: 23.88%
-- Flow 3:
Average throughput: 238.32 Mbit/s
95th percentile per-packet one-way delay: 20.566 ms
Loss rate: 24.61%

Run 6: Report of TCP BBR — Data Link

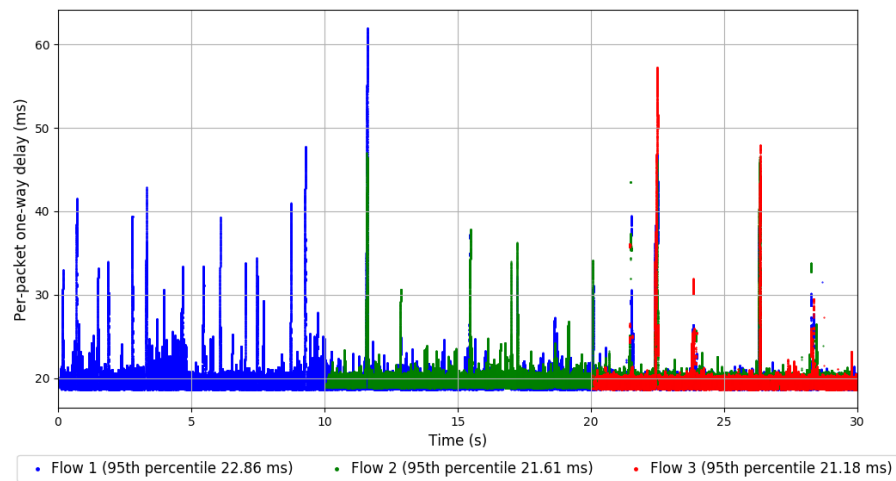
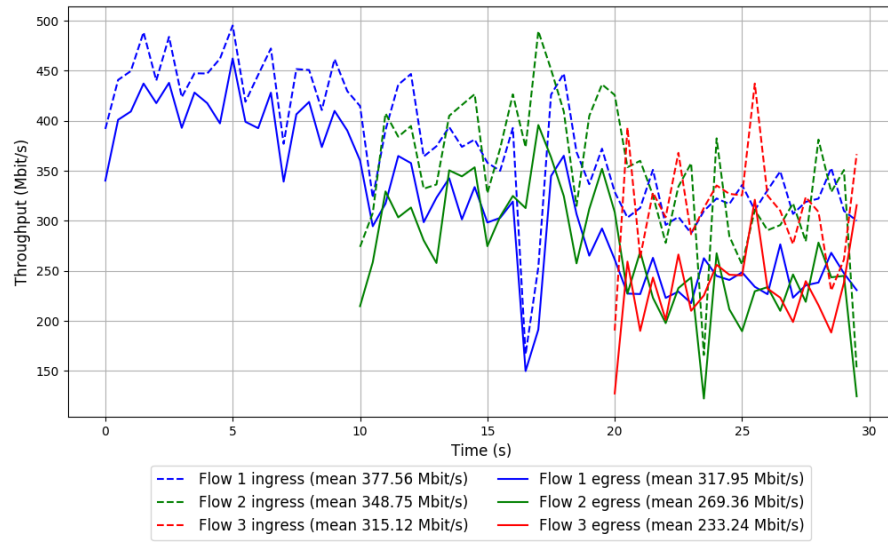


Run 7: Statistics of TCP BBR

Start at: 2017-12-12 01:42:34
End at: 2017-12-12 01:43:04
Local clock offset: -0.355 ms
Remote clock offset: -1.069 ms

Below is generated by plot.py at 2017-12-12 04:48:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 574.83 Mbit/s
95th percentile per-packet one-way delay: 22.328 ms
Loss rate: 19.55%
-- Flow 1:
Average throughput: 317.95 Mbit/s
95th percentile per-packet one-way delay: 22.855 ms
Loss rate: 15.79%
-- Flow 2:
Average throughput: 269.36 Mbit/s
95th percentile per-packet one-way delay: 21.608 ms
Loss rate: 22.76%
-- Flow 3:
Average throughput: 233.24 Mbit/s
95th percentile per-packet one-way delay: 21.176 ms
Loss rate: 25.98%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-12-12 02:02:38

End at: 2017-12-12 02:03:08

Local clock offset: -0.587 ms

Remote clock offset: -0.94 ms

Below is generated by plot.py at 2017-12-12 04:48:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 567.87 Mbit/s

95th percentile per-packet one-way delay: 22.997 ms

Loss rate: 19.02%

-- Flow 1:

Average throughput: 318.85 Mbit/s

95th percentile per-packet one-way delay: 23.858 ms

Loss rate: 15.47%

-- Flow 2:

Average throughput: 254.32 Mbit/s

95th percentile per-packet one-way delay: 21.491 ms

Loss rate: 21.21%

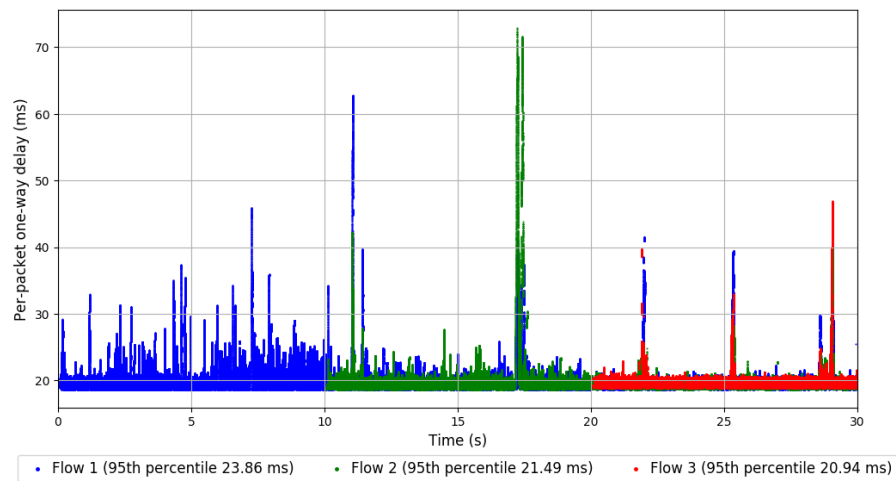
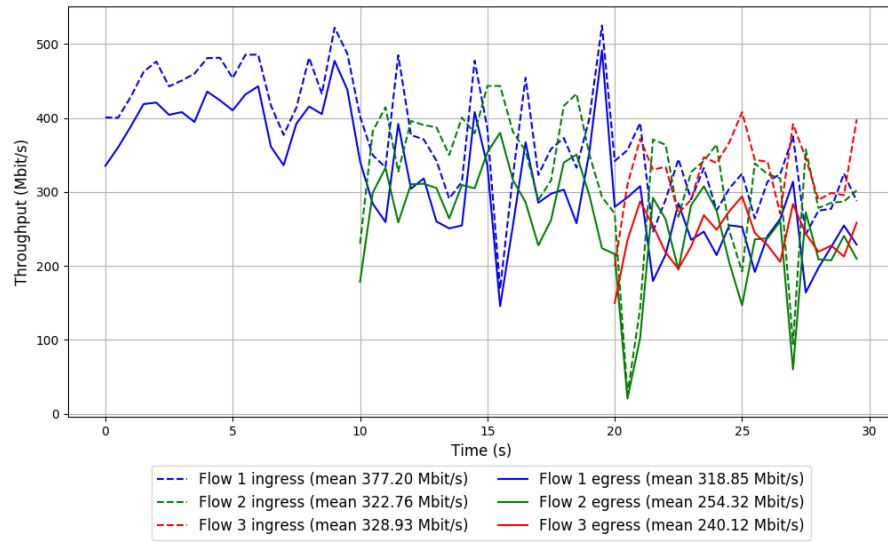
-- Flow 3:

Average throughput: 240.12 Mbit/s

95th percentile per-packet one-way delay: 20.937 ms

Loss rate: 26.99%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-12-12 02:22:55

End at: 2017-12-12 02:23:25

Local clock offset: -0.126 ms

Remote clock offset: -1.03 ms

Below is generated by plot.py at 2017-12-12 04:56:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 583.23 Mbit/s

95th percentile per-packet one-way delay: 22.861 ms

Loss rate: 17.38%

-- Flow 1:

Average throughput: 309.69 Mbit/s

95th percentile per-packet one-way delay: 24.102 ms

Loss rate: 15.60%

-- Flow 2:

Average throughput: 294.04 Mbit/s

95th percentile per-packet one-way delay: 21.523 ms

Loss rate: 18.50%

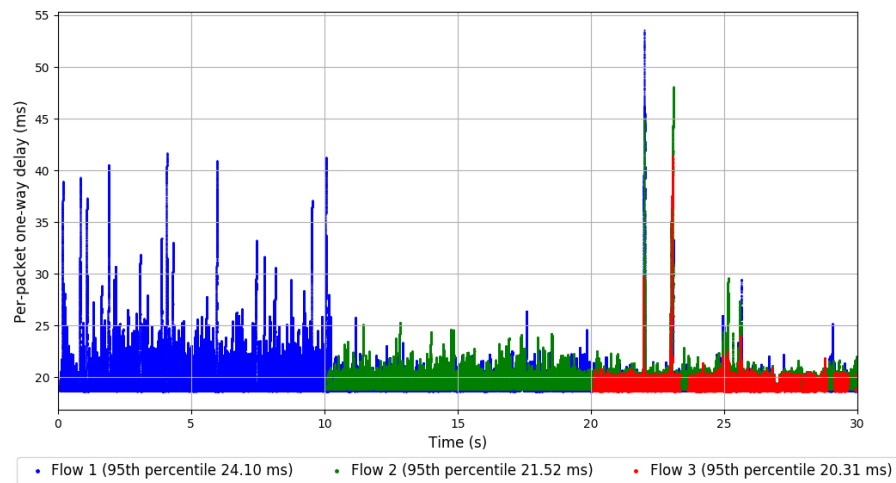
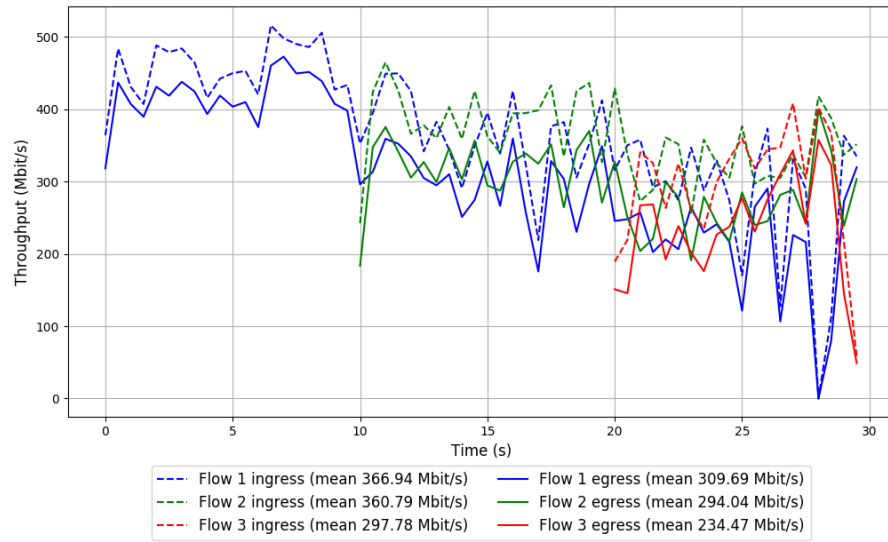
-- Flow 3:

Average throughput: 234.47 Mbit/s

95th percentile per-packet one-way delay: 20.306 ms

Loss rate: 21.26%

Run 9: Report of TCP BBR — Data Link

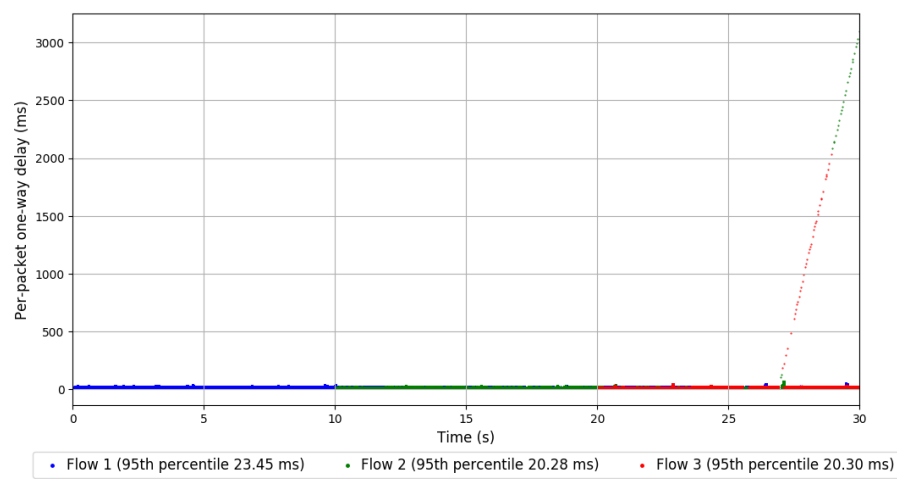
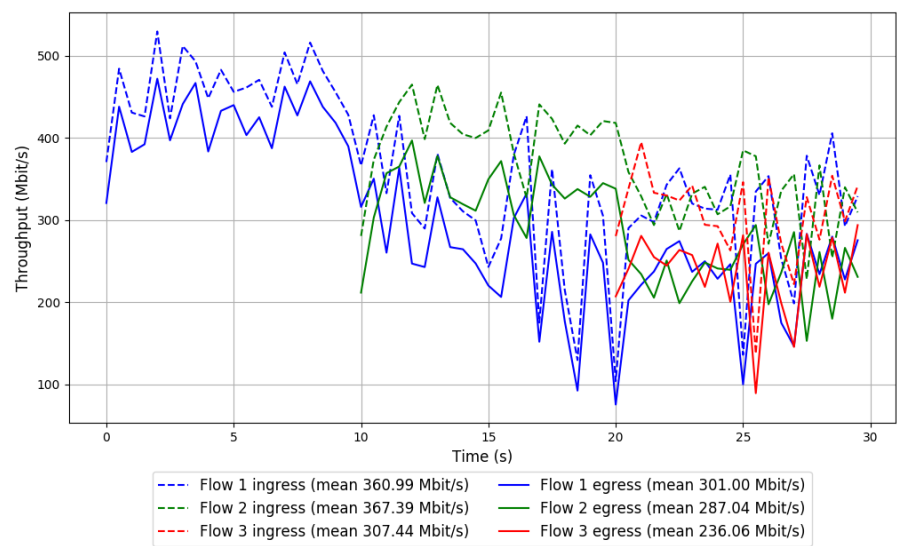


Run 10: Statistics of TCP BBR

Start at: 2017-12-12 02:43:22
End at: 2017-12-12 02:43:52
Local clock offset: 0.282 ms
Remote clock offset: -1.296 ms

Below is generated by plot.py at 2017-12-12 04:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 570.70 Mbit/s
95th percentile per-packet one-way delay: 22.422 ms
Loss rate: 19.38%
-- Flow 1:
Average throughput: 301.00 Mbit/s
95th percentile per-packet one-way delay: 23.448 ms
Loss rate: 16.62%
-- Flow 2:
Average throughput: 287.04 Mbit/s
95th percentile per-packet one-way delay: 20.277 ms
Loss rate: 21.87%
-- Flow 3:
Average throughput: 236.06 Mbit/s
95th percentile per-packet one-way delay: 20.303 ms
Loss rate: 23.19%

Run 10: Report of TCP BBR — Data Link

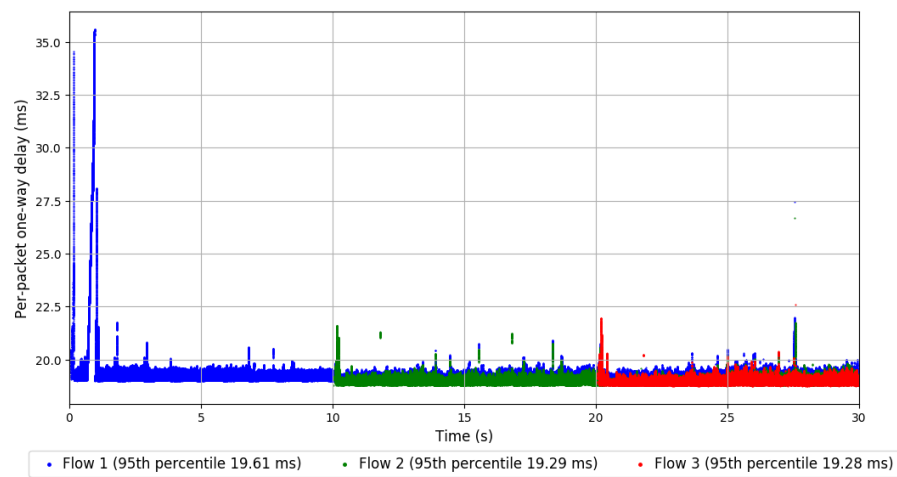
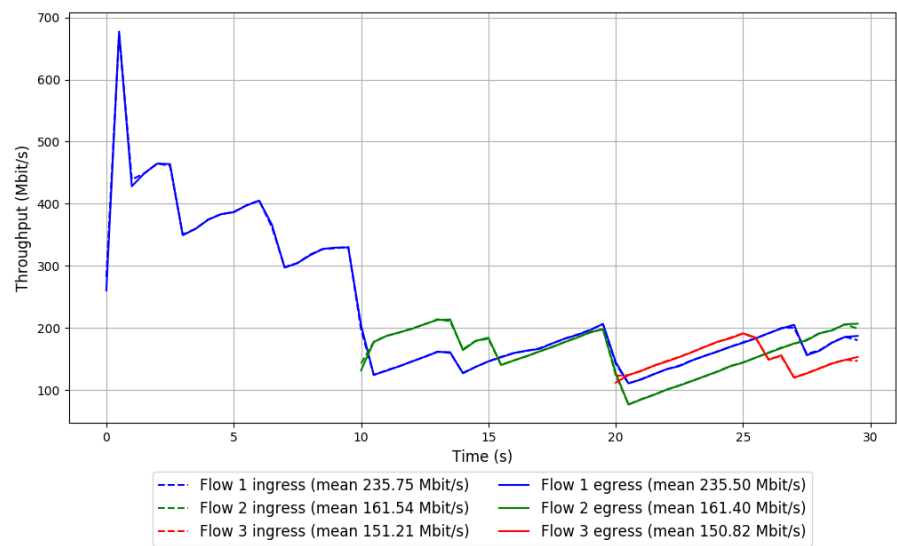


Run 1: Statistics of TCP Cubic

Start at: 2017-12-11 23:24:33
End at: 2017-12-11 23:25:03
Local clock offset: 0.105 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2017-12-12 04:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 393.05 Mbit/s
95th percentile per-packet one-way delay: 19.511 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 235.50 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 161.40 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 150.82 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link

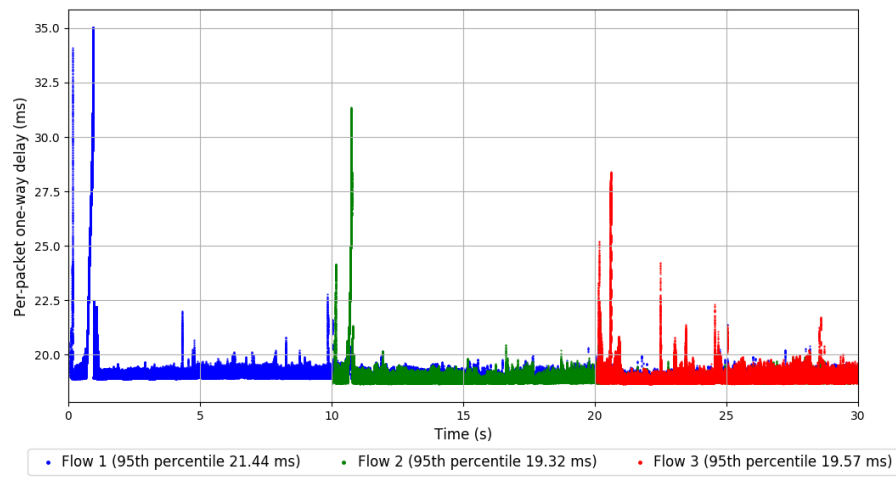
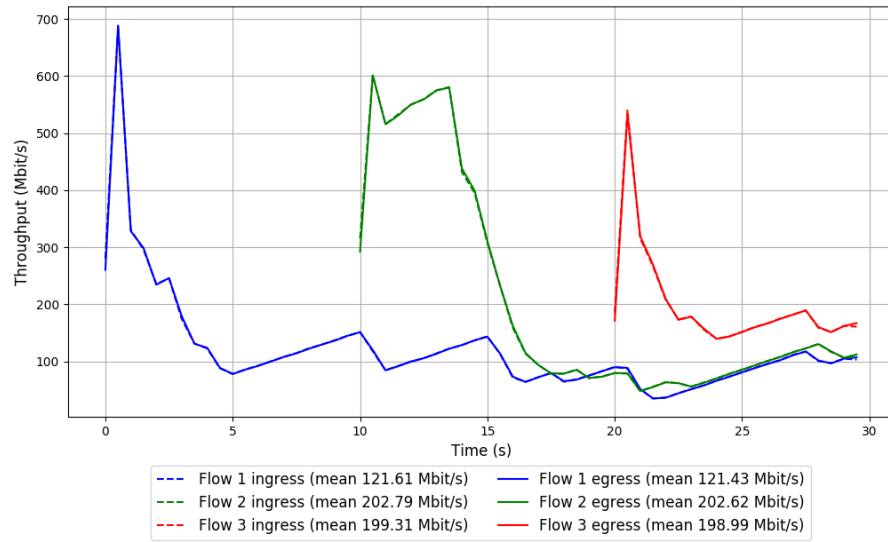


Run 2: Statistics of TCP Cubic

Start at: 2017-12-11 23:44:41
End at: 2017-12-11 23:45:11
Local clock offset: 0.271 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2017-12-12 04:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.43 Mbit/s
95th percentile per-packet one-way delay: 19.698 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 121.43 Mbit/s
95th percentile per-packet one-way delay: 21.442 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 202.62 Mbit/s
95th percentile per-packet one-way delay: 19.322 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 198.99 Mbit/s
95th percentile per-packet one-way delay: 19.569 ms
Loss rate: 0.16%

Run 2: Report of TCP Cubic — Data Link

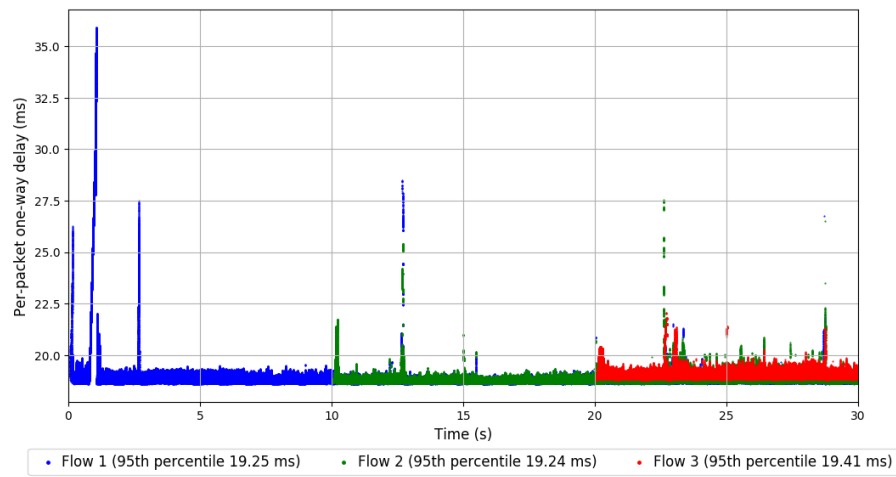
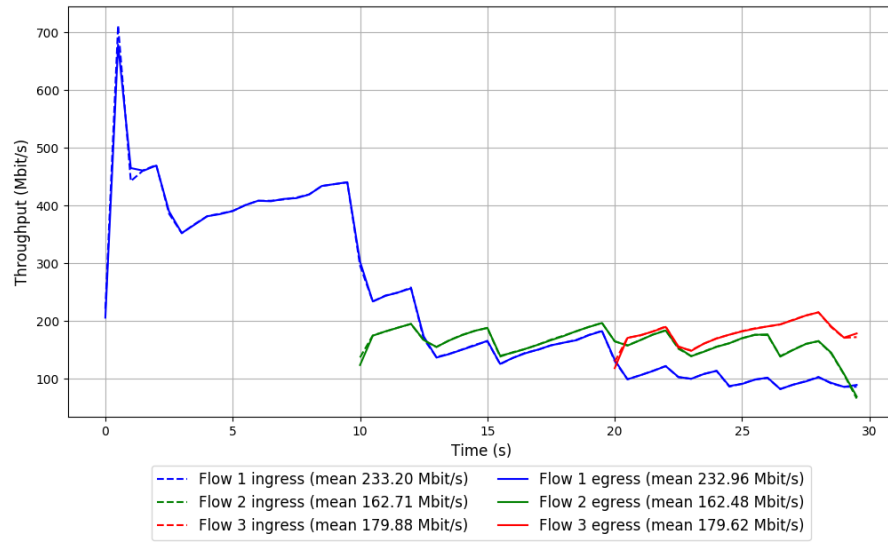


Run 3: Statistics of TCP Cubic

Start at: 2017-12-12 00:04:39
End at: 2017-12-12 00:05:09
Local clock offset: 0.429 ms
Remote clock offset: -0.479 ms

Below is generated by plot.py at 2017-12-12 04:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 400.77 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 232.96 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 162.48 Mbit/s
95th percentile per-packet one-way delay: 19.240 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 179.62 Mbit/s
95th percentile per-packet one-way delay: 19.405 ms
Loss rate: 0.14%

Run 3: Report of TCP Cubic — Data Link

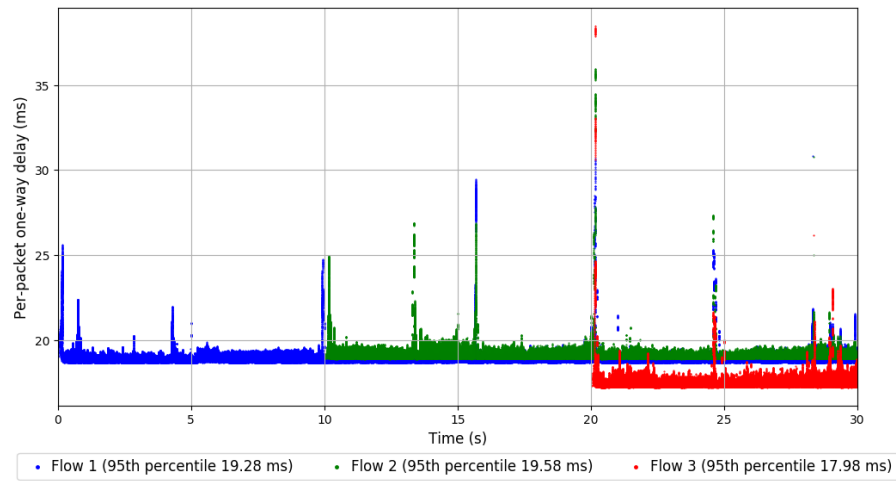
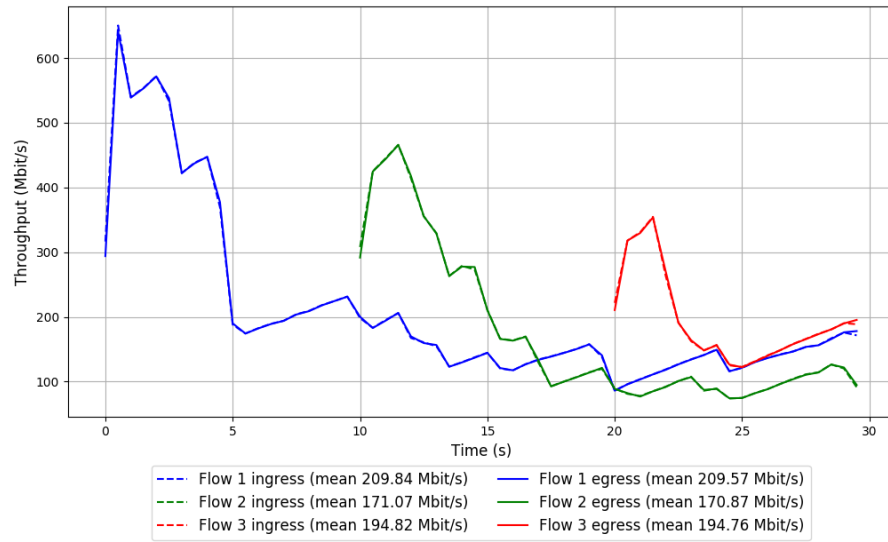


Run 4: Statistics of TCP Cubic

Start at: 2017-12-12 00:24:58
End at: 2017-12-12 00:25:28
Local clock offset: 0.199 ms
Remote clock offset: -0.702 ms

Below is generated by plot.py at 2017-12-12 04:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.00 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 209.57 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 170.87 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 194.76 Mbit/s
95th percentile per-packet one-way delay: 17.979 ms
Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link

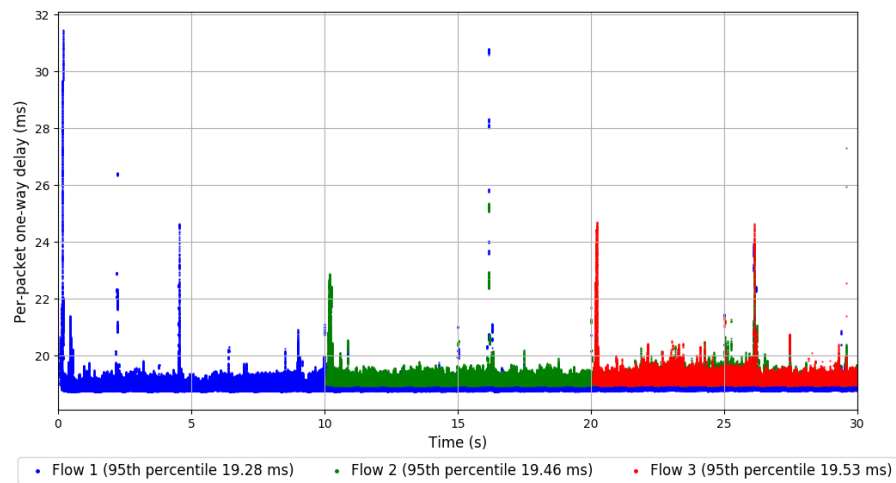
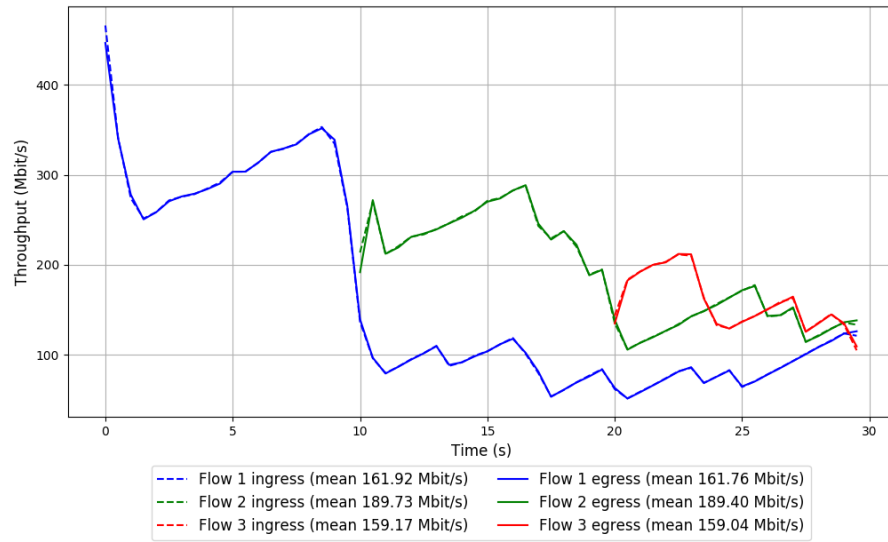


Run 5: Statistics of TCP Cubic

Start at: 2017-12-12 00:45:06
End at: 2017-12-12 00:45:36
Local clock offset: 0.133 ms
Remote clock offset: -0.691 ms

Below is generated by plot.py at 2017-12-12 04:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.64 Mbit/s
95th percentile per-packet one-way delay: 19.431 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 161.76 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 189.40 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 159.04 Mbit/s
95th percentile per-packet one-way delay: 19.534 ms
Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link

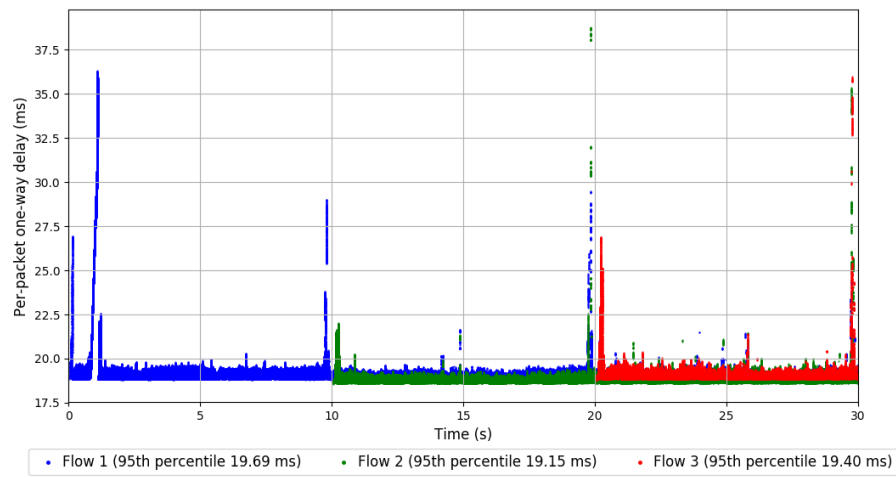
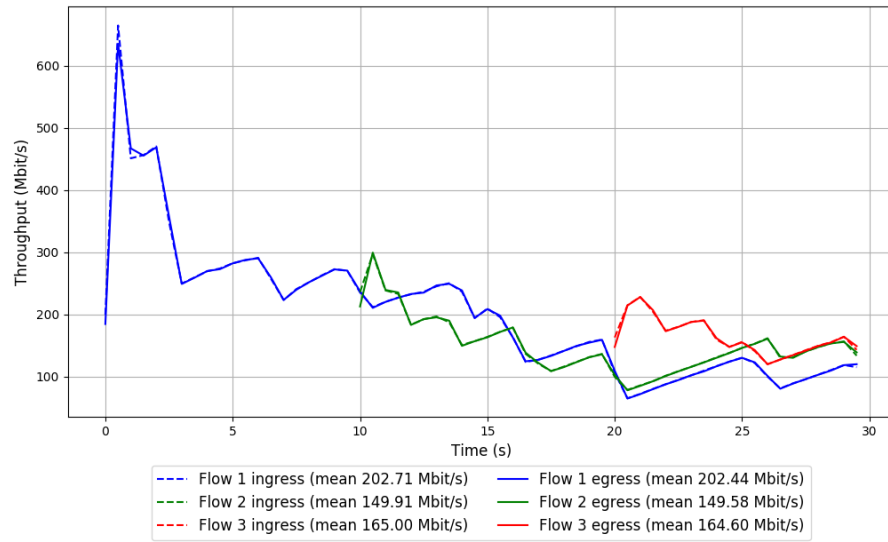


Run 6: Statistics of TCP Cubic

Start at: 2017-12-12 01:05:12
End at: 2017-12-12 01:05:42
Local clock offset: 0.308 ms
Remote clock offset: -1.207 ms

Below is generated by plot.py at 2017-12-12 04:56:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.63 Mbit/s
95th percentile per-packet one-way delay: 19.435 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 202.44 Mbit/s
95th percentile per-packet one-way delay: 19.693 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 149.58 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 164.60 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.24%

Run 6: Report of TCP Cubic — Data Link

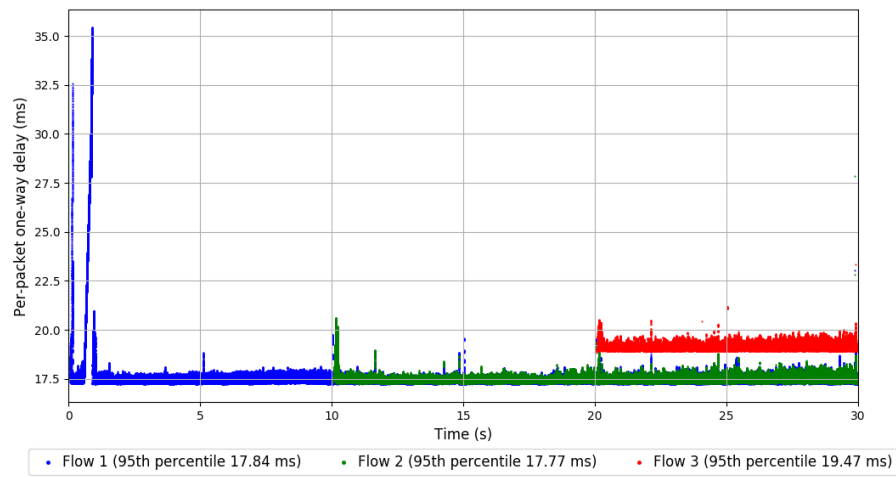
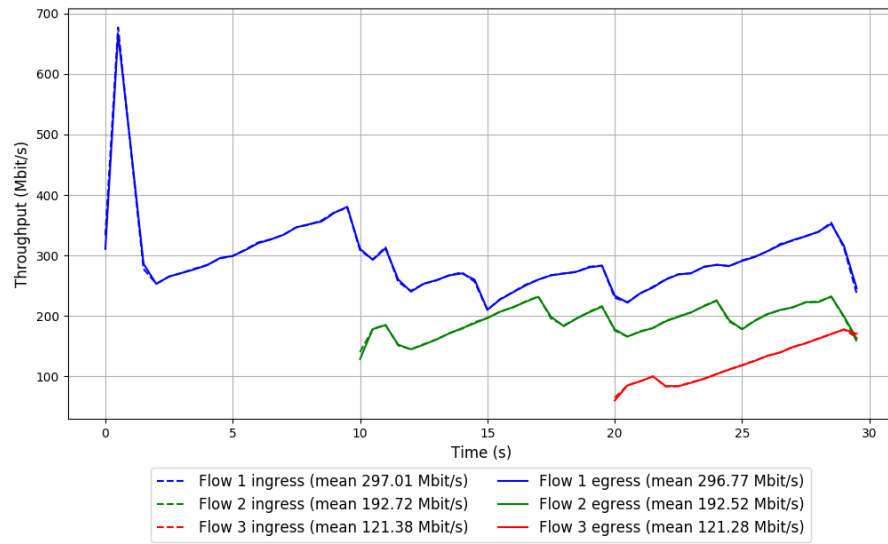


Run 7: Statistics of TCP Cubic

Start at: 2017-12-12 01:25:23
End at: 2017-12-12 01:25:53
Local clock offset: -0.217 ms
Remote clock offset: -1.202 ms

Below is generated by plot.py at 2017-12-12 04:58:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 465.17 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 296.77 Mbit/s
95th percentile per-packet one-way delay: 17.843 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 192.52 Mbit/s
95th percentile per-packet one-way delay: 17.768 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 121.28 Mbit/s
95th percentile per-packet one-way delay: 19.470 ms
Loss rate: 0.07%

Run 7: Report of TCP Cubic — Data Link

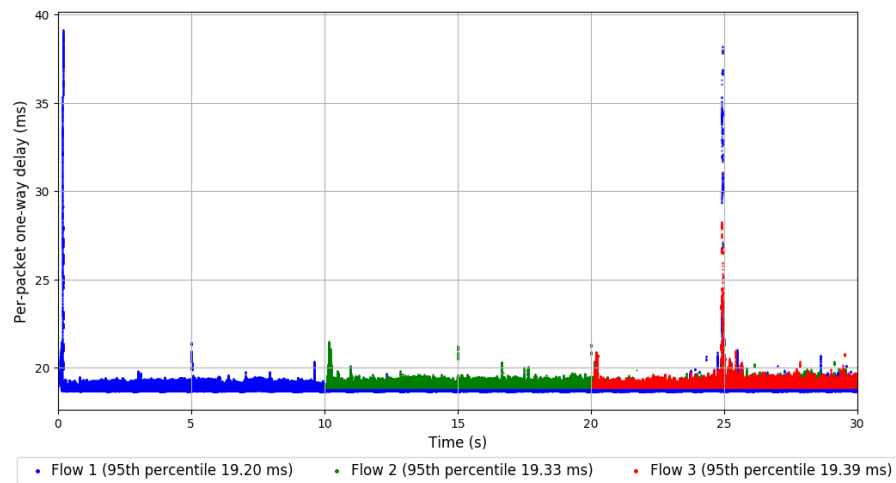
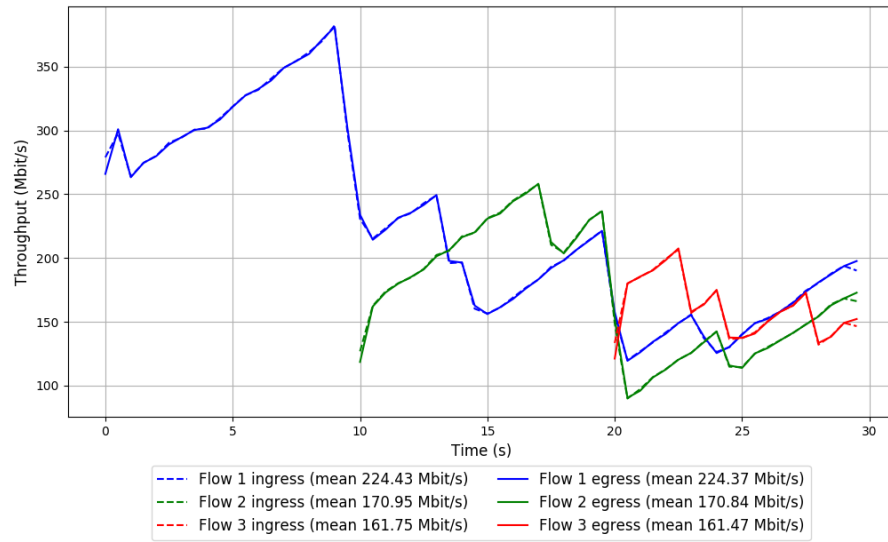


Run 8: Statistics of TCP Cubic

Start at: 2017-12-12 01:45:42
End at: 2017-12-12 01:46:12
Local clock offset: -0.508 ms
Remote clock offset: -1.141 ms

Below is generated by plot.py at 2017-12-12 04:58:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.72 Mbit/s
95th percentile per-packet one-way delay: 19.287 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 224.37 Mbit/s
95th percentile per-packet one-way delay: 19.202 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 170.84 Mbit/s
95th percentile per-packet one-way delay: 19.332 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 161.47 Mbit/s
95th percentile per-packet one-way delay: 19.390 ms
Loss rate: 0.17%

Run 8: Report of TCP Cubic — Data Link

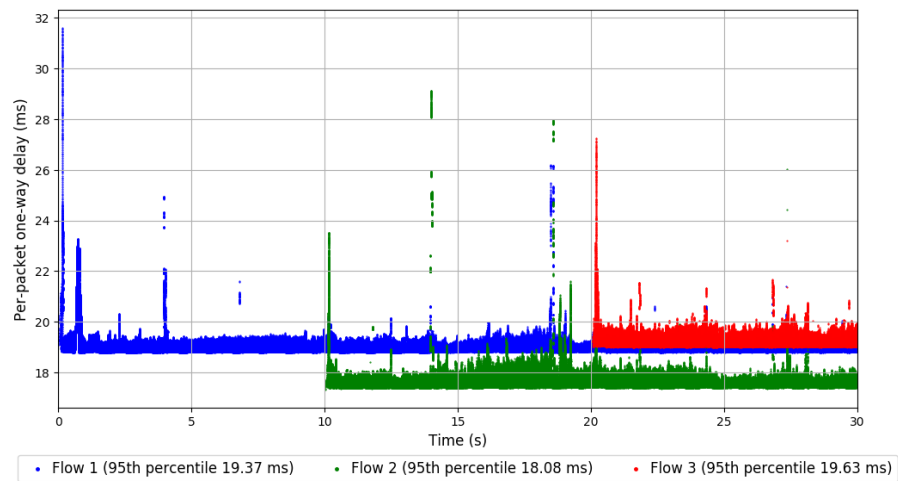
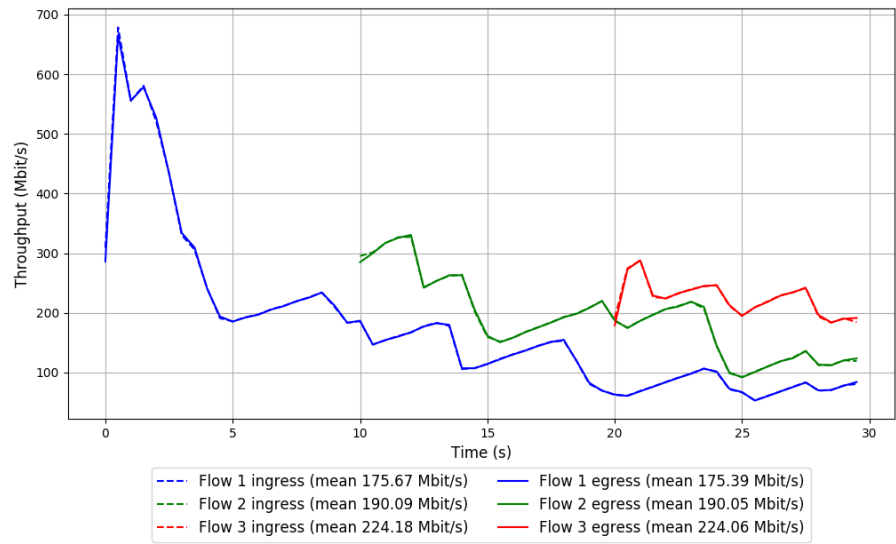


Run 9: Statistics of TCP Cubic

Start at: 2017-12-12 02:05:46
End at: 2017-12-12 02:06:16
Local clock offset: -0.54 ms
Remote clock offset: -0.837 ms

Below is generated by plot.py at 2017-12-12 04:58:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.29 Mbit/s
95th percentile per-packet one-way delay: 19.469 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 175.39 Mbit/s
95th percentile per-packet one-way delay: 19.367 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 190.05 Mbit/s
95th percentile per-packet one-way delay: 18.081 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 224.06 Mbit/s
95th percentile per-packet one-way delay: 19.628 ms
Loss rate: 0.07%

Run 9: Report of TCP Cubic — Data Link

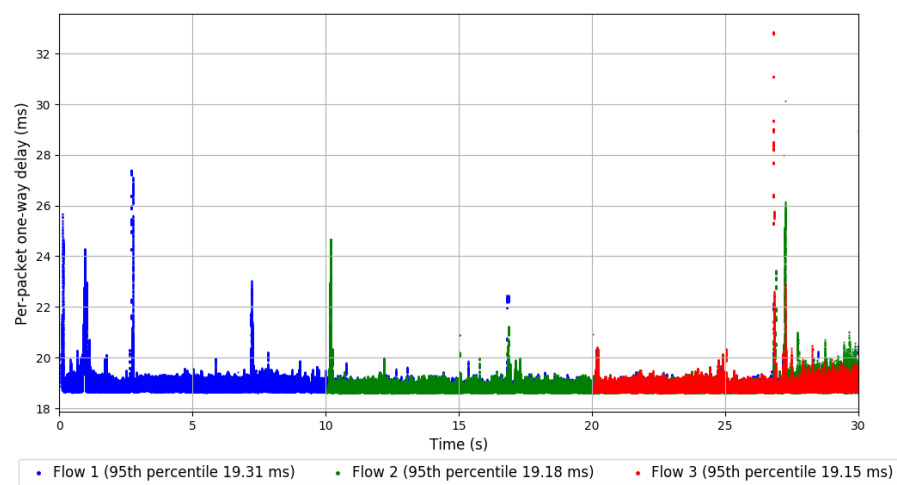
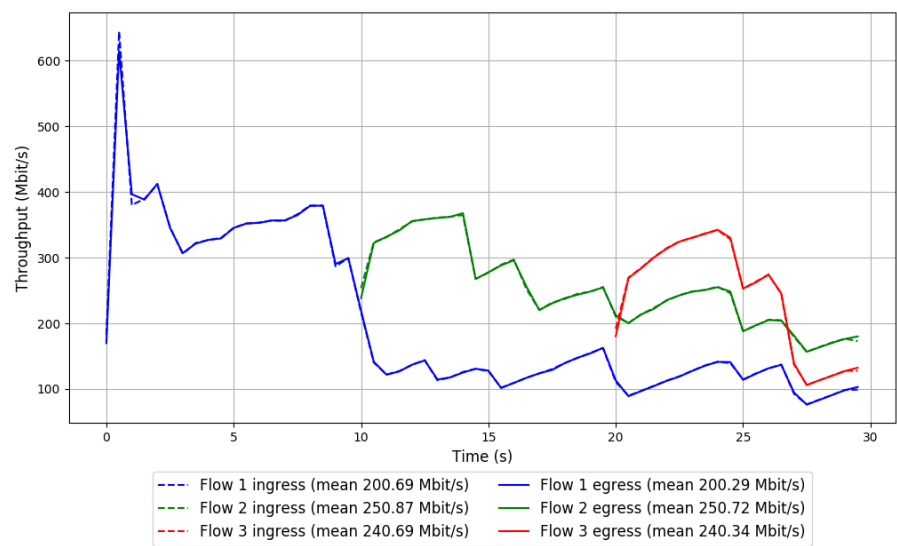


Run 10: Statistics of TCP Cubic

Start at: 2017-12-12 02:26:03
End at: 2017-12-12 02:26:33
Local clock offset: -0.09 ms
Remote clock offset: -1.006 ms

Below is generated by plot.py at 2017-12-12 04:59:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.01 Mbit/s
95th percentile per-packet one-way delay: 19.232 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 200.29 Mbit/s
95th percentile per-packet one-way delay: 19.306 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 250.72 Mbit/s
95th percentile per-packet one-way delay: 19.180 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 240.34 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.14%

Run 10: Report of TCP Cubic — Data Link

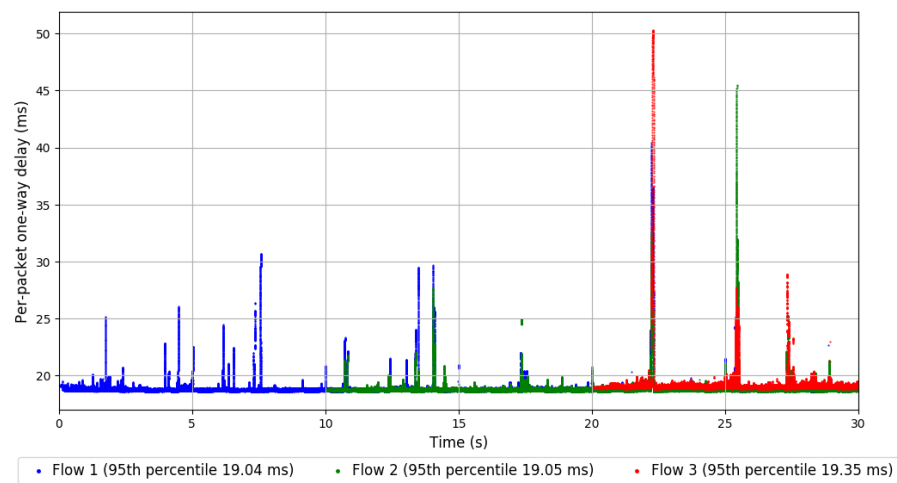
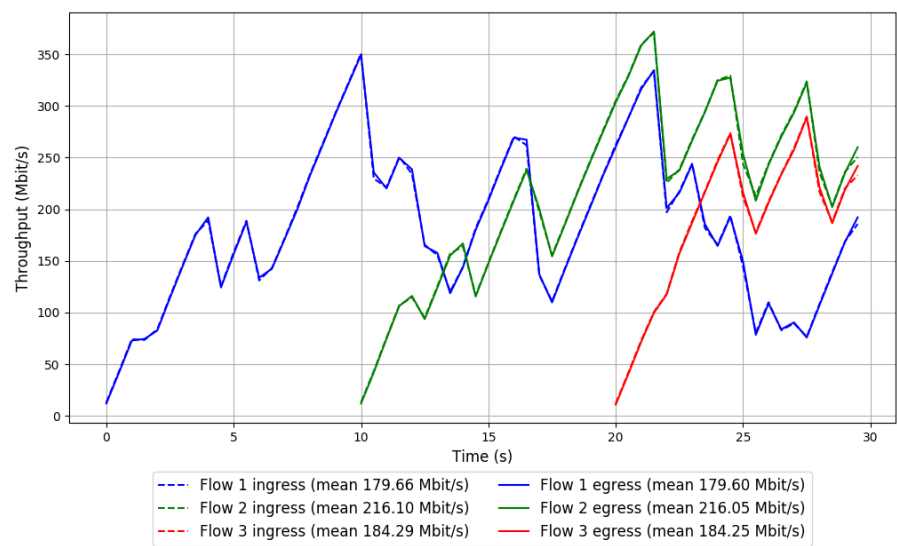


```
Run 1: Statistics of LEDBAT

Start at: 2017-12-11 23:37:20
End at: 2017-12-11 23:37:50
Local clock offset: 0.273 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2017-12-12 04:59:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 384.65 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 179.60 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 216.05 Mbit/s
95th percentile per-packet one-way delay: 19.051 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 184.25 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.02%
```


Run 1: Report of LEDBAT — Data Link

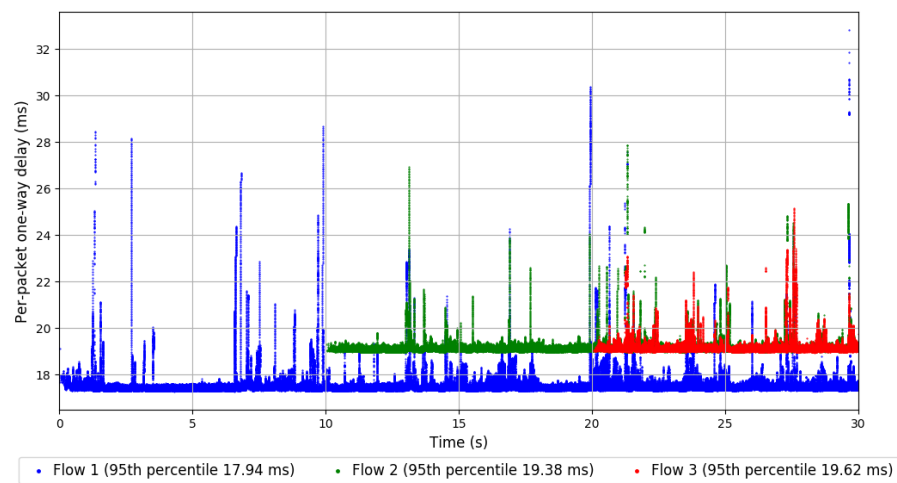
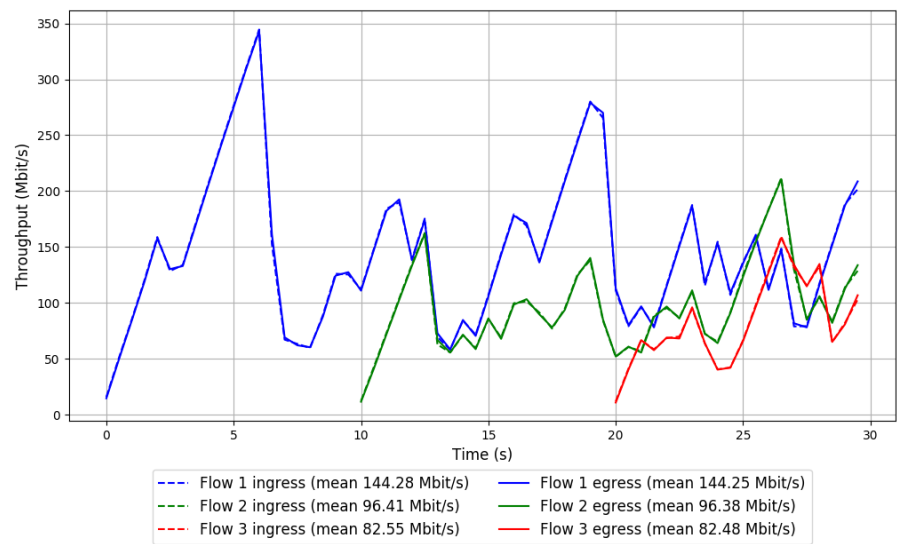


Run 2: Statistics of LEDBAT

Start at: 2017-12-11 23:57:26
End at: 2017-12-11 23:57:56
Local clock offset: 0.416 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2017-12-12 04:59:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.75 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 144.25 Mbit/s
95th percentile per-packet one-way delay: 17.936 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 82.48 Mbit/s
95th percentile per-packet one-way delay: 19.619 ms
Loss rate: 0.09%

