

Pantheon Report

Generated at 2017-12-06 05:08:43 (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).

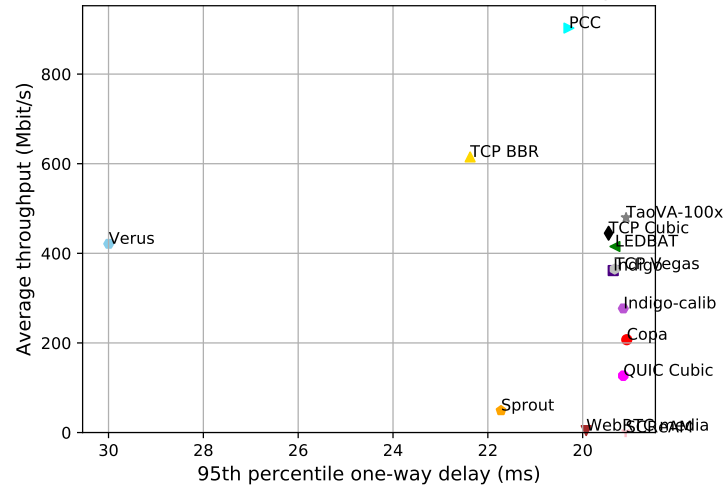
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

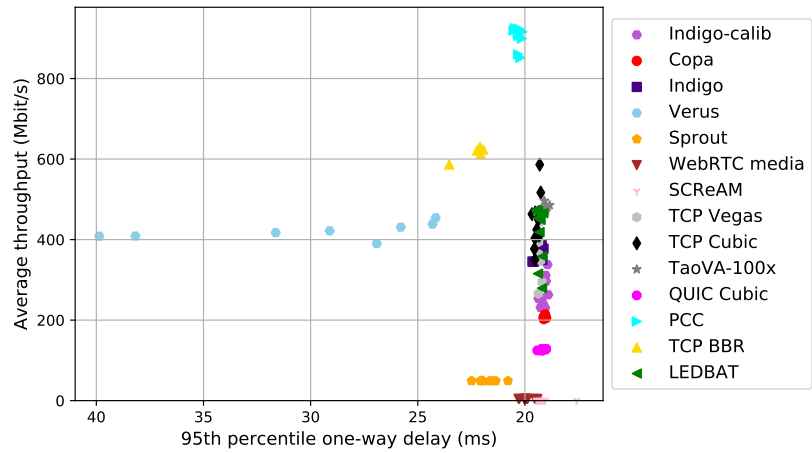
Git summary:

```
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	5	301.02	277.34	242.35	22.90	21.53	21.31	15.64	19.36	22.60
TCP Cubic	10	259.82	182.85	190.46	19.39	19.47	19.28	0.11	0.13	0.22
LEDBAT	10	241.58	191.76	138.61	19.30	19.20	19.16	0.02	0.04	0.06
PCC	10	797.41	125.26	66.91	20.29	20.26	20.19	0.54	0.47	0.66
QUIC Cubic	10	68.65	61.30	53.38	18.90	19.21	19.53	0.00	0.00	0.00
SCReAM	9	0.22	0.22	0.22	18.70	18.92	18.90	0.00	0.00	0.00
WebRTC media	10	2.31	1.46	0.56	19.64	20.17	20.43	0.00	0.00	0.00
Sprout	10	24.72	24.65	24.44	21.64	21.56	21.21	0.03	0.04	0.02
TaoVA-100x	10	257.01	243.29	234.82	18.87	18.96	18.63	0.01	0.01	0.02
TCP Vegas	8	173.31	194.73	170.71	688.74	19.18	19.07	0.05	0.05	0.11
Verus	8	209.95	207.94	178.96	34.15	25.42	21.87	13.81	15.73	13.10
Copa	10	104.58	105.97	122.09	18.88	19.00	18.88	0.01	0.01	0.02
Indigo	6	182.79	173.12	155.29	19.15	19.09	19.35	0.01	0.01	0.01
Indigo-calib	10	146.09	126.96	144.90	18.73	18.68	19.10	0.01	0.01	0.02

Run 1: Statistics of TCP BBR

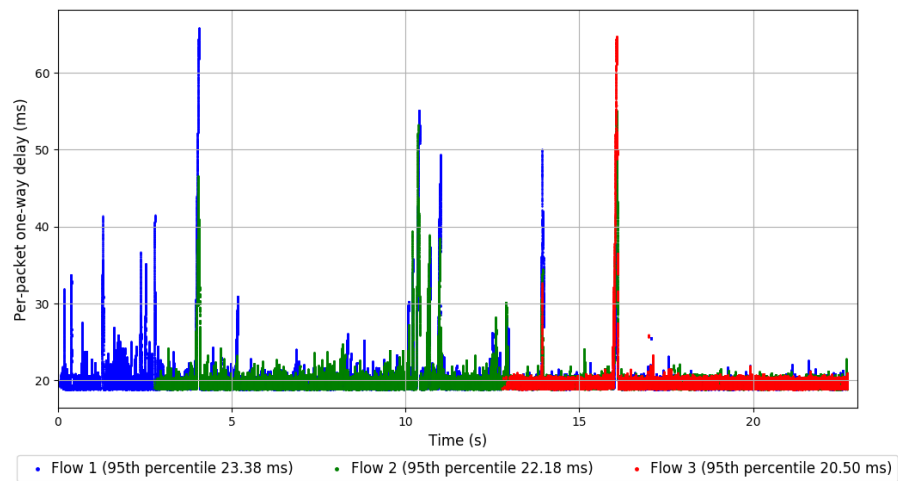
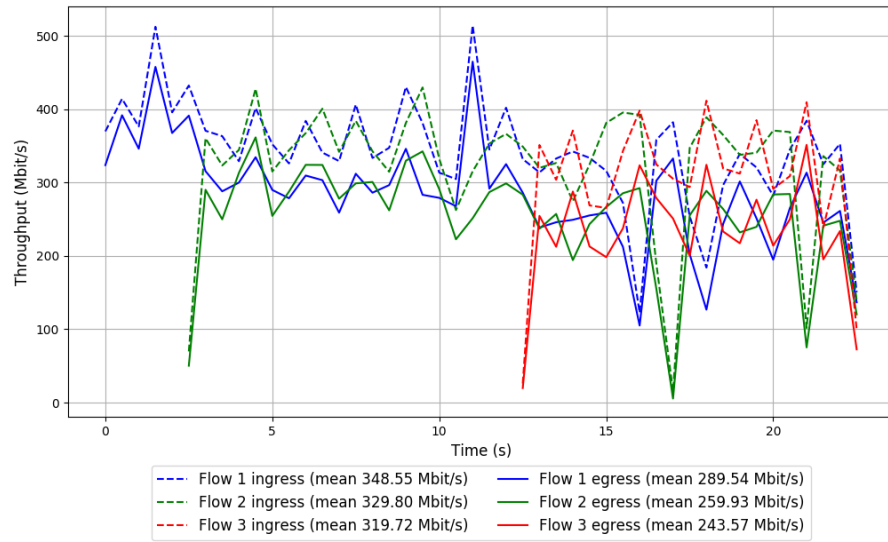
Start at: 2017-12-05 22:25:30

End at: 2017-12-05 22:26:00

Local clock offset: 1.264 ms

Remote clock offset: -1.017 ms

Run 1: Report of TCP BBR — Data Link

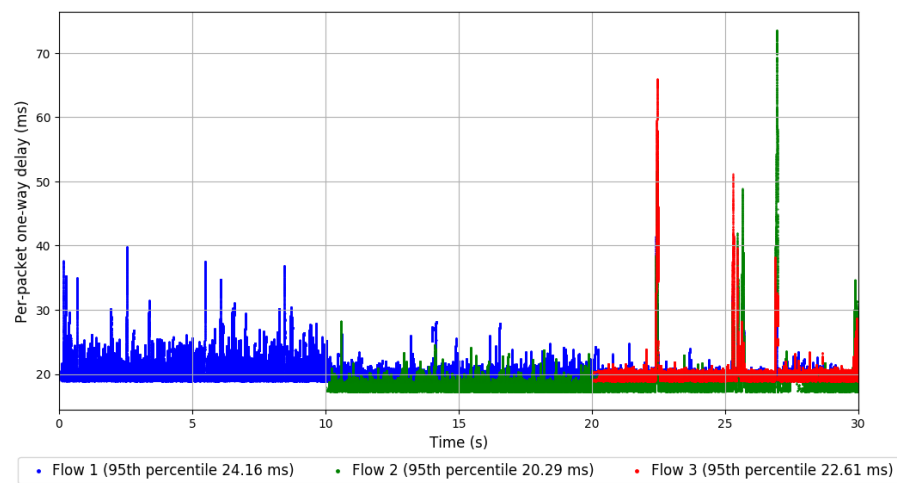
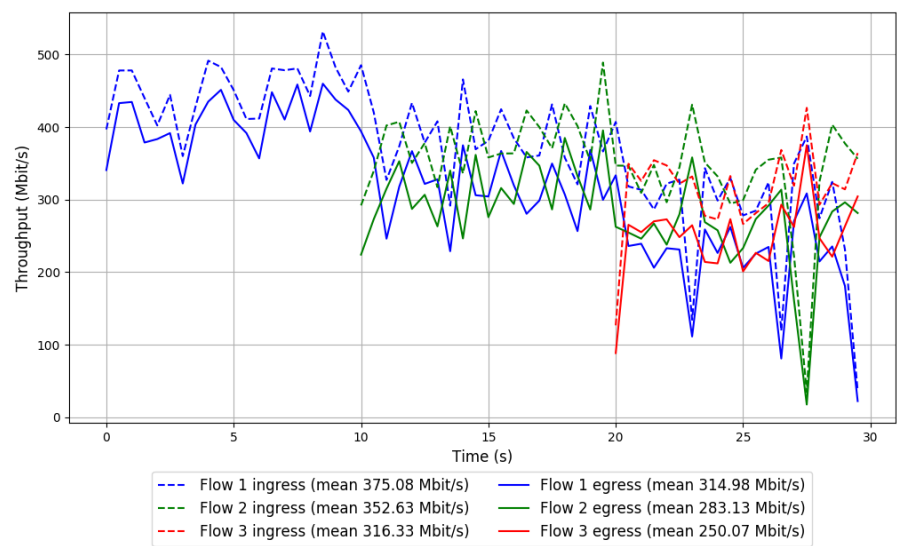


Run 2: Statistics of TCP BBR

Start at: 2017-12-05 22:45:32
End at: 2017-12-05 22:46:02
Local clock offset: 1.181 ms
Remote clock offset: -1.142 ms

Below is generated by plot.py at 2017-12-06 03:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 586.46 Mbit/s
95th percentile per-packet one-way delay: 23.531 ms
Loss rate: 17.95%
-- Flow 1:
Average throughput: 314.98 Mbit/s
95th percentile per-packet one-way delay: 24.165 ms
Loss rate: 16.02%
-- Flow 2:
Average throughput: 283.13 Mbit/s
95th percentile per-packet one-way delay: 20.291 ms
Loss rate: 19.71%
-- Flow 3:
Average throughput: 250.07 Mbit/s
95th percentile per-packet one-way delay: 22.607 ms
Loss rate: 20.94%

Run 2: Report of TCP BBR — Data Link

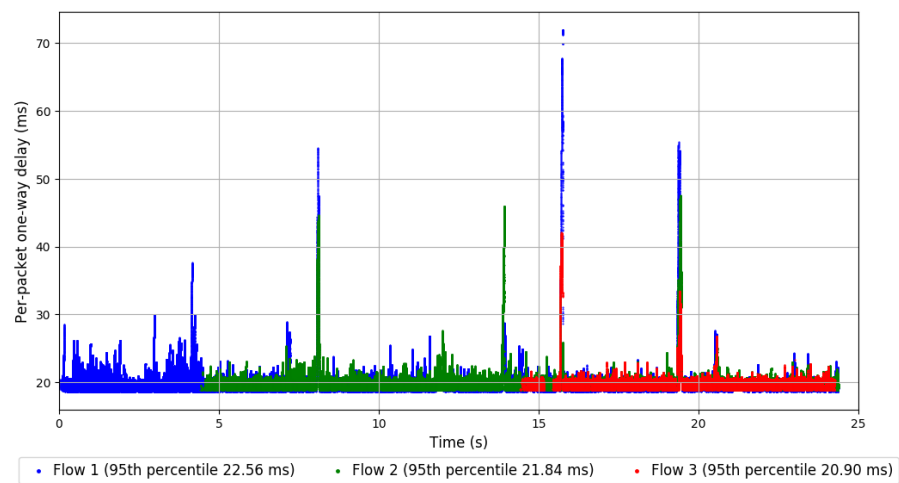
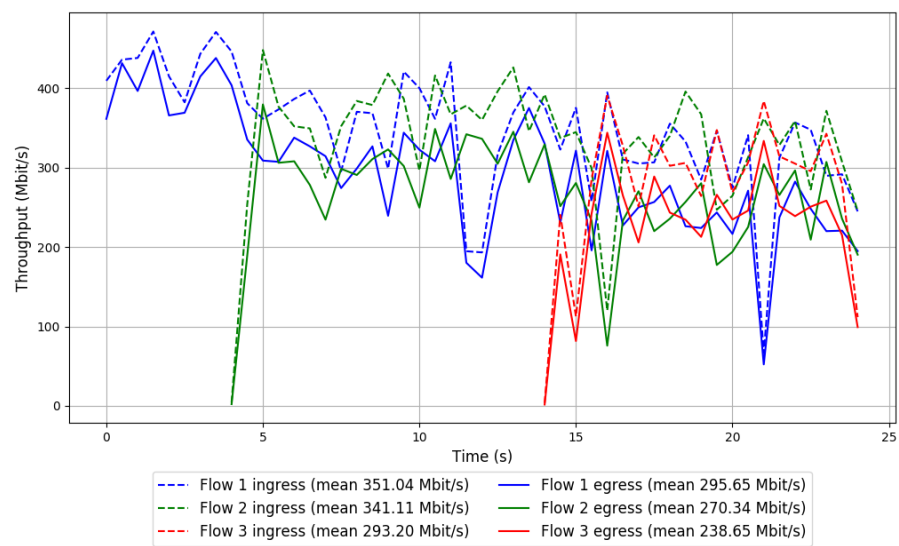


Run 3: Statistics of TCP BBR

Start at: 2017-12-05 23:05:36
End at: 2017-12-05 23:06:06
Local clock offset: 1.113 ms
Remote clock offset: -1.383 ms

Below is generated by plot.py at 2017-12-06 03:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 613.77 Mbit/s
95th percentile per-packet one-way delay: 22.065 ms
Loss rate: 18.08%
-- Flow 1:
Average throughput: 295.65 Mbit/s
95th percentile per-packet one-way delay: 22.560 ms
Loss rate: 15.78%
-- Flow 2:
Average throughput: 270.34 Mbit/s
95th percentile per-packet one-way delay: 21.839 ms
Loss rate: 20.74%
-- Flow 3:
Average throughput: 238.65 Mbit/s
95th percentile per-packet one-way delay: 20.896 ms
Loss rate: 18.59%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

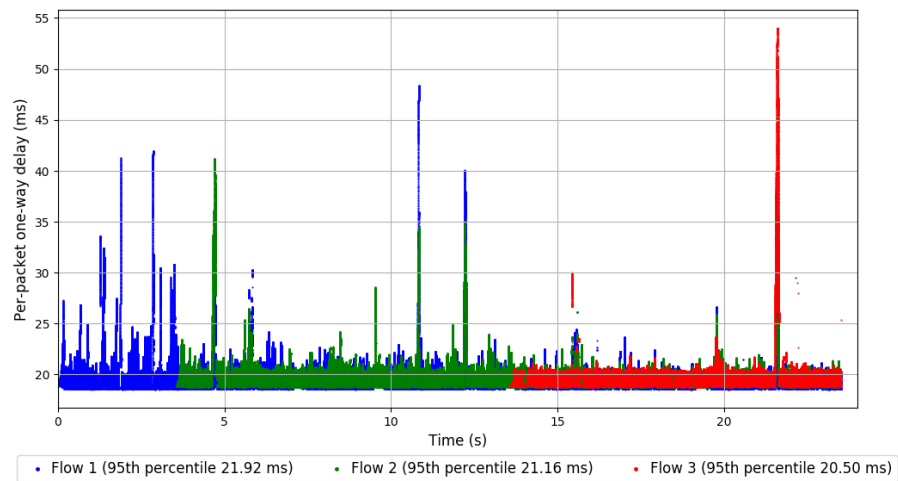
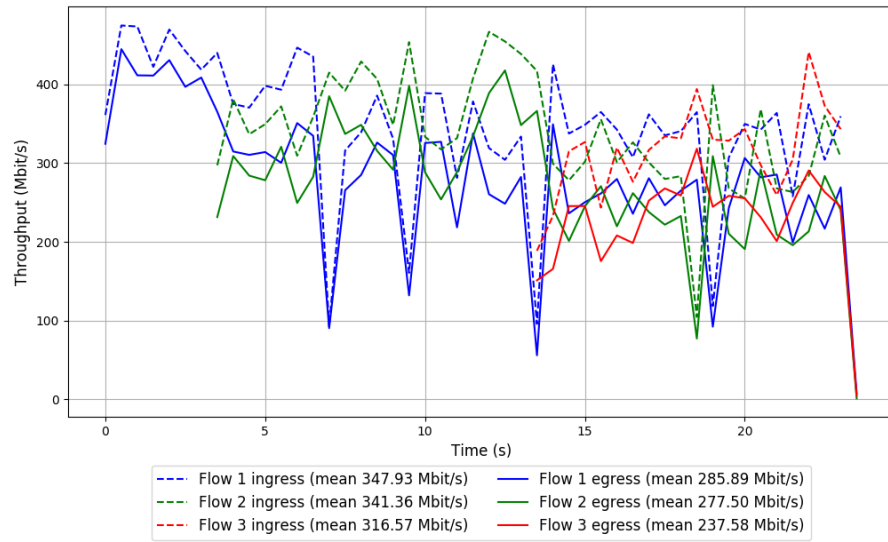
Start at: 2017-12-05 23:25:37

End at: 2017-12-05 23:26:07

Local clock offset: 0.861 ms

Remote clock offset: -1.272 ms

Run 4: Report of TCP BBR — Data Link

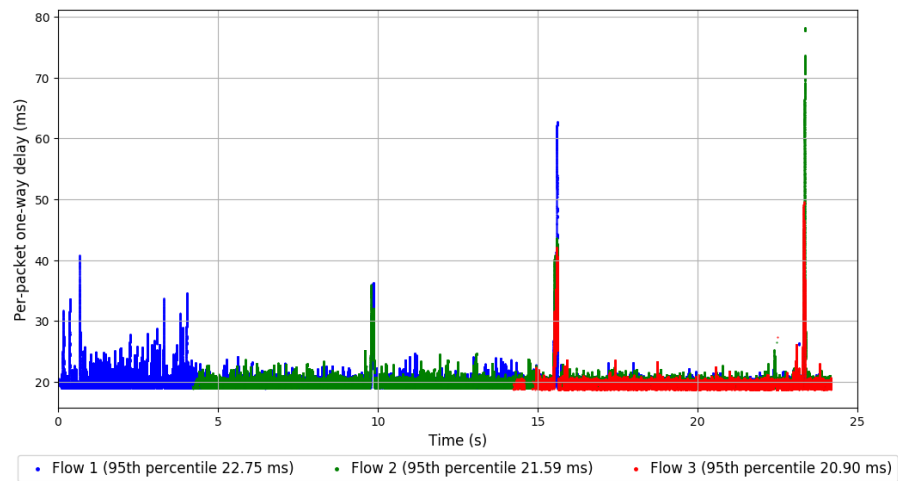
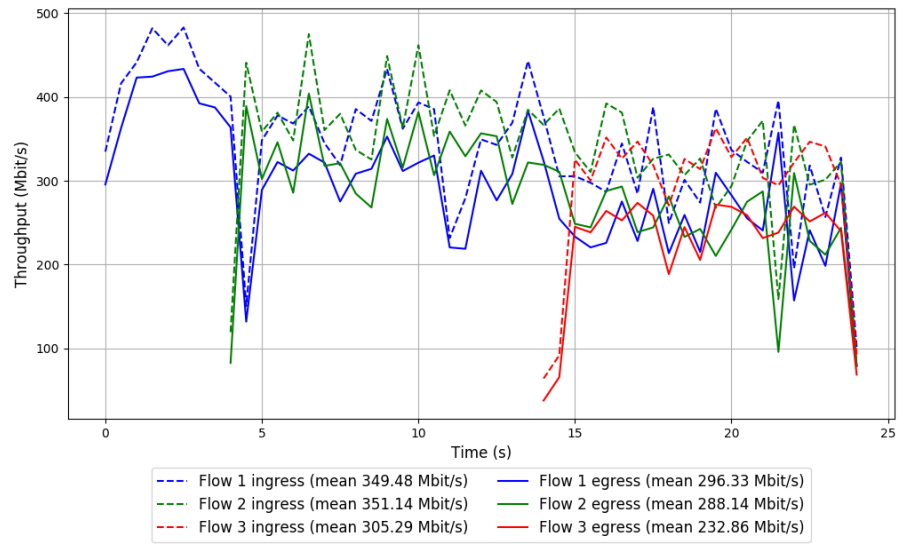


Run 5: Statistics of TCP BBR

Start at: 2017-12-05 23:45:50
End at: 2017-12-05 23:46:20
Local clock offset: 0.456 ms
Remote clock offset: -1.046 ms

Below is generated by plot.py at 2017-12-06 03:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 630.28 Mbit/s
95th percentile per-packet one-way delay: 22.097 ms
Loss rate: 17.64%
-- Flow 1:
Average throughput: 296.33 Mbit/s
95th percentile per-packet one-way delay: 22.753 ms
Loss rate: 15.21%
-- Flow 2:
Average throughput: 288.14 Mbit/s
95th percentile per-packet one-way delay: 21.587 ms
Loss rate: 17.94%
-- Flow 3:
Average throughput: 232.86 Mbit/s
95th percentile per-packet one-way delay: 20.899 ms
Loss rate: 23.71%

Run 5: Report of TCP BBR — Data Link

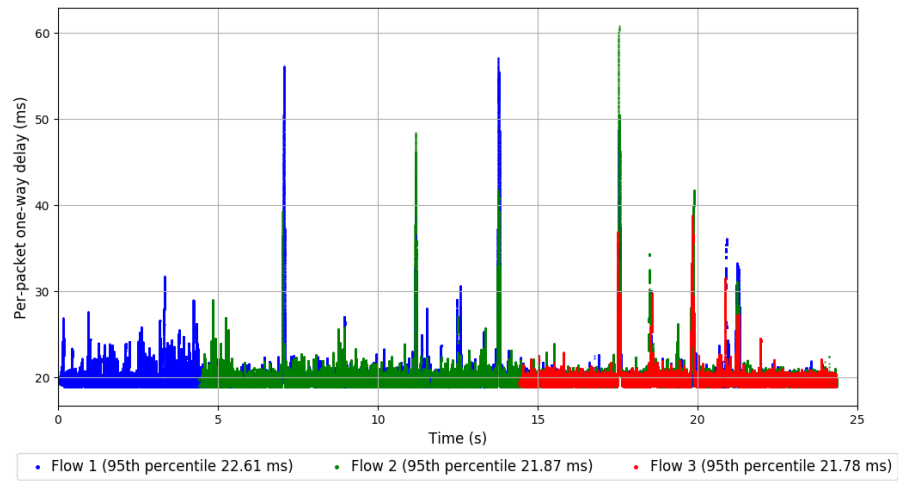
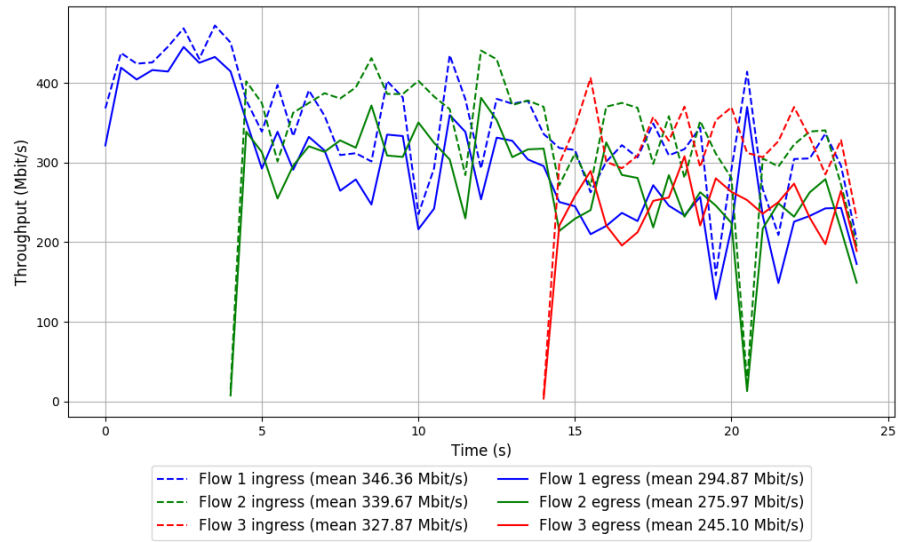


Run 6: Statistics of TCP BBR

Start at: 2017-12-06 00:06:11
End at: 2017-12-06 00:06:41
Local clock offset: 0.343 ms
Remote clock offset: -1.103 ms

Below is generated by plot.py at 2017-12-06 03:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 621.42 Mbit/s
95th percentile per-packet one-way delay: 22.228 ms
Loss rate: 18.12%
-- Flow 1:
Average throughput: 294.87 Mbit/s
95th percentile per-packet one-way delay: 22.614 ms
Loss rate: 14.86%
-- Flow 2:
Average throughput: 275.97 Mbit/s
95th percentile per-packet one-way delay: 21.869 ms
Loss rate: 18.75%
-- Flow 3:
Average throughput: 245.10 Mbit/s
95th percentile per-packet one-way delay: 21.781 ms
Loss rate: 25.24%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

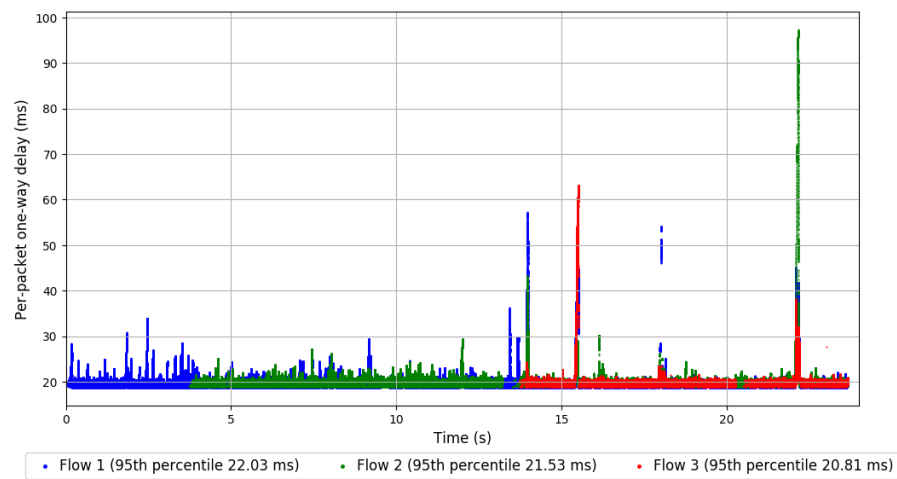
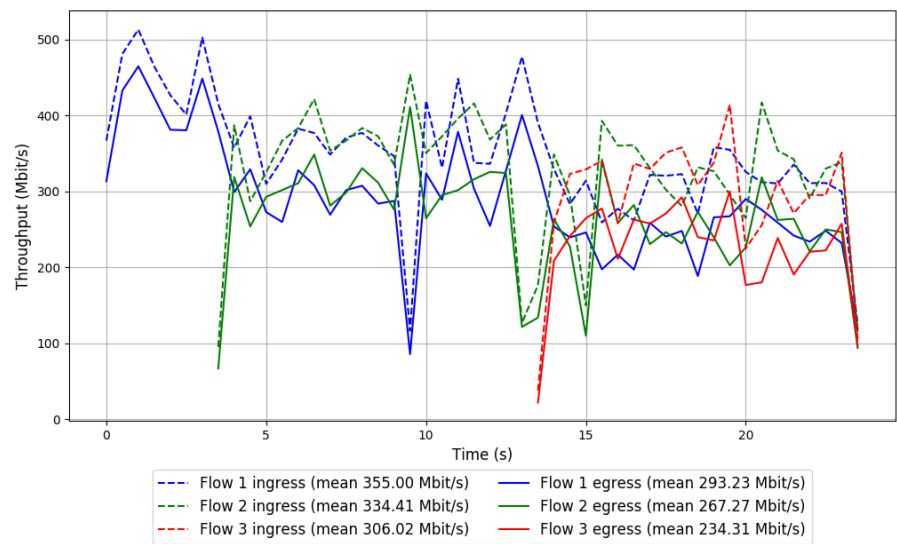
Start at: 2017-12-06 00:26:25

End at: 2017-12-06 00:26:55

Local clock offset: 0.452 ms

Remote clock offset: -0.89 ms

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

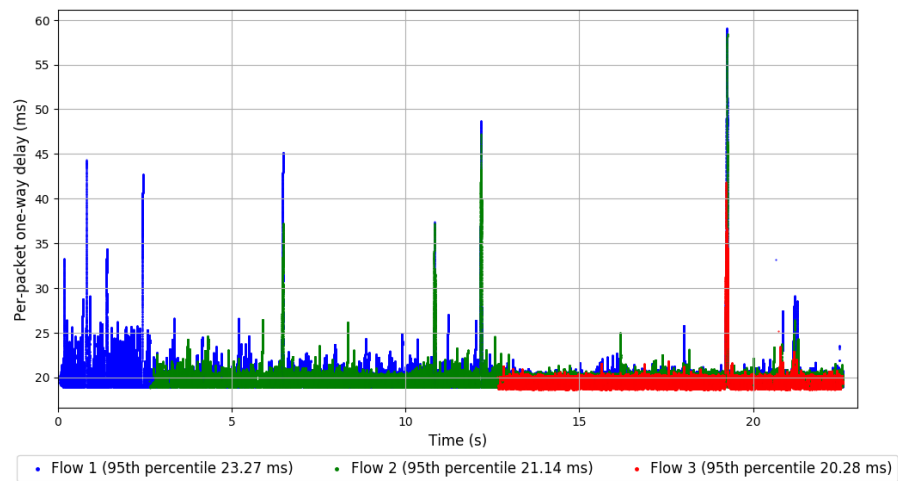
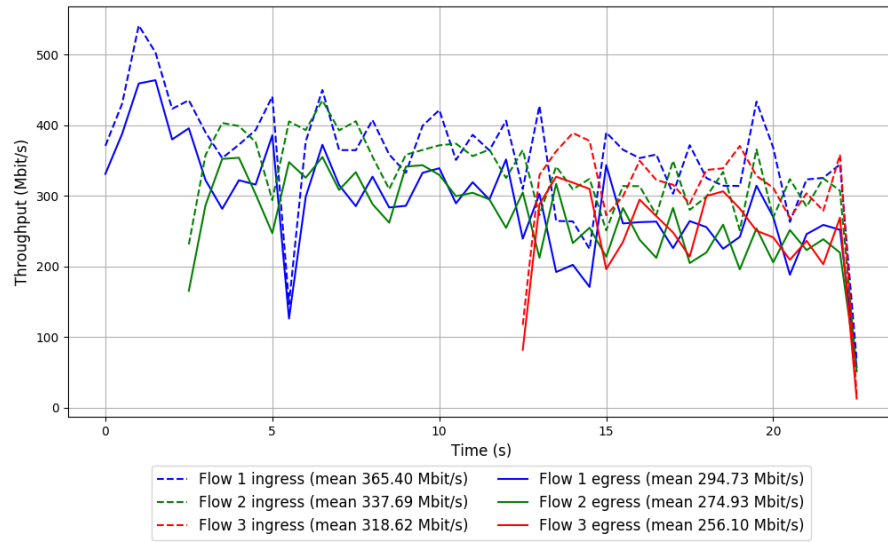
Start at: 2017-12-06 00:46:34

End at: 2017-12-06 00:47:04

Local clock offset: 0.726 ms

Remote clock offset: -0.657 ms

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

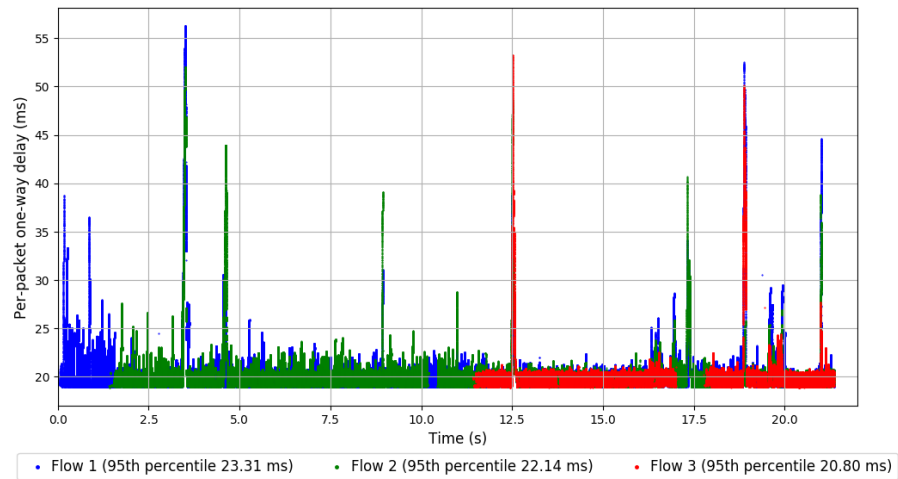
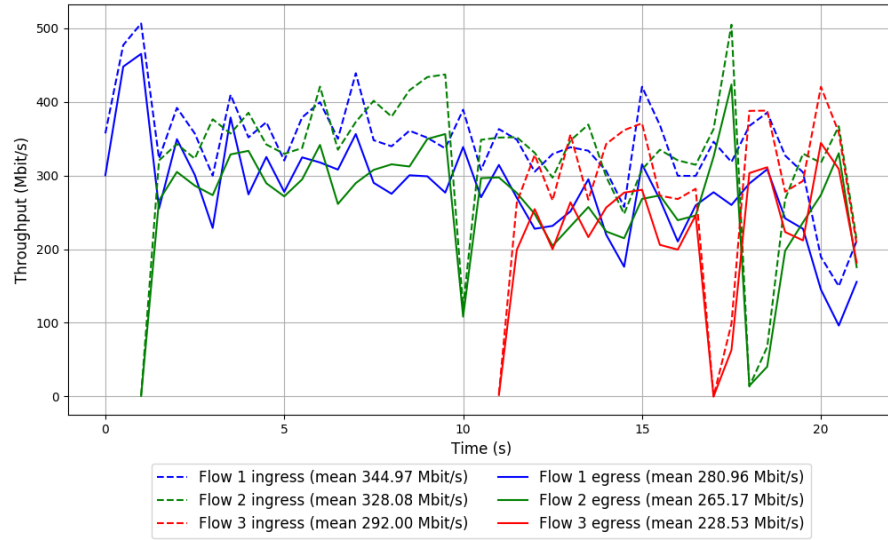
Start at: 2017-12-06 01:06:43

End at: 2017-12-06 01:07:13

Local clock offset: 1.043 ms

Remote clock offset: -0.615 ms

Run 9: Report of TCP BBR — Data Link

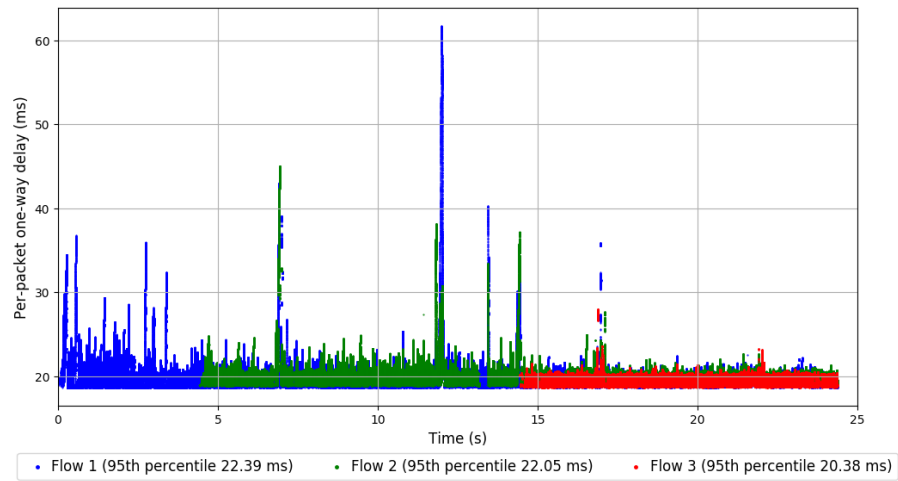
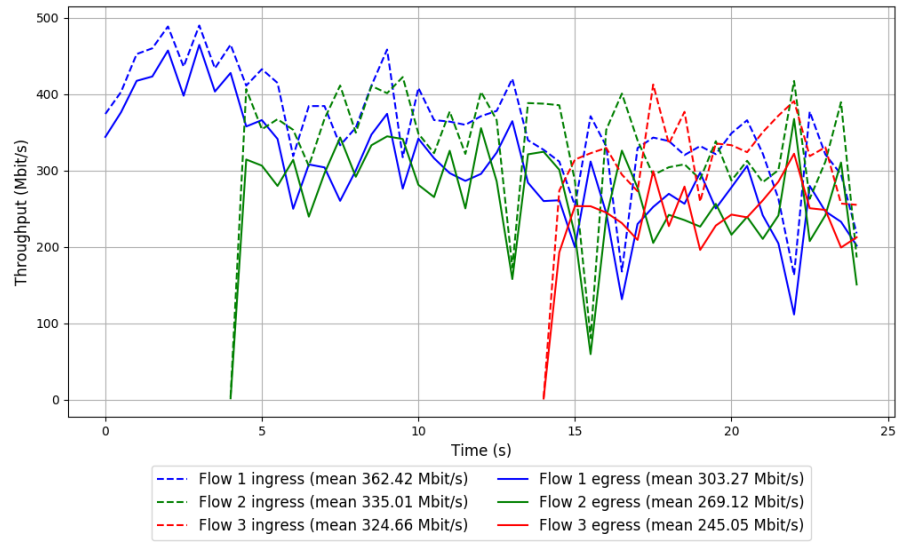


Run 10: Statistics of TCP BBR

Start at: 2017-12-06 01:26:54
End at: 2017-12-06 01:27:24
Local clock offset: 1.151 ms
Remote clock offset: -0.674 ms

Below is generated by plot.py at 2017-12-06 03:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 623.80 Mbit/s
95th percentile per-packet one-way delay: 21.945 ms
Loss rate: 18.93%
-- Flow 1:
Average throughput: 303.27 Mbit/s
95th percentile per-packet one-way delay: 22.393 ms
Loss rate: 16.32%
-- Flow 2:
Average throughput: 269.12 Mbit/s
95th percentile per-packet one-way delay: 22.048 ms
Loss rate: 19.67%
-- Flow 3:
Average throughput: 245.05 Mbit/s
95th percentile per-packet one-way delay: 20.381 ms
Loss rate: 24.53%

Run 10: Report of TCP BBR — Data Link

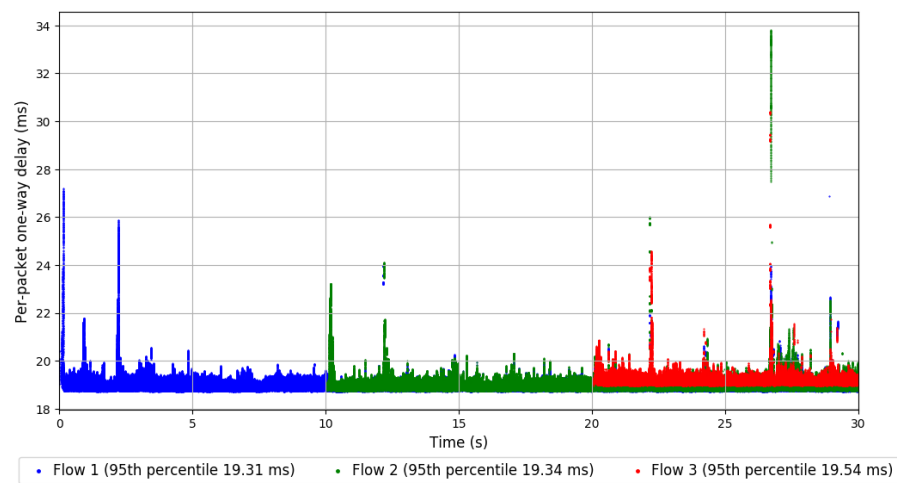
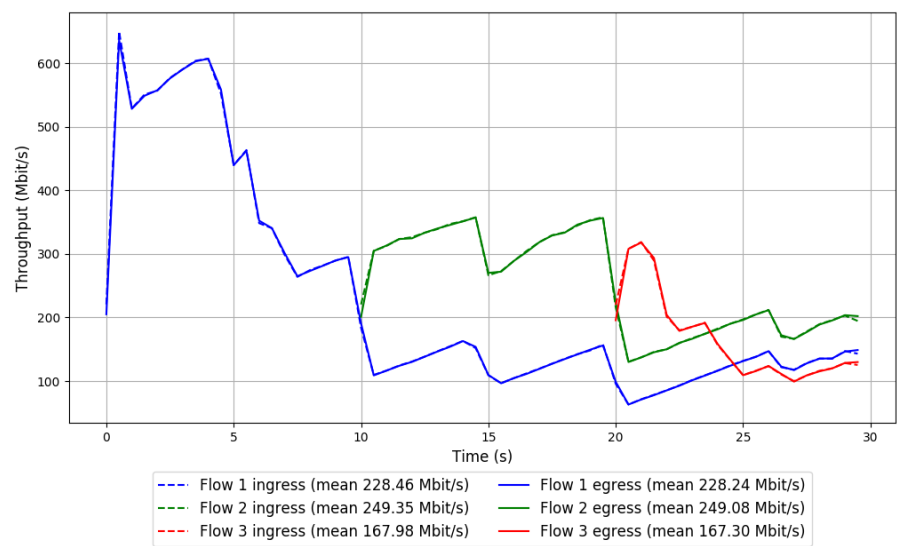


Run 1: Statistics of TCP Cubic

Start at: 2017-12-05 22:28:32
End at: 2017-12-05 22:29:02
Local clock offset: 1.175 ms
Remote clock offset: -0.914 ms

Below is generated by plot.py at 2017-12-06 03:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 449.65 Mbit/s
95th percentile per-packet one-way delay: 19.376 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 228.24 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 249.08 Mbit/s
95th percentile per-packet one-way delay: 19.341 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 167.30 Mbit/s
95th percentile per-packet one-way delay: 19.535 ms
Loss rate: 0.40%

Run 1: Report of TCP Cubic — Data Link

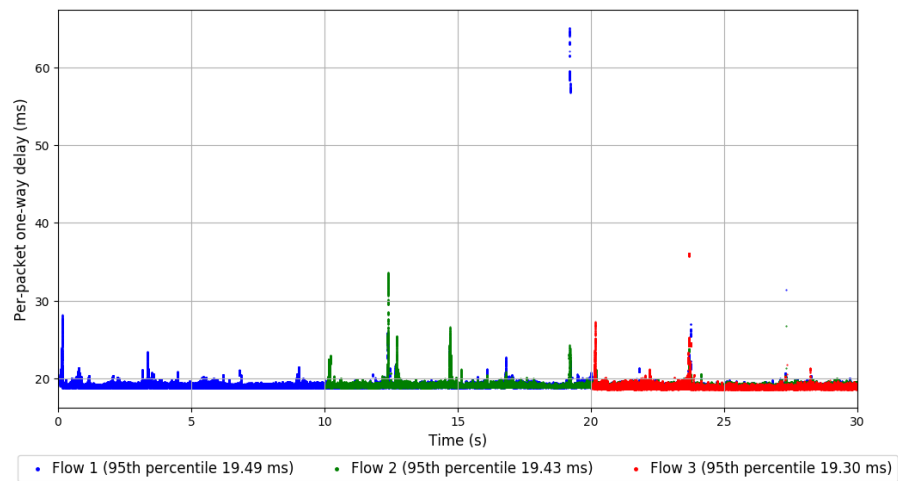
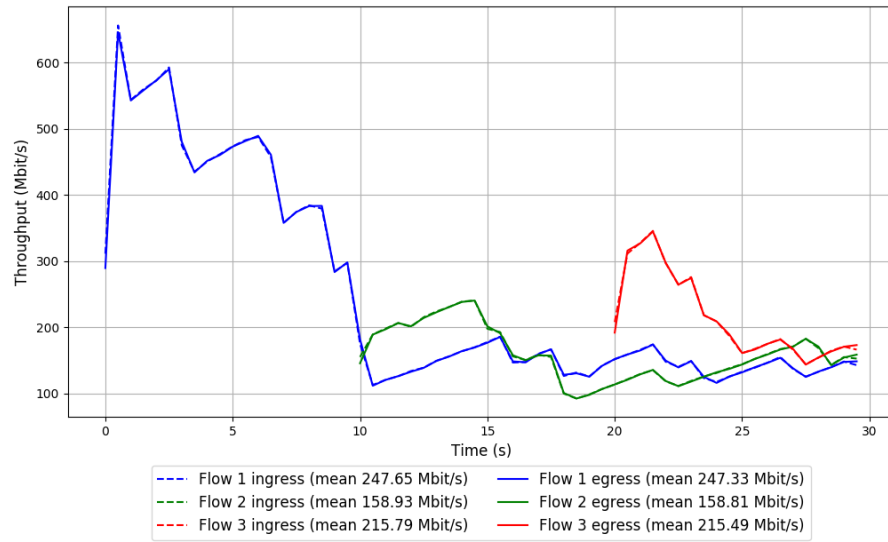


Run 2: Statistics of TCP Cubic

Start at: 2017-12-05 22:48:41
End at: 2017-12-05 22:49:11
Local clock offset: 1.239 ms
Remote clock offset: -1.221 ms

Below is generated by plot.py at 2017-12-06 03:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 424.65 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 247.33 Mbit/s
95th percentile per-packet one-way delay: 19.491 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 158.81 Mbit/s
95th percentile per-packet one-way delay: 19.435 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 215.49 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.13%

Run 2: Report of TCP Cubic — Data Link

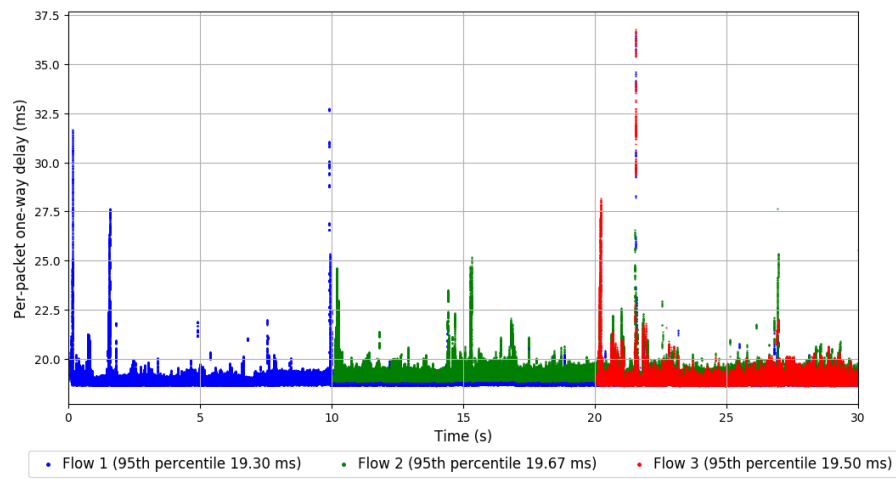
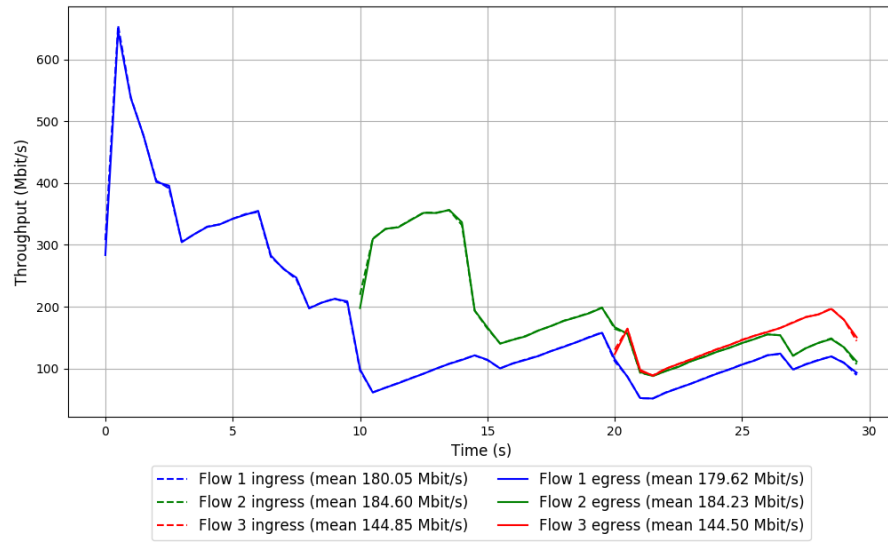


Run 3: Statistics of TCP Cubic

Start at: 2017-12-05 23:08:42
End at: 2017-12-05 23:09:12
Local clock offset: 1.071 ms
Remote clock offset: -1.405 ms

Below is generated by plot.py at 2017-12-06 03:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.18 Mbit/s
95th percentile per-packet one-way delay: 19.532 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 179.62 Mbit/s
95th percentile per-packet one-way delay: 19.296 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 184.23 Mbit/s
95th percentile per-packet one-way delay: 19.669 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 144.50 Mbit/s
95th percentile per-packet one-way delay: 19.503 ms
Loss rate: 0.17%

Run 3: Report of TCP Cubic — Data Link

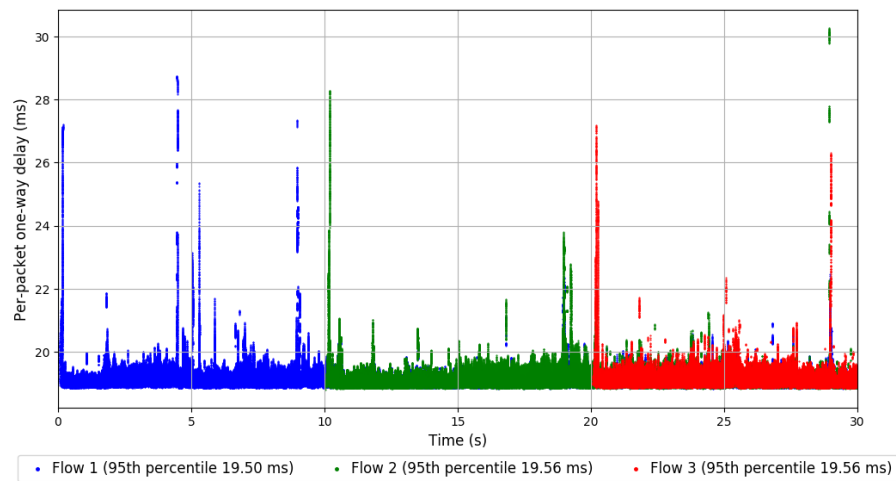
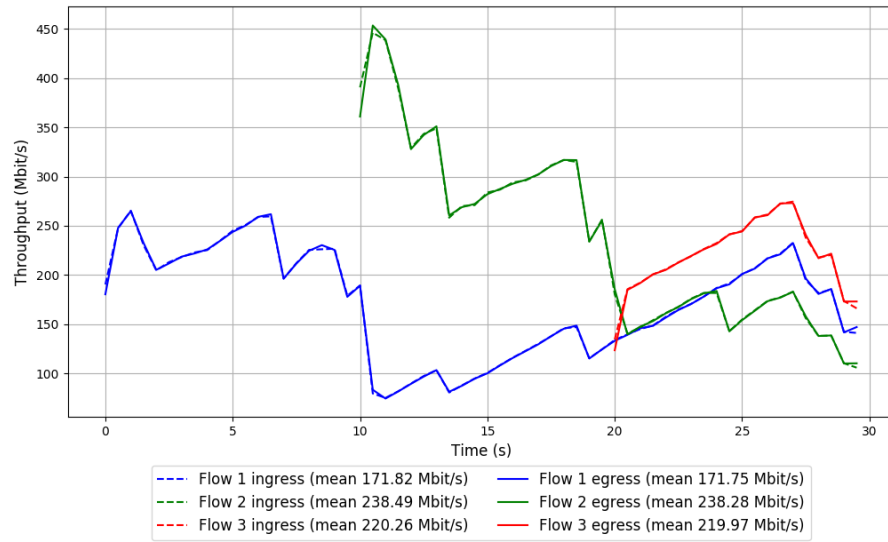


Run 4: Statistics of TCP Cubic

Start at: 2017-12-05 23:28:45
End at: 2017-12-05 23:29:15
Local clock offset: 0.795 ms
Remote clock offset: -1.178 ms

Below is generated by plot.py at 2017-12-06 03:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 403.32 Mbit/s
95th percentile per-packet one-way delay: 19.533 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 171.75 Mbit/s
95th percentile per-packet one-way delay: 19.498 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 238.28 Mbit/s
95th percentile per-packet one-way delay: 19.559 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 219.97 Mbit/s
95th percentile per-packet one-way delay: 19.558 ms
Loss rate: 0.13%

Run 4: Report of TCP Cubic — Data Link

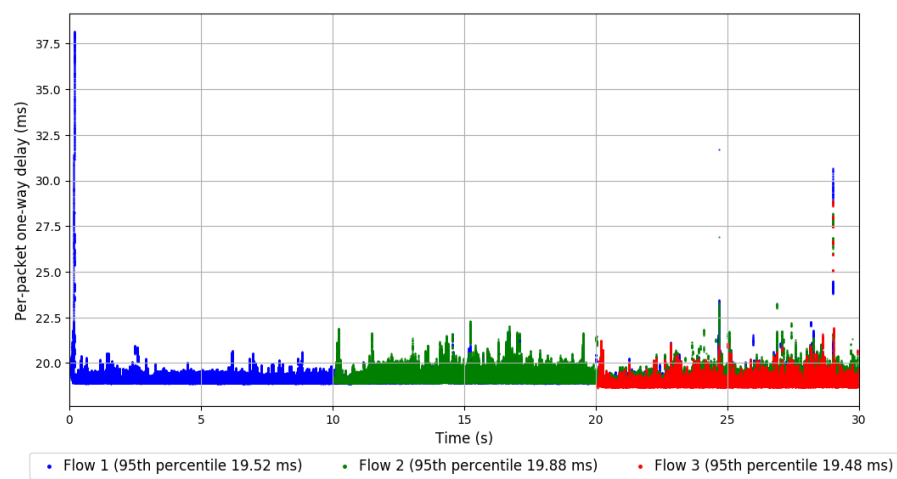
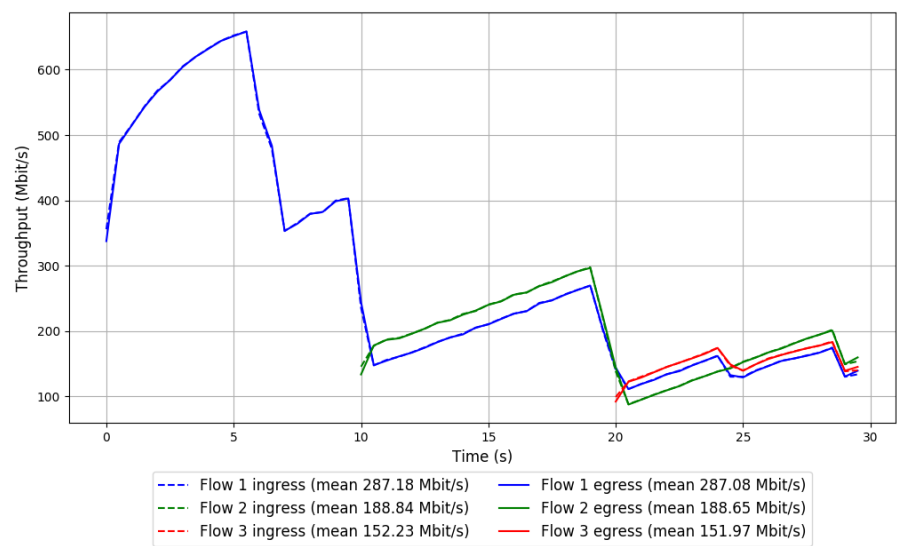


Run 5: Statistics of TCP Cubic

Start at: 2017-12-05 23:48:59
End at: 2017-12-05 23:49:29
Local clock offset: 0.418 ms
Remote clock offset: -1.145 ms

Below is generated by plot.py at 2017-12-06 03:52:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 463.19 Mbit/s
95th percentile per-packet one-way delay: 19.670 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 287.08 Mbit/s
95th percentile per-packet one-way delay: 19.515 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 188.65 Mbit/s
95th percentile per-packet one-way delay: 19.878 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 151.97 Mbit/s
95th percentile per-packet one-way delay: 19.484 ms
Loss rate: 0.17%

Run 5: Report of TCP Cubic — Data Link

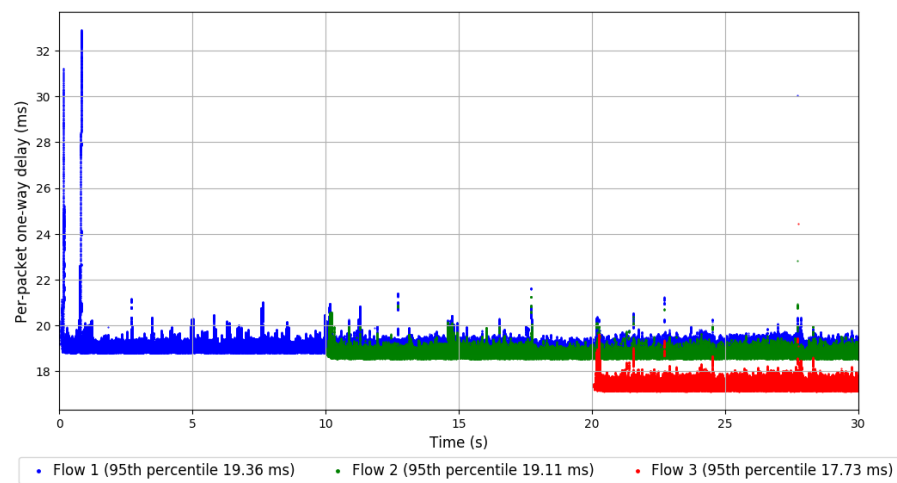
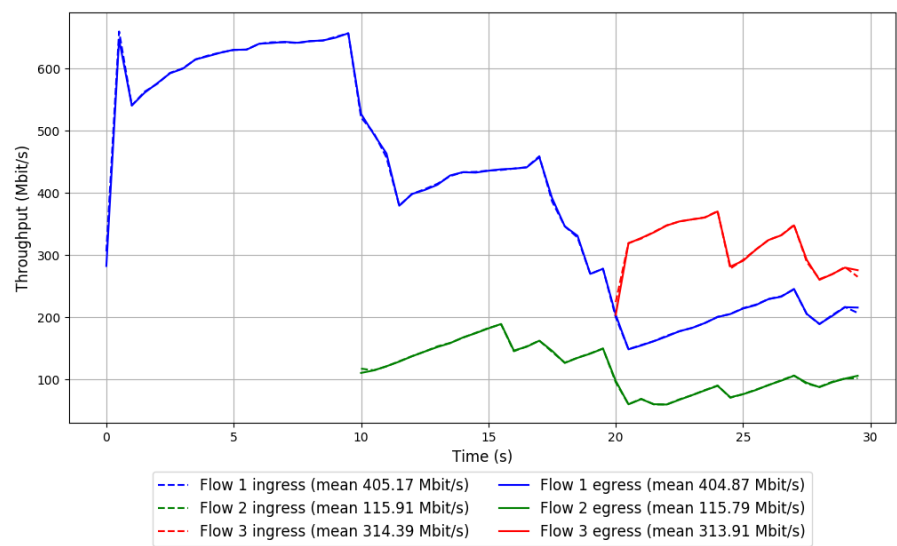


Run 6: Statistics of TCP Cubic

Start at: 2017-12-06 00:09:13
End at: 2017-12-06 00:09:43
Local clock offset: 0.447 ms
Remote clock offset: -1.086 ms

Below is generated by plot.py at 2017-12-06 03:53:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 586.16 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 404.87 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 115.79 Mbit/s
95th percentile per-packet one-way delay: 19.112 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 313.91 Mbit/s
95th percentile per-packet one-way delay: 17.730 ms
Loss rate: 0.15%

Run 6: Report of TCP Cubic — Data Link

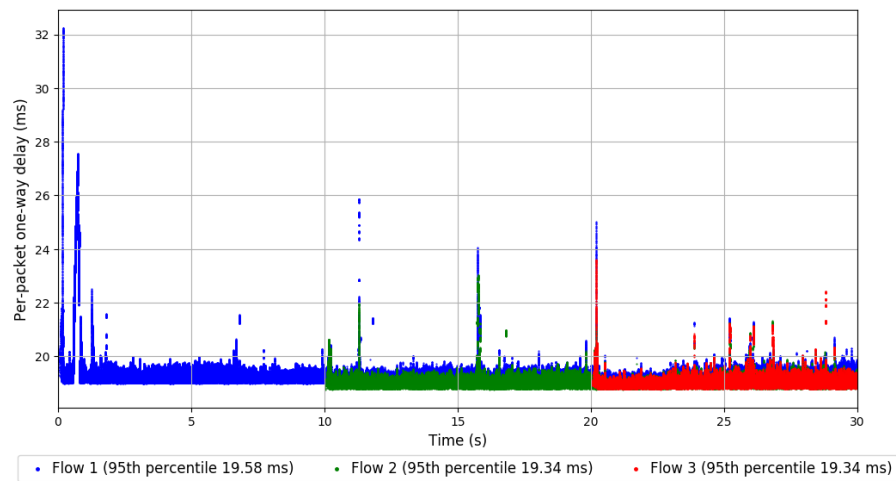
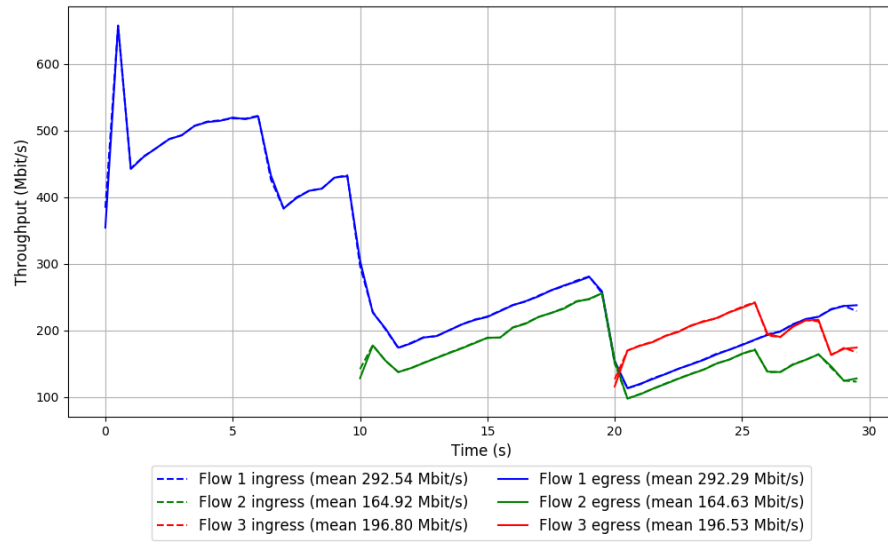


Run 7: Statistics of TCP Cubic

Start at: 2017-12-06 00:29:28
End at: 2017-12-06 00:29:58
Local clock offset: 0.464 ms
Remote clock offset: -0.757 ms

Below is generated by plot.py at 2017-12-06 03:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 467.17 Mbit/s
95th percentile per-packet one-way delay: 19.517 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 292.29 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 164.63 Mbit/s
95th percentile per-packet one-way delay: 19.336 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 196.53 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.14%

Run 7: Report of TCP Cubic — Data Link

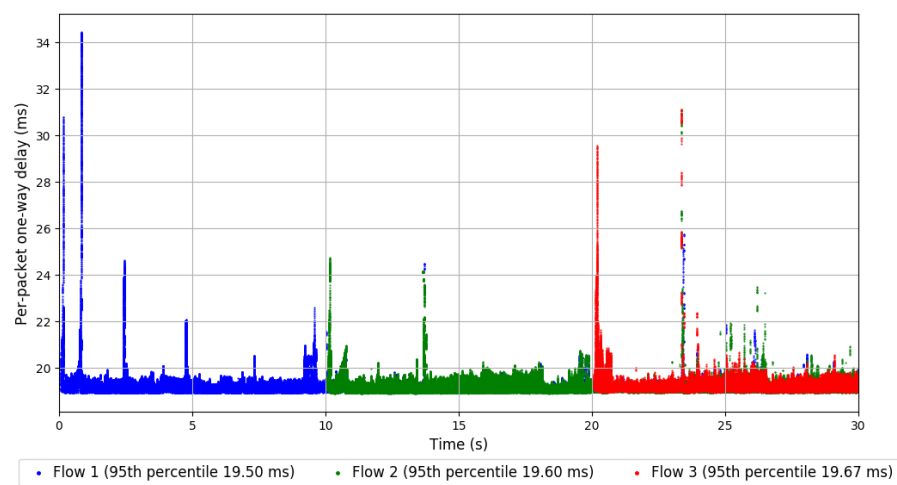
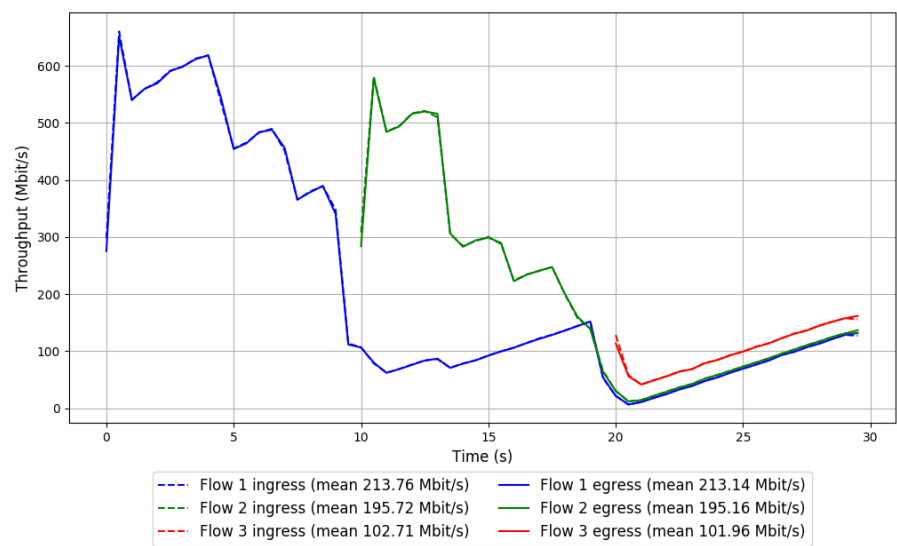


Run 8: Statistics of TCP Cubic

Start at: 2017-12-06 00:49:36
End at: 2017-12-06 00:50:06
Local clock offset: 0.678 ms
Remote clock offset: -0.681 ms

Below is generated by plot.py at 2017-12-06 03:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.94 Mbit/s
95th percentile per-packet one-way delay: 19.557 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 213.14 Mbit/s
95th percentile per-packet one-way delay: 19.504 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 195.16 Mbit/s
95th percentile per-packet one-way delay: 19.596 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 101.96 Mbit/s
95th percentile per-packet one-way delay: 19.674 ms
Loss rate: 0.73%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-12-06 01:09:45

End at: 2017-12-06 01:10:15

Local clock offset: 1.087 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2017-12-06 03:57:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.74 Mbit/s

95th percentile per-packet one-way delay: 19.260 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 349.20 Mbit/s

95th percentile per-packet one-way delay: 19.168 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 165.58 Mbit/s

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

Loss rate: 0.02%

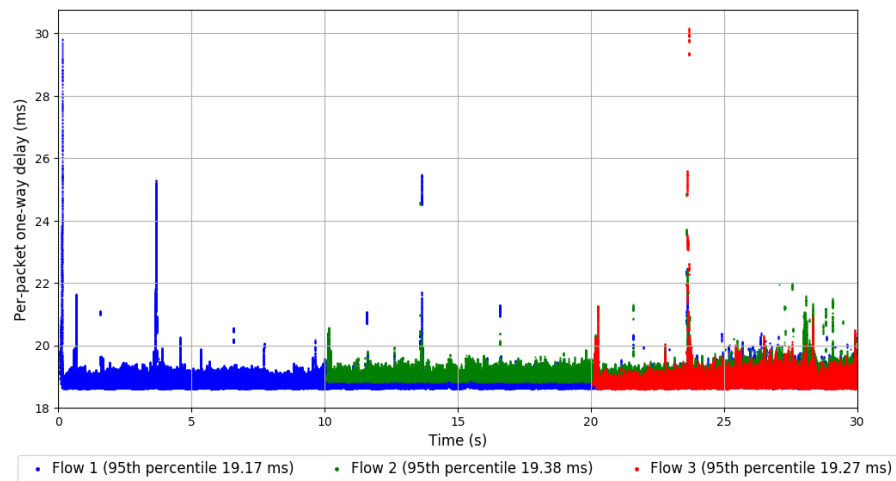
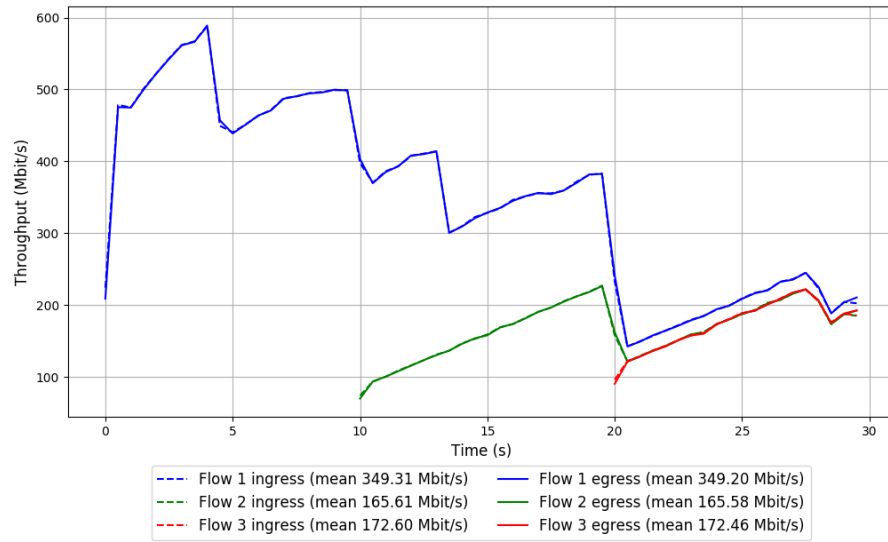
-- Flow 3:

Average throughput: 172.46 Mbit/s

95th percentile per-packet one-way delay: 19.269 ms

Loss rate: 0.08%

Run 9: Report of TCP Cubic — Data Link

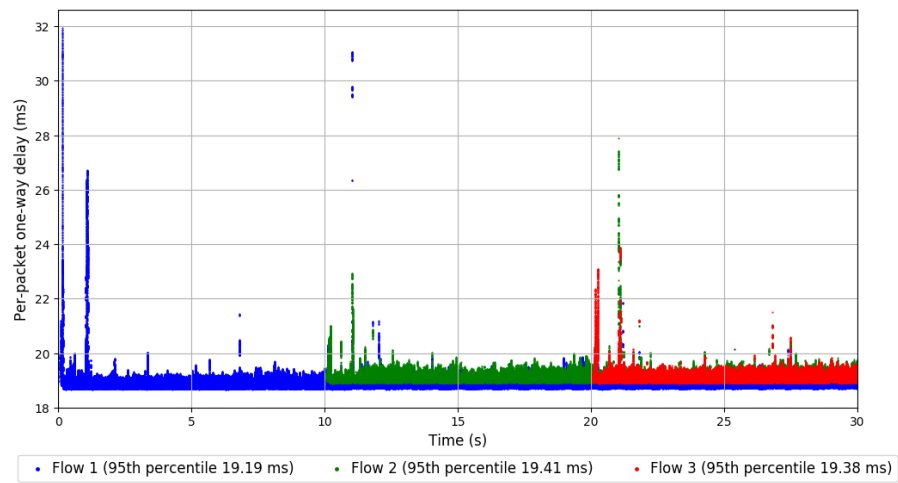
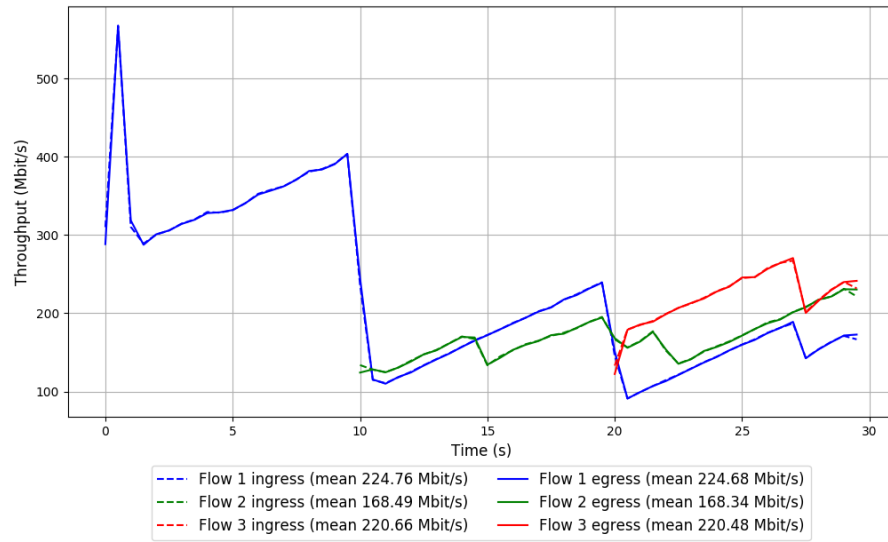


Run 10: Statistics of TCP Cubic

Start at: 2017-12-06 01:30:01
End at: 2017-12-06 01:30:31
Local clock offset: 1.187 ms
Remote clock offset: -0.768 ms

Below is generated by plot.py at 2017-12-06 03:57:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.96 Mbit/s
95th percentile per-packet one-way delay: 19.334 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 224.68 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 168.34 Mbit/s
95th percentile per-packet one-way delay: 19.406 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 220.48 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.08%

Run 10: Report of TCP Cubic — Data Link

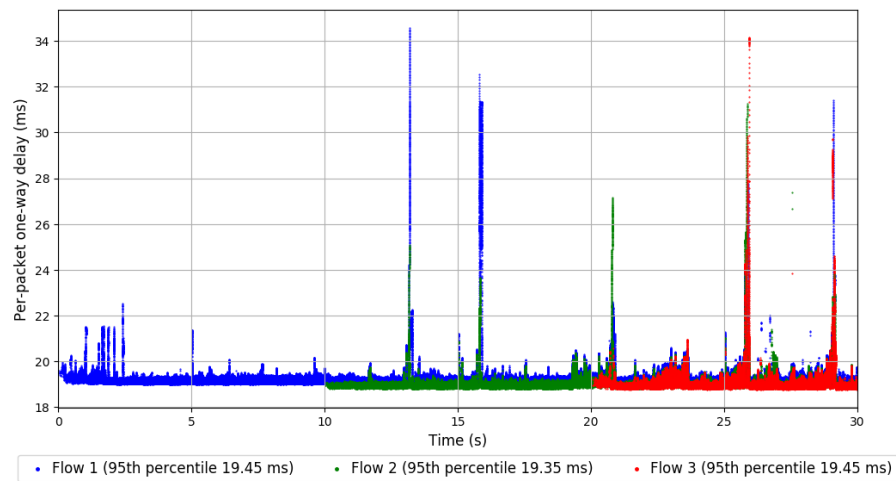
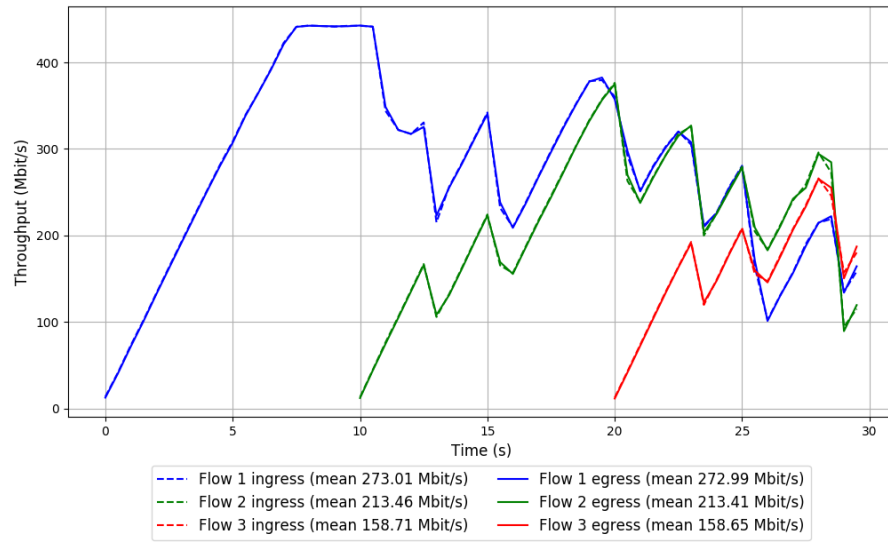