Run 2: Report of LEDBAT — Data Link

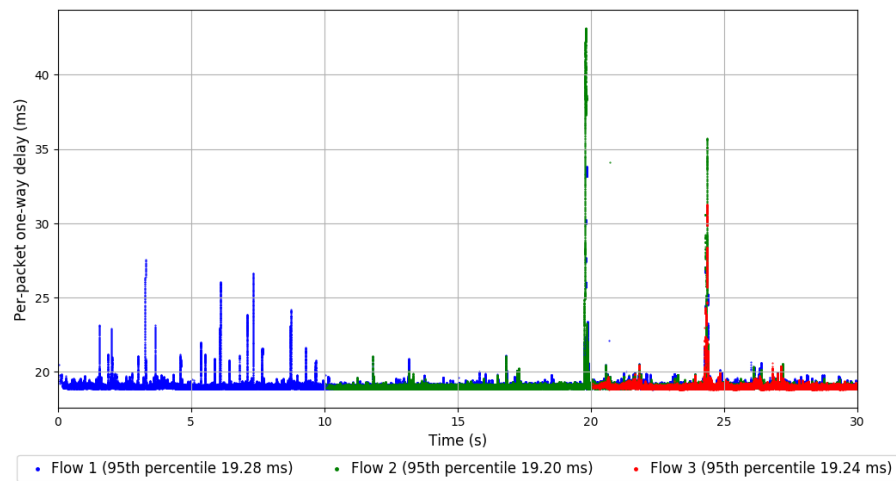
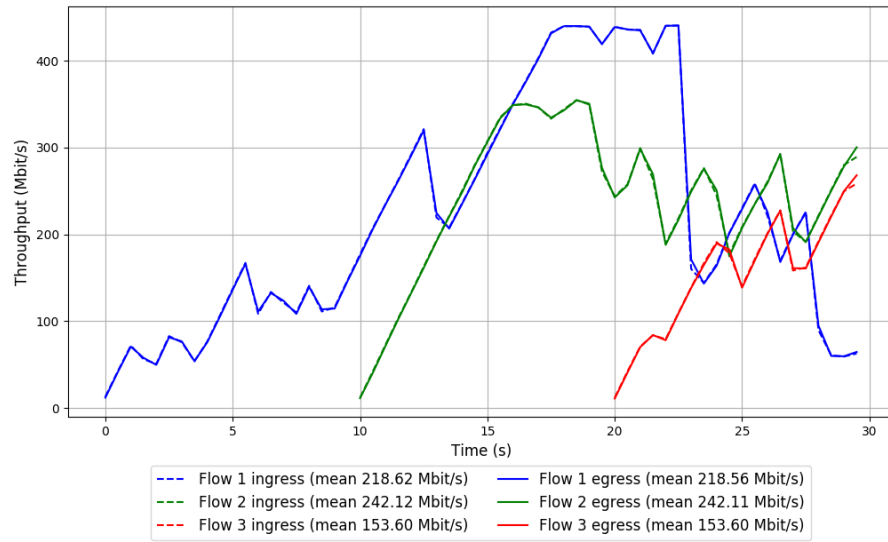


Run 3: Statistics of LEDBAT

Start at: 2017-12-12 00:17:33
End at: 2017-12-12 00:18:03
Local clock offset: 0.391 ms
Remote clock offset: -0.603 ms

Below is generated by plot.py at 2017-12-12 05:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.68 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 218.56 Mbit/s
95th percentile per-packet one-way delay: 19.284 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 242.11 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 153.60 Mbit/s
95th percentile per-packet one-way delay: 19.236 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

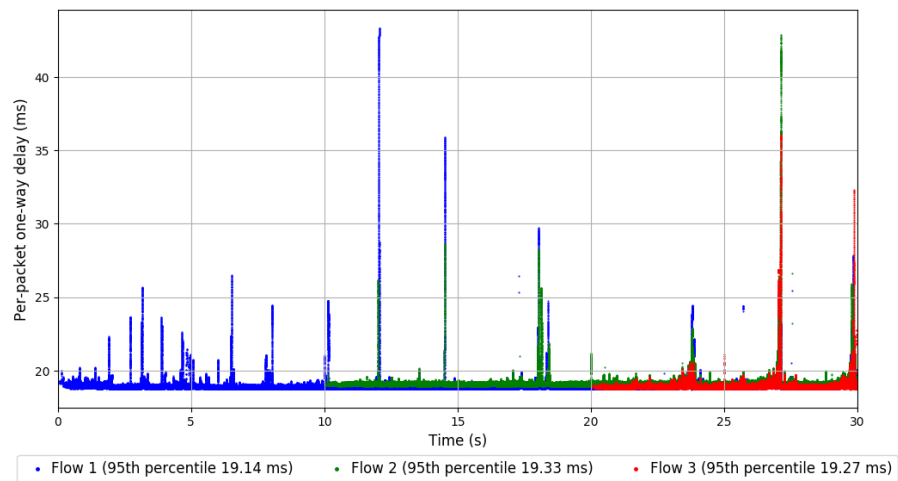
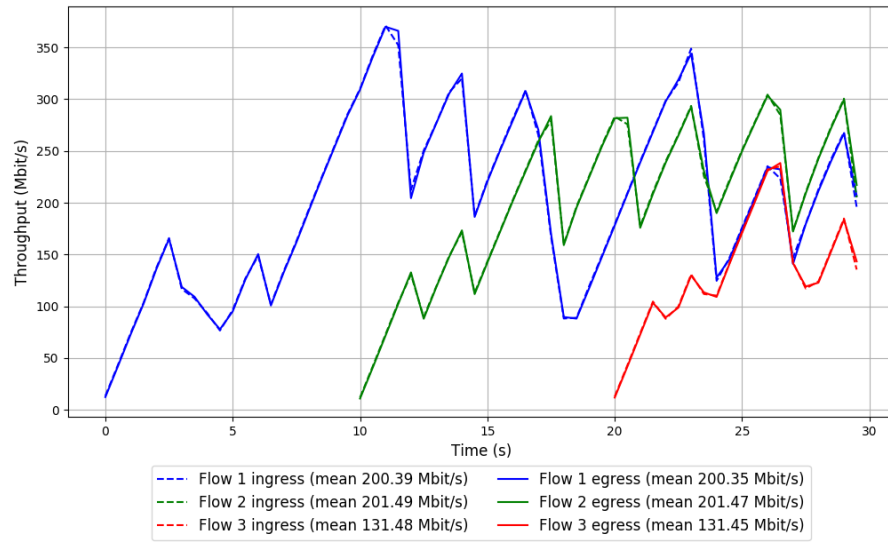


Run 4: Statistics of LEDBAT

Start at: 2017-12-12 00:37:45
End at: 2017-12-12 00:38:15
Local clock offset: 0.108 ms
Remote clock offset: -0.759 ms

Below is generated by plot.py at 2017-12-12 05:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.09 Mbit/s
95th percentile per-packet one-way delay: 19.259 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 200.35 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 201.47 Mbit/s
95th percentile per-packet one-way delay: 19.328 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 131.45 Mbit/s
95th percentile per-packet one-way delay: 19.275 ms
Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link

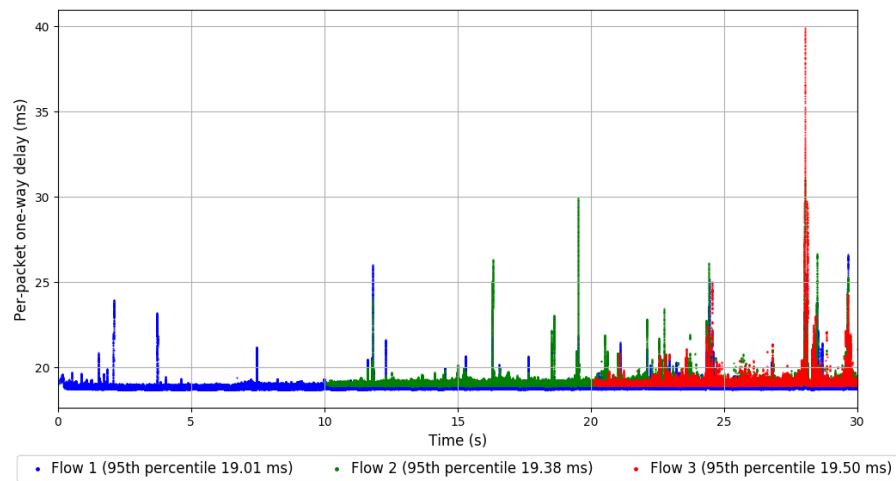
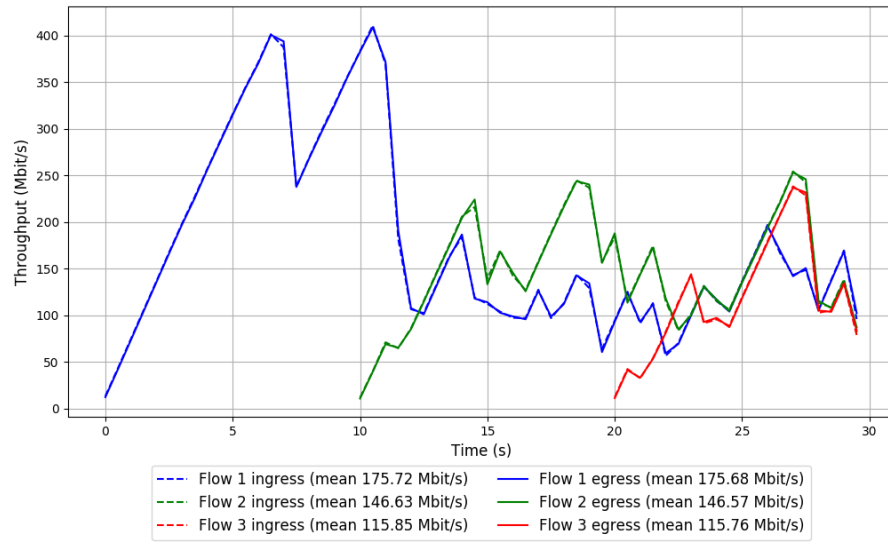


Run 5: Statistics of LEDBAT

Start at: 2017-12-12 00:57:55
End at: 2017-12-12 00:58:25
Local clock offset: 0.247 ms
Remote clock offset: -1.021 ms

Below is generated by plot.py at 2017-12-12 05:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.58 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 175.68 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 146.57 Mbit/s
95th percentile per-packet one-way delay: 19.380 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 115.76 Mbit/s
95th percentile per-packet one-way delay: 19.501 ms
Loss rate: 0.06%

Run 5: Report of LEDBAT — Data Link

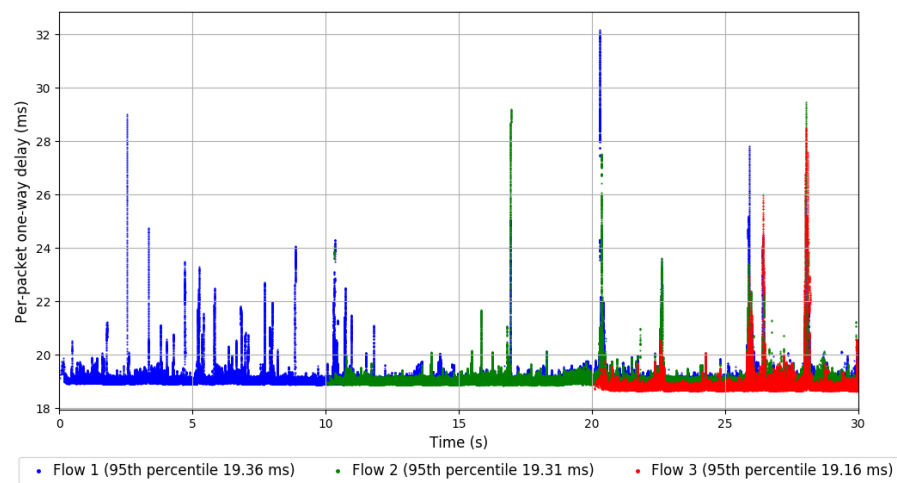
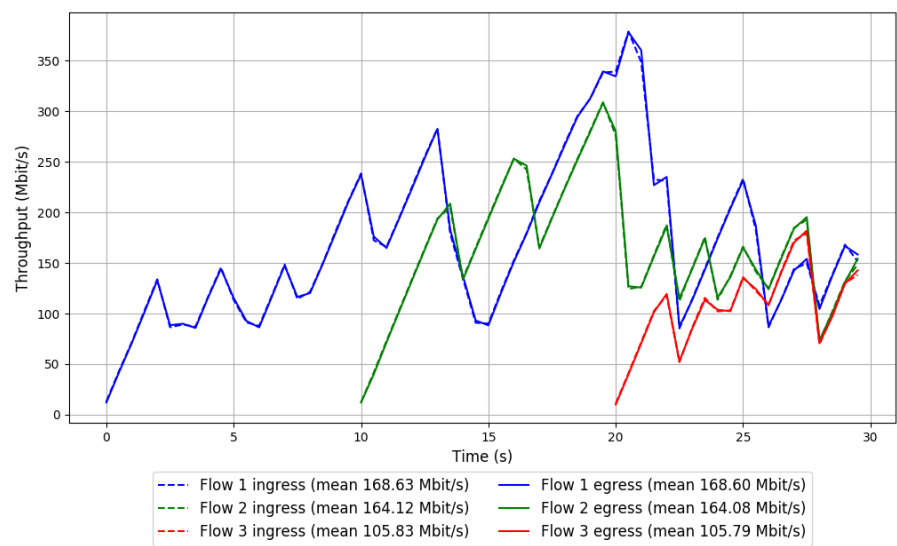


Run 6: Statistics of LEDBAT

Start at: 2017-12-12 01:18:05
End at: 2017-12-12 01:18:35
Local clock offset: -0.005 ms
Remote clock offset: -1.112 ms

Below is generated by plot.py at 2017-12-12 05:02:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.83 Mbit/s
95th percentile per-packet one-way delay: 19.328 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 168.60 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 164.08 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 105.79 Mbit/s
95th percentile per-packet one-way delay: 19.165 ms
Loss rate: 0.04%

Run 6: Report of LEDBAT — Data Link

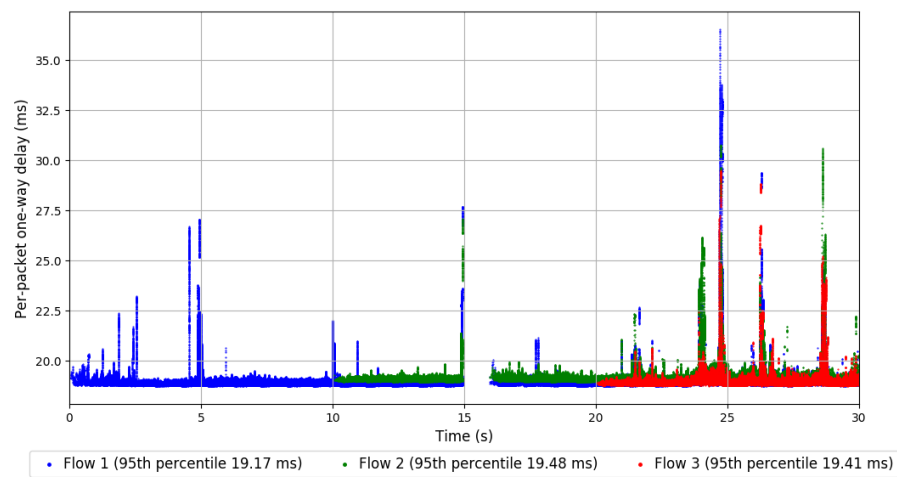
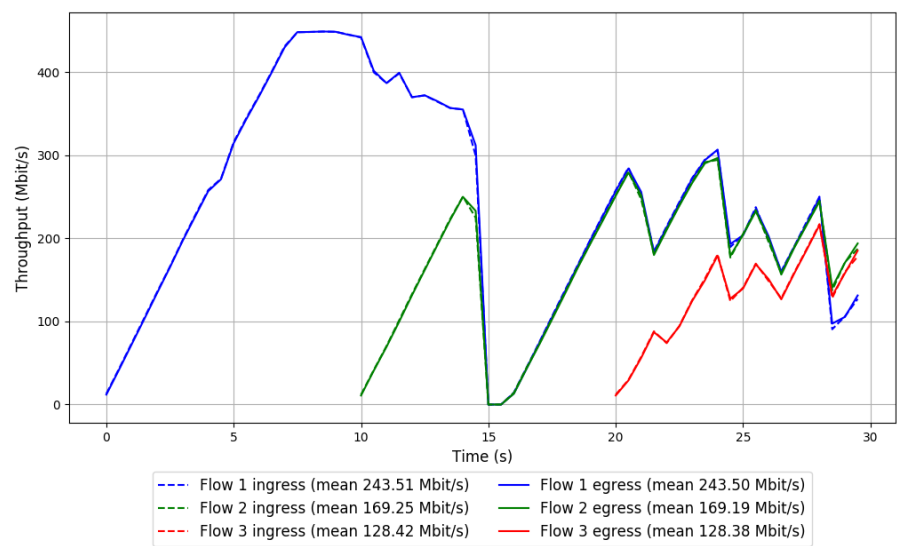


Run 7: Statistics of LEDBAT

Start at: 2017-12-12 01:38:20
End at: 2017-12-12 01:38:50
Local clock offset: -0.377 ms
Remote clock offset: -1.095 ms

Below is generated by plot.py at 2017-12-12 05:03:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.62 Mbit/s
95th percentile per-packet one-way delay: 19.333 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 243.50 Mbit/s
95th percentile per-packet one-way delay: 19.172 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 169.19 Mbit/s
95th percentile per-packet one-way delay: 19.481 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 128.38 Mbit/s
95th percentile per-packet one-way delay: 19.405 ms
Loss rate: 0.03%

Run 7: Report of LEDBAT — Data Link

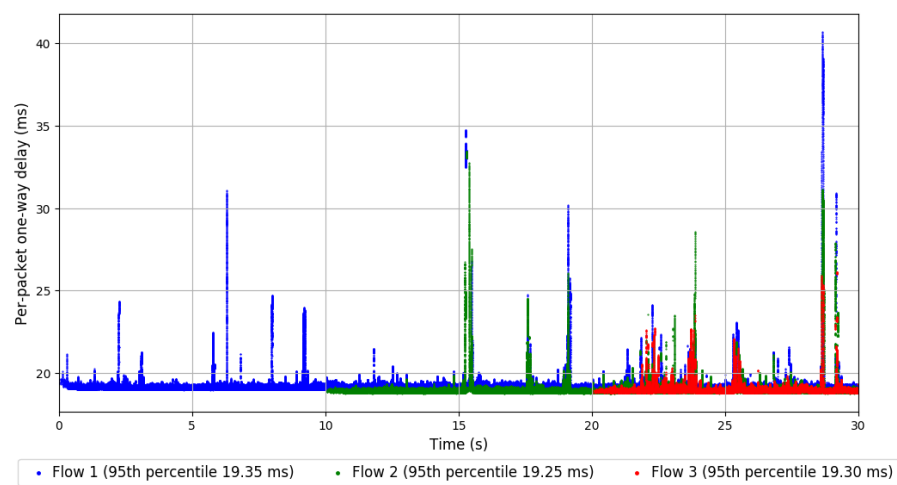
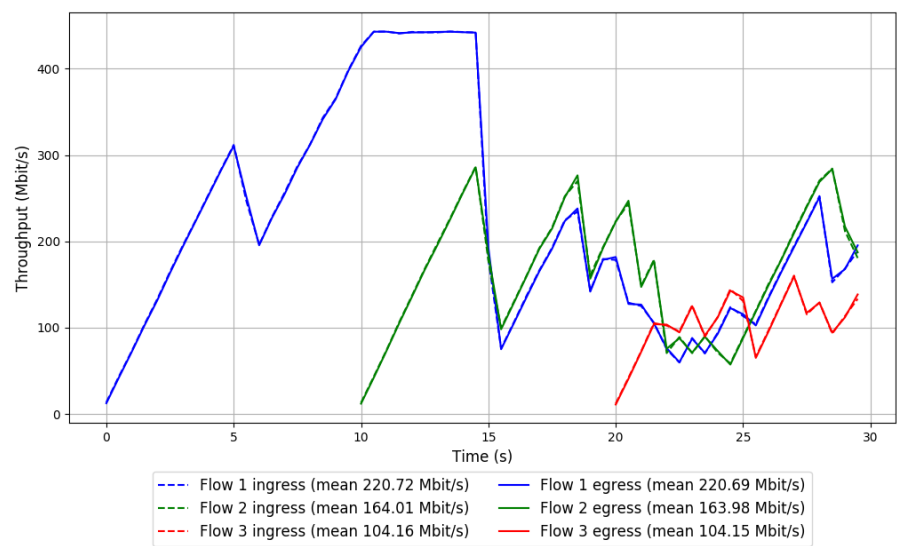


Run 8: Statistics of LEDBAT

Start at: 2017-12-12 01:58:26
End at: 2017-12-12 01:58:56
Local clock offset: -0.797 ms
Remote clock offset: -0.929 ms

Below is generated by plot.py at 2017-12-12 05:03:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.39 Mbit/s
95th percentile per-packet one-way delay: 19.338 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 220.69 Mbit/s
95th percentile per-packet one-way delay: 19.350 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 163.98 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 104.15 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link

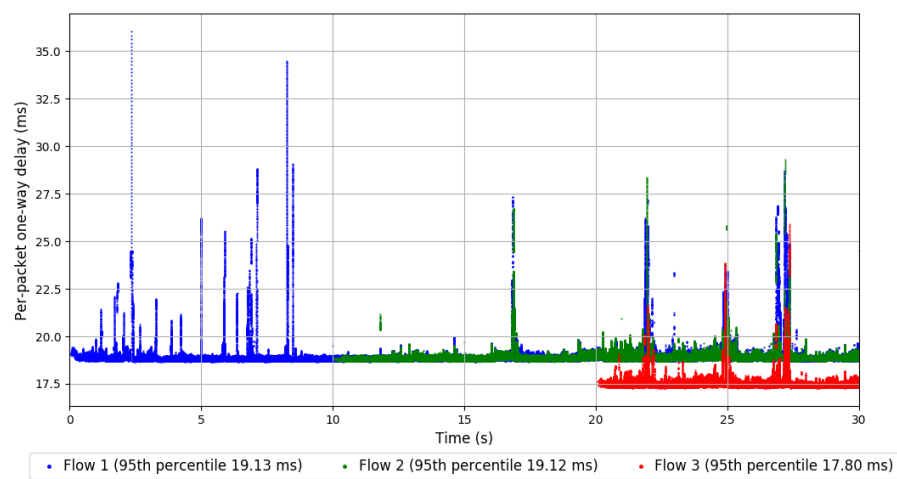
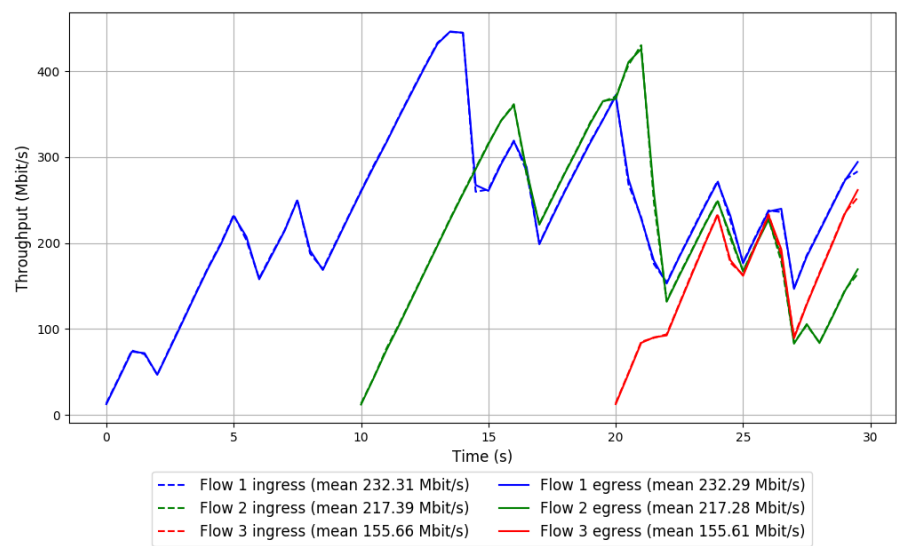


Run 9: Statistics of LEDBAT

Start at: 2017-12-12 02:18:38
End at: 2017-12-12 02:19:08
Local clock offset: -0.251 ms
Remote clock offset: -0.991 ms

Below is generated by plot.py at 2017-12-12 05:04:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.53 Mbit/s
95th percentile per-packet one-way delay: 19.113 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 232.29 Mbit/s
95th percentile per-packet one-way delay: 19.134 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 217.28 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 155.61 Mbit/s
95th percentile per-packet one-way delay: 17.802 ms
Loss rate: 0.03%

Run 9: Report of LEDBAT — Data Link

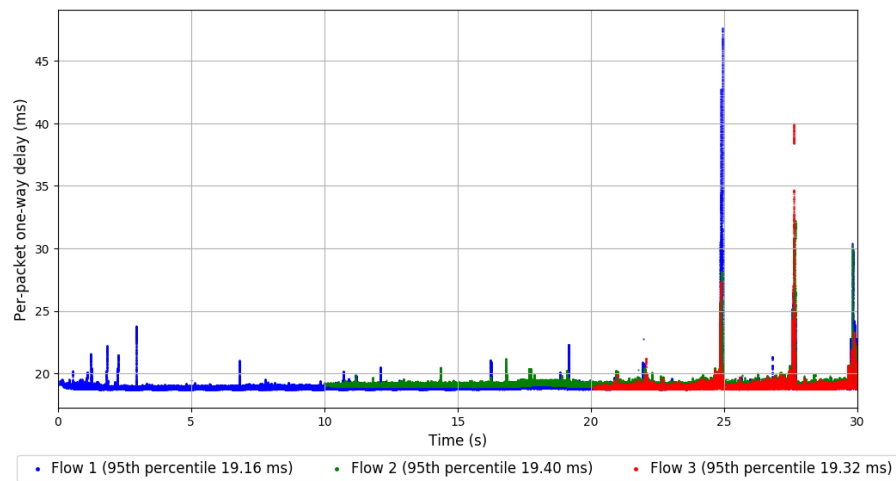
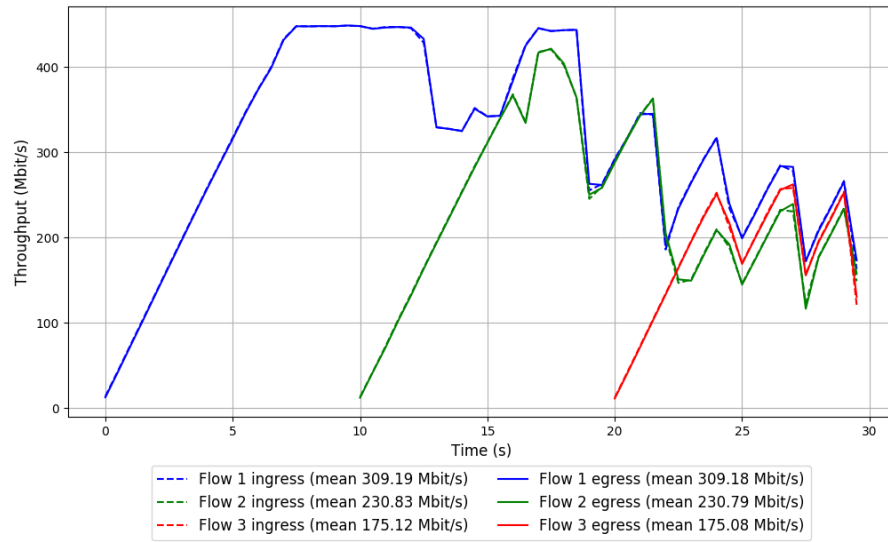


Run 10: Statistics of LEDBAT

Start at: 2017-12-12 02:39:02
End at: 2017-12-12 02:39:32
Local clock offset: 0.089 ms
Remote clock offset: -1.174 ms

Below is generated by plot.py at 2017-12-12 05:06:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 520.88 Mbit/s
95th percentile per-packet one-way delay: 19.317 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 309.18 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 230.79 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 175.08 Mbit/s
95th percentile per-packet one-way delay: 19.322 ms
Loss rate: 0.03%

Run 10: Report of LEDBAT — Data Link

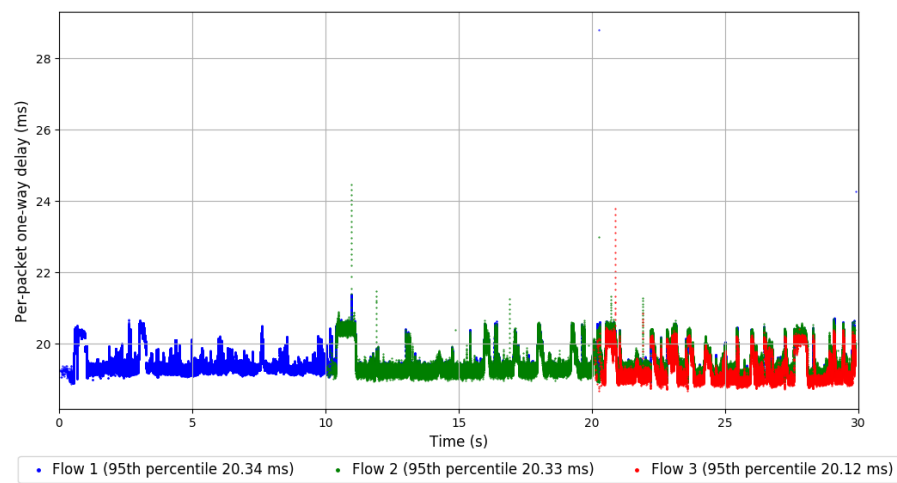
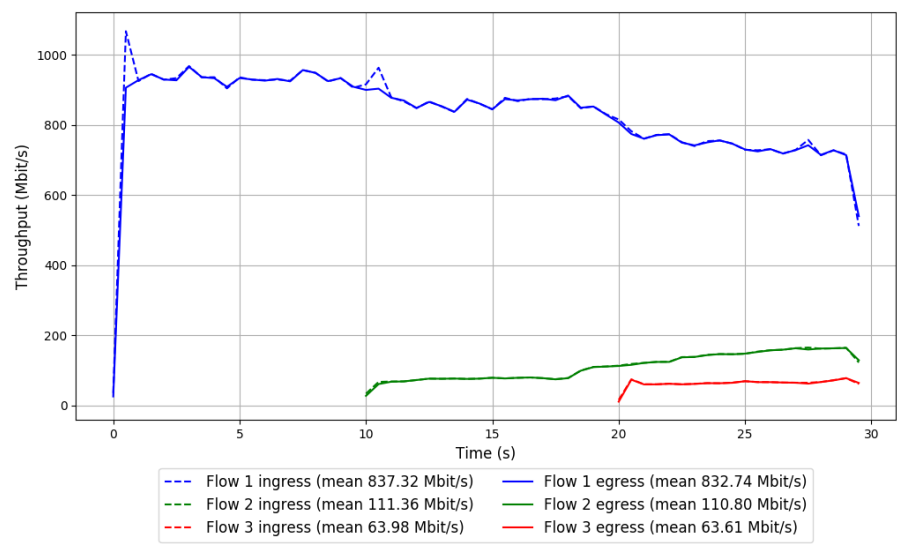


Run 1: Statistics of PCC

Start at: 2017-12-11 23:34:07
End at: 2017-12-11 23:34:37
Local clock offset: 0.143 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2017-12-12 05:14:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 927.31 Mbit/s
95th percentile per-packet one-way delay: 20.335 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 832.74 Mbit/s
95th percentile per-packet one-way delay: 20.341 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 110.80 Mbit/s
95th percentile per-packet one-way delay: 20.331 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 63.61 Mbit/s
95th percentile per-packet one-way delay: 20.117 ms
Loss rate: 0.63%

Run 1: Report of PCC — Data Link

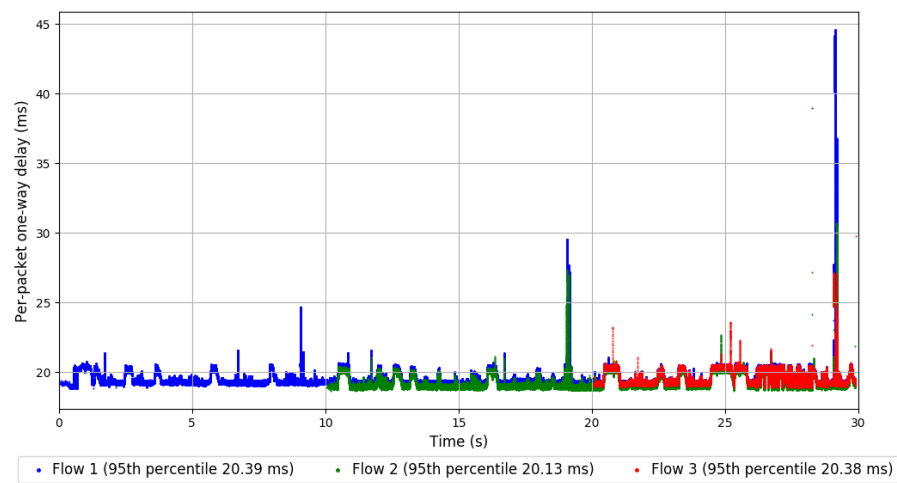
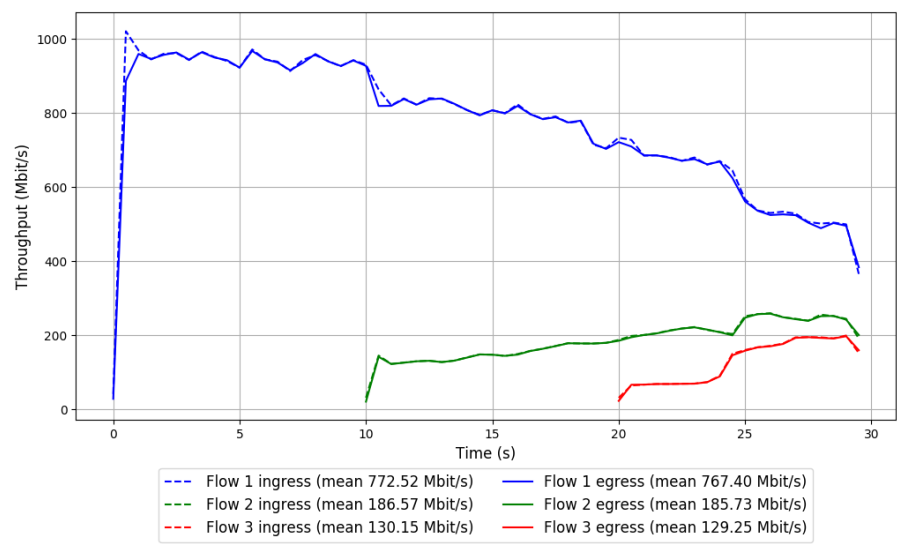


Run 2: Statistics of PCC

Start at: 2017-12-11 23:54:13
End at: 2017-12-11 23:54:43
Local clock offset: 0.413 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2017-12-12 05:15:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 933.18 Mbit/s
95th percentile per-packet one-way delay: 20.386 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 767.40 Mbit/s
95th percentile per-packet one-way delay: 20.394 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 185.73 Mbit/s
95th percentile per-packet one-way delay: 20.133 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 129.25 Mbit/s
95th percentile per-packet one-way delay: 20.378 ms
Loss rate: 0.58%

Run 2: Report of PCC — Data Link

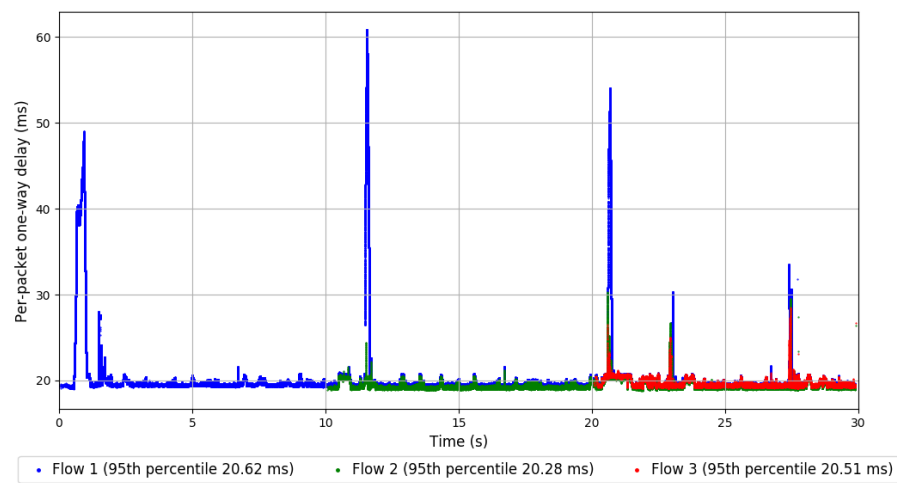
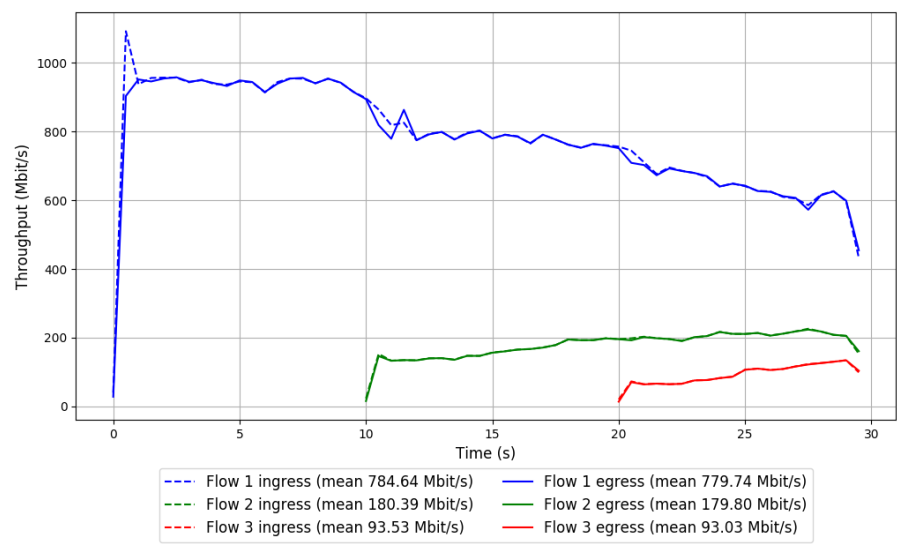


Run 3: Statistics of PCC

Start at: 2017-12-12 00:14:20
End at: 2017-12-12 00:14:50
Local clock offset: 0.3 ms
Remote clock offset: -0.535 ms

Below is generated by plot.py at 2017-12-12 05:15:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 929.58 Mbit/s
95th percentile per-packet one-way delay: 20.599 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 779.74 Mbit/s
95th percentile per-packet one-way delay: 20.624 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 179.80 Mbit/s
95th percentile per-packet one-way delay: 20.276 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 93.03 Mbit/s
95th percentile per-packet one-way delay: 20.510 ms
Loss rate: 0.48%

Run 3: Report of PCC — Data Link

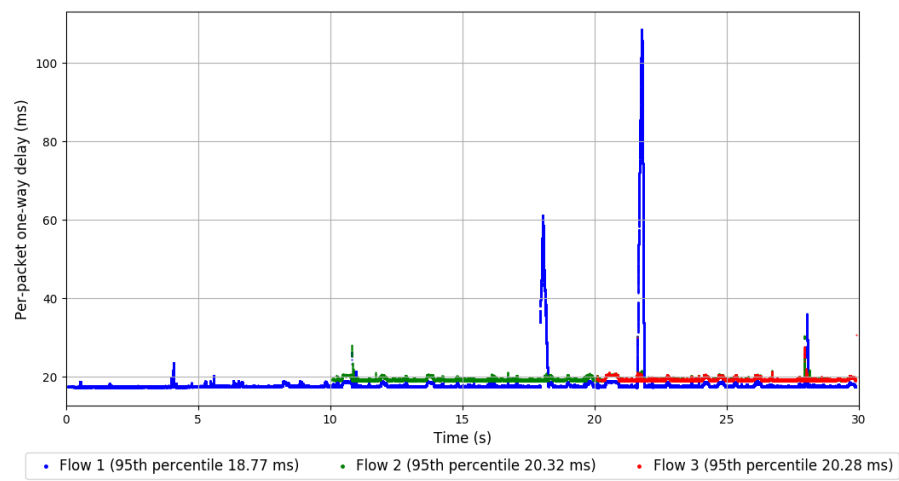
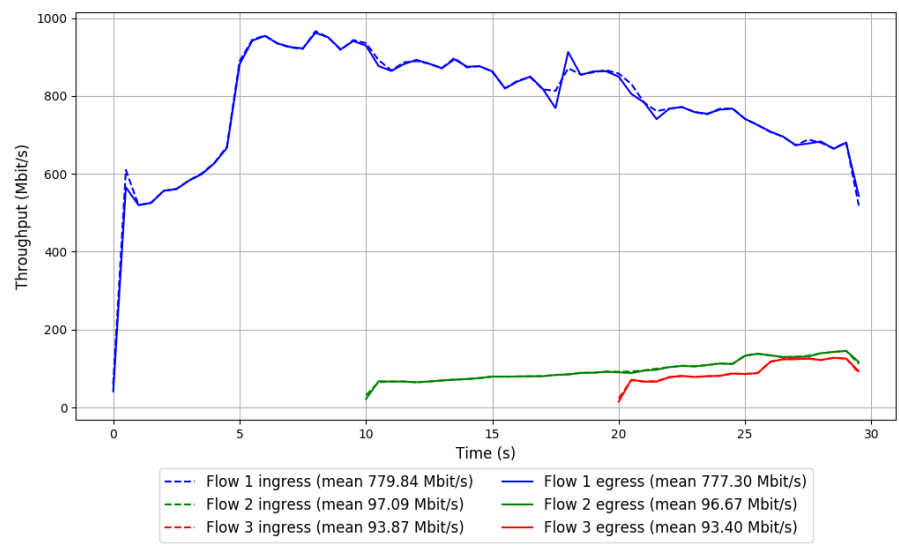


Run 4: Statistics of PCC

Start at: 2017-12-12 00:34:34
End at: 2017-12-12 00:35:04
Local clock offset: 0.14 ms
Remote clock offset: -0.843 ms

Below is generated by plot.py at 2017-12-12 05:15:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 871.97 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 777.30 Mbit/s
95th percentile per-packet one-way delay: 18.774 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 20.324 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 20.284 ms
Loss rate: 0.41%

Run 4: Report of PCC — Data Link

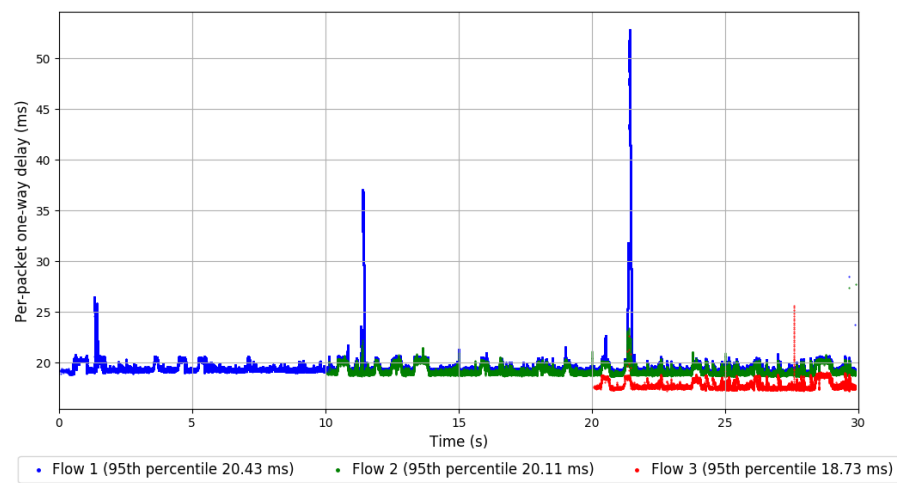
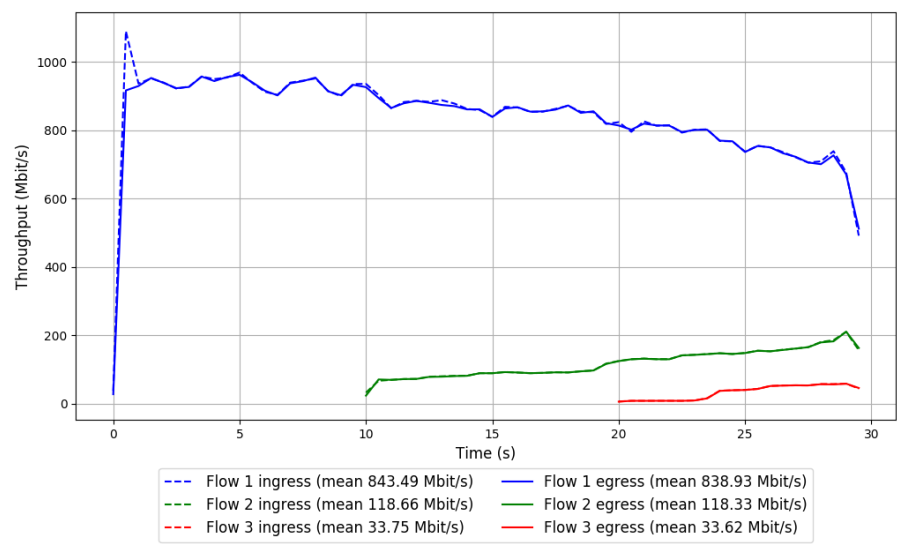


Run 5: Statistics of PCC

Start at: 2017-12-12 00:54:40
End at: 2017-12-12 00:55:10
Local clock offset: 0.216 ms
Remote clock offset: -0.968 ms

Below is generated by plot.py at 2017-12-12 05:17:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 928.53 Mbit/s
95th percentile per-packet one-way delay: 20.422 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 838.93 Mbit/s
95th percentile per-packet one-way delay: 20.432 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 118.33 Mbit/s
95th percentile per-packet one-way delay: 20.115 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 18.727 ms
Loss rate: 0.38%

Run 5: Report of PCC — Data Link

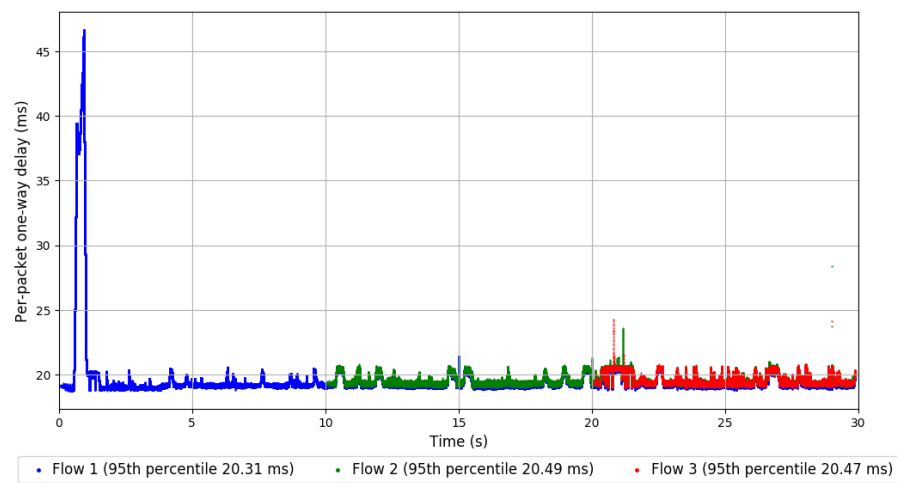
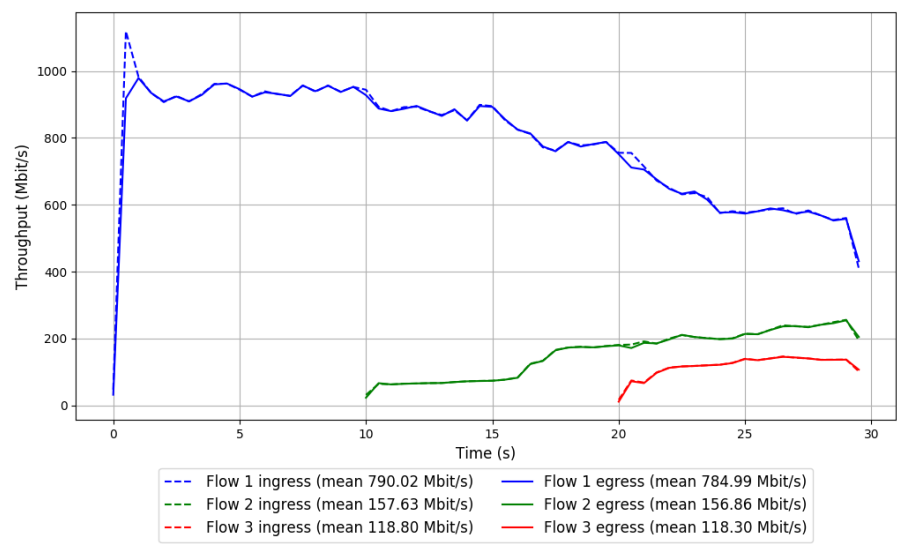


Run 6: Statistics of PCC

Start at: 2017-12-12 01:14:51
End at: 2017-12-12 01:15:21
Local clock offset: -0.041 ms
Remote clock offset: -1.185 ms

Below is generated by plot.py at 2017-12-12 05:17:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 928.16 Mbit/s
95th percentile per-packet one-way delay: 20.336 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 784.99 Mbit/s
95th percentile per-packet one-way delay: 20.308 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 156.86 Mbit/s
95th percentile per-packet one-way delay: 20.494 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 118.30 Mbit/s
95th percentile per-packet one-way delay: 20.469 ms
Loss rate: 0.41%

Run 6: Report of PCC — Data Link

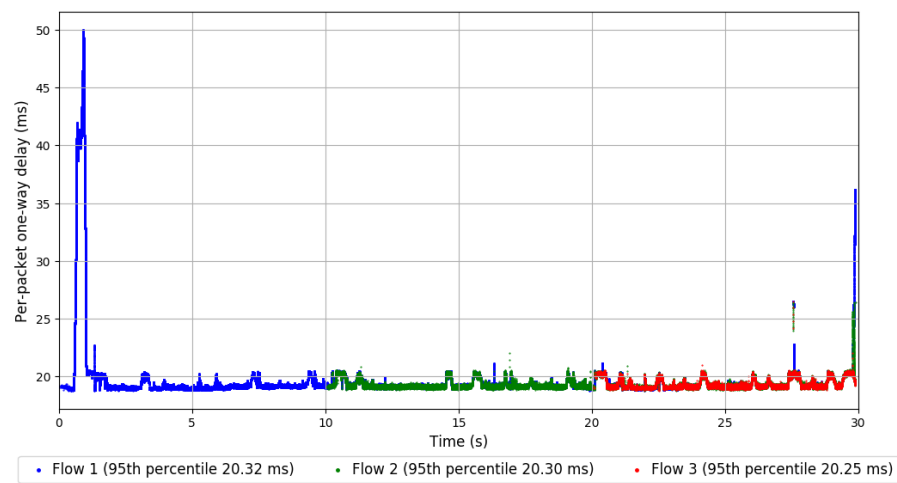
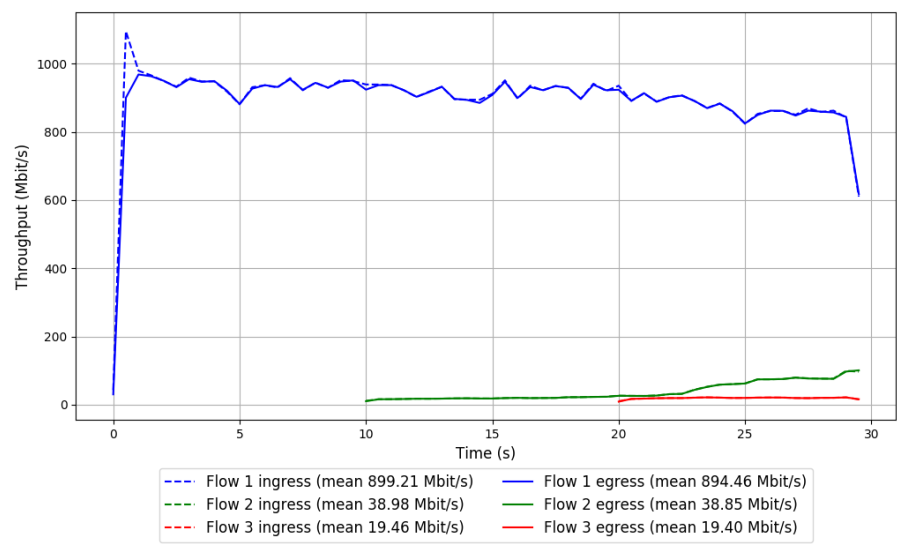


Run 7: Statistics of PCC

Start at: 2017-12-12 01:35:07
End at: 2017-12-12 01:35:38
Local clock offset: -0.218 ms
Remote clock offset: -1.183 ms

Below is generated by plot.py at 2017-12-12 05:18:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 926.46 Mbit/s
95th percentile per-packet one-way delay: 20.315 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 894.46 Mbit/s
95th percentile per-packet one-way delay: 20.316 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 20.304 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 20.255 ms
Loss rate: 0.30%

Run 7: Report of PCC — Data Link

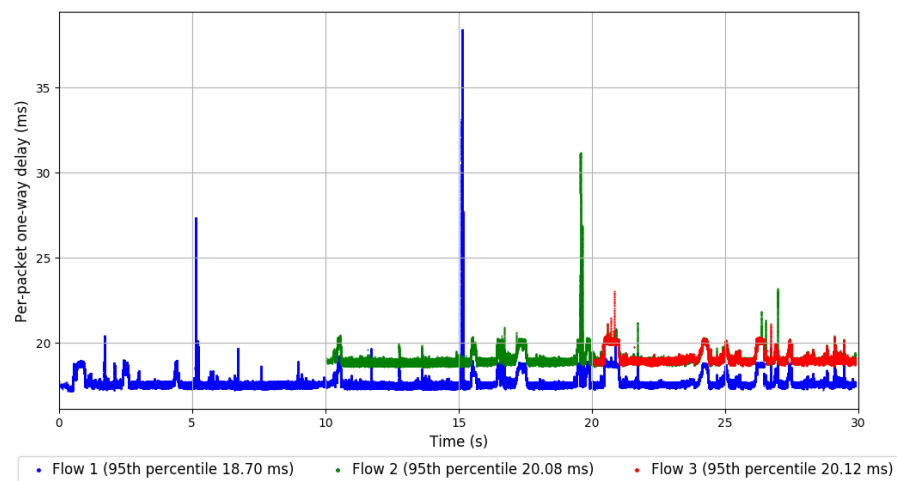
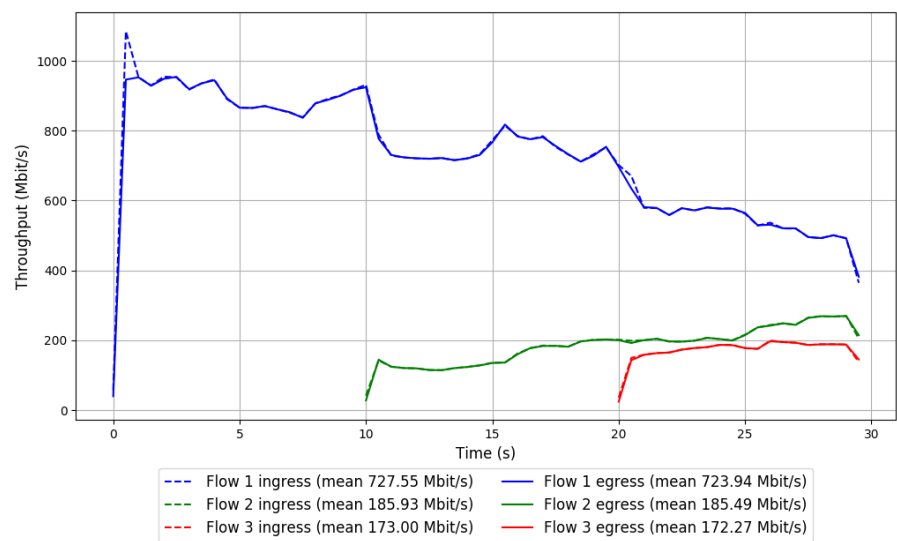


Run 8: Statistics of PCC

Start at: 2017-12-12 01:55:15
End at: 2017-12-12 01:55:45
Local clock offset: -0.726 ms
Remote clock offset: -1.045 ms

Below is generated by plot.py at 2017-12-12 05:19:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 904.04 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 723.94 Mbit/s
95th percentile per-packet one-way delay: 18.704 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 185.49 Mbit/s
95th percentile per-packet one-way delay: 20.080 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 172.27 Mbit/s
95th percentile per-packet one-way delay: 20.116 ms
Loss rate: 0.43%

Run 8: Report of PCC — Data Link

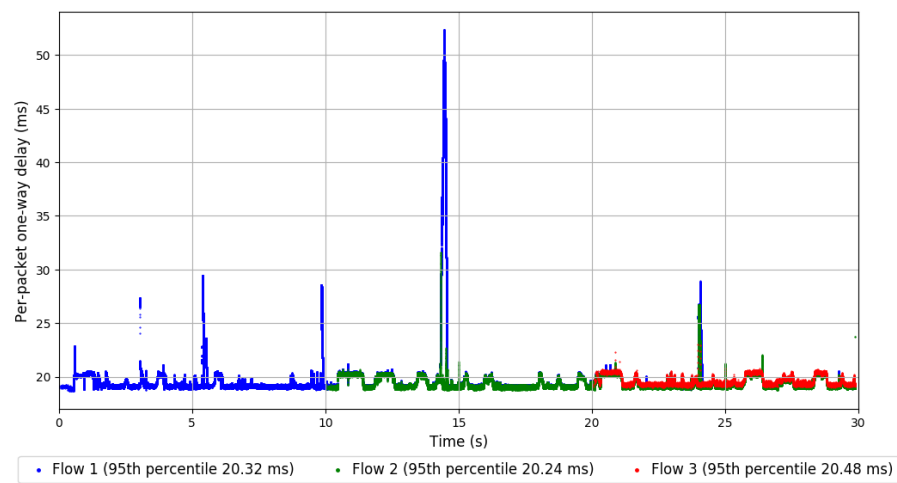
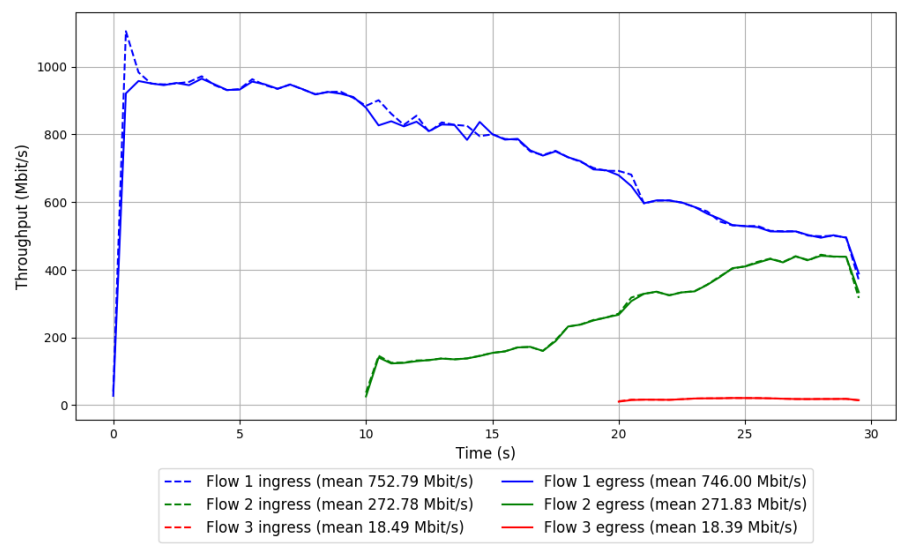