```
Run 1: Statistics of LEDBAT

Start at: 2017-12-05 22:34:17
End at: 2017-12-05 22:34:47
Local clock offset: 1.184 ms
Remote clock offset: -0.77 ms

# Below is generated by plot.py at 2017-12-06 03:57:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 467.68 Mbit/s
95th percentile per-packet one-way delay: 19.431 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 272.99 Mbit/s
95th percentile per-packet one-way delay: 19.450 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 213.41 Mbit/s
95th percentile per-packet one-way delay: 19.347 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 158.65 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.04%
```


Run 1: Report of LEDBAT — Data Link

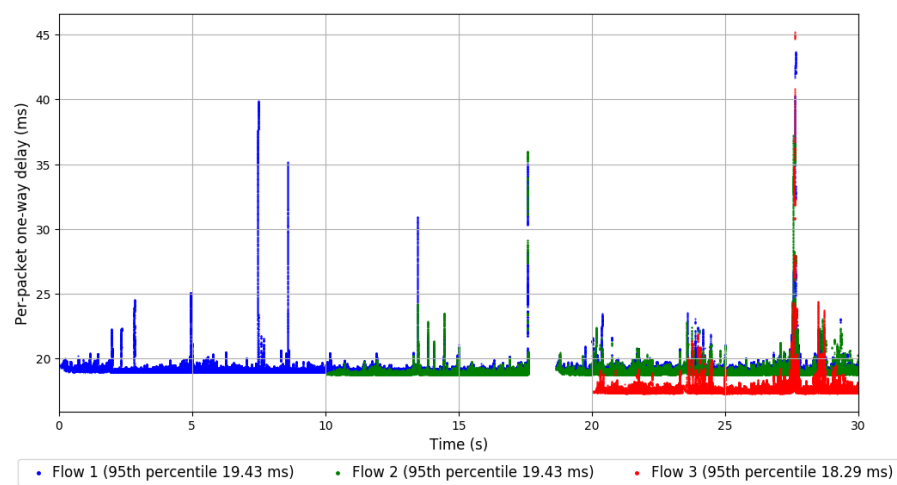
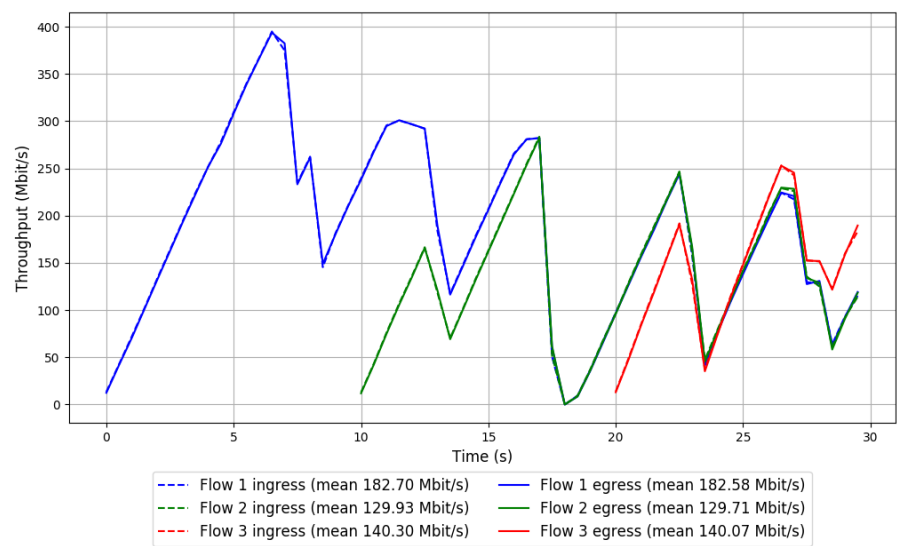


```
Run 2: Statistics of LEDBAT

Start at: 2017-12-05 22:54:31
End at: 2017-12-05 22:55:01
Local clock offset: 1.122 ms
Remote clock offset: -1.265 ms

# Below is generated by plot.py at 2017-12-06 03:57:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 315.44 Mbit/s
95th percentile per-packet one-way delay: 19.391 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 182.58 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 129.71 Mbit/s
95th percentile per-packet one-way delay: 19.431 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 140.07 Mbit/s
95th percentile per-packet one-way delay: 18.287 ms
Loss rate: 0.16%
```

Run 2: Report of LEDBAT — Data Link

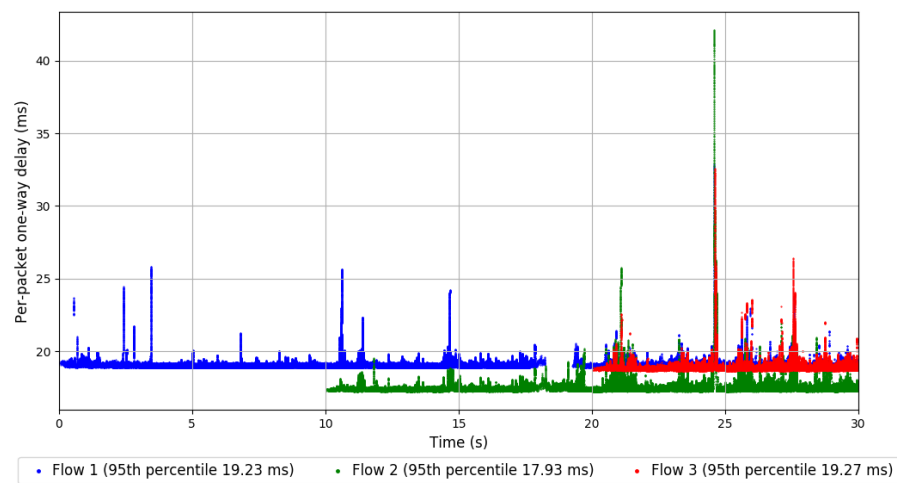
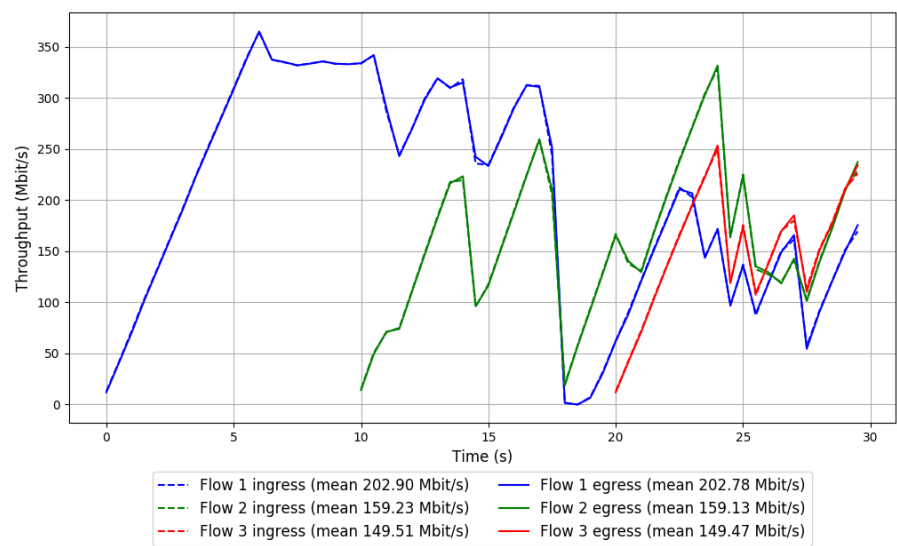


Run 3: Statistics of LEDBAT

Start at: 2017-12-05 23:14:28
End at: 2017-12-05 23:14:58
Local clock offset: 0.939 ms
Remote clock offset: -1.394 ms

Below is generated by plot.py at 2017-12-06 03:57:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.39 Mbit/s
95th percentile per-packet one-way delay: 19.183 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 202.78 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 159.13 Mbit/s
95th percentile per-packet one-way delay: 17.928 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 149.47 Mbit/s
95th percentile per-packet one-way delay: 19.267 ms
Loss rate: 0.06%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-12-05 23:34:36

End at: 2017-12-05 23:35:06

Local clock offset: 0.617 ms

Remote clock offset: -1.05 ms

Below is generated by plot.py at 2017-12-06 04:00:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 474.17 Mbit/s

95th percentile per-packet one-way delay: 19.479 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 293.50 Mbit/s

95th percentile per-packet one-way delay: 19.480 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 204.56 Mbit/s

95th percentile per-packet one-way delay: 19.410 ms

Loss rate: 0.01%

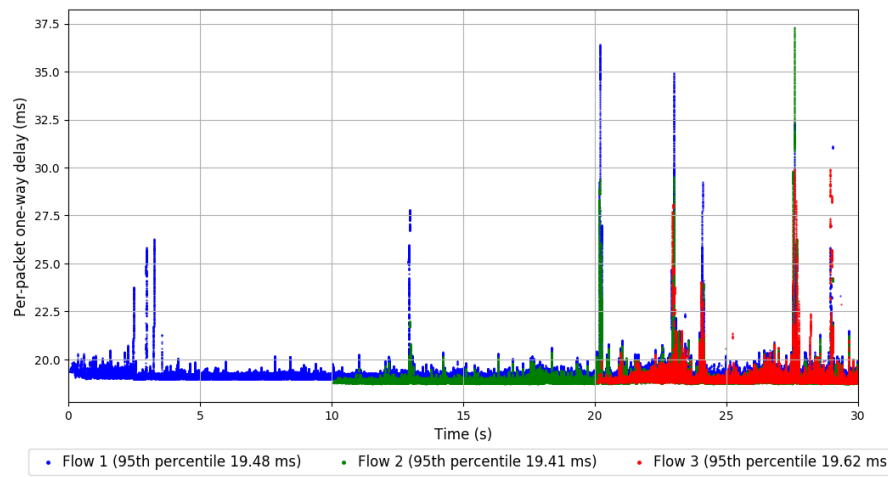
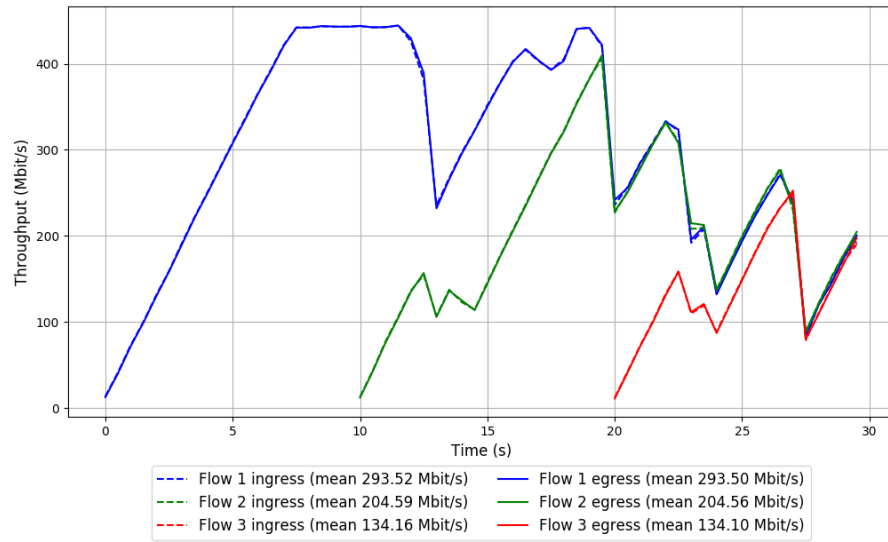
-- Flow 3:

Average throughput: 134.10 Mbit/s

95th percentile per-packet one-way delay: 19.625 ms

Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link

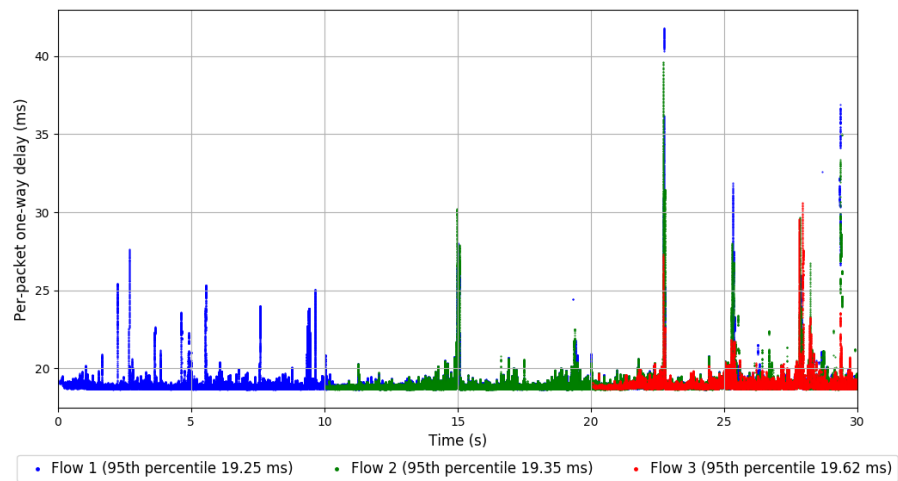
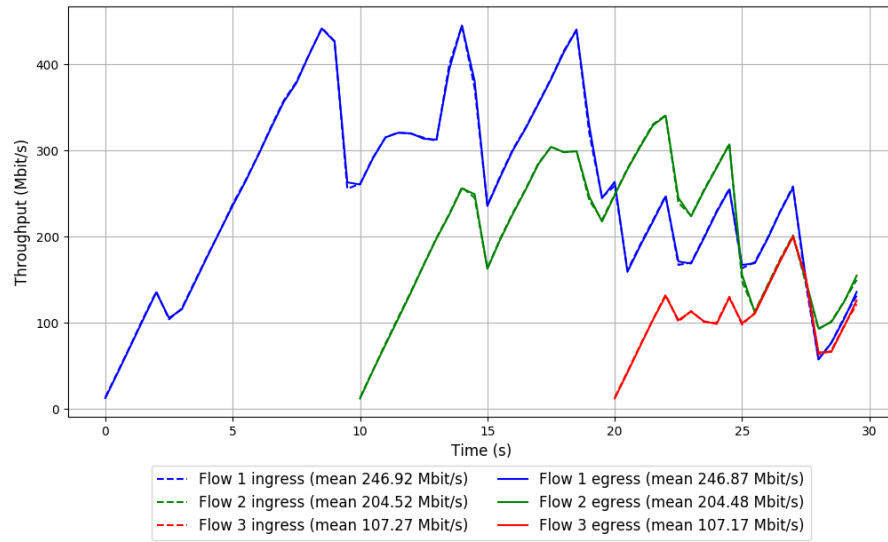


Run 5: Statistics of LEDBAT

Start at: 2017-12-05 23:54:59
End at: 2017-12-05 23:55:29
Local clock offset: 0.356 ms
Remote clock offset: -1.103 ms

Below is generated by plot.py at 2017-12-06 04:01:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 418.65 Mbit/s
95th percentile per-packet one-way delay: 19.317 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 246.87 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 204.48 Mbit/s
95th percentile per-packet one-way delay: 19.348 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 107.17 Mbit/s
95th percentile per-packet one-way delay: 19.624 ms
Loss rate: 0.10%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-12-06 00:15:21

End at: 2017-12-06 00:15:51

Local clock offset: 0.482 ms

Remote clock offset: -0.98 ms

Below is generated by plot.py at 2017-12-06 04:01:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.52 Mbit/s

95th percentile per-packet one-way delay: 19.200 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 165.38 Mbit/s

95th percentile per-packet one-way delay: 19.241 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 130.41 Mbit/s

95th percentile per-packet one-way delay: 19.126 ms

Loss rate: 0.01%

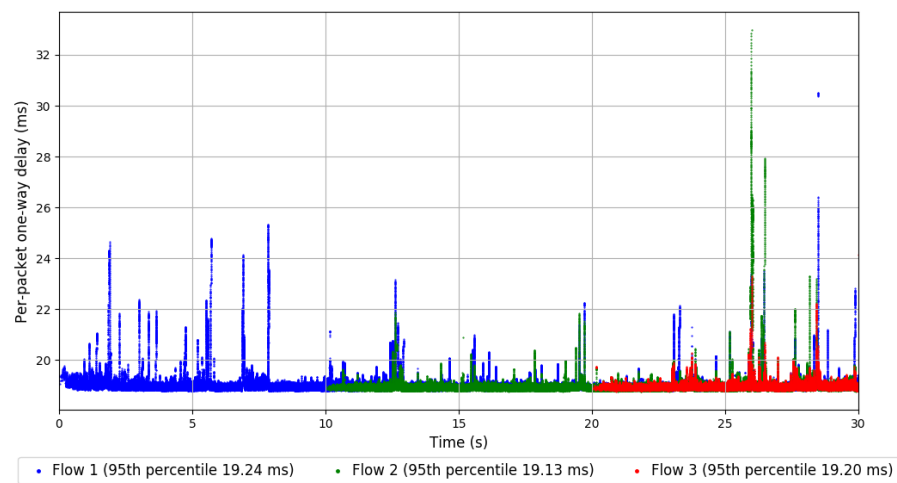
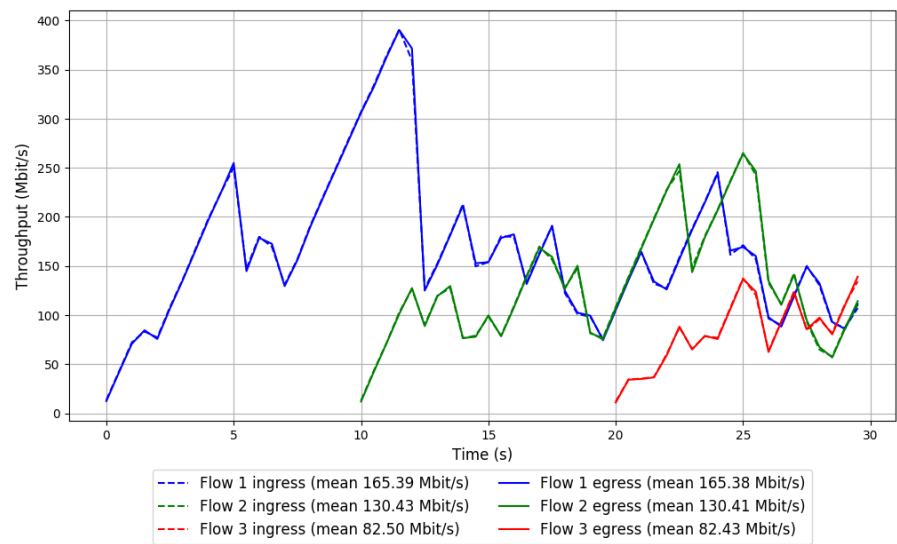
-- Flow 3:

Average throughput: 82.43 Mbit/s

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

Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link

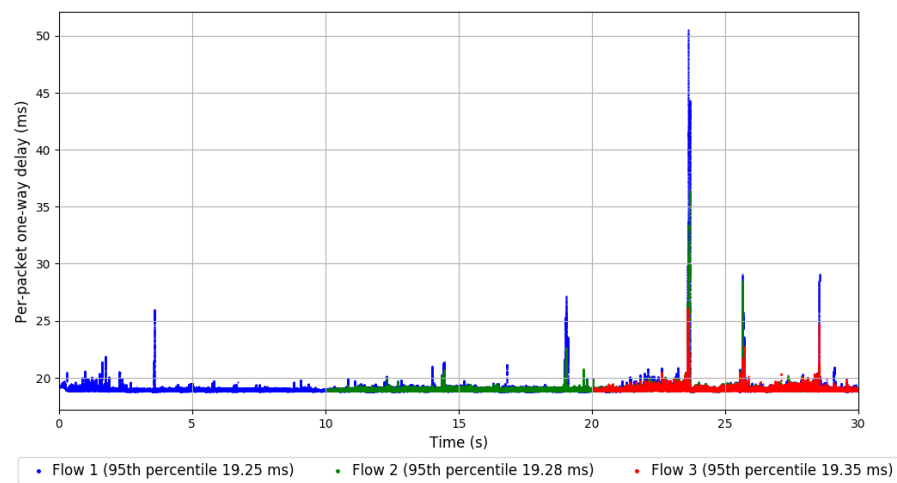
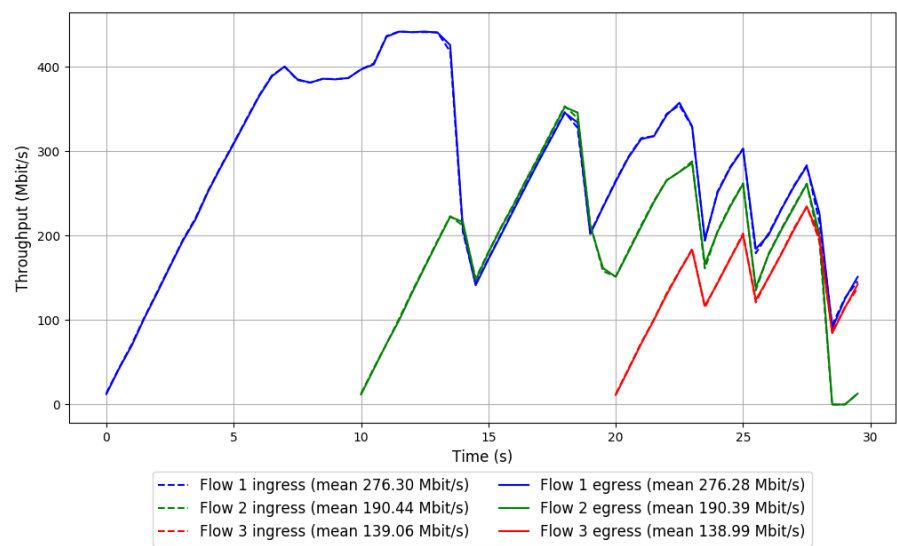


Run 7: Statistics of LEDBAT

Start at: 2017-12-06 00:35:22
End at: 2017-12-06 00:35:52
Local clock offset: 0.615 ms
Remote clock offset: -0.782 ms

Below is generated by plot.py at 2017-12-06 04:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 449.09 Mbit/s
95th percentile per-packet one-way delay: 19.270 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 276.28 Mbit/s
95th percentile per-packet one-way delay: 19.246 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 190.39 Mbit/s
95th percentile per-packet one-way delay: 19.276 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 138.99 Mbit/s
95th percentile per-packet one-way delay: 19.354 ms
Loss rate: 0.06%

Run 7: Report of LEDBAT — Data Link

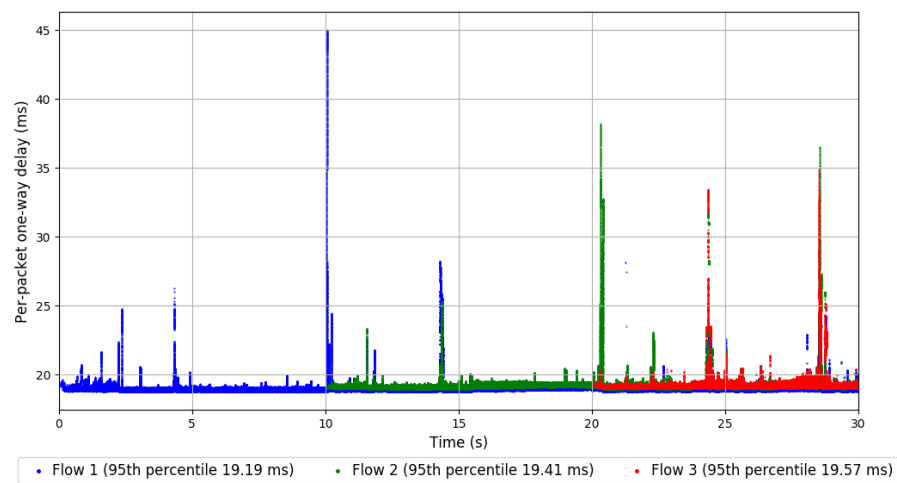
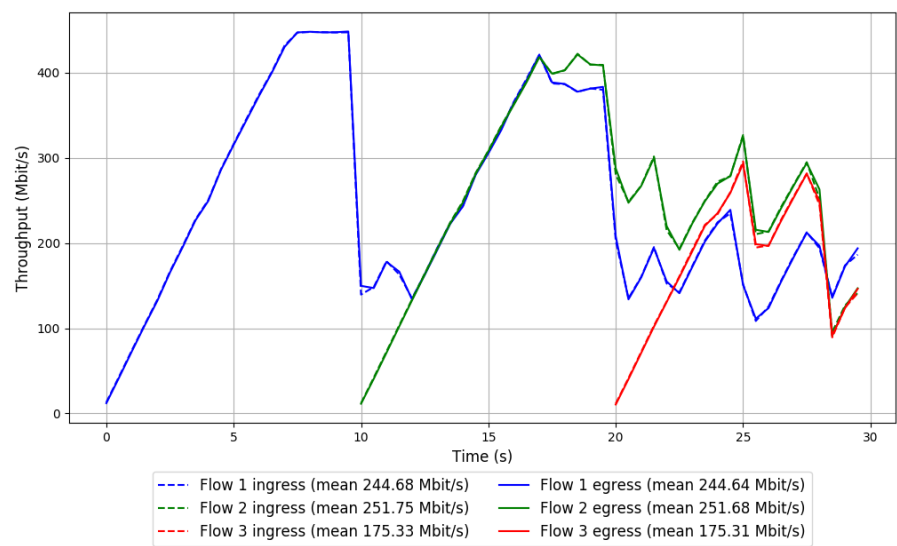


Run 8: Statistics of LEDBAT

Start at: 2017-12-06 00:55:30
End at: 2017-12-06 00:56:00
Local clock offset: 0.77 ms
Remote clock offset: -0.664 ms

Below is generated by plot.py at 2017-12-06 04:03:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.22 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 244.64 Mbit/s
95th percentile per-packet one-way delay: 19.193 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 251.68 Mbit/s
95th percentile per-packet one-way delay: 19.415 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 175.31 Mbit/s
95th percentile per-packet one-way delay: 19.571 ms
Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-12-06 01:15:40

End at: 2017-12-06 01:16:10

Local clock offset: 1.054 ms

Remote clock offset: -0.62 ms

Below is generated by plot.py at 2017-12-06 04:04:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 465.63 Mbit/s

95th percentile per-packet one-way delay: 19.142 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 271.43 Mbit/s

95th percentile per-packet one-way delay: 19.121 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 208.71 Mbit/s

95th percentile per-packet one-way delay: 19.240 ms

Loss rate: 0.02%

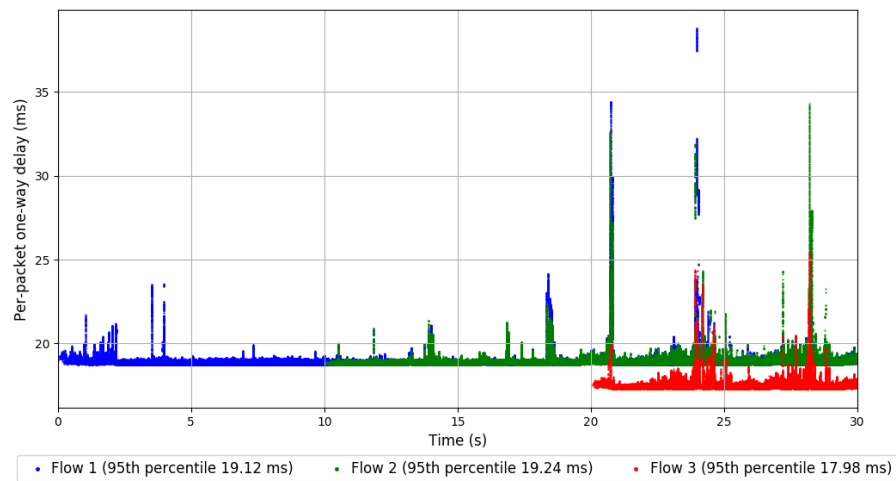
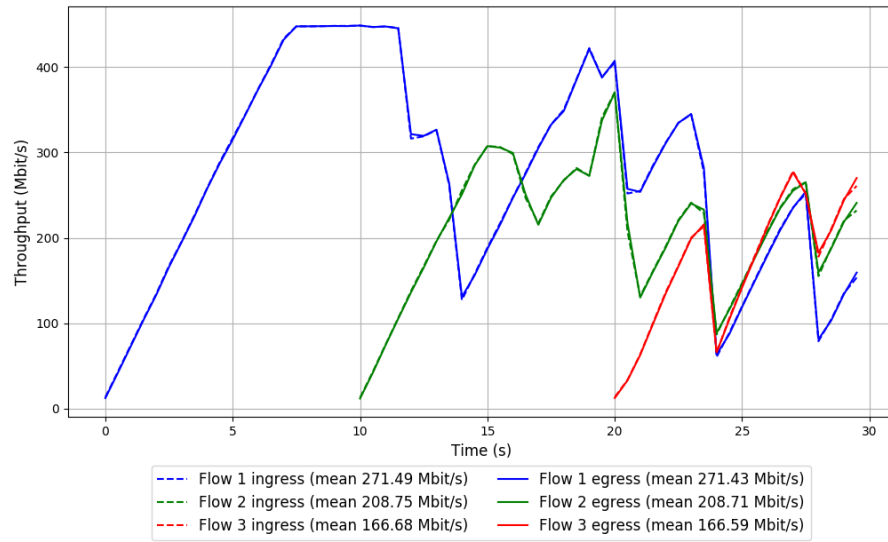
-- Flow 3:

Average throughput: 166.59 Mbit/s

95th percentile per-packet one-way delay: 17.981 ms

Loss rate: 0.05%

Run 9: Report of LEDBAT — Data Link

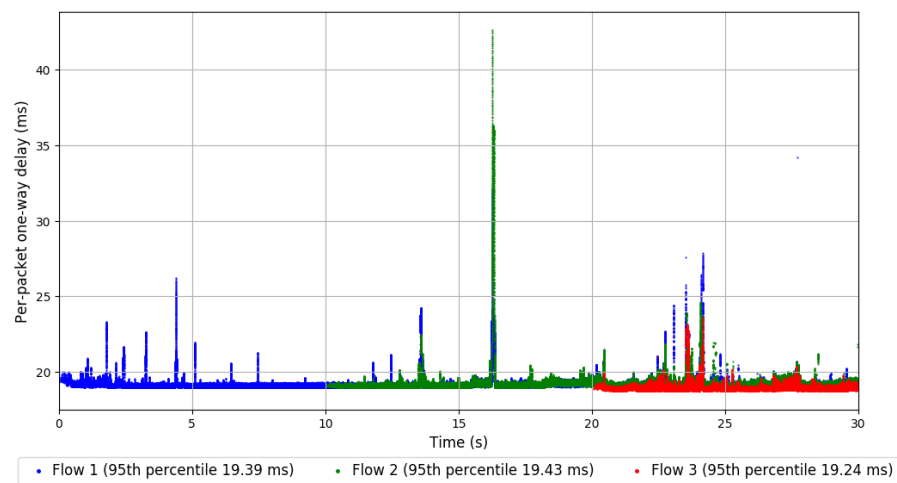
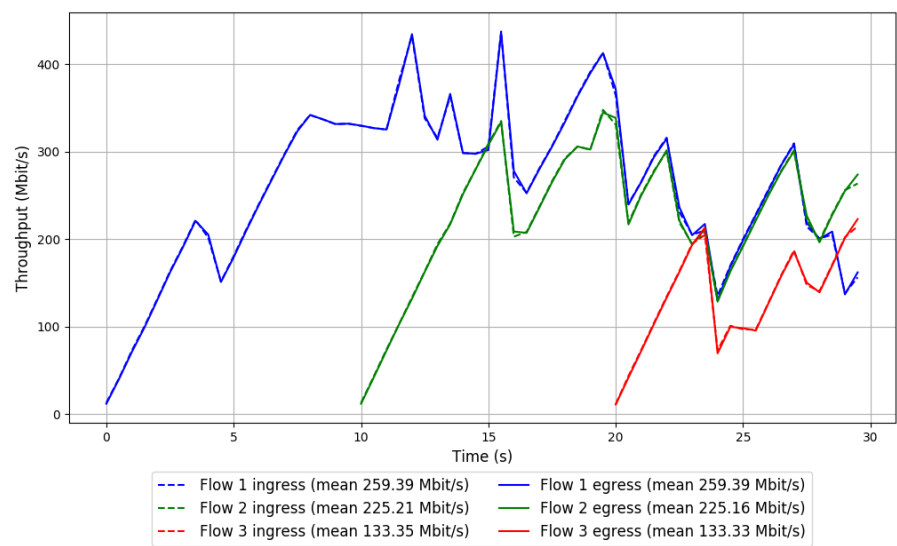


Run 10: Statistics of LEDBAT

Start at: 2017-12-06 01:35:53
End at: 2017-12-06 01:36:23
Local clock offset: 1.216 ms
Remote clock offset: -0.883 ms

Below is generated by plot.py at 2017-12-06 04:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 453.50 Mbit/s
95th percentile per-packet one-way delay: 19.401 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 259.39 Mbit/s
95th percentile per-packet one-way delay: 19.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 225.16 Mbit/s
95th percentile per-packet one-way delay: 19.431 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 133.33 Mbit/s
95th percentile per-packet one-way delay: 19.241 ms
Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link

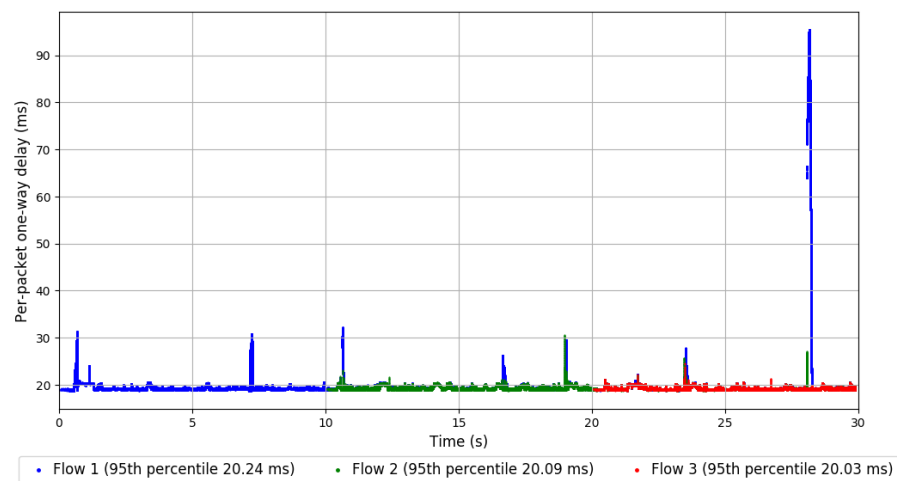
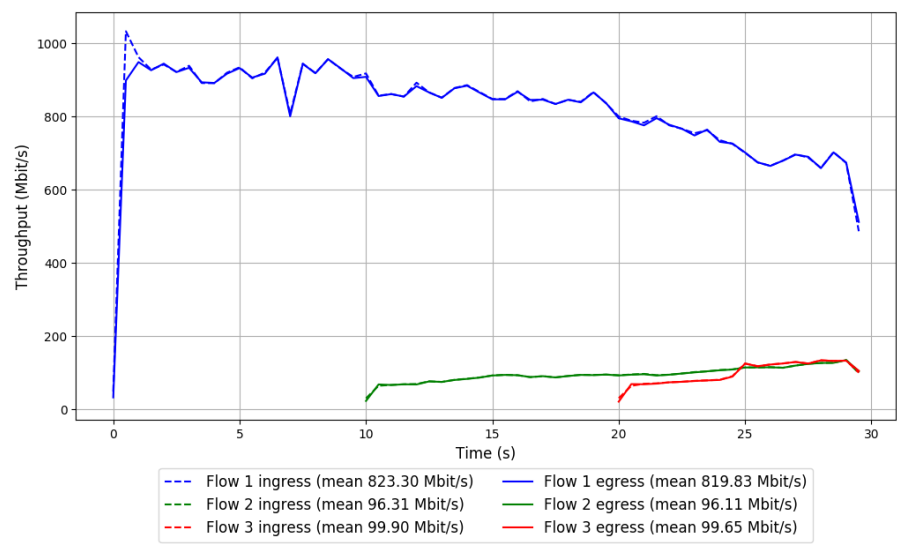


Run 1: Statistics of PCC

Start at: 2017-12-05 22:37:03
End at: 2017-12-05 22:37:33
Local clock offset: 1.186 ms
Remote clock offset: -0.925 ms

Below is generated by plot.py at 2017-12-06 04:10:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 916.54 Mbit/s
95th percentile per-packet one-way delay: 20.230 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 819.83 Mbit/s
95th percentile per-packet one-way delay: 20.242 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 99.65 Mbit/s
95th percentile per-packet one-way delay: 20.034 ms
Loss rate: 0.25%

Run 1: Report of PCC — Data Link

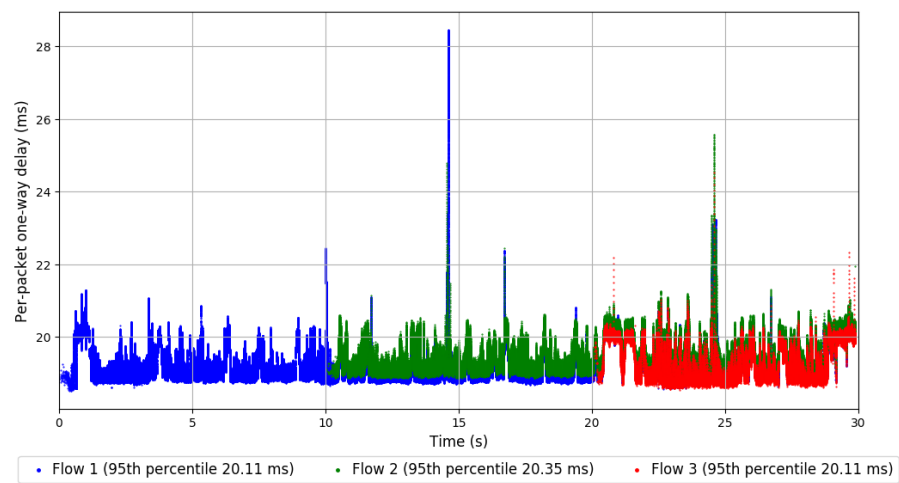
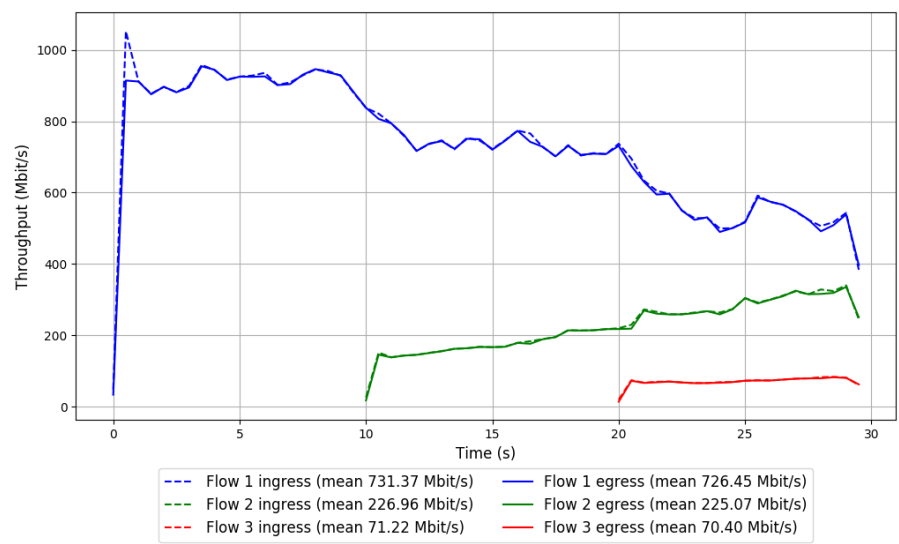


Run 2: Statistics of PCC

Start at: 2017-12-05 22:57:09
End at: 2017-12-05 22:57:39
Local clock offset: 1.2 ms
Remote clock offset: -1.372 ms

Below is generated by plot.py at 2017-12-06 04:12:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 899.06 Mbit/s
95th percentile per-packet one-way delay: 20.145 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 726.45 Mbit/s
95th percentile per-packet one-way delay: 20.108 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 225.07 Mbit/s
95th percentile per-packet one-way delay: 20.348 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: 20.108 ms
Loss rate: 1.14%

Run 2: Report of PCC — Data Link

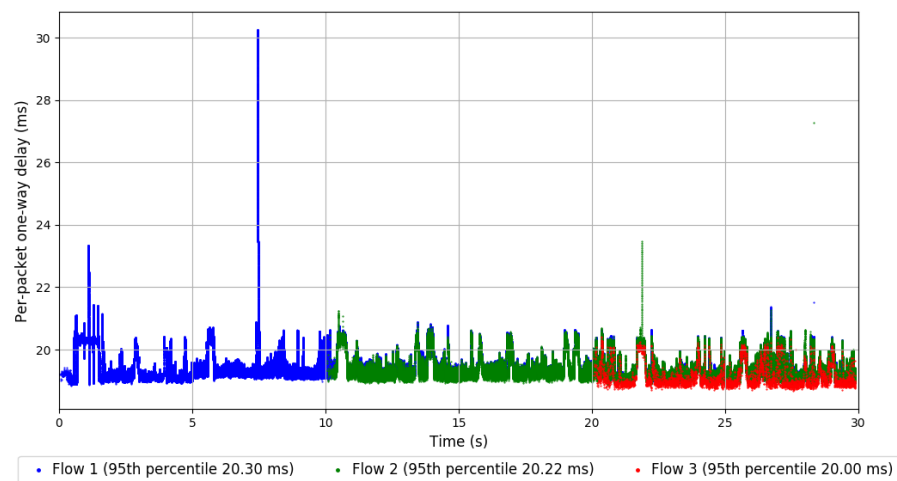
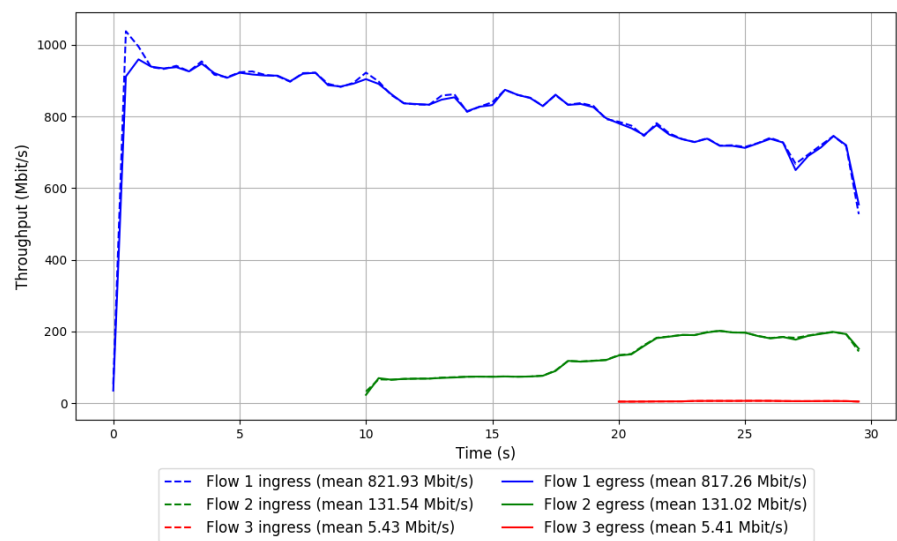


Run 3: Statistics of PCC

Start at: 2017-12-05 23:17:09
End at: 2017-12-05 23:17:39
Local clock offset: 0.9 ms
Remote clock offset: -1.357 ms

Below is generated by plot.py at 2017-12-06 04:14:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 906.14 Mbit/s
95th percentile per-packet one-way delay: 20.296 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 817.26 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 131.02 Mbit/s
95th percentile per-packet one-way delay: 20.217 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.37%

Run 3: Report of PCC — Data Link

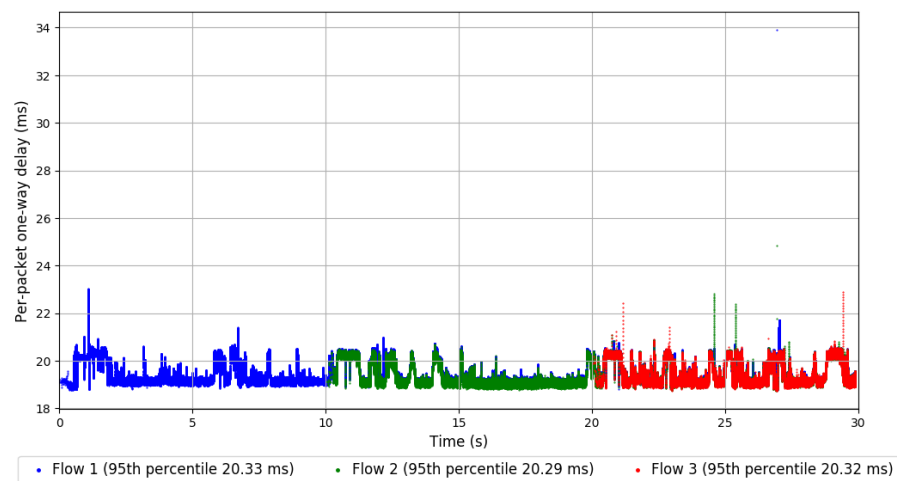
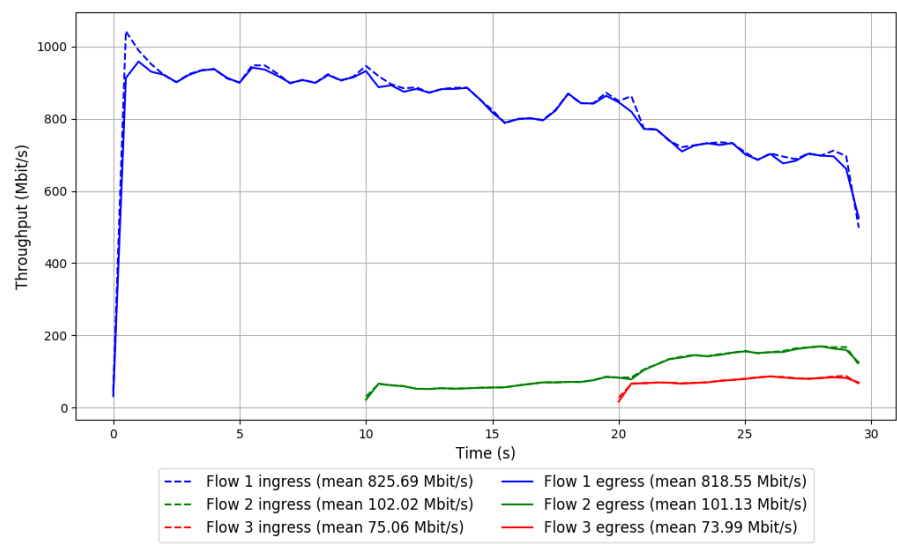


Run 4: Statistics of PCC

Start at: 2017-12-05 23:37:23
End at: 2017-12-05 23:37:53
Local clock offset: 0.578 ms
Remote clock offset: -1.017 ms

Below is generated by plot.py at 2017-12-06 04:15:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 910.17 Mbit/s
95th percentile per-packet one-way delay: 20.329 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 818.55 Mbit/s
95th percentile per-packet one-way delay: 20.331 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 101.13 Mbit/s
95th percentile per-packet one-way delay: 20.294 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 20.319 ms
Loss rate: 1.43%

Run 4: Report of PCC — Data Link

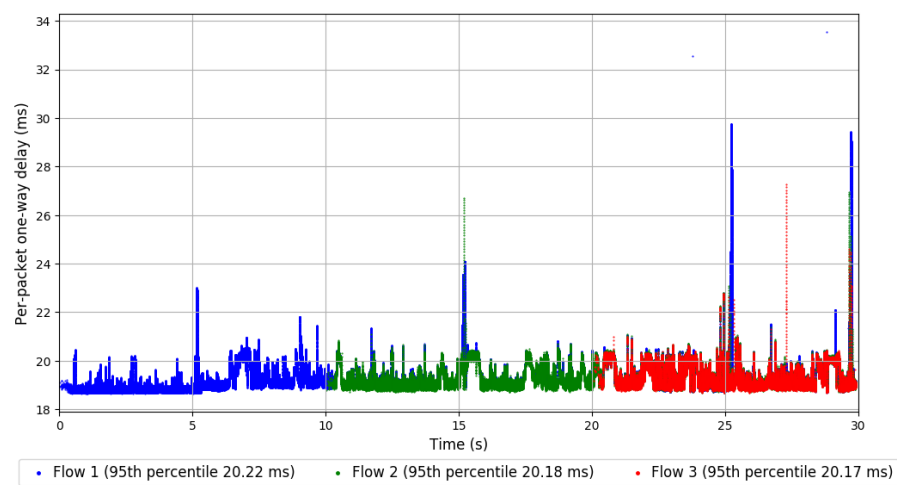
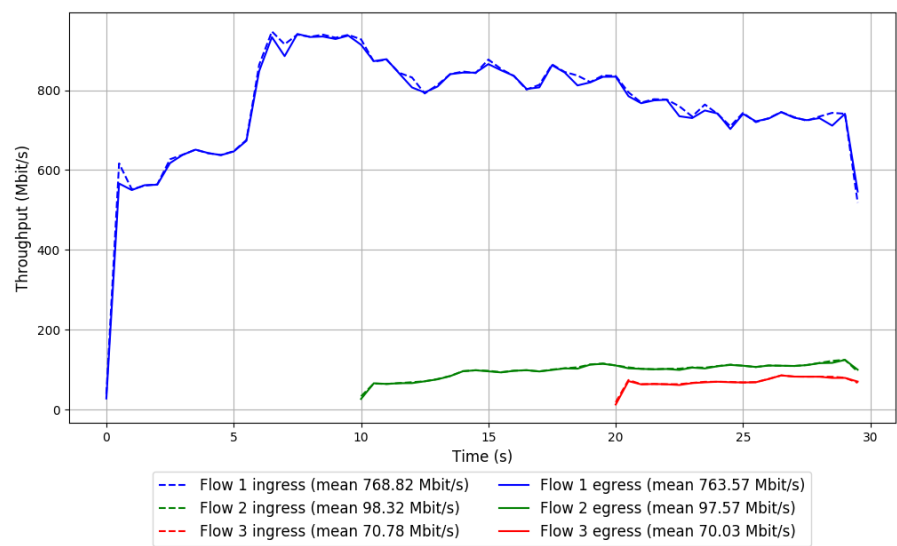


Run 5: Statistics of PCC

Start at: 2017-12-05 23:57:44