Run 9: Statistics of PCC

Start at: 2017-12-12 02:15:26
End at: 2017-12-12 02:15:56
Local clock offset: -0.321 ms
Remote clock offset: -0.901 ms

Below is generated by plot.py at 2017-12-12 05:27:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 932.68 Mbit/s
95th percentile per-packet one-way delay: 20.310 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 746.00 Mbit/s
95th percentile per-packet one-way delay: 20.320 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 271.83 Mbit/s
95th percentile per-packet one-way delay: 20.240 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 20.475 ms
Loss rate: 0.57%

Run 9: Report of PCC — Data Link

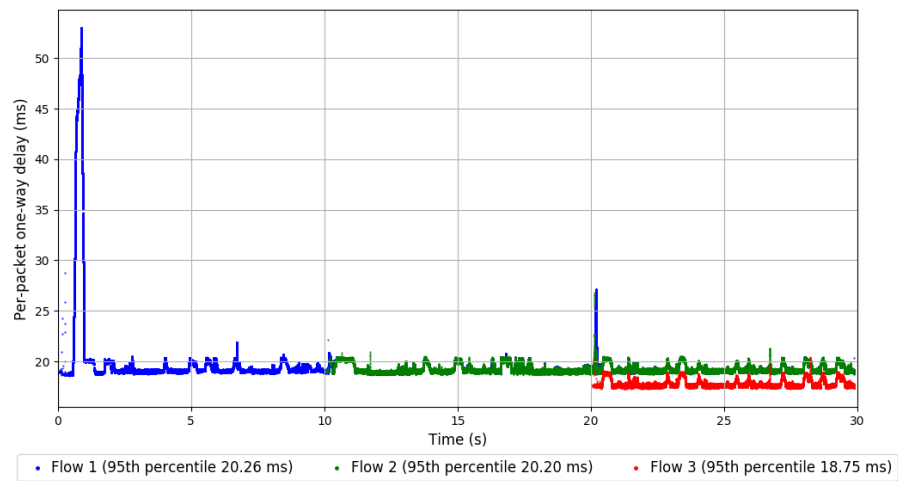
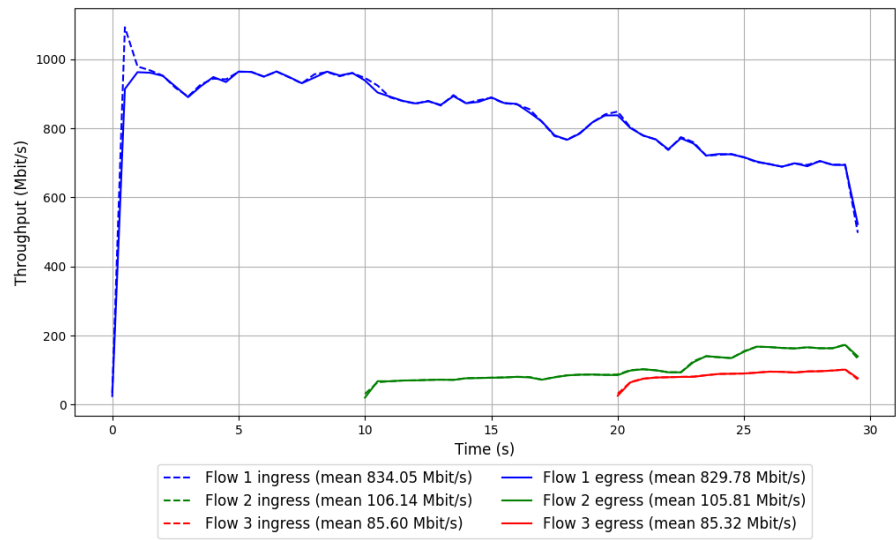


Run 10: Statistics of PCC

Start at: 2017-12-12 02:35:50
End at: 2017-12-12 02:36:20
Local clock offset: 0.094 ms
Remote clock offset: -1.056 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 928.24 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 829.78 Mbit/s
95th percentile per-packet one-way delay: 20.262 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 105.81 Mbit/s
95th percentile per-packet one-way delay: 20.205 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 18.745 ms
Loss rate: 0.32%

Run 10: Report of PCC — Data Link

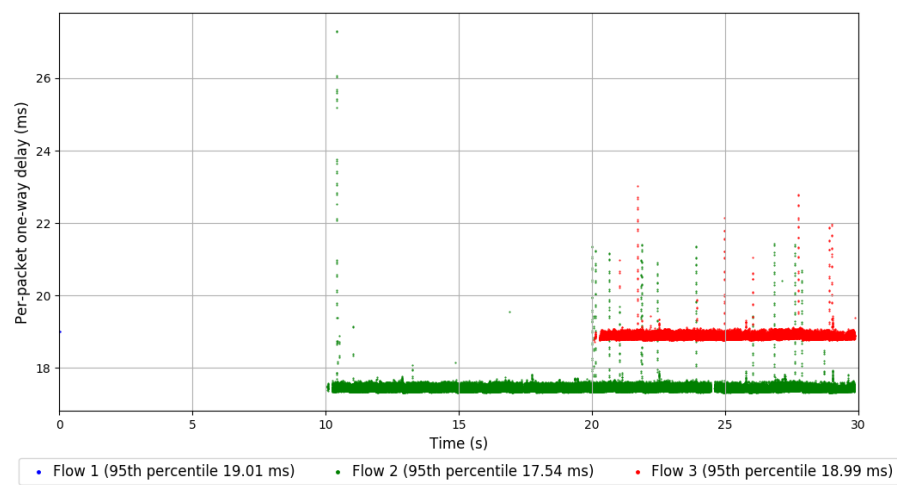
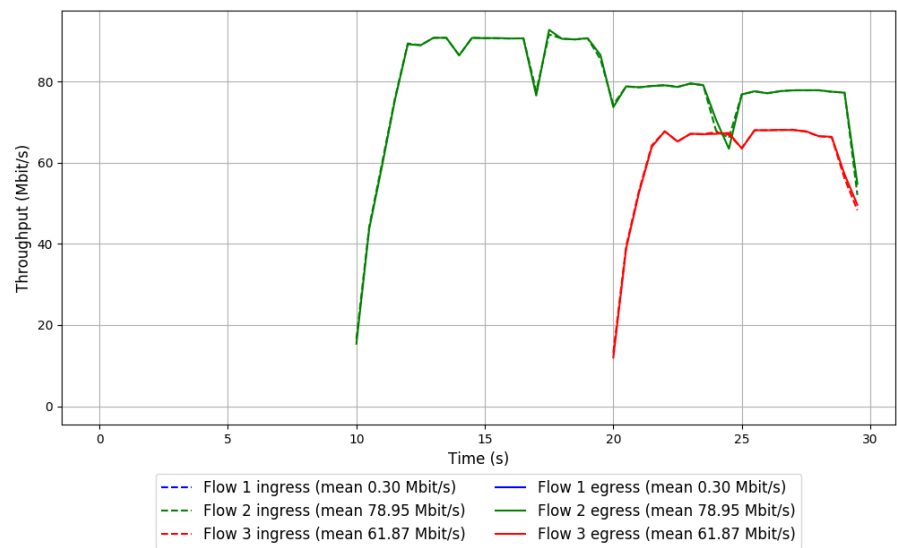


Run 1: Statistics of QUIC Cubic

Start at: 2017-12-11 23:28:21
End at: 2017-12-11 23:28:51
Local clock offset: 0.133 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.78 Mbit/s
95th percentile per-packet one-way delay: 18.923 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: 17.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 18.987 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

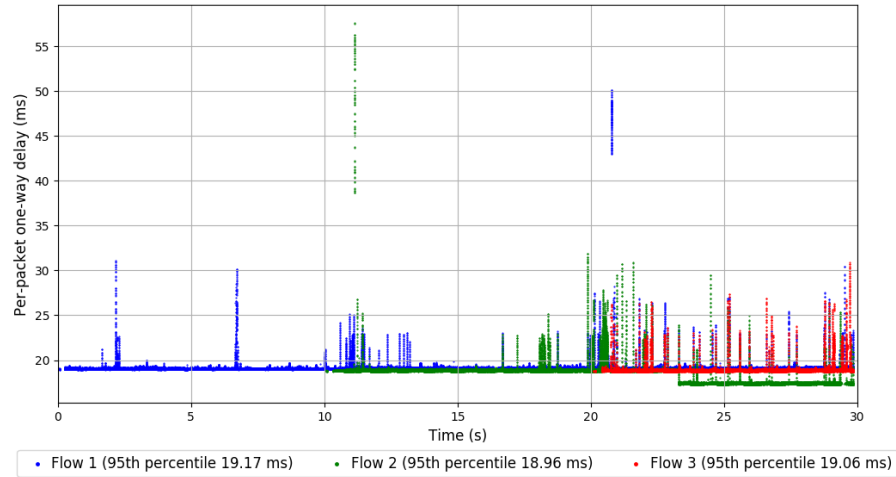
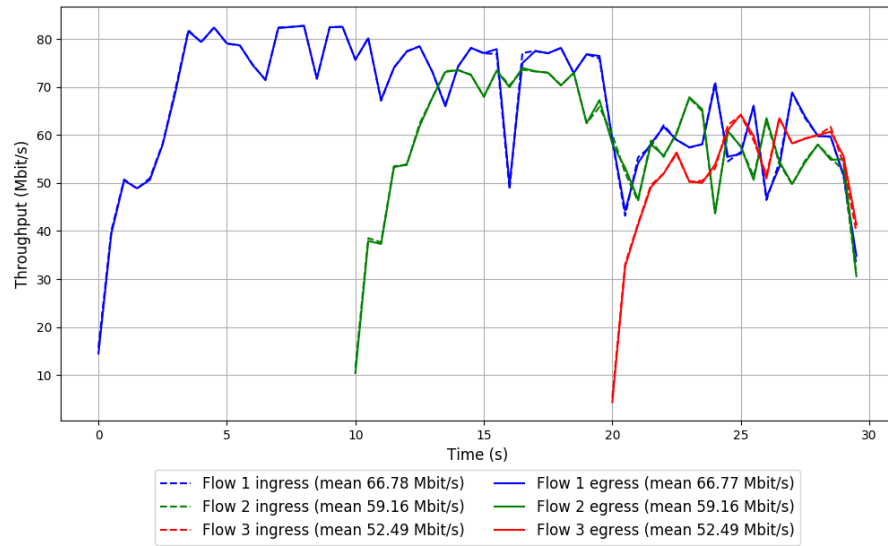


Run 2: Statistics of QUIC Cubic

Start at: 2017-12-11 23:48:26
End at: 2017-12-11 23:48:56
Local clock offset: 0.247 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.23 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.77 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 18.963 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

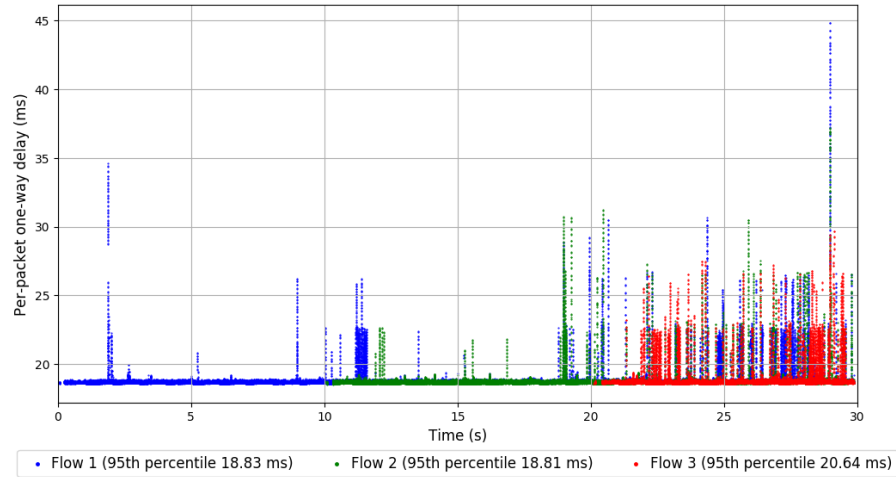
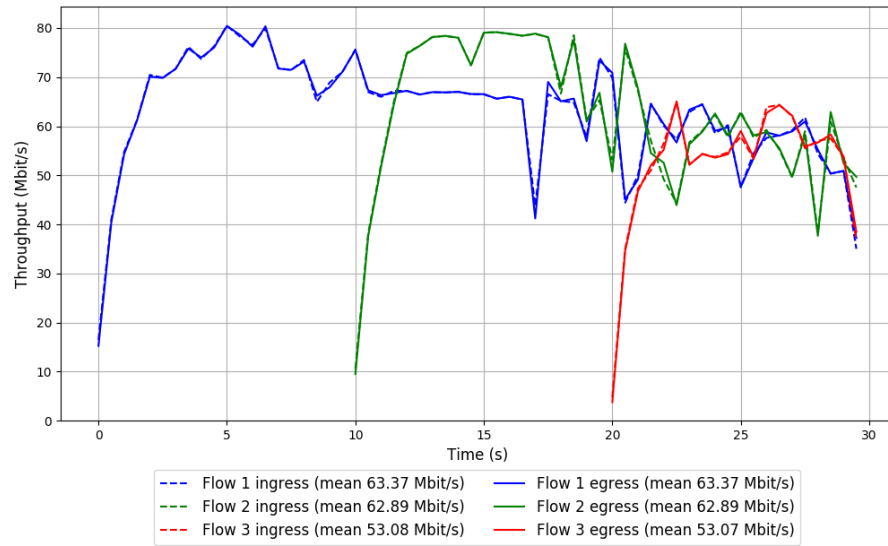


Run 3: Statistics of QUIC Cubic

Start at: 2017-12-12 00:08:28
End at: 2017-12-12 00:08:58
Local clock offset: 0.449 ms
Remote clock offset: -0.584 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.54 Mbit/s
95th percentile per-packet one-way delay: 18.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 18.834 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 18.807 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.07 Mbit/s
95th percentile per-packet one-way delay: 20.642 ms
Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link

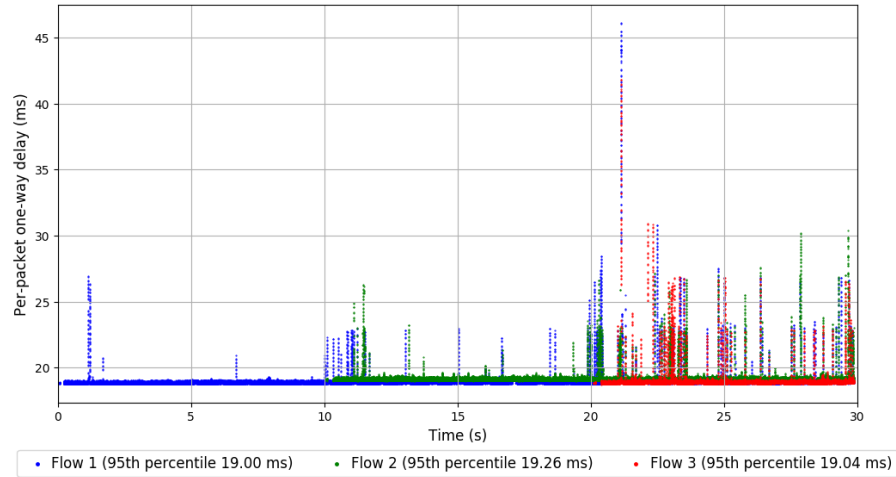
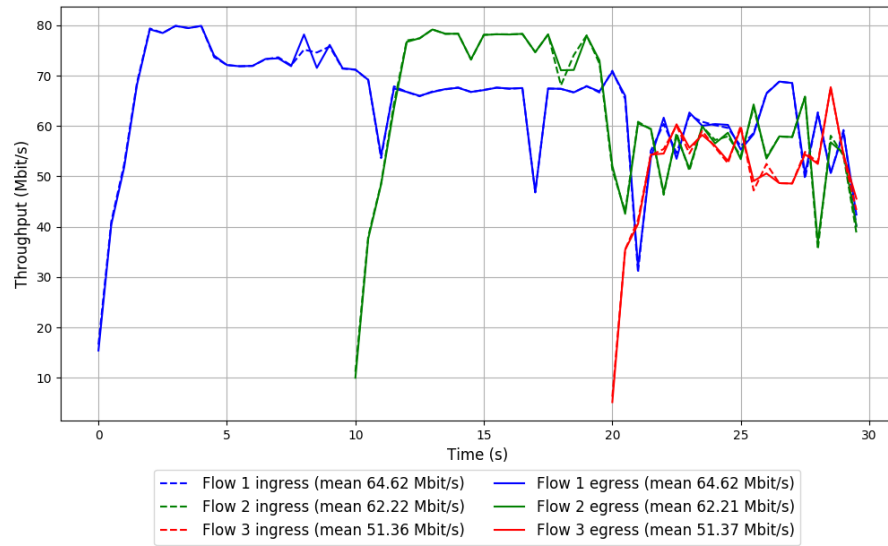


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-12 00:28:46
End at: 2017-12-12 00:29:16
Local clock offset: 0.16 ms
Remote clock offset: -0.664 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.78 Mbit/s
95th percentile per-packet one-way delay: 19.193 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.62 Mbit/s
95th percentile per-packet one-way delay: 18.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.21 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 19.038 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

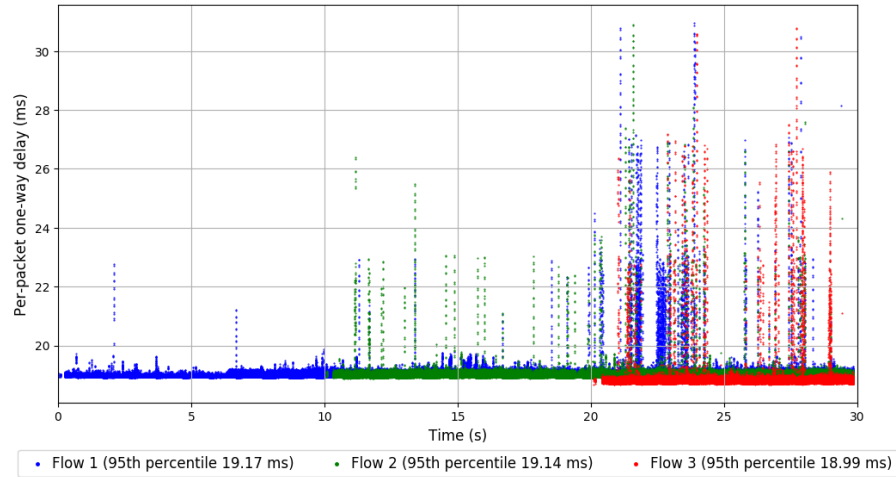
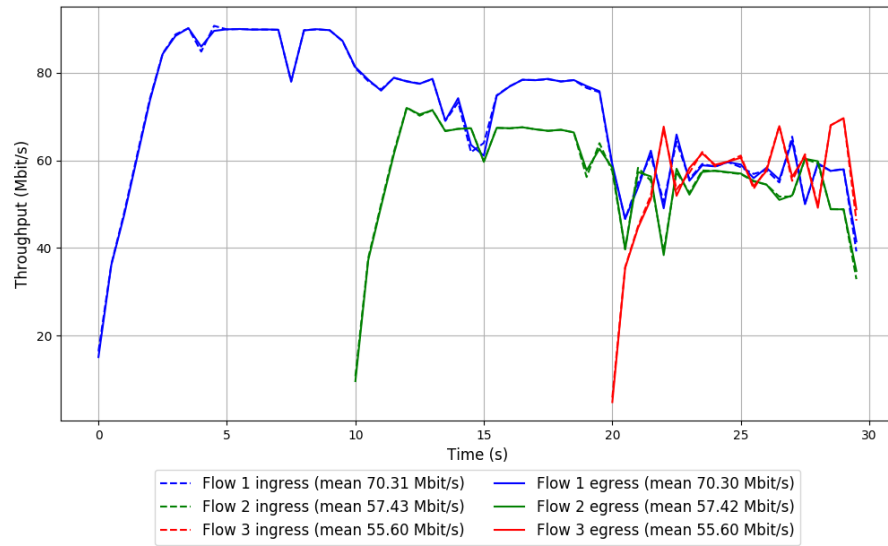


Run 5: Statistics of QUIC Cubic

Start at: 2017-12-12 00:48:51
End at: 2017-12-12 00:49:21
Local clock offset: 0.107 ms
Remote clock offset: -0.882 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.66 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.30 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 55.60 Mbit/s
95th percentile per-packet one-way delay: 18.993 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

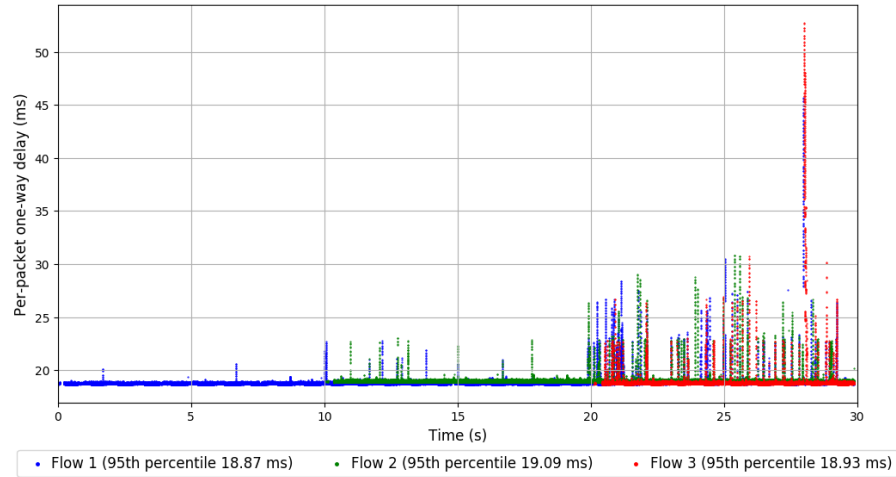
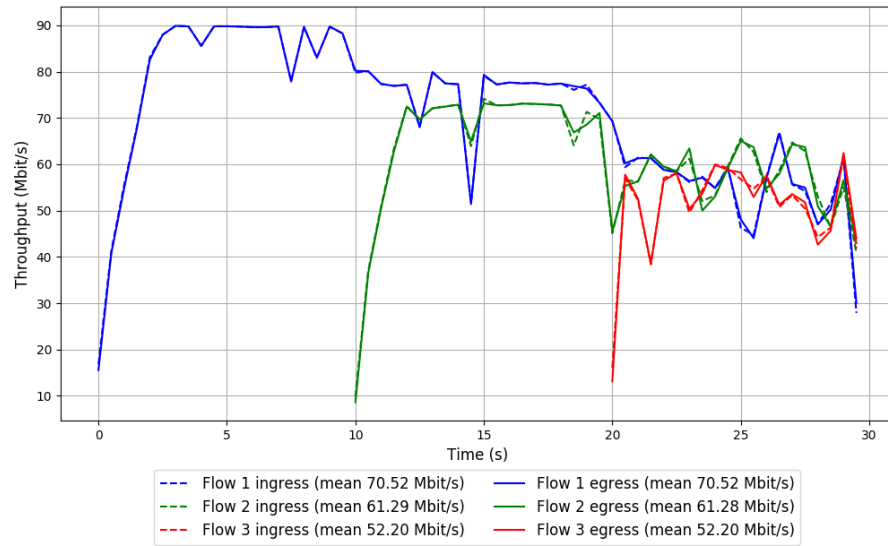


Run 6: Statistics of QUIC Cubic

Start at: 2017-12-12 01:08:59
End at: 2017-12-12 01:09:29
Local clock offset: 0.067 ms
Remote clock offset: -1.338 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.27 Mbit/s
95th percentile per-packet one-way delay: 19.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.52 Mbit/s
95th percentile per-packet one-way delay: 18.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 19.088 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.20 Mbit/s
95th percentile per-packet one-way delay: 18.926 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

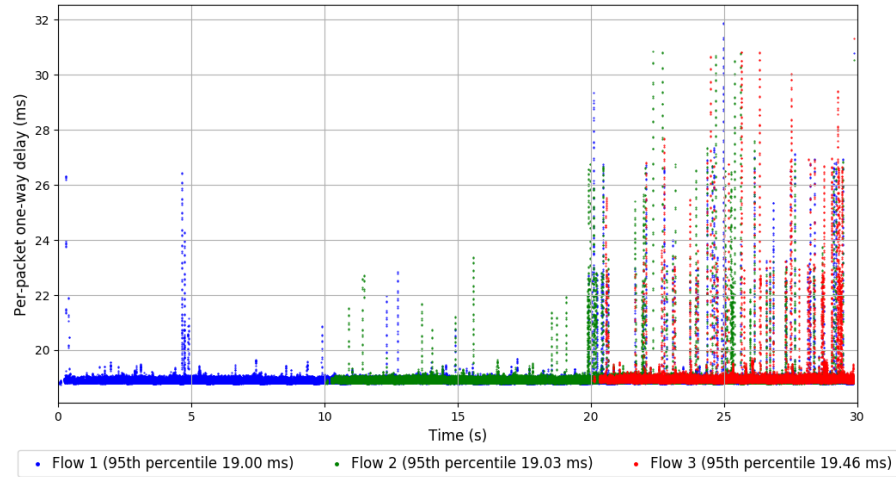
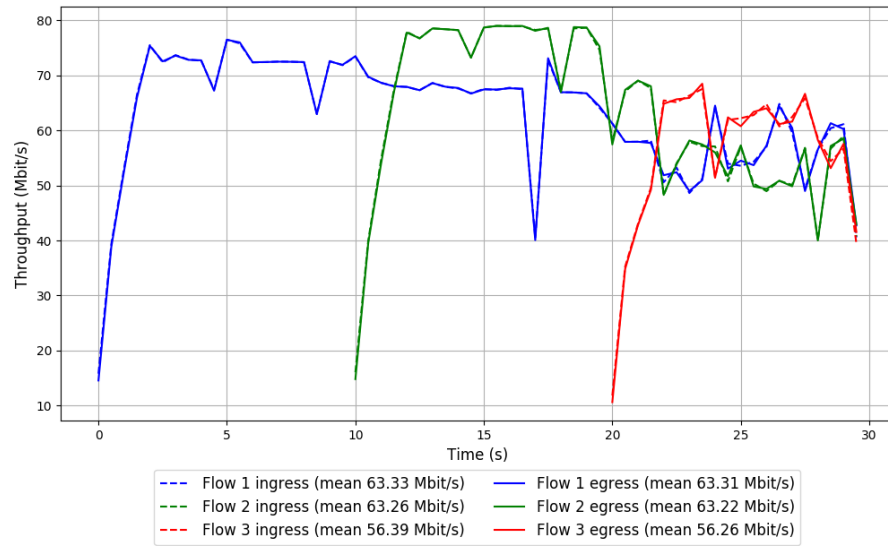


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-12 01:29:15
End at: 2017-12-12 01:29:45
Local clock offset: -0.183 ms
Remote clock offset: -1.222 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.84 Mbit/s
95th percentile per-packet one-way delay: 19.029 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 19.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.26 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.11%

Run 7: Report of QUIC Cubic — Data Link

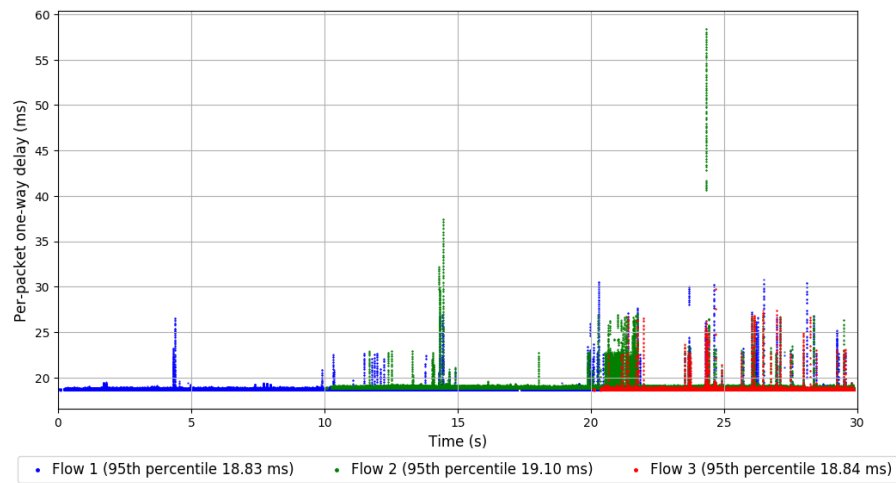
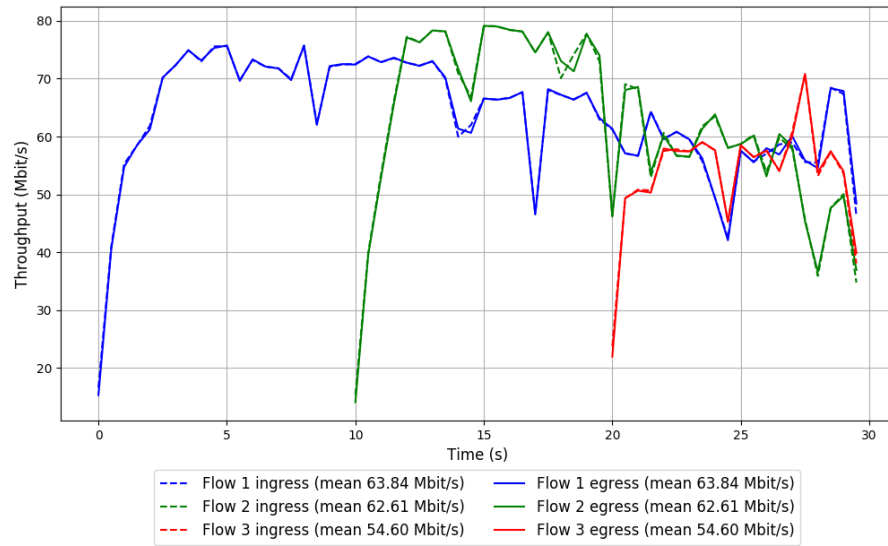


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-12 01:49:30
End at: 2017-12-12 01:50:00
Local clock offset: -0.515 ms
Remote clock offset: -1.047 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.37 Mbit/s
95th percentile per-packet one-way delay: 18.996 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 63.84 Mbit/s
95th percentile per-packet one-way delay: 18.826 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.61 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 18.841 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

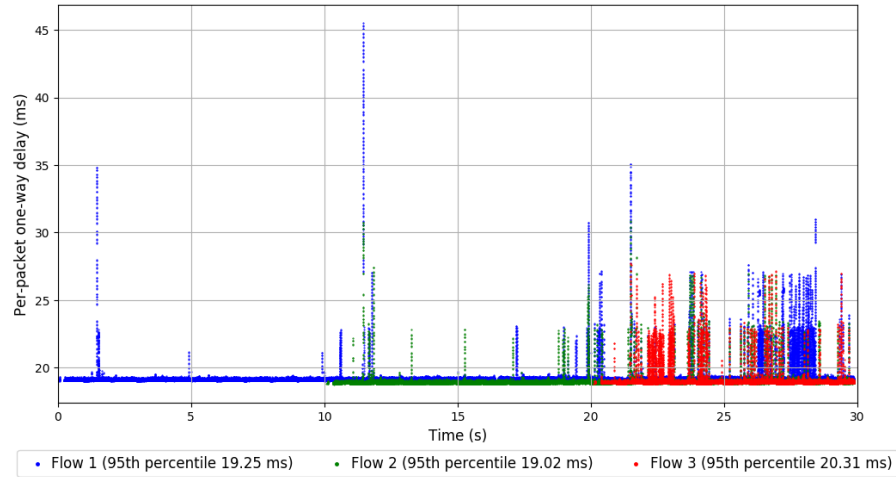
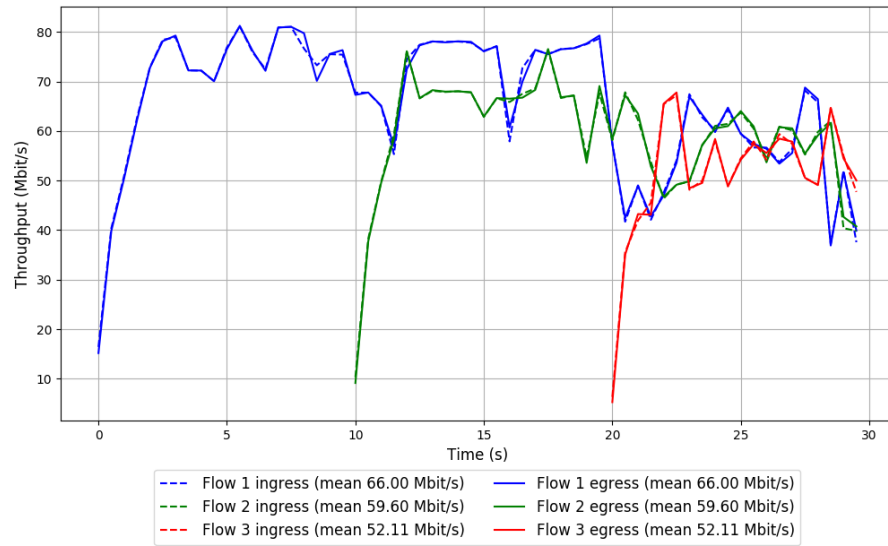


Run 9: Statistics of QUIC Cubic

Start at: 2017-12-12 02:09:33
End at: 2017-12-12 02:10:03
Local clock offset: -0.445 ms
Remote clock offset: -0.792 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.58 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.00 Mbit/s
95th percentile per-packet one-way delay: 19.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.11 Mbit/s
95th percentile per-packet one-way delay: 20.310 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

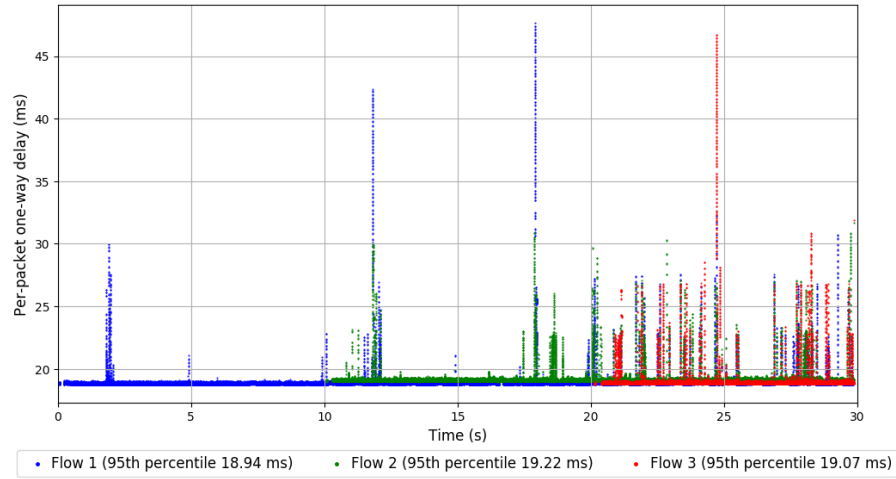
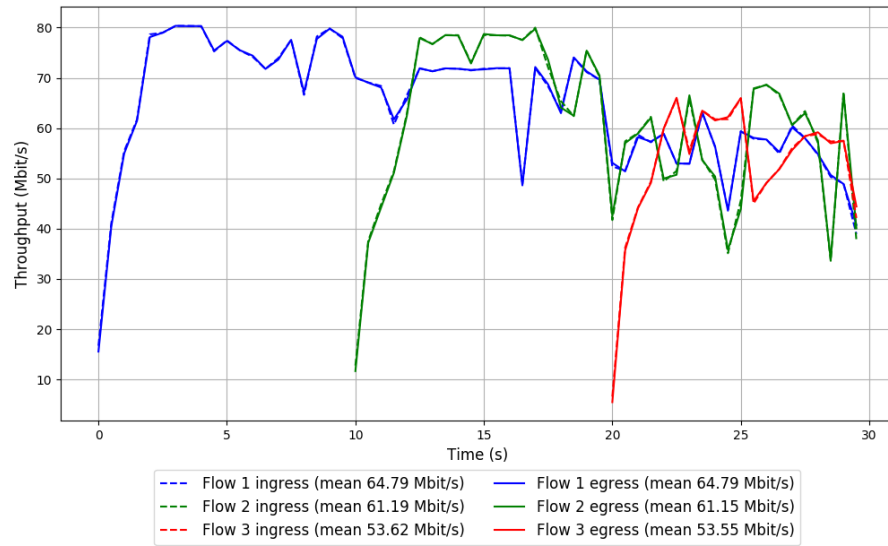


Run 10: Statistics of QUIC Cubic

Start at: 2017-12-12 02:29:53
End at: 2017-12-12 02:30:23
Local clock offset: -0.092 ms
Remote clock offset: -0.936 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.93 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 18.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.15 Mbit/s
95th percentile per-packet one-way delay: 19.222 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 19.072 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

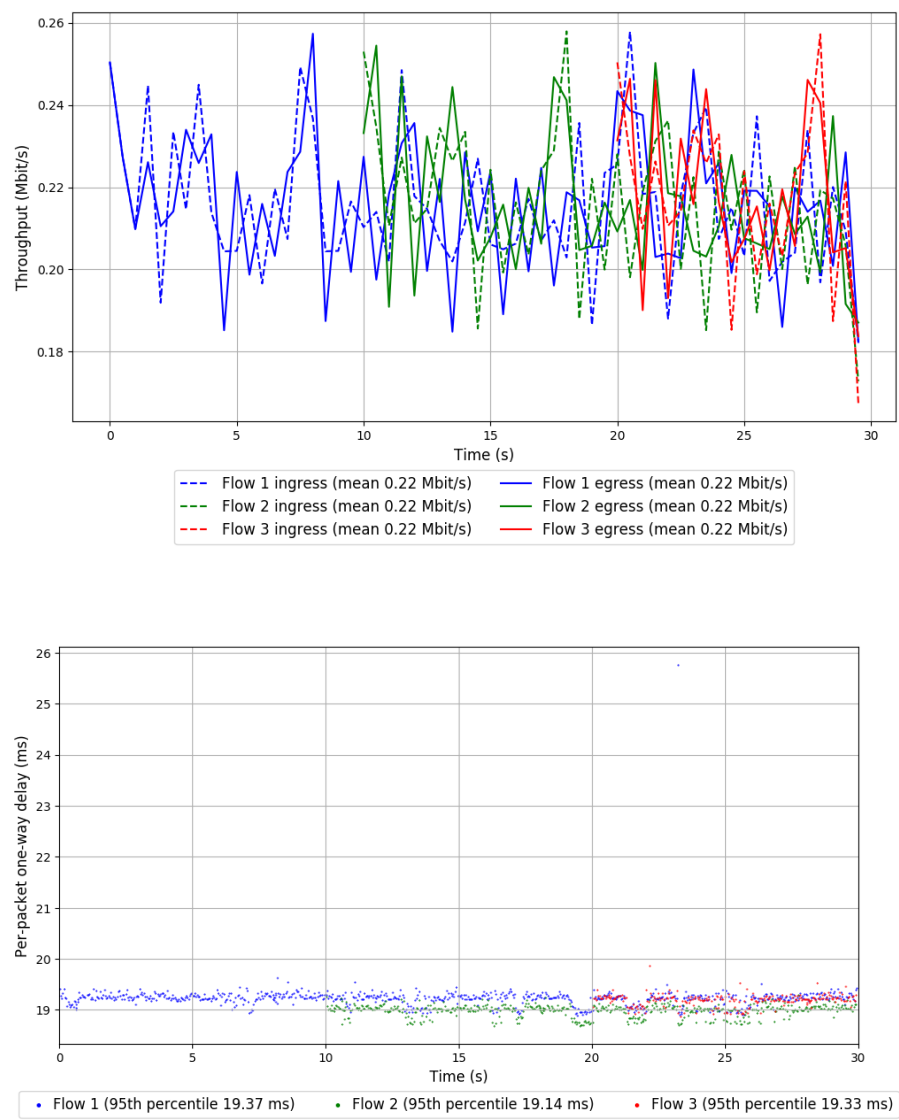


```
Run 1: Statistics of SReAM

Start at: 2017-12-11 23:26:00
End at: 2017-12-11 23:26:30
Local clock offset: 0.221 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2017-12-12 05:27:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.343 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.331 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

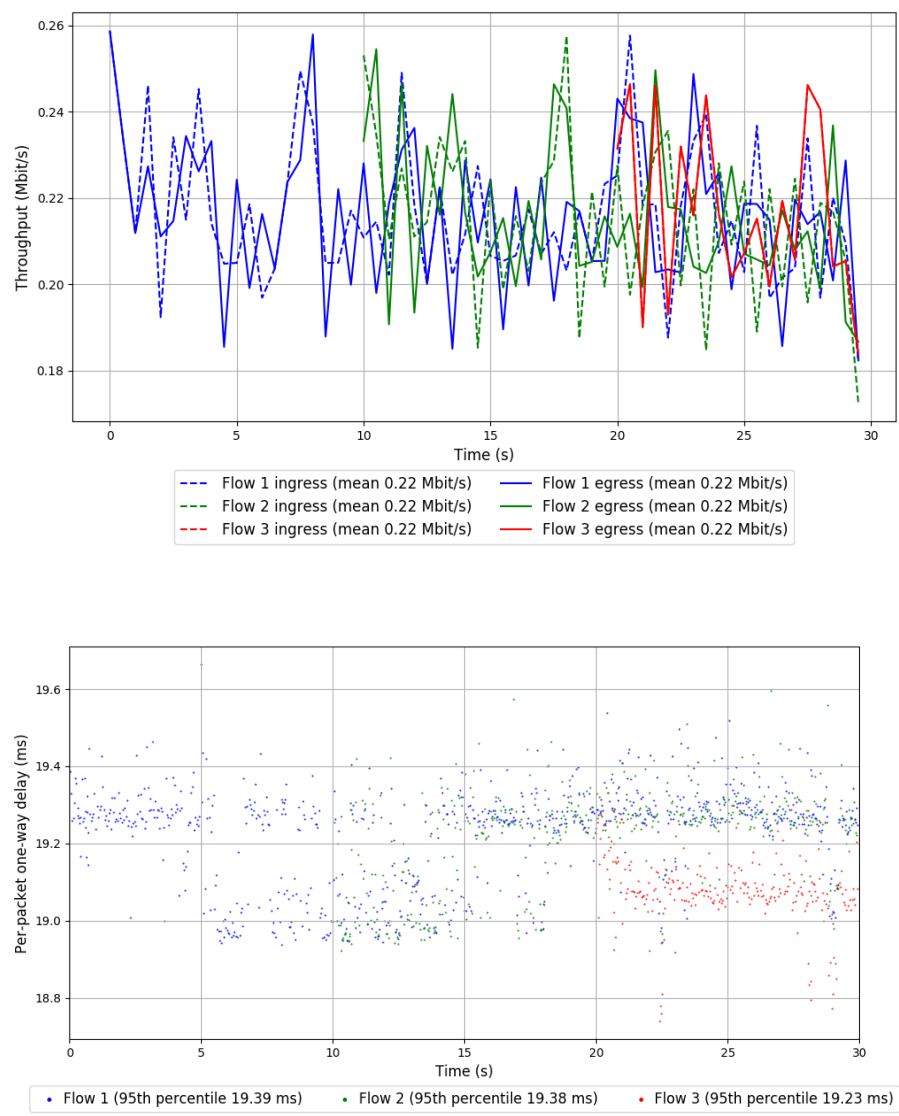


Run 2: Statistics of SReAM

Start at: 2017-12-11 23:46:04
End at: 2017-12-11 23:46:34
Local clock offset: 0.245 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2017-12-12 05:27:32
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: 19.390 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

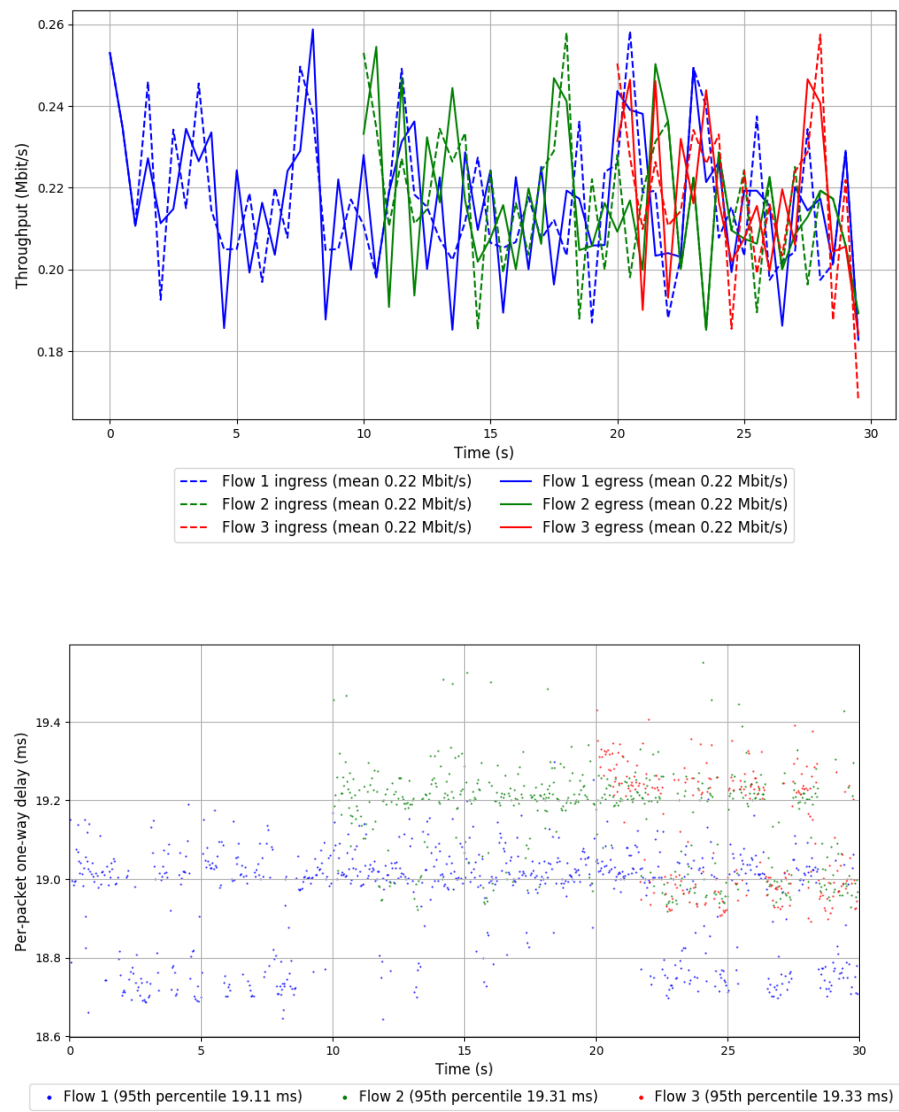


Run 3: Statistics of SReAM

Start at: 2017-12-12 00:06:06
End at: 2017-12-12 00:06:36
Local clock offset: 0.342 ms
Remote clock offset: -0.521 ms

Below is generated by plot.py at 2017-12-12 05:27:32
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: 19.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.329 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

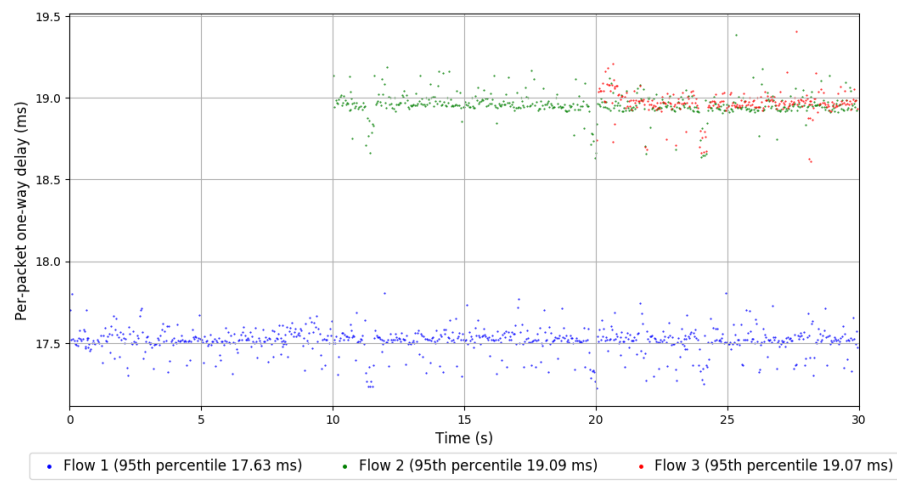
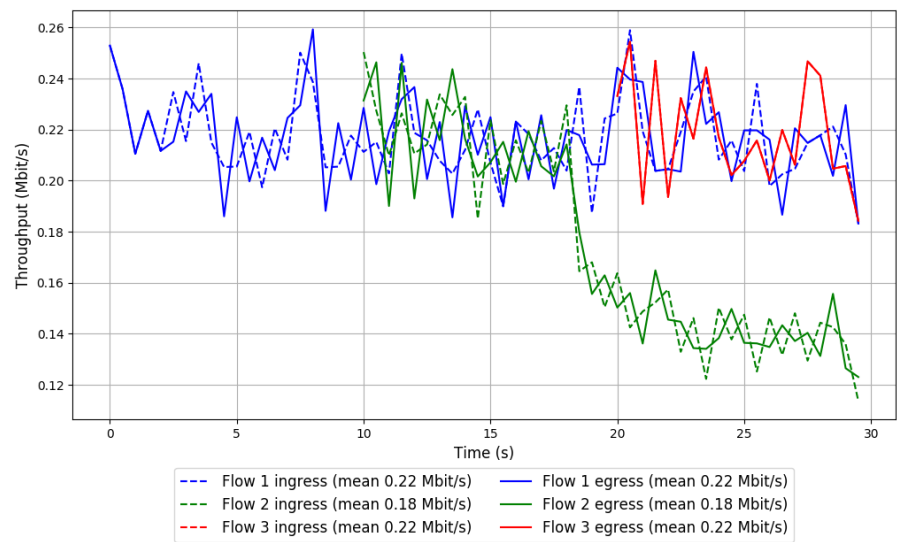


Run 4: Statistics of SCReAM

Start at: 2017-12-12 00:26:24
End at: 2017-12-12 00:26:54
Local clock offset: 0.27 ms
Remote clock offset: -0.703 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 19.085 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

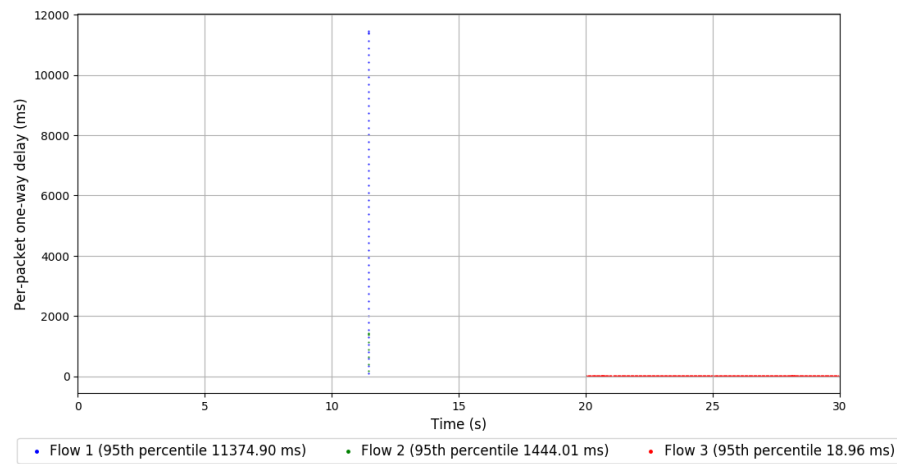
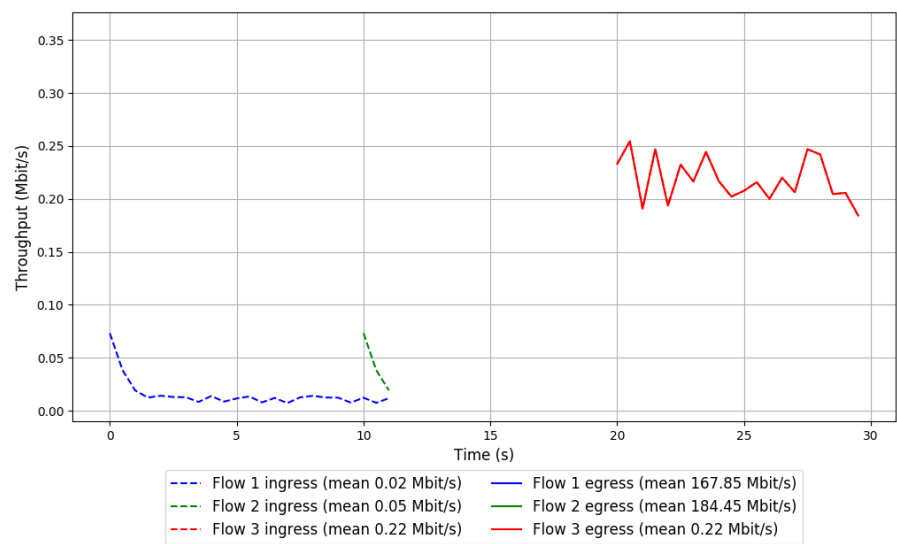
Start at: 2017-12-12 00:46:30

End at: 2017-12-12 00:47:00

Local clock offset: 0.215 ms

Remote clock offset: -0.803 ms

Run 5: Report of SReAM — Data Link

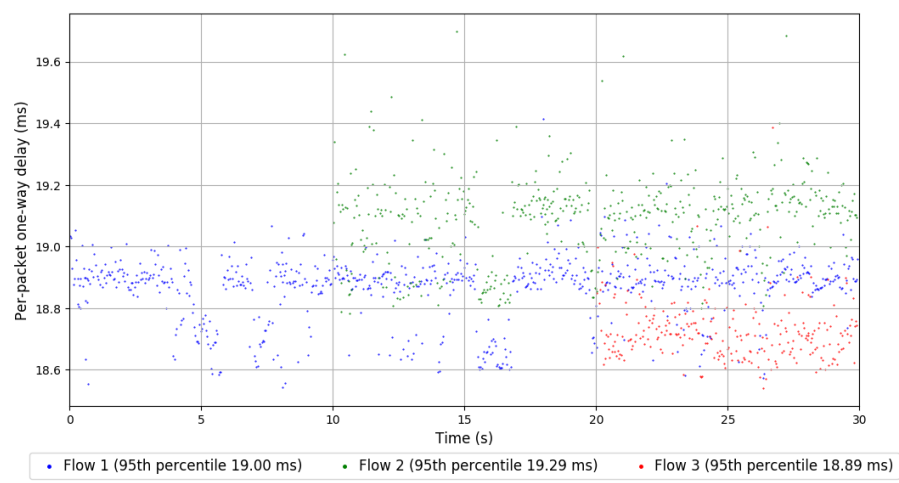
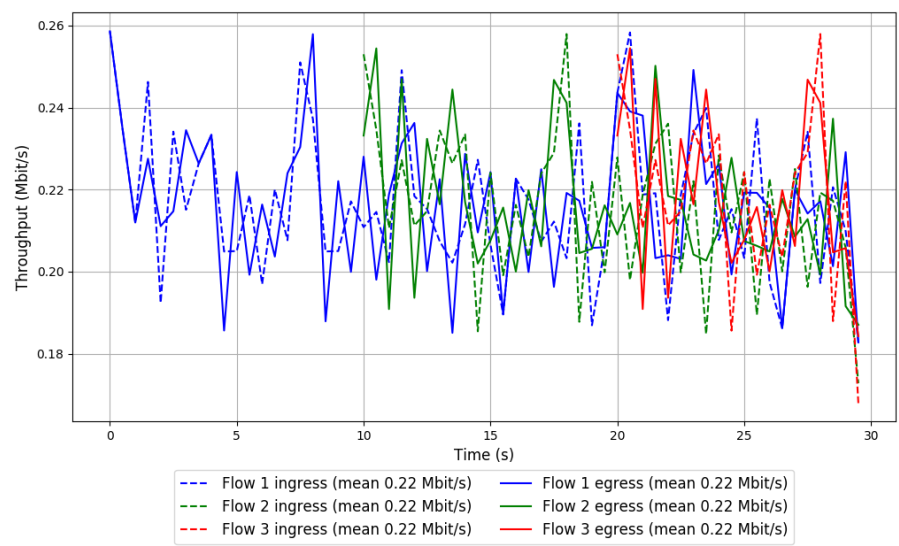


Run 6: Statistics of SReAM

Start at: 2017-12-12 01:06:38
End at: 2017-12-12 01:07:08
Local clock offset: 0.255 ms
Remote clock offset: -1.288 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.002 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

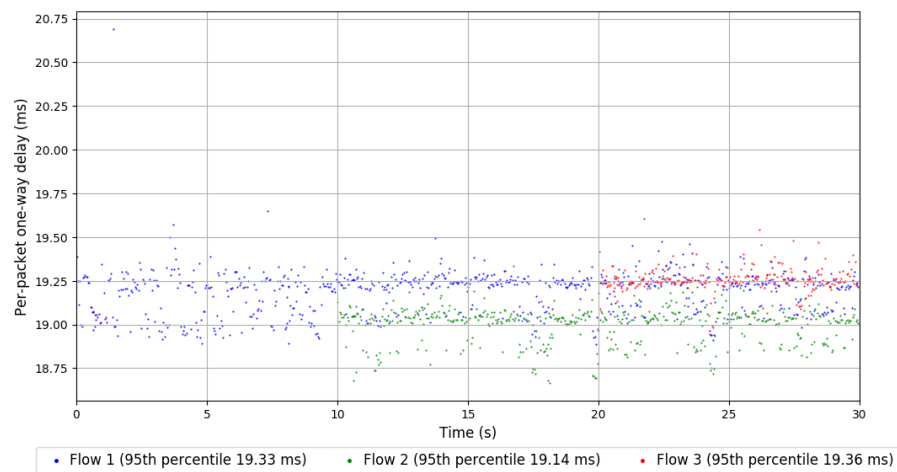
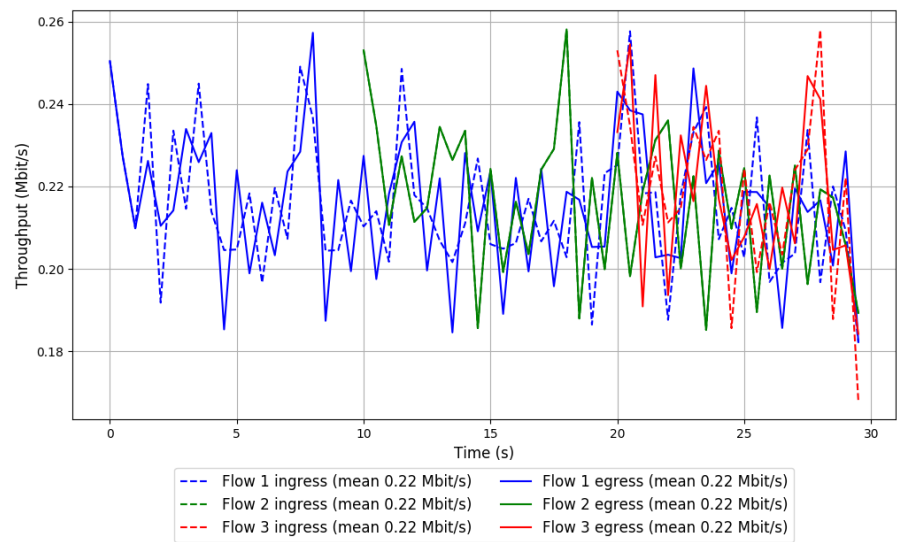


Run 7: Statistics of SReAM

Start at: 2017-12-12 01:26:53
End at: 2017-12-12 01:27:23
Local clock offset: -0.15 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.334 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.360 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

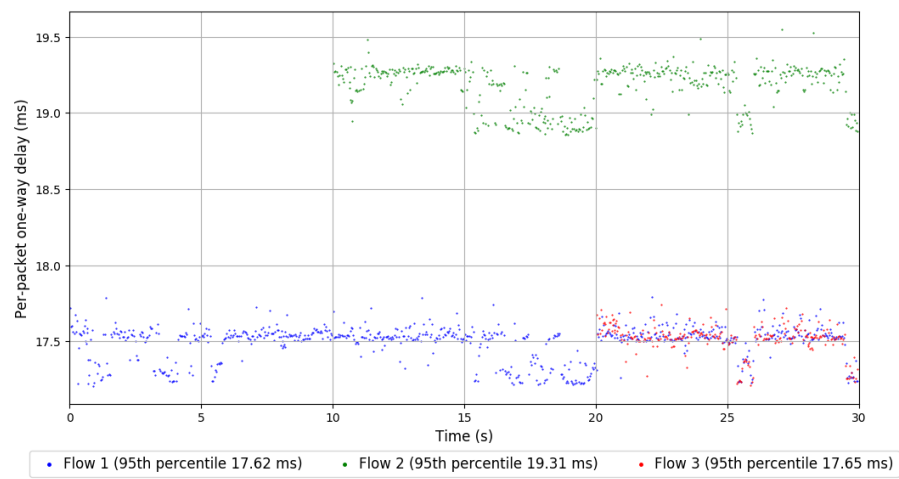
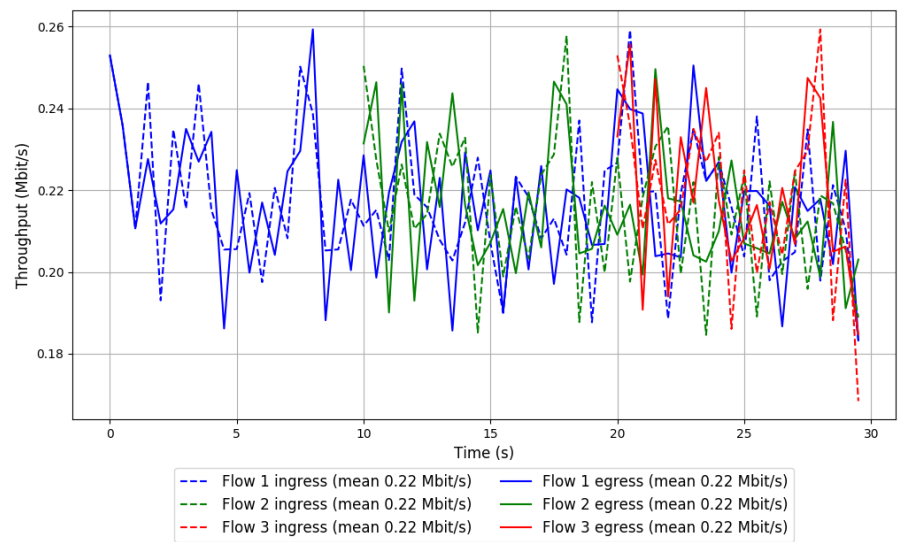


Run 8: Statistics of SReAM

Start at: 2017-12-12 01:47:09
End at: 2017-12-12 01:47:39
Local clock offset: -0.565 ms
Remote clock offset: -1.154 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.623 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.652 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

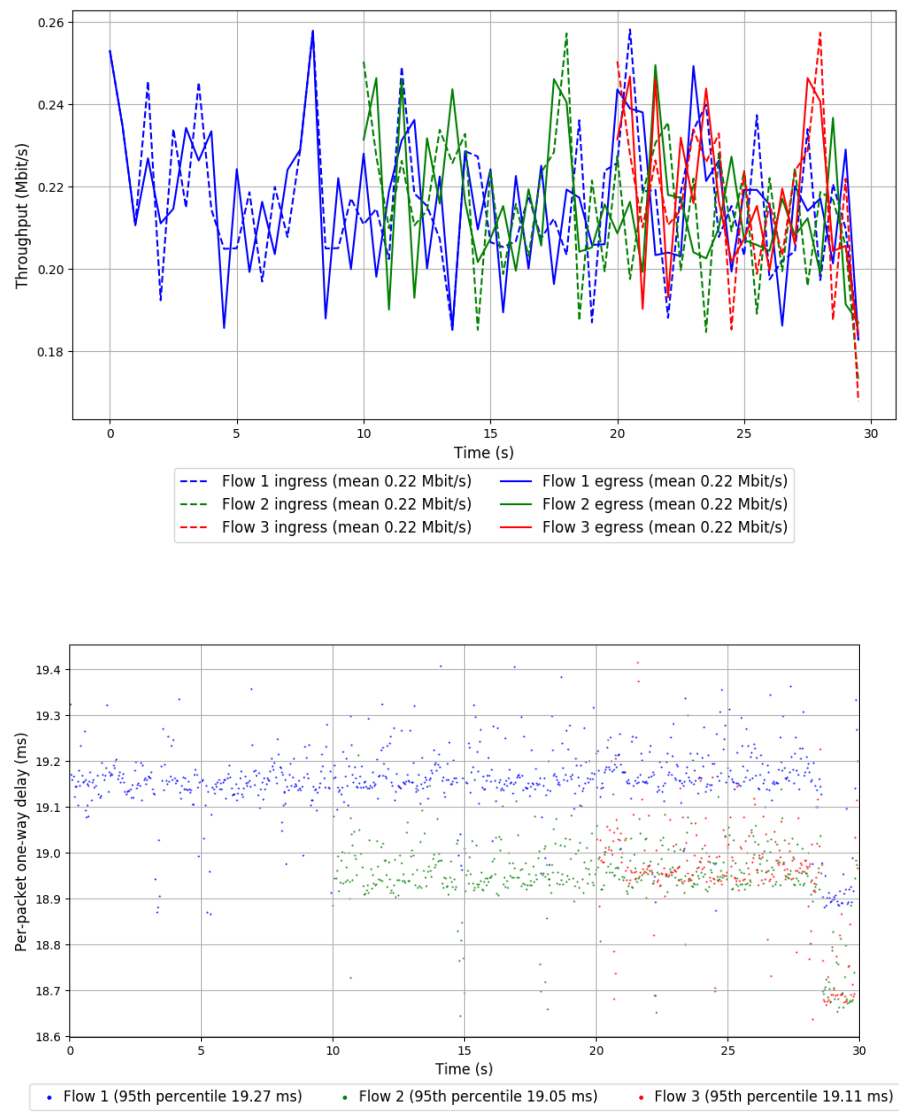


Run 9: Statistics of SReAM

Start at: 2017-12-12 02:07:12
End at: 2017-12-12 02:07:42
Local clock offset: -0.404 ms
Remote clock offset: -0.901 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.105 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

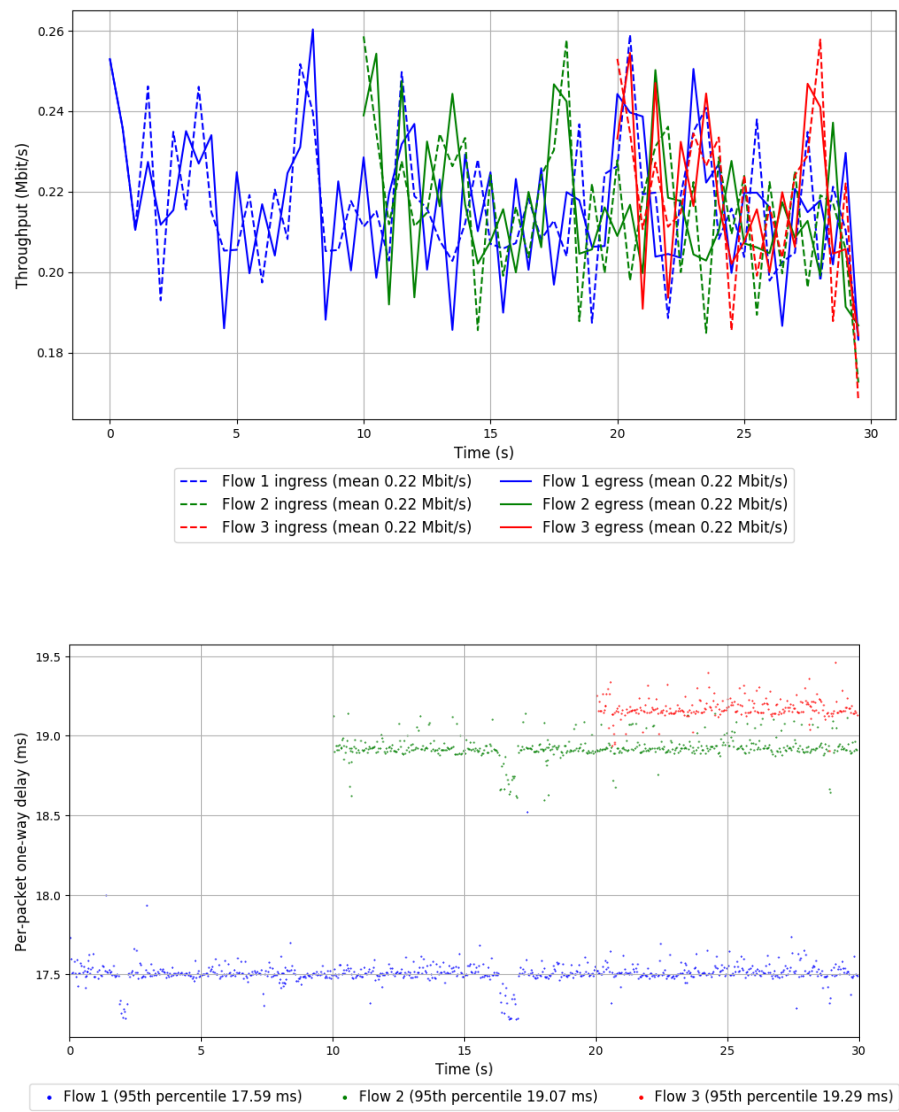


Run 10: Statistics of SReAM

Start at: 2017-12-12 02:27:32
End at: 2017-12-12 02:28:02
Local clock offset: -0.03 ms
Remote clock offset: -0.973 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.595 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.287 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-12-11 23:27:10

End at: 2017-12-11 23:27:40

Local clock offset: 0.203 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2017-12-12 05:27:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 20.927 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 20.432 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 21.287 ms

Loss rate: 0.00%

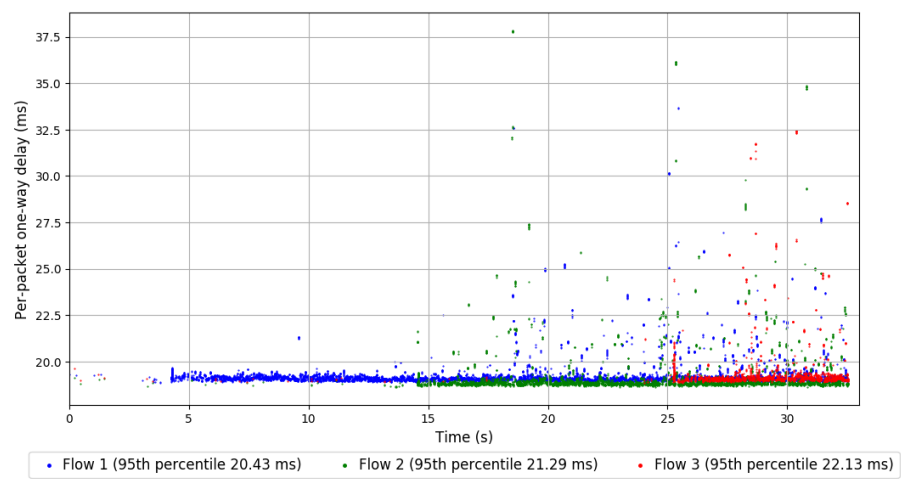
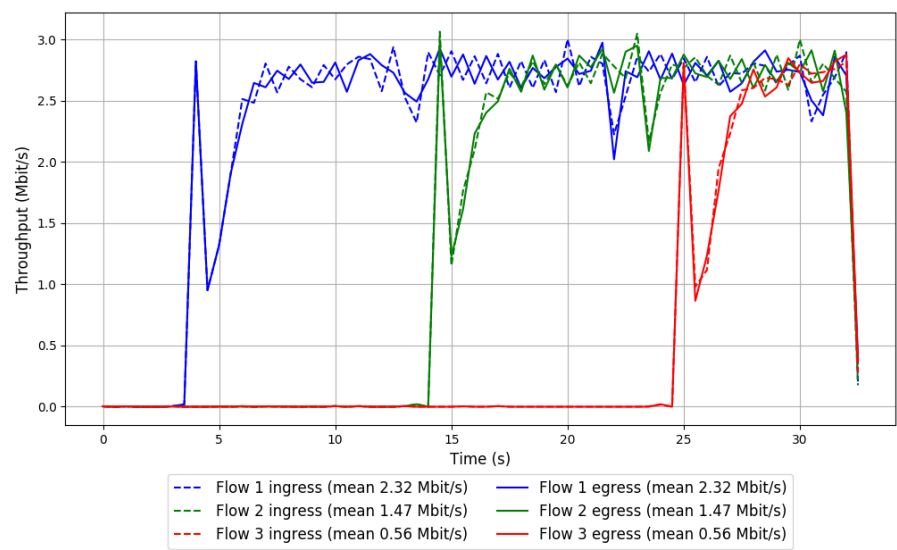
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 22.130 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

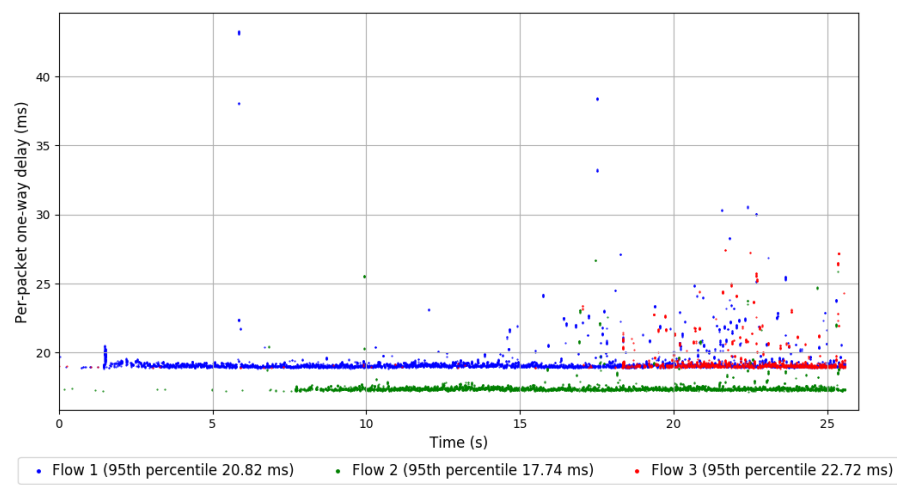
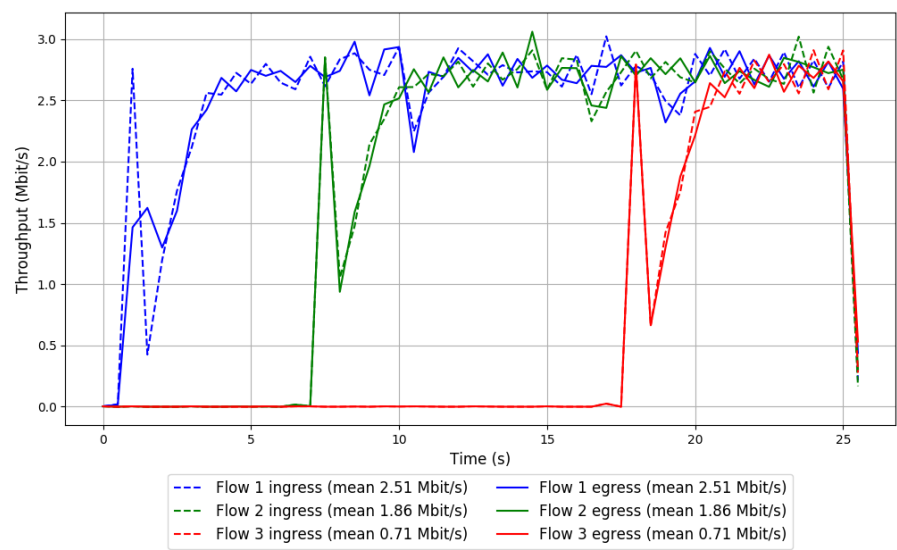


Run 2: Statistics of WebRTC media

Start at: 2017-12-11 23:47:15
End at: 2017-12-11 23:47:45
Local clock offset: 0.345 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.06 Mbit/s
95th percentile per-packet one-way delay: 20.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 20.824 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 17.742 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 22.718 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

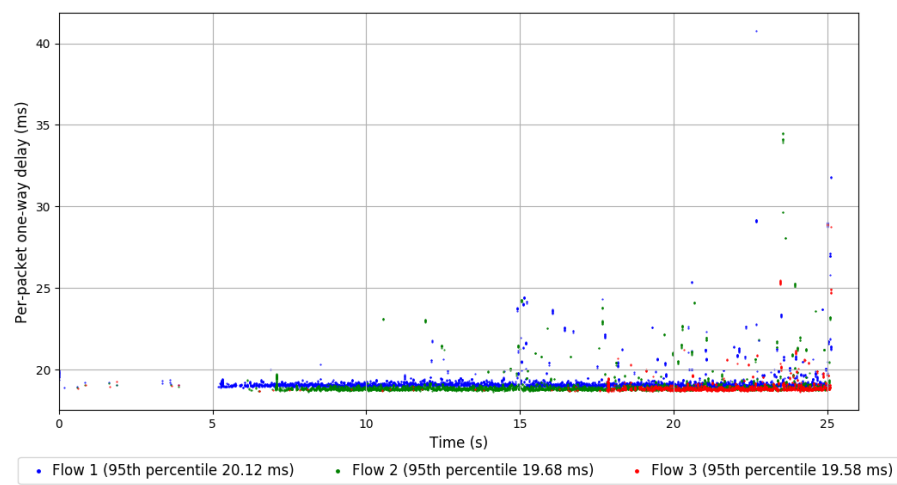
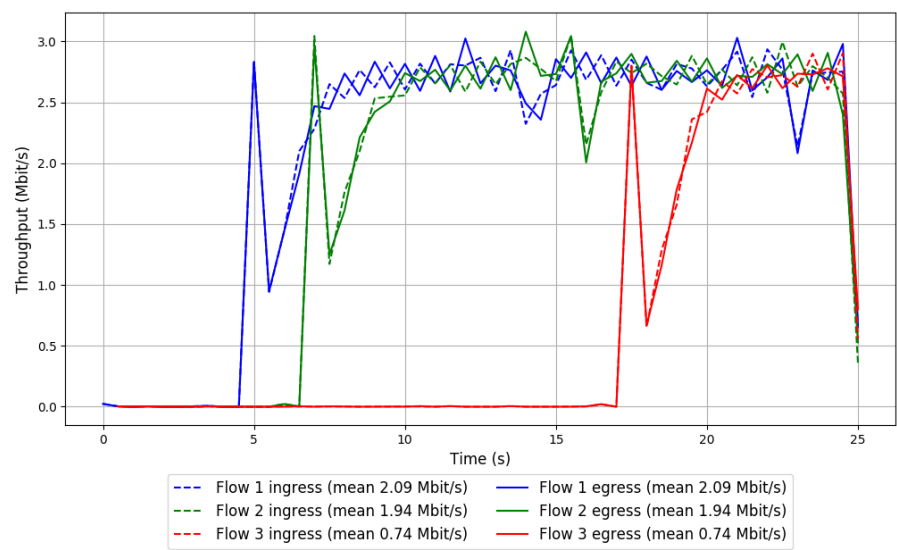


Run 3: Statistics of WebRTC media

Start at: 2017-12-12 00:07:17
End at: 2017-12-12 00:07:47
Local clock offset: 0.34 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 19.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 20.116 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 19.682 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 19.582 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

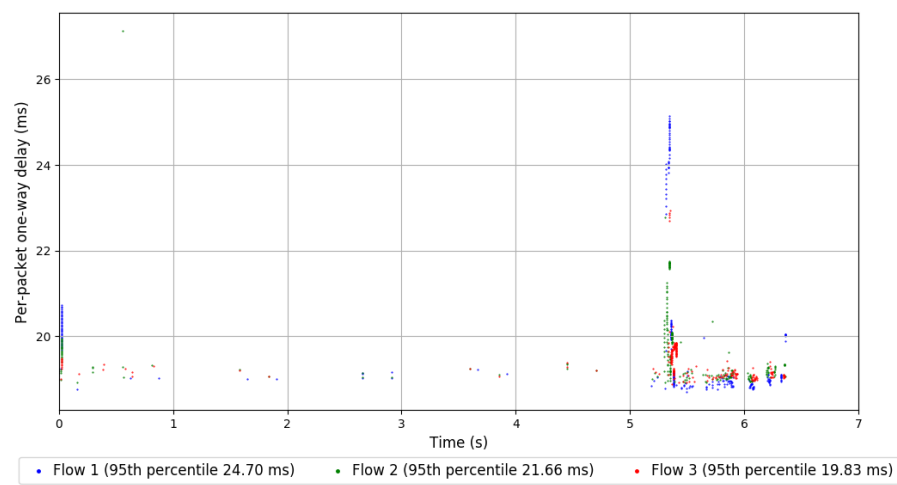
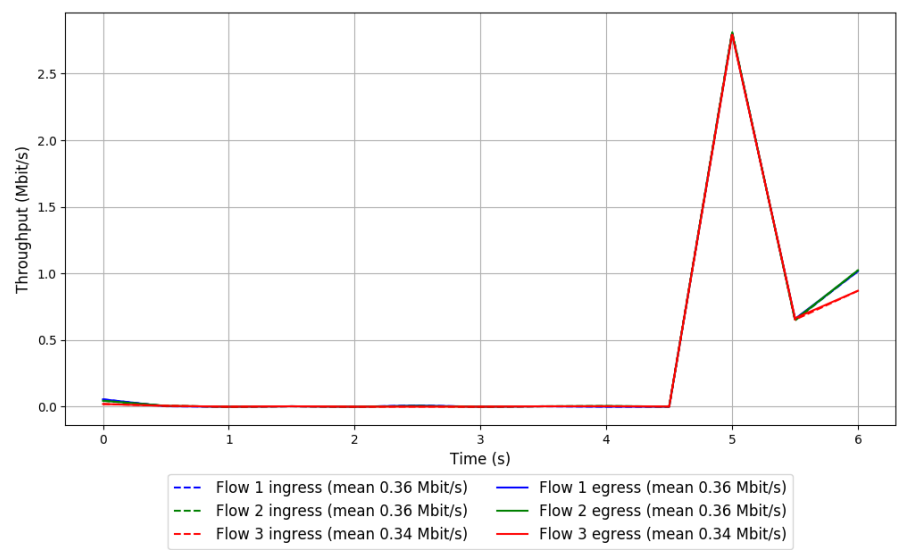
Start at: 2017-12-12 00:27:35

End at: 2017-12-12 00:28:05

Local clock offset: 0.187 ms

Remote clock offset: -0.695 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

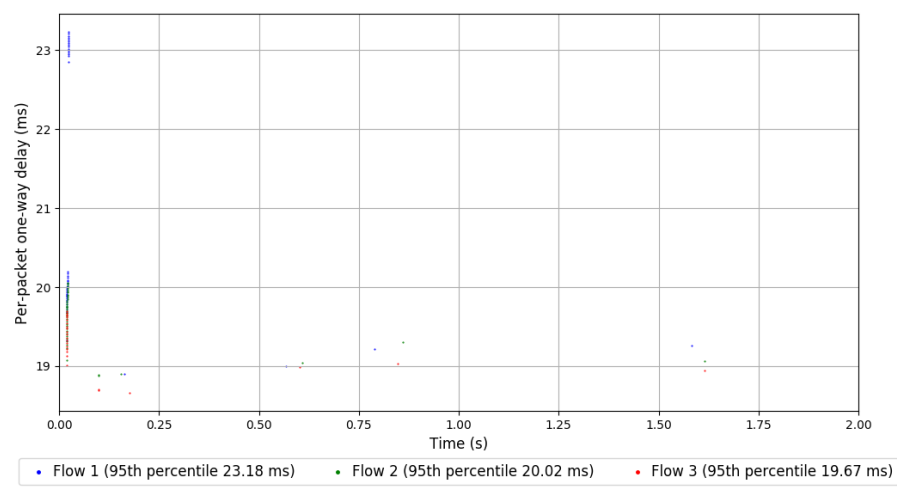
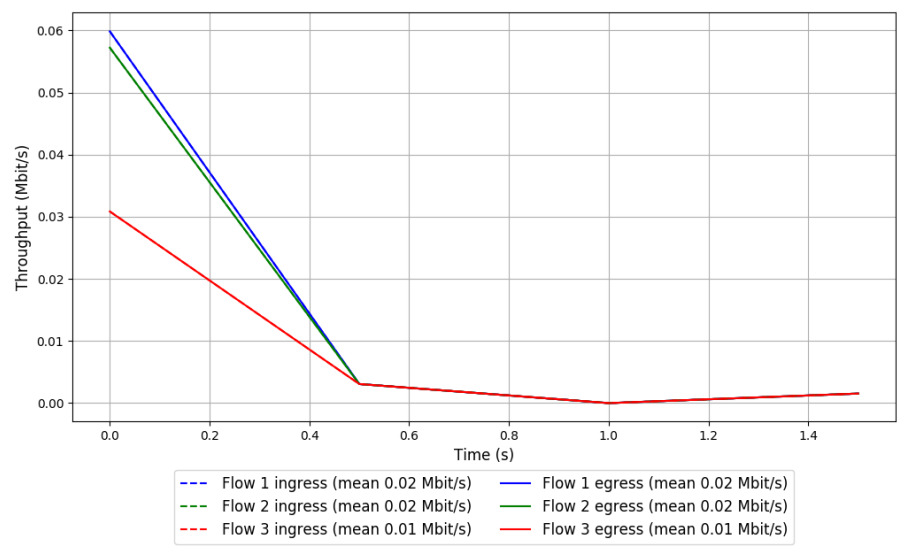
Start at: 2017-12-12 00:47:41

End at: 2017-12-12 00:48:11

Local clock offset: 0.199 ms

Remote clock offset: -0.79 ms

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

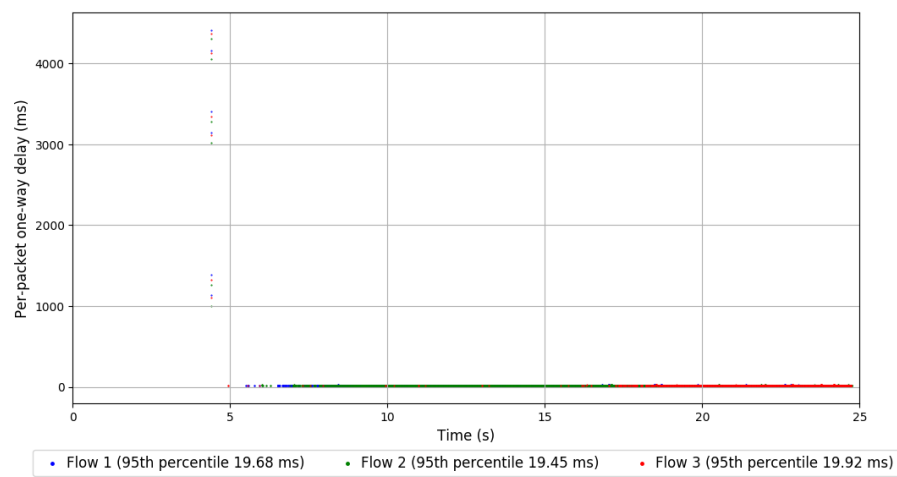
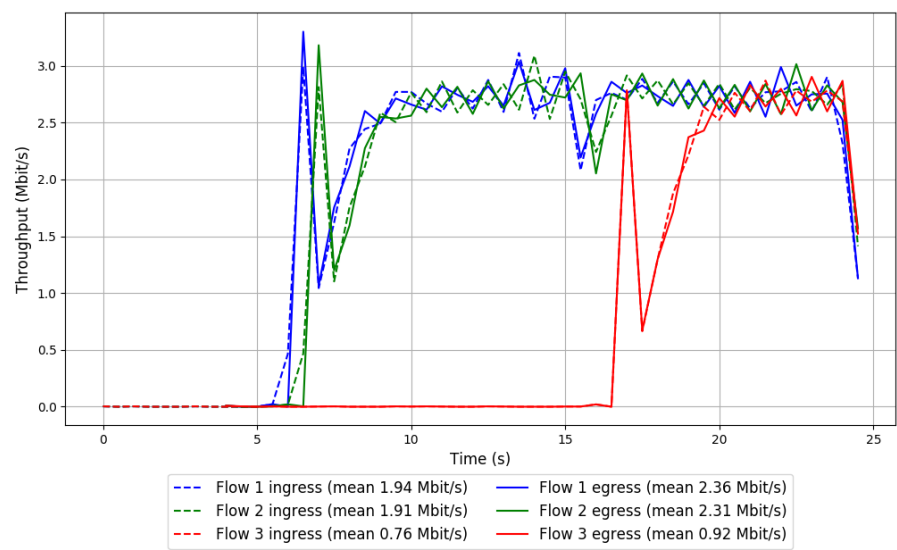
Start at: 2017-12-12 01:07:48

End at: 2017-12-12 01:08:18

Local clock offset: 0.114 ms

Remote clock offset: -1.316 ms

Run 6: Report of WebRTC media — Data Link

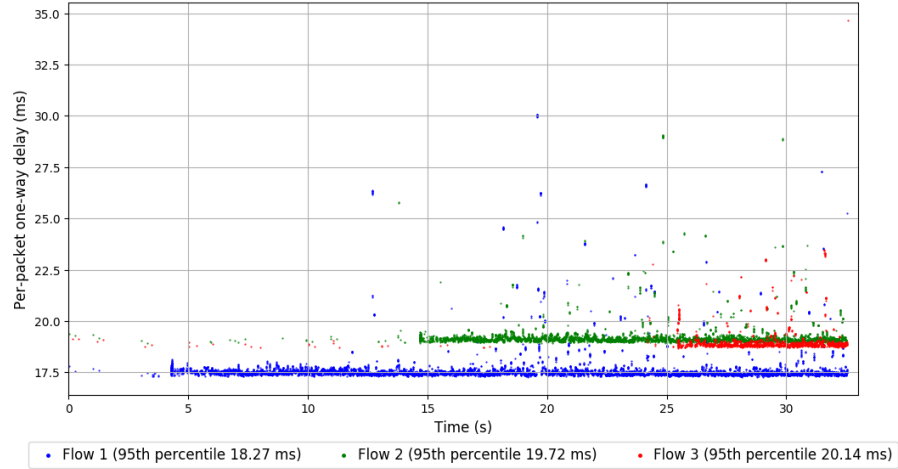
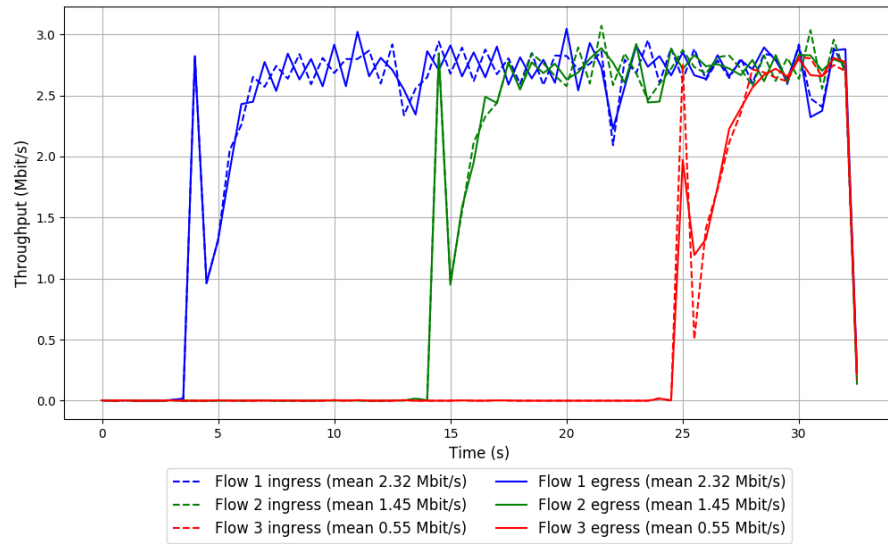


Run 7: Statistics of WebRTC media

Start at: 2017-12-12 01:28:04
End at: 2017-12-12 01:28:34
Local clock offset: -0.273 ms
Remote clock offset: -1.163 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 18.272 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 19.723 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 20.145 ms
Loss rate: 0.06%

Run 7: Report of WebRTC media — Data Link

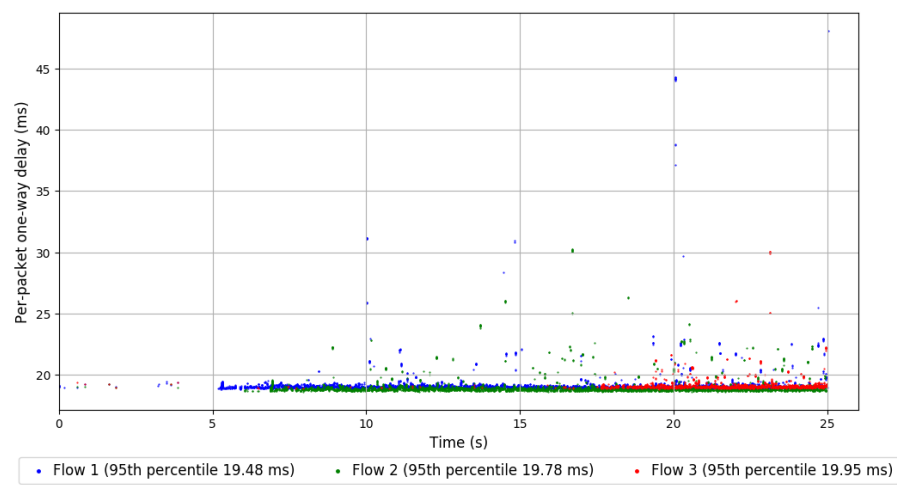
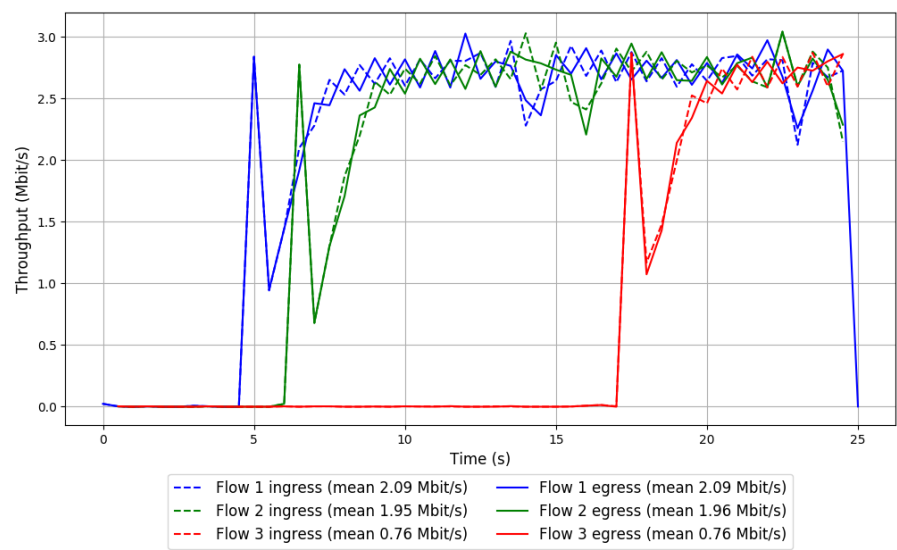


Run 8: Statistics of WebRTC media

Start at: 2017-12-12 01:48:20
End at: 2017-12-12 01:48:50
Local clock offset: -0.594 ms
Remote clock offset: -1.114 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.73 Mbit/s
95th percentile per-packet one-way delay: 19.695 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 19.485 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 19.781 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 19.952 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

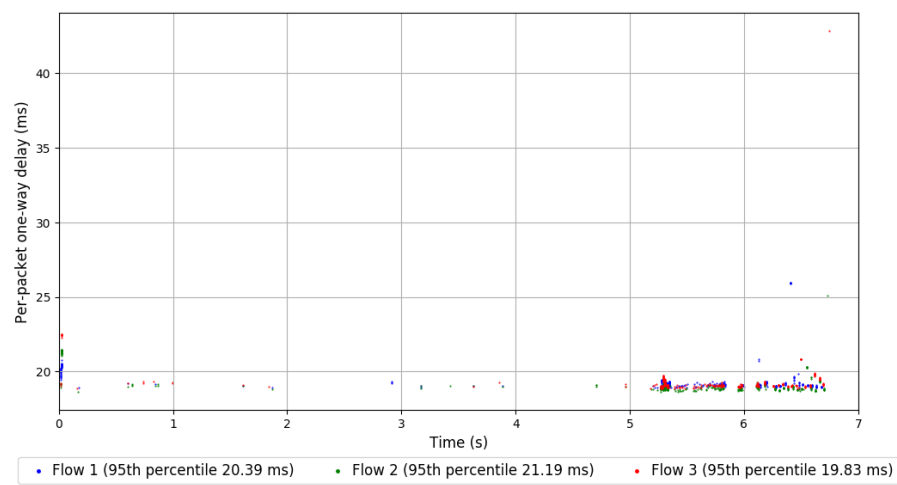
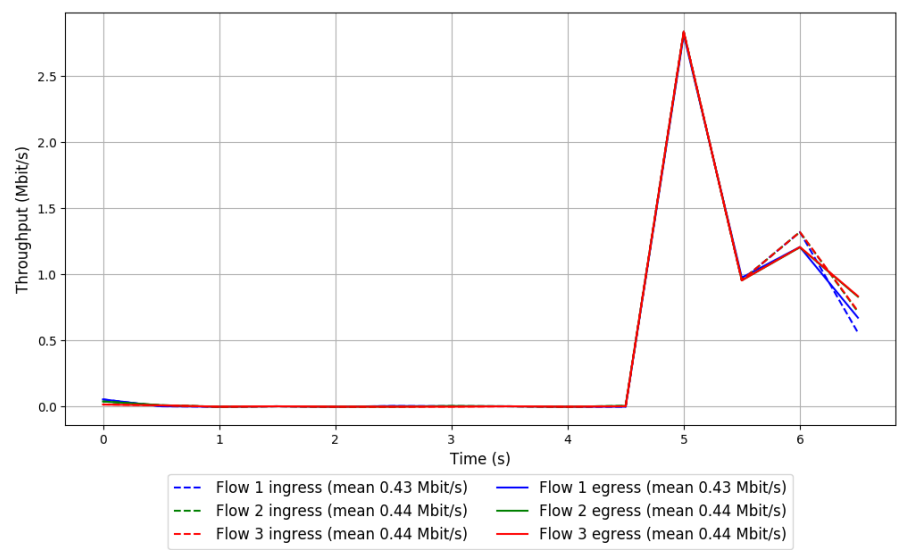
Start at: 2017-12-12 02:08:23

End at: 2017-12-12 02:08:53

Local clock offset: -0.376 ms

Remote clock offset: -0.844 ms

Run 9: Report of WebRTC media — Data Link

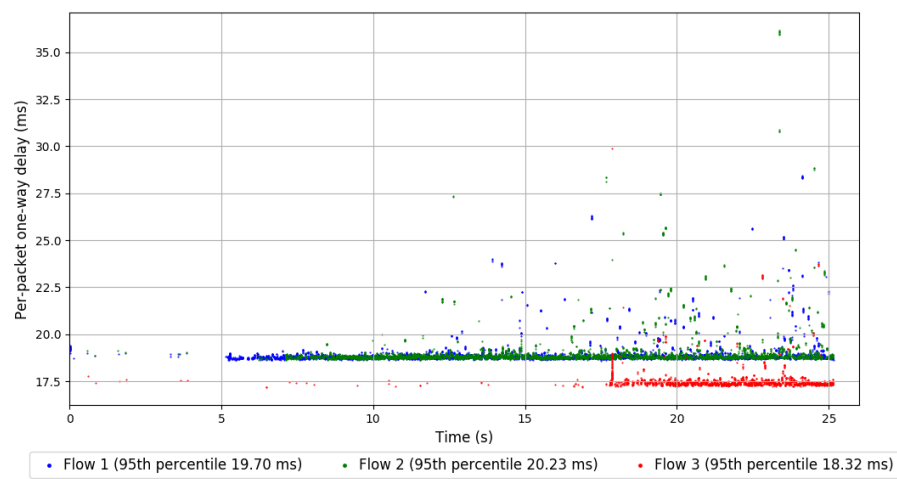
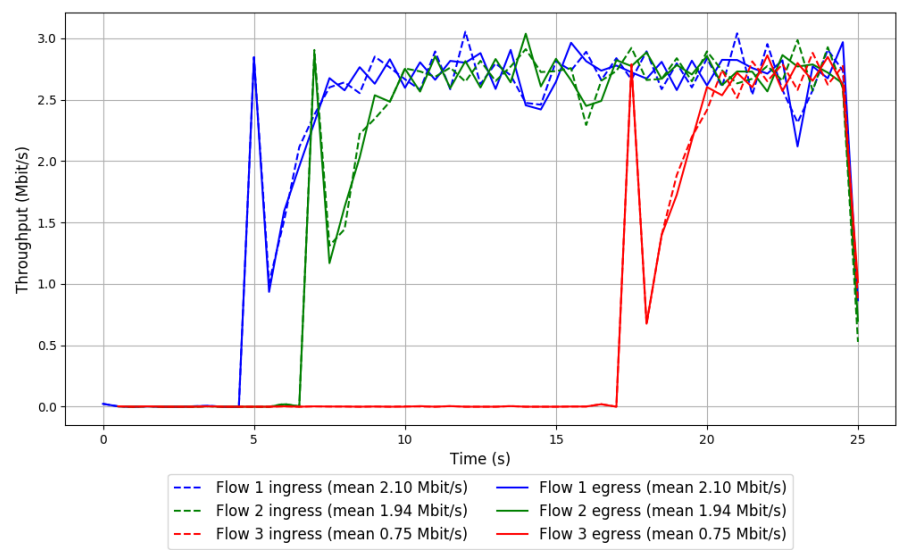


Run 10: Statistics of WebRTC media

Start at: 2017-12-12 02:28:42
End at: 2017-12-12 02:29:12
Local clock offset: -0.03 ms
Remote clock offset: -0.925 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 19.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 19.698 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 20.225 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 18.323 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-12-11 23:38:51

End at: 2017-12-11 23:39:21

Local clock offset: 0.306 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2017-12-12 05:27:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.31 Mbit/s

95th percentile per-packet one-way delay: 21.999 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 24.79 Mbit/s

95th percentile per-packet one-way delay: 22.179 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 21.616 ms

Loss rate: 0.00%

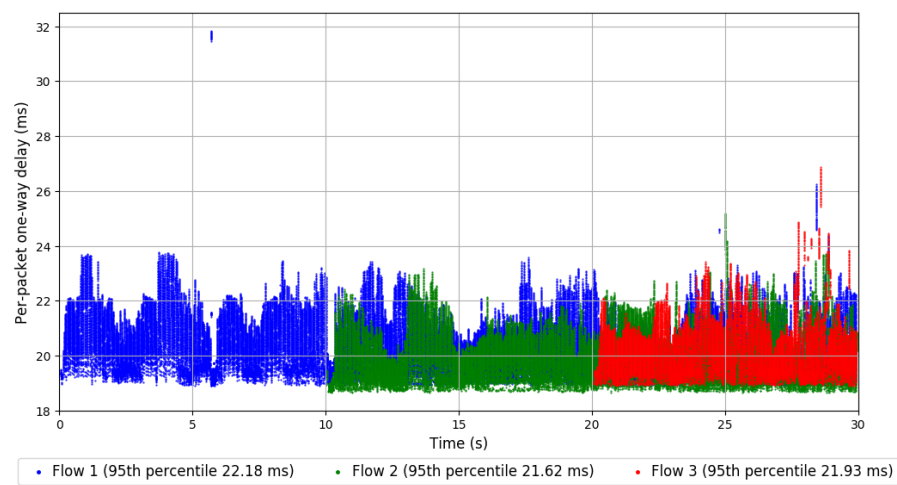
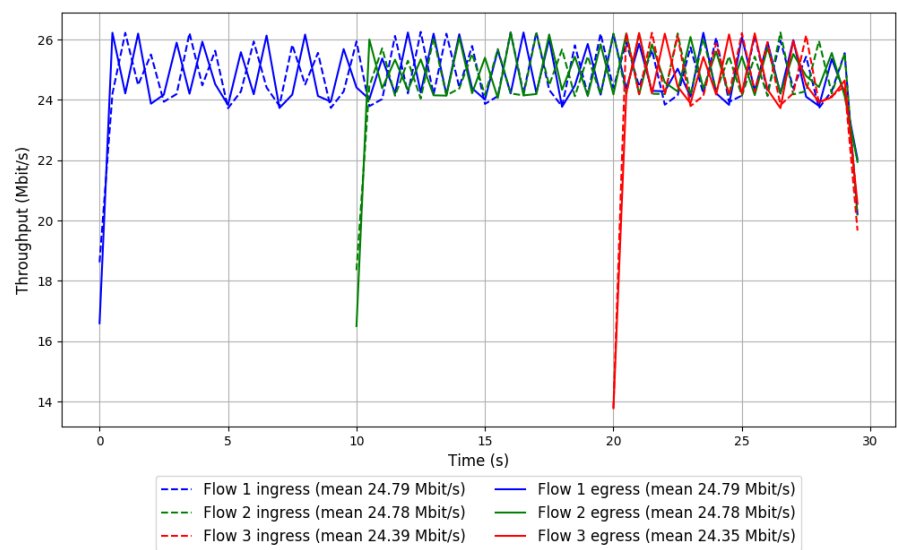
-- Flow 3:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 21.926 ms

Loss rate: 0.12%

Run 1: Report of Sprout — Data Link

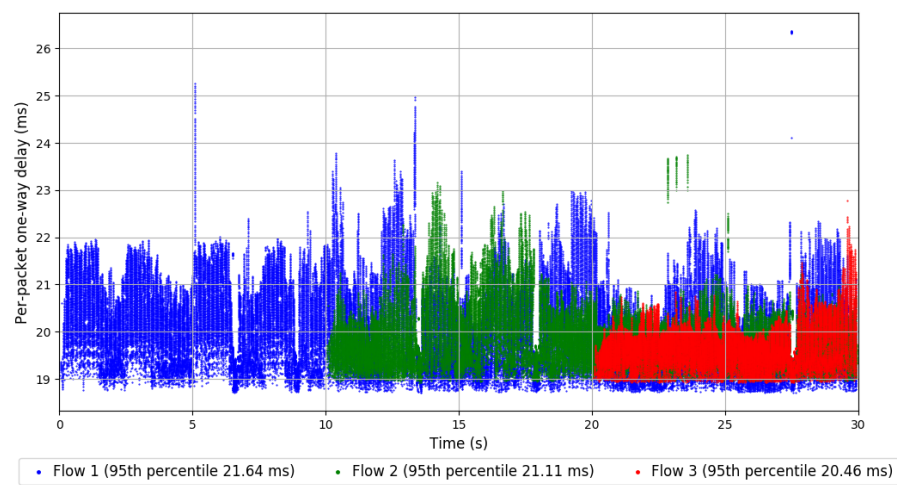
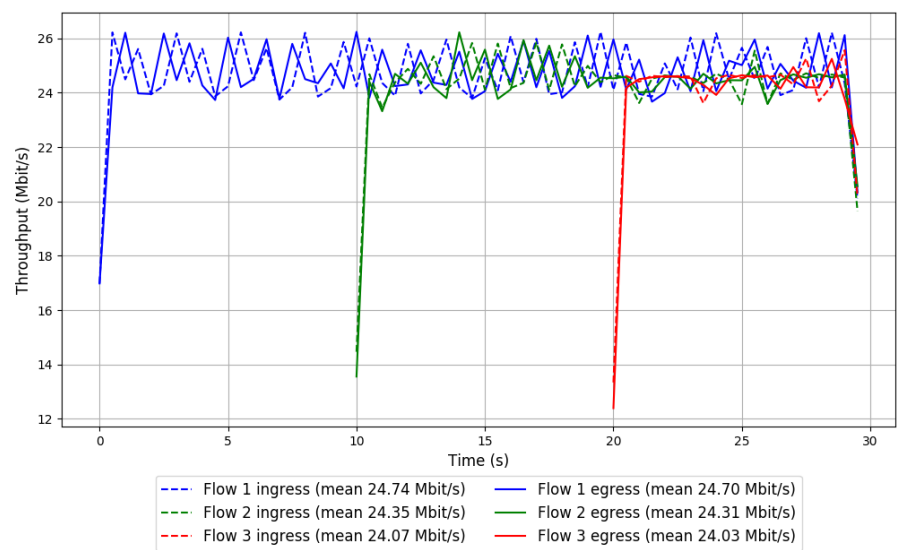


Run 2: Statistics of Sprout

Start at: 2017-12-11 23:58:49
End at: 2017-12-11 23:59:19
Local clock offset: 0.335 ms
Remote clock offset: -0.302 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.80 Mbit/s
95th percentile per-packet one-way delay: 21.430 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 21.642 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 21.108 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 20.460 ms
Loss rate: 0.15%

Run 2: Report of Sprout — Data Link

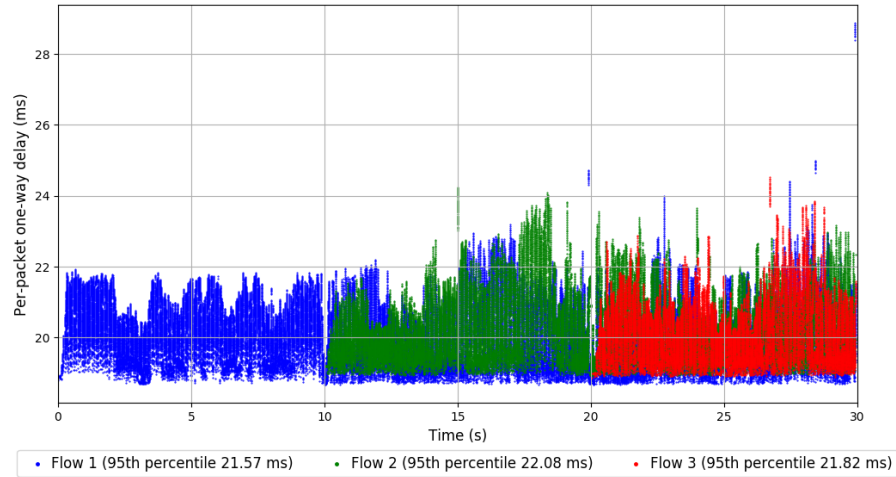
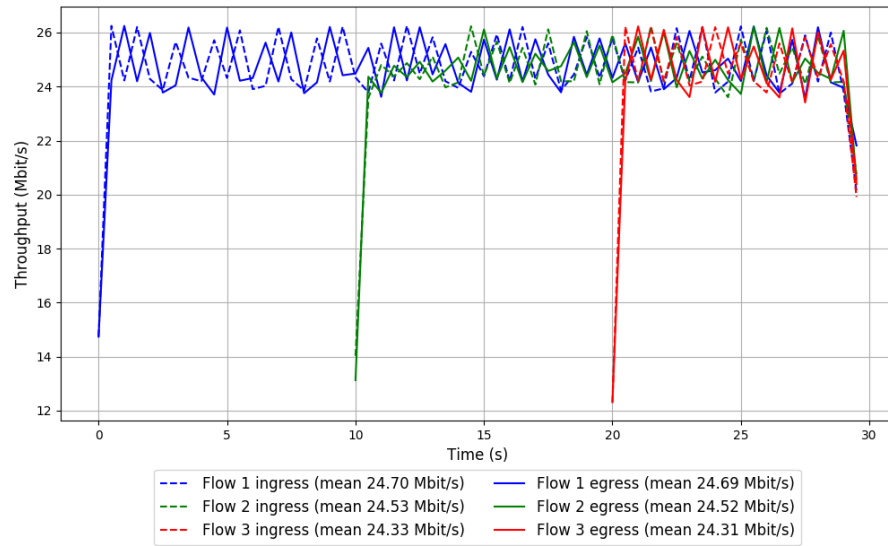


Run 3: Statistics of Sprout

Start at: 2017-12-12 00:19:07
End at: 2017-12-12 00:19:37
Local clock offset: 0.282 ms
Remote clock offset: -0.669 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 21.784 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 21.572 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 22.079 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 21.818 ms
Loss rate: 0.08%

Run 3: Report of Sprout — Data Link

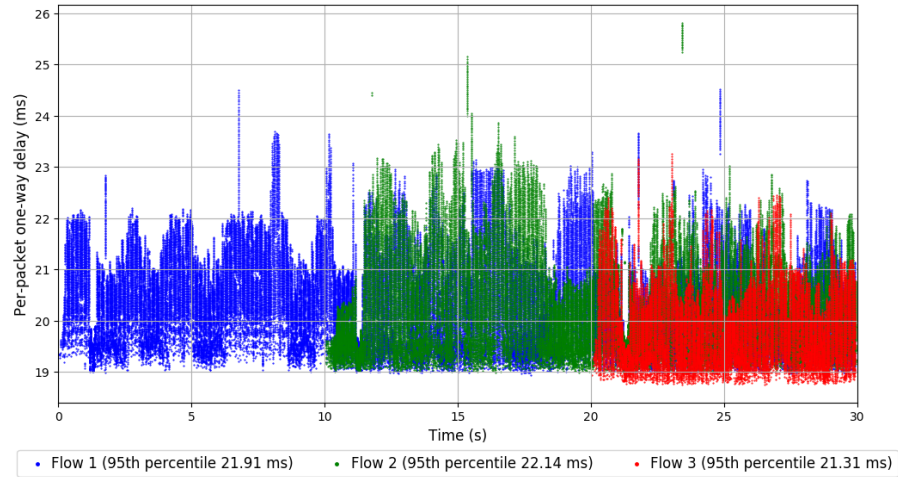
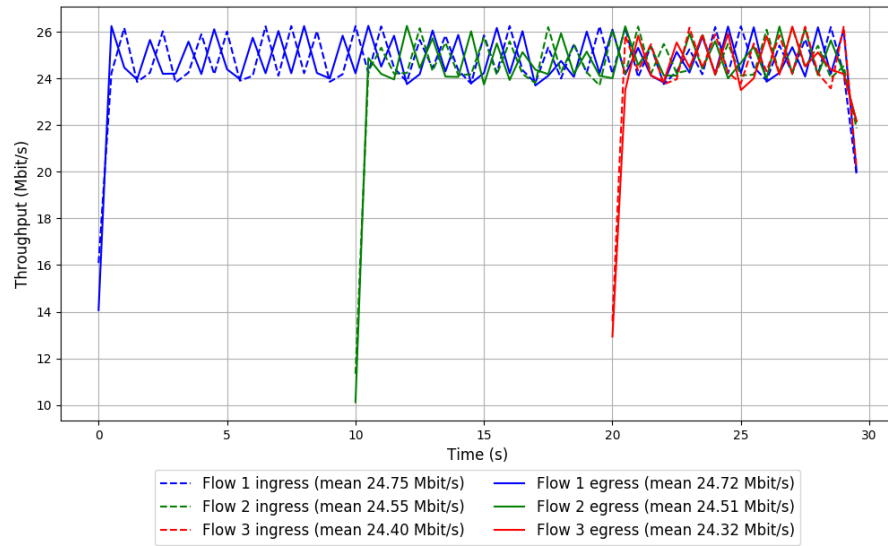


Run 4: Statistics of Sprout

Start at: 2017-12-12 00:39:16
End at: 2017-12-12 00:39:46
Local clock offset: 0.109 ms
Remote clock offset: -0.74 ms