End at: 2017-12-05 23:58:14
Local clock offset: 0.349 ms
Remote clock offset: -1.115 ms

Below is generated by plot.py at 2017-12-06 04:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 851.47 Mbit/s
95th percentile per-packet one-way delay: 20.214 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 763.57 Mbit/s
95th percentile per-packet one-way delay: 20.217 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 97.57 Mbit/s
95th percentile per-packet one-way delay: 20.181 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 20.171 ms
Loss rate: 1.06%

Run 5: Report of PCC — Data Link

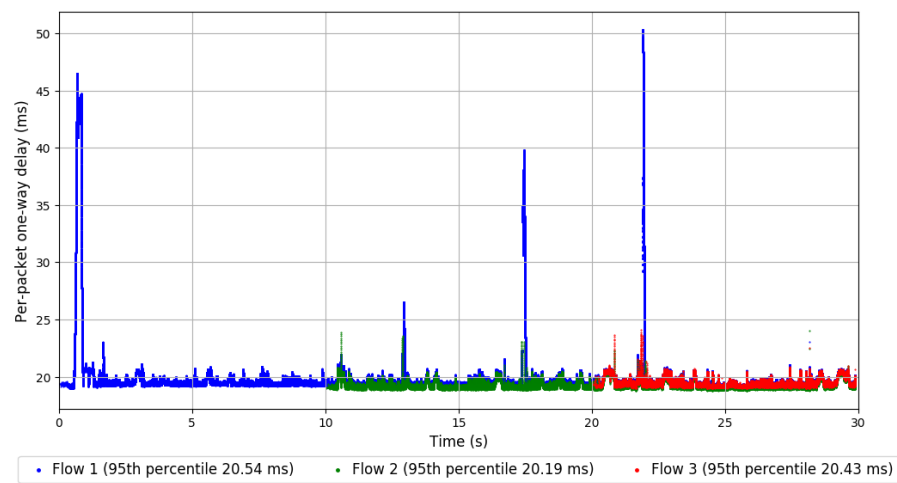
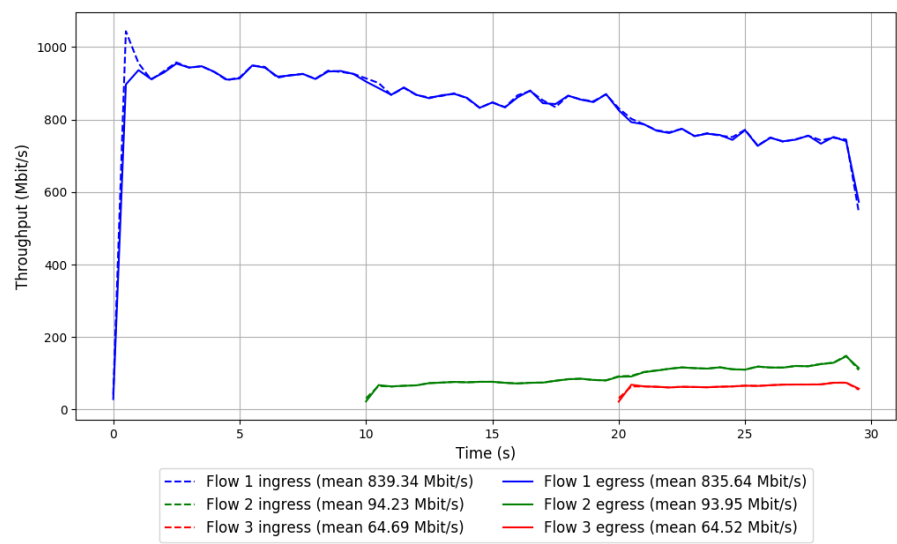


Run 6: Statistics of PCC

Start at: 2017-12-06 00:17:57
End at: 2017-12-06 00:18:27
Local clock offset: 0.396 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2017-12-06 04:17:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 919.37 Mbit/s
95th percentile per-packet one-way delay: 20.531 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 835.64 Mbit/s
95th percentile per-packet one-way delay: 20.543 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 93.95 Mbit/s
95th percentile per-packet one-way delay: 20.189 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 64.52 Mbit/s
95th percentile per-packet one-way delay: 20.430 ms
Loss rate: 0.26%

Run 6: Report of PCC — Data Link

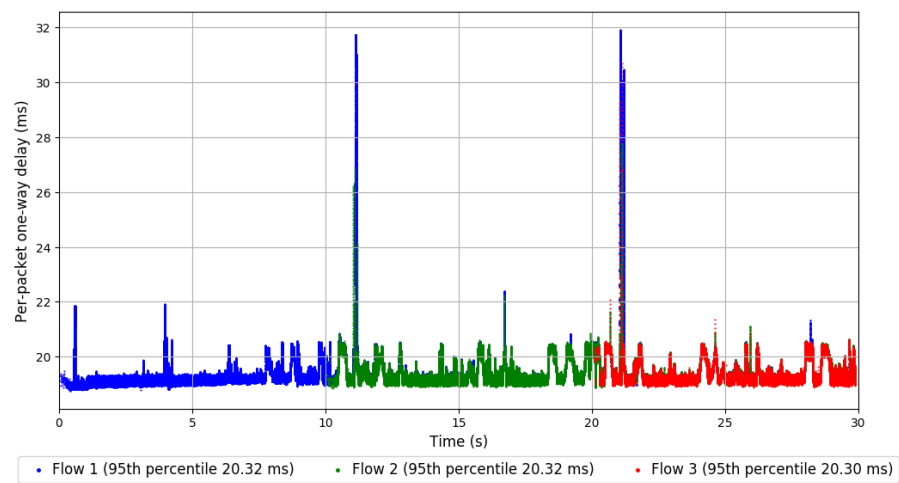
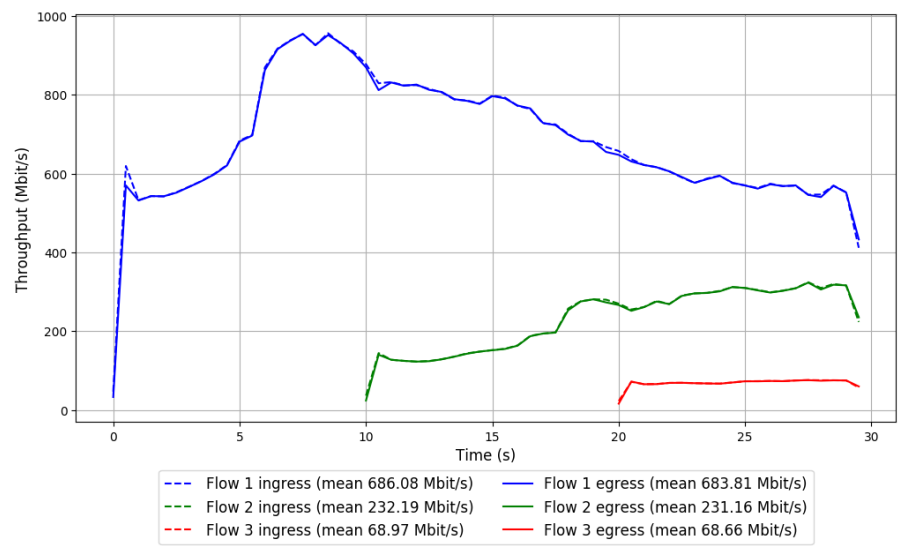


Run 7: Statistics of PCC

Start at: 2017-12-06 00:38:08
End at: 2017-12-06 00:38:38
Local clock offset: 0.573 ms
Remote clock offset: -0.642 ms

Below is generated by plot.py at 2017-12-06 04:17:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 860.13 Mbit/s
95th percentile per-packet one-way delay: 20.318 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 683.81 Mbit/s
95th percentile per-packet one-way delay: 20.319 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 231.16 Mbit/s
95th percentile per-packet one-way delay: 20.318 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 68.66 Mbit/s
95th percentile per-packet one-way delay: 20.296 ms
Loss rate: 0.45%

Run 7: Report of PCC — Data Link

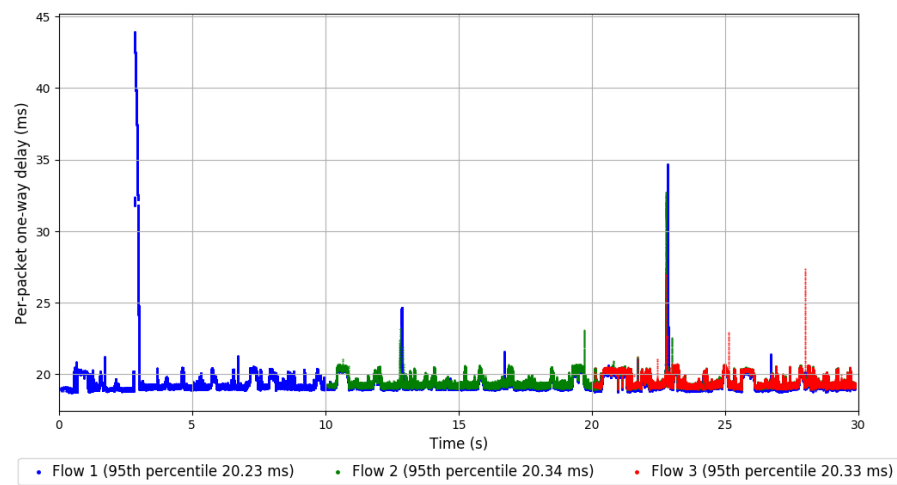
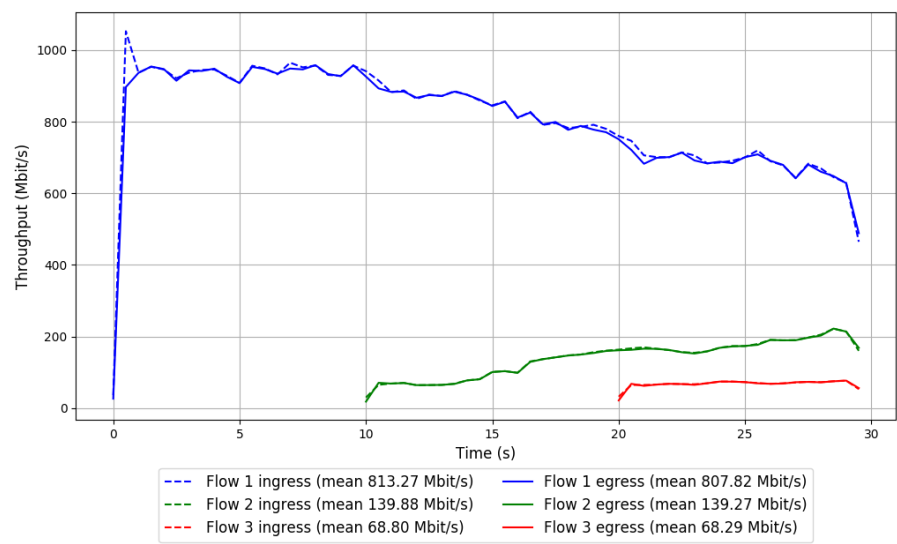


Run 8: Statistics of PCC

Start at: 2017-12-06 00:58:16
End at: 2017-12-06 00:58:46
Local clock offset: 0.879 ms
Remote clock offset: -0.663 ms

Below is generated by plot.py at 2017-12-06 04:18:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 922.83 Mbit/s
95th percentile per-packet one-way delay: 20.253 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 807.82 Mbit/s
95th percentile per-packet one-way delay: 20.231 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 139.27 Mbit/s
95th percentile per-packet one-way delay: 20.341 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 68.29 Mbit/s
95th percentile per-packet one-way delay: 20.330 ms
Loss rate: 0.74%

Run 8: Report of PCC — Data Link

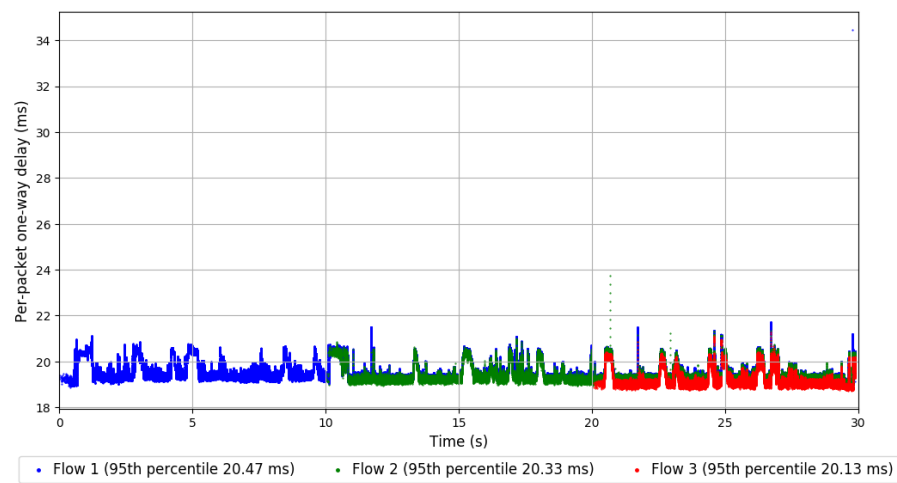
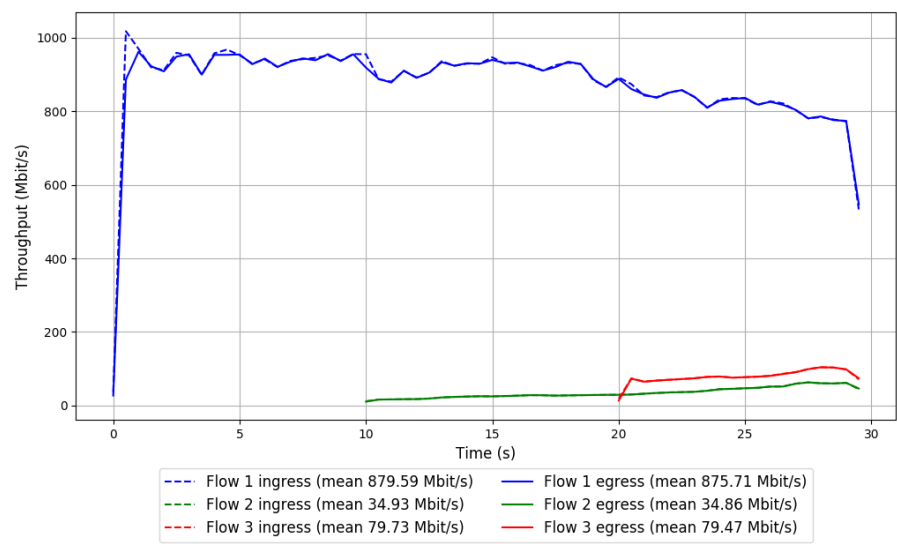


Run 9: Statistics of PCC

Start at: 2017-12-06 01:18:26
End at: 2017-12-06 01:18:56
Local clock offset: 1.083 ms
Remote clock offset: -0.612 ms

Below is generated by plot.py at 2017-12-06 04:24:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 925.02 Mbit/s
95th percentile per-packet one-way delay: 20.464 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 875.71 Mbit/s
95th percentile per-packet one-way delay: 20.468 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 20.327 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 20.129 ms
Loss rate: 0.36%

Run 9: Report of PCC — Data Link

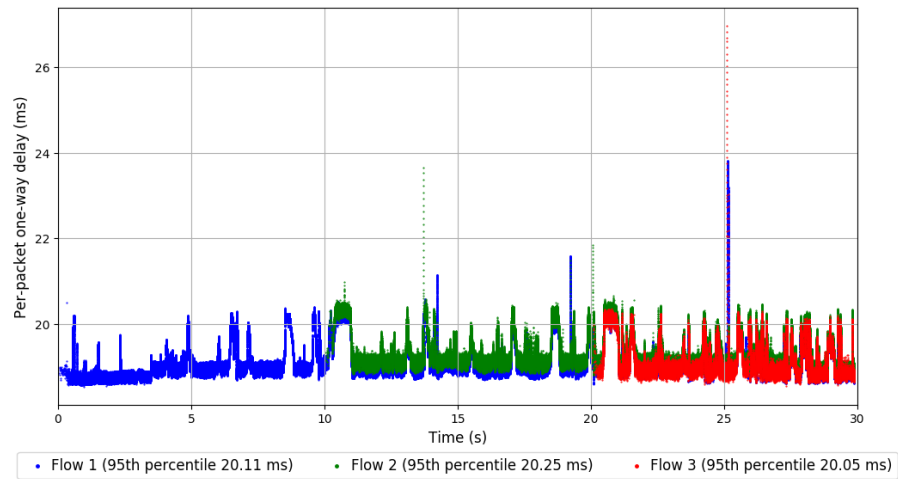
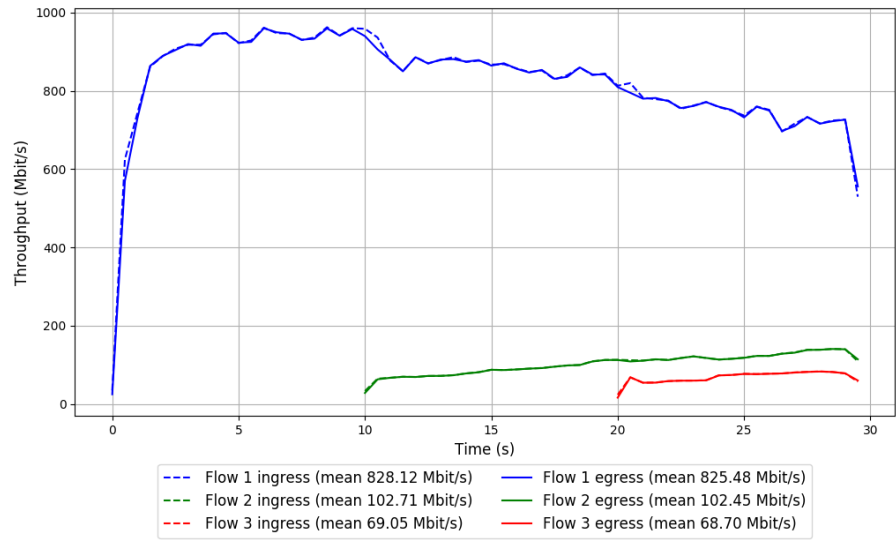


Run 10: Statistics of PCC

Start at: 2017-12-06 01:38:39
End at: 2017-12-06 01:39:09
Local clock offset: 1.288 ms
Remote clock offset: -0.963 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 916.22 Mbit/s
95th percentile per-packet one-way delay: 20.115 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 825.48 Mbit/s
95th percentile per-packet one-way delay: 20.108 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 102.45 Mbit/s
95th percentile per-packet one-way delay: 20.252 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 20.053 ms
Loss rate: 0.51%

Run 10: Report of PCC — Data Link

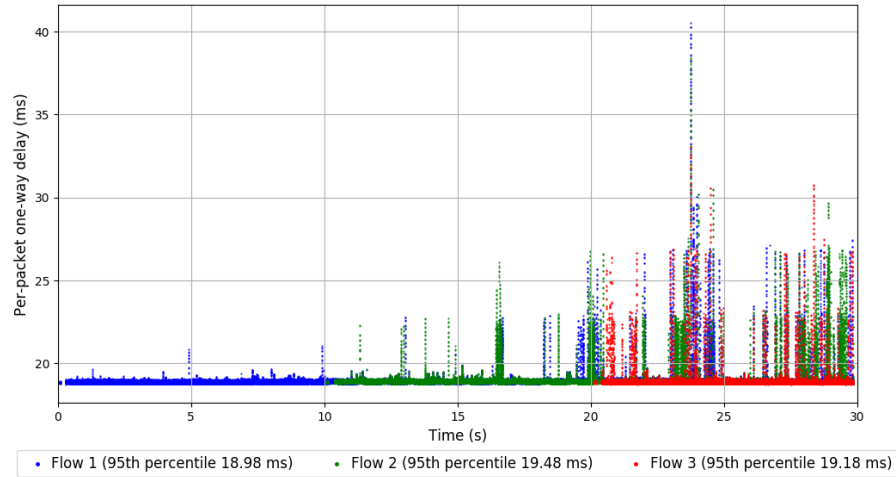
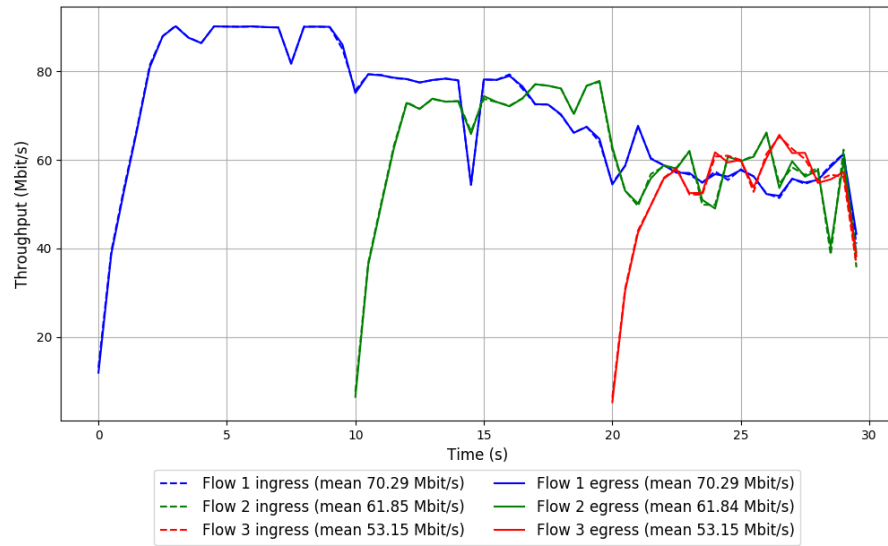


Run 1: Statistics of QUIC Cubic

Start at: 2017-12-05 22:40:07
End at: 2017-12-05 22:40:37
Local clock offset: 1.212 ms
Remote clock offset: -0.968 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.72 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.29 Mbit/s
95th percentile per-packet one-way delay: 18.982 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 19.479 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.15 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-12-05 23:00:12

End at: 2017-12-05 23:00:42

Local clock offset: 1.082 ms

Remote clock offset: -1.29 ms

Below is generated by plot.py at 2017-12-06 04:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.71 Mbit/s

95th percentile per-packet one-way delay: 19.426 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.36 Mbit/s

95th percentile per-packet one-way delay: 19.308 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 63.61 Mbit/s

95th percentile per-packet one-way delay: 20.623 ms

Loss rate: 0.00%

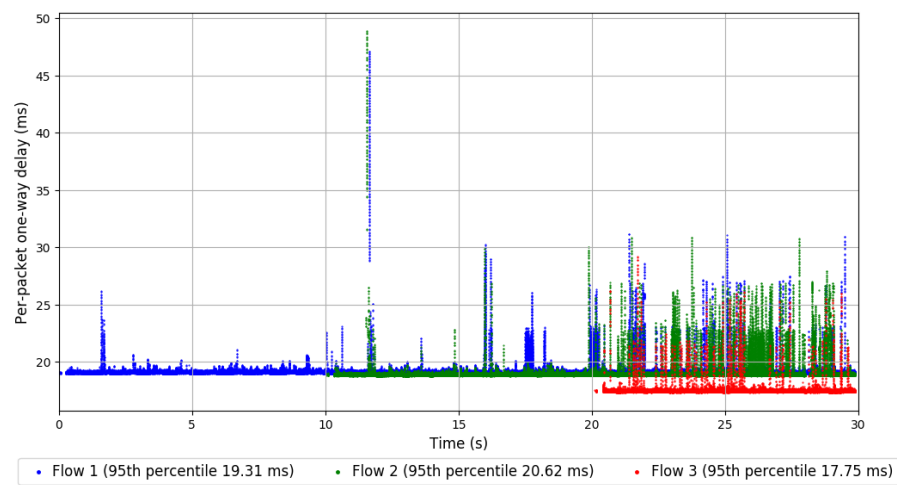
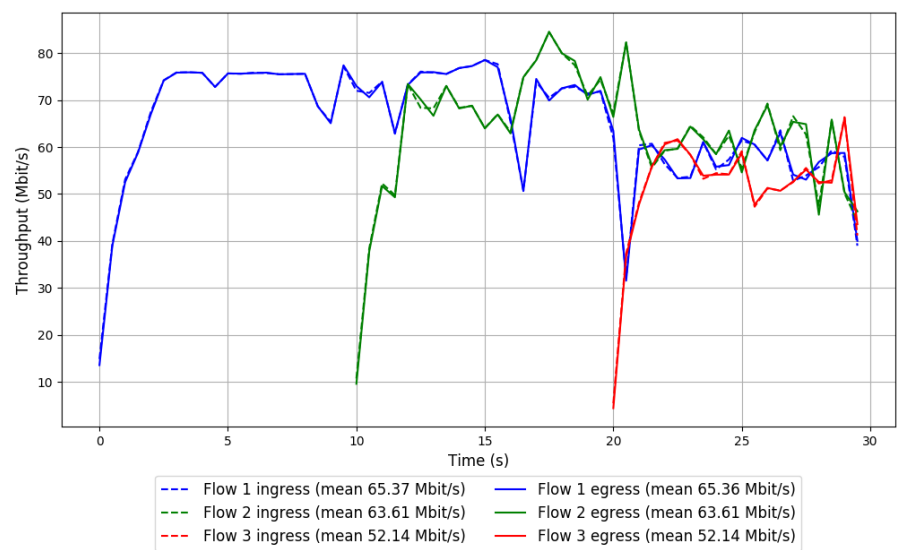
-- Flow 3:

Average throughput: 52.14 Mbit/s

95th percentile per-packet one-way delay: 17.751 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

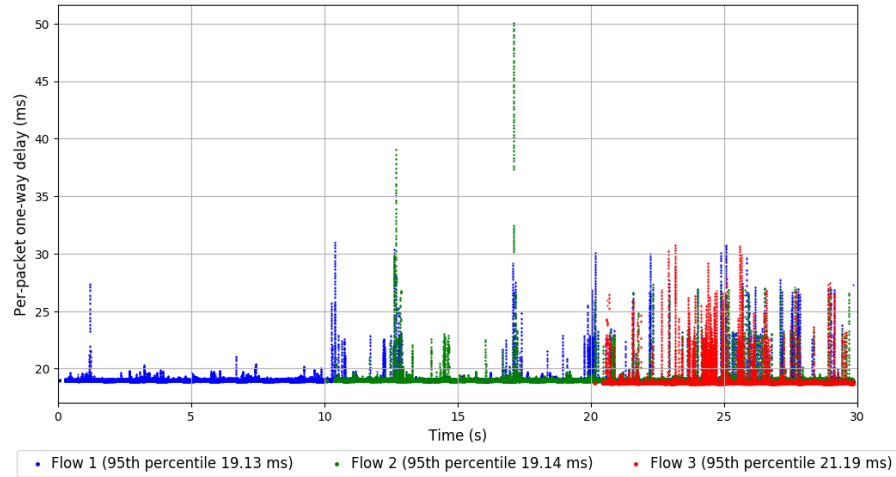
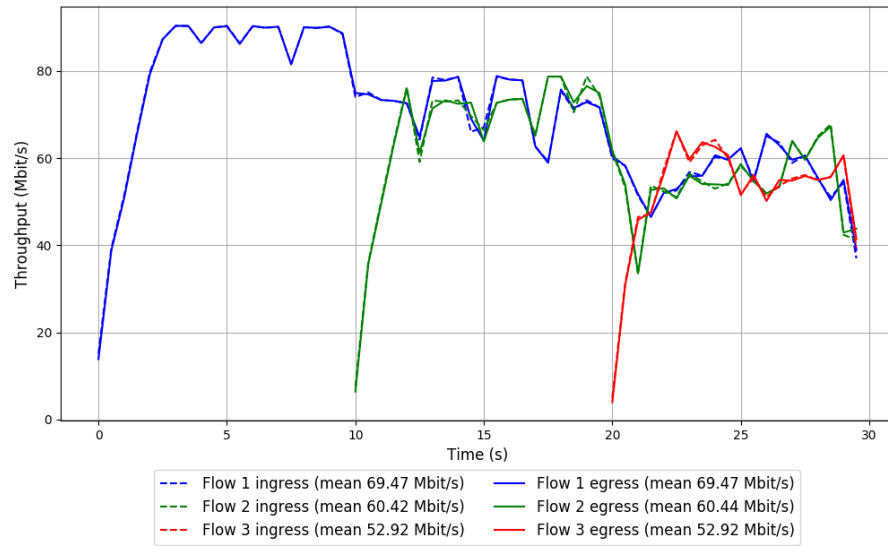


Run 3: Statistics of QUIC Cubic

Start at: 2017-12-05 23:20:12
End at: 2017-12-05 23:20:43
Local clock offset: 0.932 ms
Remote clock offset: -1.276 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.91 Mbit/s
95th percentile per-packet one-way delay: 19.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 19.129 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.92 Mbit/s
95th percentile per-packet one-way delay: 21.190 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

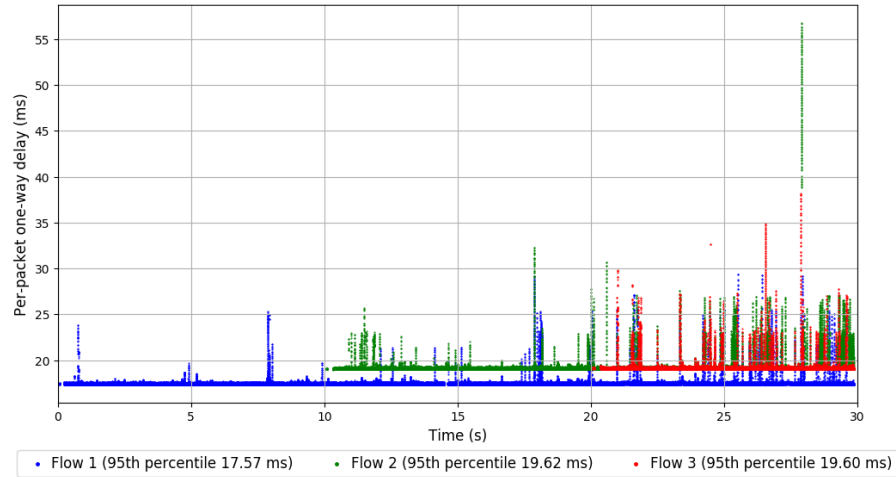
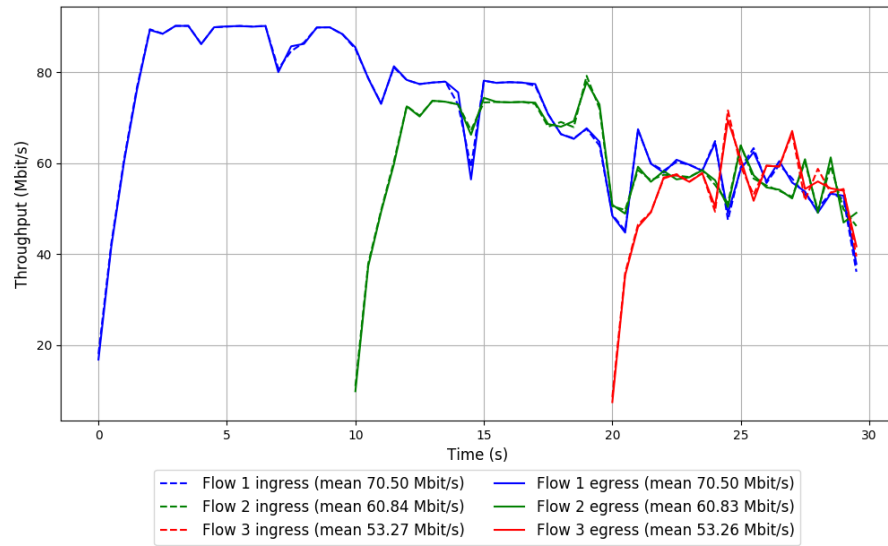


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-05 23:40:26
End at: 2017-12-05 23:40:56
Local clock offset: 0.532 ms
Remote clock offset: -0.992 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.42 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.50 Mbit/s
95th percentile per-packet one-way delay: 17.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 19.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 19.596 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-12-06 00:00:45

End at: 2017-12-06 00:01:15

Local clock offset: 0.459 ms

Remote clock offset: -1.15 ms

Below is generated by plot.py at 2017-12-06 04:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.33 Mbit/s

95th percentile per-packet one-way delay: 19.032 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.76 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.28 Mbit/s

95th percentile per-packet one-way delay: 19.084 ms

Loss rate: 0.00%

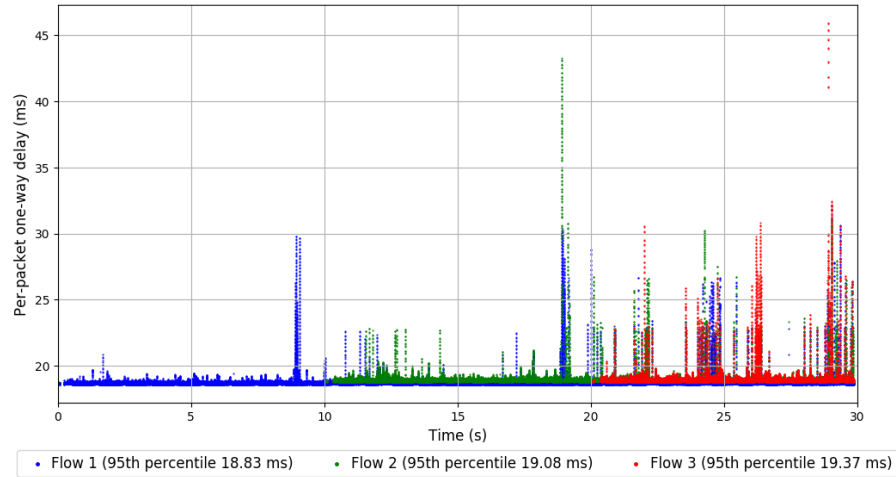
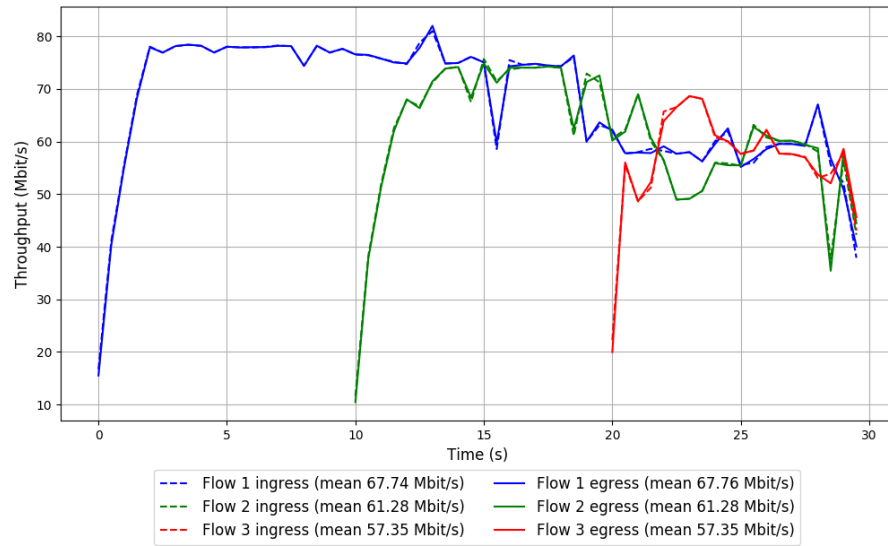
-- Flow 3:

Average throughput: 57.35 Mbit/s

95th percentile per-packet one-way delay: 19.368 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

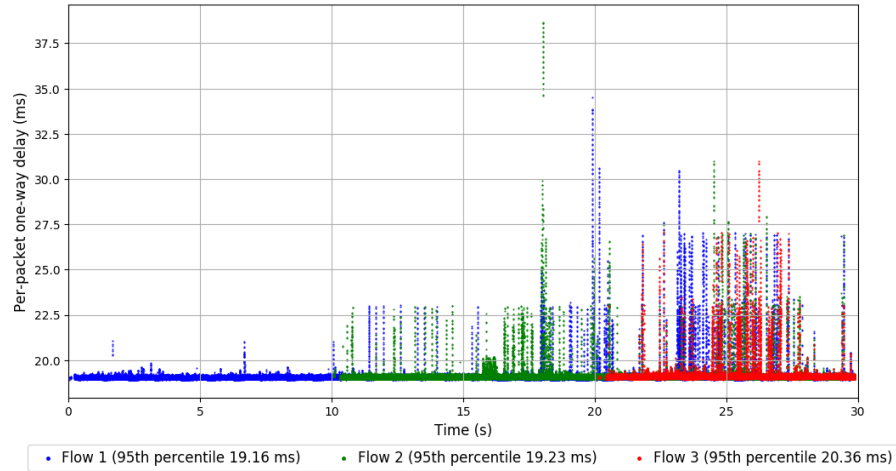
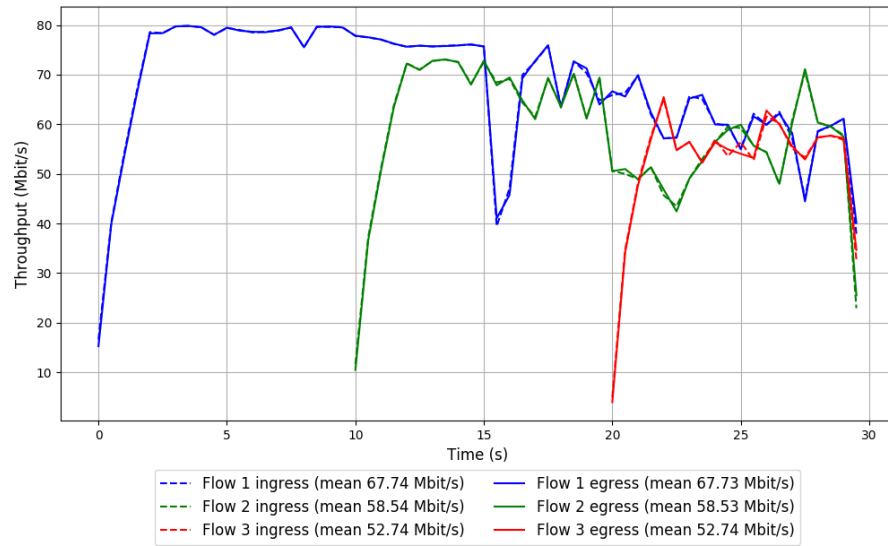


Run 6: Statistics of QUIC Cubic

Start at: 2017-12-06 00:21:01
End at: 2017-12-06 00:21:31
Local clock offset: 0.419 ms
Remote clock offset: -0.895 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.83 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 19.165 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 58.53 Mbit/s
95th percentile per-packet one-way delay: 19.232 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 20.361 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

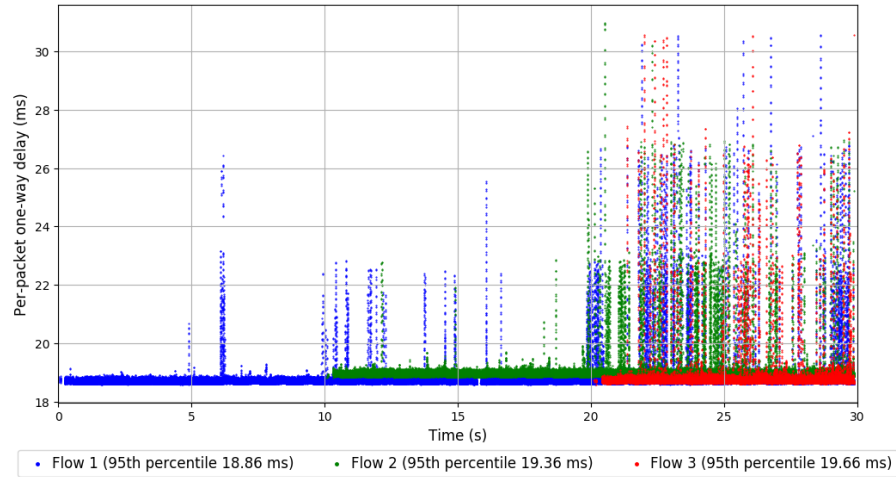
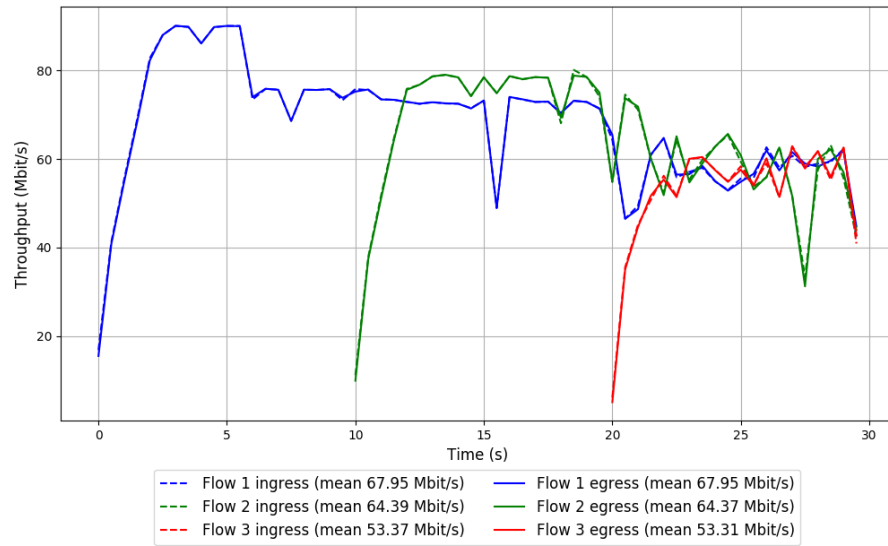


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-06 00:41:10
End at: 2017-12-06 00:41:40
Local clock offset: 0.695 ms
Remote clock offset: -0.722 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.09 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.95 Mbit/s
95th percentile per-packet one-way delay: 18.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.37 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.31 Mbit/s
95th percentile per-packet one-way delay: 19.656 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

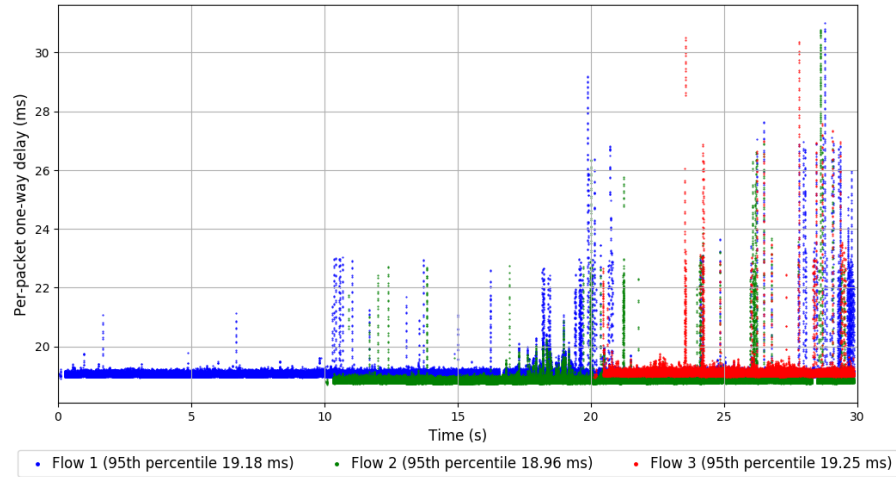
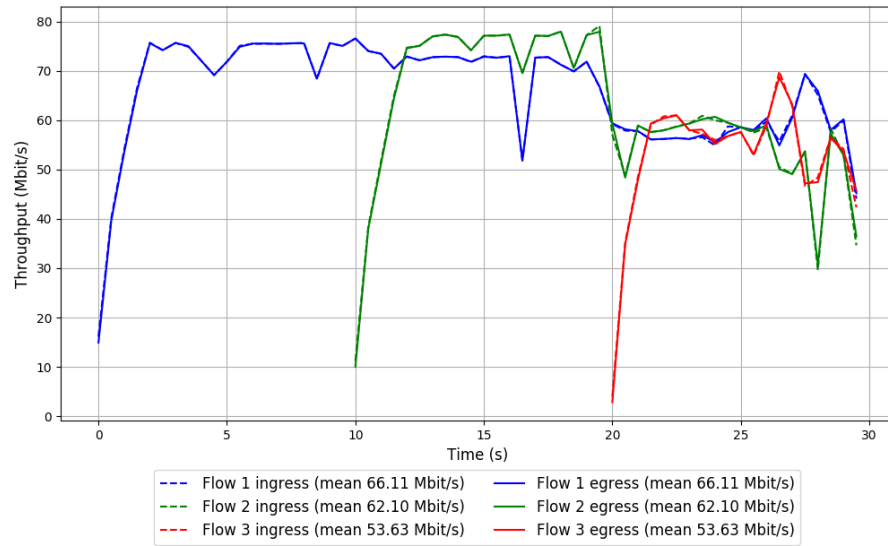


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-06 01:01:20
End at: 2017-12-06 01:01:50
Local clock offset: 0.841 ms
Remote clock offset: -0.688 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.91 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.10 Mbit/s
95th percentile per-packet one-way delay: 18.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.63 Mbit/s
95th percentile per-packet one-way delay: 19.246 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-12-06 01:21:30

End at: 2017-12-06 01:22:00

Local clock offset: 1.237 ms

Remote clock offset: -0.62 ms

Below is generated by plot.py at 2017-12-06 04:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.48 Mbit/s

95th percentile per-packet one-way delay: 19.003 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.11 Mbit/s

95th percentile per-packet one-way delay: 19.023 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.08 Mbit/s