```
# Below is generated by plot.py at 2017-12-12 05:27:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 21.927 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 21.907 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 22.141 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 21.308 ms
Loss rate: 0.30%
```

Run 4: Report of Sprout — Data Link

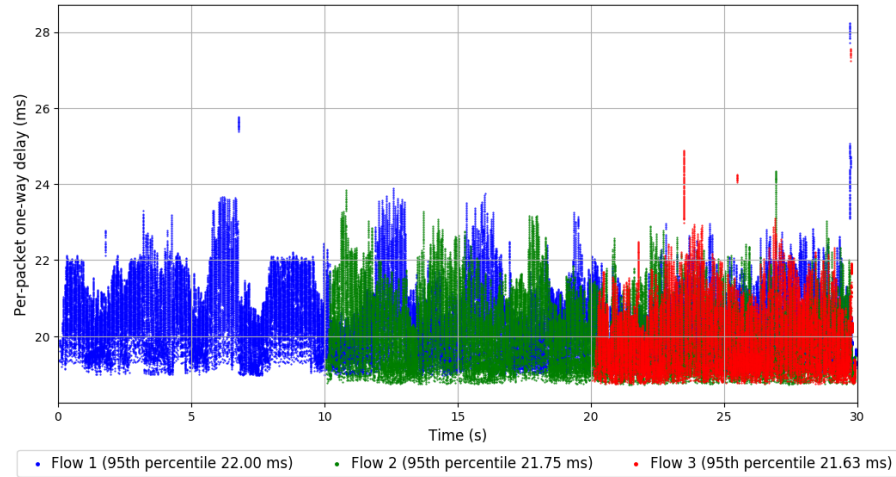
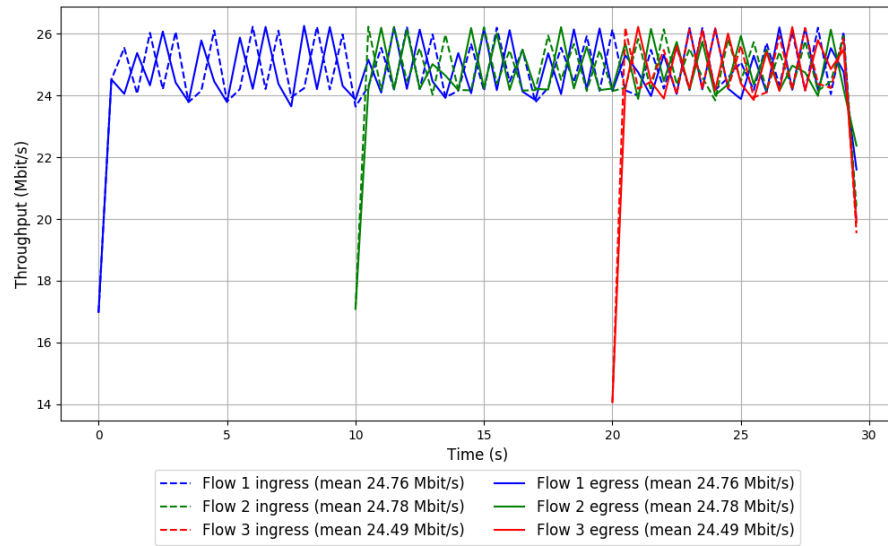


Run 5: Statistics of Sprout

Start at: 2017-12-12 00:59:23
End at: 2017-12-12 00:59:53
Local clock offset: 0.149 ms
Remote clock offset: -1.141 ms

```
# Below is generated by plot.py at 2017-12-12 05:27:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.32 Mbit/s
95th percentile per-packet one-way delay: 21.879 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.001 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 21.750 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 21.630 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

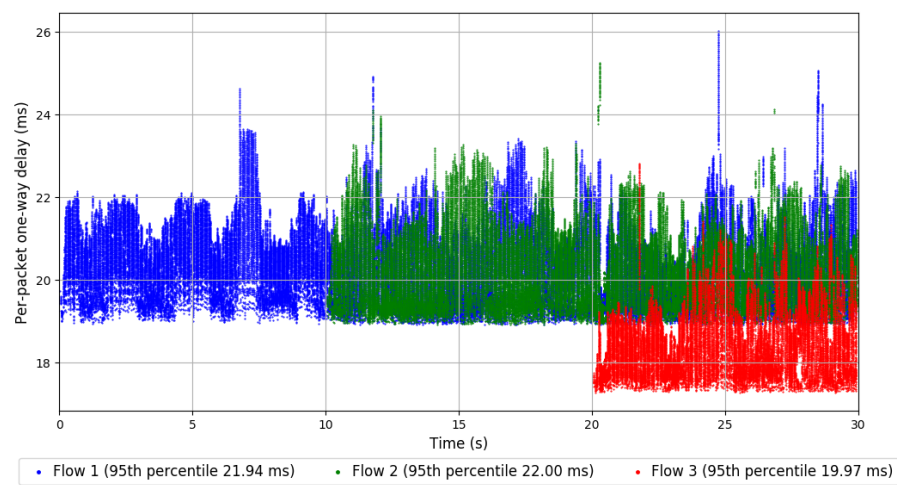
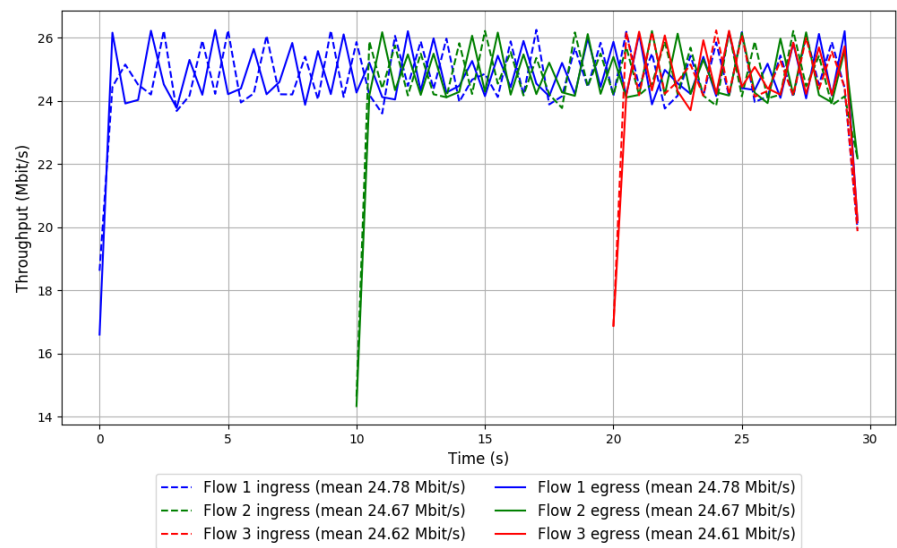


Run 6: Statistics of Sprout

Start at: 2017-12-12 01:19:32
End at: 2017-12-12 01:20:02
Local clock offset: -0.107 ms
Remote clock offset: -1.167 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.29 Mbit/s
95th percentile per-packet one-way delay: 21.870 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 21.942 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 21.996 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.61 Mbit/s
95th percentile per-packet one-way delay: 19.973 ms
Loss rate: 0.03%

Run 6: Report of Sprout — Data Link

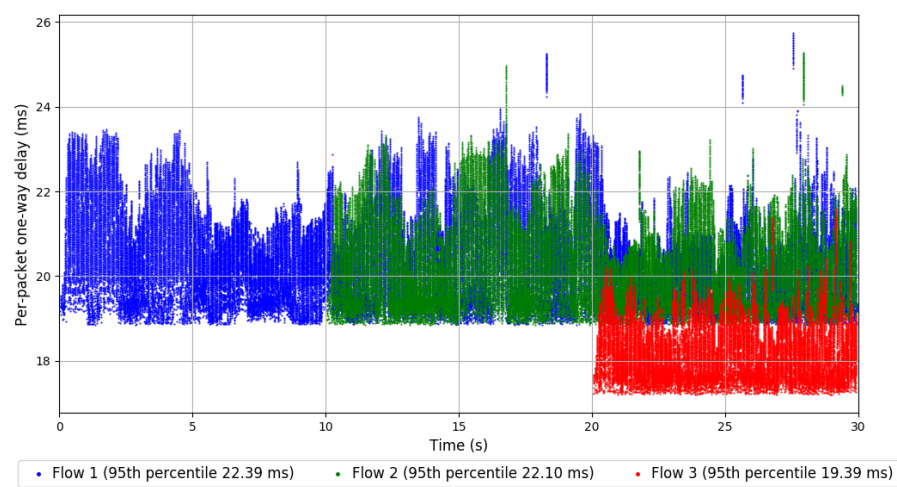
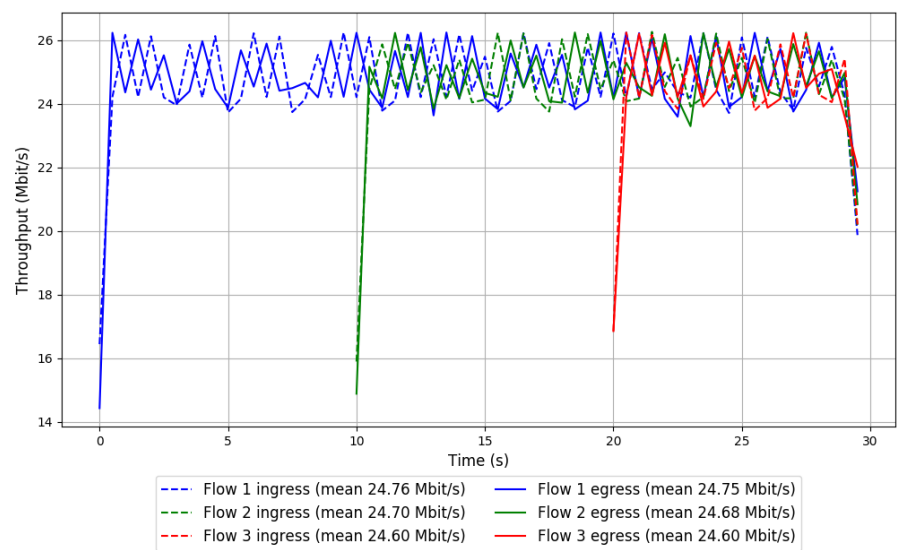


Run 7: Statistics of Sprout

Start at: 2017-12-12 01:39:52
End at: 2017-12-12 01:40:22
Local clock offset: -0.329 ms
Remote clock offset: -1.181 ms

```
# Below is generated by plot.py at 2017-12-12 05:27:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.28 Mbit/s
95th percentile per-packet one-way delay: 22.169 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 22.394 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.100 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

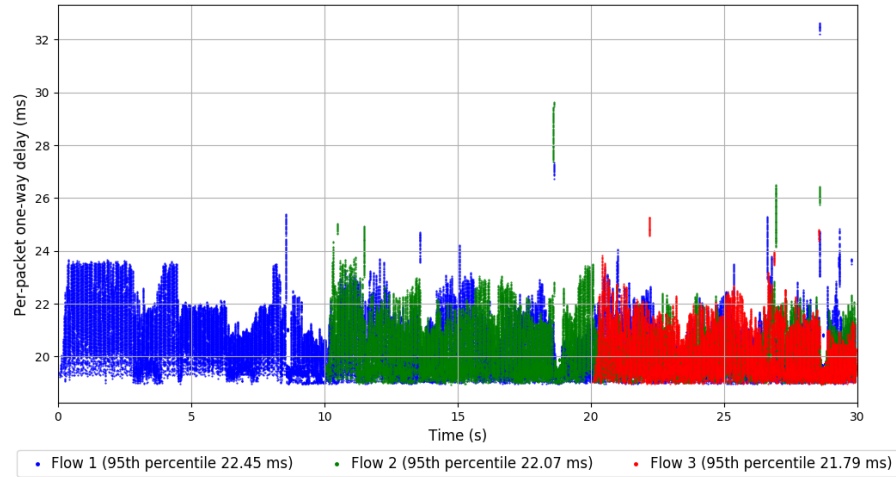
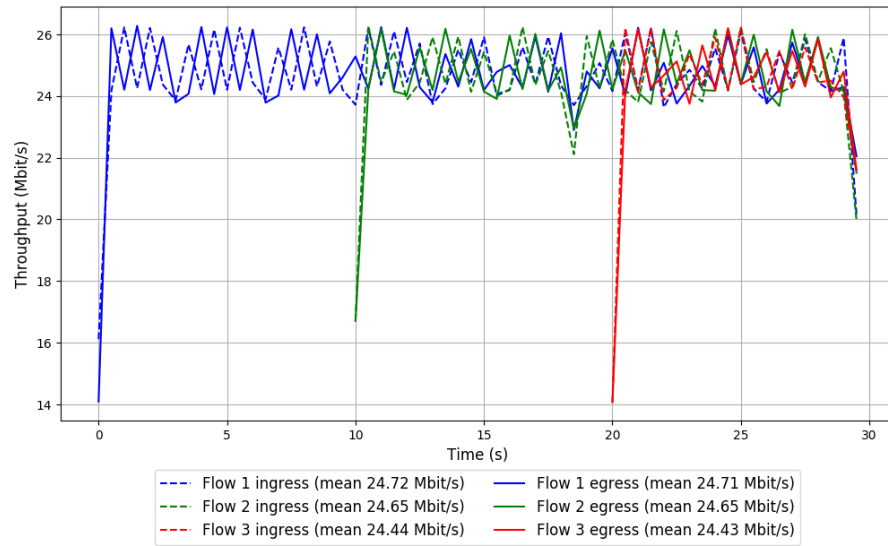


Run 8: Statistics of Sprout

Start at: 2017-12-12 01:59:56
End at: 2017-12-12 02:00:26
Local clock offset: -0.662 ms
Remote clock offset: -0.896 ms

```
# Below is generated by plot.py at 2017-12-12 05:27:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 22.220 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.454 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 22.070 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.43 Mbit/s
95th percentile per-packet one-way delay: 21.790 ms
Loss rate: 0.06%
```

Run 8: Report of Sprout — Data Link

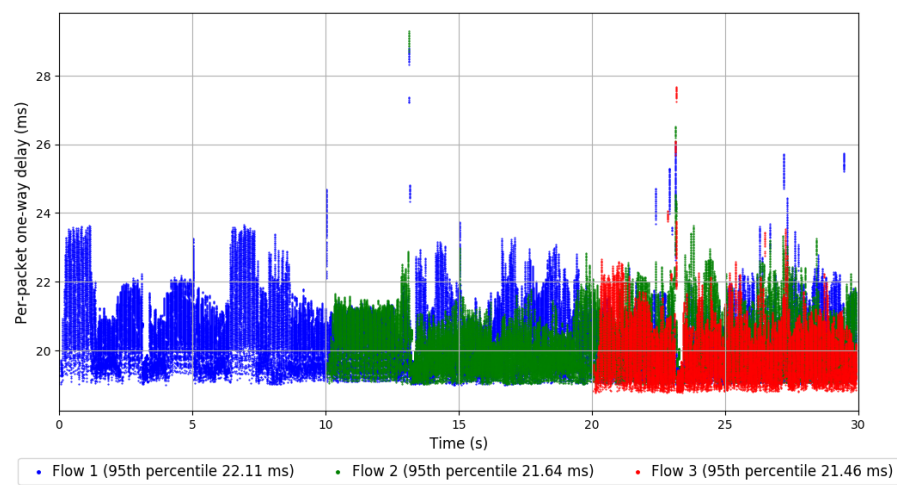
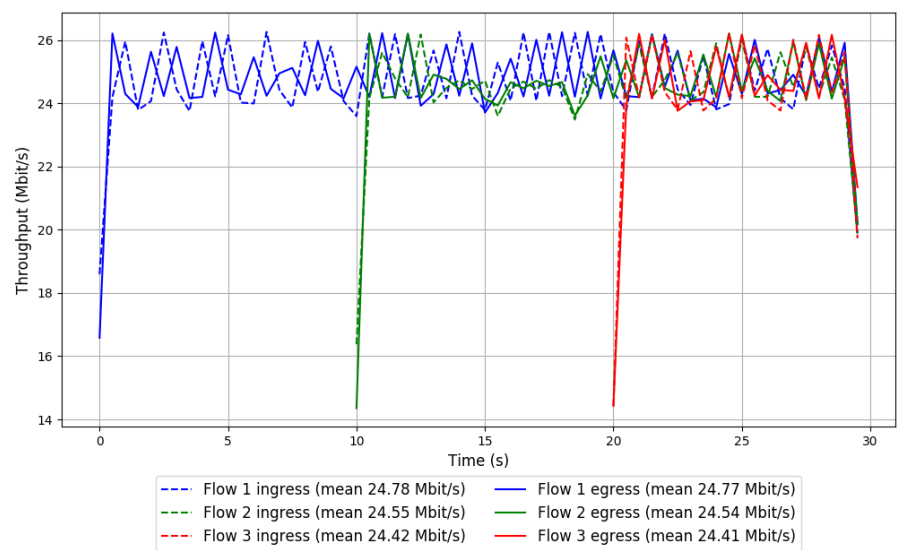


Run 9: Statistics of Sprout

Start at: 2017-12-12 02:20:12
End at: 2017-12-12 02:20:42
Local clock offset: -0.231 ms
Remote clock offset: -0.964 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 21.870 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 22.107 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.644 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 21.464 ms
Loss rate: 0.03%

Run 9: Report of Sprout — Data Link

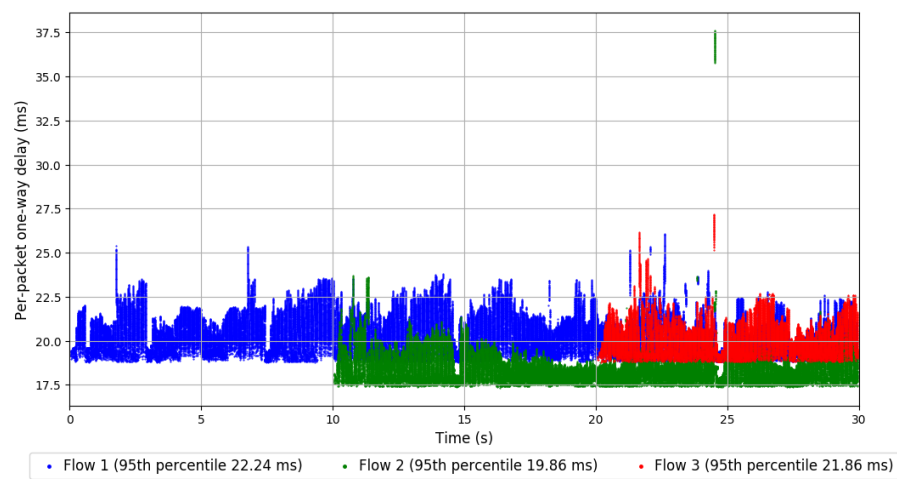
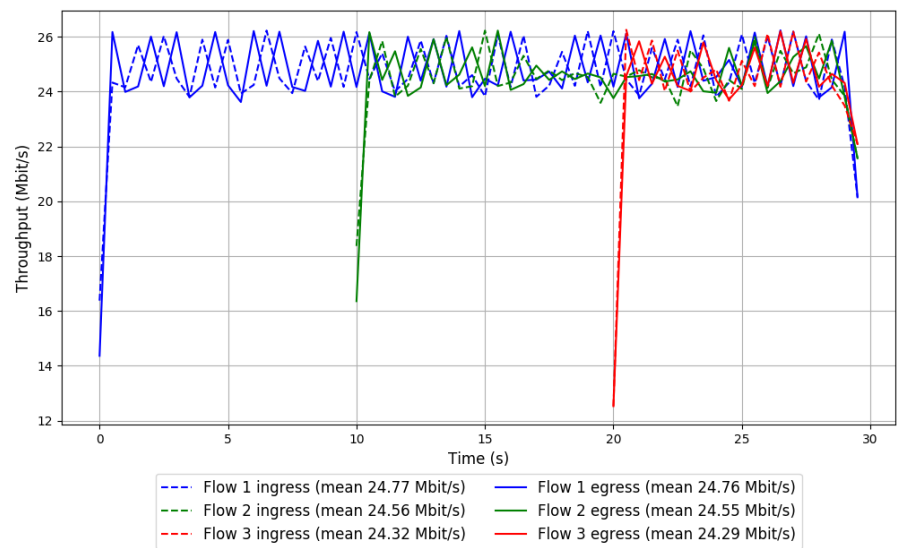


Run 10: Statistics of Sprout

Start at: 2017-12-12 02:40:40
End at: 2017-12-12 02:41:10
Local clock offset: 0.123 ms
Remote clock offset: -1.176 ms

Below is generated by plot.py at 2017-12-12 05:27:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 21.902 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.239 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 19.856 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 21.857 ms
Loss rate: 0.12%

Run 10: Report of Sprout — Data Link

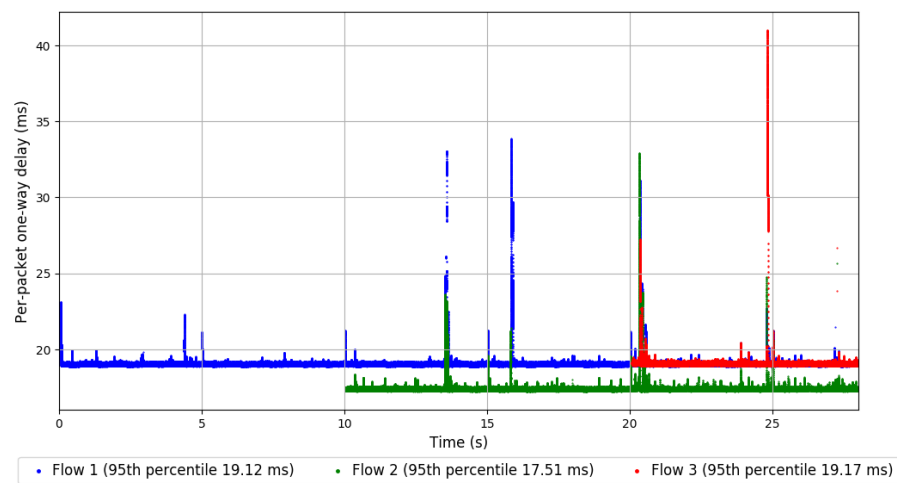
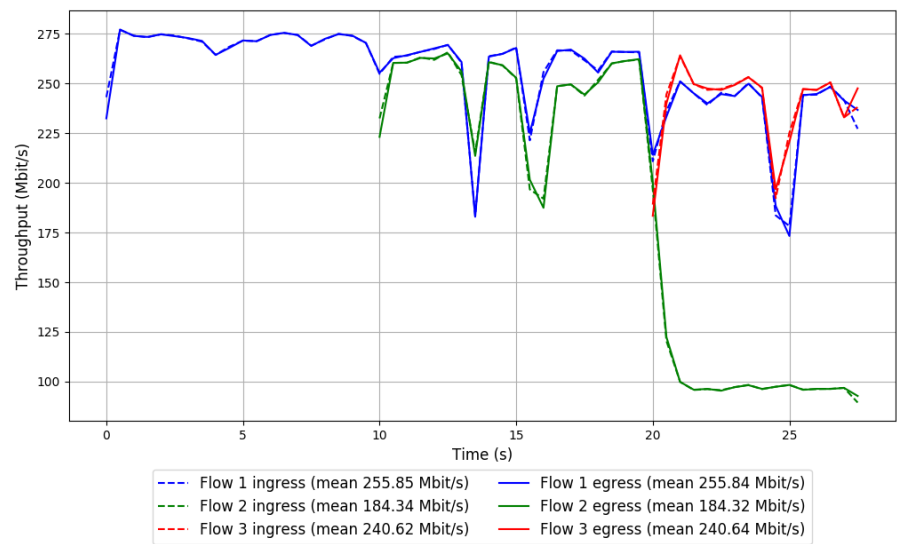


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-11 23:32:25
End at: 2017-12-11 23:32:55
Local clock offset: 0.217 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2017-12-12 05:32:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 442.59 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 255.84 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 184.32 Mbit/s
95th percentile per-packet one-way delay: 17.510 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 240.64 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.01%
```


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

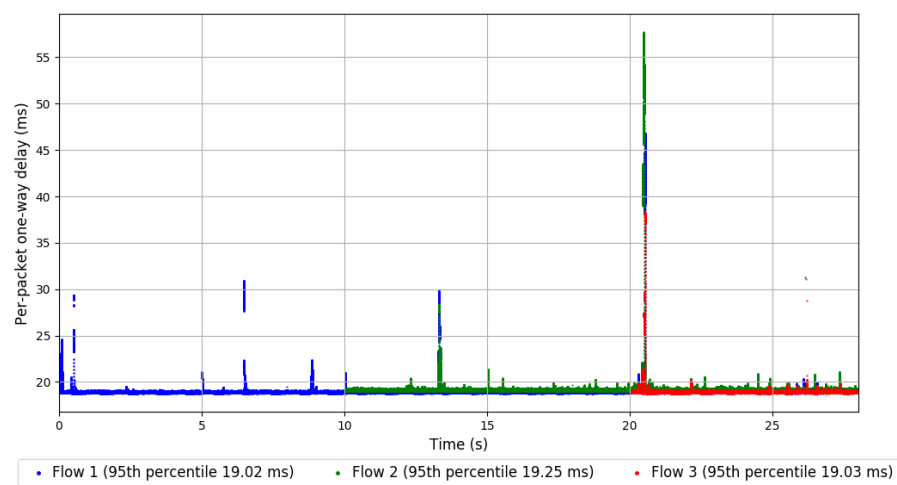
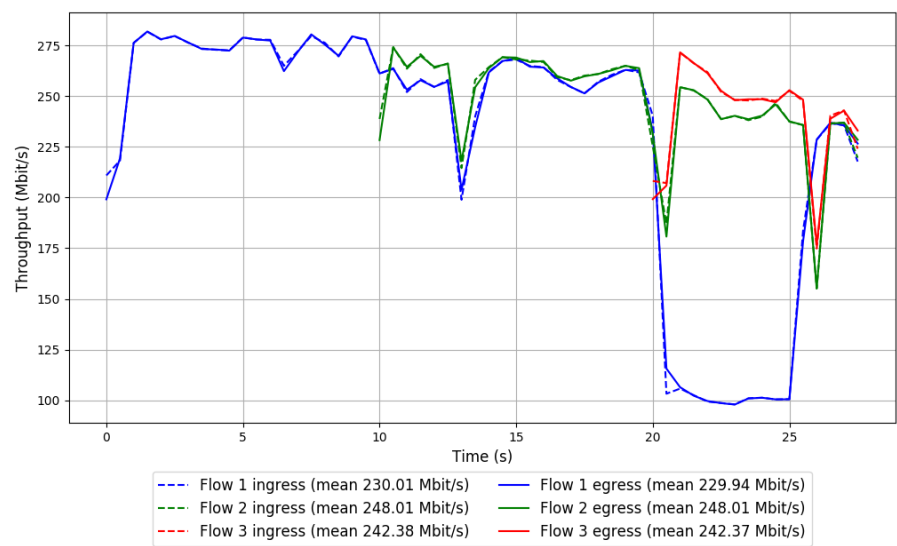


```
Run 2: Statistics of TaoVA-100x

Start at: 2017-12-11 23:52:29
End at: 2017-12-11 23:52:59
Local clock offset: 0.291 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2017-12-12 05:32:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 457.83 Mbit/s
95th percentile per-packet one-way delay: 19.211 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 229.94 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 248.01 Mbit/s
95th percentile per-packet one-way delay: 19.253 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 242.37 Mbit/s
95th percentile per-packet one-way delay: 19.030 ms
Loss rate: 0.01%
```

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

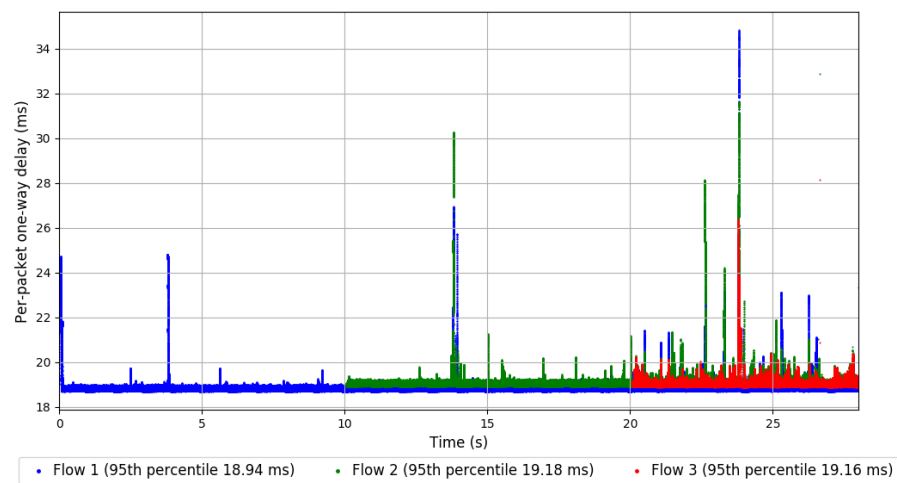
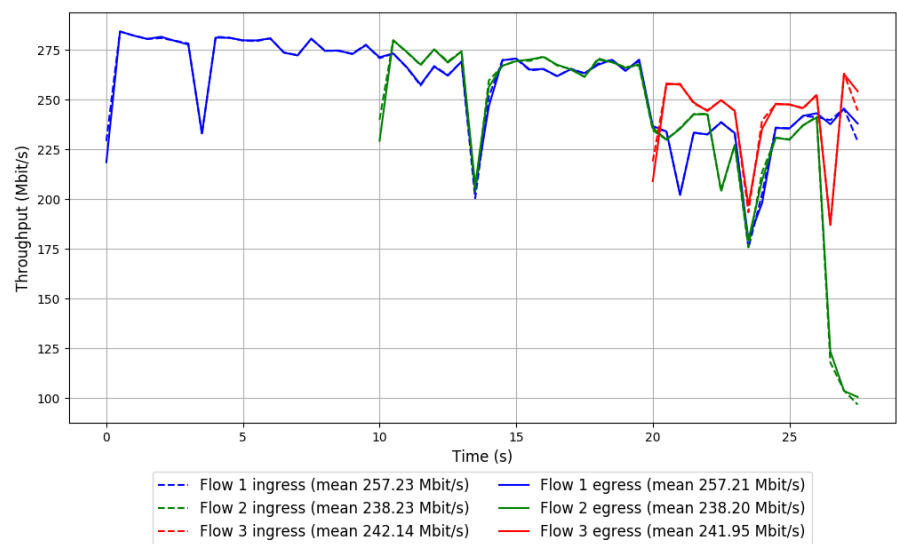


Run 3: Statistics of TaoVA-100x

Start at: 2017-12-12 00:12:36
End at: 2017-12-12 00:13:06
Local clock offset: 0.303 ms
Remote clock offset: -0.653 ms

Below is generated by plot.py at 2017-12-12 05:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.74 Mbit/s
95th percentile per-packet one-way delay: 19.141 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 257.21 Mbit/s
95th percentile per-packet one-way delay: 18.940 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 238.20 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 241.95 Mbit/s
95th percentile per-packet one-way delay: 19.163 ms
Loss rate: 0.03%

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

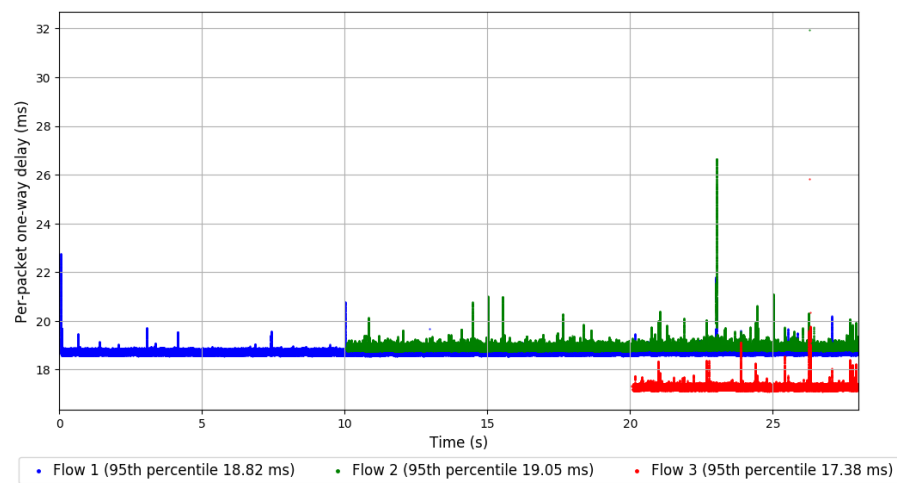
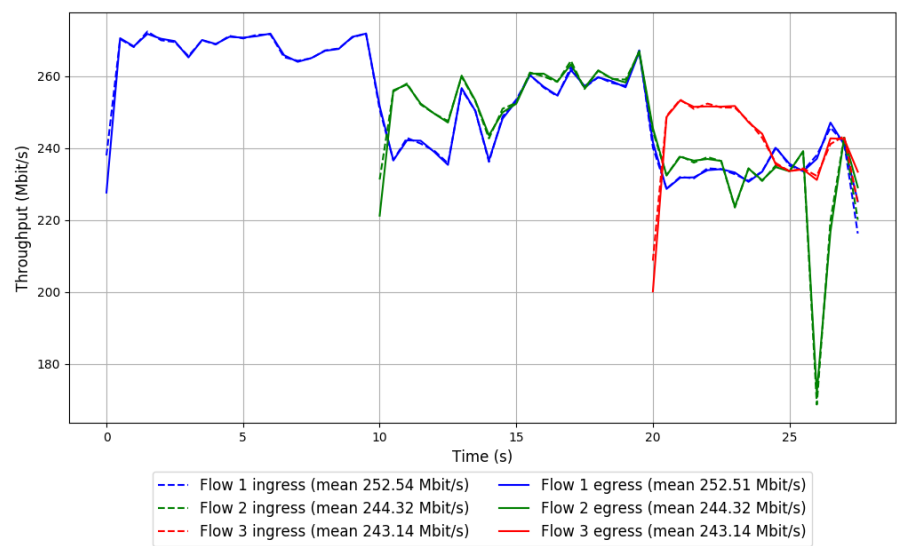


Run 4: Statistics of TaoVA-100x

Start at: 2017-12-12 00:32:49
End at: 2017-12-12 00:33:19
Local clock offset: 0.263 ms
Remote clock offset: -0.829 ms

Below is generated by plot.py at 2017-12-12 05:33:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.23 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 252.51 Mbit/s
95th percentile per-packet one-way delay: 18.824 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 244.32 Mbit/s
95th percentile per-packet one-way delay: 19.048 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 243.14 Mbit/s
95th percentile per-packet one-way delay: 17.383 ms
Loss rate: 0.00%

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

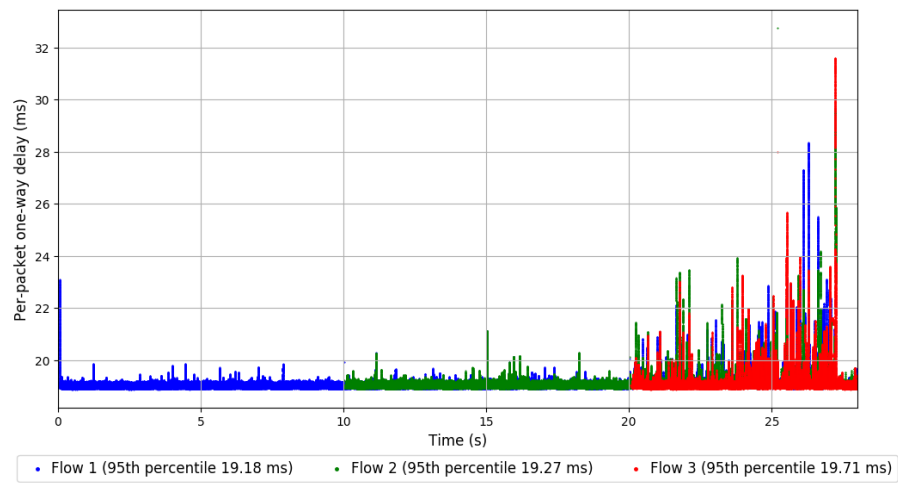
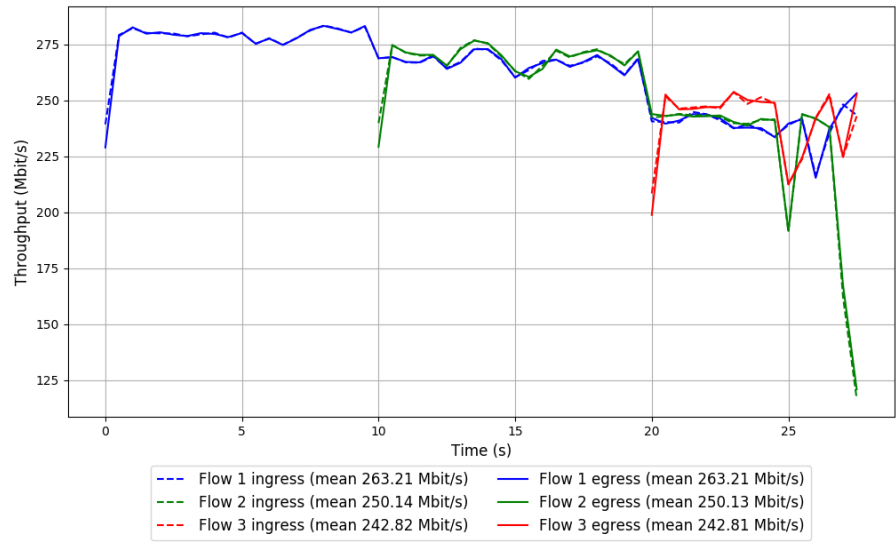


Run 5: Statistics of TaoVA-100x

Start at: 2017-12-12 00:52:55
End at: 2017-12-12 00:53:25
Local clock offset: 0.203 ms
Remote clock offset: -0.892 ms

Below is generated by plot.py at 2017-12-12 05:33:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 492.62 Mbit/s
95th percentile per-packet one-way delay: 19.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 263.21 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 250.13 Mbit/s
95th percentile per-packet one-way delay: 19.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 242.81 Mbit/s
95th percentile per-packet one-way delay: 19.710 ms
Loss rate: 0.00%

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

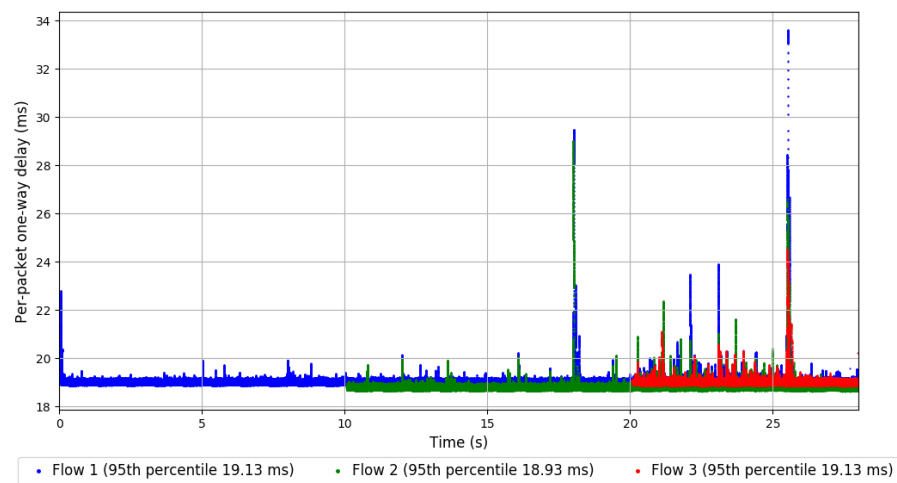
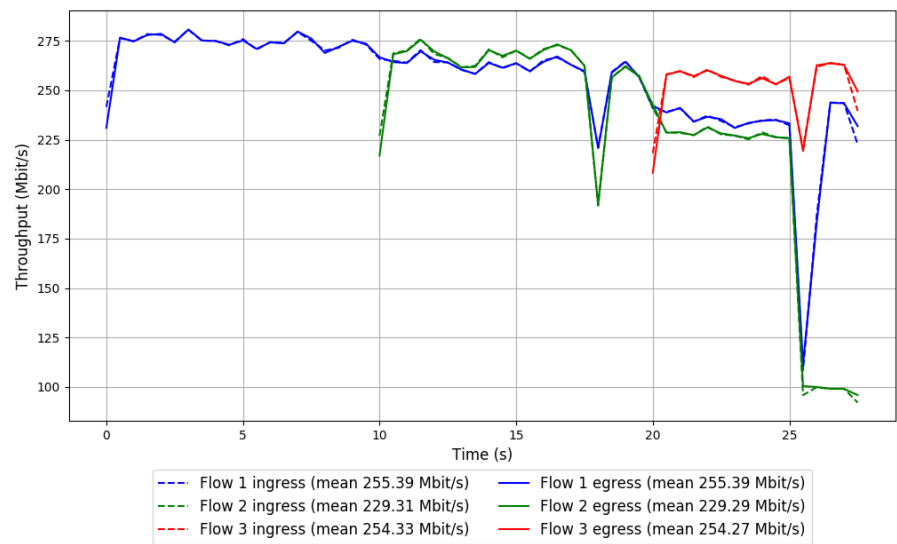


Run 6: Statistics of TaoVA-100x

Start at: 2017-12-12 01:13:07
End at: 2017-12-12 01:13:37
Local clock offset: -0.018 ms
Remote clock offset: -1.303 ms

Below is generated by plot.py at 2017-12-12 05:33:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.48 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 255.39 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 229.29 Mbit/s
95th percentile per-packet one-way delay: 18.928 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 254.27 Mbit/s
95th percentile per-packet one-way delay: 19.131 ms
Loss rate: 0.01%

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

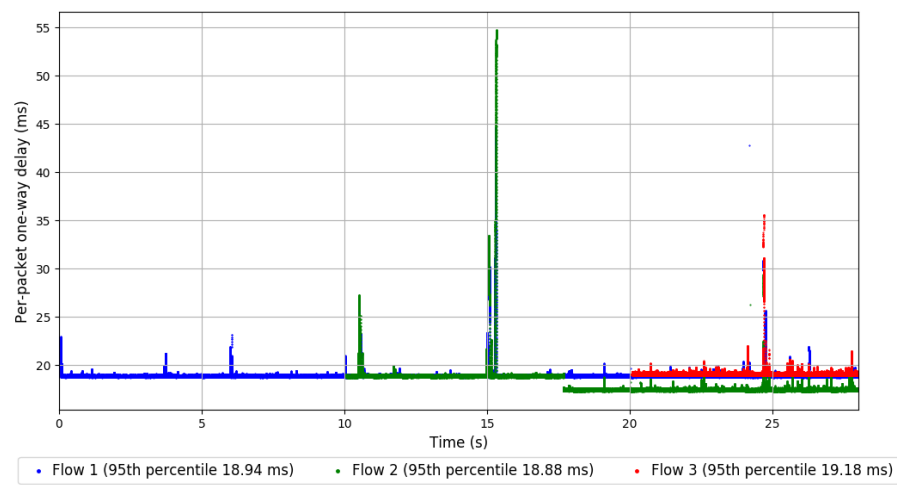
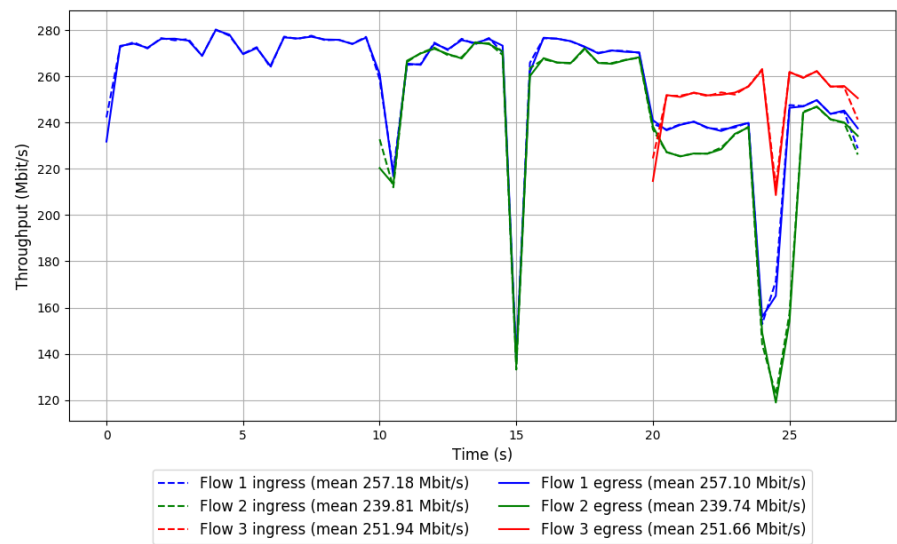


Run 7: Statistics of TaoVA-100x

Start at: 2017-12-12 01:33:23
End at: 2017-12-12 01:33:53
Local clock offset: -0.213 ms
Remote clock offset: -1.097 ms

Below is generated by plot.py at 2017-12-12 05:39:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 482.47 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 257.10 Mbit/s
95th percentile per-packet one-way delay: 18.940 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 239.74 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 251.66 Mbit/s
95th percentile per-packet one-way delay: 19.183 ms
Loss rate: 0.11%

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

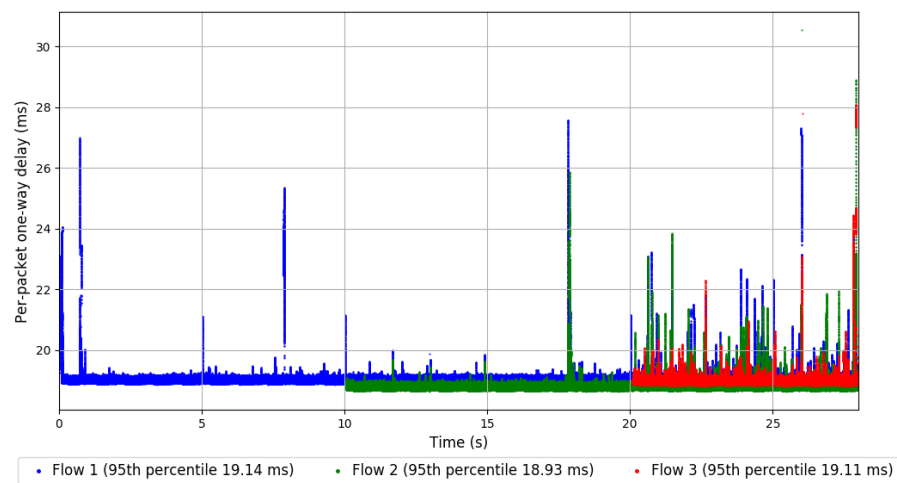
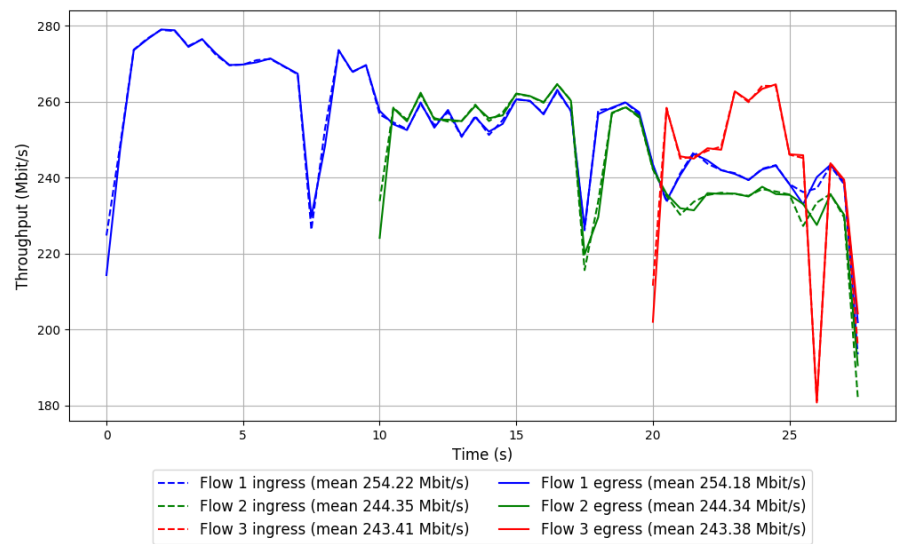


Run 8: Statistics of TaoVA-100x

Start at: 2017-12-12 01:53:30
End at: 2017-12-12 01:54:00
Local clock offset: -0.757 ms
Remote clock offset: -1.028 ms

Below is generated by plot.py at 2017-12-12 05:39:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 480.02 Mbit/s
95th percentile per-packet one-way delay: 19.122 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 254.18 Mbit/s
95th percentile per-packet one-way delay: 19.141 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 244.34 Mbit/s
95th percentile per-packet one-way delay: 18.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 243.38 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.01%

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

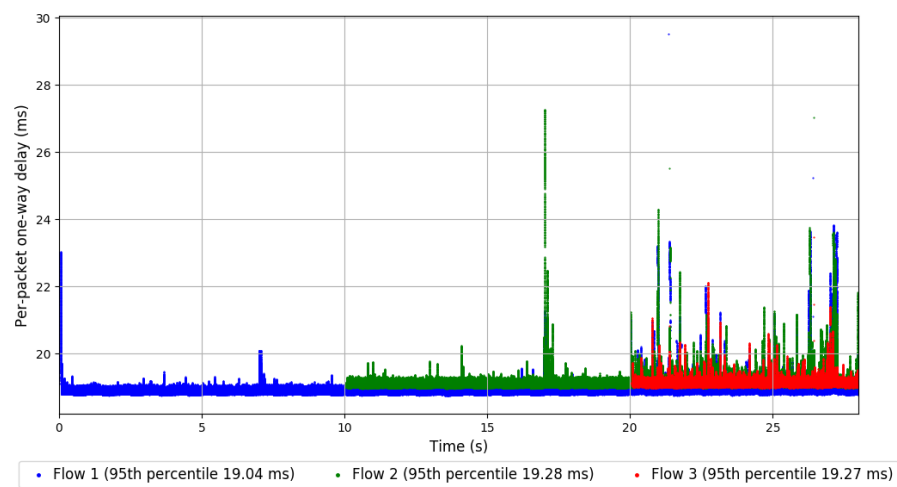
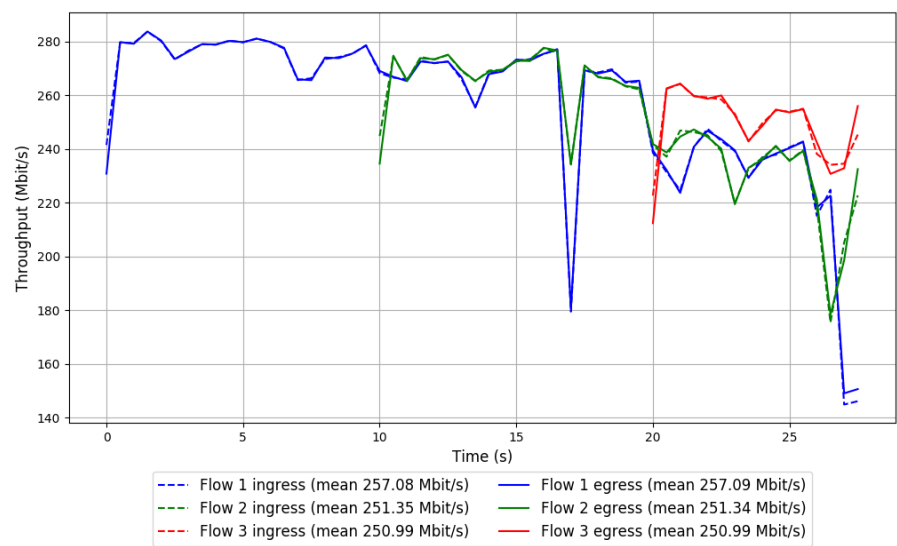


Run 9: Statistics of TaoVA-100x

Start at: 2017-12-12 02:13:41
End at: 2017-12-12 02:14:11
Local clock offset: -0.355 ms
Remote clock offset: -0.802 ms

Below is generated by plot.py at 2017-12-12 05:44:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 489.75 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 257.09 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 251.34 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 250.99 Mbit/s
95th percentile per-packet one-way delay: 19.271 ms
Loss rate: 0.01%

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

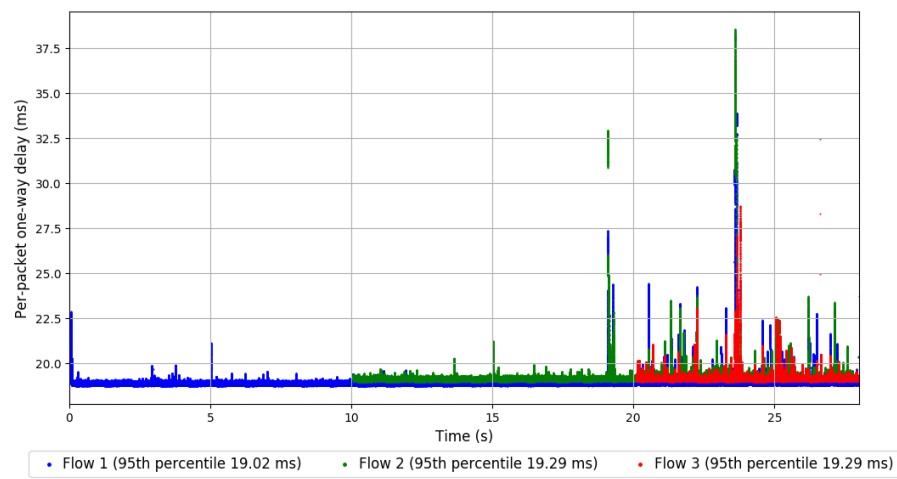
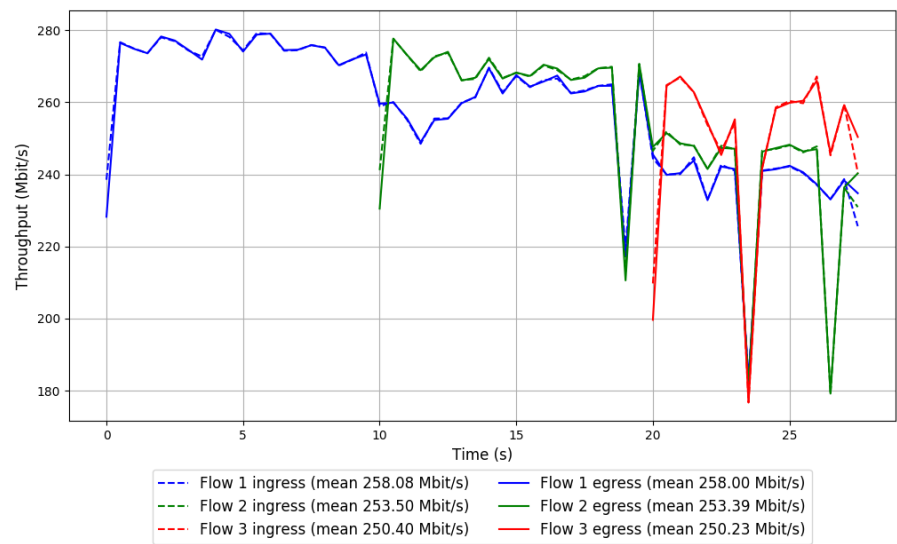


Run 10: Statistics of TaoVA-100x

Start at: 2017-12-12 02:34:04
End at: 2017-12-12 02:34:34
Local clock offset: 0.009 ms
Remote clock offset: -1.027 ms

Below is generated by plot.py at 2017-12-12 05:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 491.56 Mbit/s
95th percentile per-packet one-way delay: 19.238 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 258.00 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 253.39 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 250.23 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.01%

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

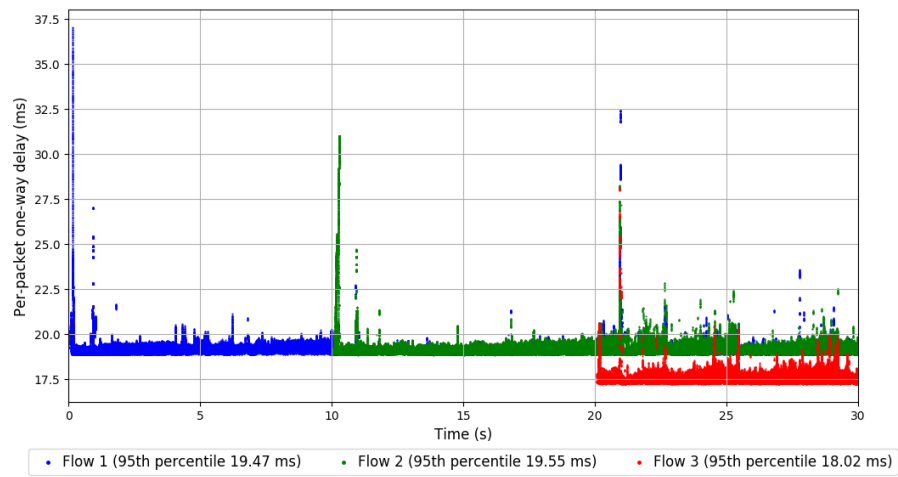
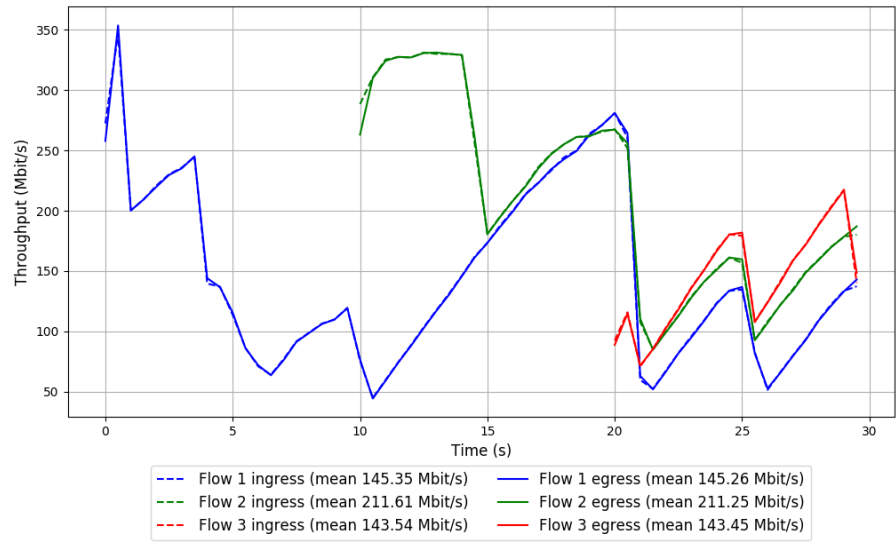


Run 1: Statistics of TCP Vegas

Start at: 2017-12-11 23:31:01
End at: 2017-12-11 23:31:31
Local clock offset: 0.226 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2017-12-12 05:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.53 Mbit/s
95th percentile per-packet one-way delay: 19.483 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 145.26 Mbit/s
95th percentile per-packet one-way delay: 19.473 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 211.25 Mbit/s
95th percentile per-packet one-way delay: 19.548 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 143.45 Mbit/s
95th percentile per-packet one-way delay: 18.024 ms
Loss rate: 0.05%

Run 1: Report of TCP Vegas — Data Link

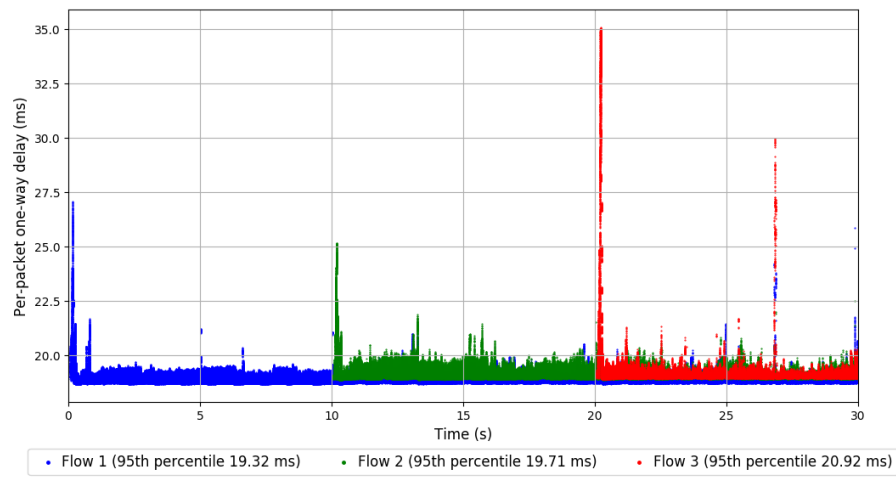
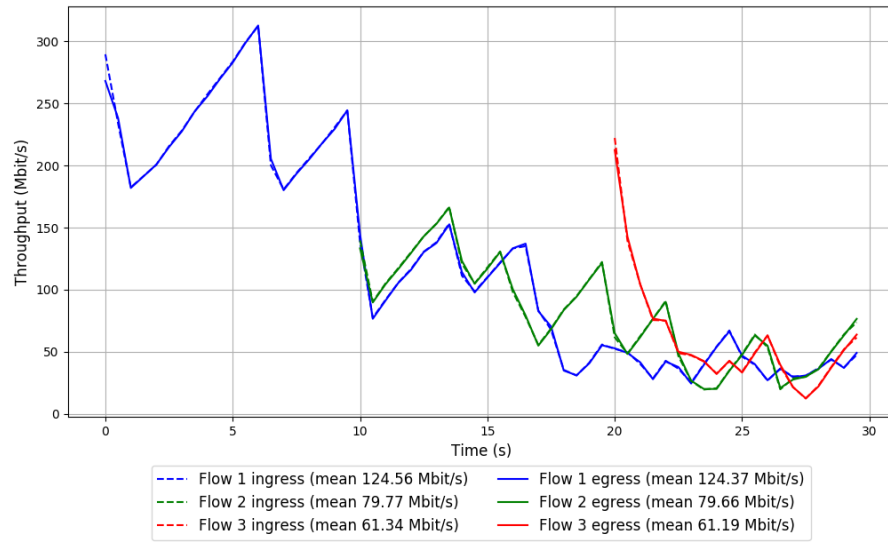


Run 2: Statistics of TCP Vegas

Start at: 2017-12-11 23:51:11
End at: 2017-12-11 23:51:41
Local clock offset: 0.291 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2017-12-12 05:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 197.72 Mbit/s
95th percentile per-packet one-way delay: 19.547 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 124.37 Mbit/s
95th percentile per-packet one-way delay: 19.316 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 79.66 Mbit/s
95th percentile per-packet one-way delay: 19.708 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 20.920 ms
Loss rate: 0.24%

Run 2: Report of TCP Vegas — Data Link

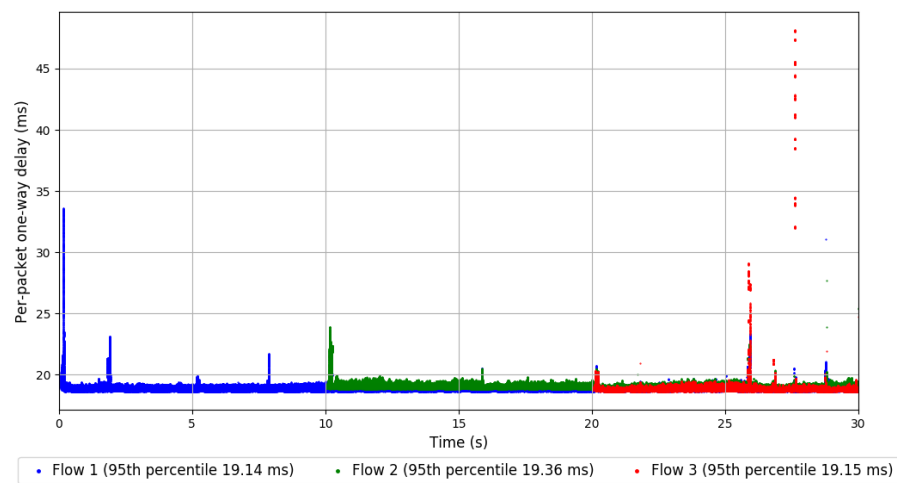
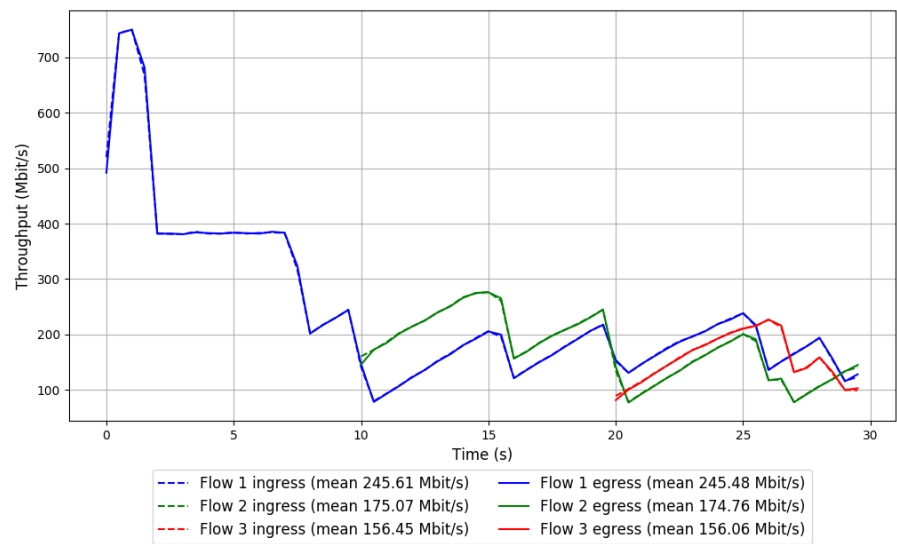


Run 3: Statistics of TCP Vegas

Start at: 2017-12-12 00:11:08
End at: 2017-12-12 00:11:38
Local clock offset: 0.41 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2017-12-12 05:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 413.67 Mbit/s
95th percentile per-packet one-way delay: 19.259 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 245.48 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 174.76 Mbit/s
95th percentile per-packet one-way delay: 19.355 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 156.06 Mbit/s
95th percentile per-packet one-way delay: 19.154 ms
Loss rate: 0.19%

Run 3: Report of TCP Vegas — Data Link

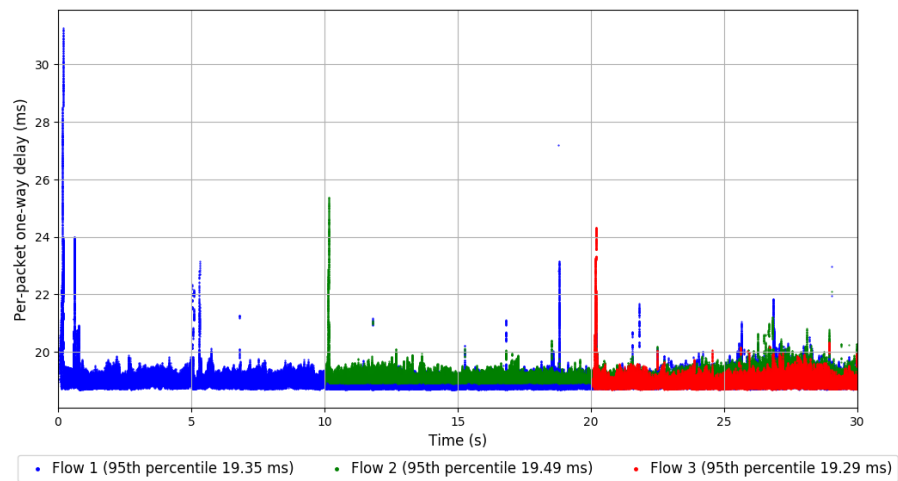
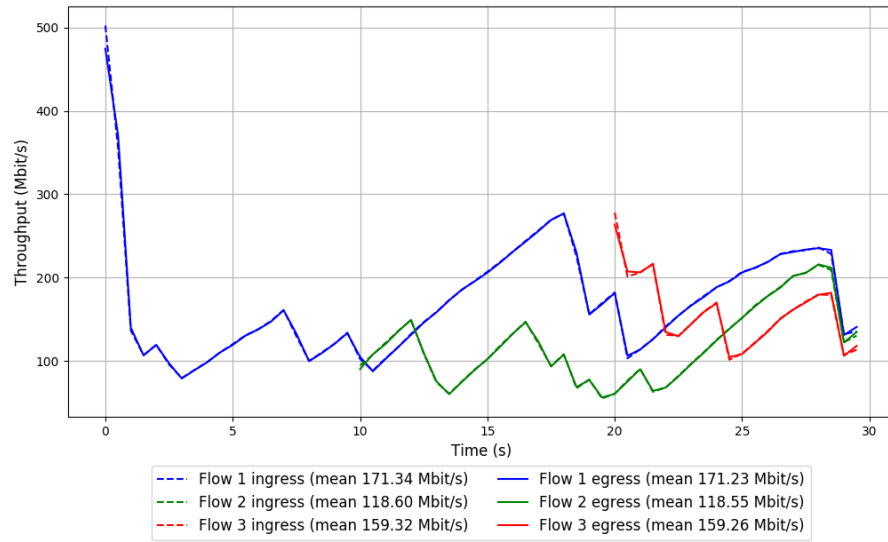


Run 4: Statistics of TCP Vegas

Start at: 2017-12-12 00:31:26
End at: 2017-12-12 00:31:56
Local clock offset: 0.161 ms
Remote clock offset: -0.791 ms

Below is generated by plot.py at 2017-12-12 05:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.12 Mbit/s
95th percentile per-packet one-way delay: 19.407 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 171.23 Mbit/s
95th percentile per-packet one-way delay: 19.351 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 118.55 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 159.26 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.03%

Run 4: Report of TCP Vegas — Data Link

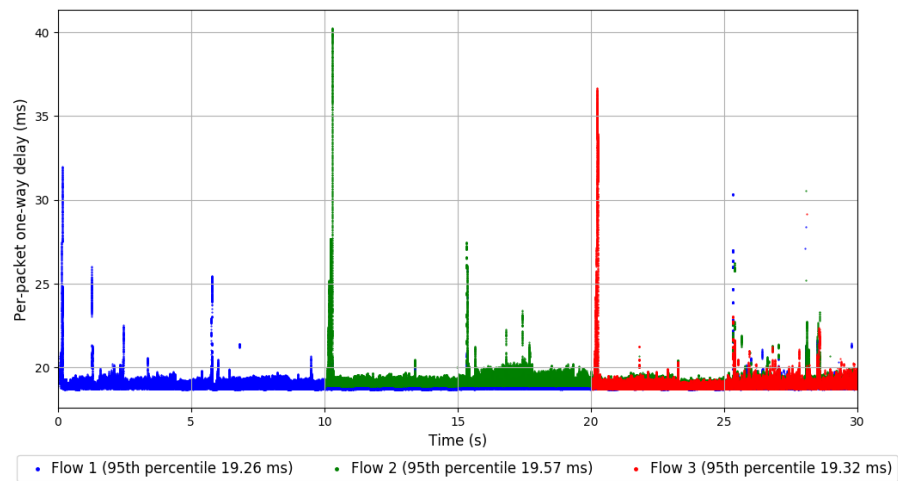
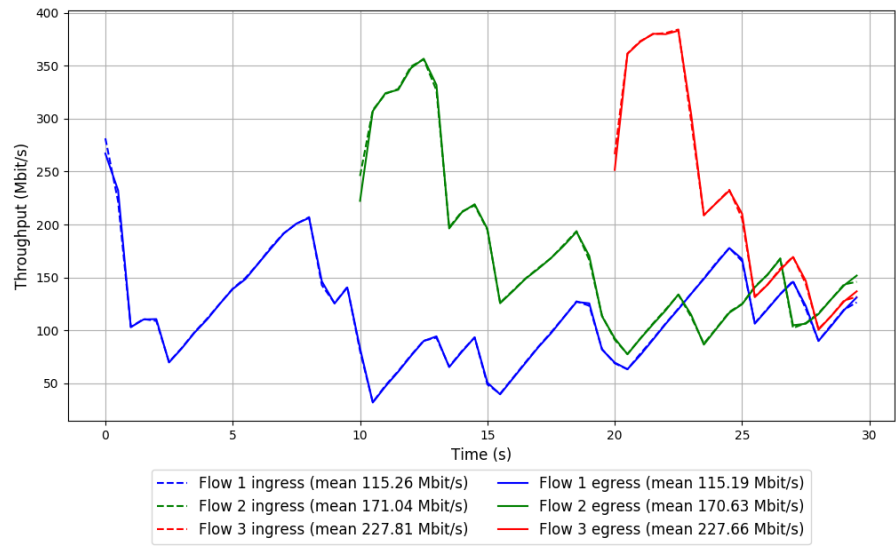


Run 5: Statistics of TCP Vegas

Start at: 2017-12-12 00:51:31
End at: 2017-12-12 00:52:01
Local clock offset: 0.112 ms
Remote clock offset: -0.959 ms

Below is generated by plot.py at 2017-12-12 05:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 304.40 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 115.19 Mbit/s
95th percentile per-packet one-way delay: 19.258 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 170.63 Mbit/s
95th percentile per-packet one-way delay: 19.569 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 227.66 Mbit/s
95th percentile per-packet one-way delay: 19.319 ms
Loss rate: 0.06%

Run 5: Report of TCP Vegas — Data Link

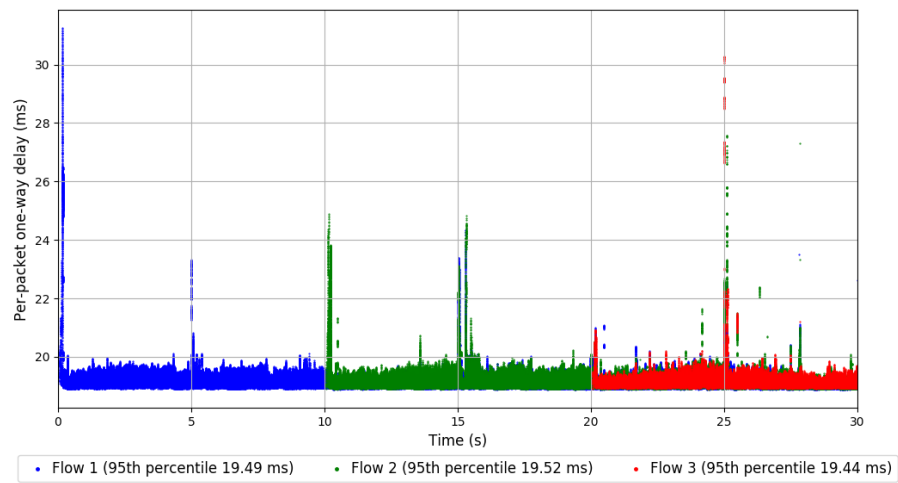
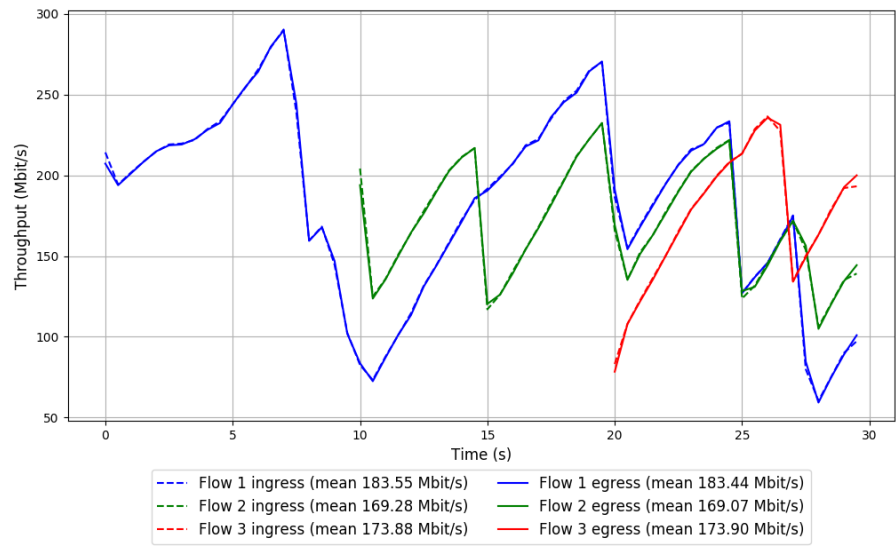


Run 6: Statistics of TCP Vegas

Start at: 2017-12-12 01:11:42
End at: 2017-12-12 01:12:12
Local clock offset: 0.096 ms
Remote clock offset: -1.231 ms

Below is generated by plot.py at 2017-12-12 05:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.69 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 183.44 Mbit/s
95th percentile per-packet one-way delay: 19.490 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 169.07 Mbit/s
95th percentile per-packet one-way delay: 19.520 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 173.90 Mbit/s
95th percentile per-packet one-way delay: 19.442 ms
Loss rate: 0.04%

Run 6: Report of TCP Vegas — Data Link

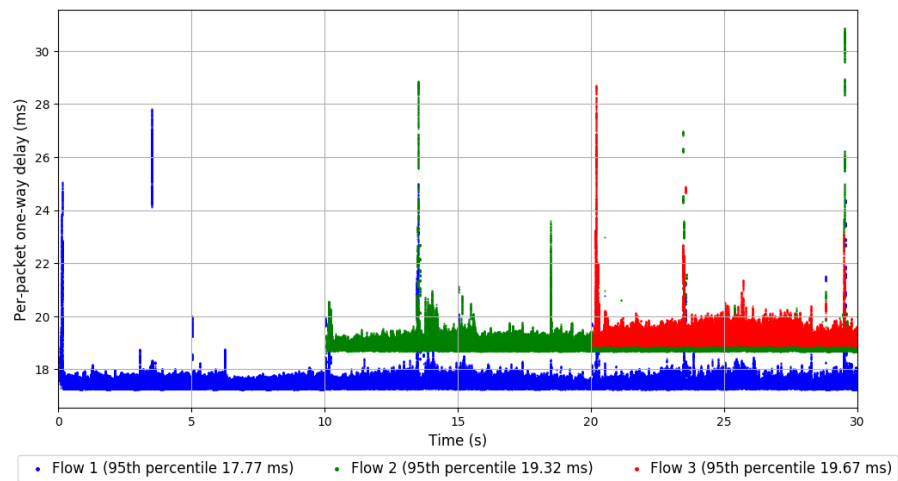
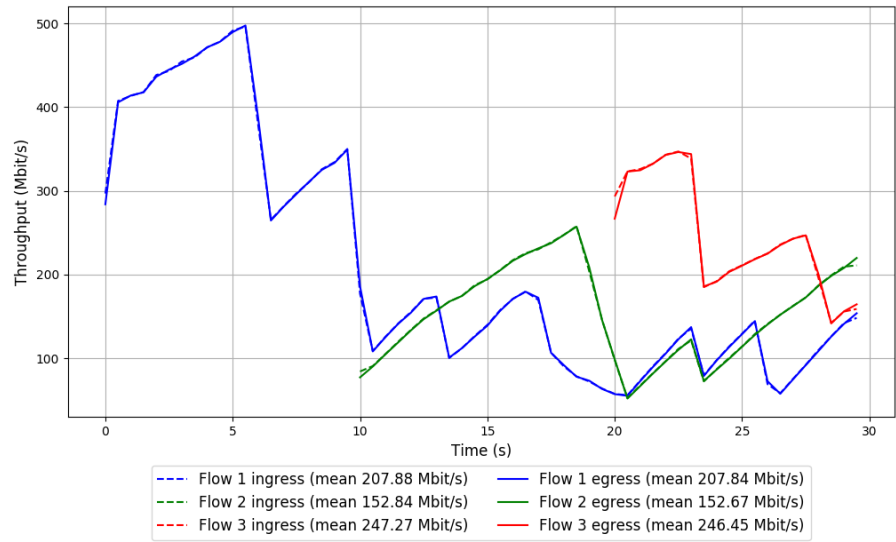


Run 7: Statistics of TCP Vegas

Start at: 2017-12-12 01:31:56
End at: 2017-12-12 01:32:26
Local clock offset: -0.275 ms
Remote clock offset: -1.193 ms

Below is generated by plot.py at 2017-12-12 05:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 391.27 Mbit/s
95th percentile per-packet one-way delay: 19.421 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 207.84 Mbit/s
95th percentile per-packet one-way delay: 17.769 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 152.67 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 246.45 Mbit/s
95th percentile per-packet one-way delay: 19.667 ms
Loss rate: 0.33%

Run 7: Report of TCP Vegas — Data Link

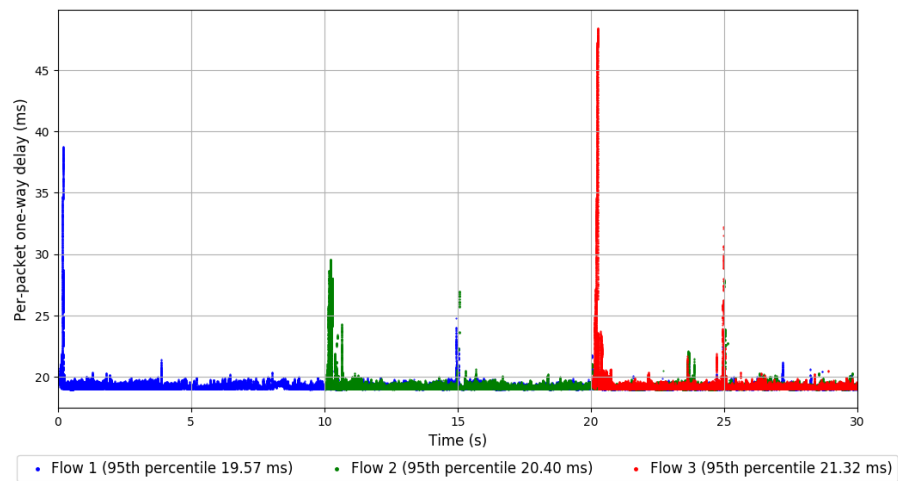
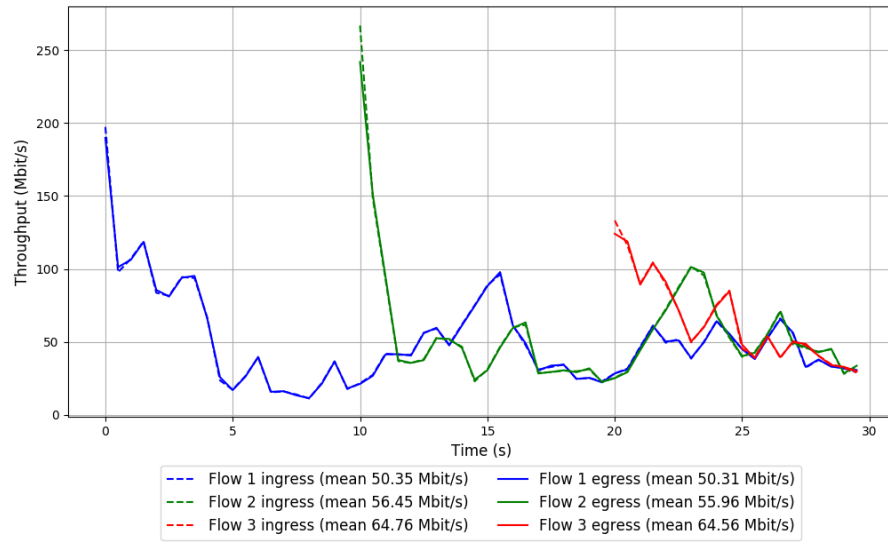


Run 8: Statistics of TCP Vegas

Start at: 2017-12-12 01:52:15
End at: 2017-12-12 01:52:45
Local clock offset: -0.719 ms
Remote clock offset: -0.957 ms

Below is generated by plot.py at 2017-12-12 05:44:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 109.00 Mbit/s
95th percentile per-packet one-way delay: 19.788 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 19.568 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 20.403 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 64.56 Mbit/s
95th percentile per-packet one-way delay: 21.315 ms
Loss rate: 0.30%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-12-12 02:12:15

End at: 2017-12-12 02:12:45

Local clock offset: -0.39 ms

Remote clock offset: -0.88 ms

Below is generated by plot.py at 2017-12-12 05:44:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 378.20 Mbit/s

95th percentile per-packet one-way delay: 19.505 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 175.99 Mbit/s

95th percentile per-packet one-way delay: 19.481 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 192.61 Mbit/s

95th percentile per-packet one-way delay: 17.833 ms

Loss rate: 0.02%

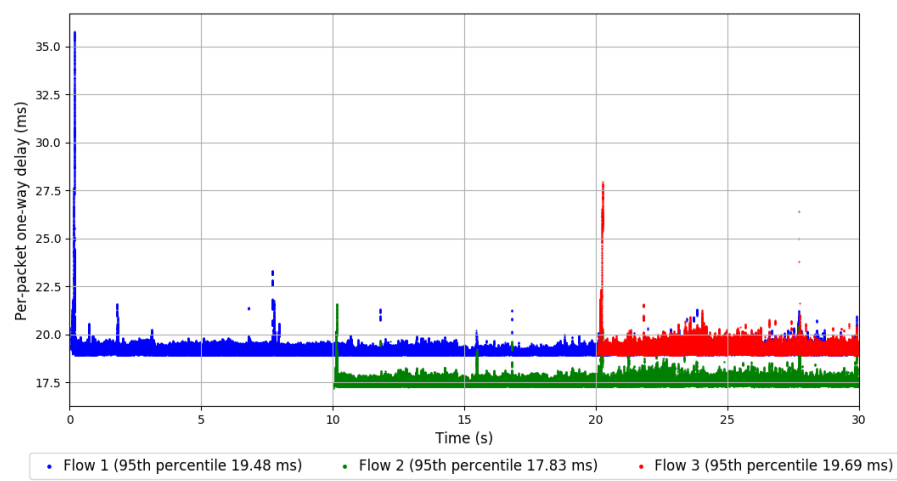
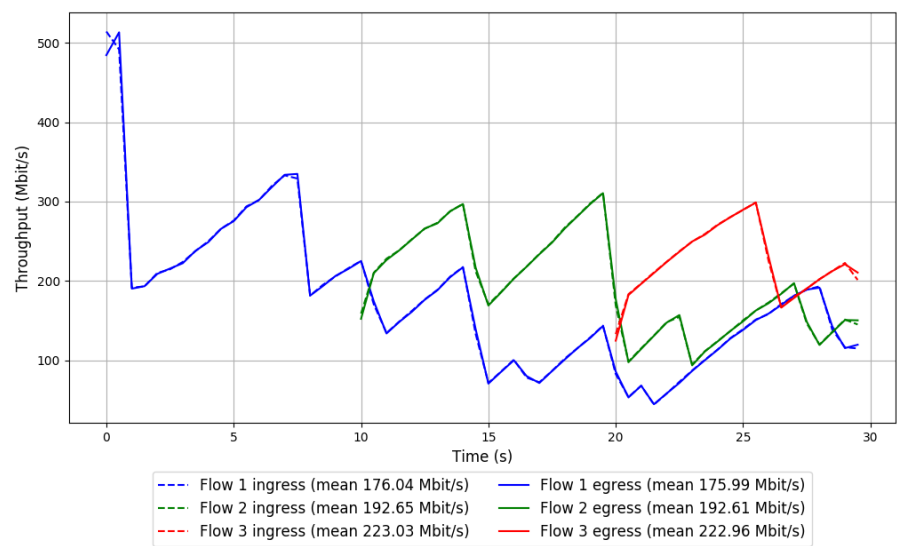
-- Flow 3:

Average throughput: 222.96 Mbit/s

95th percentile per-packet one-way delay: 19.690 ms

Loss rate: 0.04%

Run 9: Report of TCP Vegas — Data Link

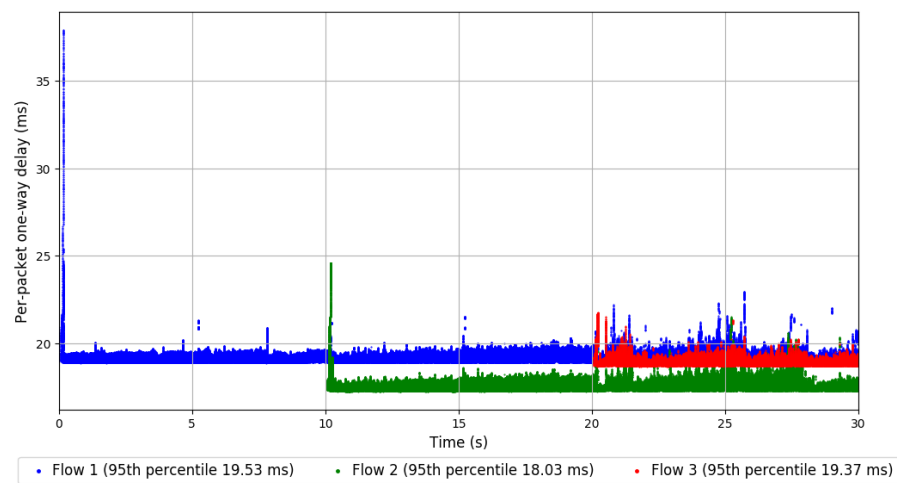
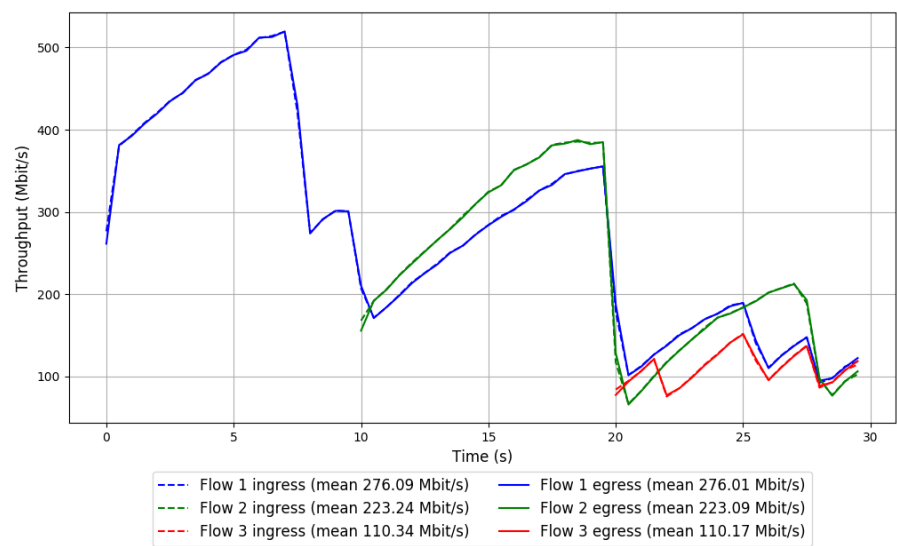


Run 10: Statistics of TCP Vegas

Start at: 2017-12-12 02:32:35
End at: 2017-12-12 02:33:05
Local clock offset: -0.048 ms
Remote clock offset: -1.055 ms

Below is generated by plot.py at 2017-12-12 05:46:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 461.16 Mbit/s
95th percentile per-packet one-way delay: 19.473 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 276.01 Mbit/s
95th percentile per-packet one-way delay: 19.533 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 223.09 Mbit/s
95th percentile per-packet one-way delay: 18.033 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 110.17 Mbit/s
95th percentile per-packet one-way delay: 19.368 ms
Loss rate: 0.16%

Run 10: Report of TCP Vegas — Data Link

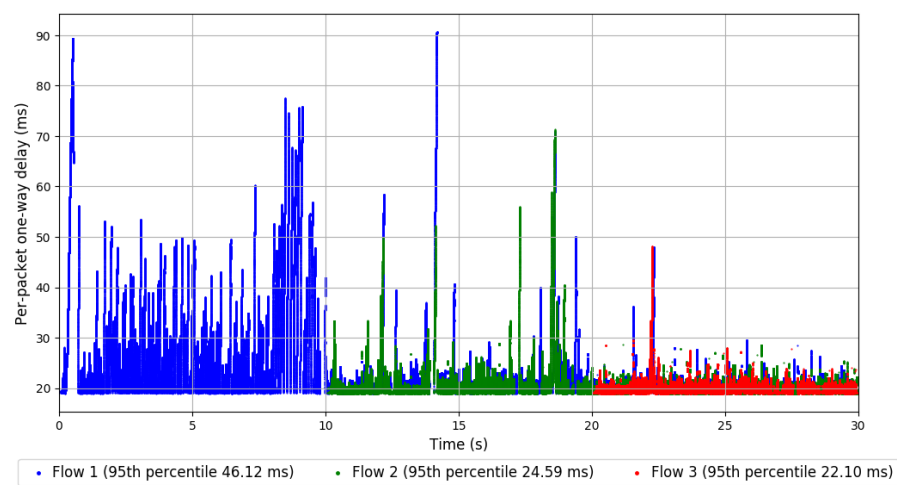
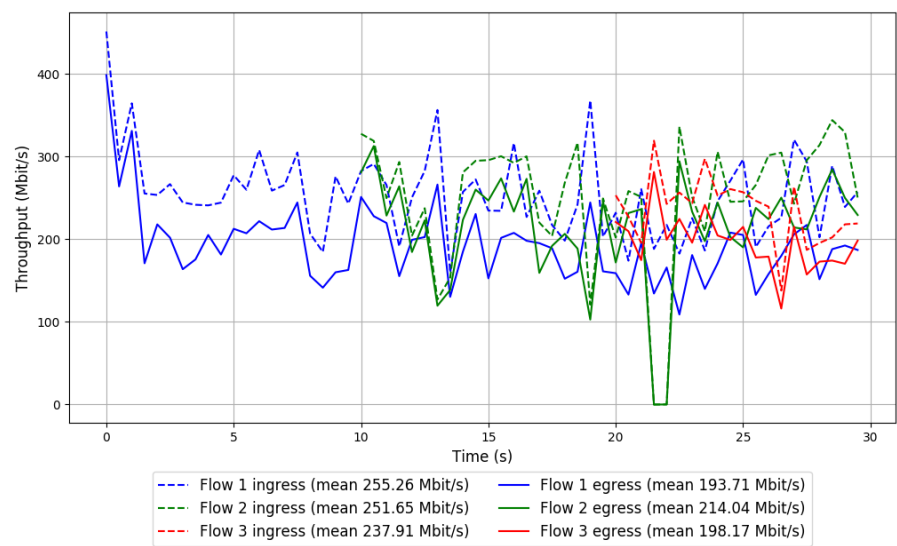


Run 1: Statistics of Verus

Start at: 2017-12-11 23:35:45
End at: 2017-12-11 23:36:15
Local clock offset: 0.152 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2017-12-12 05:46:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.28 Mbit/s
95th percentile per-packet one-way delay: 36.209 ms
Loss rate: 19.89%
-- Flow 1:
Average throughput: 193.71 Mbit/s
95th percentile per-packet one-way delay: 46.123 ms
Loss rate: 24.11%
-- Flow 2:
Average throughput: 214.04 Mbit/s
95th percentile per-packet one-way delay: 24.589 ms
Loss rate: 14.95%
-- Flow 3:
Average throughput: 198.17 Mbit/s
95th percentile per-packet one-way delay: 22.102 ms
Loss rate: 16.70%

Run 1: Report of Verus — Data Link

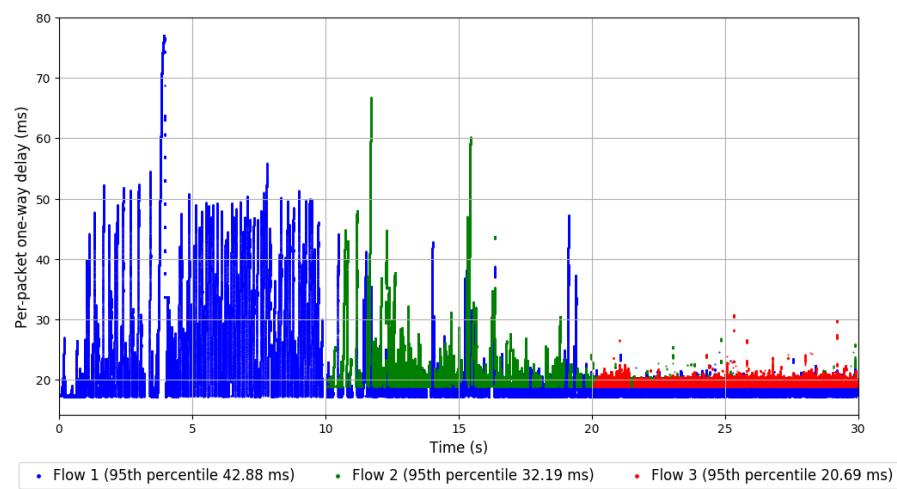
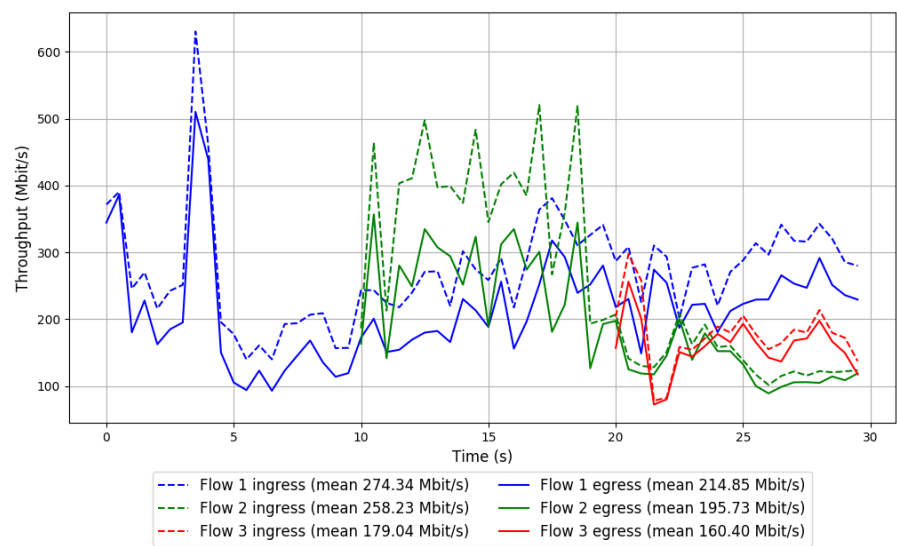


Run 2: Statistics of Verus

Start at: 2017-12-11 23:55:52
End at: 2017-12-11 23:56:22
Local clock offset: 0.41 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2017-12-12 05:46:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.00 Mbit/s
95th percentile per-packet one-way delay: 36.637 ms
Loss rate: 21.22%
-- Flow 1:
Average throughput: 214.85 Mbit/s
95th percentile per-packet one-way delay: 42.885 ms
Loss rate: 21.68%
-- Flow 2:
Average throughput: 195.73 Mbit/s
95th percentile per-packet one-way delay: 32.185 ms
Loss rate: 24.20%
-- Flow 3:
Average throughput: 160.40 Mbit/s
95th percentile per-packet one-way delay: 20.690 ms
Loss rate: 10.41%

Run 2: Report of Verus — Data Link

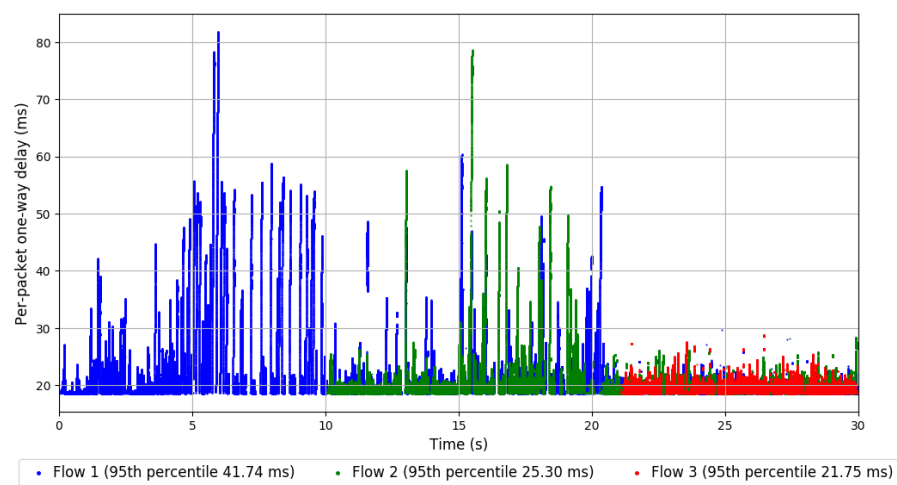
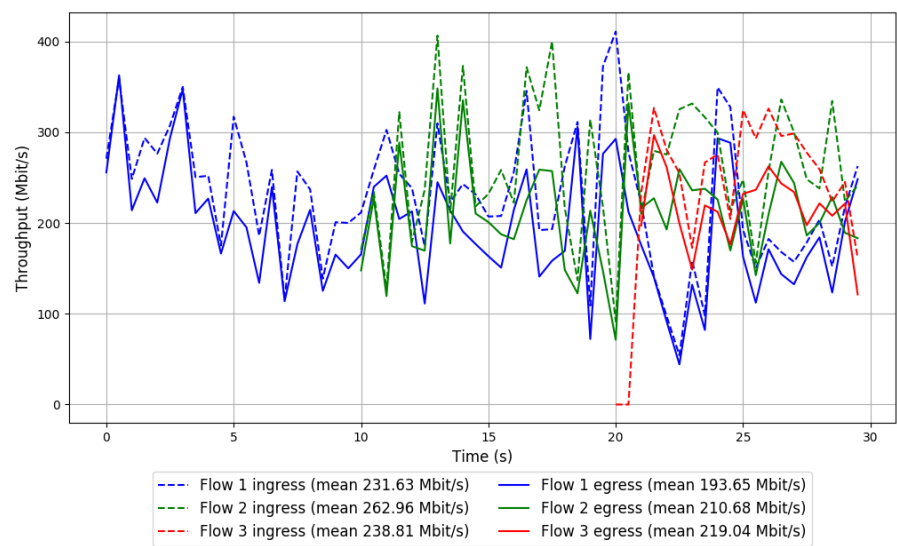


Run 3: Statistics of Verus

Start at: 2017-12-12 00:15:59
End at: 2017-12-12 00:16:29
Local clock offset: 0.39 ms
Remote clock offset: -0.664 ms

Below is generated by plot.py at 2017-12-12 05:48:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.72 Mbit/s
95th percentile per-packet one-way delay: 32.775 ms
Loss rate: 17.83%
-- Flow 1:
Average throughput: 193.65 Mbit/s
95th percentile per-packet one-way delay: 41.737 ms
Loss rate: 16.40%
-- Flow 2:
Average throughput: 210.68 Mbit/s
95th percentile per-packet one-way delay: 25.302 ms
Loss rate: 19.85%
-- Flow 3:
Average throughput: 219.04 Mbit/s
95th percentile per-packet one-way delay: 21.745 ms
Loss rate: 17.57%

Run 3: Report of Verus — Data Link

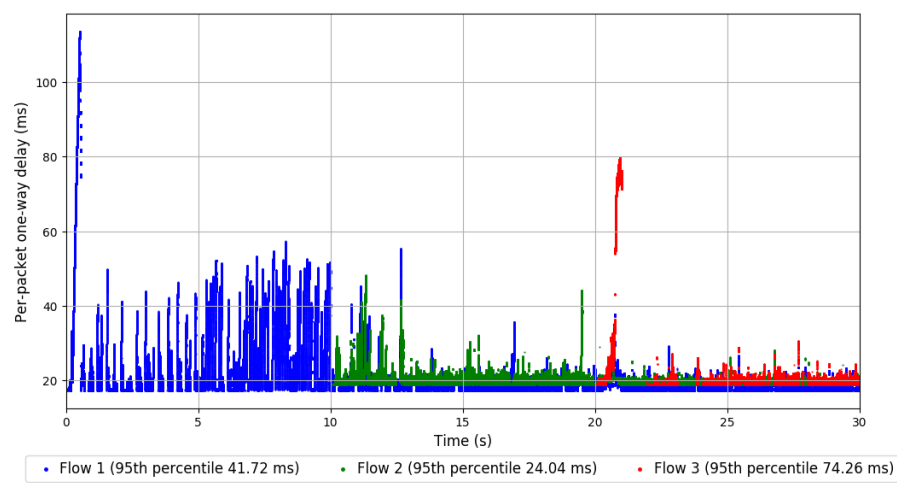
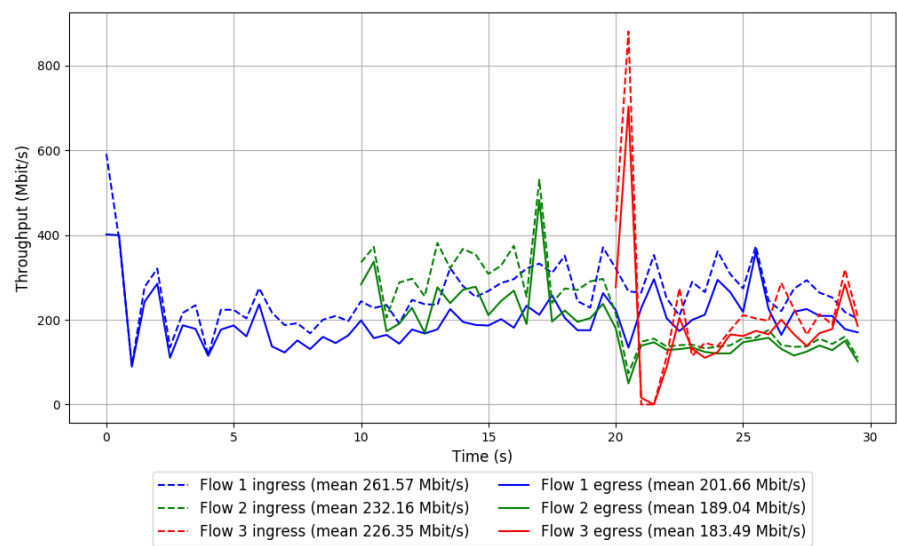


Run 4: Statistics of Verus

Start at: 2017-12-12 00:36:11
End at: 2017-12-12 00:36:41
Local clock offset: 0.126 ms
Remote clock offset: -0.753 ms

Below is generated by plot.py at 2017-12-12 05:49:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.09 Mbit/s
95th percentile per-packet one-way delay: 38.224 ms
Loss rate: 20.93%
-- Flow 1:
Average throughput: 201.66 Mbit/s
95th percentile per-packet one-way delay: 41.719 ms
Loss rate: 22.90%
-- Flow 2:
Average throughput: 189.04 Mbit/s
95th percentile per-packet one-way delay: 24.037 ms
Loss rate: 18.57%
-- Flow 3:
Average throughput: 183.49 Mbit/s
95th percentile per-packet one-way delay: 74.258 ms
Loss rate: 18.92%

Run 4: Report of Verus — Data Link

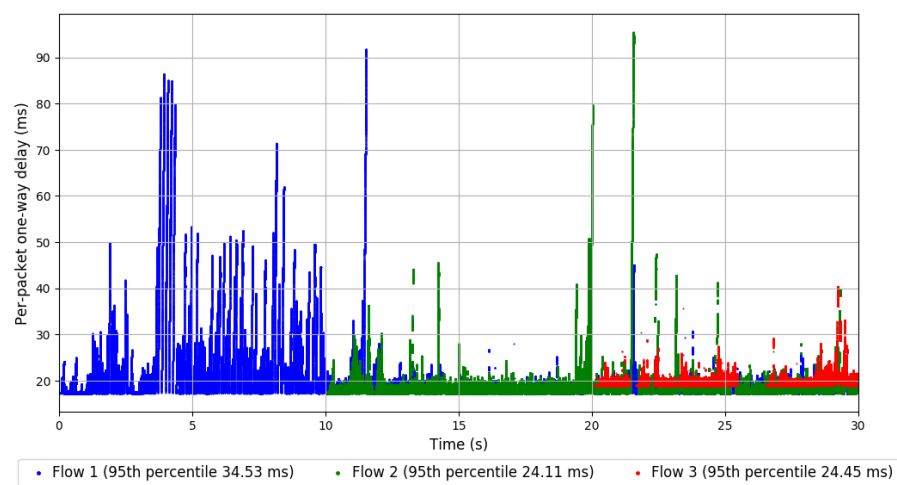
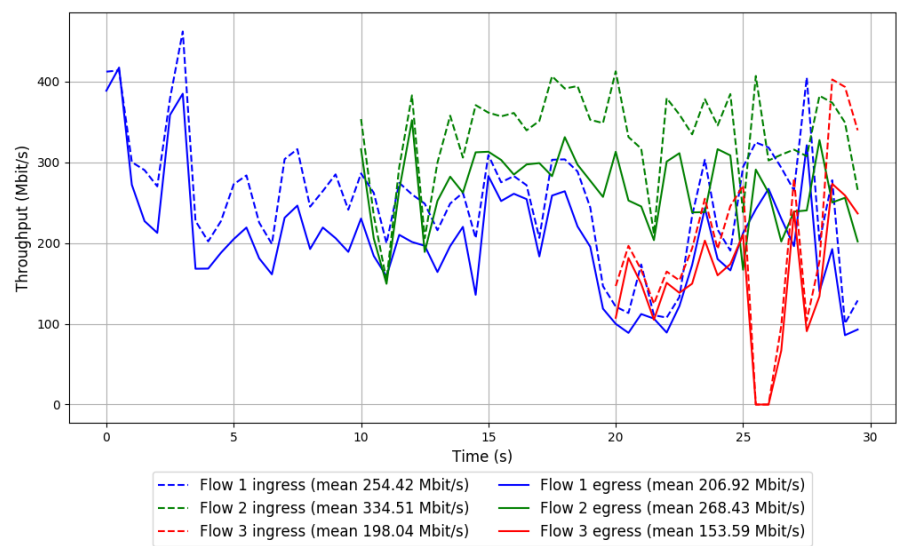


Run 5: Statistics of Verus

Start at: 2017-12-12 00:56:19
End at: 2017-12-12 00:56:49
Local clock offset: 0.225 ms
Remote clock offset: -1.054 ms

Below is generated by plot.py at 2017-12-12 05:50:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 436.17 Mbit/s
95th percentile per-packet one-way delay: 28.576 ms
Loss rate: 19.57%
-- Flow 1:
Average throughput: 206.92 Mbit/s
95th percentile per-packet one-way delay: 34.530 ms
Loss rate: 18.67%
-- Flow 2:
Average throughput: 268.43 Mbit/s
95th percentile per-packet one-way delay: 24.106 ms
Loss rate: 19.75%
-- Flow 3:
Average throughput: 153.59 Mbit/s
95th percentile per-packet one-way delay: 24.455 ms
Loss rate: 22.43%

Run 5: Report of Verus — Data Link

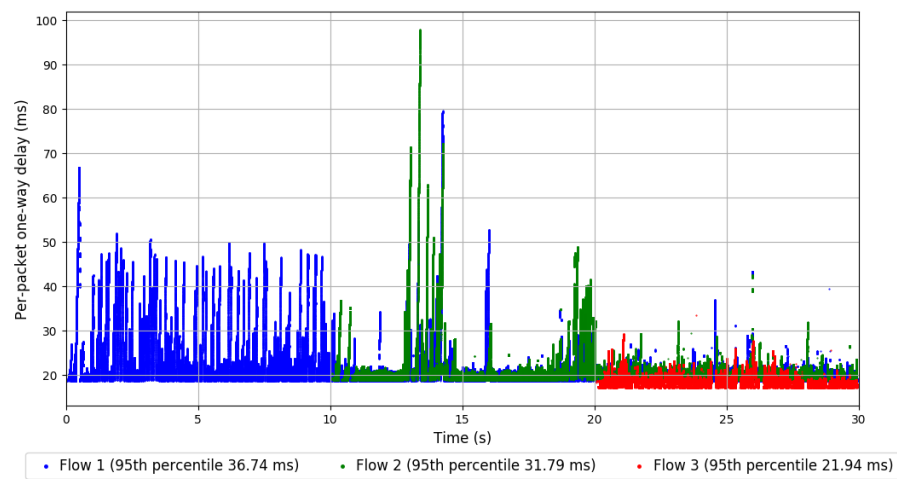
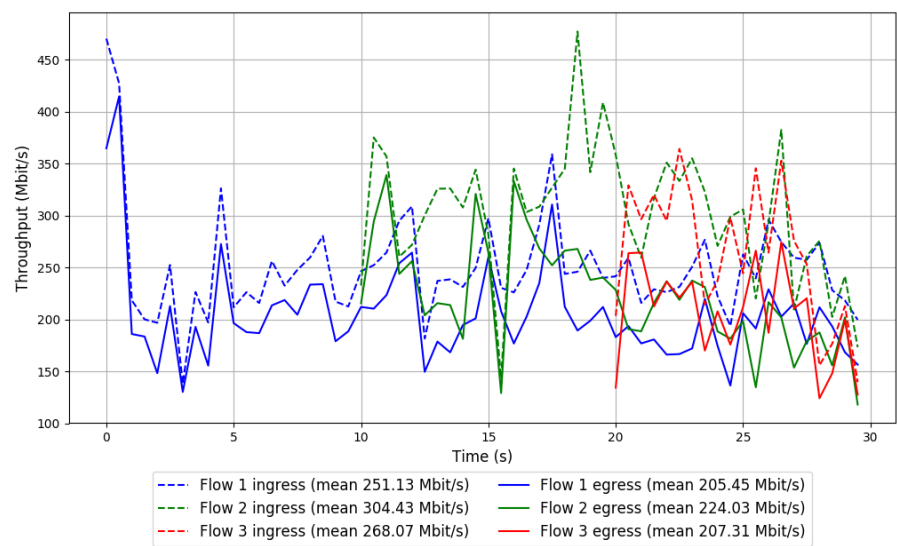


Run 6: Statistics of Verus

Start at: 2017-12-12 01:16:29
End at: 2017-12-12 01:16:59
Local clock offset: 0.028 ms
Remote clock offset: -1.207 ms

Below is generated by plot.py at 2017-12-12 05:51:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 422.70 Mbit/s
95th percentile per-packet one-way delay: 32.522 ms
Loss rate: 21.99%
-- Flow 1:
Average throughput: 205.45 Mbit/s
95th percentile per-packet one-way delay: 36.738 ms
Loss rate: 18.19%
-- Flow 2:
Average throughput: 224.03 Mbit/s
95th percentile per-packet one-way delay: 31.789 ms
Loss rate: 26.41%
-- Flow 3:
Average throughput: 207.31 Mbit/s
95th percentile per-packet one-way delay: 21.942 ms
Loss rate: 22.67%

Run 6: Report of Verus — Data Link

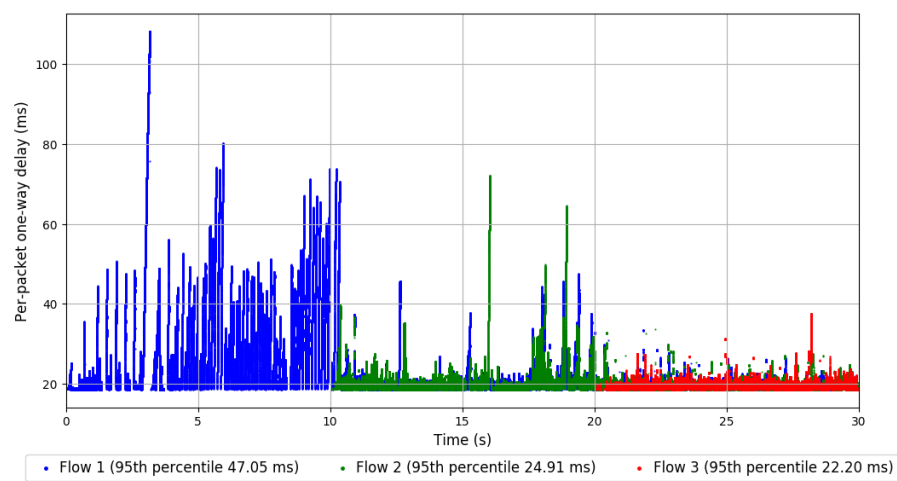
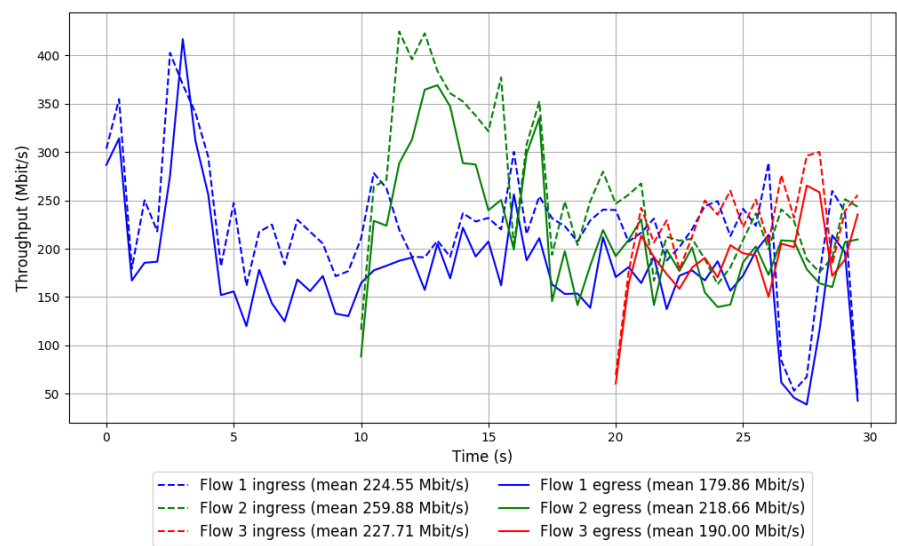