95th percentile per-packet one-way delay: 17.436 ms

Loss rate: 0.00%

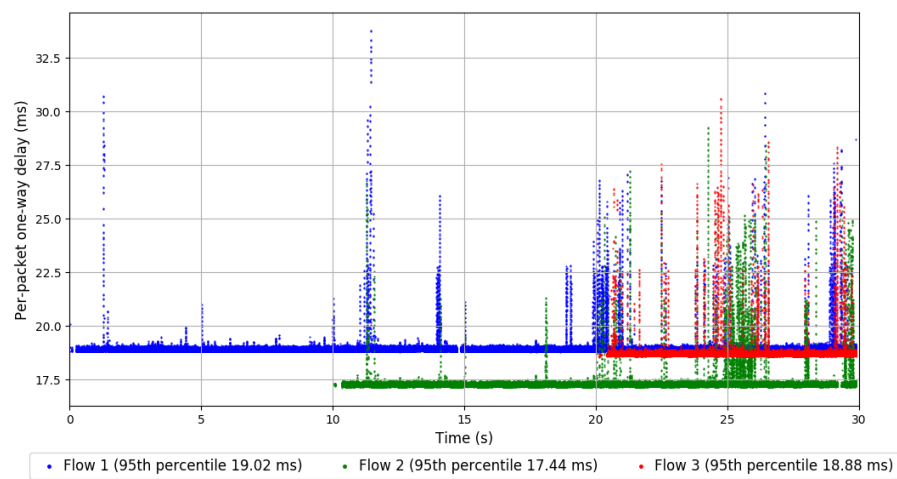
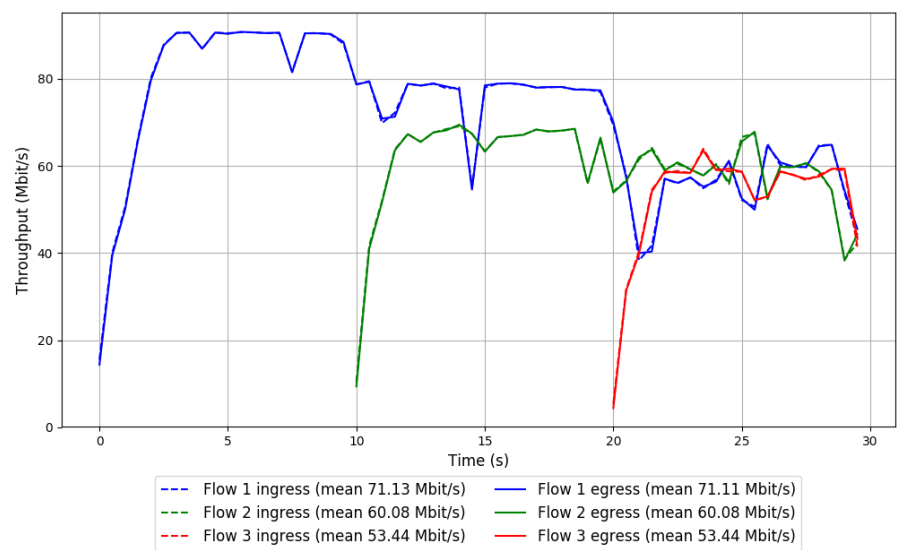
-- Flow 3:

Average throughput: 53.44 Mbit/s

95th percentile per-packet one-way delay: 18.877 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

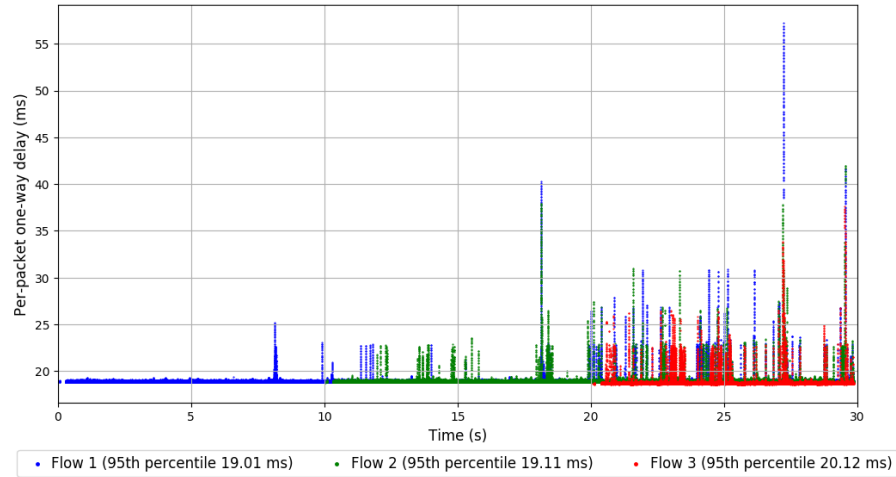
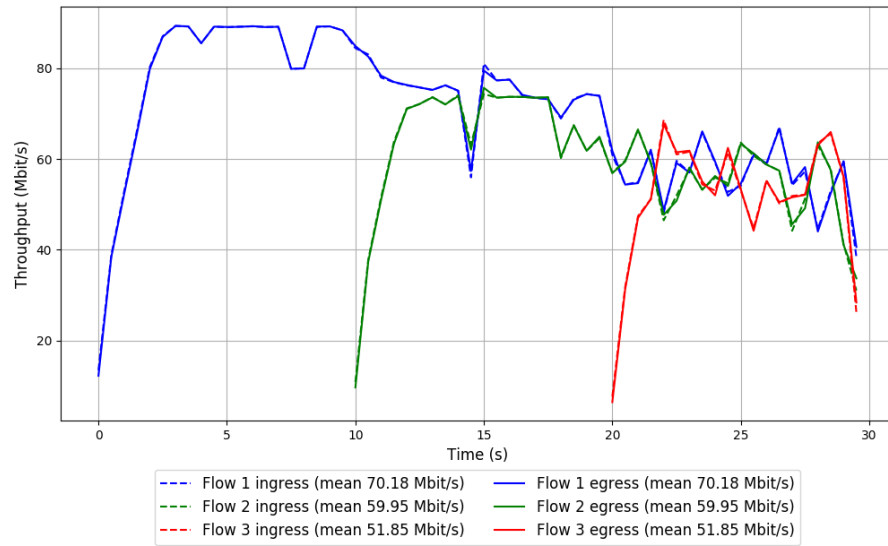


Run 10: Statistics of QUIC Cubic

Start at: 2017-12-06 01:41:44
End at: 2017-12-06 01:42:14
Local clock offset: 1.302 ms
Remote clock offset: -0.969 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.03 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.18 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.85 Mbit/s
95th percentile per-packet one-way delay: 20.116 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

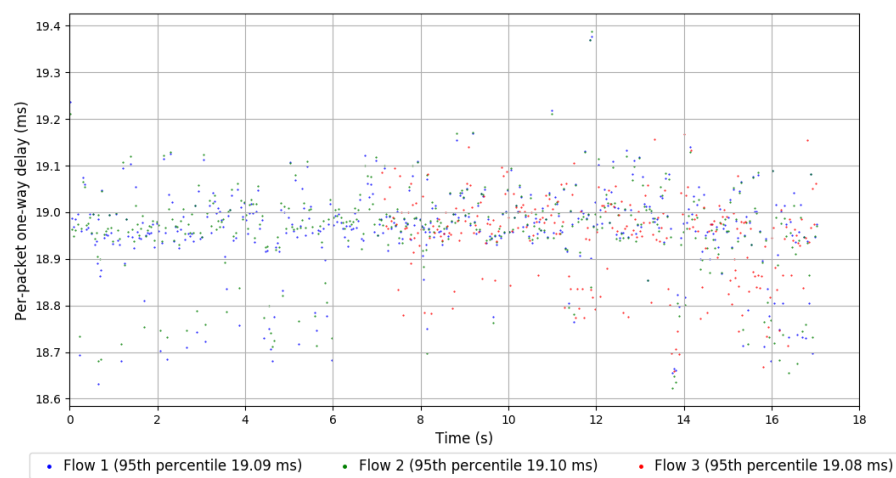
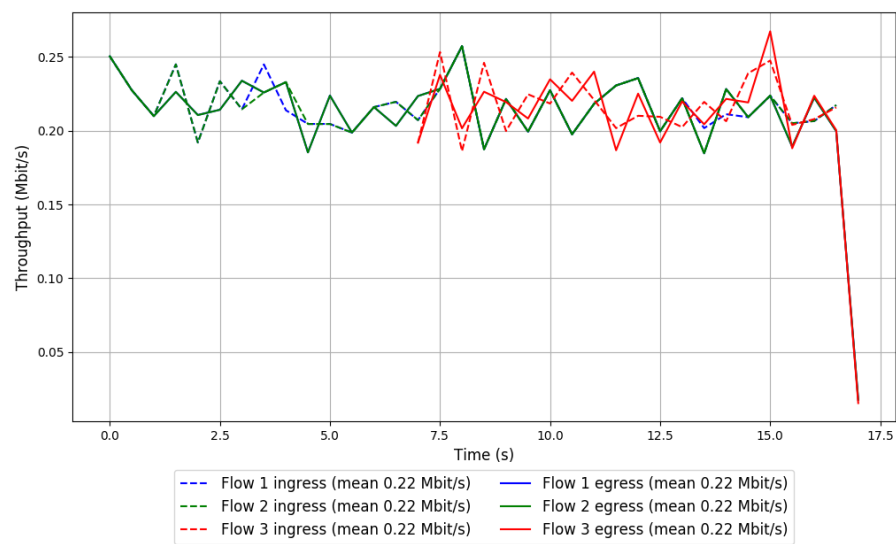
Start at: 2017-12-05 22:35:53

End at: 2017-12-05 22:36:23

Local clock offset: 1.283 ms

Remote clock offset: -0.883 ms

Run 1: Report of SReAM — Data Link

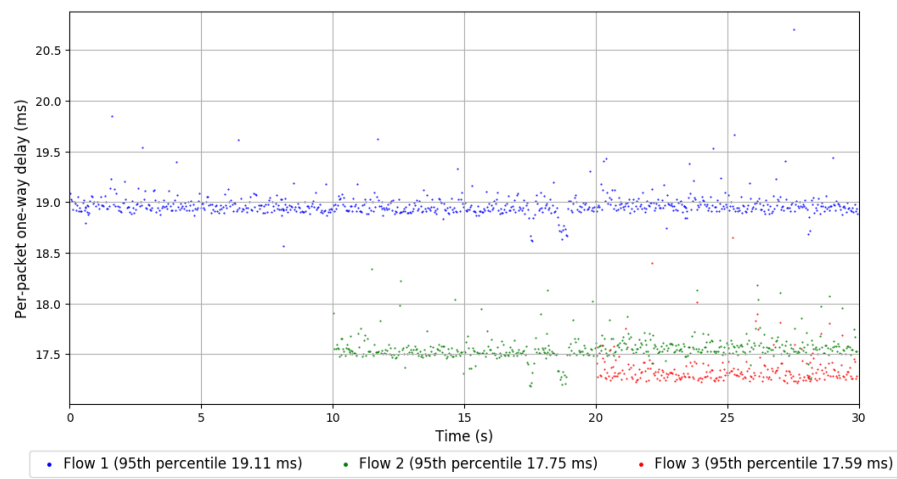
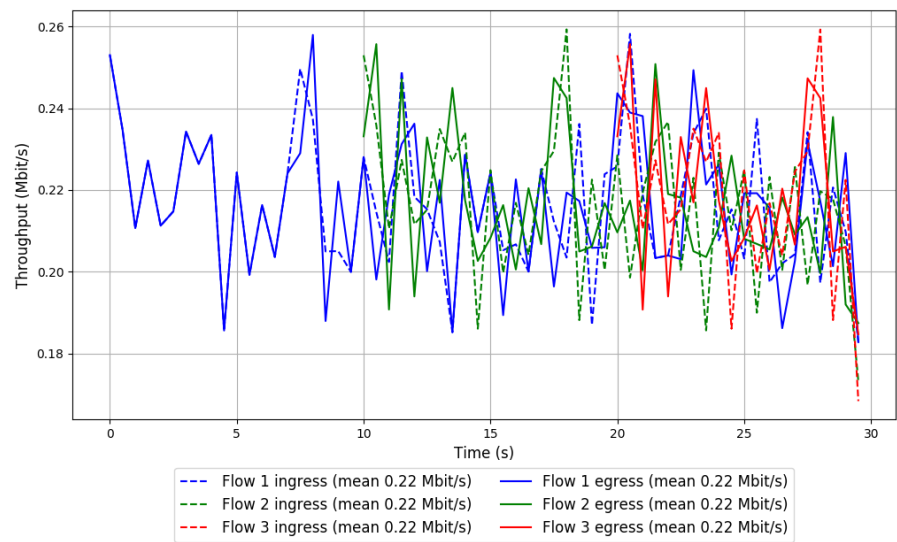


Run 2: Statistics of SReAM

Start at: 2017-12-05 22:55:59
End at: 2017-12-05 22:56:29
Local clock offset: 1.196 ms
Remote clock offset: -1.355 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.056 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: 17.751 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.588 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

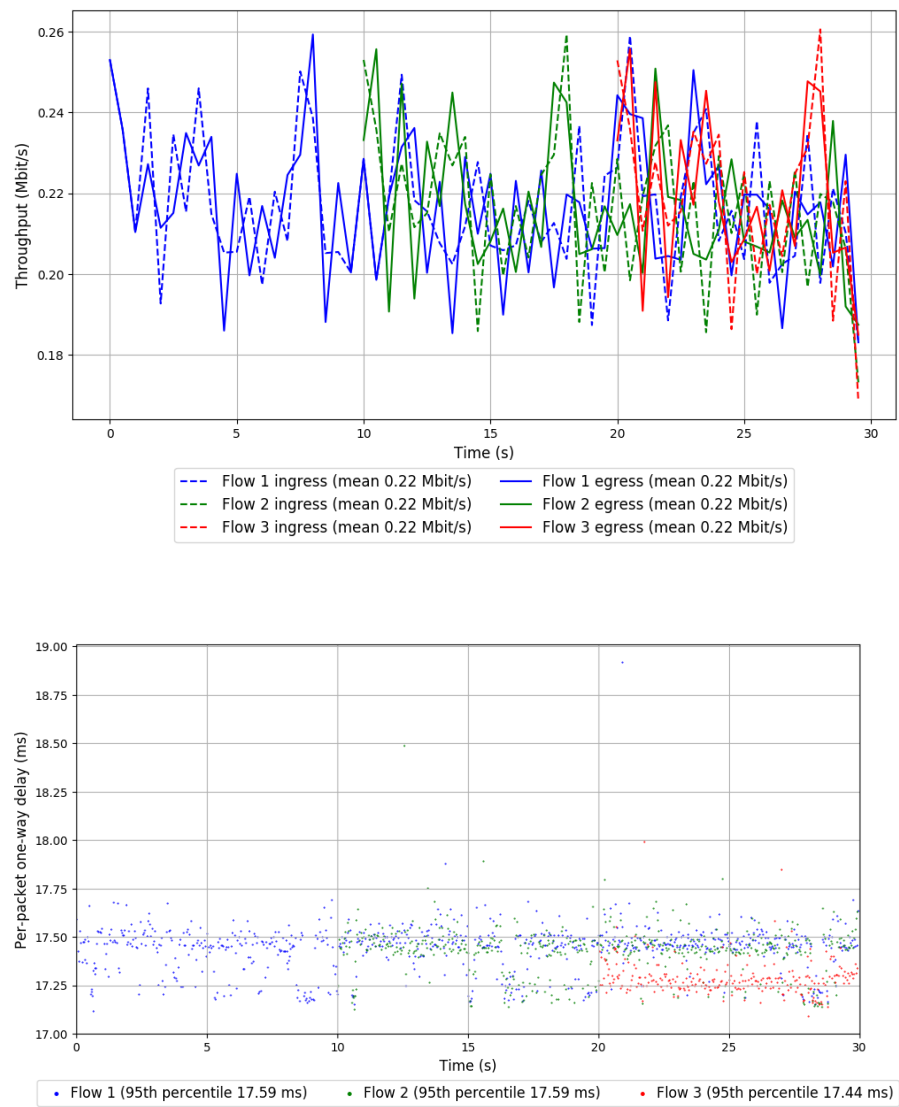


Run 3: Statistics of SReAM

Start at: 2017-12-05 23:15:58
End at: 2017-12-05 23:16:28
Local clock offset: 1.017 ms
Remote clock offset: -1.382 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 17.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.591 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.589 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.438 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

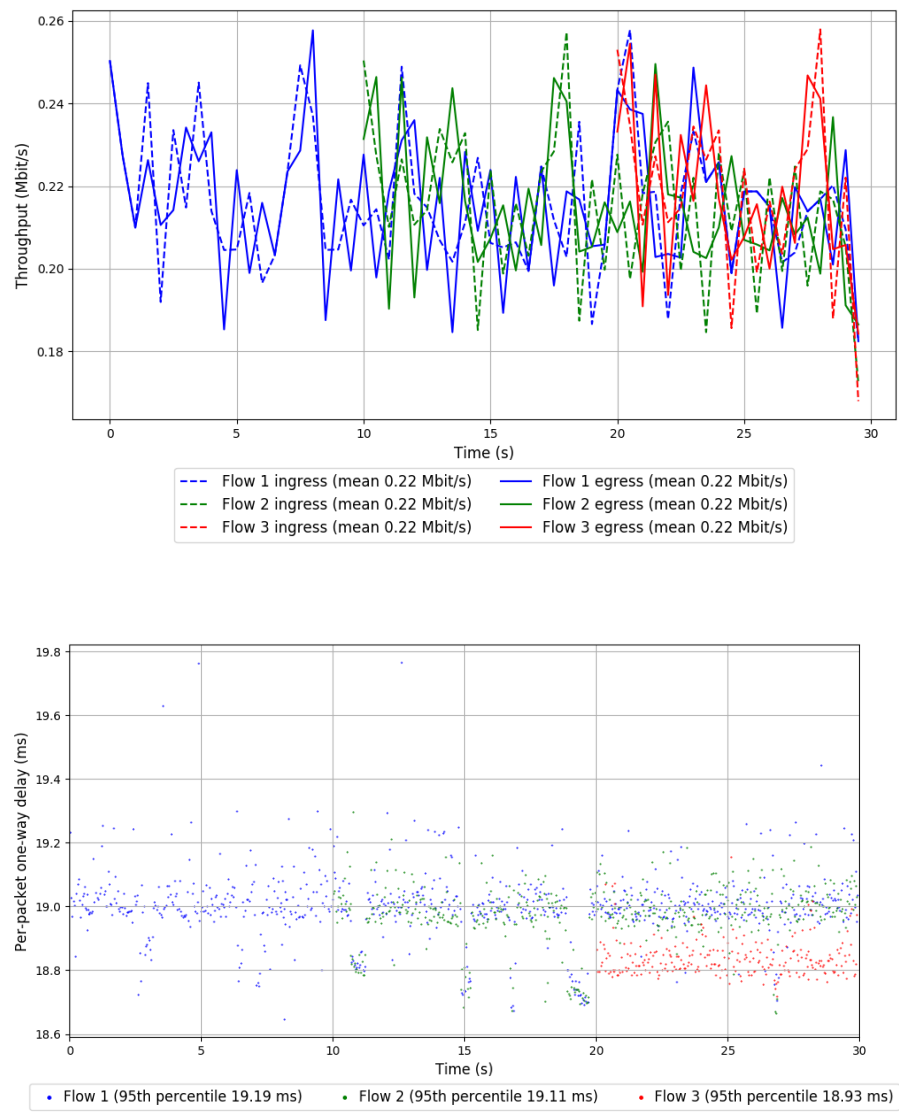


Run 4: Statistics of SReAM

Start at: 2017-12-05 23:36:12
End at: 2017-12-05 23:36:42
Local clock offset: 0.591 ms
Remote clock offset: -1.126 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.935 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

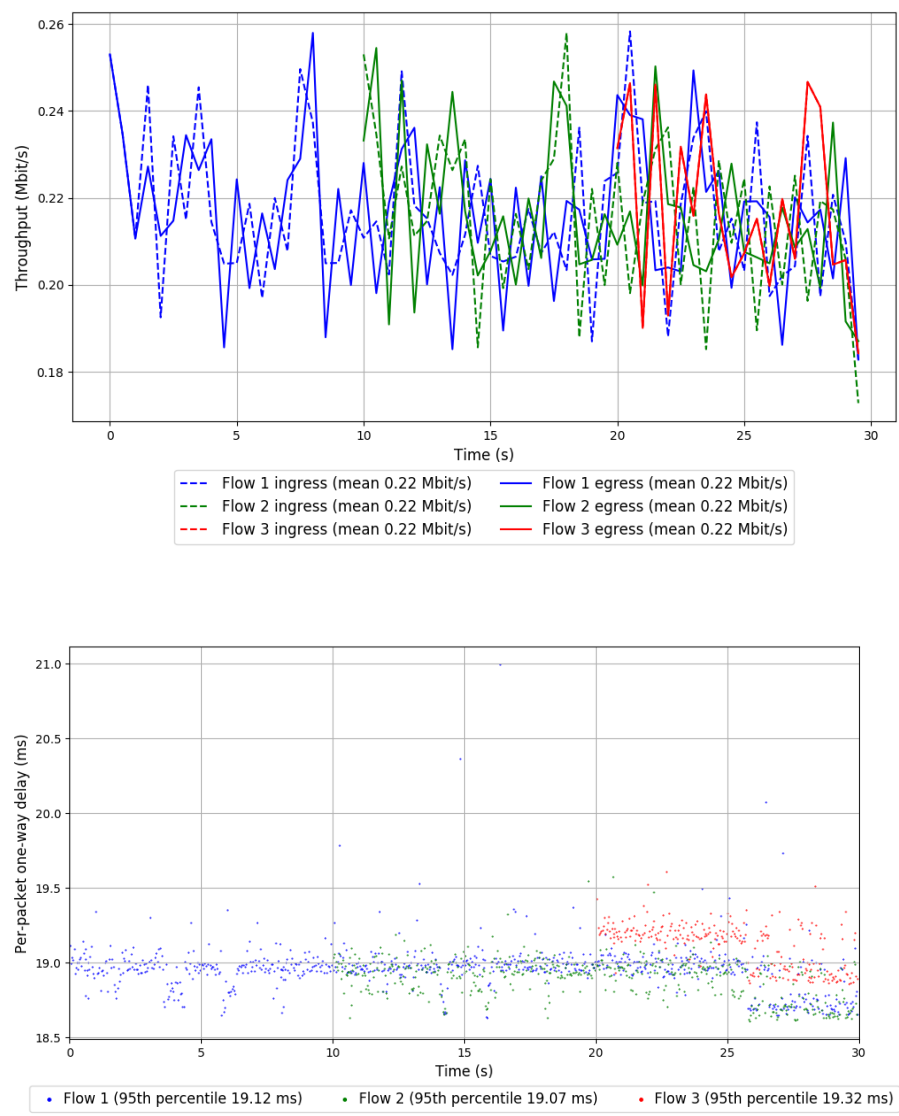


Run 5: Statistics of SReAM

Start at: 2017-12-05 23:56:33
End at: 2017-12-05 23:57:03
Local clock offset: 0.439 ms
Remote clock offset: -1.082 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.316 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

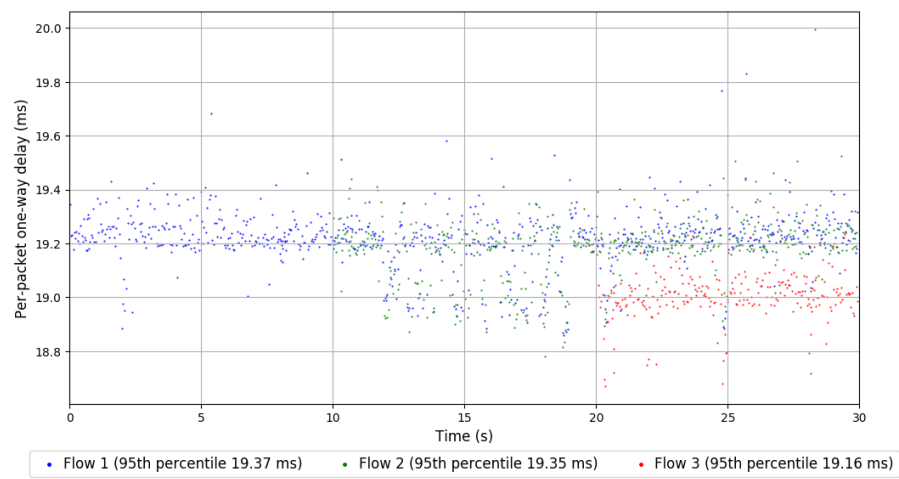
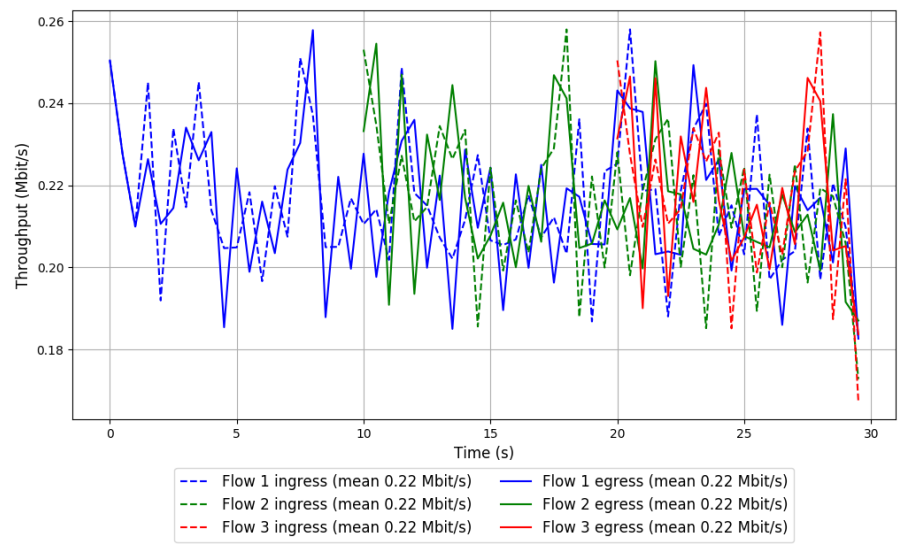


Run 6: Statistics of SReAM

Start at: 2017-12-06 00:16:47
End at: 2017-12-06 00:17:17
Local clock offset: 0.495 ms
Remote clock offset: -0.923 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.349 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: 19.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

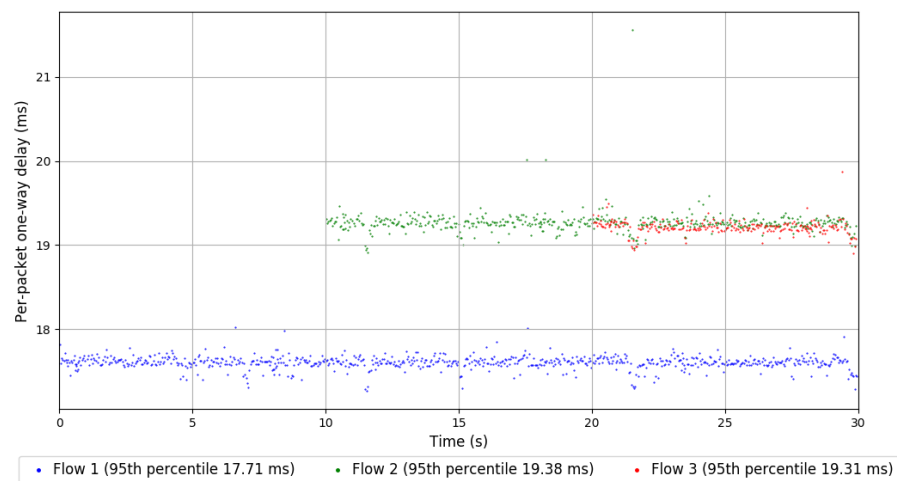
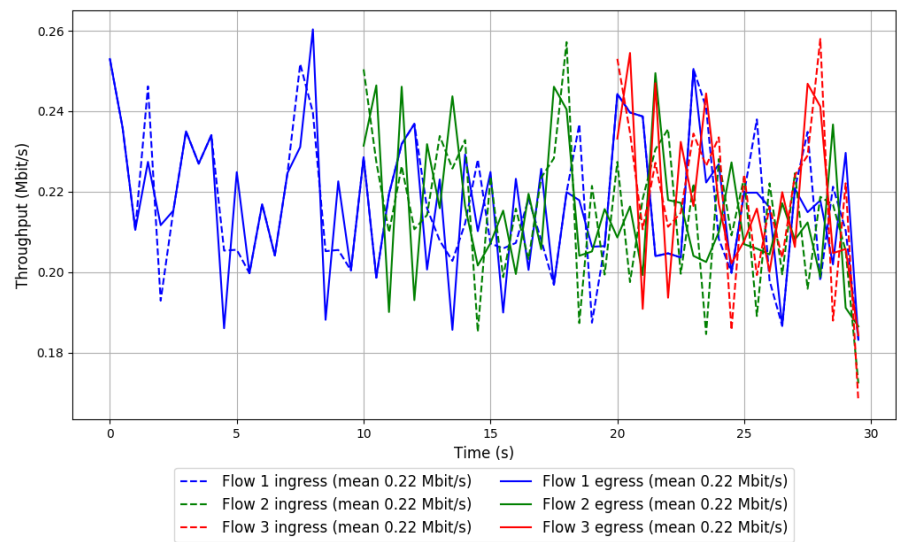


Run 7: Statistics of SReAM

Start at: 2017-12-06 00:36:57
End at: 2017-12-06 00:37:27
Local clock offset: 0.547 ms
Remote clock offset: -0.789 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.714 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.376 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.308 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

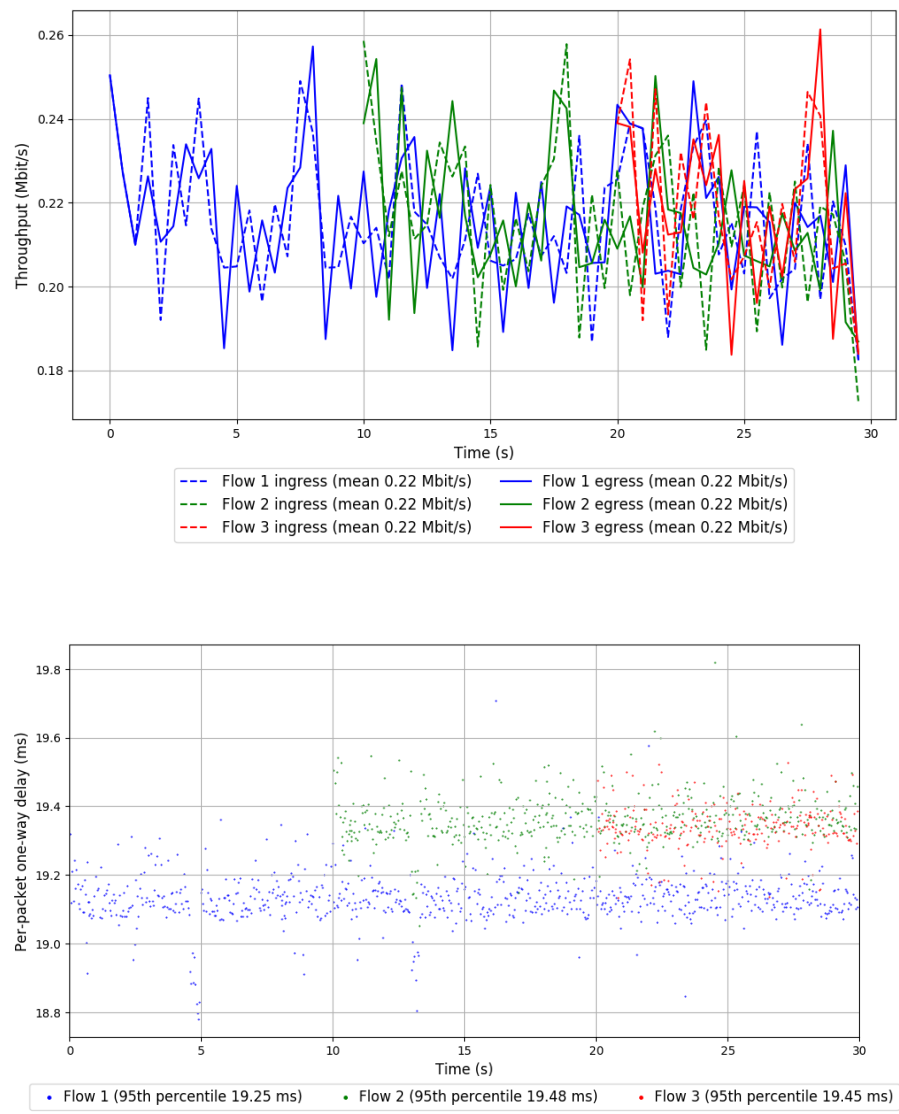


Run 8: Statistics of SReAM

Start at: 2017-12-06 00:57:05
End at: 2017-12-06 00:57:35
Local clock offset: 0.781 ms
Remote clock offset: -0.663 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.483 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.448 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2017-12-06 01:17:16

End at: 2017-12-06 01:17:46

Local clock offset: 1.077 ms

Remote clock offset: -0.53 ms

Below is generated by plot.py at 2017-12-06 04:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.450 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 17.828 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.480 ms

Loss rate: 0.00%

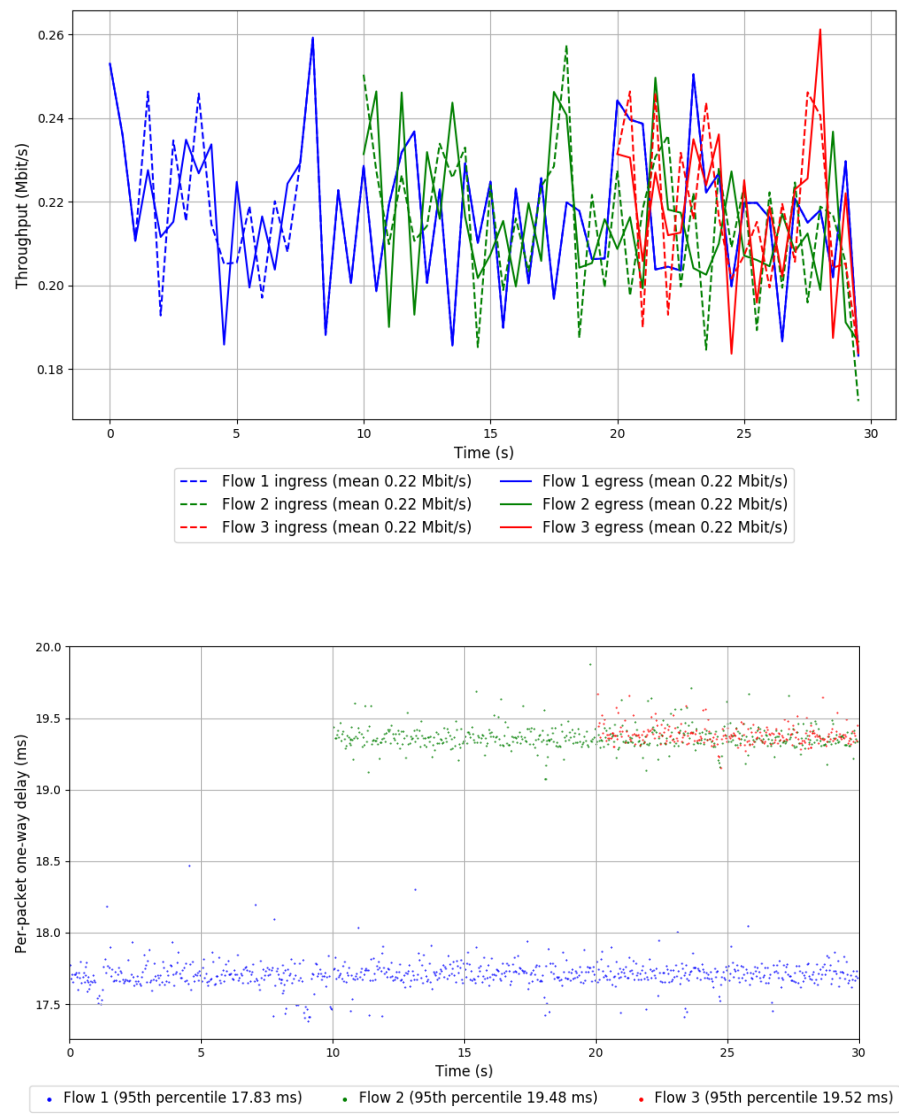
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.516 ms

Loss rate: 0.00%

Run 9: Report of SCRaM — Data Link

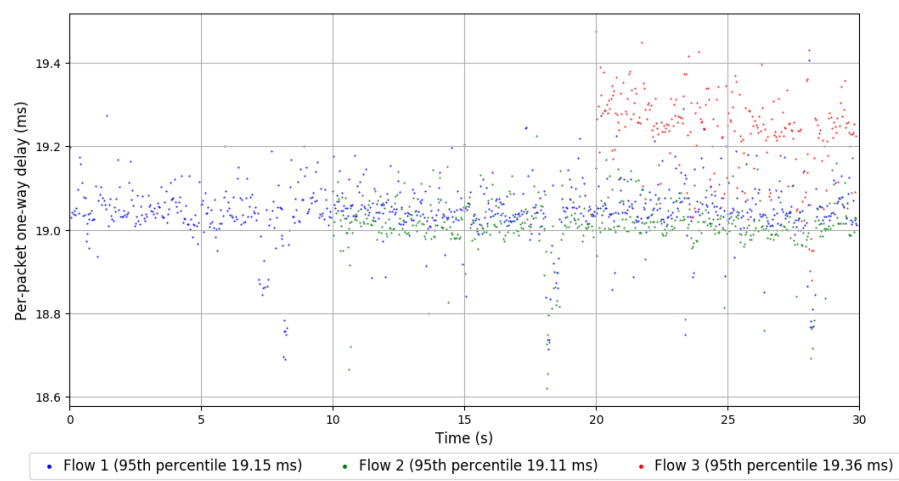
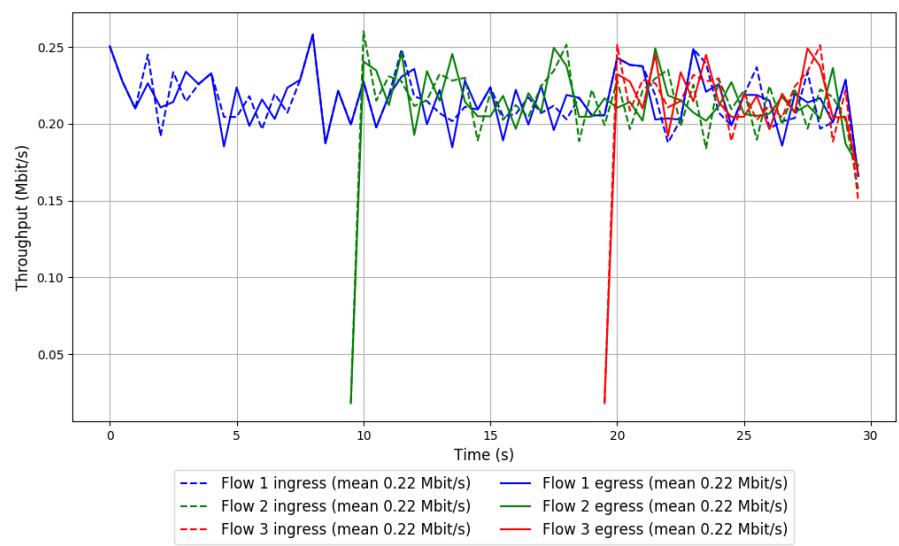


Run 10: Statistics of SCReAM

Start at: 2017-12-06 01:37:29
End at: 2017-12-06 01:37:59
Local clock offset: 1.194 ms
Remote clock offset: -0.971 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.113 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.365 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

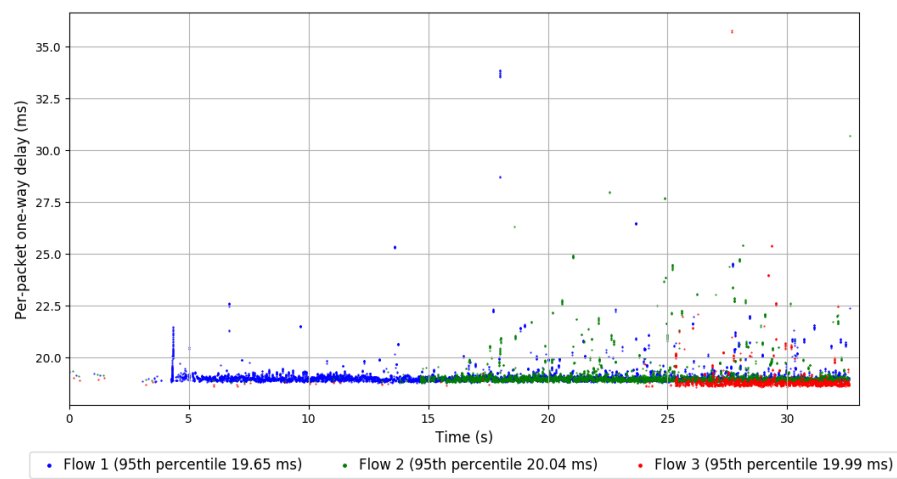
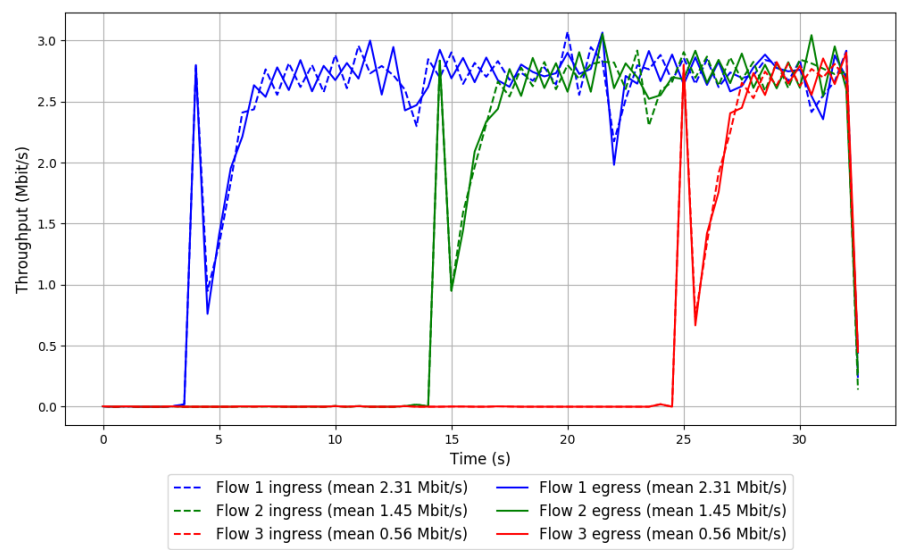


Run 1: Statistics of WebRTC media

Start at: 2017-12-05 22:22:34
End at: 2017-12-05 22:23:04
Local clock offset: 1.245 ms
Remote clock offset: -1.048 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 19.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.654 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 20.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 19.988 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

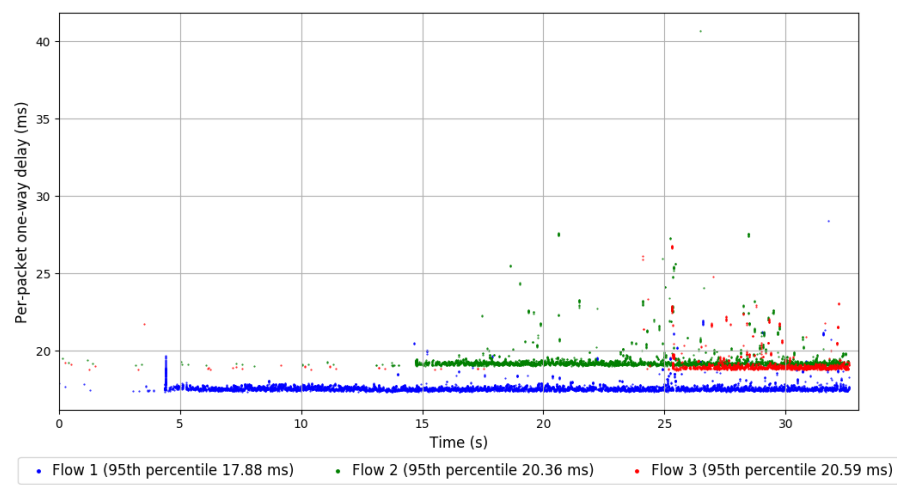
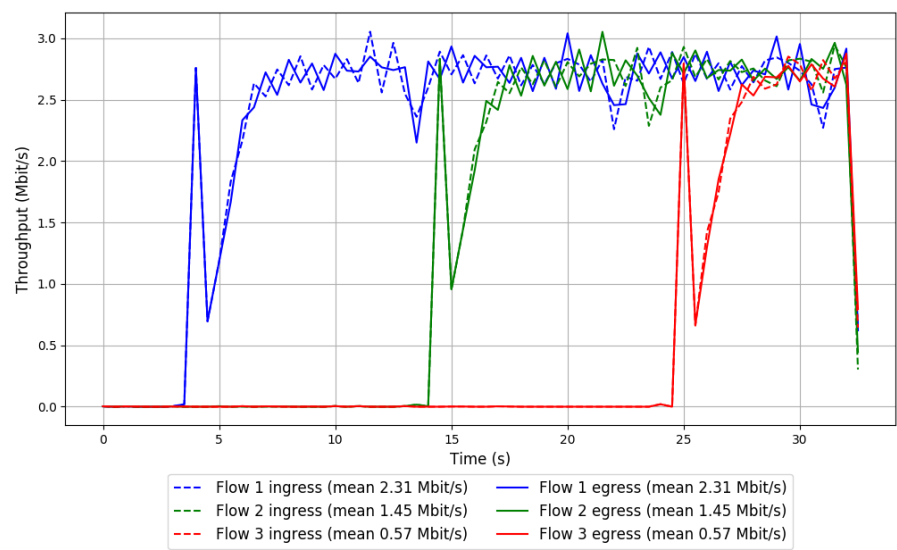


Run 2: Statistics of WebRTC media

Start at: 2017-12-05 22:42:36
End at: 2017-12-05 22:43:06
Local clock offset: 1.187 ms
Remote clock offset: -1.009 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 19.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 17.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 20.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 20.588 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

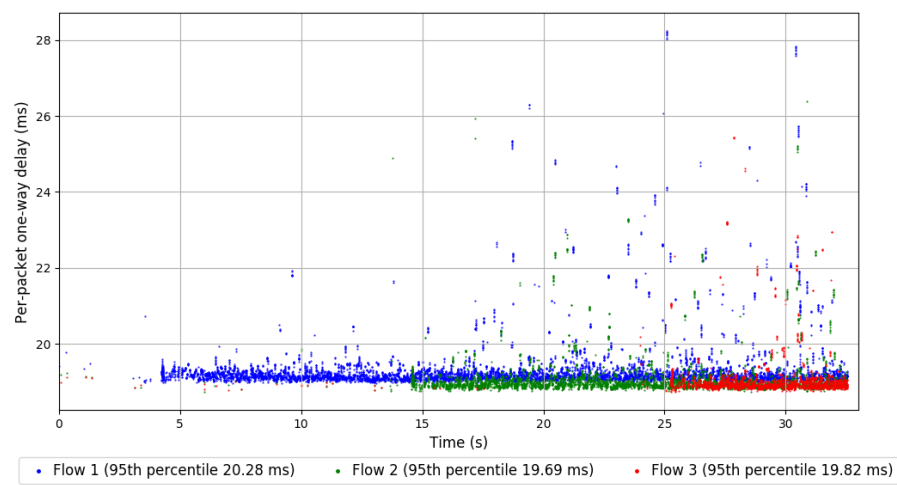
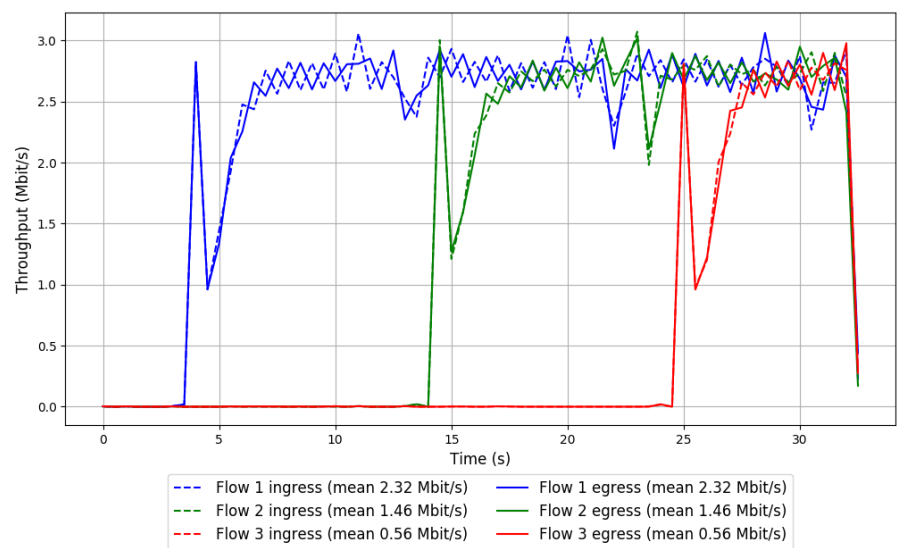


Run 3: Statistics of WebRTC media

Start at: 2017-12-05 23:02:41
End at: 2017-12-05 23:03:11
Local clock offset: 1.06 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 19.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 20.277 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.686 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 19.822 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

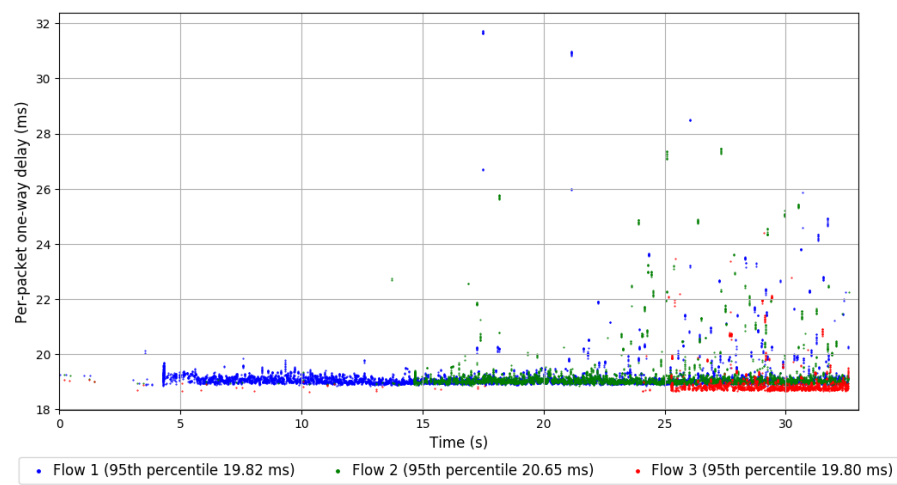
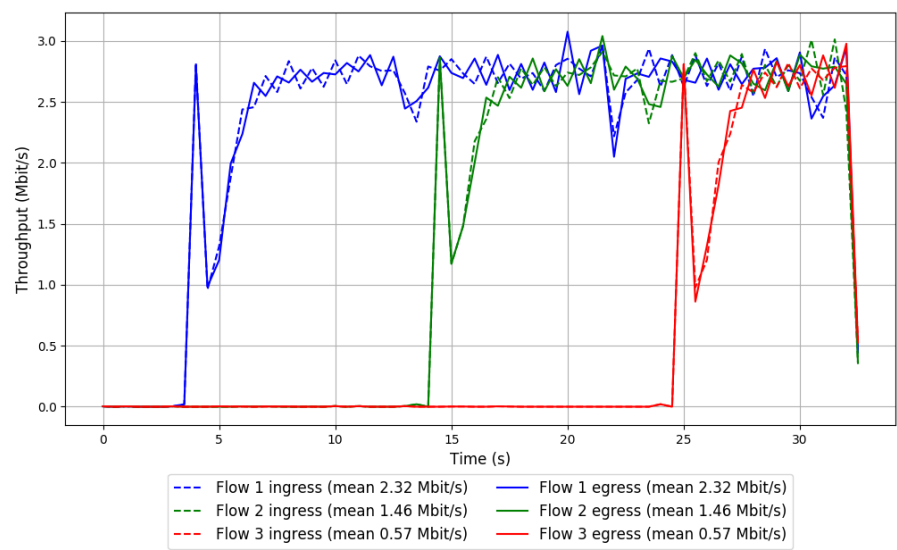


Run 4: Statistics of WebRTC media

Start at: 2017-12-05 23:22:41
End at: 2017-12-05 23:23:11
Local clock offset: 0.821 ms
Remote clock offset: -1.295 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 19.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 20.654 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 19.795 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

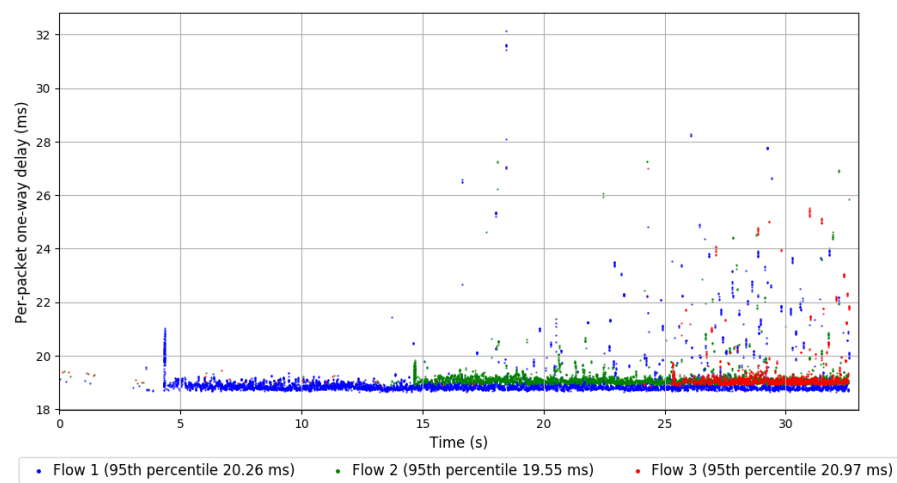
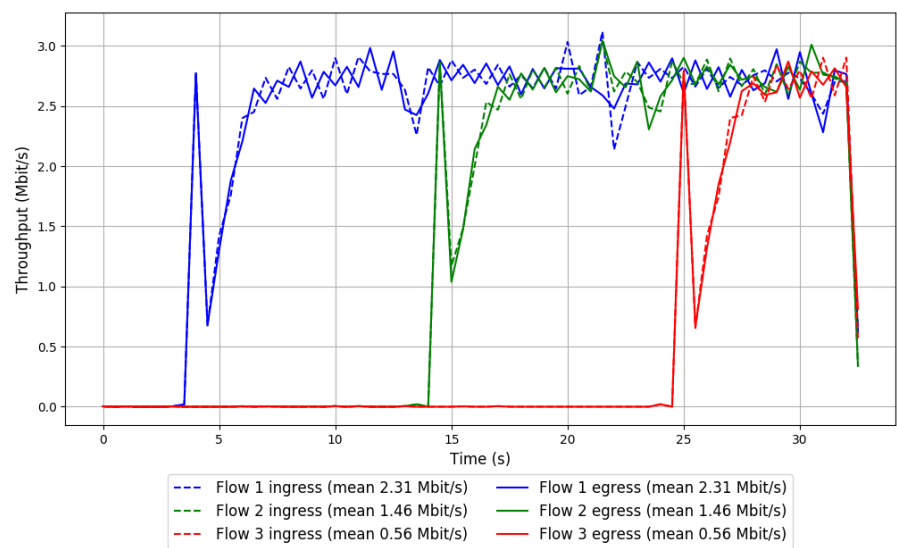


Run 5: Statistics of WebRTC media

Start at: 2017-12-05 23:42:55
End at: 2017-12-05 23:43:25
Local clock offset: 0.498 ms
Remote clock offset: -1.099 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 20.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.554 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20.973 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-12-06 00:03:14

End at: 2017-12-06 00:03:44

Local clock offset: 0.45 ms

Remote clock offset: -1.13 ms

Below is generated by plot.py at 2017-12-06 04:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 20.295 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 19.750 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 21.224 ms

Loss rate: 0.00%

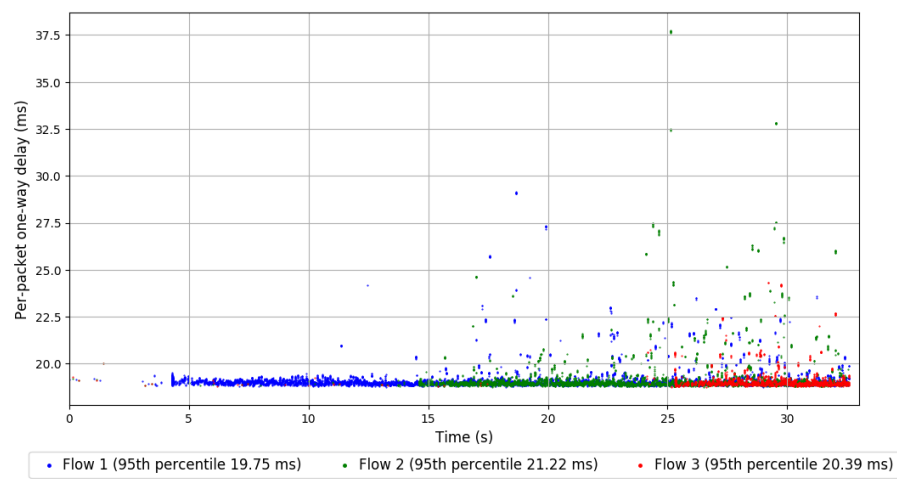
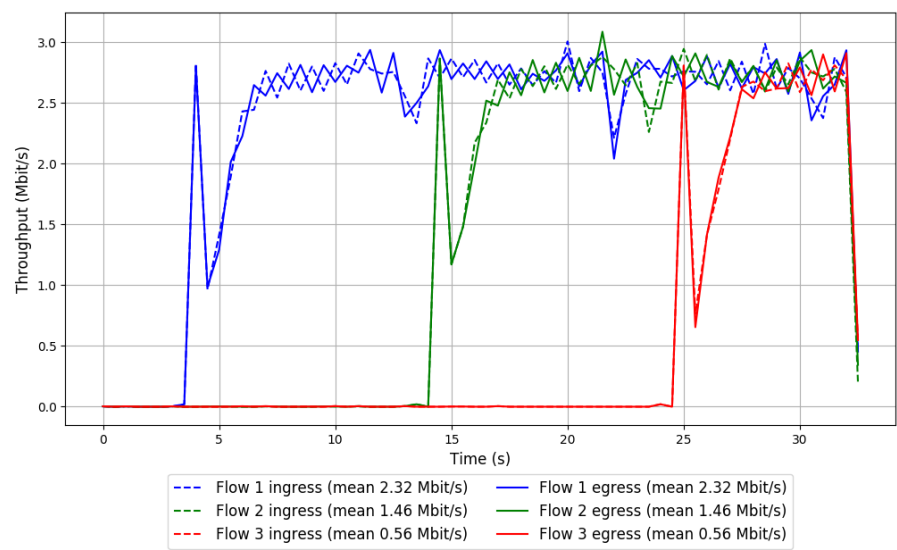
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 20.390 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

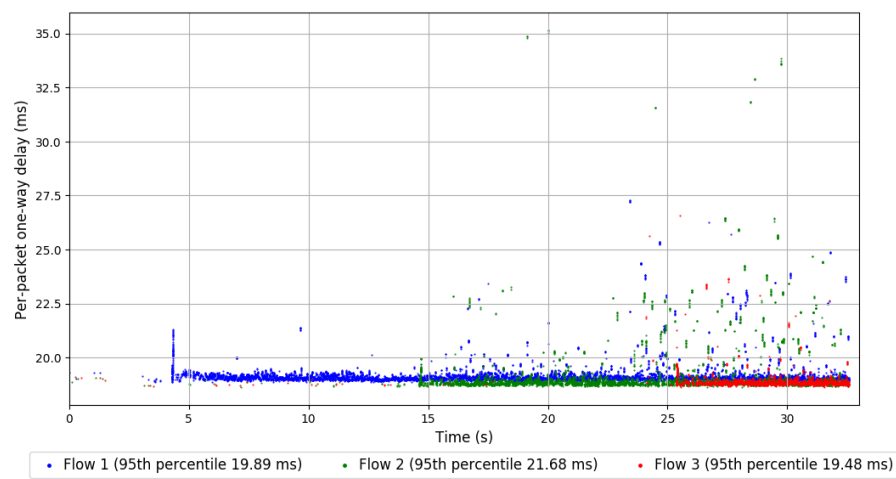


Run 7: Statistics of WebRTC media

Start at: 2017-12-06 00:23:30
End at: 2017-12-06 00:24:00
Local clock offset: 0.423 ms
Remote clock offset: -0.917 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 20.272 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 21.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 19.480 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

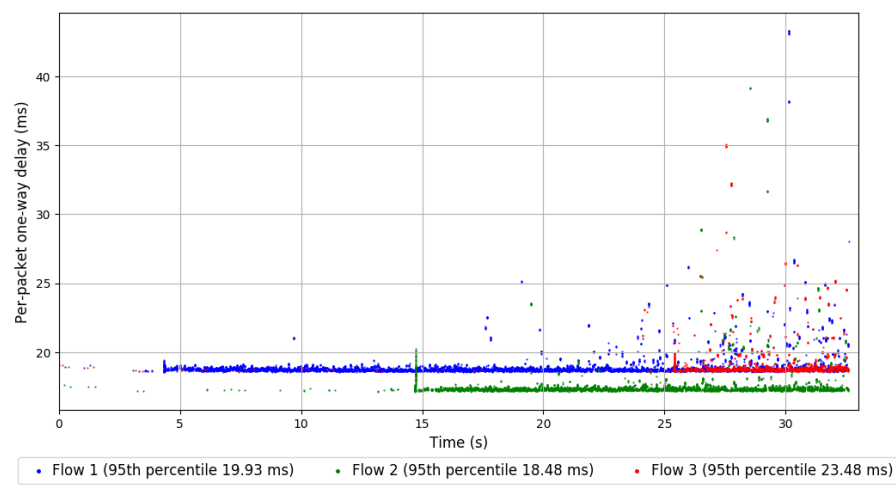
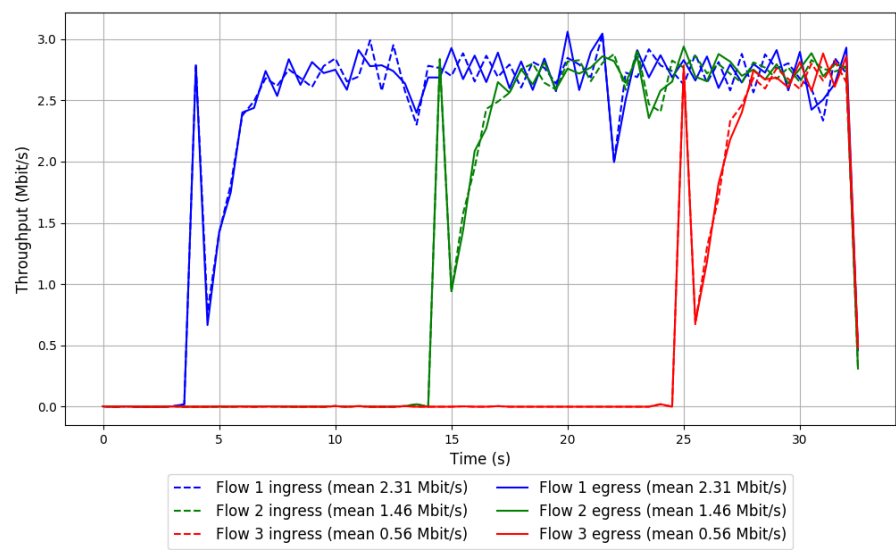


Run 8: Statistics of WebRTC media

Start at: 2017-12-06 00:43:39
End at: 2017-12-06 00:44:09
Local clock offset: 0.699 ms
Remote clock offset: -0.722 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 18.480 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 23.479 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

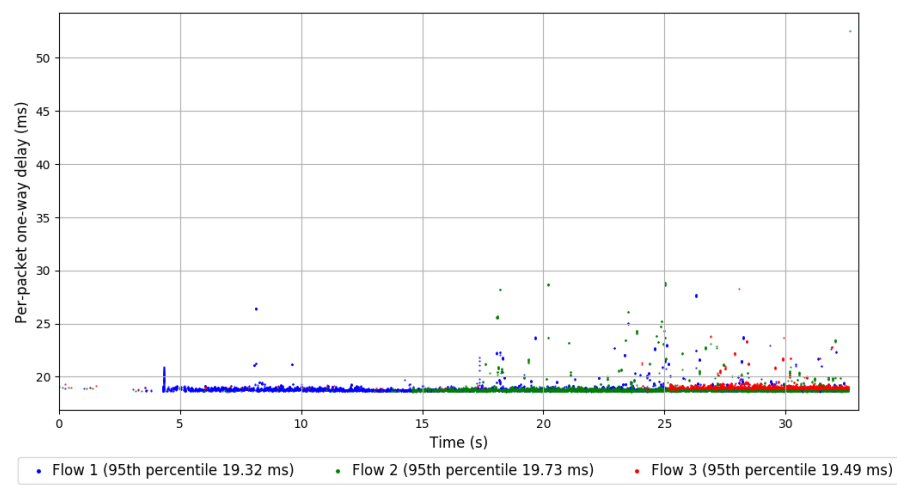
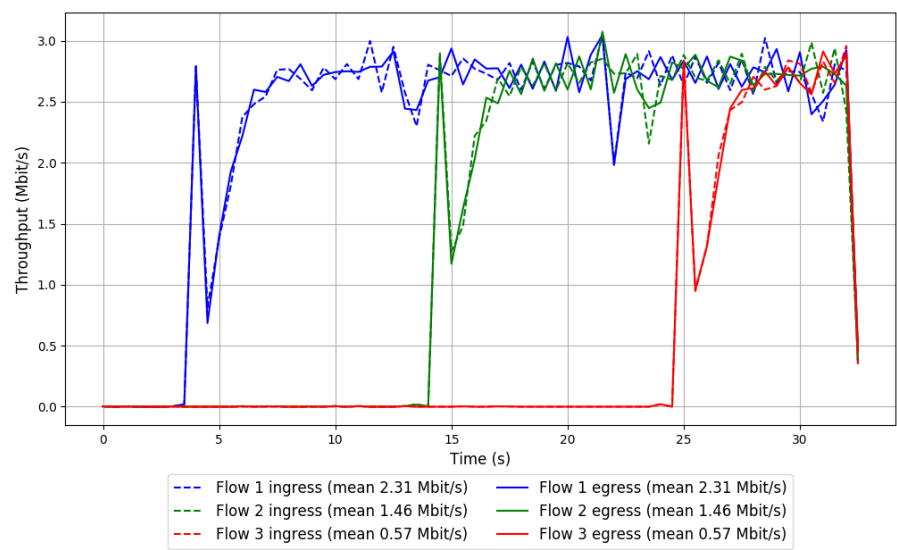


Run 9: Statistics of WebRTC media

Start at: 2017-12-06 01:03:48
End at: 2017-12-06 01:04:18
Local clock offset: 0.999 ms
Remote clock offset: -0.694 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 19.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.320 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 19.735 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 19.486 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

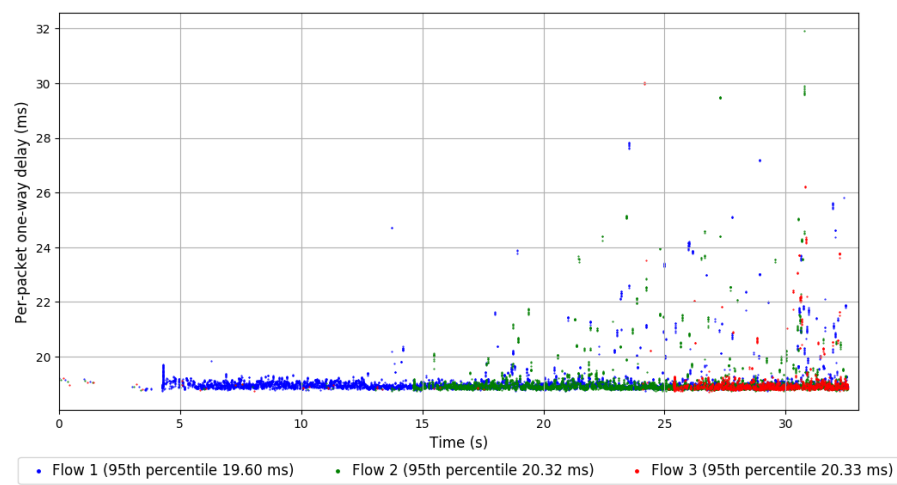
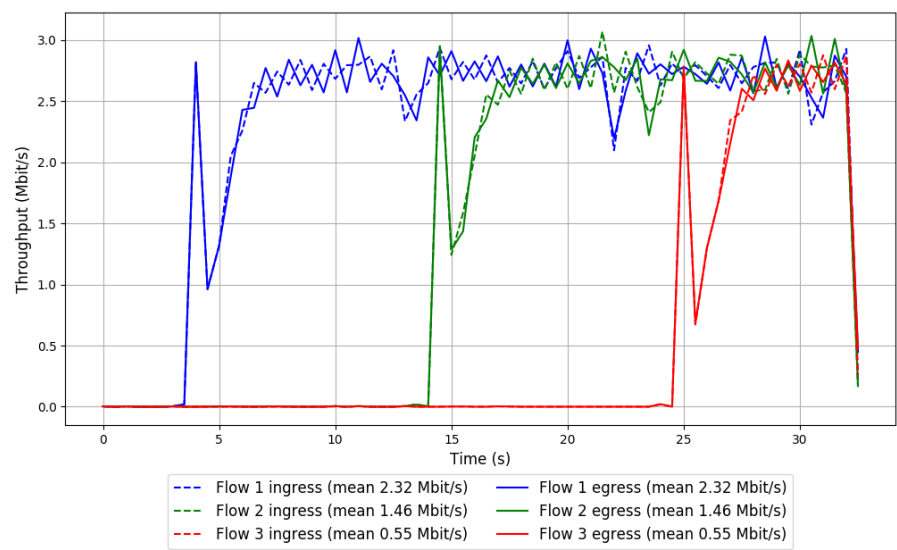


Run 10: Statistics of WebRTC media

Start at: 2017-12-06 01:23:59
End at: 2017-12-06 01:24:29
Local clock offset: 1.252 ms
Remote clock offset: -0.601 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 19.916 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 20.317 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 20.328 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

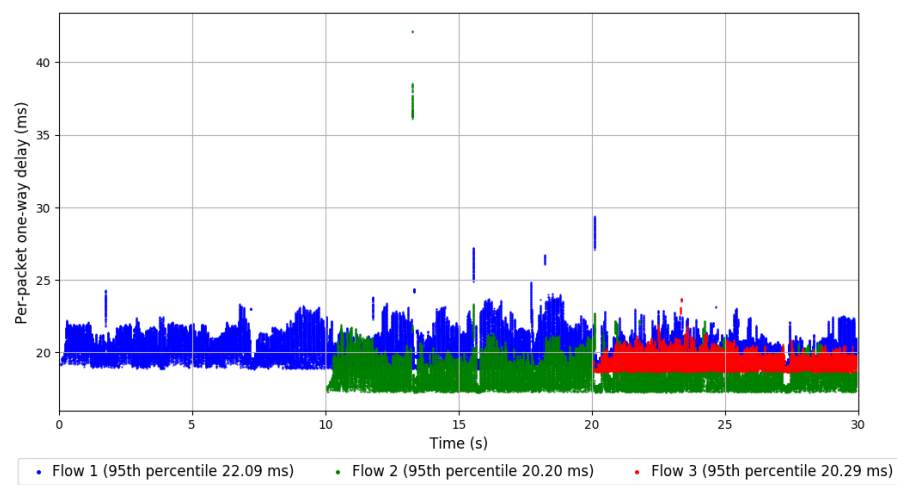
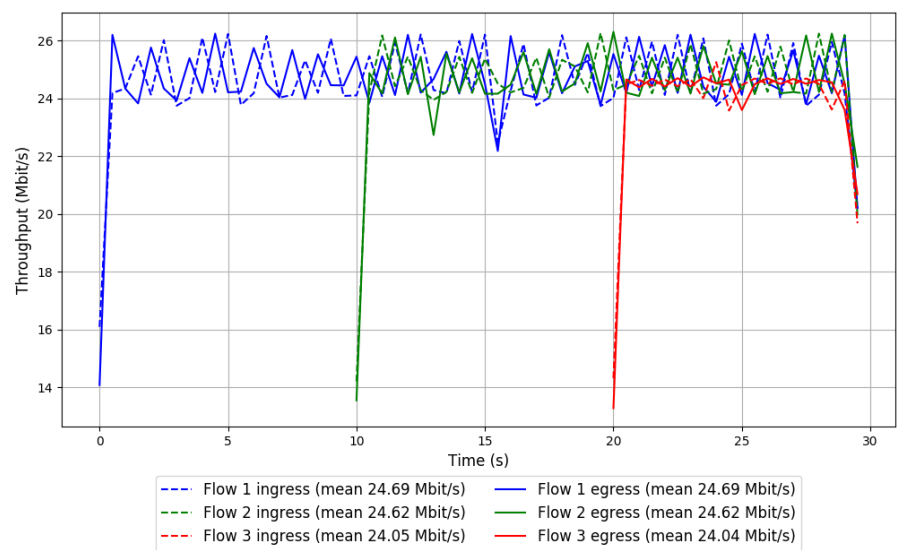


```
Run 1: Statistics of Sprout

Start at: 2017-12-05 22:21:22
End at: 2017-12-05 22:21:52
Local clock offset: 1.249 ms
Remote clock offset: -1.049 ms

# Below is generated by plot.py at 2017-12-06 04:26:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 21.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.089 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 20.198 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 20.289 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

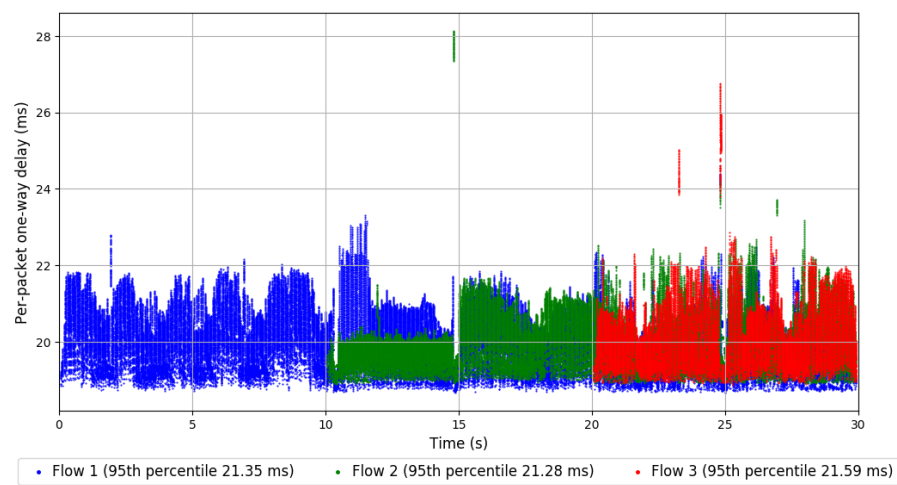
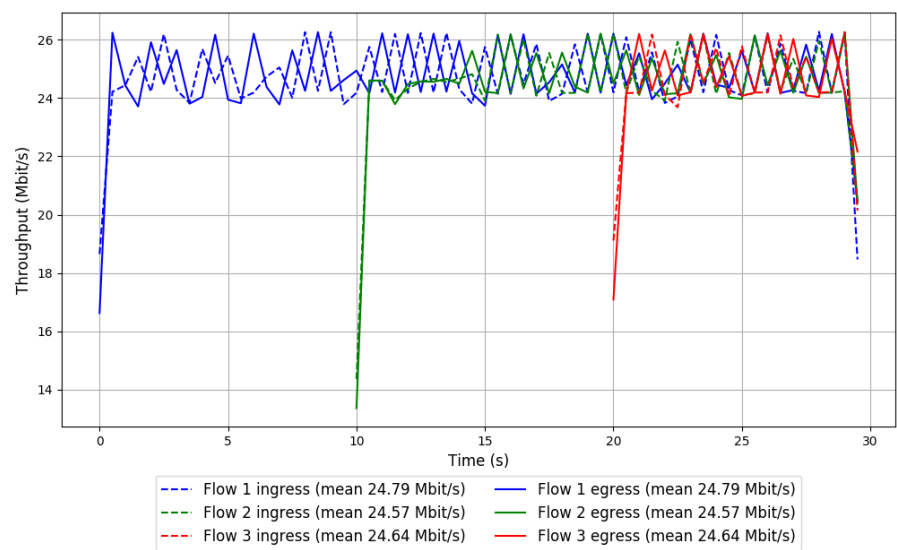


Run 2: Statistics of Sprout

Start at: 2017-12-05 22:41:24
End at: 2017-12-05 22:41:54
Local clock offset: 1.282 ms
Remote clock offset: -1.011 ms

```
# Below is generated by plot.py at 2017-12-06 04:26:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 21.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 21.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 21.284 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 21.592 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

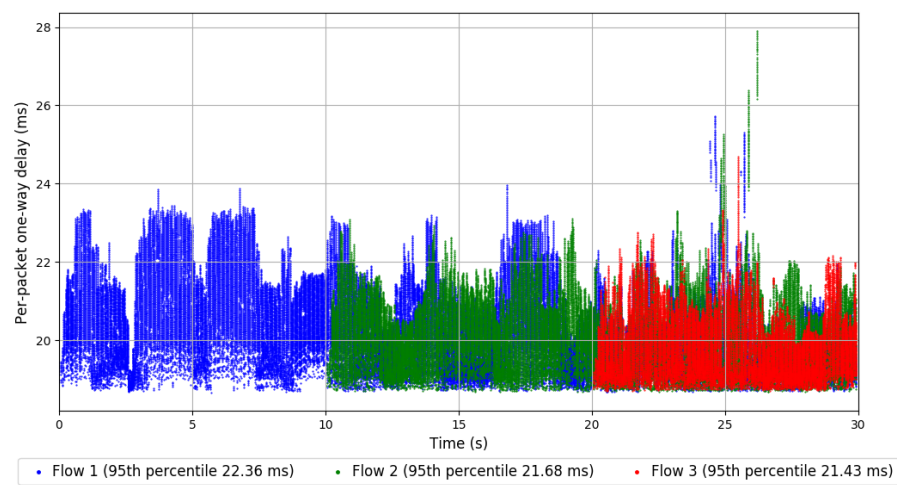
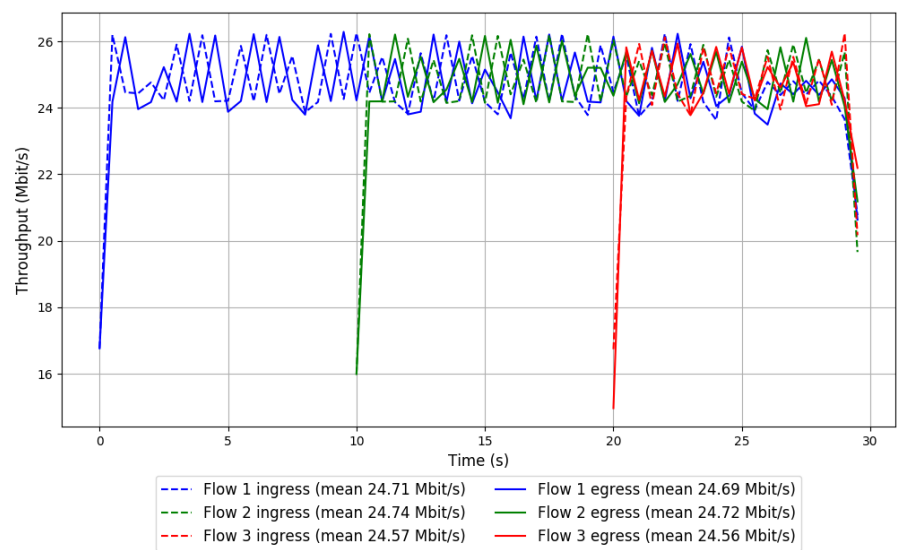


Run 3: Statistics of Sprout

Start at: 2017-12-05 23:01:29
End at: 2017-12-05 23:01:59
Local clock offset: 1.168 ms
Remote clock offset: -1.322 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 22.017 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.357 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 21.678 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 21.426 ms
Loss rate: 0.05%

Run 3: Report of Sprout — Data Link

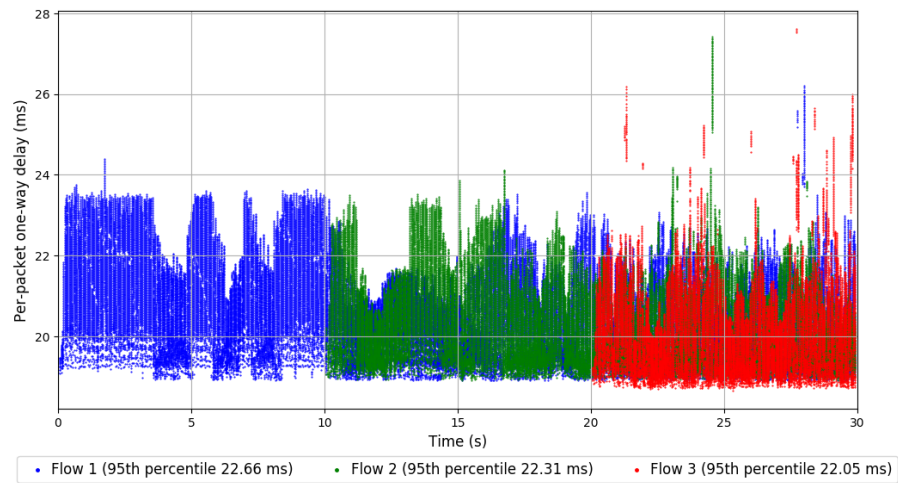
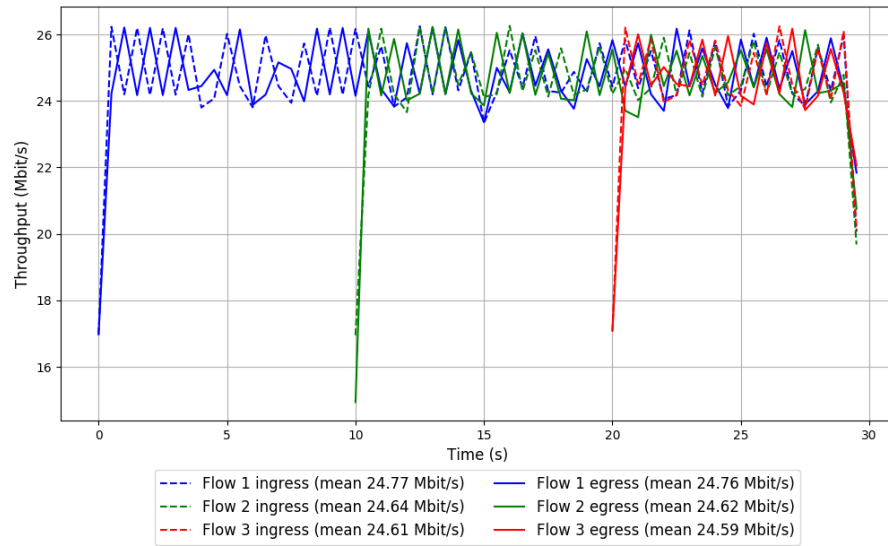


Run 4: Statistics of Sprout

Start at: 2017-12-05 23:21:29
End at: 2017-12-05 23:21:59
Local clock offset: 0.849 ms
Remote clock offset: -1.315 ms

```
# Below is generated by plot.py at 2017-12-06 04:26:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 22.491 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 22.658 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 22.309 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 22.050 ms
Loss rate: 0.05%
```

Run 4: Report of Sprout — Data Link

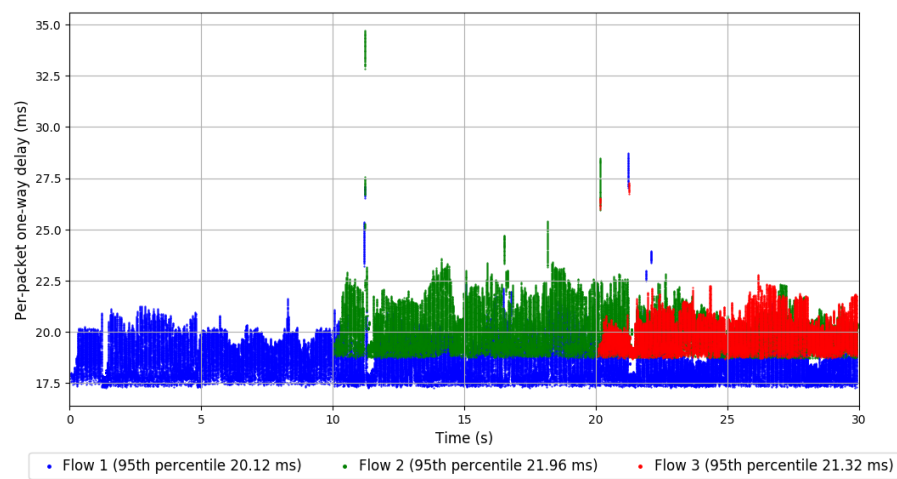
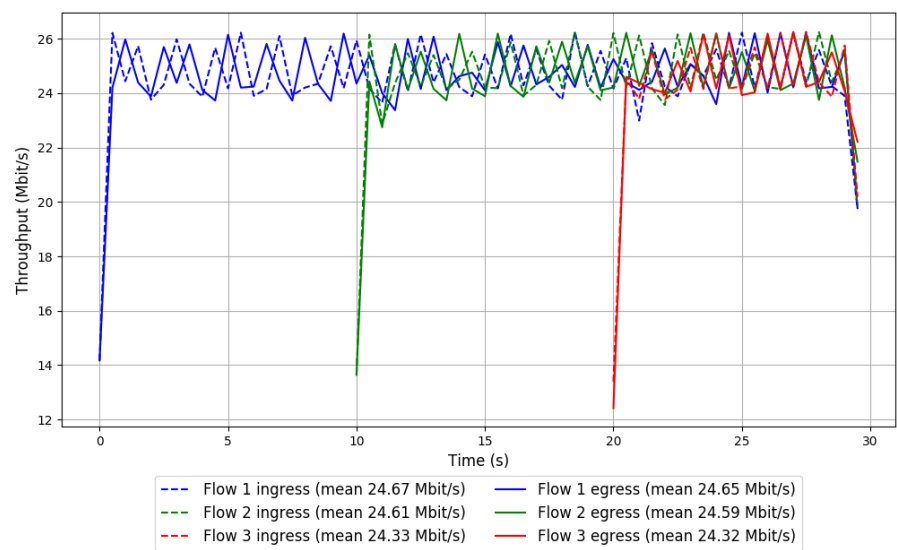


Run 5: Statistics of Sprout

Start at: 2017-12-05 23:41:43
End at: 2017-12-05 23:42:13
Local clock offset: 0.509 ms
Remote clock offset: -1.115 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 21.368 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 20.118 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: 21.965 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 21.321 ms
Loss rate: 0.01%

Run 5: Report of Sprout — Data Link

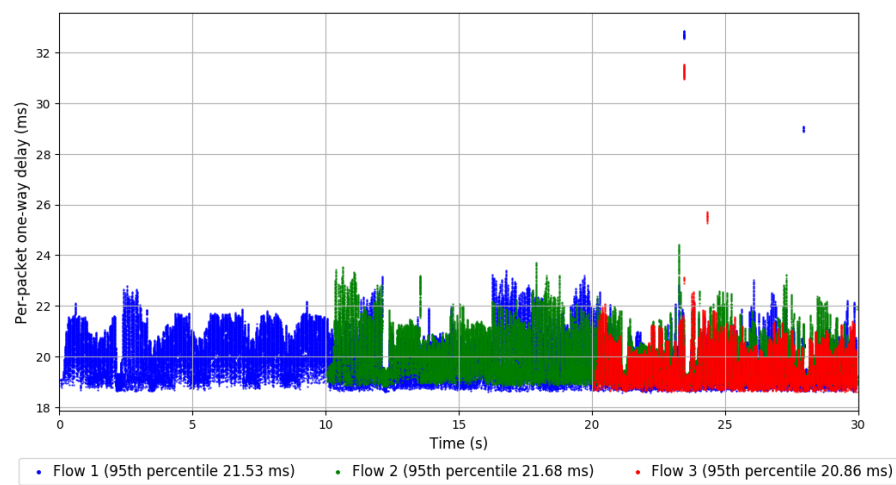
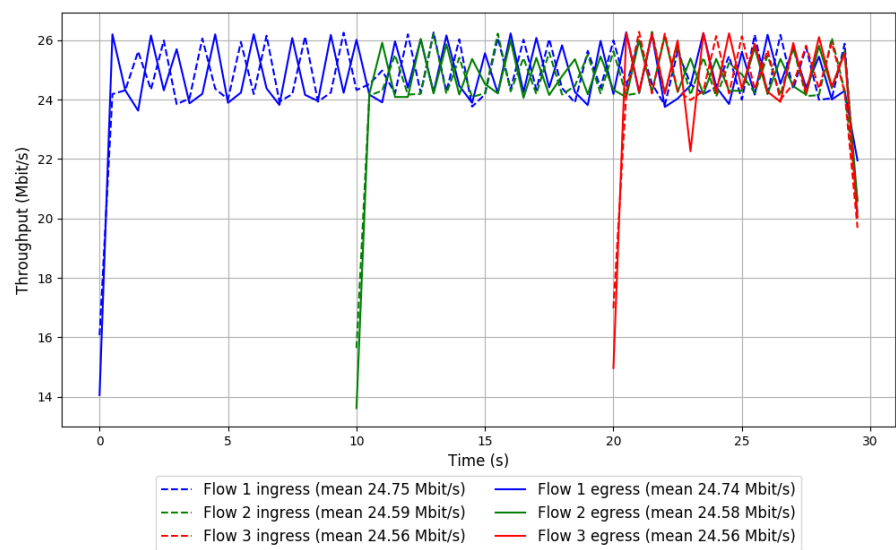


Run 6: Statistics of Sprout

Start at: 2017-12-06 00:02:02
End at: 2017-12-06 00:02:32
Local clock offset: 0.439 ms
Remote clock offset: -1.147 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 21.507 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 21.528 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 21.683 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 20.860 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

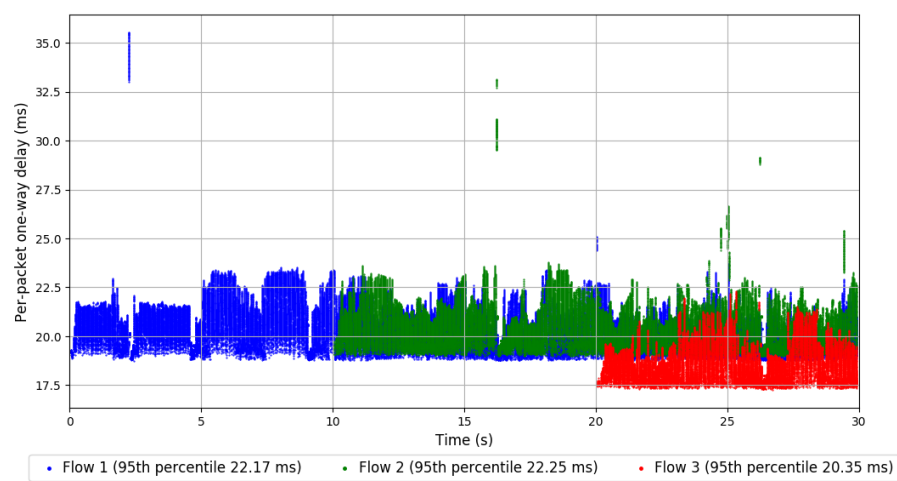
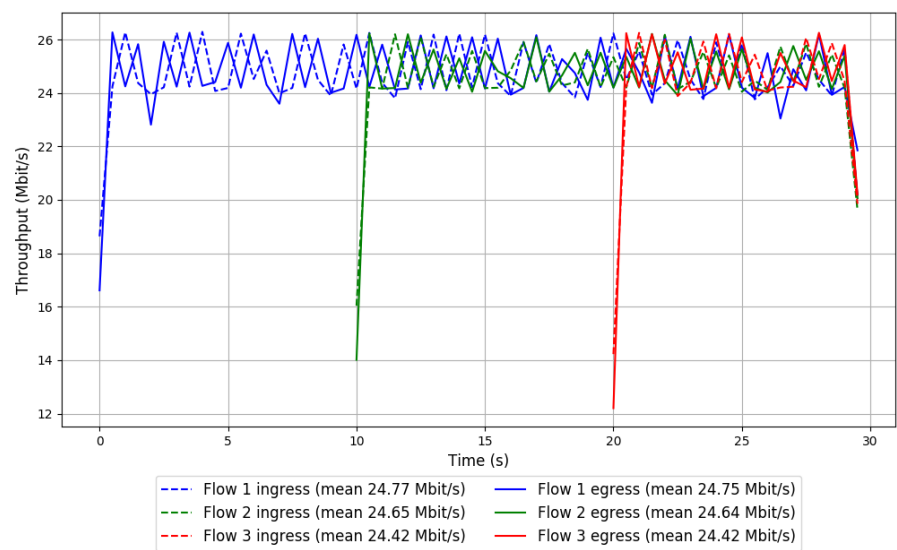


Run 7: Statistics of Sprout

Start at: 2017-12-06 00:22:18
End at: 2017-12-06 00:22:48
Local clock offset: 0.5 ms
Remote clock offset: -0.815 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 22.081 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.75 Mbit/s
95th percentile per-packet one-way delay: 22.166 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 22.255 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 20.346 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

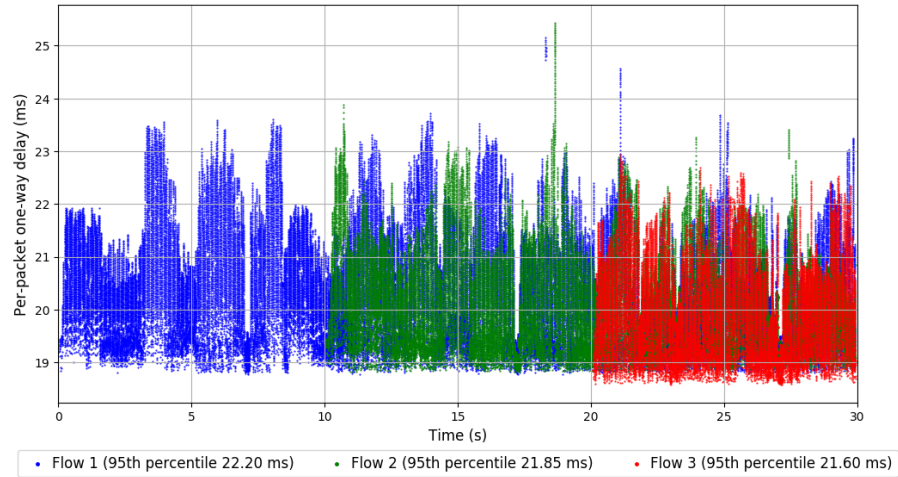
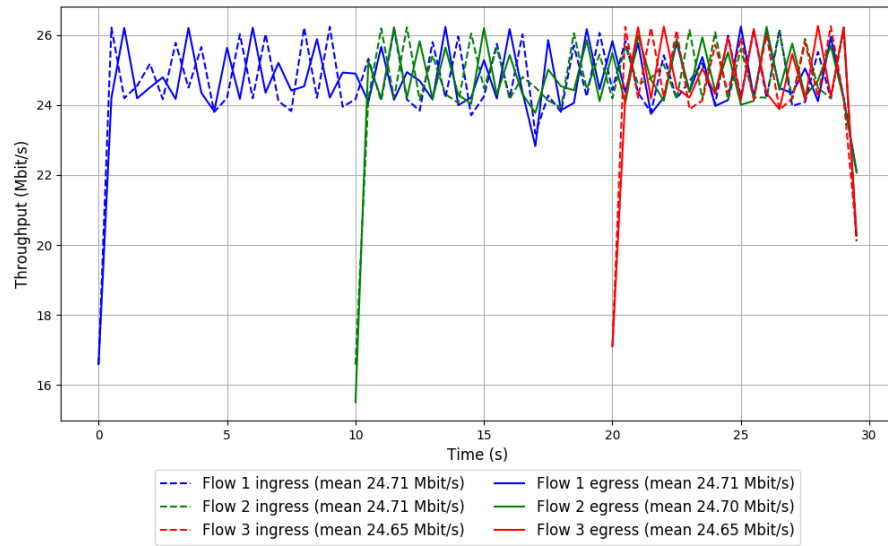


Run 8: Statistics of Sprout

Start at: 2017-12-06 00:42:27
End at: 2017-12-06 00:42:57
Local clock offset: 0.728 ms
Remote clock offset: -0.745 ms

```
# Below is generated by plot.py at 2017-12-06 04:26:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.27 Mbit/s
95th percentile per-packet one-way delay: 21.996 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.204 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 21.854 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 21.601 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

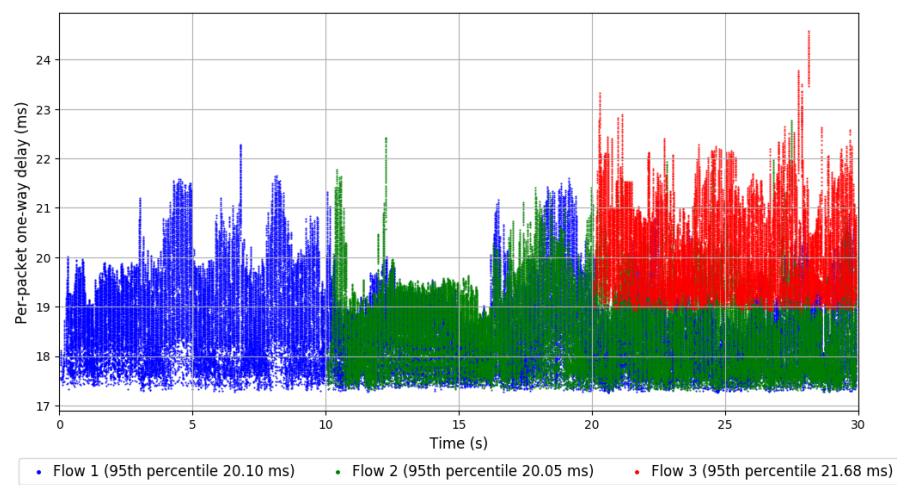
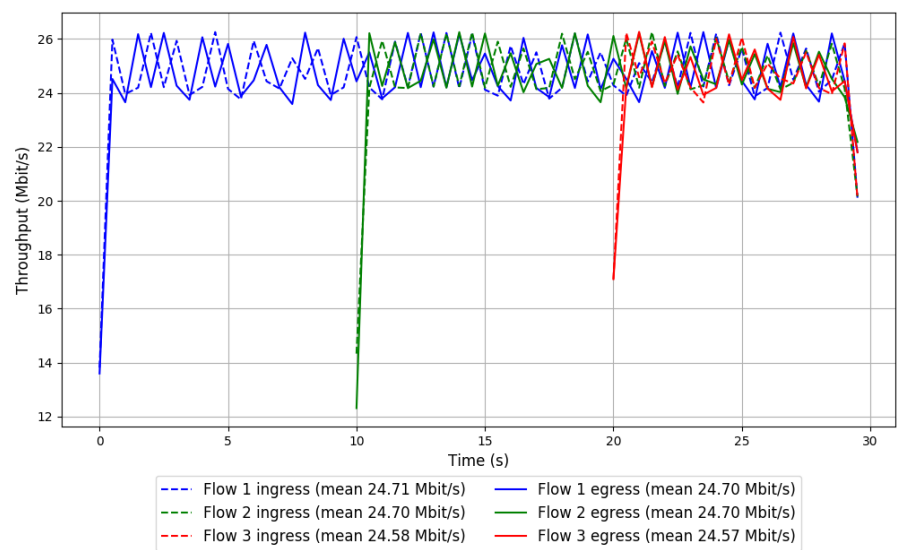


Run 9: Statistics of Sprout

Start at: 2017-12-06 01:02:36
End at: 2017-12-06 01:03:06
Local clock offset: 0.961 ms
Remote clock offset: -0.667 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.24 Mbit/s
95th percentile per-packet one-way delay: 20.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 20.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 20.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 21.684 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

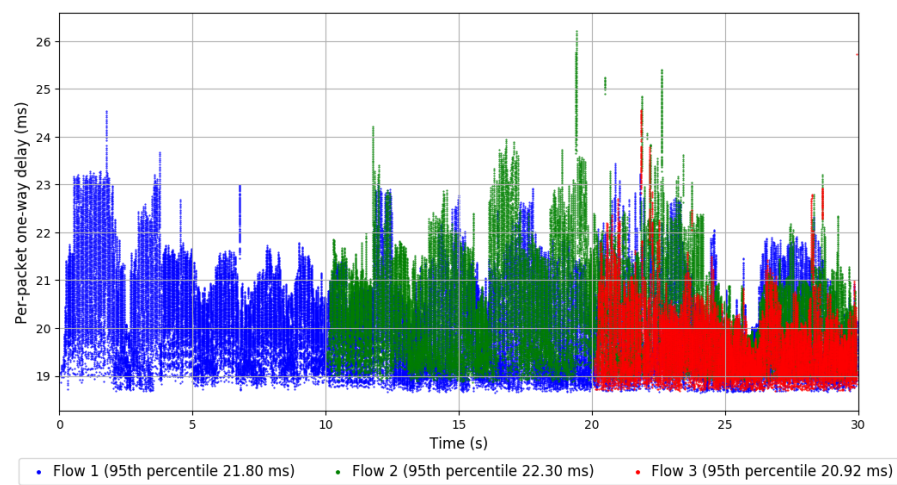
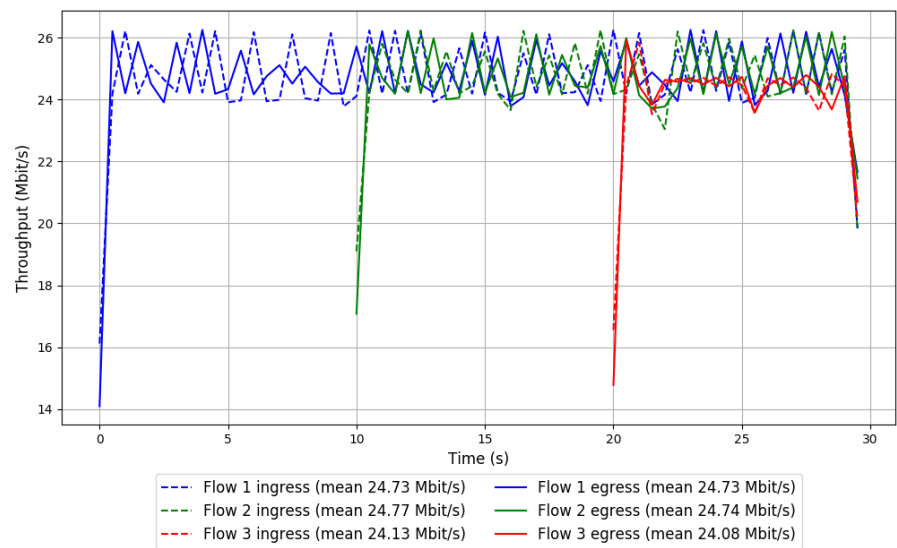


Run 10: Statistics of Sprout

Start at: 2017-12-06 01:22:47
End at: 2017-12-06 01:23:17
Local clock offset: 1.228 ms
Remote clock offset: -0.553 ms

Below is generated by plot.py at 2017-12-06 04:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 21.952 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 21.804 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.297 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 20.921 ms
Loss rate: 0.12%

Run 10: Report of Sprout — Data Link

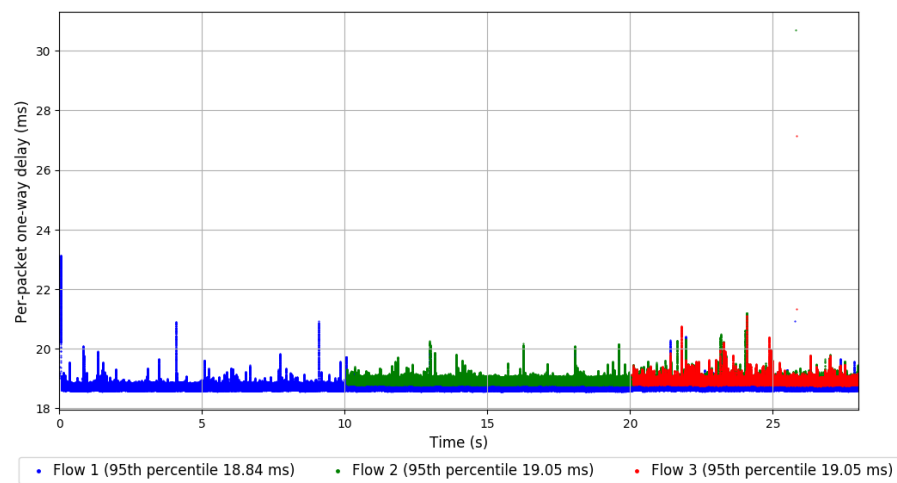
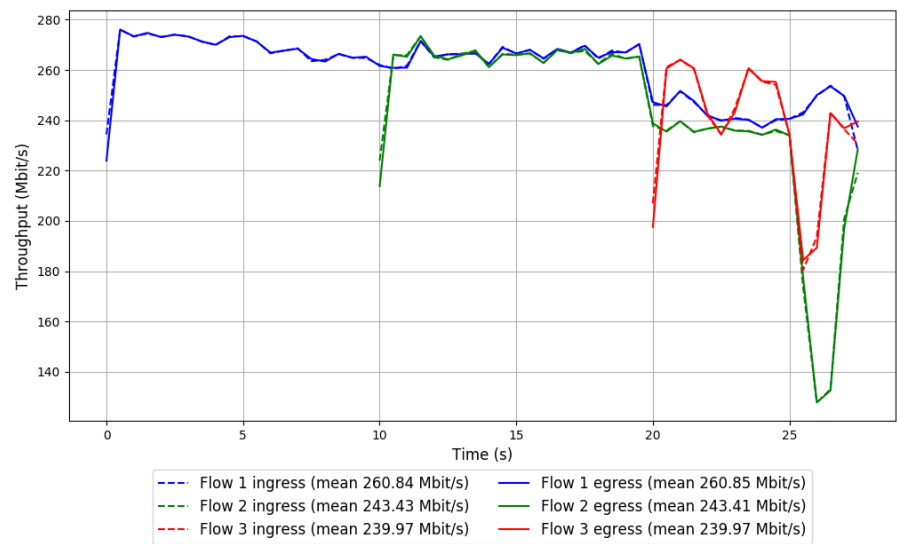


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-05 22:23:45
End at: 2017-12-05 22:24:15
Local clock offset: 1.261 ms
Remote clock offset: -1.05 ms

# Below is generated by plot.py at 2017-12-06 04:33:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 484.92 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 260.85 Mbit/s
95th percentile per-packet one-way delay: 18.835 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 243.41 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 239.97 Mbit/s
95th percentile per-packet one-way delay: 19.052 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2017-12-05 22:43:47

End at: 2017-12-05 22:44:17

Local clock offset: 1.288 ms

Remote clock offset: -1.12 ms

Below is generated by plot.py at 2017-12-06 04:33:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 481.83 Mbit/s

95th percentile per-packet one-way delay: 18.995 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 253.45 Mbit/s

95th percentile per-packet one-way delay: 17.419 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 246.13 Mbit/s

95th percentile per-packet one-way delay: 18.865 ms

Loss rate: 0.01%

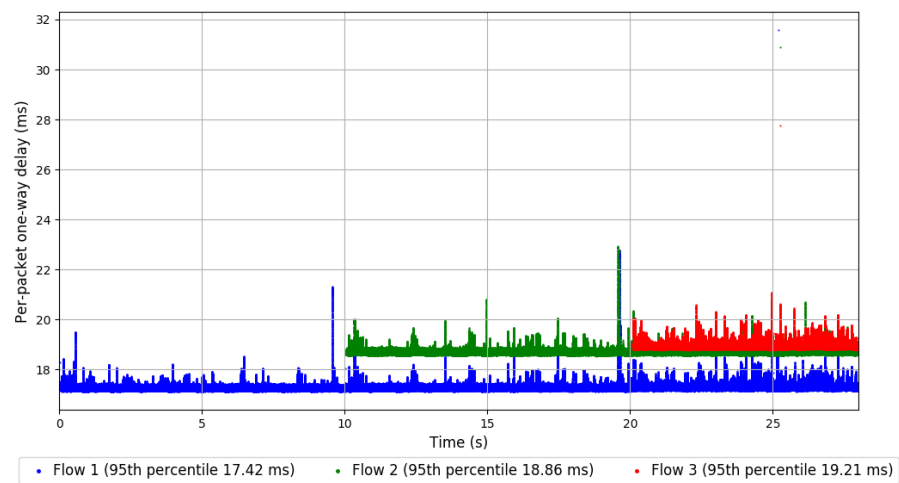
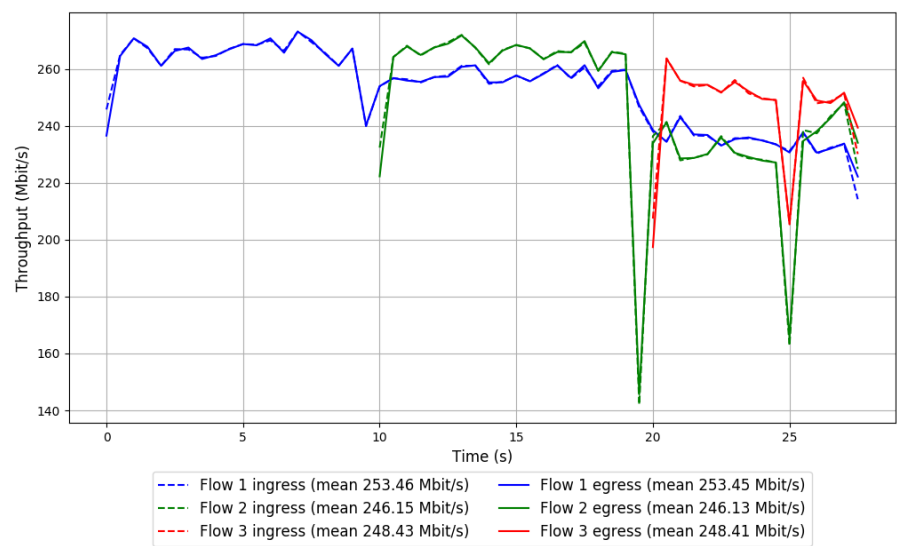
-- Flow 3:

Average throughput: 248.41 Mbit/s

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

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-12-05 23:03:52

End at: 2017-12-05 23:04:22

Local clock offset: 1.136 ms

Remote clock offset: -1.36 ms

Below is generated by plot.py at 2017-12-06 04:33:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 469.09 Mbit/s

95th percentile per-packet one-way delay: 19.454 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 251.90 Mbit/s

95th percentile per-packet one-way delay: 19.424 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 233.99 Mbit/s

95th percentile per-packet one-way delay: 19.702 ms

Loss rate: 0.05%

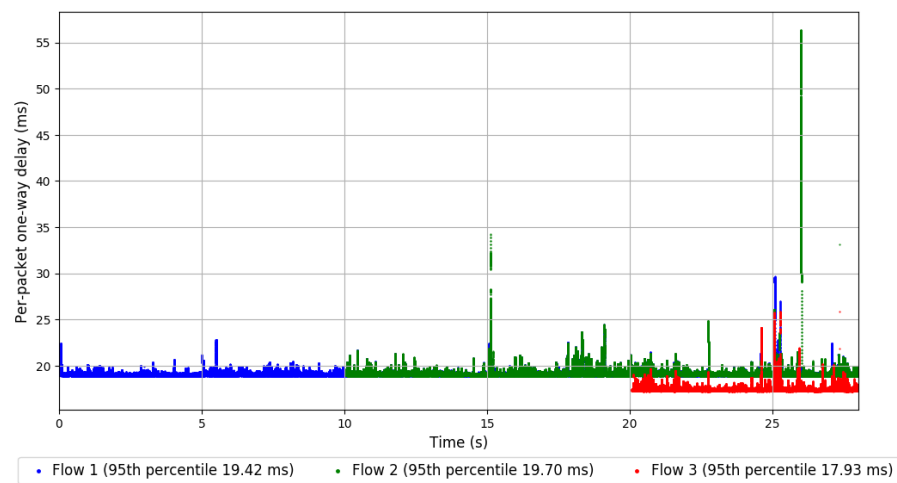
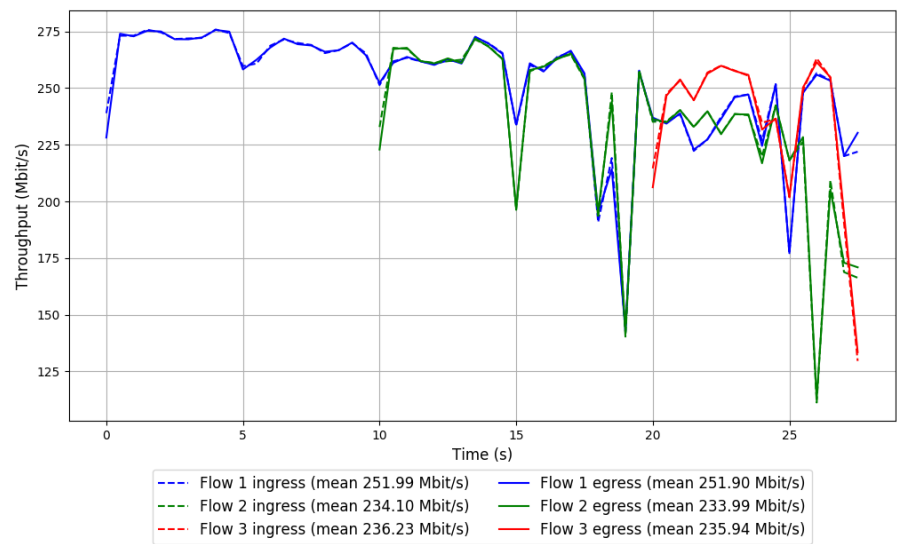
-- Flow 3:

Average throughput: 235.94 Mbit/s

95th percentile per-packet one-way delay: 17.934 ms

Loss rate: 0.12%

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

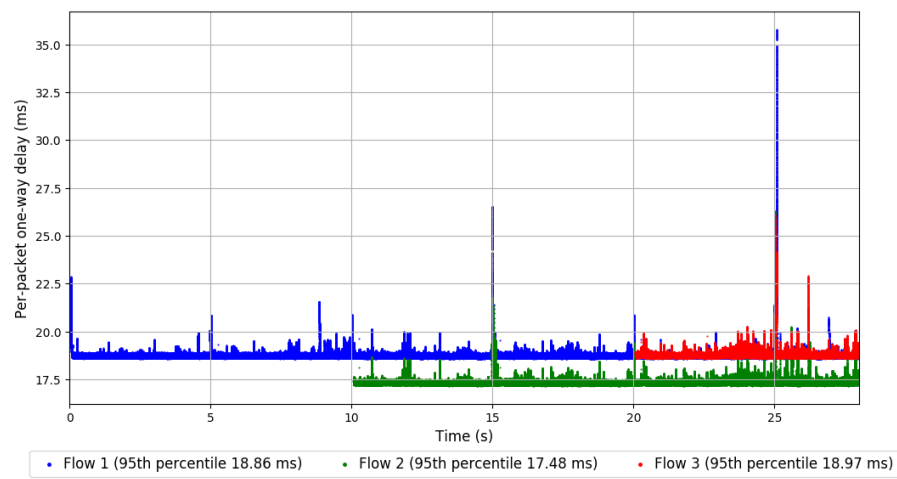
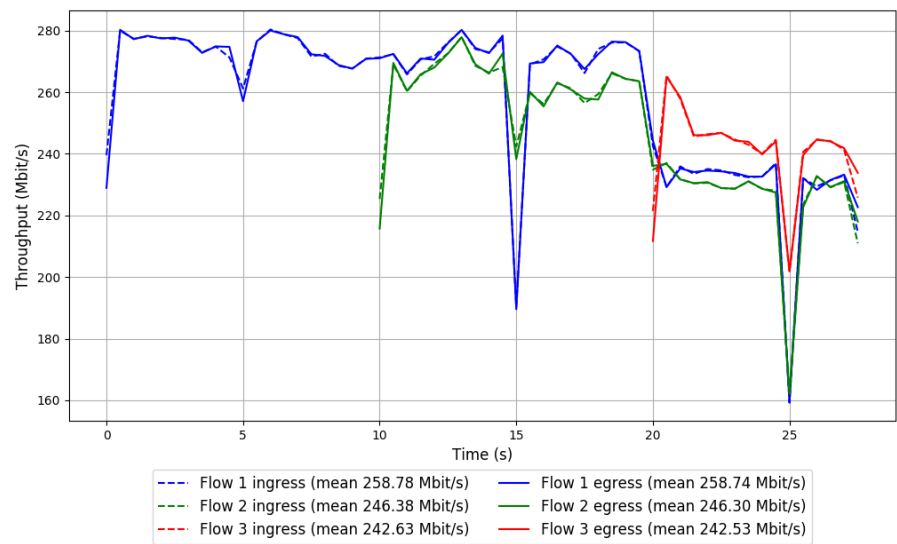


Run 4: Statistics of TaoVA-100x

Start at: 2017-12-05 23:23:52
End at: 2017-12-05 23:24:22
Local clock offset: 0.898 ms
Remote clock offset: -1.237 ms

Below is generated by plot.py at 2017-12-06 04:33:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.52 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 258.74 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 246.30 Mbit/s
95th percentile per-packet one-way delay: 17.481 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 242.53 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.04%

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

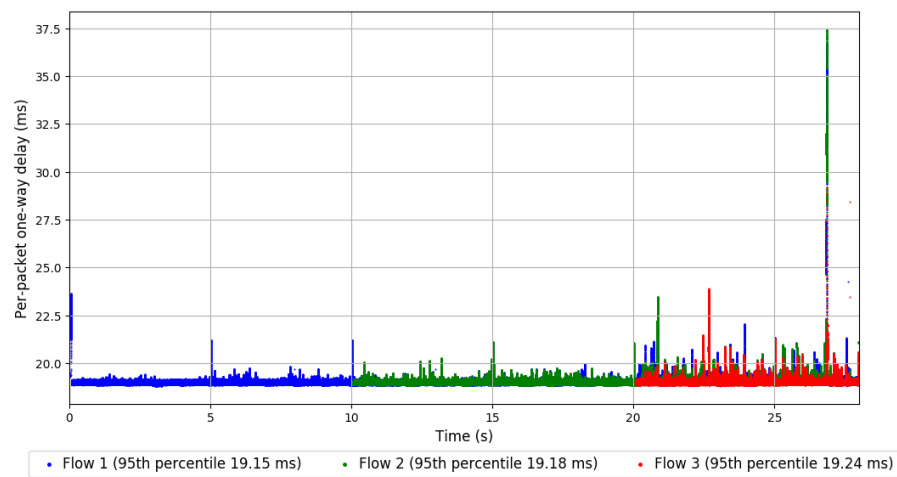
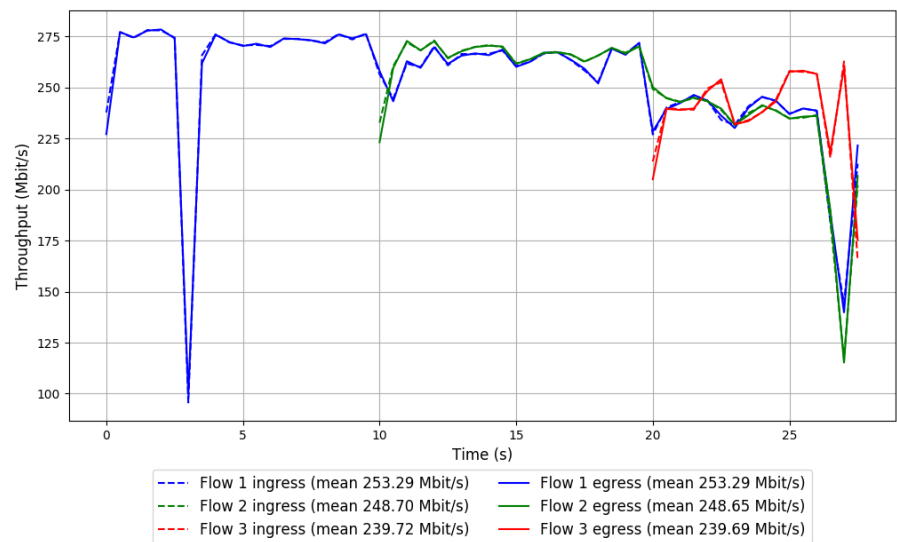


Run 5: Statistics of TaoVA-100x

Start at: 2017-12-05 23:44:06
End at: 2017-12-05 23:44:36
Local clock offset: 0.482 ms
Remote clock offset: -1.134 ms

Below is generated by plot.py at 2017-12-06 04:33:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 480.80 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 253.29 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 248.65 Mbit/s
95th percentile per-packet one-way delay: 19.181 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 239.69 Mbit/s
95th percentile per-packet one-way delay: 19.239 ms
Loss rate: 0.01%

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

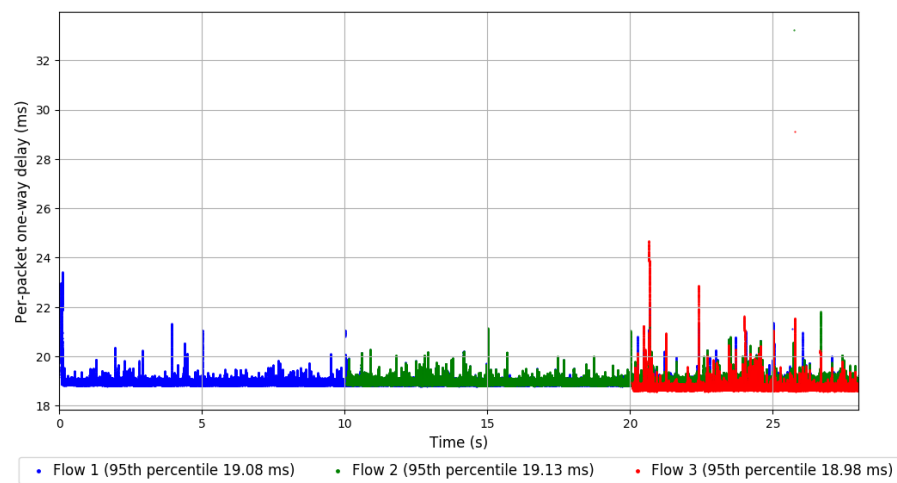
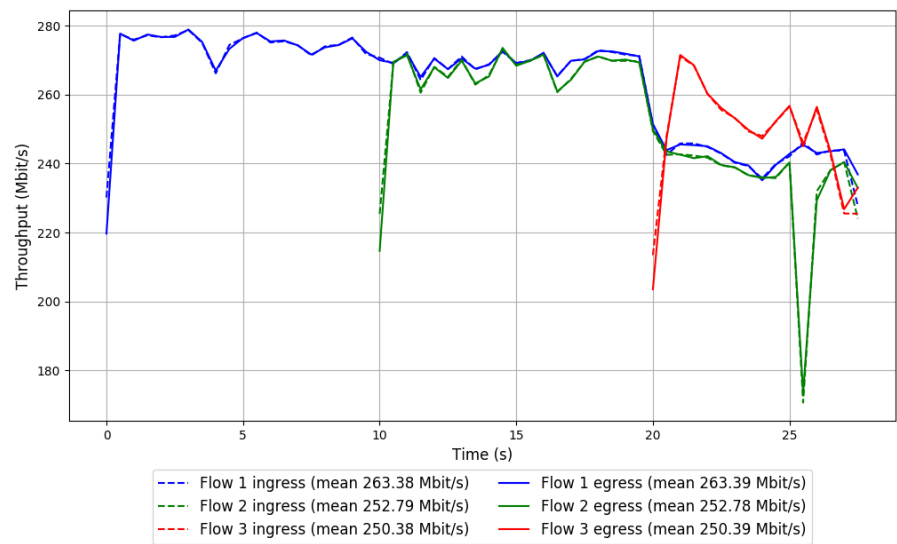