Run 7: Statistics of Verus

Start at: 2017-12-12 01:36:47
End at: 2017-12-12 01:37:17
Local clock offset: -0.284 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2017-12-12 05:51:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.40 Mbit/s
95th percentile per-packet one-way delay: 38.675 ms
Loss rate: 17.89%
-- Flow 1:
Average throughput: 179.86 Mbit/s
95th percentile per-packet one-way delay: 47.048 ms
Loss rate: 19.90%
-- Flow 2:
Average throughput: 218.66 Mbit/s
95th percentile per-packet one-way delay: 24.907 ms
Loss rate: 15.86%
-- Flow 3:
Average throughput: 190.00 Mbit/s
95th percentile per-packet one-way delay: 22.195 ms
Loss rate: 16.57%

Run 7: Report of Verus — Data Link

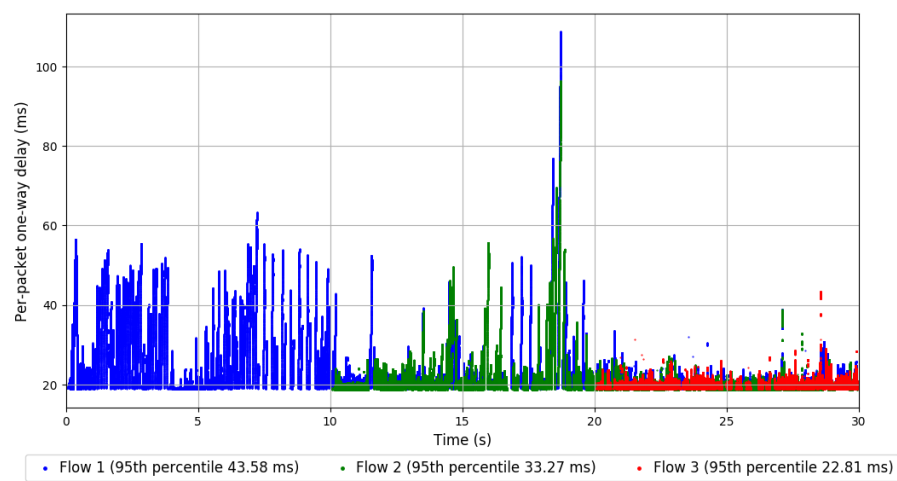
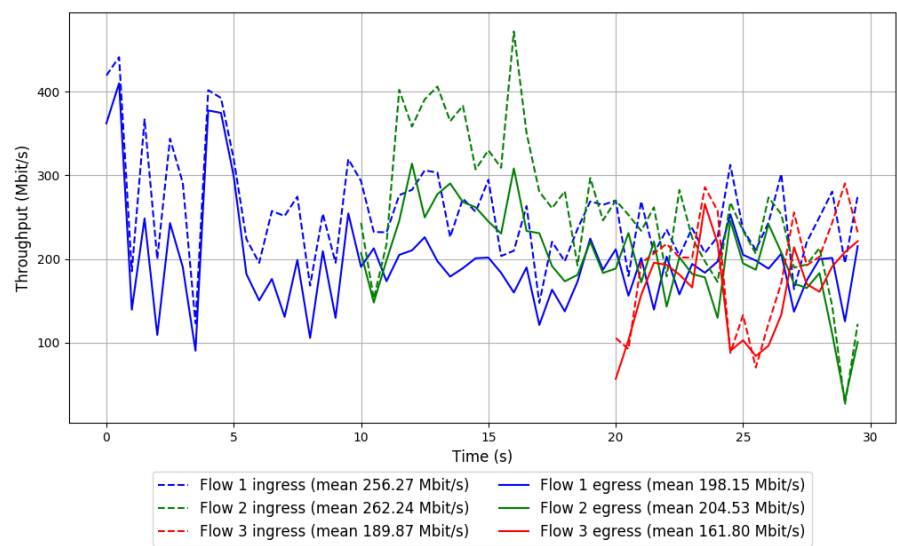


Run 8: Statistics of Verus

Start at: 2017-12-12 01:56:52
End at: 2017-12-12 01:57:22
Local clock offset: -0.727 ms
Remote clock offset: -0.942 ms

Below is generated by plot.py at 2017-12-12 05:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.60 Mbit/s
95th percentile per-packet one-way delay: 38.127 ms
Loss rate: 21.43%
-- Flow 1:
Average throughput: 198.15 Mbit/s
95th percentile per-packet one-way delay: 43.575 ms
Loss rate: 22.68%
-- Flow 2:
Average throughput: 204.53 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 22.00%
-- Flow 3:
Average throughput: 161.80 Mbit/s
95th percentile per-packet one-way delay: 22.807 ms
Loss rate: 14.77%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-12-12 02:17:05

End at: 2017-12-12 02:17:35

Local clock offset: -0.309 ms

Remote clock offset: -0.94 ms

Below is generated by plot.py at 2017-12-12 05:52:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 378.99 Mbit/s

95th percentile per-packet one-way delay: 32.362 ms

Loss rate: 21.80%

-- Flow 1:

Average throughput: 168.76 Mbit/s

95th percentile per-packet one-way delay: 32.762 ms

Loss rate: 19.55%

-- Flow 2:

Average throughput: 223.88 Mbit/s

95th percentile per-packet one-way delay: 37.606 ms

Loss rate: 24.47%

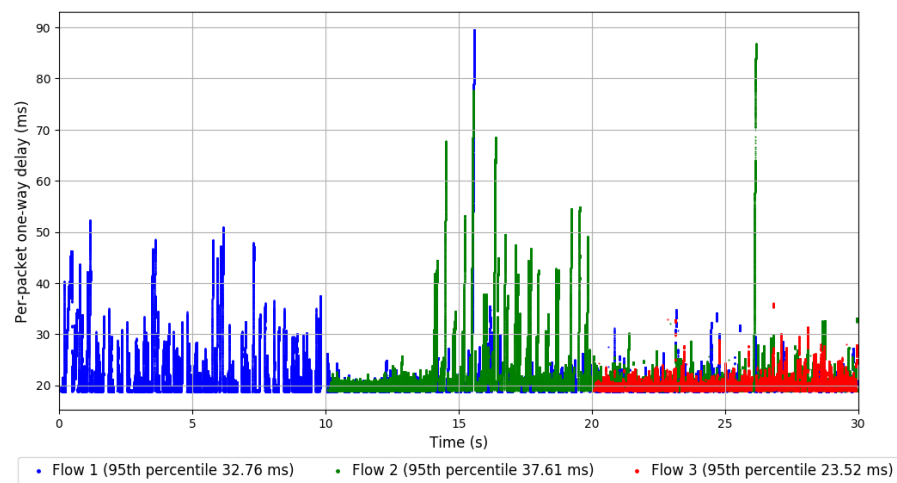
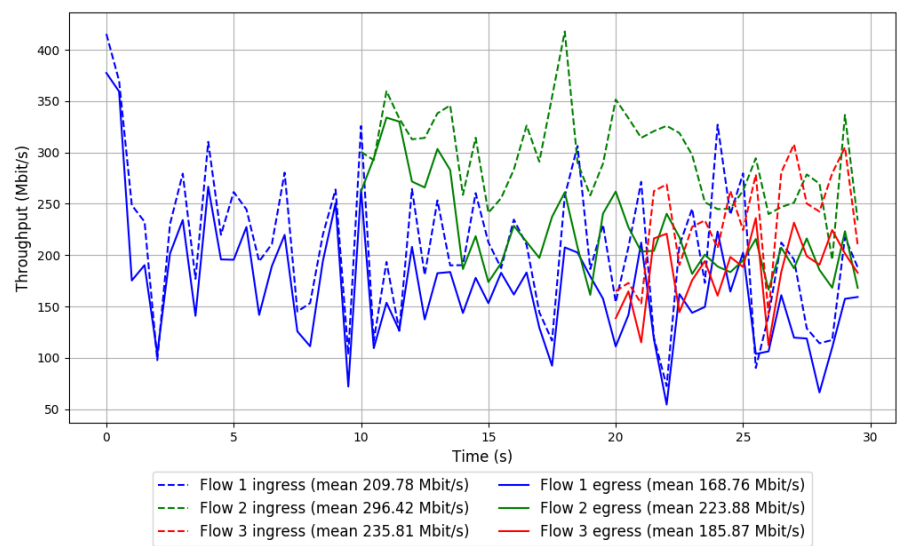
-- Flow 3:

Average throughput: 185.87 Mbit/s

95th percentile per-packet one-way delay: 23.523 ms

Loss rate: 21.13%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-12-12 02:37:28

End at: 2017-12-12 02:37:58

Local clock offset: 0.077 ms

Remote clock offset: -1.15 ms

Below is generated by plot.py at 2017-12-12 05:53:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.86 Mbit/s

95th percentile per-packet one-way delay: 28.569 ms

Loss rate: 16.95%

-- Flow 1:

Average throughput: 205.08 Mbit/s

95th percentile per-packet one-way delay: 36.811 ms

Loss rate: 17.46%

-- Flow 2:

Average throughput: 227.88 Mbit/s

95th percentile per-packet one-way delay: 23.053 ms

Loss rate: 15.35%

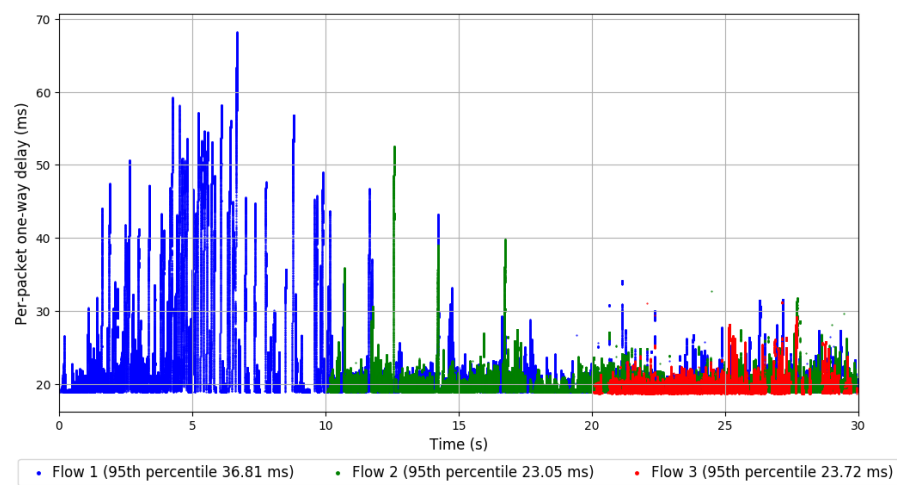
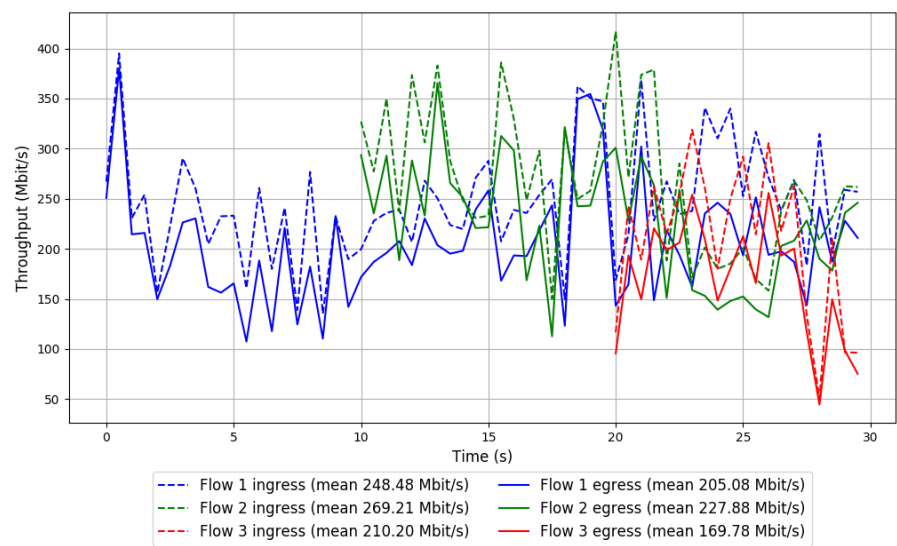
-- Flow 3:

Average throughput: 169.78 Mbit/s

95th percentile per-packet one-way delay: 23.716 ms

Loss rate: 19.23%

Run 10: Report of Verus — Data Link

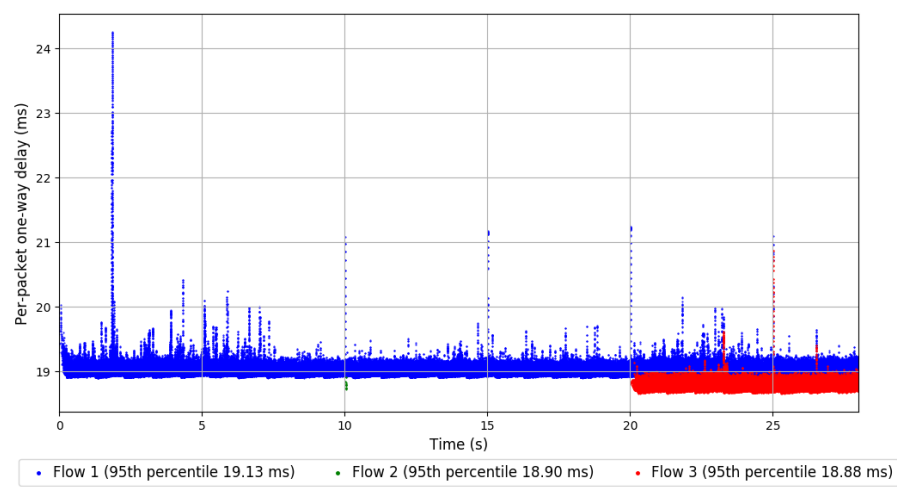
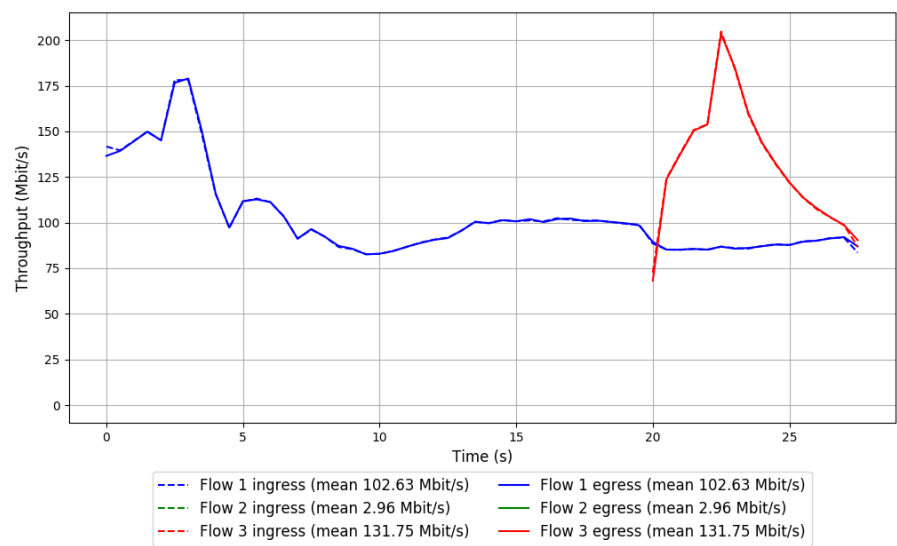


Run 1: Statistics of Copa

Start at: 2017-12-11 23:23:12
End at: 2017-12-11 23:23:42
Local clock offset: 0.197 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2017-12-12 05:53:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.07 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.63 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.96 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.75 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

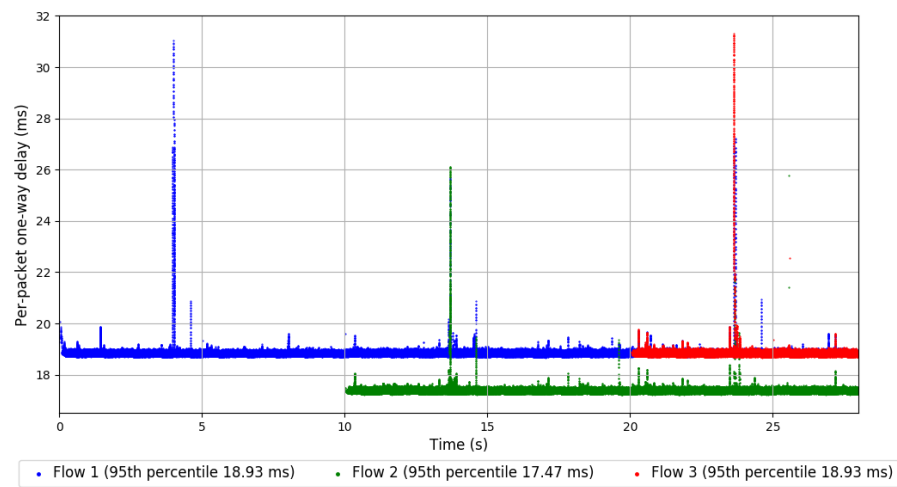
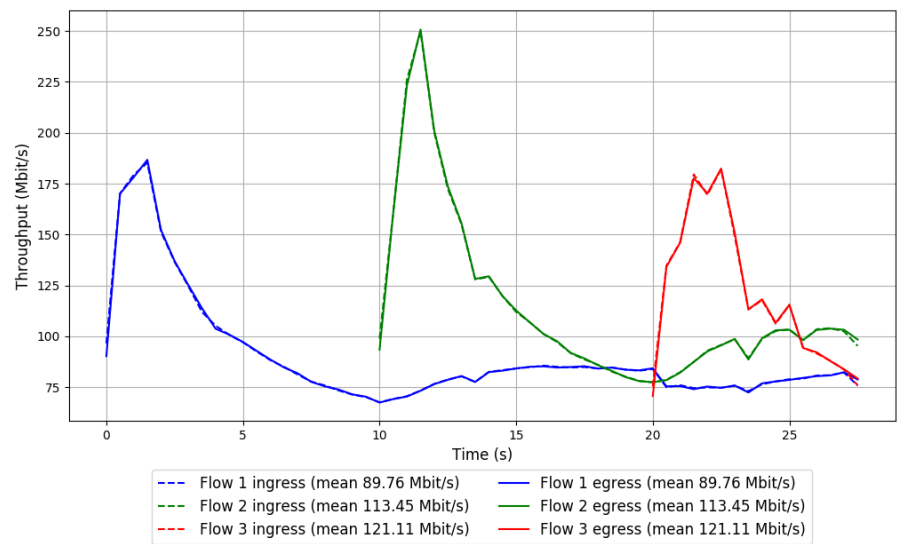


Run 2: Statistics of Copa

Start at: 2017-12-11 23:43:16
End at: 2017-12-11 23:43:46
Local clock offset: 0.249 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2017-12-12 05:53:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 197.00 Mbit/s
95th percentile per-packet one-way delay: 18.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 18.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 113.45 Mbit/s
95th percentile per-packet one-way delay: 17.471 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.11 Mbit/s
95th percentile per-packet one-way delay: 18.929 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

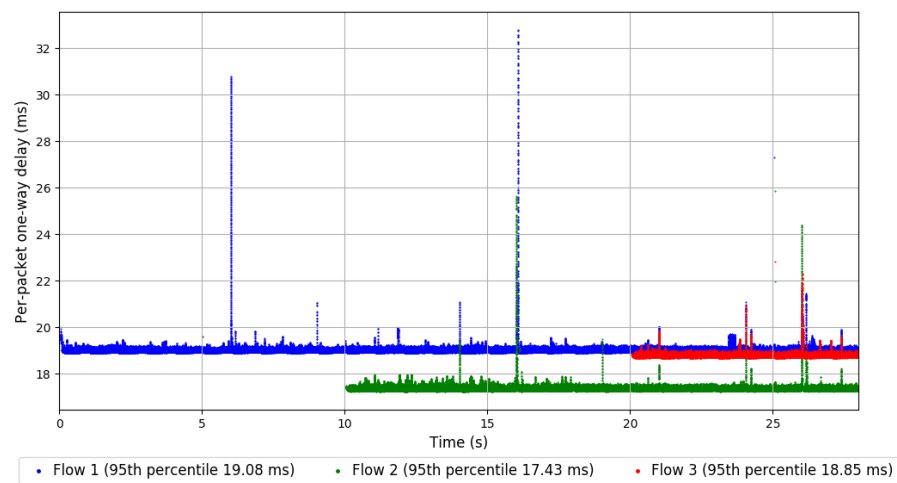
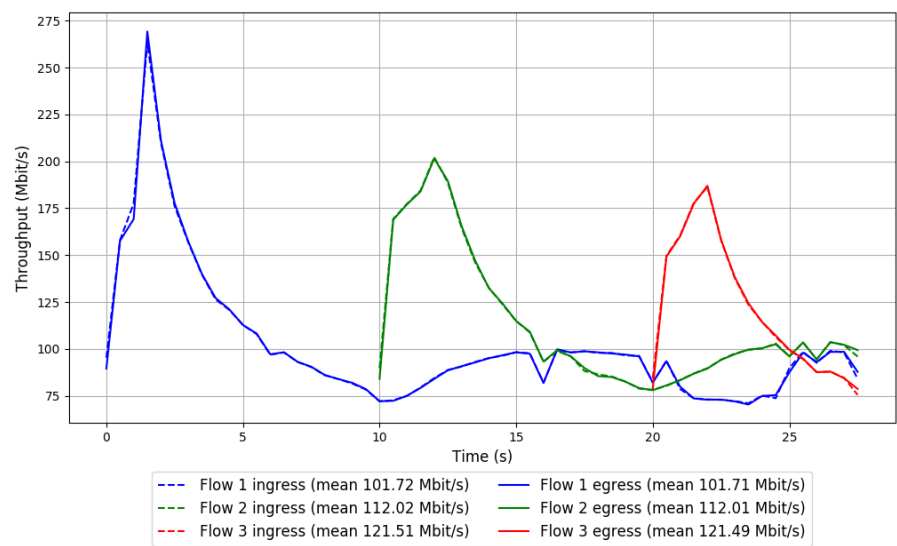


Run 3: Statistics of Copa

Start at: 2017-12-12 00:03:14
End at: 2017-12-12 00:03:44
Local clock offset: 0.434 ms
Remote clock offset: -0.356 ms

```
# Below is generated by plot.py at 2017-12-12 05:55:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 208.04 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 101.71 Mbit/s
95th percentile per-packet one-way delay: 19.077 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 112.01 Mbit/s
95th percentile per-packet one-way delay: 17.426 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.49 Mbit/s
95th percentile per-packet one-way delay: 18.852 ms
Loss rate: 0.02%
```


Run 3: Report of Copa — Data Link

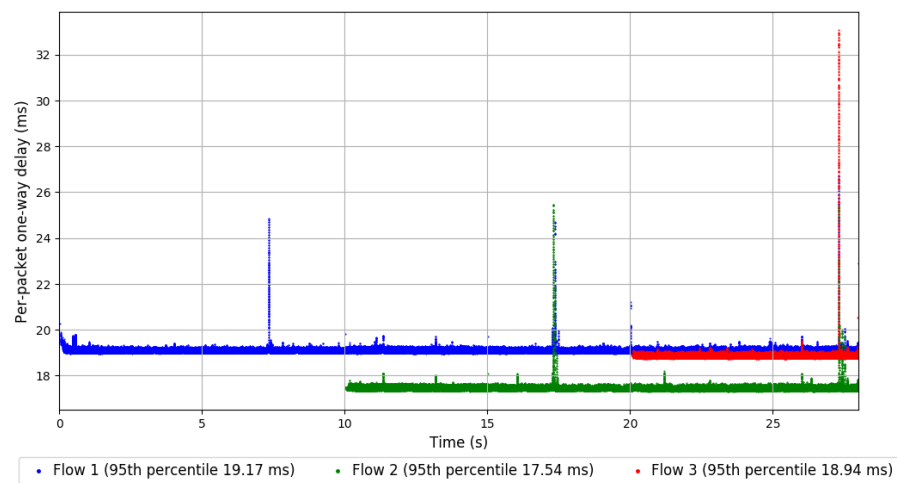
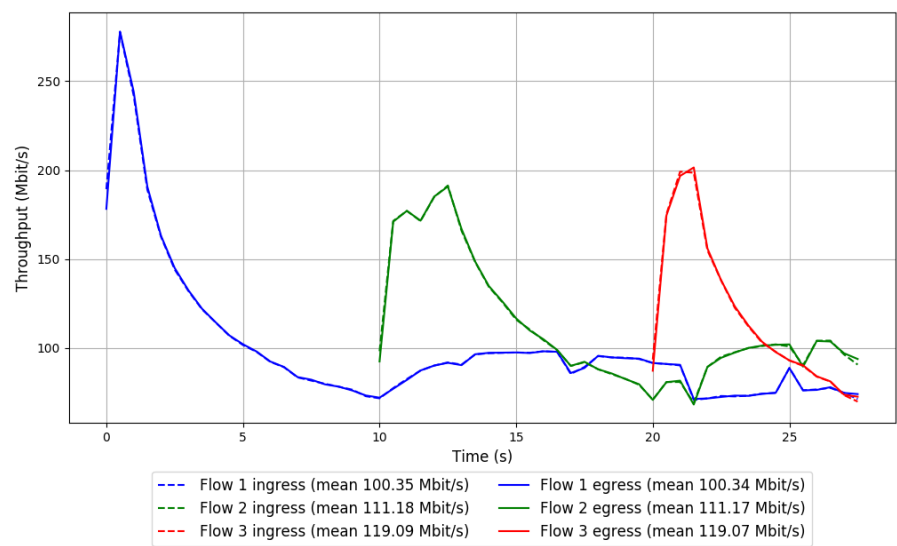


Run 4: Statistics of Copa

Start at: 2017-12-12 00:23:33
End at: 2017-12-12 00:24:03
Local clock offset: 0.222 ms
Remote clock offset: -0.596 ms

Below is generated by plot.py at 2017-12-12 05:55:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 205.45 Mbit/s
95th percentile per-packet one-way delay: 19.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.34 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 111.17 Mbit/s
95th percentile per-packet one-way delay: 17.537 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.07 Mbit/s
95th percentile per-packet one-way delay: 18.939 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

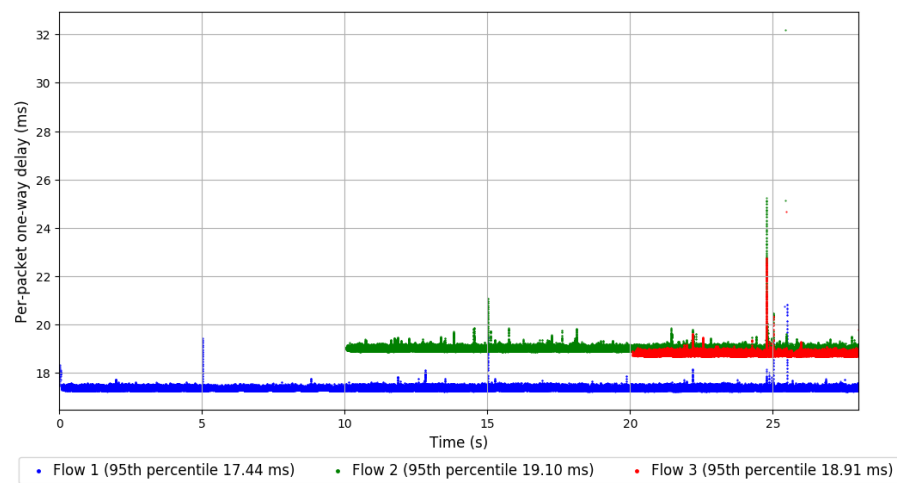
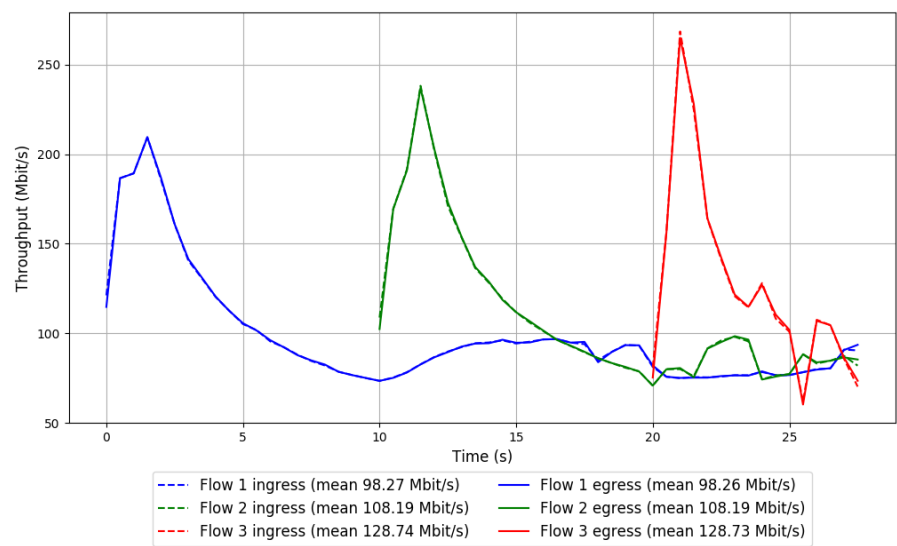


Run 5: Statistics of Copa

Start at: 2017-12-12 00:43:41
End at: 2017-12-12 00:44:11
Local clock offset: 0.091 ms
Remote clock offset: -0.736 ms

Below is generated by plot.py at 2017-12-12 05:55:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 204.16 Mbit/s
95th percentile per-packet one-way delay: 19.044 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.26 Mbit/s
95th percentile per-packet one-way delay: 17.442 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.19 Mbit/s
95th percentile per-packet one-way delay: 19.102 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.73 Mbit/s
95th percentile per-packet one-way delay: 18.907 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

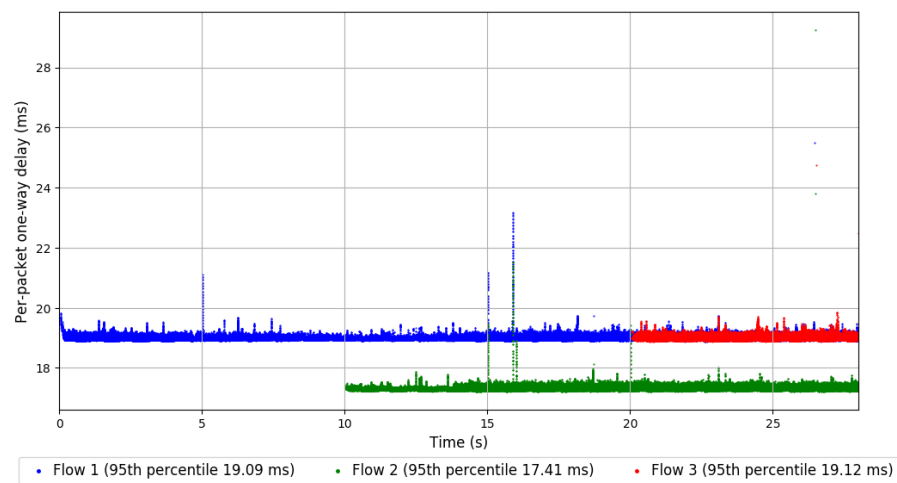
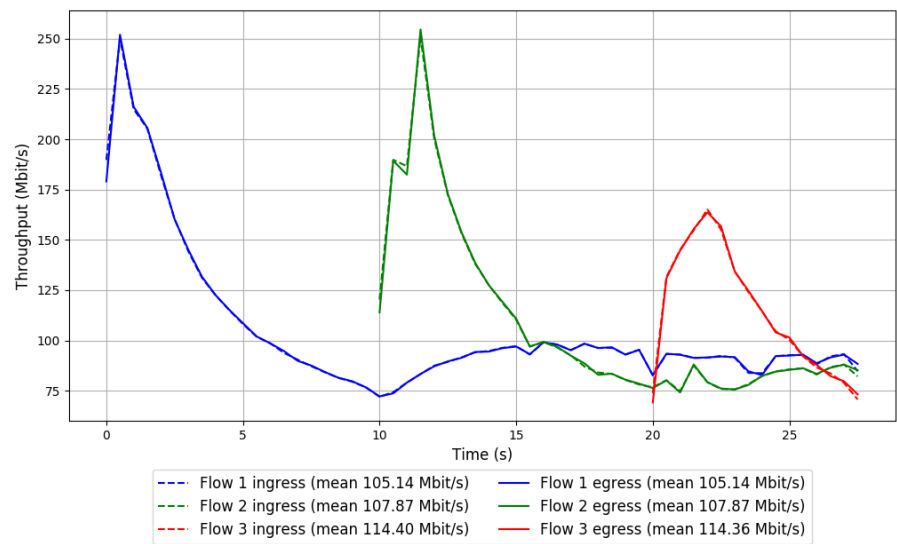


Run 6: Statistics of Copa

Start at: 2017-12-12 01:03:47
End at: 2017-12-12 01:04:17
Local clock offset: 0.257 ms
Remote clock offset: -1.164 ms

Below is generated by plot.py at 2017-12-12 05:57:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.82 Mbit/s
95th percentile per-packet one-way delay: 19.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.14 Mbit/s
95th percentile per-packet one-way delay: 19.095 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.87 Mbit/s
95th percentile per-packet one-way delay: 17.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.36 Mbit/s
95th percentile per-packet one-way delay: 19.116 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

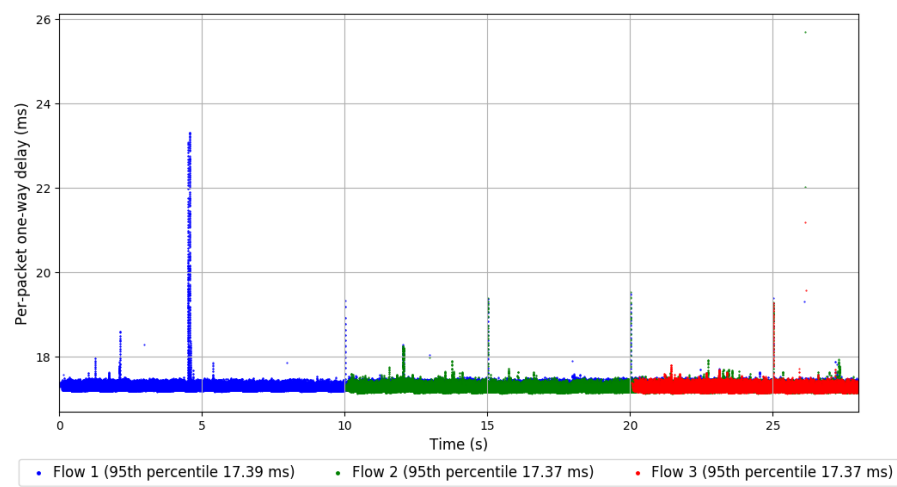
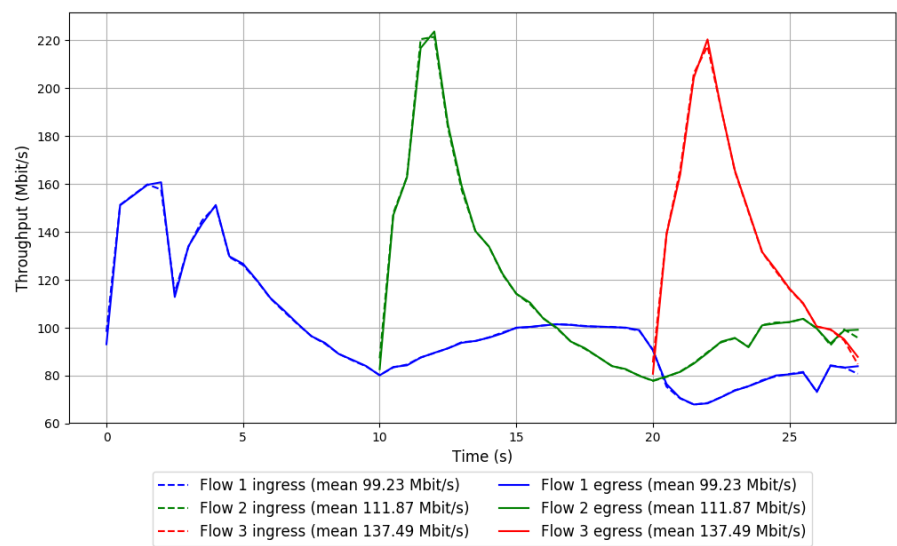


Run 7: Statistics of Copa

Start at: 2017-12-12 01:23:58
End at: 2017-12-12 01:24:28
Local clock offset: -0.114 ms
Remote clock offset: -1.191 ms

Below is generated by plot.py at 2017-12-12 05:57:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.03 Mbit/s
95th percentile per-packet one-way delay: 17.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.23 Mbit/s
95th percentile per-packet one-way delay: 17.388 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 111.87 Mbit/s
95th percentile per-packet one-way delay: 17.369 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 137.49 Mbit/s
95th percentile per-packet one-way delay: 17.370 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

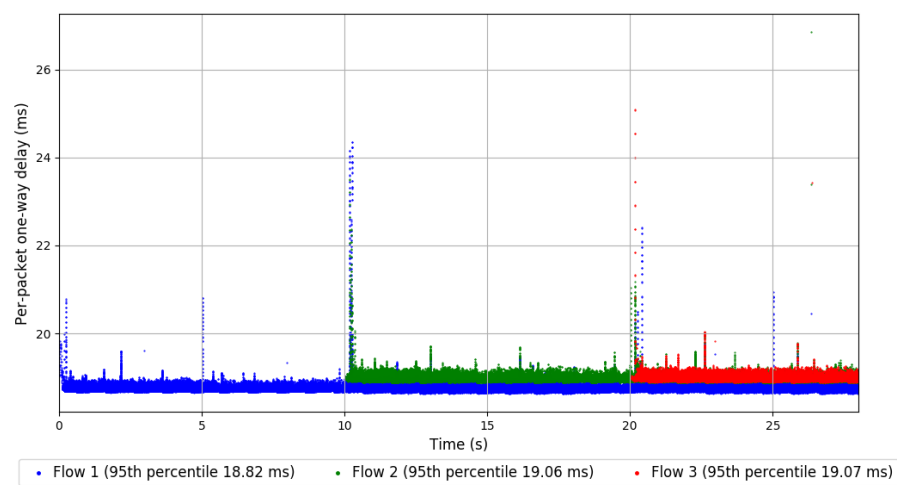
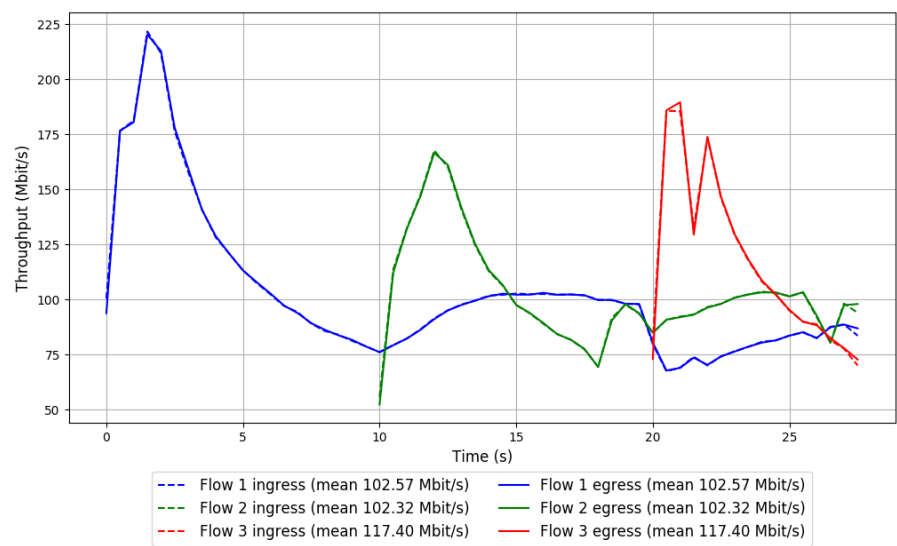


Run 8: Statistics of Copa

Start at: 2017-12-12 01:44:18
End at: 2017-12-12 01:44:48
Local clock offset: -0.401 ms
Remote clock offset: -1.057 ms

```
# Below is generated by plot.py at 2017-12-12 05:57:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 201.60 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.57 Mbit/s
95th percentile per-packet one-way delay: 18.820 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 102.32 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.40 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

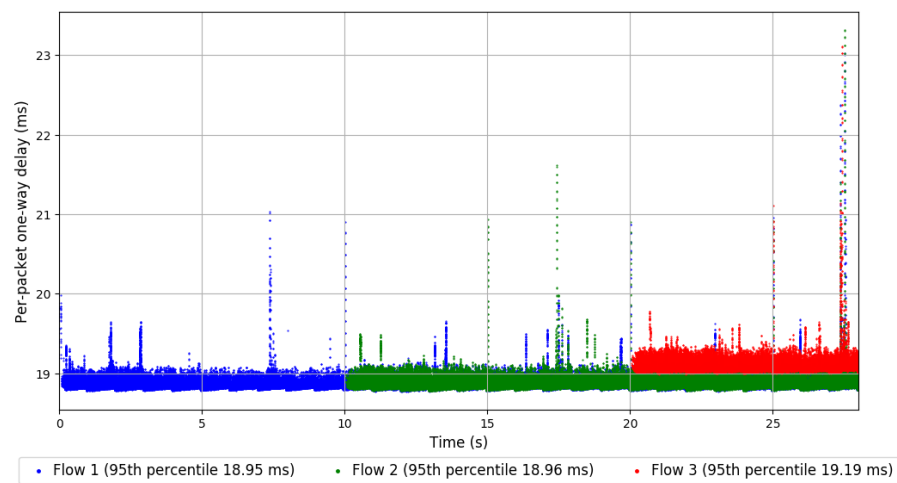
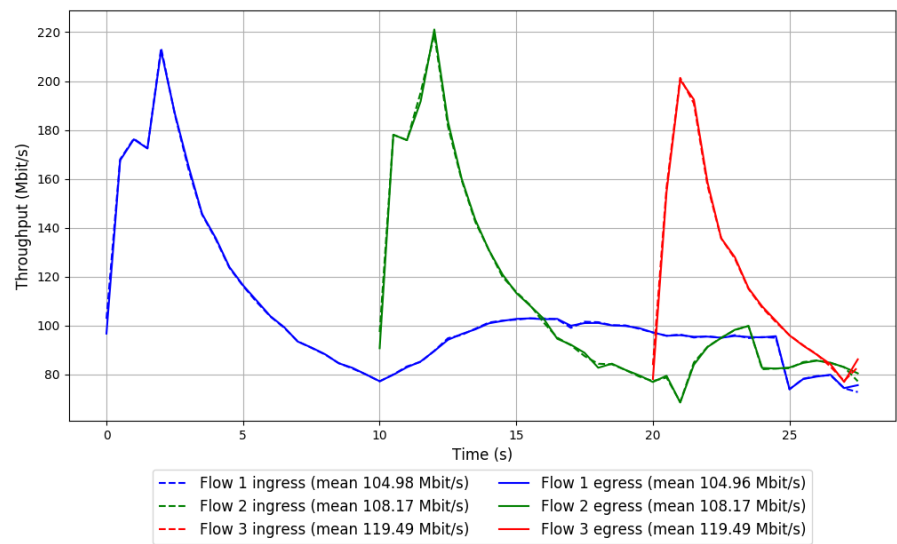


Run 9: Statistics of Copa

Start at: 2017-12-12 02:04:20
End at: 2017-12-12 02:04:50
Local clock offset: -0.59 ms
Remote clock offset: -0.861 ms

Below is generated by plot.py at 2017-12-12 05:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 208.32 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 104.96 Mbit/s
95th percentile per-packet one-way delay: 18.950 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 108.17 Mbit/s
95th percentile per-packet one-way delay: 18.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.49 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

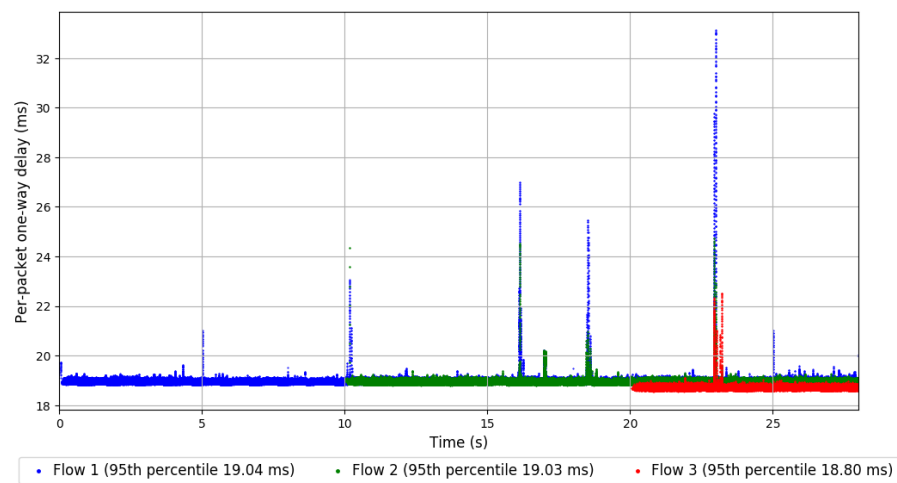
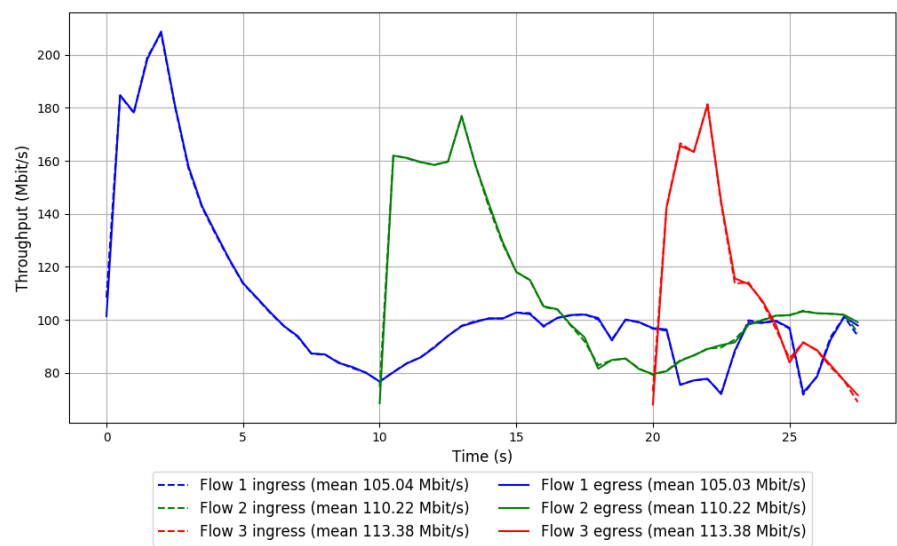


Run 10: Statistics of Copa

Start at: 2017-12-12 02:24:38
End at: 2017-12-12 02:25:08
Local clock offset: -0.095 ms
Remote clock offset: -1.012 ms

Below is generated by plot.py at 2017-12-12 05:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.90 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.03 Mbit/s
95th percentile per-packet one-way delay: 19.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 110.22 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.38 Mbit/s
95th percentile per-packet one-way delay: 18.799 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

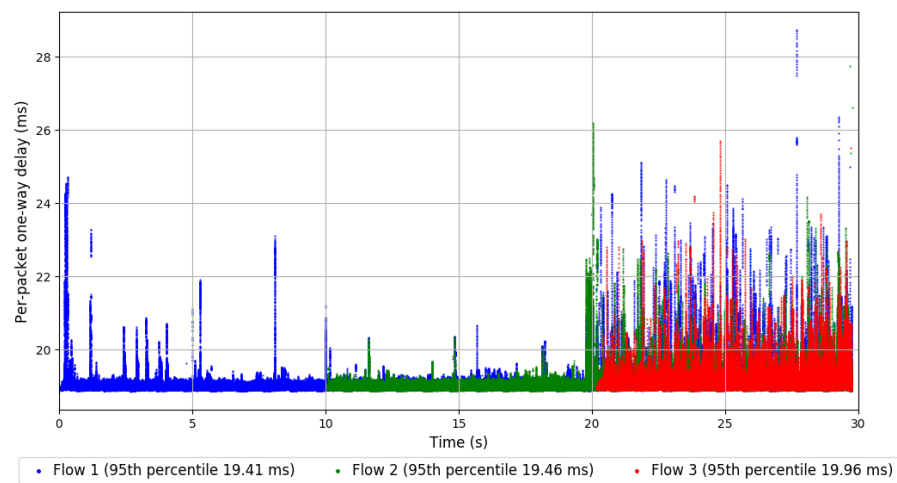
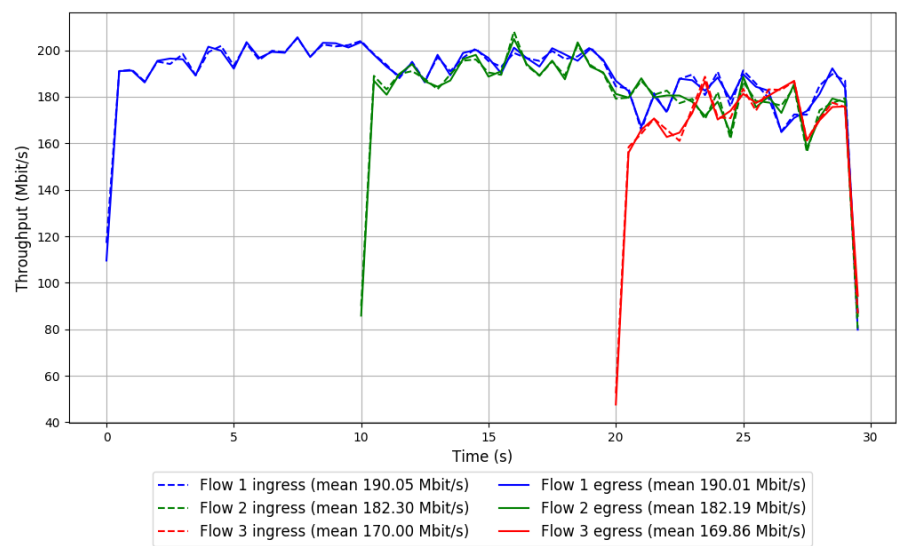


```
Run 1: Statistics of Indigo

Start at: 2017-12-11 23:40:03
End at: 2017-12-11 23:40:33
Local clock offset: 0.235 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2017-12-12 06:00:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.45 Mbit/s
95th percentile per-packet one-way delay: 19.540 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 190.01 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 182.19 Mbit/s
95th percentile per-packet one-way delay: 19.462 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 169.86 Mbit/s
95th percentile per-packet one-way delay: 19.956 ms
Loss rate: 0.08%
```


Run 1: Report of Indigo — Data Link

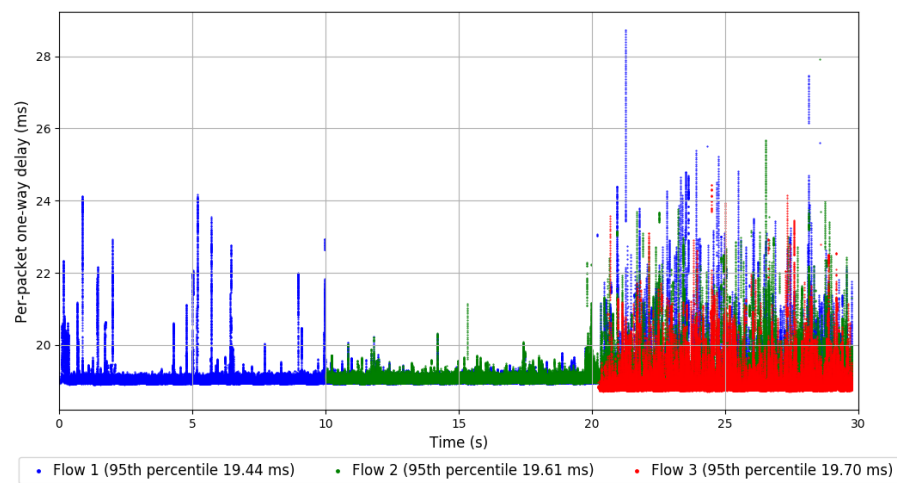
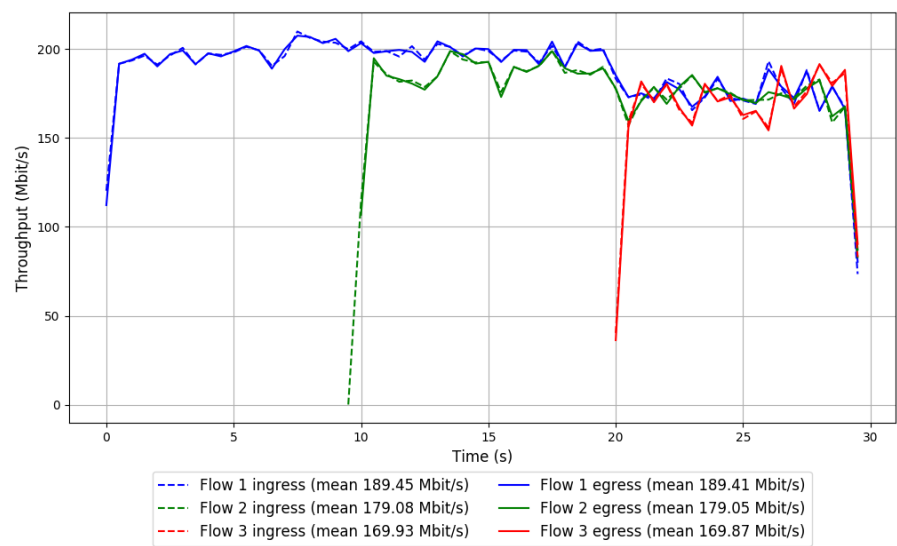


```
Run 2: Statistics of Indigo

Start at: 2017-12-12 00:00:01
End at: 2017-12-12 00:00:31
Local clock offset: 0.335 ms
Remote clock offset: -0.32 ms