Run 6: Statistics of TaoVA-100x

Start at: 2017-12-06 00:04:25
End at: 2017-12-06 00:04:55
Local clock offset: 0.437 ms
Remote clock offset: -1.106 ms

Below is generated by plot.py at 2017-12-06 04:33:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.54 Mbit/s
95th percentile per-packet one-way delay: 19.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 263.39 Mbit/s
95th percentile per-packet one-way delay: 19.079 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 252.78 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 250.39 Mbit/s
95th percentile per-packet one-way delay: 18.978 ms
Loss rate: 0.00%

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

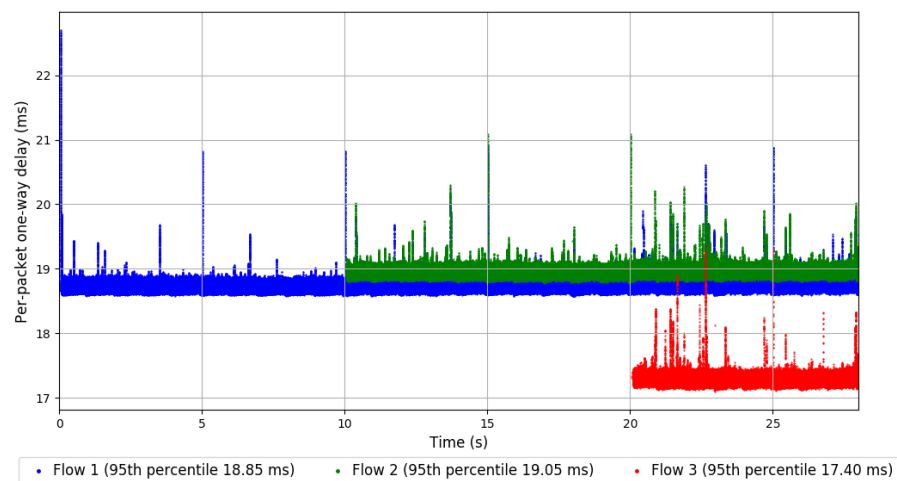
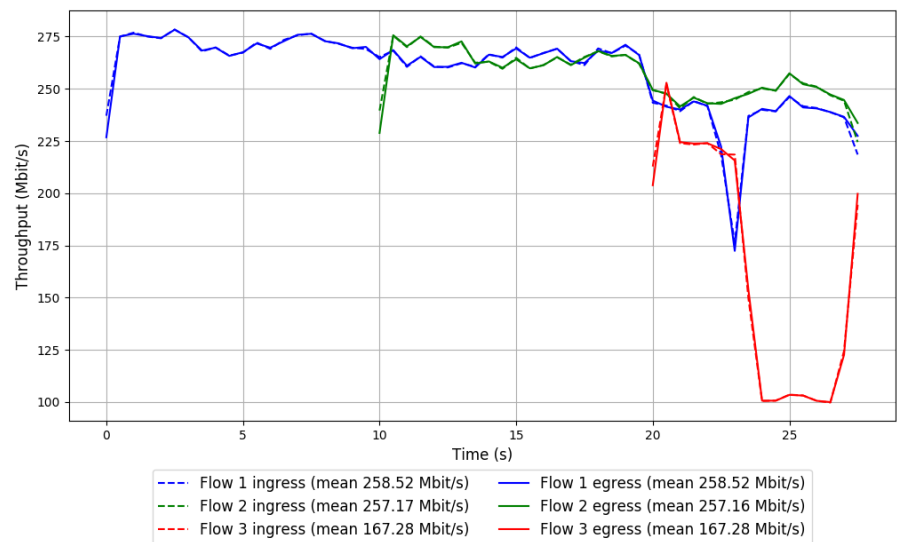


Run 7: Statistics of TaoVA-100x

Start at: 2017-12-06 00:24:41
End at: 2017-12-06 00:25:11
Local clock offset: 0.526 ms
Remote clock offset: -0.901 ms

Below is generated by plot.py at 2017-12-06 04:36:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.99 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.52 Mbit/s
95th percentile per-packet one-way delay: 18.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 257.16 Mbit/s
95th percentile per-packet one-way delay: 19.054 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.28 Mbit/s
95th percentile per-packet one-way delay: 17.404 ms
Loss rate: 0.00%

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

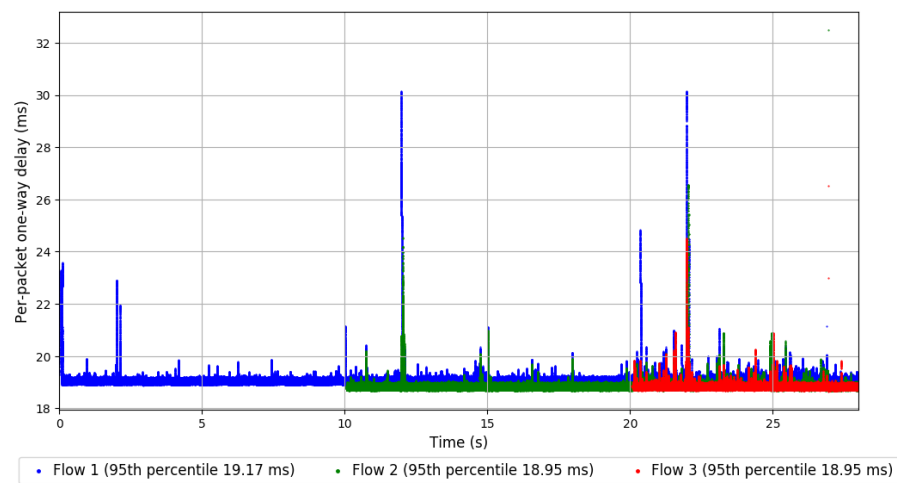
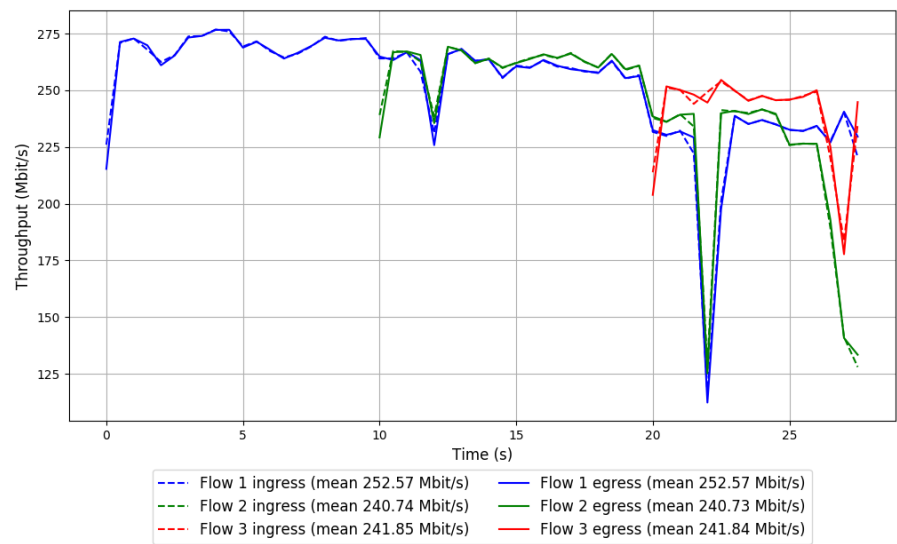


Run 8: Statistics of TaoVA-100x

Start at: 2017-12-06 00:44:50
End at: 2017-12-06 00:45:20
Local clock offset: 0.639 ms
Remote clock offset: -0.705 ms

Below is generated by plot.py at 2017-12-06 04:38:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 475.64 Mbit/s
95th percentile per-packet one-way delay: 19.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 252.57 Mbit/s
95th percentile per-packet one-way delay: 19.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 240.73 Mbit/s
95th percentile per-packet one-way delay: 18.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 241.84 Mbit/s
95th percentile per-packet one-way delay: 18.950 ms
Loss rate: 0.00%

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

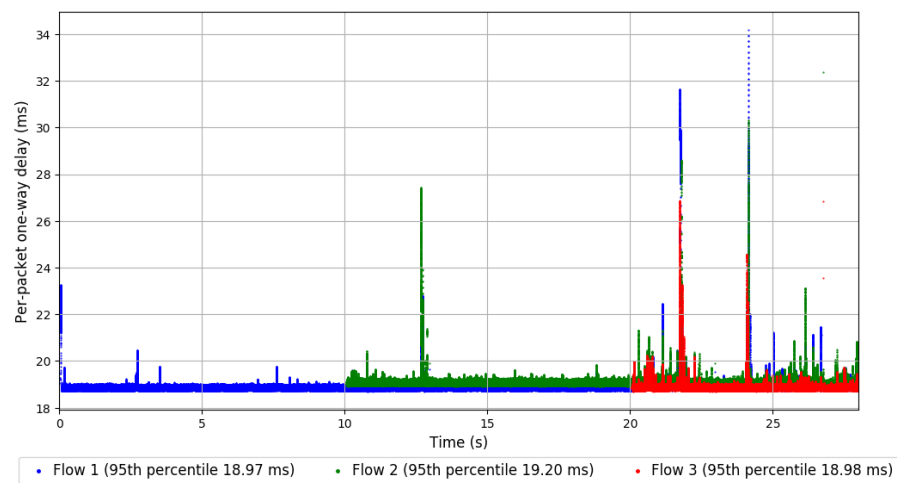
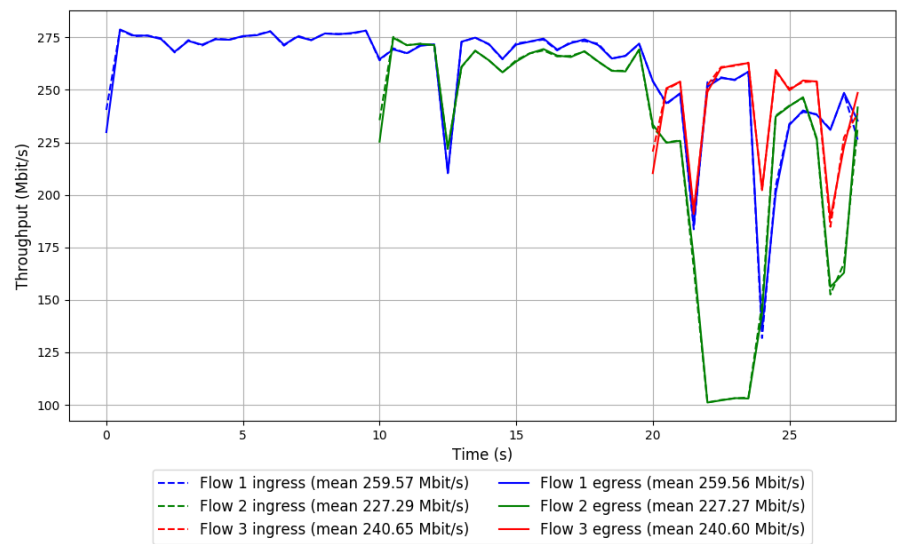


Run 9: Statistics of TaoVA-100x

Start at: 2017-12-06 01:04:59
End at: 2017-12-06 01:05:29
Local clock offset: 0.923 ms
Remote clock offset: -0.689 ms

Below is generated by plot.py at 2017-12-06 04:45:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 473.81 Mbit/s
95th percentile per-packet one-way delay: 19.146 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 259.56 Mbit/s
95th percentile per-packet one-way delay: 18.967 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 227.27 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 240.60 Mbit/s
95th percentile per-packet one-way delay: 18.981 ms
Loss rate: 0.02%

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

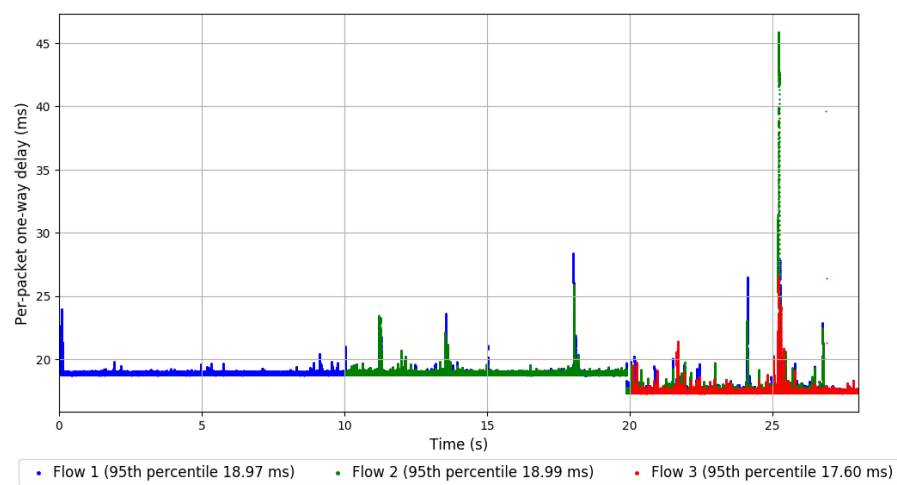
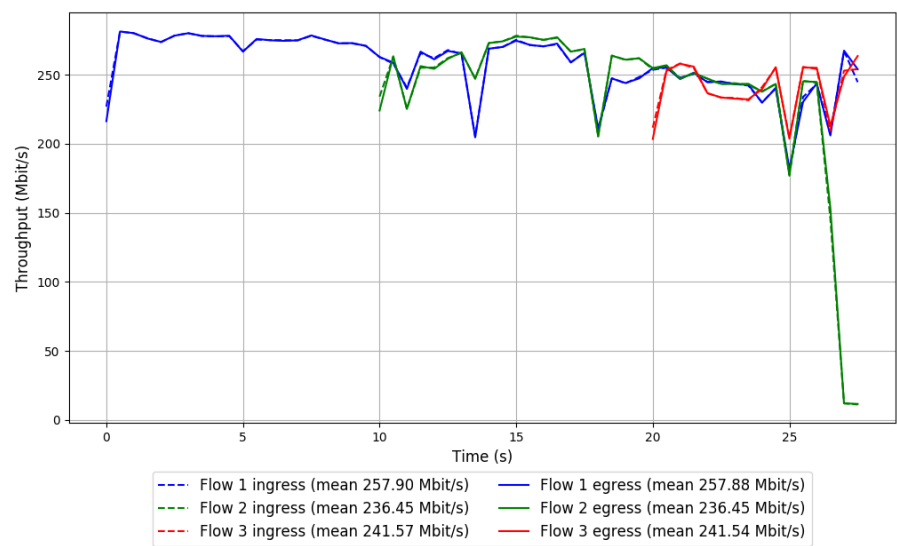


Run 10: Statistics of TaoVA-100x

Start at: 2017-12-06 01:25:10
End at: 2017-12-06 01:25:40
Local clock offset: 1.143 ms
Remote clock offset: -0.528 ms

Below is generated by plot.py at 2017-12-06 04:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 478.32 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 257.88 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 236.45 Mbit/s
95th percentile per-packet one-way delay: 18.993 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 241.54 Mbit/s
95th percentile per-packet one-way delay: 17.603 ms
Loss rate: 0.01%

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



Run 1: Statistics of TCP Vegas

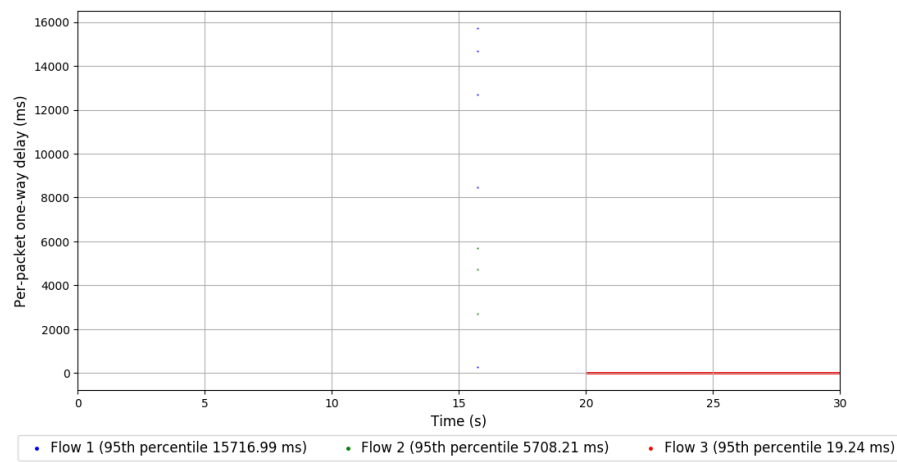
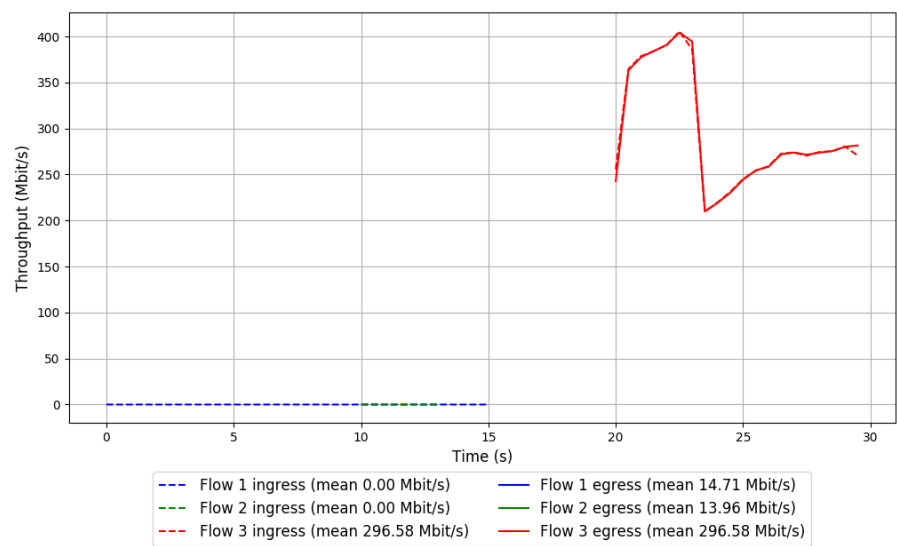
Start at: 2017-12-05 22:33:03

End at: 2017-12-05 22:33:33

Local clock offset: 1.284 ms

Remote clock offset: -0.809 ms

Run 1: Report of TCP Vegas — Data Link

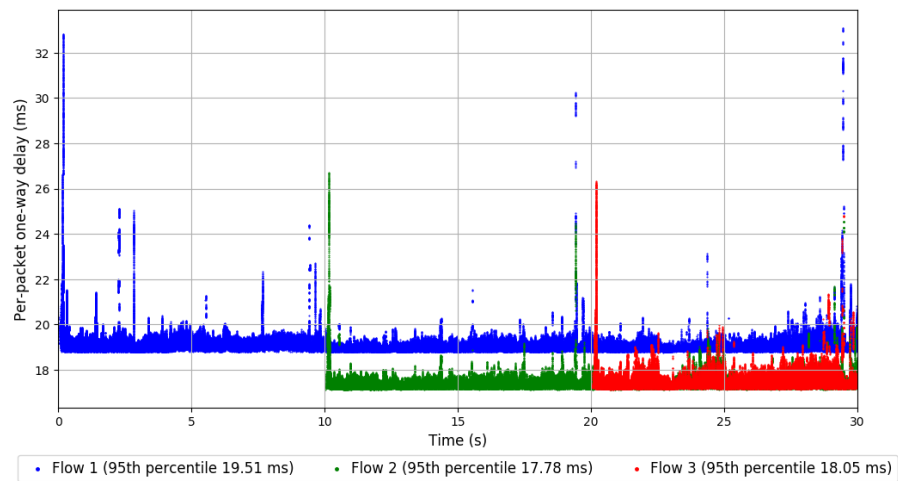
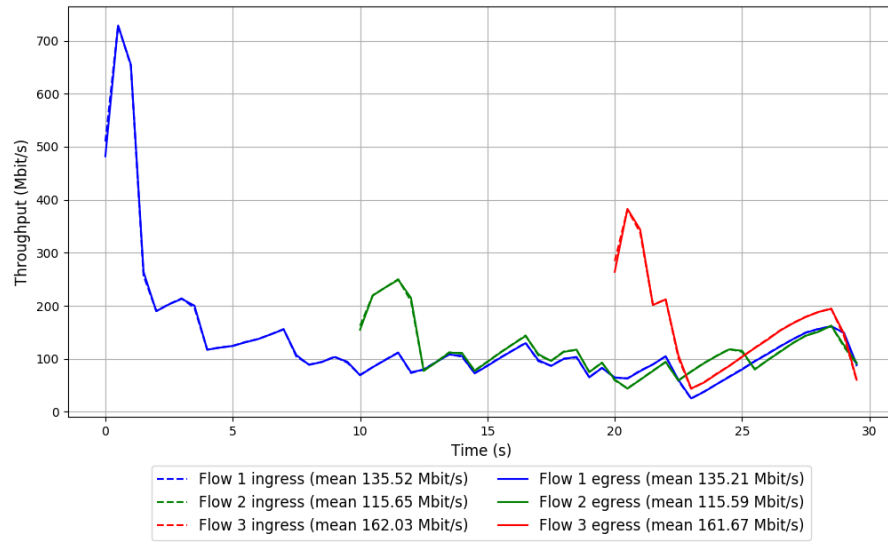


Run 2: Statistics of TCP Vegas

Start at: 2017-12-05 22:53:09
End at: 2017-12-05 22:53:39
Local clock offset: 1.229 ms
Remote clock offset: -1.325 ms

Below is generated by plot.py at 2017-12-06 04:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.83 Mbit/s
95th percentile per-packet one-way delay: 19.375 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 135.21 Mbit/s
95th percentile per-packet one-way delay: 19.507 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 115.59 Mbit/s
95th percentile per-packet one-way delay: 17.784 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 161.67 Mbit/s
95th percentile per-packet one-way delay: 18.051 ms
Loss rate: 0.22%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

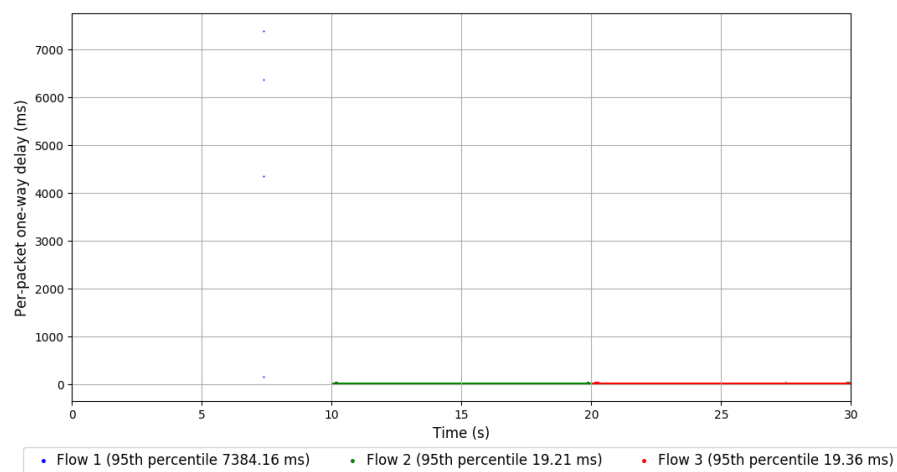
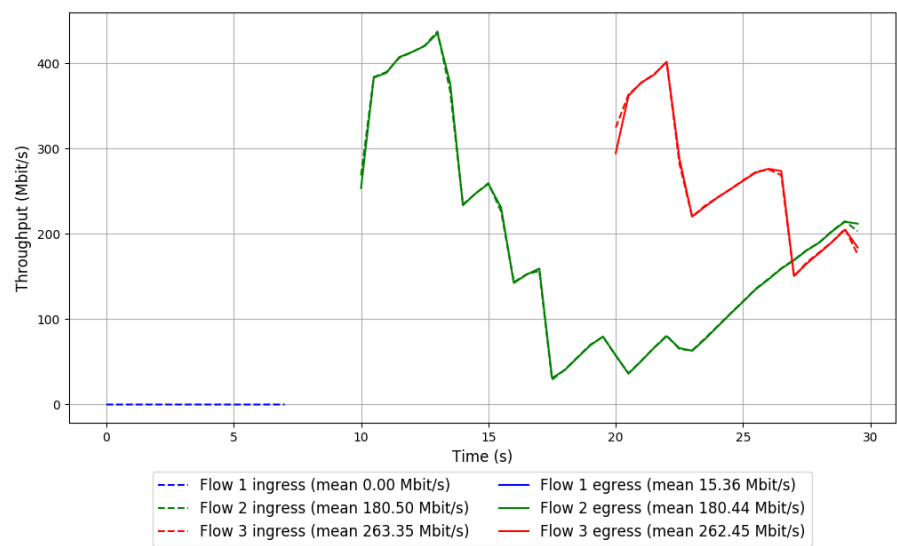
Start at: 2017-12-05 23:13:09

End at: 2017-12-05 23:13:39

Local clock offset: 0.958 ms

Remote clock offset: -1.403 ms

Run 3: Report of TCP Vegas — Data Link

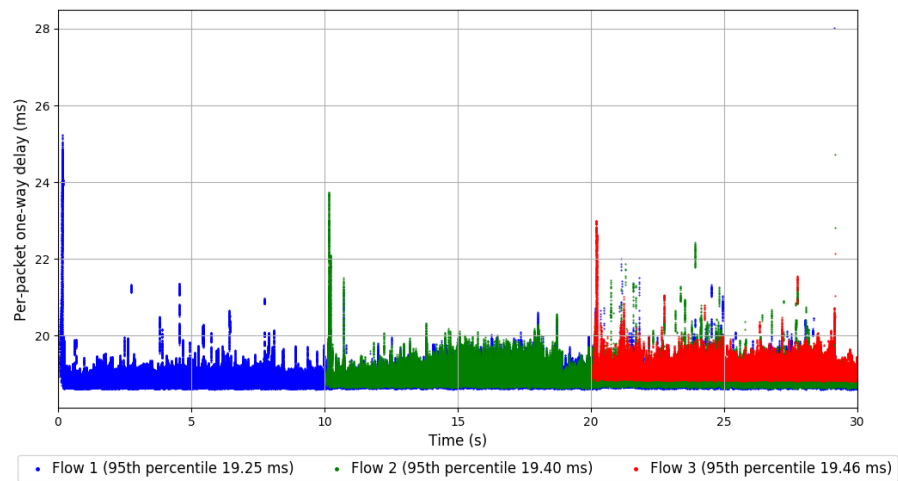
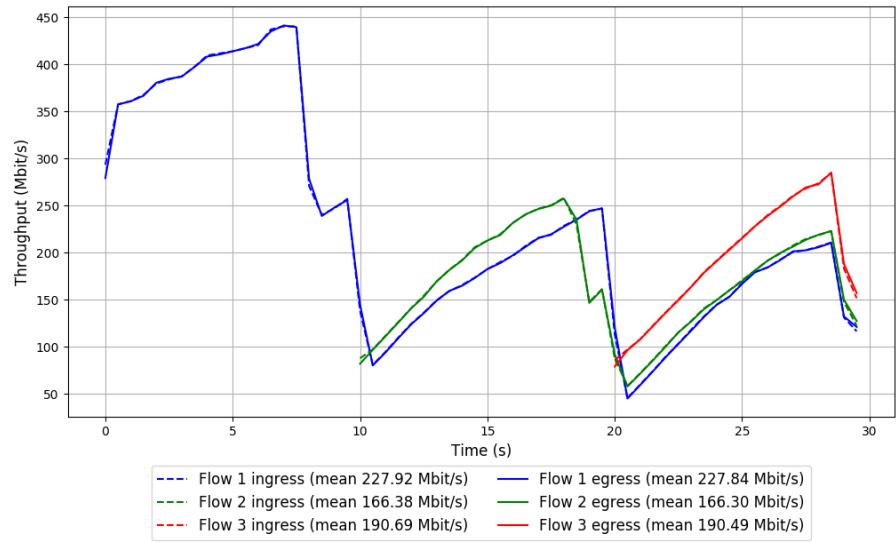


Run 4: Statistics of TCP Vegas

Start at: 2017-12-05 23:33:09
End at: 2017-12-05 23:33:39
Local clock offset: 0.722 ms
Remote clock offset: -1.126 ms

Below is generated by plot.py at 2017-12-06 04:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.85 Mbit/s
95th percentile per-packet one-way delay: 19.360 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 227.84 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 166.30 Mbit/s
95th percentile per-packet one-way delay: 19.403 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 190.49 Mbit/s
95th percentile per-packet one-way delay: 19.465 ms
Loss rate: 0.10%

Run 4: Report of TCP Vegas — Data Link

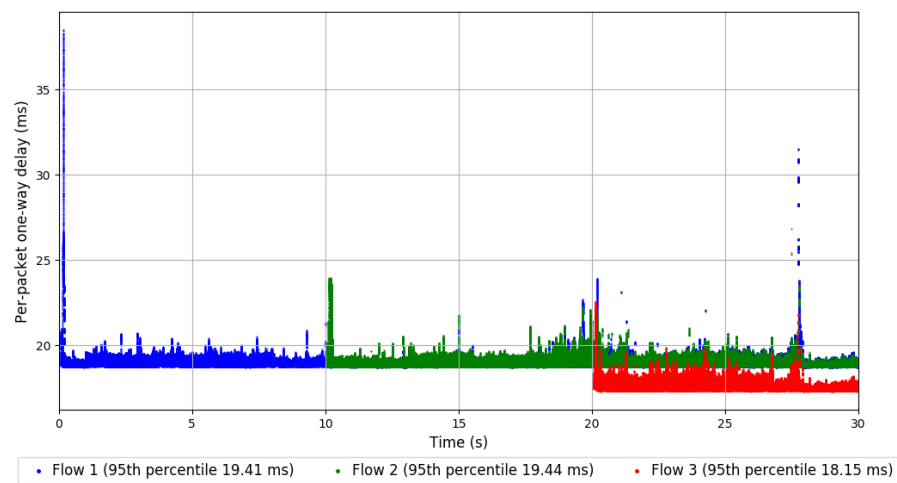
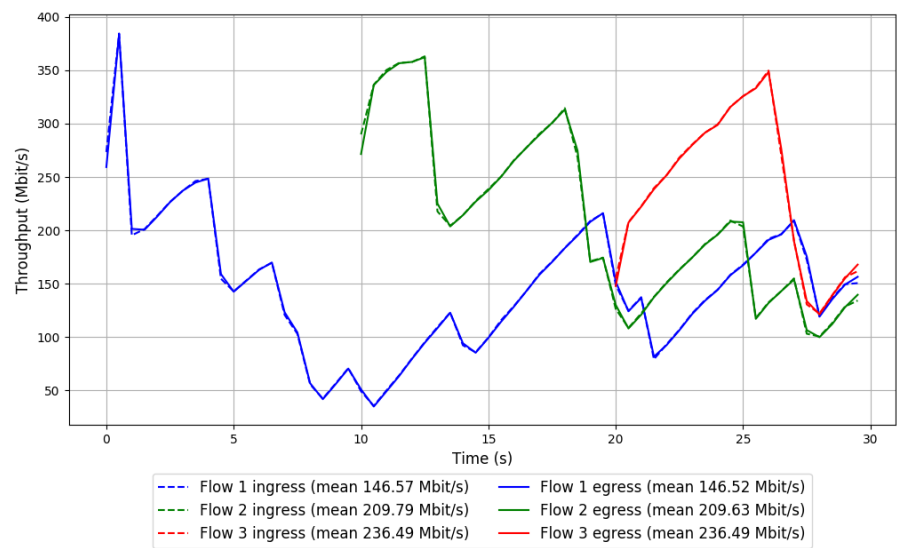


Run 5: Statistics of TCP Vegas

Start at: 2017-12-05 23:53:34
End at: 2017-12-05 23:54:04
Local clock offset: 0.369 ms
Remote clock offset: -1.048 ms

Below is generated by plot.py at 2017-12-06 04:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.73 Mbit/s
95th percentile per-packet one-way delay: 19.370 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 146.52 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 209.63 Mbit/s
95th percentile per-packet one-way delay: 19.442 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 236.49 Mbit/s
95th percentile per-packet one-way delay: 18.153 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

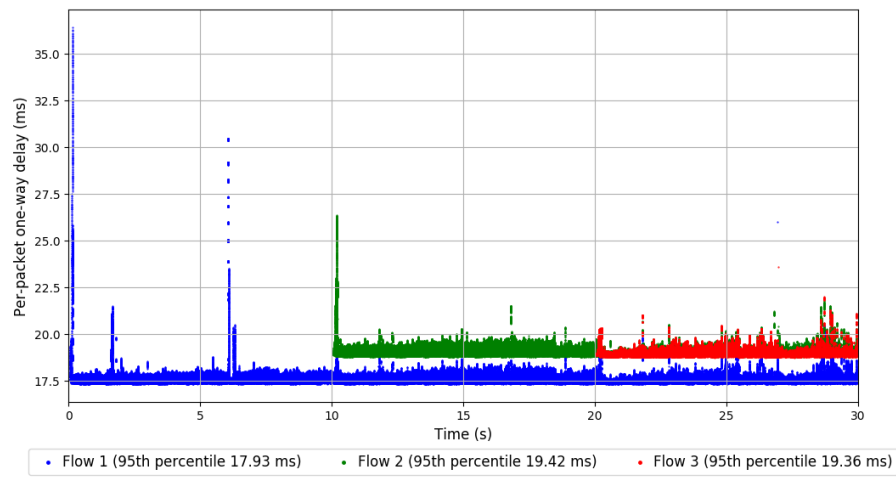
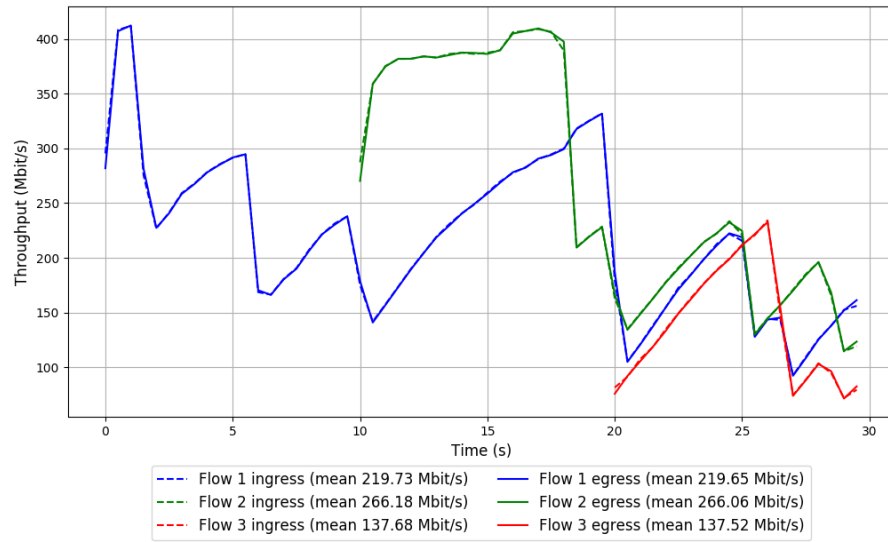


Run 6: Statistics of TCP Vegas

Start at: 2017-12-06 00:13:52
End at: 2017-12-06 00:14:22
Local clock offset: 0.377 ms
Remote clock offset: -0.898 ms

Below is generated by plot.py at 2017-12-06 04:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 442.42 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 219.65 Mbit/s
95th percentile per-packet one-way delay: 17.935 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 266.06 Mbit/s
95th percentile per-packet one-way delay: 19.420 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 137.52 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.11%

Run 6: Report of TCP Vegas — Data Link

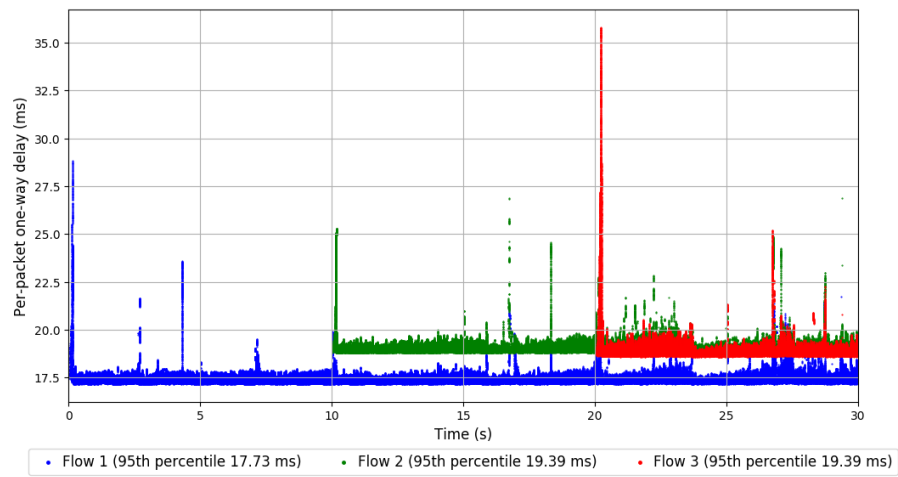
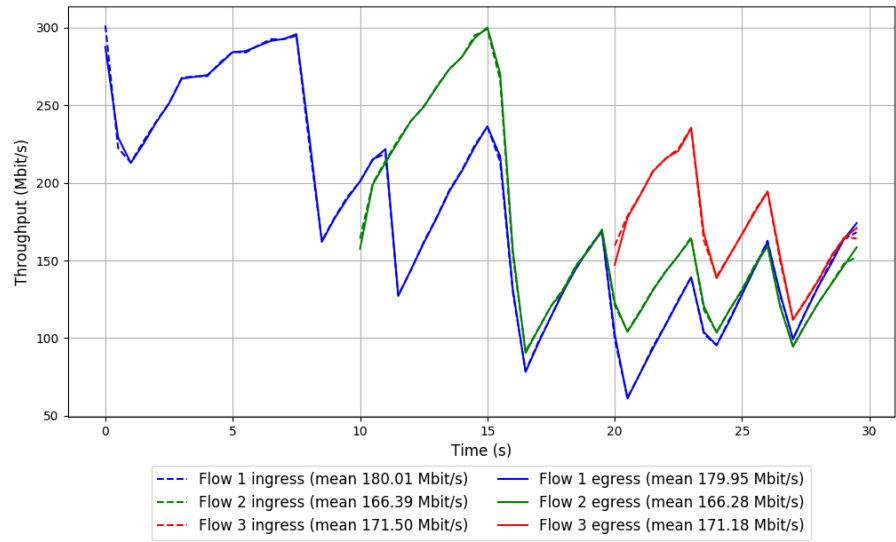


Run 7: Statistics of TCP Vegas

Start at: 2017-12-06 00:33:57
End at: 2017-12-06 00:34:27
Local clock offset: 0.592 ms
Remote clock offset: -0.808 ms

Below is generated by plot.py at 2017-12-06 04:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.57 Mbit/s
95th percentile per-packet one-way delay: 19.264 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 179.95 Mbit/s
95th percentile per-packet one-way delay: 17.726 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 166.28 Mbit/s
95th percentile per-packet one-way delay: 19.392 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 171.18 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.18%

Run 7: Report of TCP Vegas — Data Link

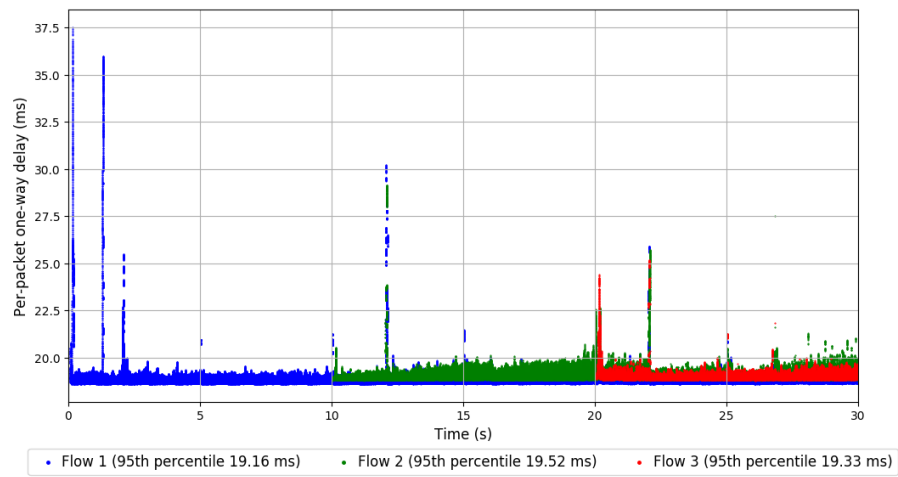
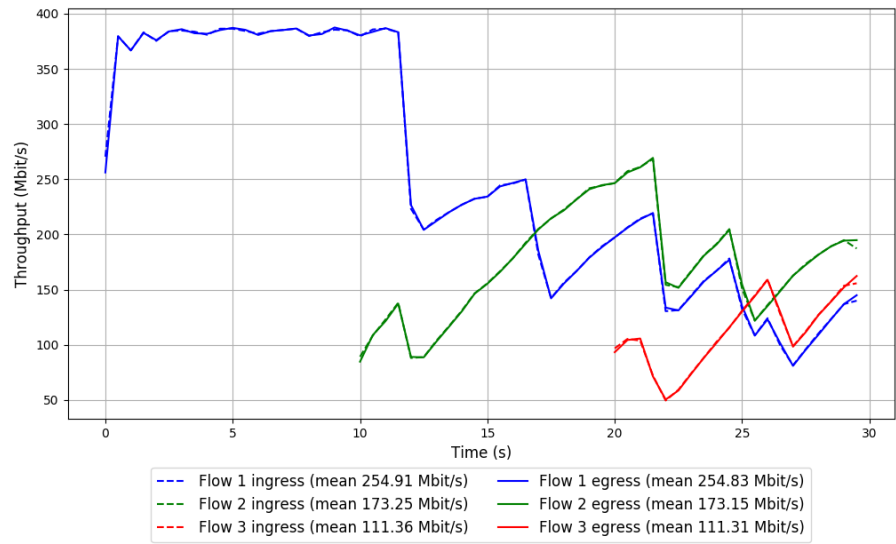


Run 8: Statistics of TCP Vegas

Start at: 2017-12-06 00:54:02
End at: 2017-12-06 00:54:32
Local clock offset: 0.844 ms
Remote clock offset: -0.723 ms

Below is generated by plot.py at 2017-12-06 04:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.10 Mbit/s
95th percentile per-packet one-way delay: 19.362 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 254.83 Mbit/s
95th percentile per-packet one-way delay: 19.158 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 173.15 Mbit/s
95th percentile per-packet one-way delay: 19.516 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 111.31 Mbit/s
95th percentile per-packet one-way delay: 19.327 ms
Loss rate: 0.04%

Run 8: Report of TCP Vegas — Data Link

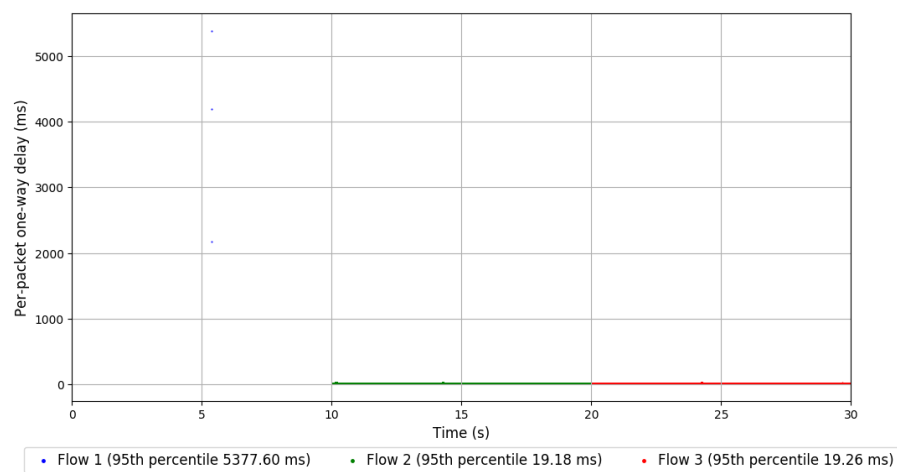
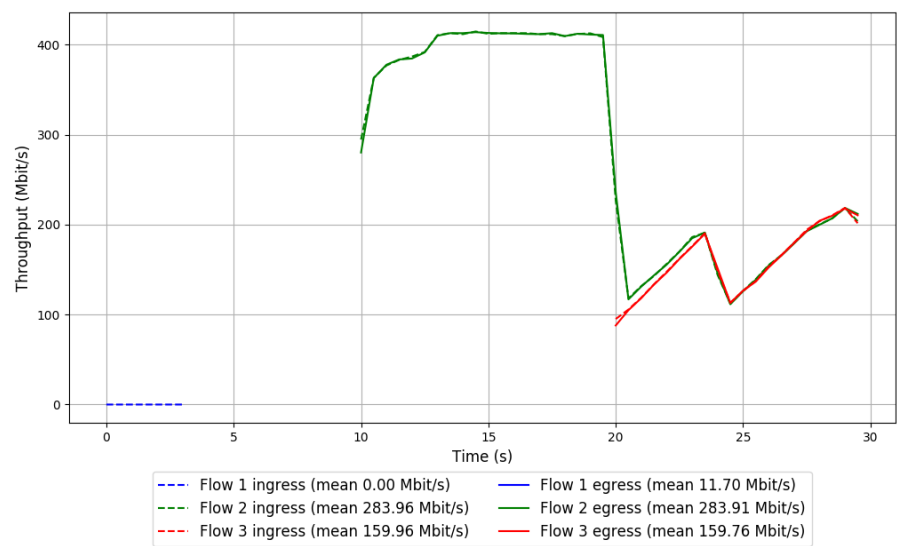


Run 9: Statistics of TCP Vegas

Start at: 2017-12-06 01:14:20
End at: 2017-12-06 01:14:50
Local clock offset: 1.097 ms
Remote clock offset: -0.568 ms

Below is generated by plot.py at 2017-12-06 04:45:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.84 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 11.70 Mbit/s
95th percentile per-packet one-way delay: 5377.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 283.91 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 159.76 Mbit/s
95th percentile per-packet one-way delay: 19.256 ms
Loss rate: 0.13%

Run 9: Report of TCP Vegas — Data Link

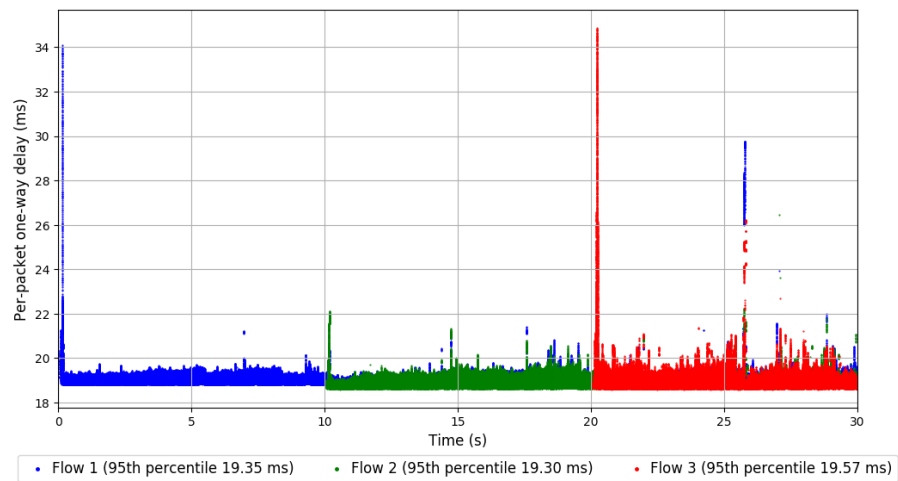
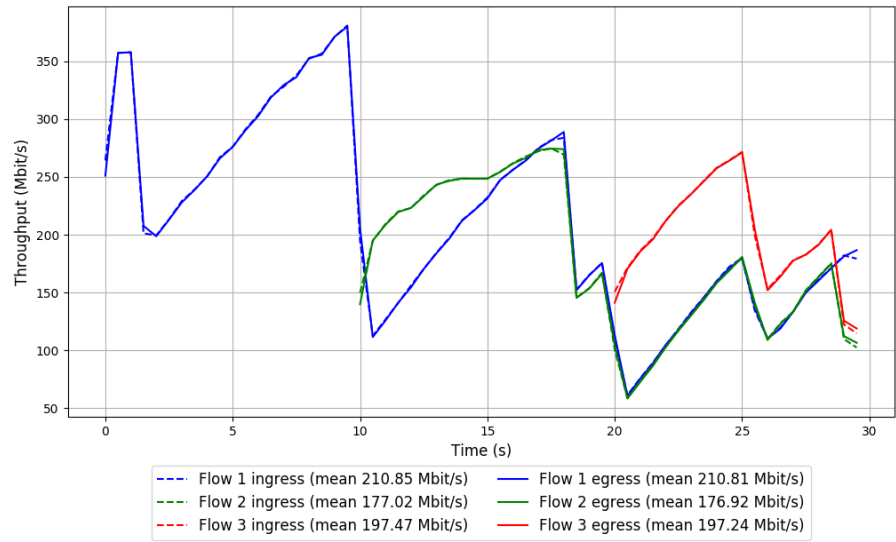


Run 10: Statistics of TCP Vegas

Start at: 2017-12-06 01:34:27
End at: 2017-12-06 01:34:57
Local clock offset: 1.274 ms
Remote clock offset: -0.916 ms