# Below is generated by plot.py at 2017-12-12 06:00:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 362.69 Mbit/s
95th percentile per-packet one-way delay: 19.553 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 189.41 Mbit/s
95th percentile per-packet one-way delay: 19.442 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 179.05 Mbit/s
95th percentile per-packet one-way delay: 19.608 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 169.87 Mbit/s
95th percentile per-packet one-way delay: 19.704 ms
Loss rate: 0.04%
```

Run 2: Report of Indigo — Data Link

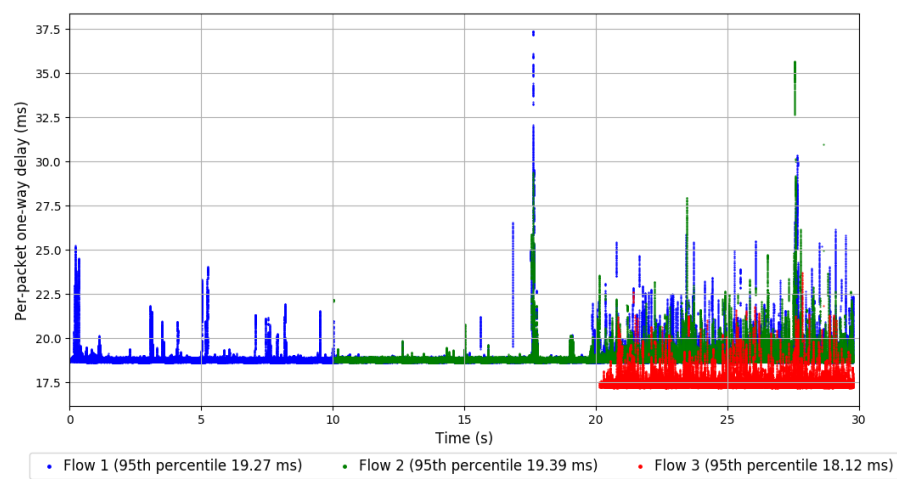
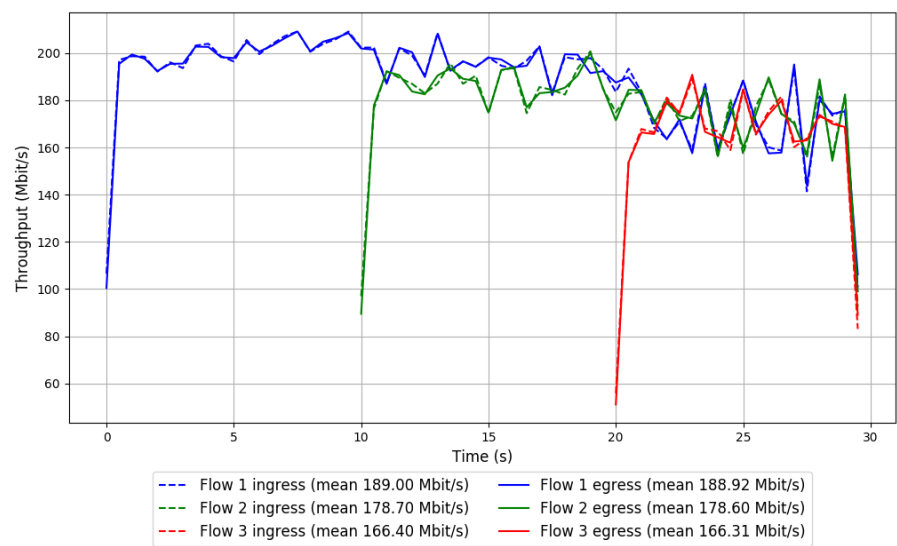


Run 3: Statistics of Indigo

Start at: 2017-12-12 00:20:19
End at: 2017-12-12 00:20:49
Local clock offset: 0.335 ms
Remote clock offset: -0.652 ms

Below is generated by plot.py at 2017-12-12 06:00:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.24 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 188.92 Mbit/s
95th percentile per-packet one-way delay: 19.269 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 178.60 Mbit/s
95th percentile per-packet one-way delay: 19.394 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 166.31 Mbit/s
95th percentile per-packet one-way delay: 18.124 ms
Loss rate: 0.05%

Run 3: Report of Indigo — Data Link

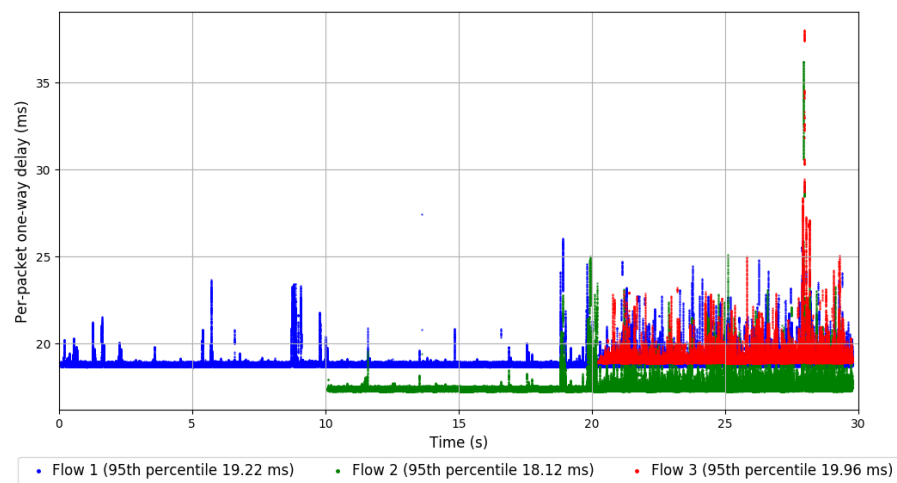
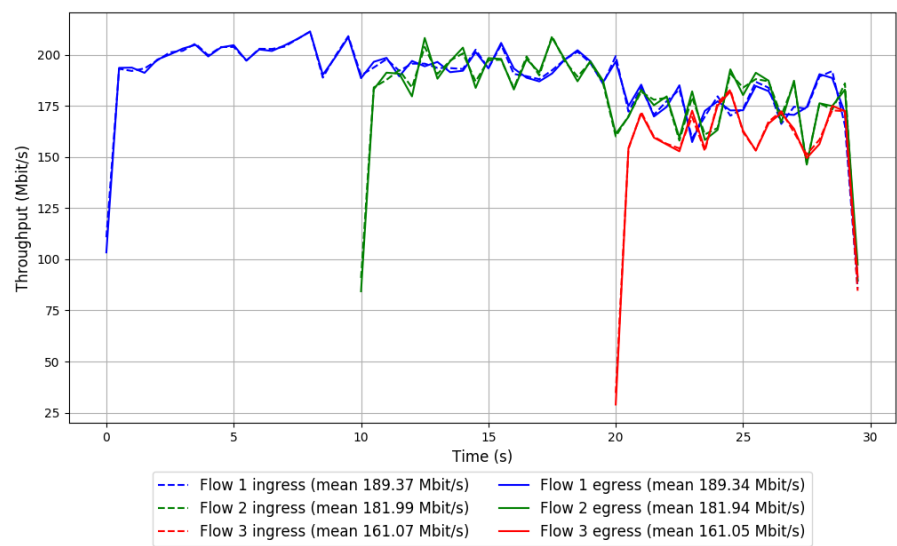


Run 4: Statistics of Indigo

Start at: 2017-12-12 00:40:28
End at: 2017-12-12 00:40:58
Local clock offset: 0.209 ms
Remote clock offset: -0.691 ms

Below is generated by plot.py at 2017-12-12 06:02:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.40 Mbit/s
95th percentile per-packet one-way delay: 19.292 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 189.34 Mbit/s
95th percentile per-packet one-way delay: 19.222 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 181.94 Mbit/s
95th percentile per-packet one-way delay: 18.124 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 161.05 Mbit/s
95th percentile per-packet one-way delay: 19.960 ms
Loss rate: 0.01%

Run 4: Report of Indigo — Data Link

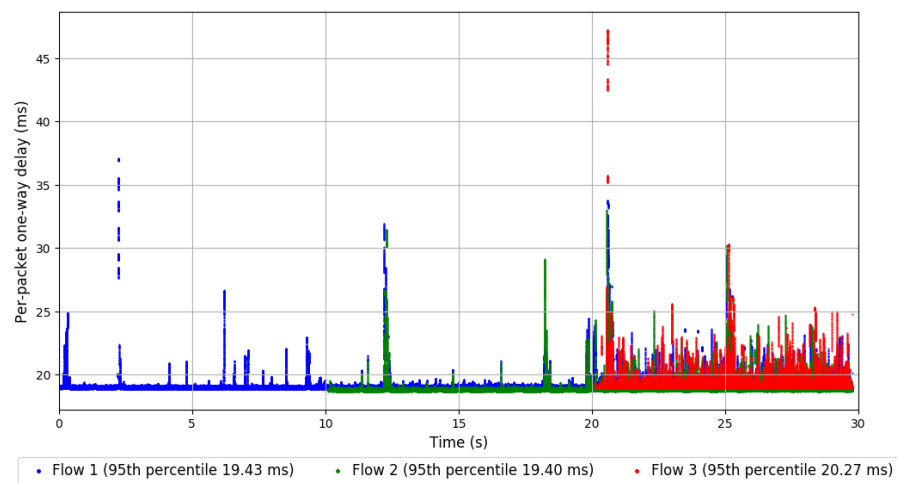
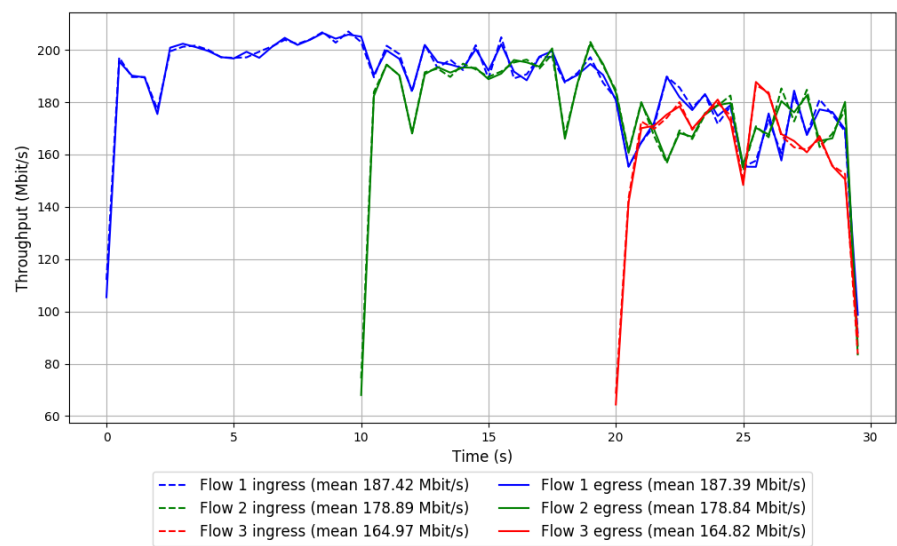


Run 5: Statistics of Indigo

Start at: 2017-12-12 01:00:34
End at: 2017-12-12 01:01:04
Local clock offset: 0.183 ms
Remote clock offset: -1.183 ms

Below is generated by plot.py at 2017-12-12 06:02:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.90 Mbit/s
95th percentile per-packet one-way delay: 19.561 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 187.39 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 178.84 Mbit/s
95th percentile per-packet one-way delay: 19.396 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 164.82 Mbit/s
95th percentile per-packet one-way delay: 20.273 ms
Loss rate: 0.04%

Run 5: Report of Indigo — Data Link

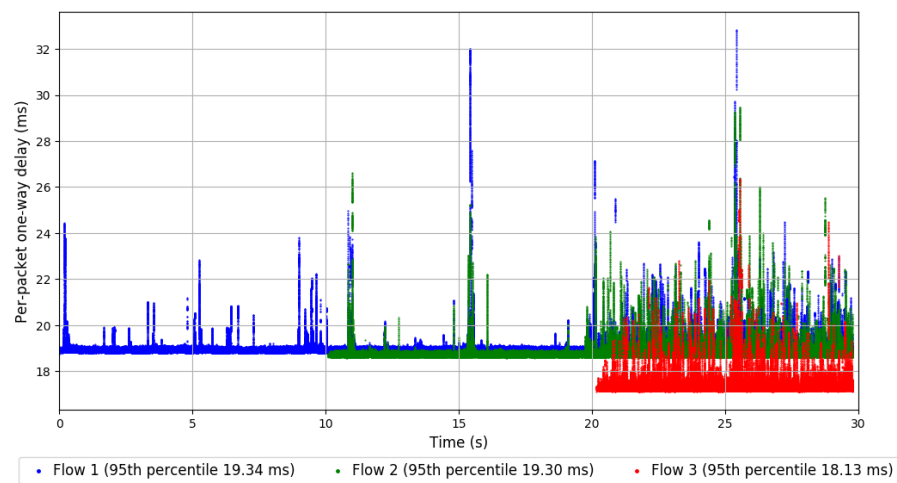
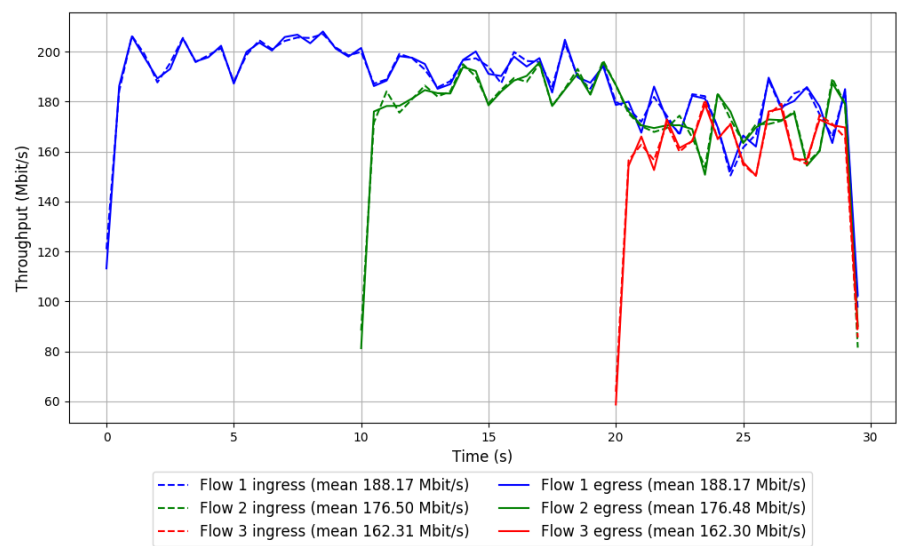


Run 6: Statistics of Indigo

Start at: 2017-12-12 01:20:44
End at: 2017-12-12 01:21:14
Local clock offset: -0.053 ms
Remote clock offset: -1.206 ms

Below is generated by plot.py at 2017-12-12 06:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.39 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.17 Mbit/s
95th percentile per-packet one-way delay: 19.335 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.48 Mbit/s
95th percentile per-packet one-way delay: 19.299 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 162.30 Mbit/s
95th percentile per-packet one-way delay: 18.126 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

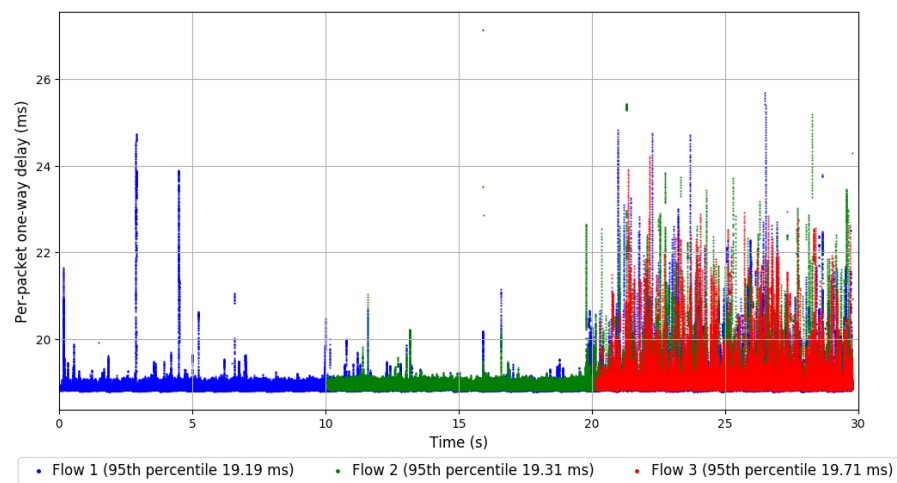
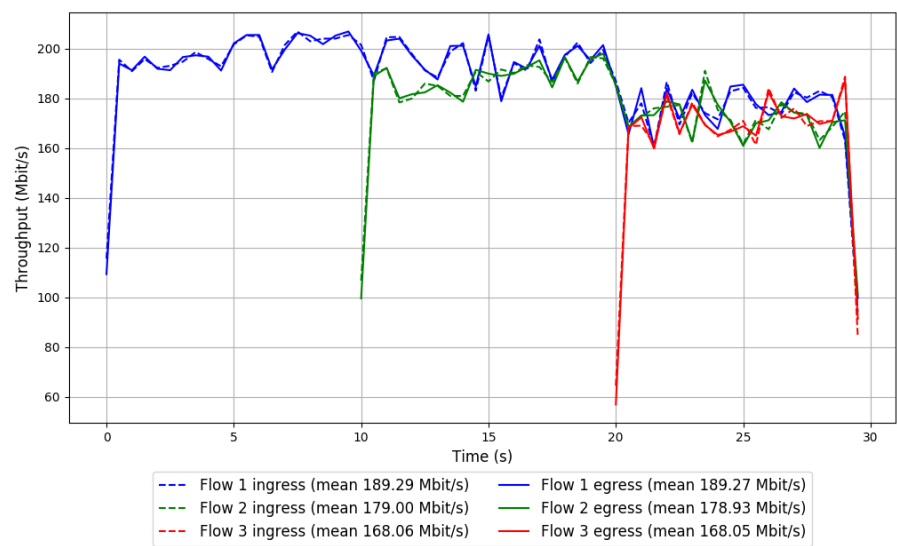


Run 7: Statistics of Indigo

Start at: 2017-12-12 01:41:04
End at: 2017-12-12 01:41:34
Local clock offset: -0.338 ms
Remote clock offset: -1.158 ms

Below is generated by plot.py at 2017-12-12 06:03:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.40 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 189.27 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 178.93 Mbit/s
95th percentile per-packet one-way delay: 19.306 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 168.05 Mbit/s
95th percentile per-packet one-way delay: 19.709 ms
Loss rate: 0.01%

Run 7: Report of Indigo — Data Link

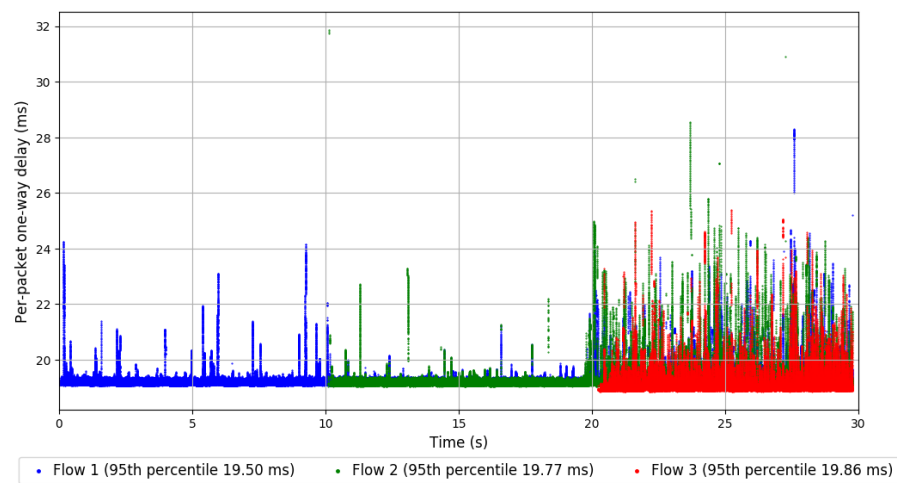
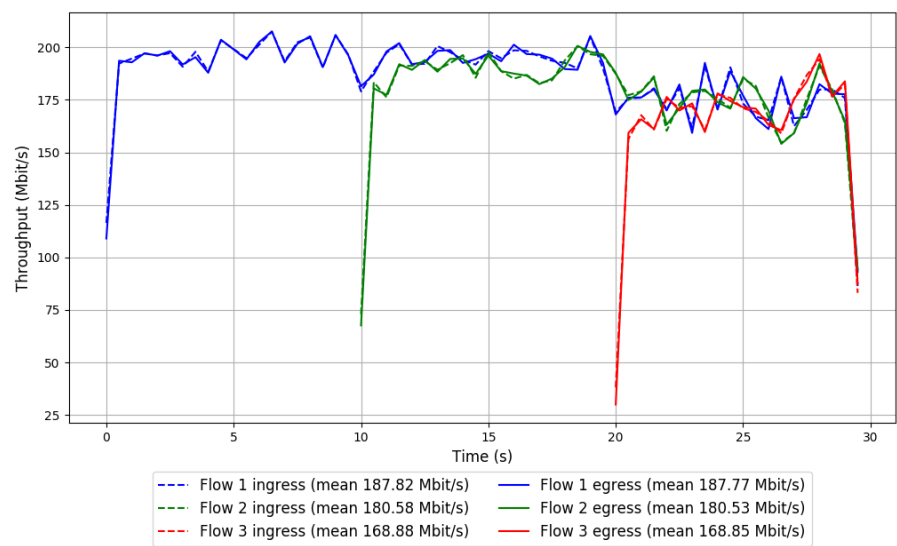


Run 8: Statistics of Indigo

Start at: 2017-12-12 02:01:08
End at: 2017-12-12 02:01:38
Local clock offset: -0.733 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2017-12-12 06:04:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.09 Mbit/s
95th percentile per-packet one-way delay: 19.635 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 187.77 Mbit/s
95th percentile per-packet one-way delay: 19.501 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 180.53 Mbit/s
95th percentile per-packet one-way delay: 19.765 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 168.85 Mbit/s
95th percentile per-packet one-way delay: 19.857 ms
Loss rate: 0.02%

Run 8: Report of Indigo — Data Link

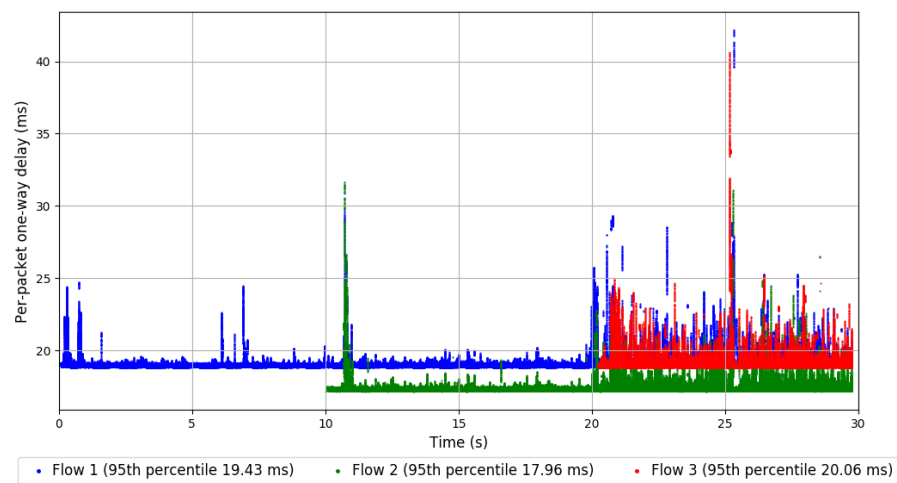
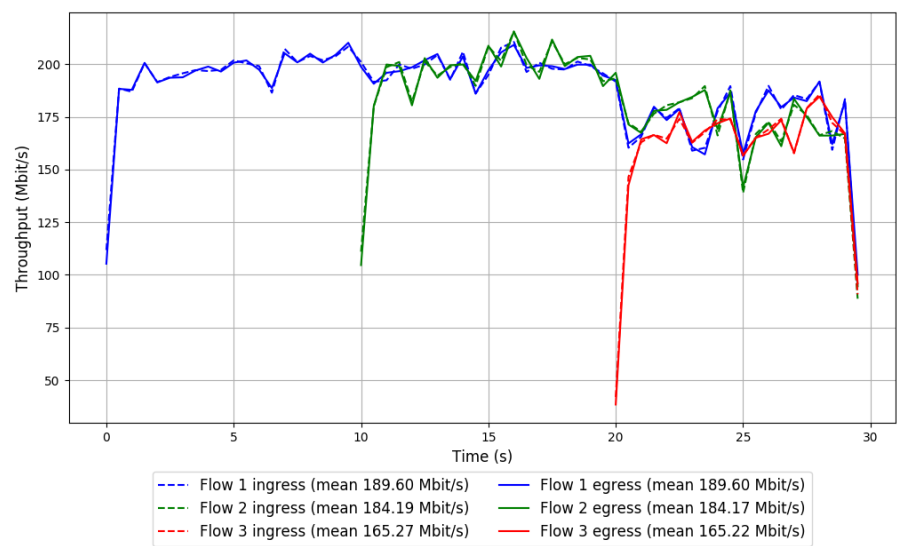


Run 9: Statistics of Indigo

Start at: 2017-12-12 02:21:24
End at: 2017-12-12 02:21:54
Local clock offset: -0.122 ms
Remote clock offset: -1.061 ms

Below is generated by plot.py at 2017-12-12 06:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.78 Mbit/s
95th percentile per-packet one-way delay: 19.358 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 189.60 Mbit/s
95th percentile per-packet one-way delay: 19.433 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.17 Mbit/s
95th percentile per-packet one-way delay: 17.957 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 165.22 Mbit/s
95th percentile per-packet one-way delay: 20.057 ms
Loss rate: 0.03%

Run 9: Report of Indigo — Data Link

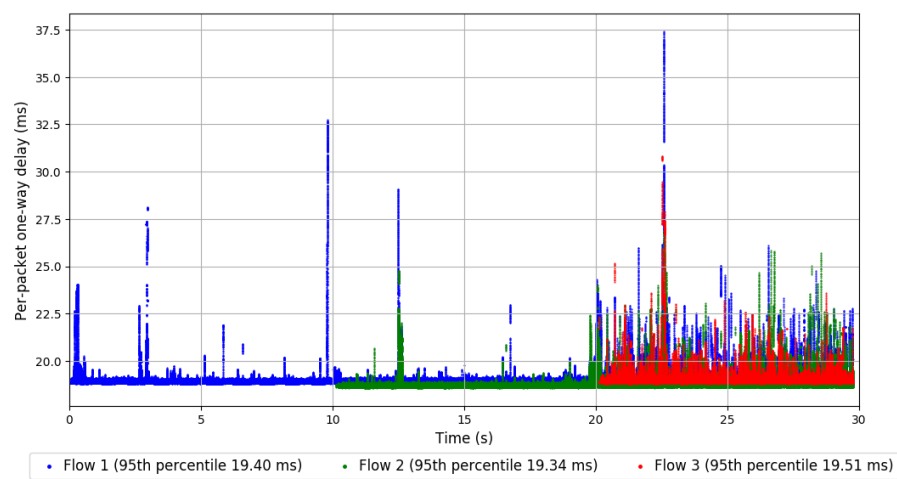
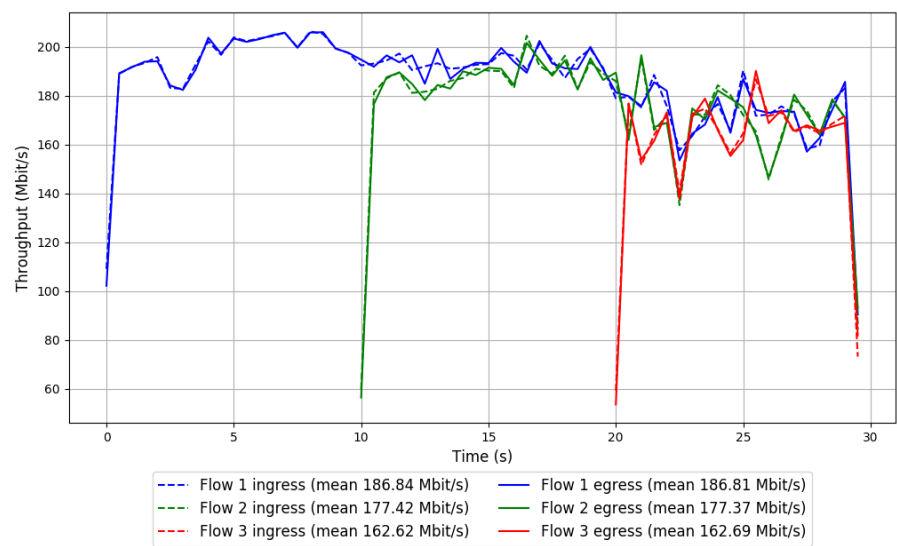


Run 10: Statistics of Indigo

Start at: 2017-12-12 02:41:52
End at: 2017-12-12 02:42:22
Local clock offset: 0.25 ms
Remote clock offset: -1.278 ms

Below is generated by plot.py at 2017-12-12 06:05:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.56 Mbit/s
95th percentile per-packet one-way delay: 19.404 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 186.81 Mbit/s
95th percentile per-packet one-way delay: 19.403 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 177.37 Mbit/s
95th percentile per-packet one-way delay: 19.336 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 162.69 Mbit/s
95th percentile per-packet one-way delay: 19.508 ms
Loss rate: 0.05%

Run 10: Report of Indigo — Data Link

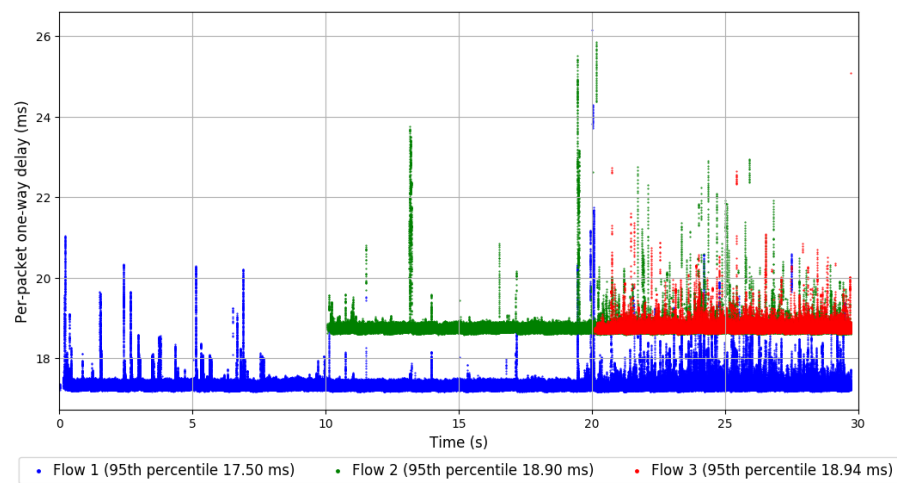
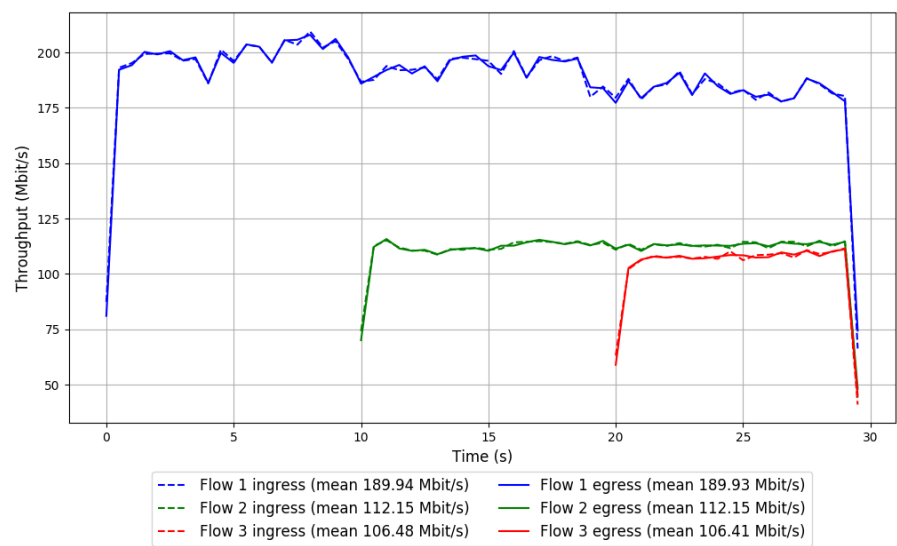


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-11 23:29:34
End at: 2017-12-11 23:30:04
Local clock offset: 0.194 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2017-12-12 06:05:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 298.57 Mbit/s
95th percentile per-packet one-way delay: 18.835 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.93 Mbit/s
95th percentile per-packet one-way delay: 17.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.15 Mbit/s
95th percentile per-packet one-way delay: 18.897 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 106.41 Mbit/s
95th percentile per-packet one-way delay: 18.937 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link

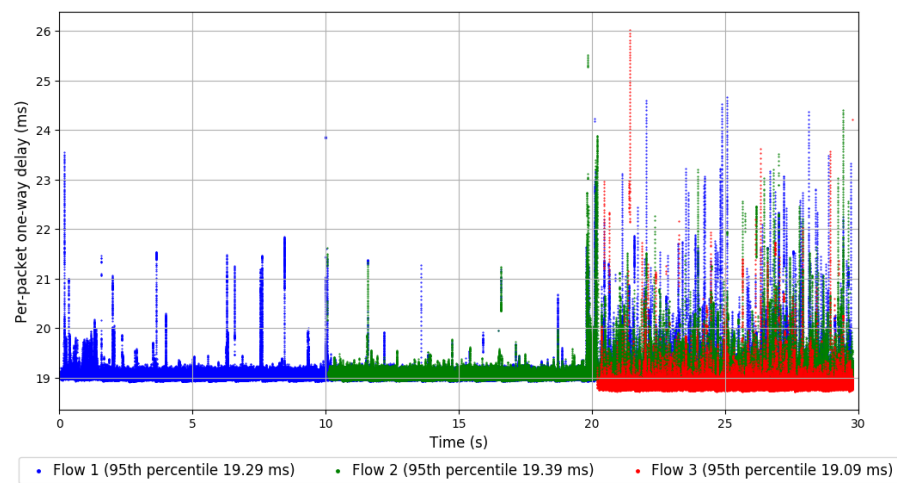
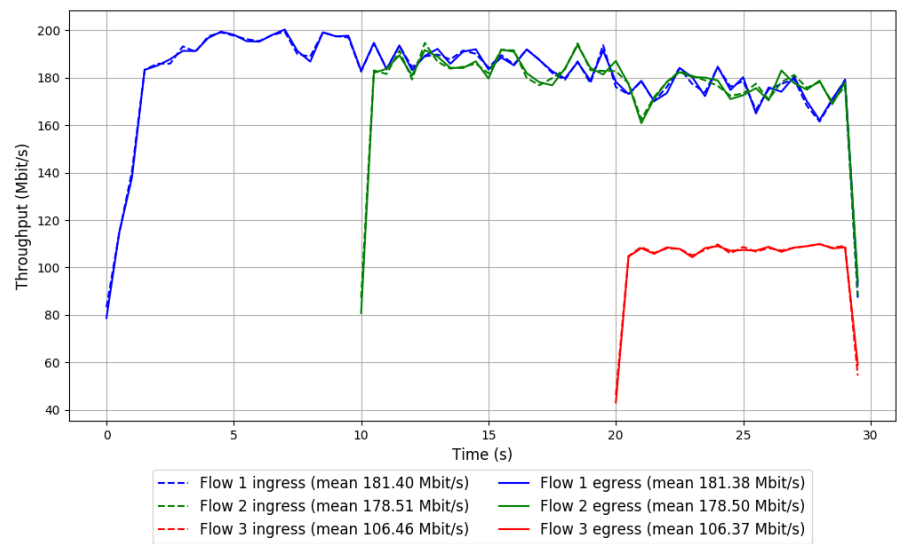


```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-11 23:49:42
End at: 2017-12-11 23:50:12
Local clock offset: 0.254 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2017-12-12 06:07:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.87 Mbit/s
95th percentile per-packet one-way delay: 19.315 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 181.38 Mbit/s
95th percentile per-packet one-way delay: 19.287 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 178.50 Mbit/s
95th percentile per-packet one-way delay: 19.390 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 106.37 Mbit/s
95th percentile per-packet one-way delay: 19.085 ms
Loss rate: 0.03%
```

Run 2: Report of Indigo-calib — Data Link

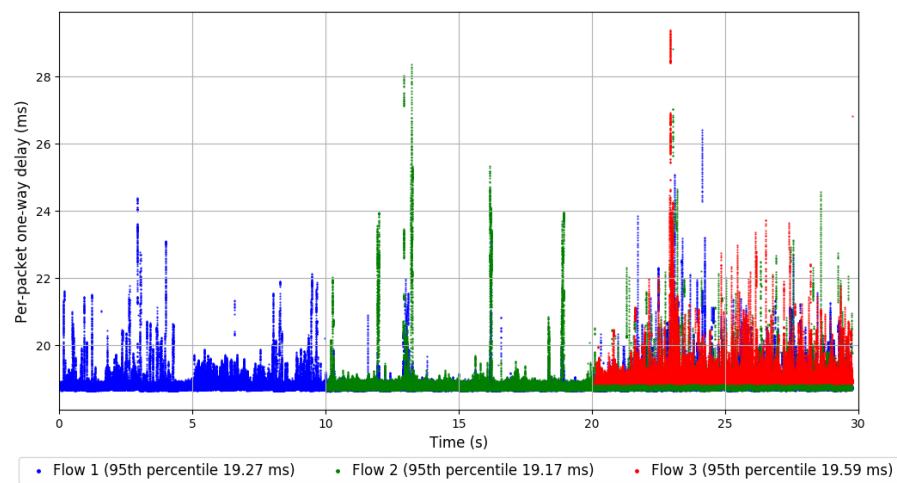
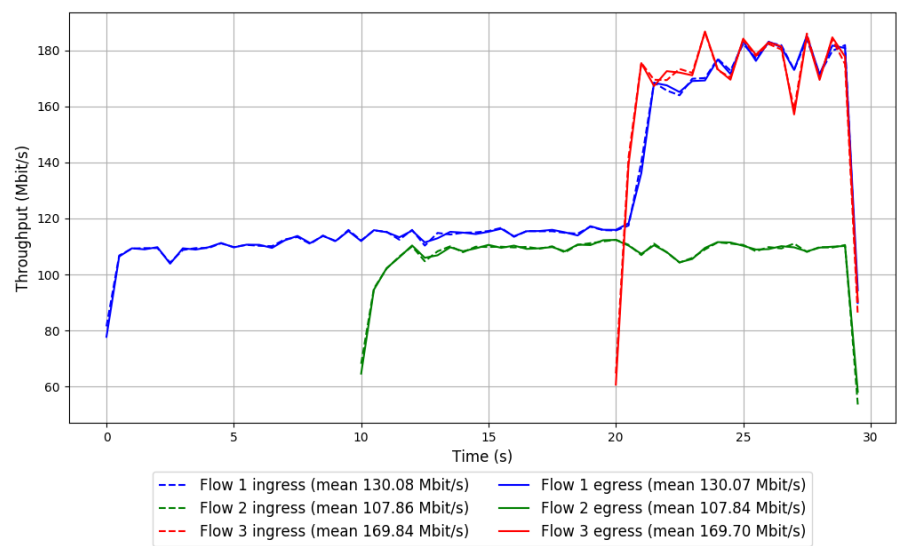


Run 3: Statistics of Indigo-calib

Start at: 2017-12-12 00:09:44
End at: 2017-12-12 00:10:14
Local clock offset: 0.417 ms
Remote clock offset: -0.574 ms

Below is generated by plot.py at 2017-12-12 06:07:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.63 Mbit/s
95th percentile per-packet one-way delay: 19.347 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 130.07 Mbit/s
95th percentile per-packet one-way delay: 19.266 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 107.84 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.70 Mbit/s
95th percentile per-packet one-way delay: 19.590 ms
Loss rate: 0.01%

Run 3: Report of Indigo-calib — Data Link

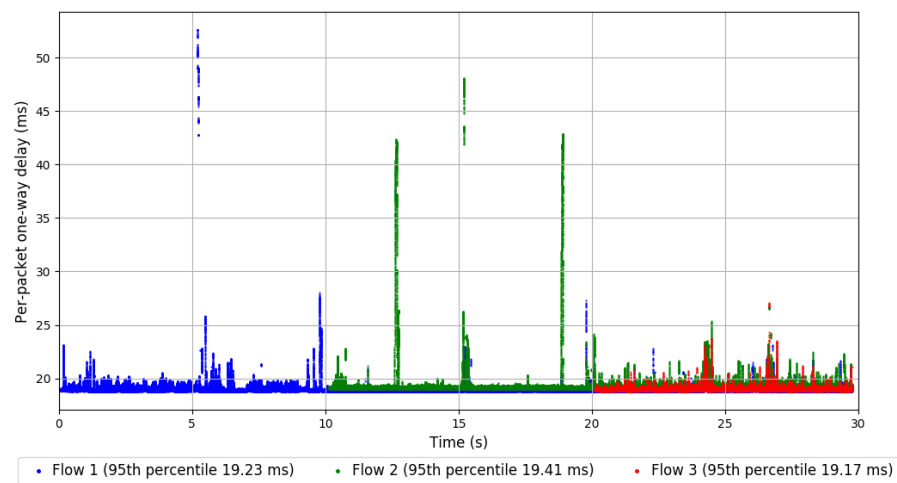
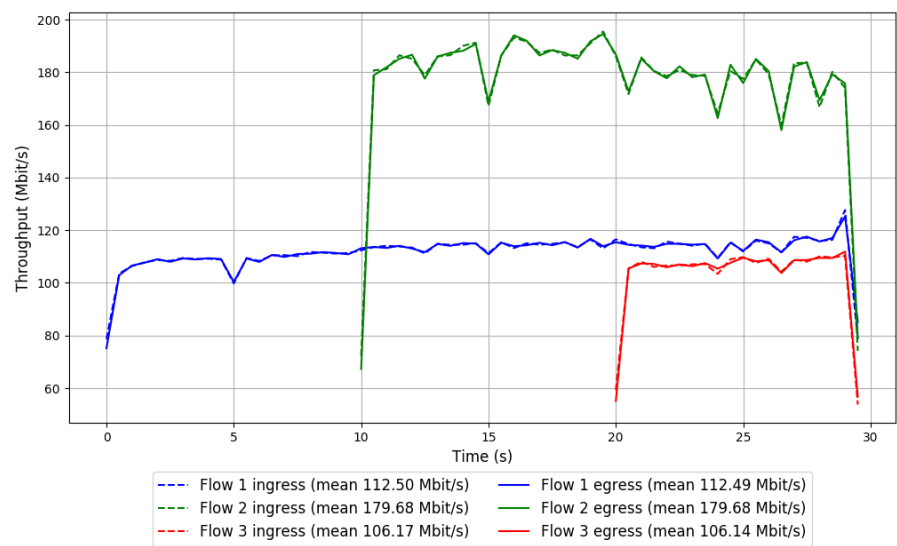


Run 4: Statistics of Indigo-calib

Start at: 2017-12-12 00:30:01
End at: 2017-12-12 00:30:31
Local clock offset: 0.167 ms
Remote clock offset: -0.689 ms

Below is generated by plot.py at 2017-12-12 06:07:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.59 Mbit/s
95th percentile per-packet one-way delay: 19.325 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 112.49 Mbit/s
95th percentile per-packet one-way delay: 19.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.68 Mbit/s
95th percentile per-packet one-way delay: 19.412 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.14 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.01%

Run 4: Report of Indigo-calib — Data Link

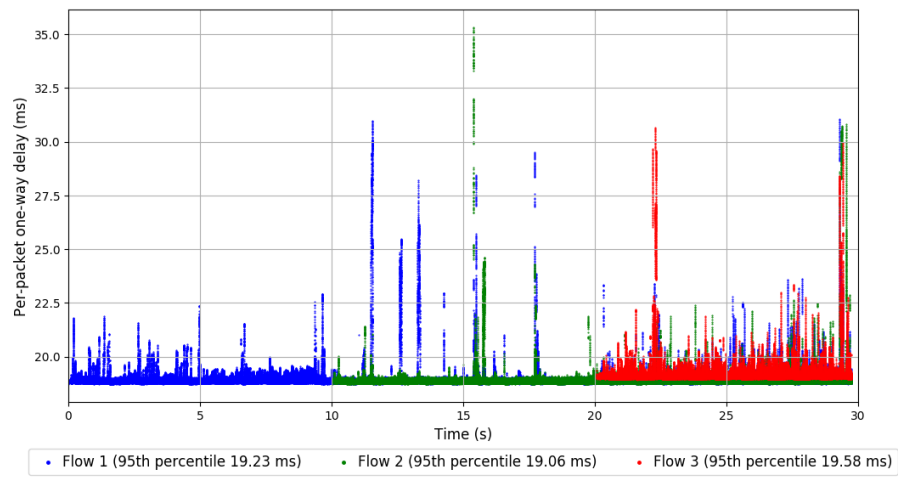
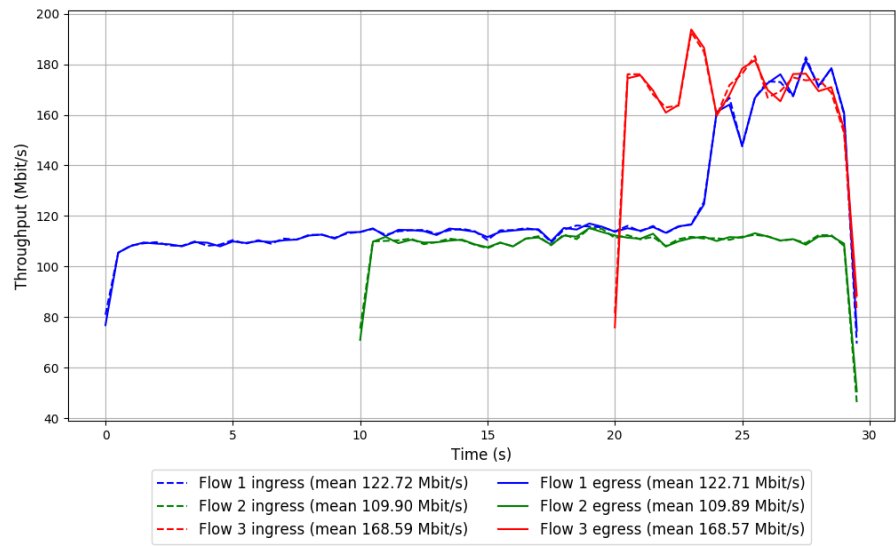


Run 5: Statistics of Indigo-calib

Start at: 2017-12-12 00:50:07
End at: 2017-12-12 00:50:37
Local clock offset: 0.121 ms
Remote clock offset: -0.868 ms

Below is generated by plot.py at 2017-12-12 06:07:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.35 Mbit/s
95th percentile per-packet one-way delay: 19.302 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 122.71 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 109.89 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.57 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.01%

Run 5: Report of Indigo-calib — Data Link

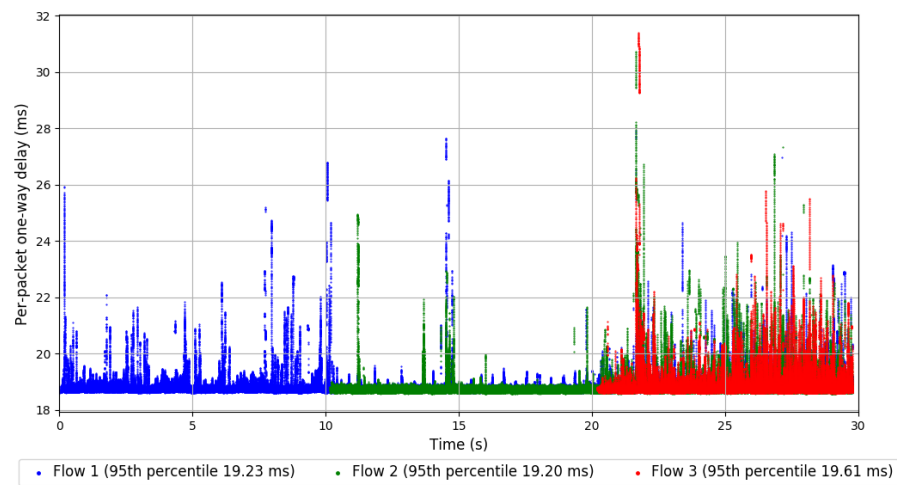
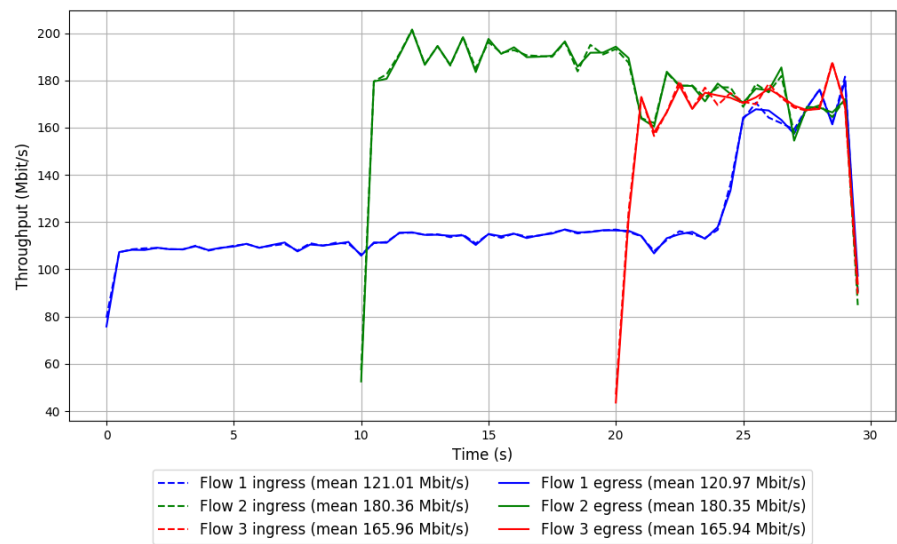


Run 6: Statistics of Indigo-calib

Start at: 2017-12-12 01:10:15
End at: 2017-12-12 01:10:45
Local clock offset: 0.149 ms
Remote clock offset: -1.309 ms

Below is generated by plot.py at 2017-12-12 06:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 293.23 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 120.97 Mbit/s
95th percentile per-packet one-way delay: 19.227 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 180.35 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 165.94 Mbit/s
95th percentile per-packet one-way delay: 19.605 ms
Loss rate: 0.01%

Run 6: Report of Indigo-calib — Data Link

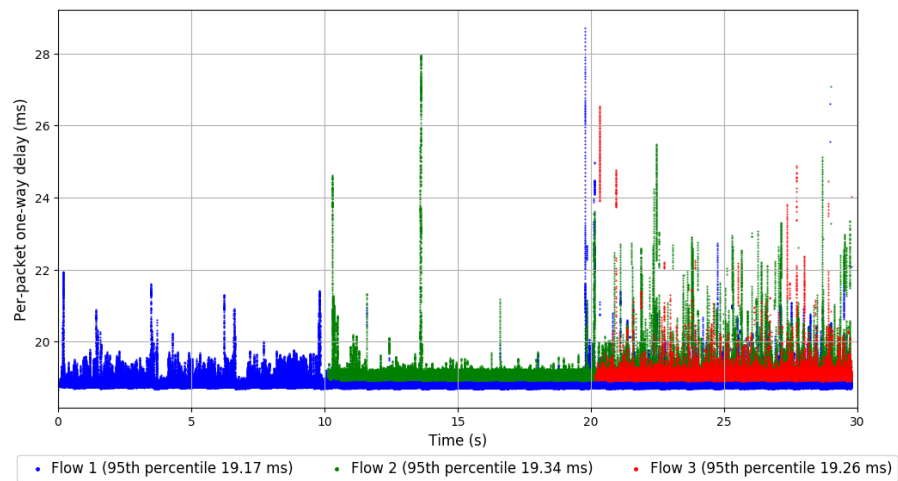
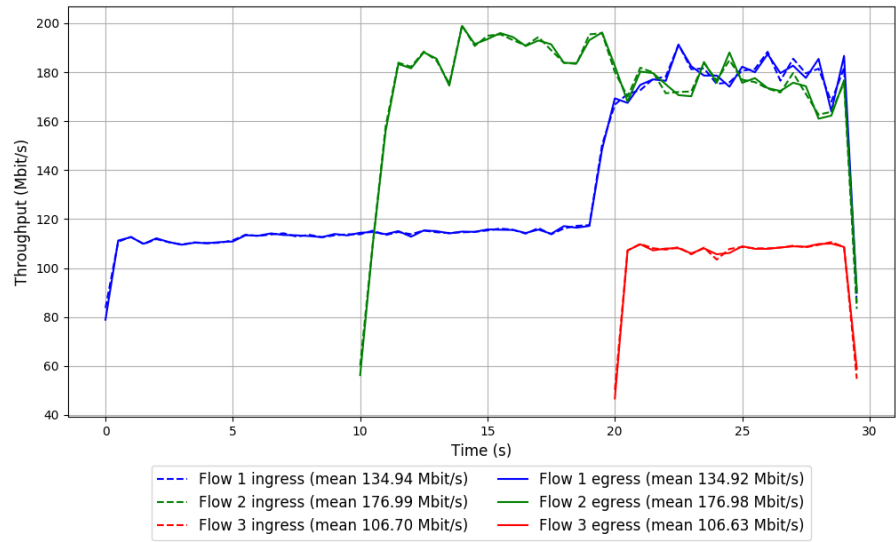


Run 7: Statistics of Indigo-calib

Start at: 2017-12-12 01:30:30
End at: 2017-12-12 01:31:00
Local clock offset: -0.27 ms
Remote clock offset: -1.172 ms

Below is generated by plot.py at 2017-12-12 06:08:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.26 Mbit/s
95th percentile per-packet one-way delay: 19.264 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.92 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.98 Mbit/s
95th percentile per-packet one-way delay: 19.335 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 106.63 Mbit/s
95th percentile per-packet one-way delay: 19.257 ms
Loss rate: 0.01%

Run 7: Report of Indigo-calib — Data Link

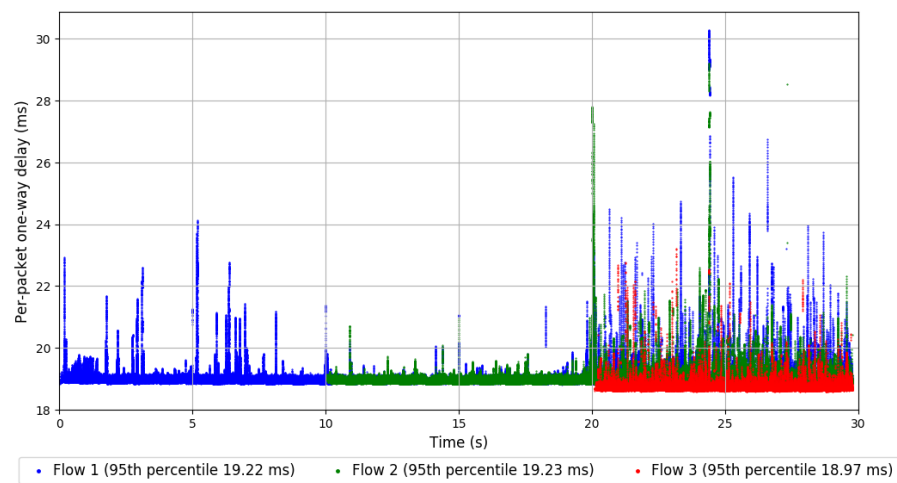
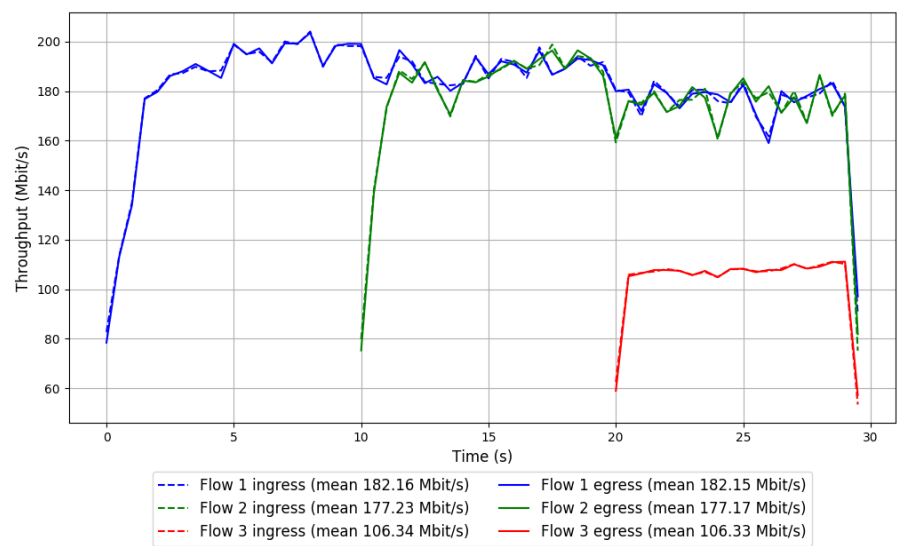


Run 8: Statistics of Indigo-calib

Start at: 2017-12-12 01:50:46
End at: 2017-12-12 01:51:16
Local clock offset: -0.548 ms
Remote clock offset: -1.015 ms

Below is generated by plot.py at 2017-12-12 06:08:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.19 Mbit/s
95th percentile per-packet one-way delay: 19.204 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 182.15 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 177.17 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 106.33 Mbit/s
95th percentile per-packet one-way delay: 18.966 ms
Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link

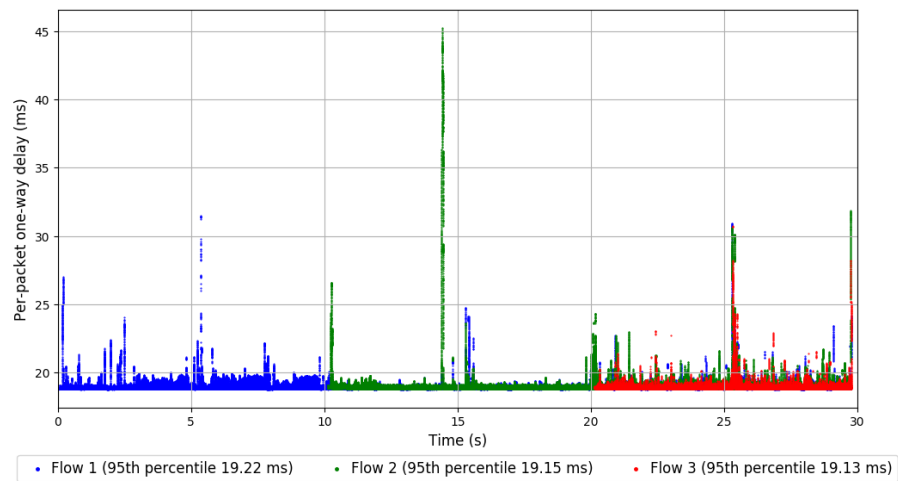
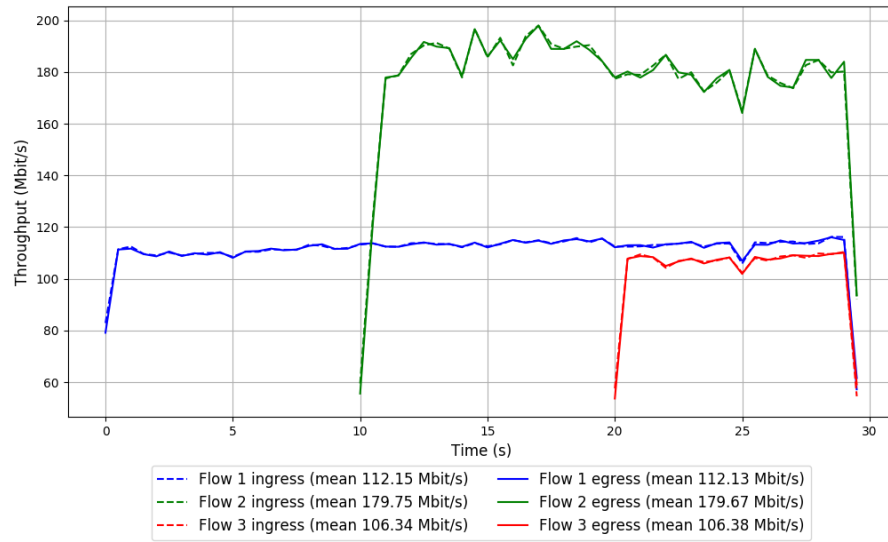


Run 9: Statistics of Indigo-calib

Start at: 2017-12-12 02:10:49
End at: 2017-12-12 02:11:19
Local clock offset: -0.307 ms
Remote clock offset: -0.889 ms

Below is generated by plot.py at 2017-12-12 06:08:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.21 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 112.13 Mbit/s
95th percentile per-packet one-way delay: 19.220 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 179.67 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 106.38 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-12 02:31:09
End at: 2017-12-12 02:31:39
Local clock offset: 0.033 ms
Remote clock offset: -0.942 ms

Below is generated by plot.py at 2017-12-12 06:08:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.50 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 120.95 Mbit/s
95th percentile per-packet one-way delay: 19.355 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 179.21 Mbit/s
95th percentile per-packet one-way delay: 19.022 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 106.57 Mbit/s
95th percentile per-packet one-way delay: 19.065 ms
Loss rate: 0.00%

Run 10: Report of Indigo-calib — Data Link