Below is generated by plot.py at 2017-12-06 04:45:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.10 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 210.81 Mbit/s
95th percentile per-packet one-way delay: 19.346 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 176.92 Mbit/s
95th percentile per-packet one-way delay: 19.301 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 197.24 Mbit/s
95th percentile per-packet one-way delay: 19.575 ms
Loss rate: 0.11%

Run 10: Report of TCP Vegas — Data Link

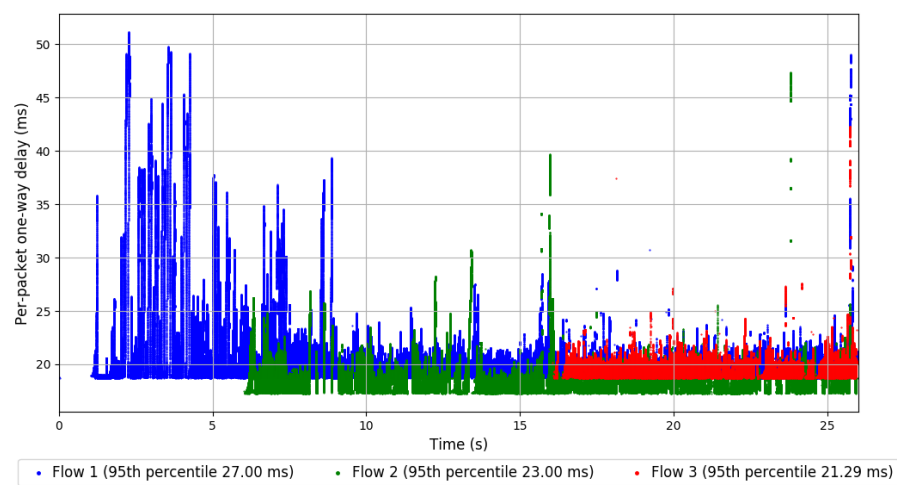
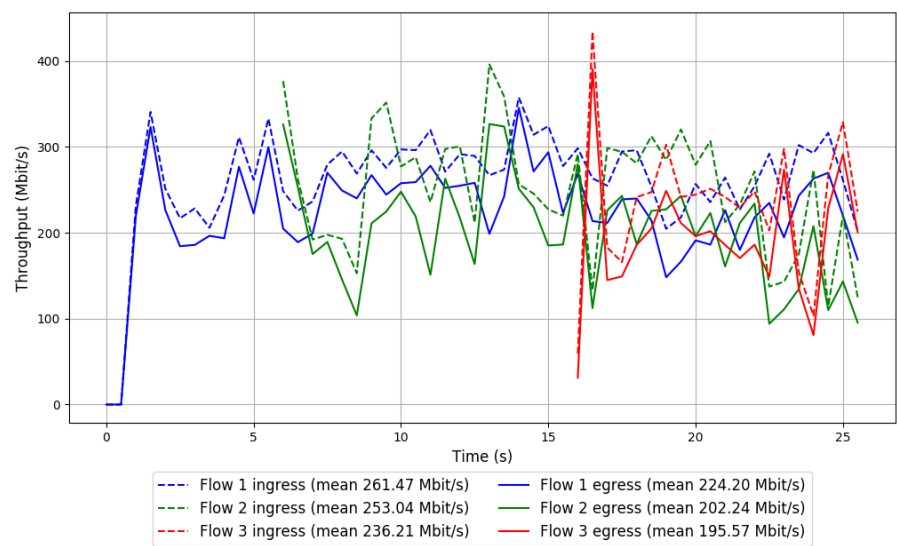


Run 1: Statistics of Verus

Start at: 2017-12-05 22:31:29
End at: 2017-12-05 22:31:59
Local clock offset: 1.181 ms
Remote clock offset: -0.937 ms

Below is generated by plot.py at 2017-12-06 04:46:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 454.14 Mbit/s
95th percentile per-packet one-way delay: 24.165 ms
Loss rate: 16.81%
-- Flow 1:
Average throughput: 224.20 Mbit/s
95th percentile per-packet one-way delay: 27.005 ms
Loss rate: 14.25%
-- Flow 2:
Average throughput: 202.24 Mbit/s
95th percentile per-packet one-way delay: 23.004 ms
Loss rate: 20.07%
-- Flow 3:
Average throughput: 195.57 Mbit/s
95th percentile per-packet one-way delay: 21.293 ms
Loss rate: 17.18%

Run 1: Report of Verus — Data Link

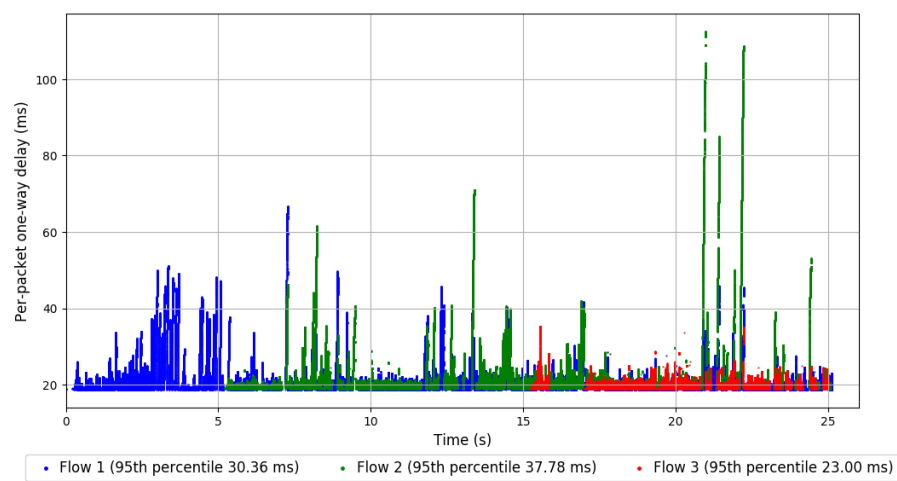
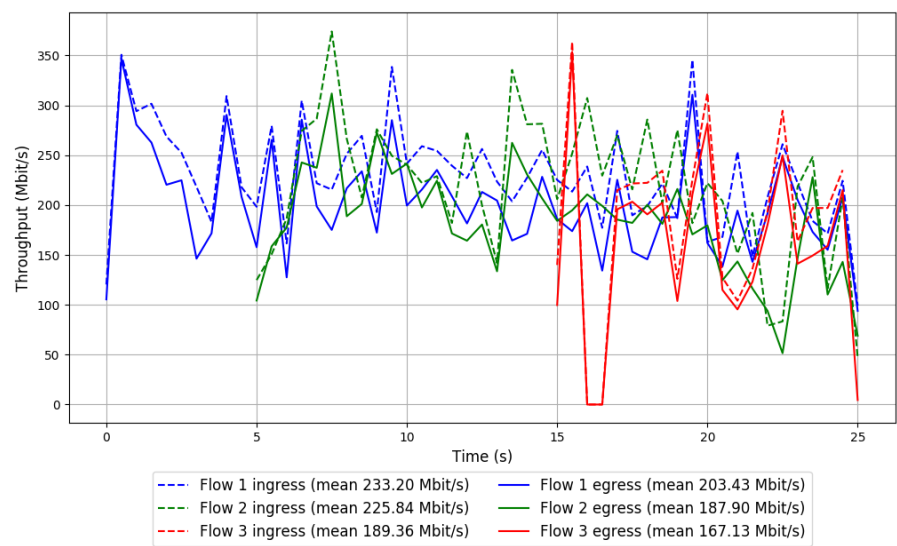


Run 2: Statistics of Verus

Start at: 2017-12-05 22:51:39
End at: 2017-12-05 22:52:09
Local clock offset: 1.145 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2017-12-06 04:47:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 417.34 Mbit/s
95th percentile per-packet one-way delay: 31.629 ms
Loss rate: 14.09%
-- Flow 1:
Average throughput: 203.43 Mbit/s
95th percentile per-packet one-way delay: 30.357 ms
Loss rate: 12.77%
-- Flow 2:
Average throughput: 187.90 Mbit/s
95th percentile per-packet one-way delay: 37.780 ms
Loss rate: 16.79%
-- Flow 3:
Average throughput: 167.13 Mbit/s
95th percentile per-packet one-way delay: 23.005 ms
Loss rate: 11.73%

Run 2: Report of Verus — Data Link

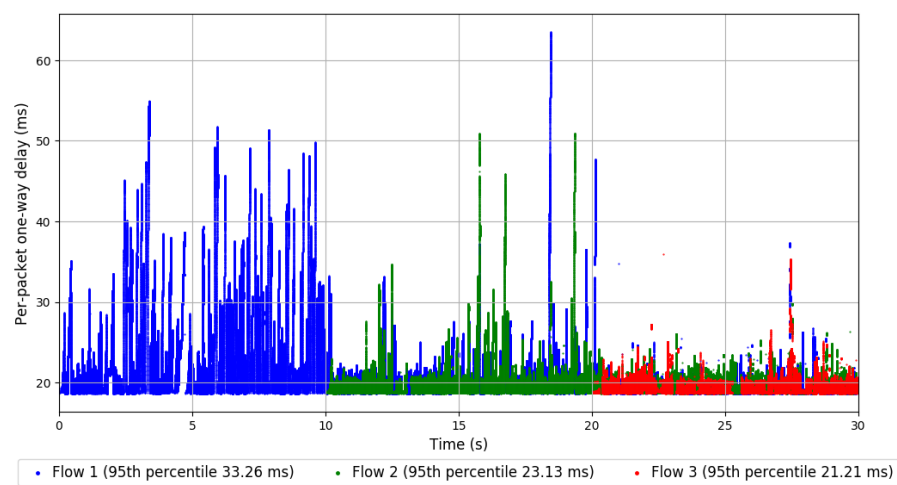
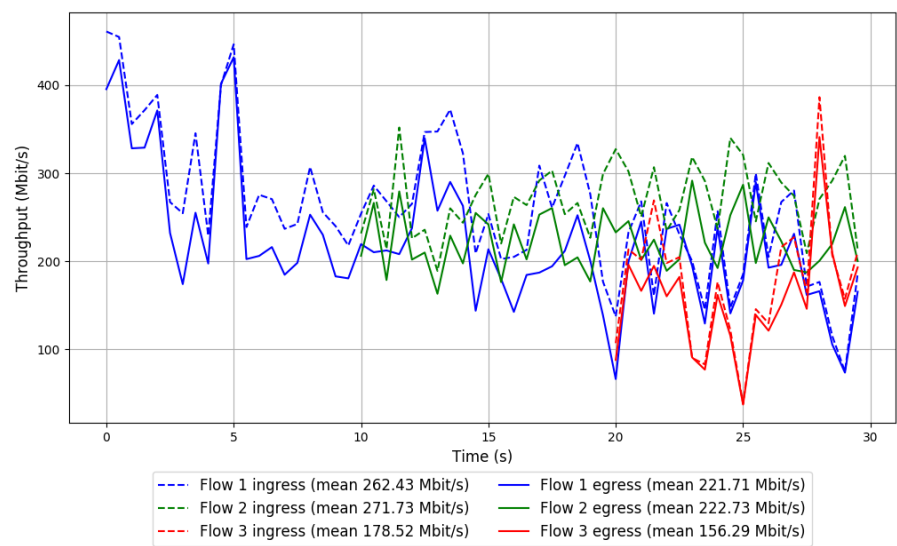


Run 3: Statistics of Verus

Start at: 2017-12-05 23:11:34
End at: 2017-12-05 23:12:04
Local clock offset: 0.97 ms
Remote clock offset: -1.409 ms

Below is generated by plot.py at 2017-12-06 04:48:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 421.66 Mbit/s
95th percentile per-packet one-way delay: 29.110 ms
Loss rate: 16.06%
-- Flow 1:
Average throughput: 221.71 Mbit/s
95th percentile per-packet one-way delay: 33.255 ms
Loss rate: 15.52%
-- Flow 2:
Average throughput: 222.73 Mbit/s
95th percentile per-packet one-way delay: 23.130 ms
Loss rate: 18.03%
-- Flow 3:
Average throughput: 156.29 Mbit/s
95th percentile per-packet one-way delay: 21.211 ms
Loss rate: 12.45%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

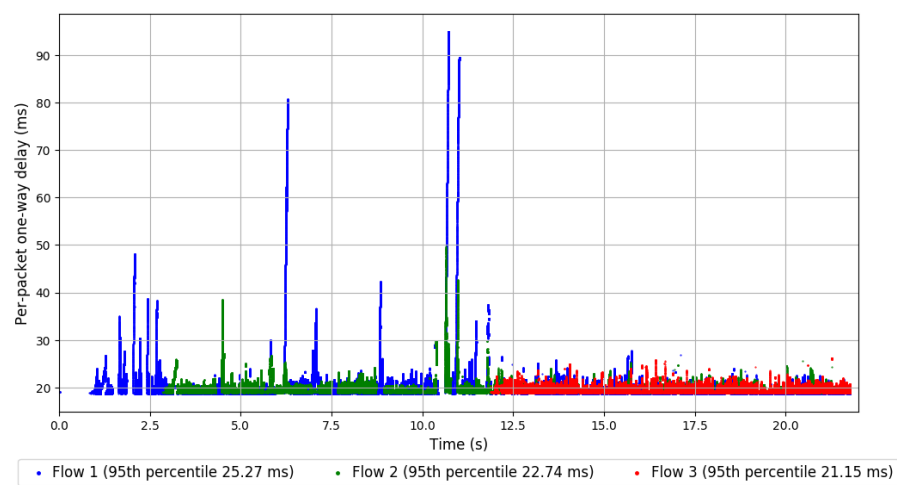
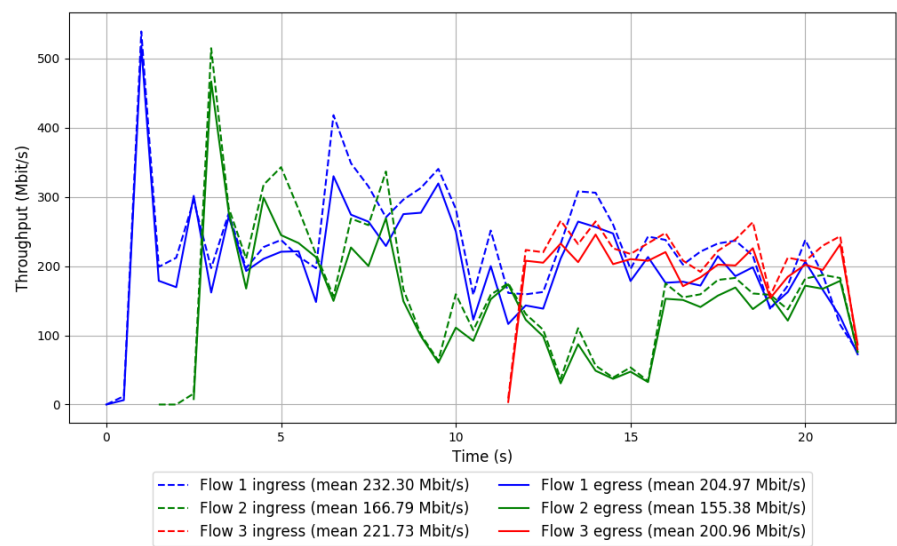
Start at: 2017-12-05 23:31:40

End at: 2017-12-05 23:32:10

Local clock offset: 0.649 ms

Remote clock offset: -1.173 ms

Run 4: Report of Verus — Data Link

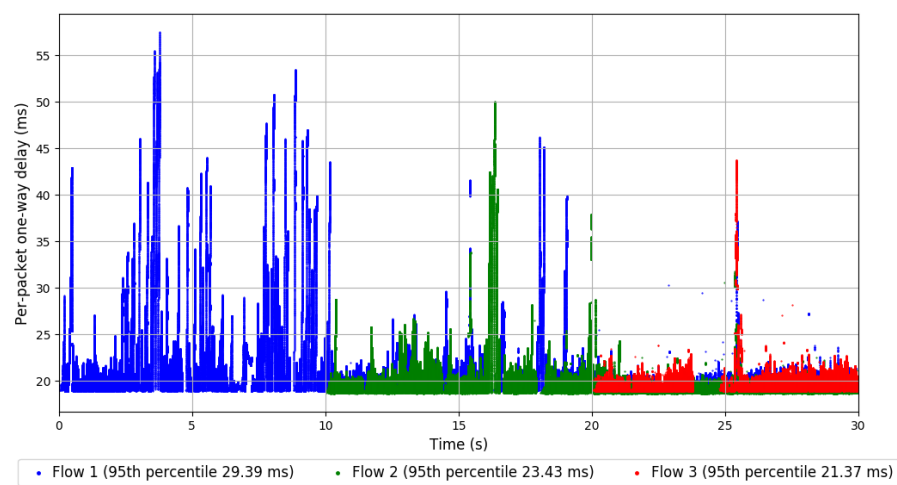
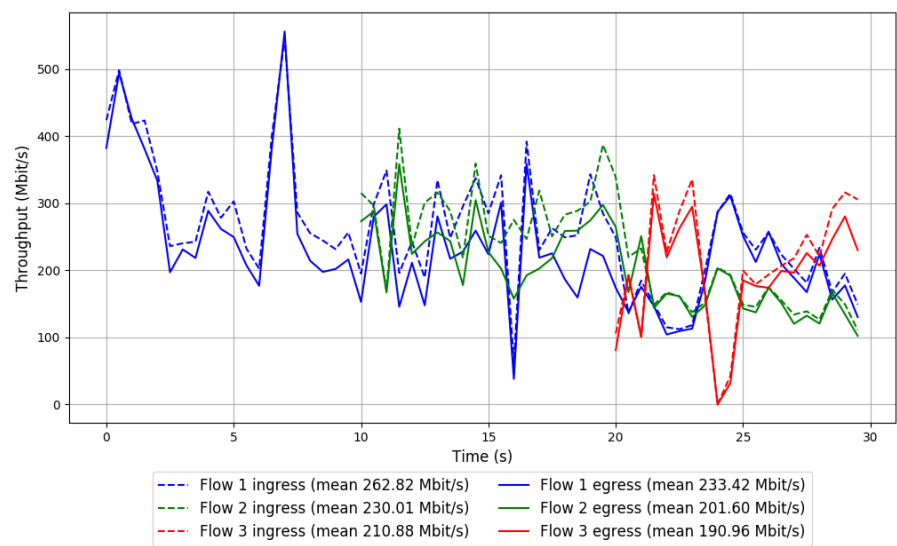


Run 5: Statistics of Verus

Start at: 2017-12-05 23:51:58
End at: 2017-12-05 23:52:28
Local clock offset: 0.387 ms
Remote clock offset: -1.099 ms

Below is generated by plot.py at 2017-12-06 04:49:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.85 Mbit/s
95th percentile per-packet one-way delay: 25.790 ms
Loss rate: 11.30%
-- Flow 1:
Average throughput: 233.42 Mbit/s
95th percentile per-packet one-way delay: 29.393 ms
Loss rate: 11.18%
-- Flow 2:
Average throughput: 201.60 Mbit/s
95th percentile per-packet one-way delay: 23.426 ms
Loss rate: 12.34%
-- Flow 3:
Average throughput: 190.96 Mbit/s
95th percentile per-packet one-way delay: 21.369 ms
Loss rate: 9.44%

Run 5: Report of Verus — Data Link

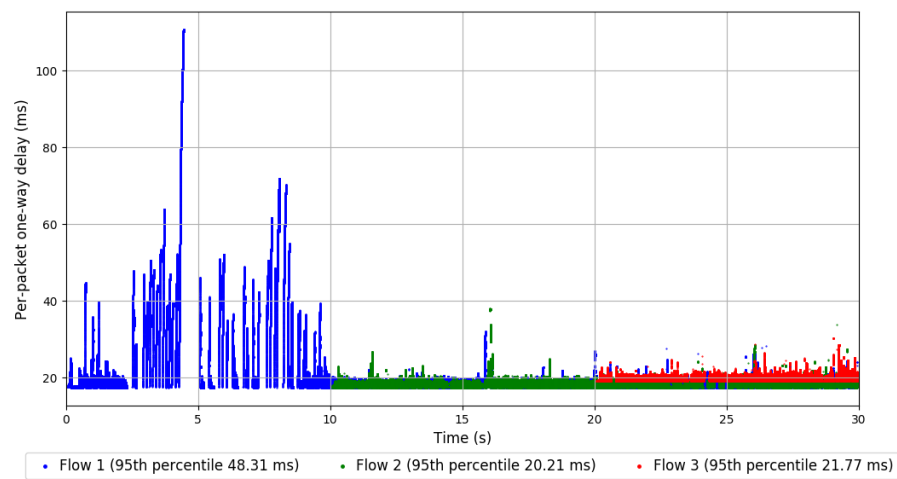
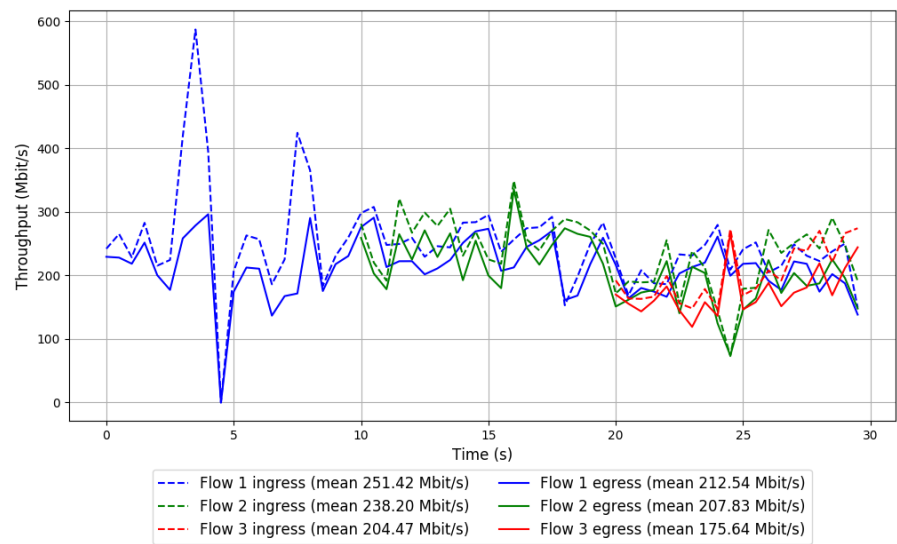


Run 6: Statistics of Verus

Start at: 2017-12-06 00:12:18
End at: 2017-12-06 00:12:48
Local clock offset: 0.343 ms
Remote clock offset: -0.965 ms

Below is generated by plot.py at 2017-12-06 04:51:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.91 Mbit/s
95th percentile per-packet one-way delay: 38.177 ms
Loss rate: 14.37%
-- Flow 1:
Average throughput: 212.54 Mbit/s
95th percentile per-packet one-way delay: 48.306 ms
Loss rate: 15.46%
-- Flow 2:
Average throughput: 207.83 Mbit/s
95th percentile per-packet one-way delay: 20.210 ms
Loss rate: 12.75%
-- Flow 3:
Average throughput: 175.64 Mbit/s
95th percentile per-packet one-way delay: 21.765 ms
Loss rate: 14.09%

Run 6: Report of Verus — Data Link

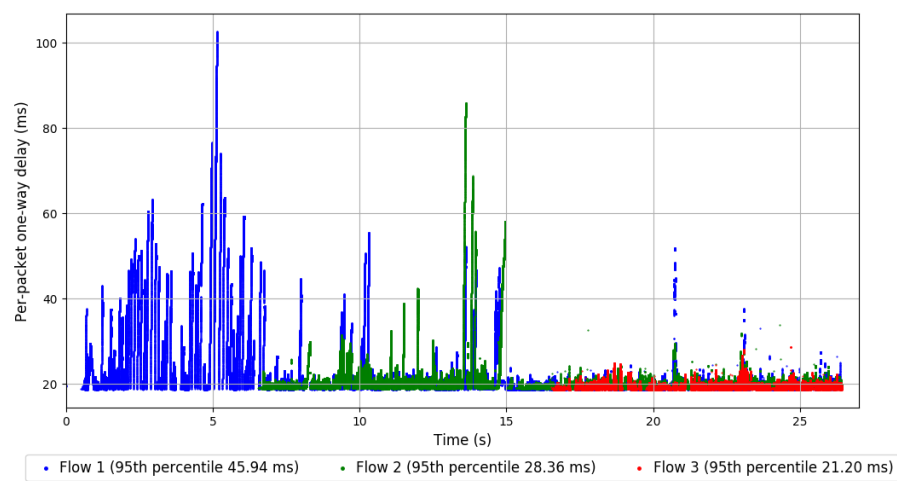
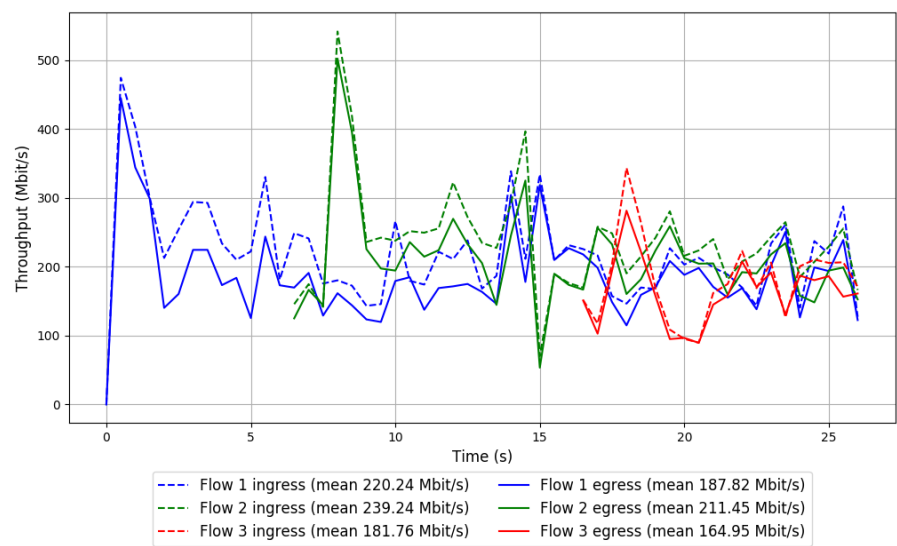


Run 7: Statistics of Verus

Start at: 2017-12-06 00:32:26
End at: 2017-12-06 00:32:56
Local clock offset: 0.591 ms
Remote clock offset: -0.819 ms

Below is generated by plot.py at 2017-12-06 04:51:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 408.54 Mbit/s
95th percentile per-packet one-way delay: 39.864 ms
Loss rate: 12.73%
-- Flow 1:
Average throughput: 187.82 Mbit/s
95th percentile per-packet one-way delay: 45.939 ms
Loss rate: 14.72%
-- Flow 2:
Average throughput: 211.45 Mbit/s
95th percentile per-packet one-way delay: 28.363 ms
Loss rate: 11.61%
-- Flow 3:
Average throughput: 164.95 Mbit/s
95th percentile per-packet one-way delay: 21.204 ms
Loss rate: 9.27%

Run 7: Report of Verus — Data Link

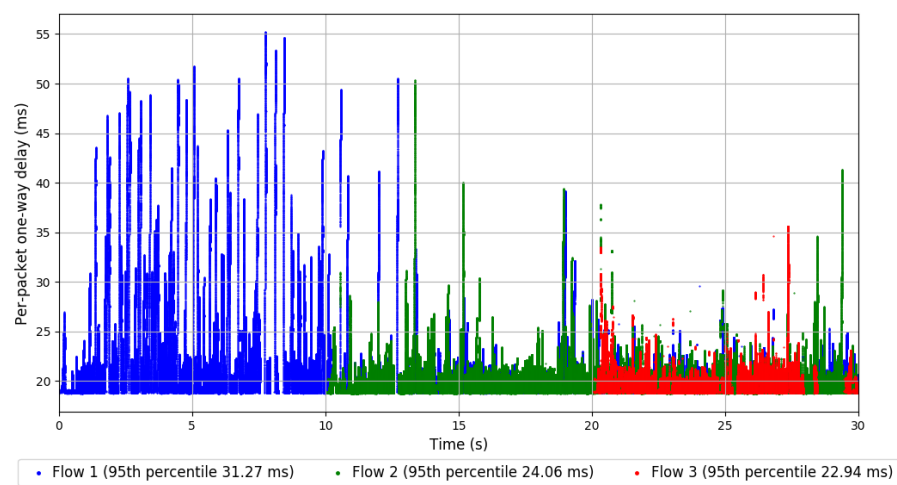
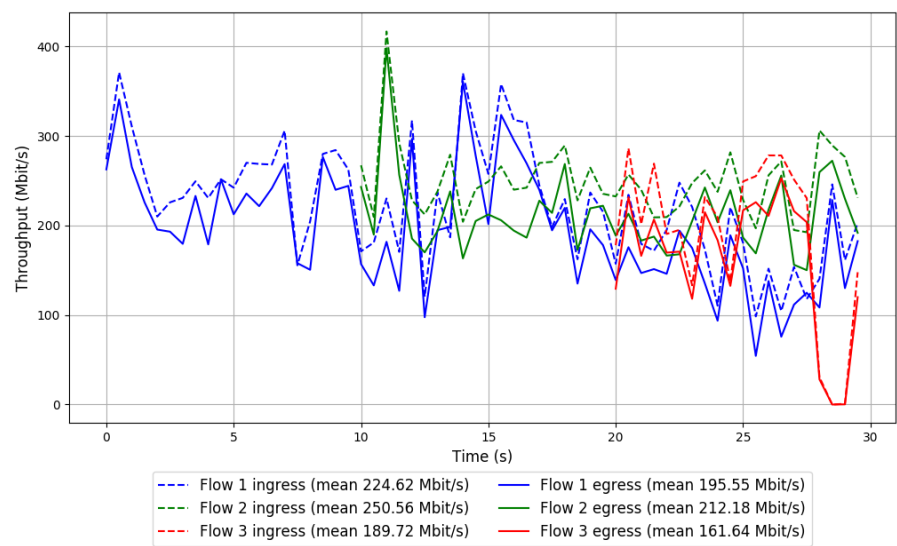


Run 8: Statistics of Verus

Start at: 2017-12-06 00:52:29
End at: 2017-12-06 00:52:59
Local clock offset: 0.709 ms
Remote clock offset: -0.676 ms

Below is generated by plot.py at 2017-12-06 04:51:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.16 Mbit/s
95th percentile per-packet one-way delay: 26.914 ms
Loss rate: 14.09%
-- Flow 1:
Average throughput: 195.55 Mbit/s
95th percentile per-packet one-way delay: 31.268 ms
Loss rate: 12.95%
-- Flow 2:
Average throughput: 212.18 Mbit/s
95th percentile per-packet one-way delay: 24.061 ms
Loss rate: 15.35%
-- Flow 3:
Average throughput: 161.64 Mbit/s
95th percentile per-packet one-way delay: 22.937 ms
Loss rate: 14.81%

Run 8: Report of Verus — Data Link

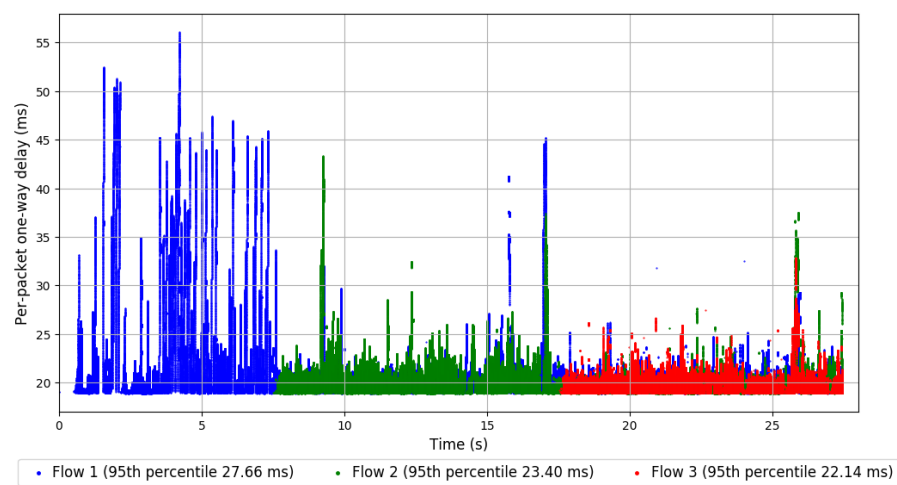
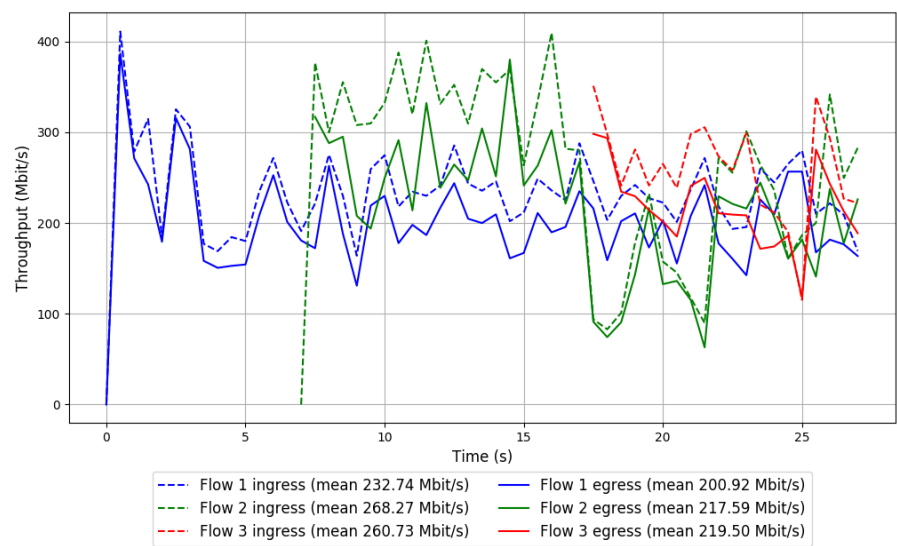


Run 9: Statistics of Verus

Start at: 2017-12-06 01:12:46
End at: 2017-12-06 01:13:16
Local clock offset: 1.111 ms
Remote clock offset: -0.551 ms

Below is generated by plot.py at 2017-12-06 04:52:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.32 Mbit/s
95th percentile per-packet one-way delay: 24.314 ms
Loss rate: 16.01%
-- Flow 1:
Average throughput: 200.92 Mbit/s
95th percentile per-packet one-way delay: 27.655 ms
Loss rate: 13.67%
-- Flow 2:
Average throughput: 217.59 Mbit/s
95th percentile per-packet one-way delay: 23.402 ms
Loss rate: 18.89%
-- Flow 3:
Average throughput: 219.50 Mbit/s
95th percentile per-packet one-way delay: 22.137 ms
Loss rate: 15.81%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

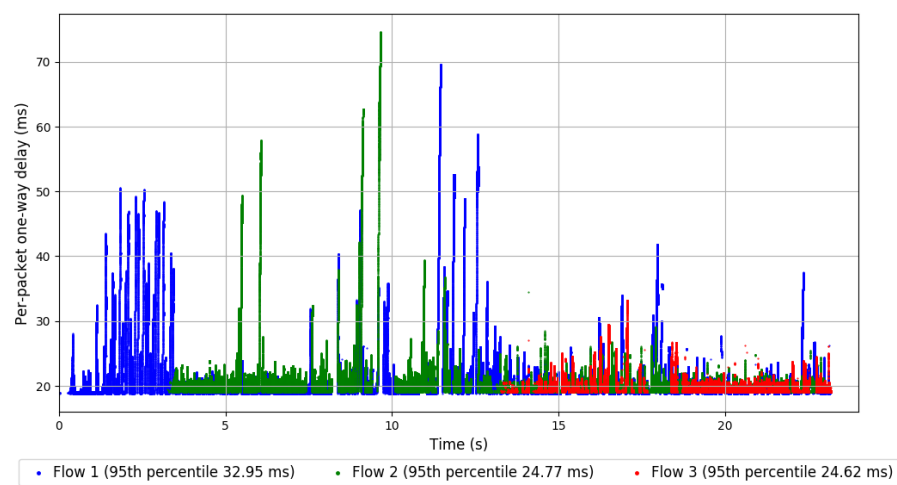
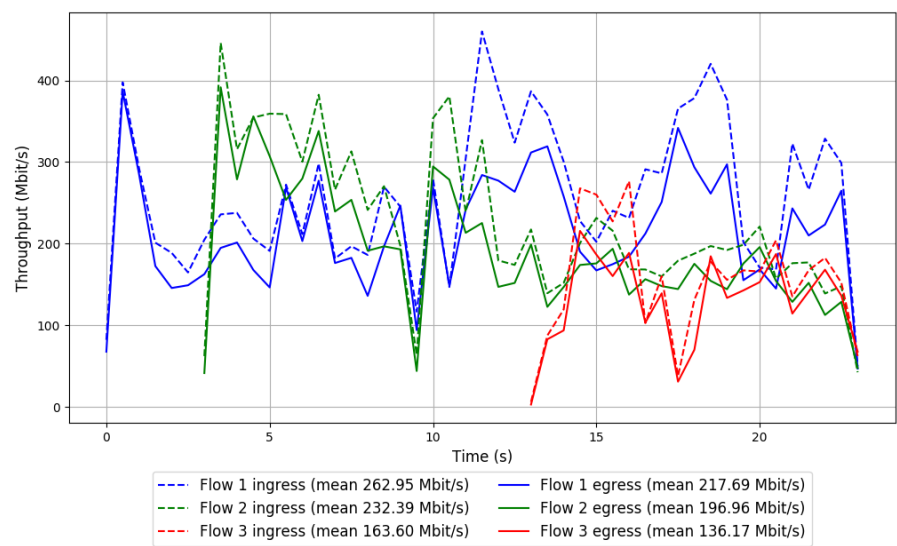
Start at: 2017-12-06 01:32:56

End at: 2017-12-06 01:33:26

Local clock offset: 1.215 ms

Remote clock offset: -0.752 ms

Run 10: Report of Verus — Data Link

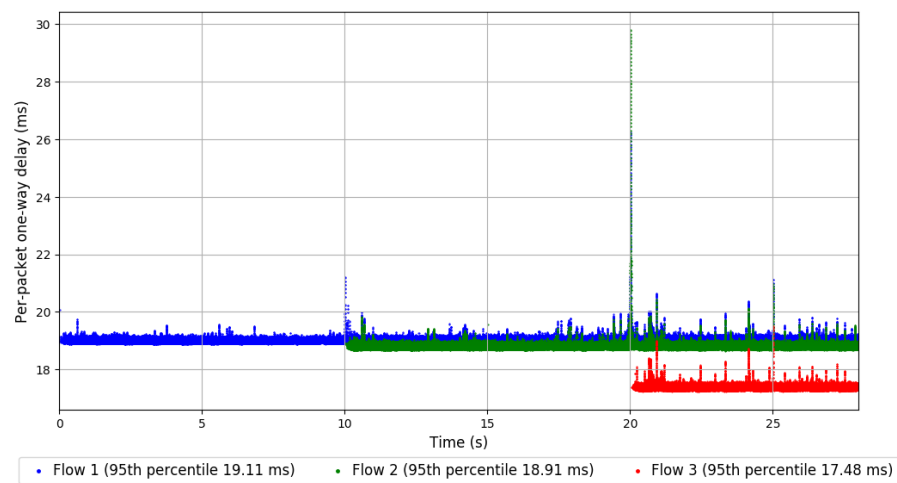
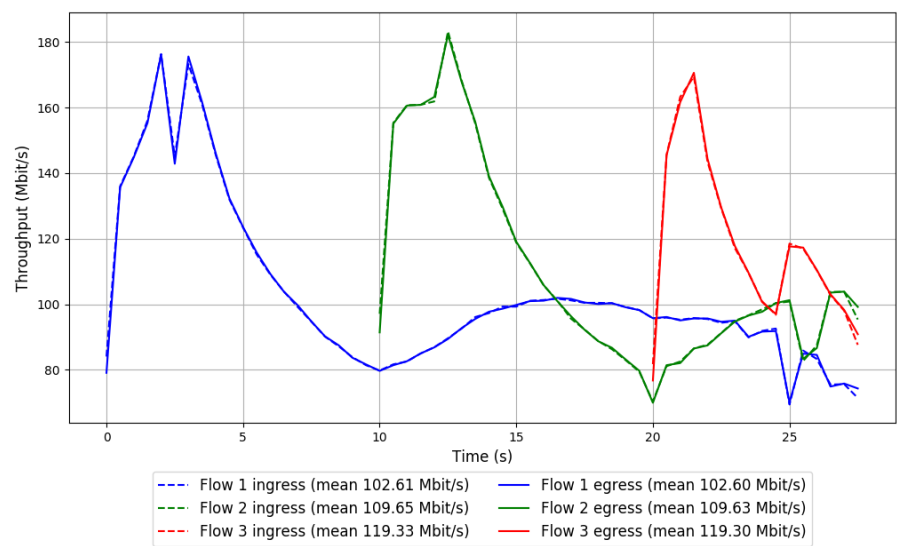


Run 1: Statistics of Copa

Start at: 2017-12-05 22:38:42
End at: 2017-12-05 22:39:12
Local clock offset: 1.218 ms
Remote clock offset: -0.955 ms

Below is generated by plot.py at 2017-12-06 04:53:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.80 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 102.60 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 109.63 Mbit/s
95th percentile per-packet one-way delay: 18.907 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 119.30 Mbit/s
95th percentile per-packet one-way delay: 17.484 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

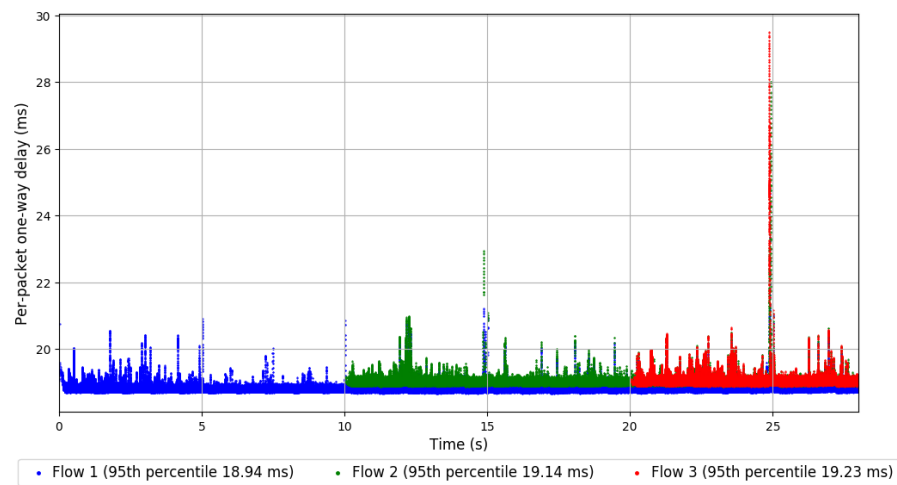
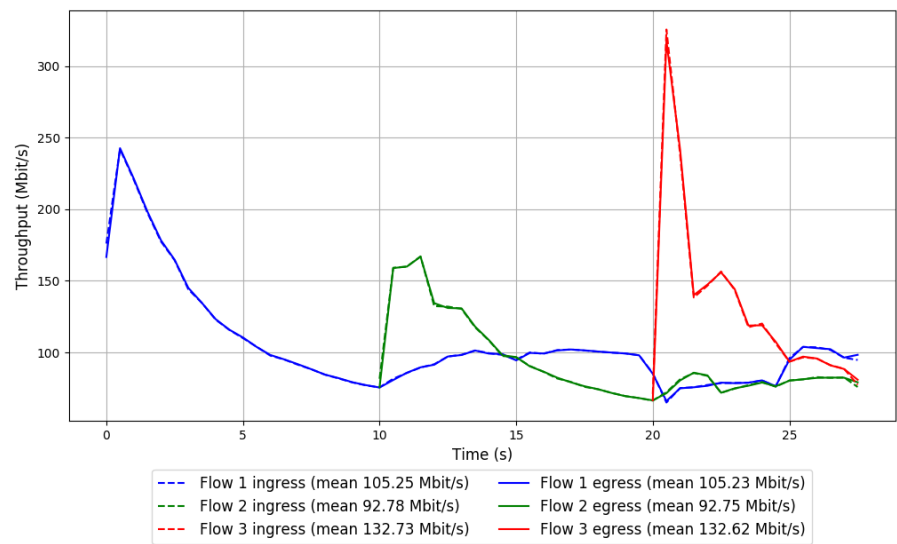


Run 2: Statistics of Copa

Start at: 2017-12-05 22:58:47
End at: 2017-12-05 22:59:17
Local clock offset: 1.142 ms
Remote clock offset: -1.328 ms

Below is generated by plot.py at 2017-12-06 04:54:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 202.44 Mbit/s
95th percentile per-packet one-way delay: 19.120 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 105.23 Mbit/s
95th percentile per-packet one-way delay: 18.936 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 19.145 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 132.62 Mbit/s
95th percentile per-packet one-way delay: 19.226 ms
Loss rate: 0.08%

Run 2: Report of Copa — Data Link

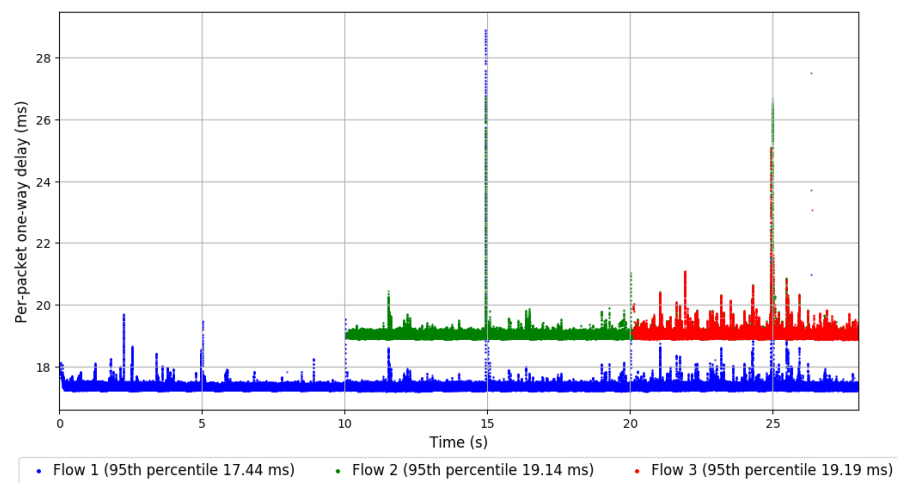
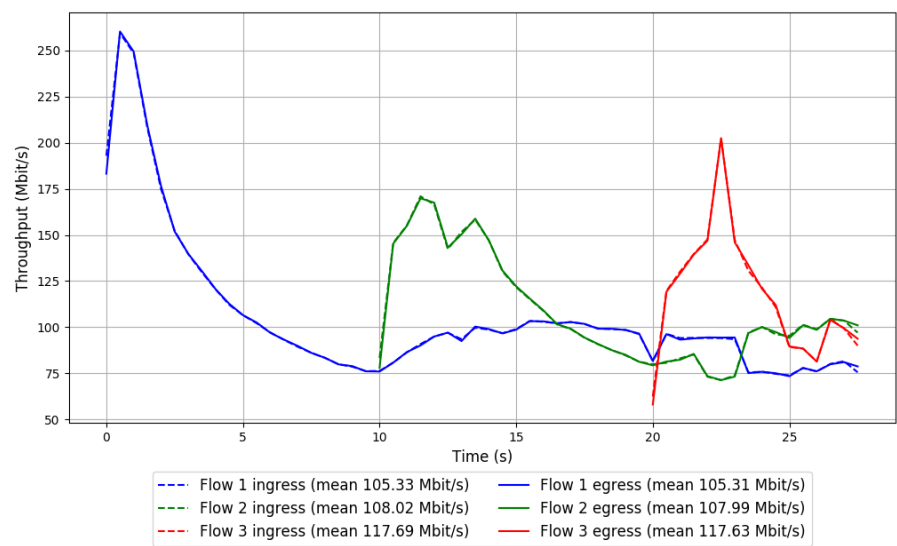


Run 3: Statistics of Copa

Start at: 2017-12-05 23:18:47
End at: 2017-12-05 23:19:17
Local clock offset: 0.872 ms
Remote clock offset: -1.335 ms

Below is generated by plot.py at 2017-12-06 04:55:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.94 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 105.31 Mbit/s
95th percentile per-packet one-way delay: 17.441 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 107.99 Mbit/s
95th percentile per-packet one-way delay: 19.136 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 117.63 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.05%

Run 3: Report of Copa — Data Link

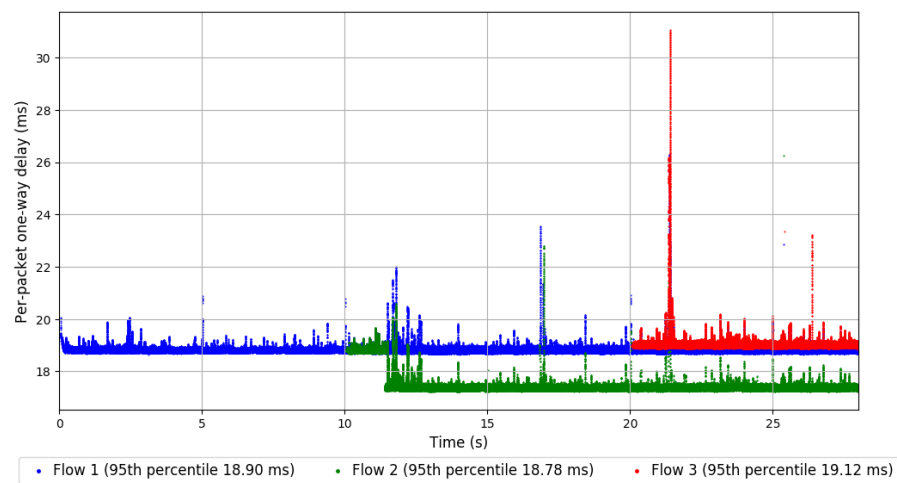
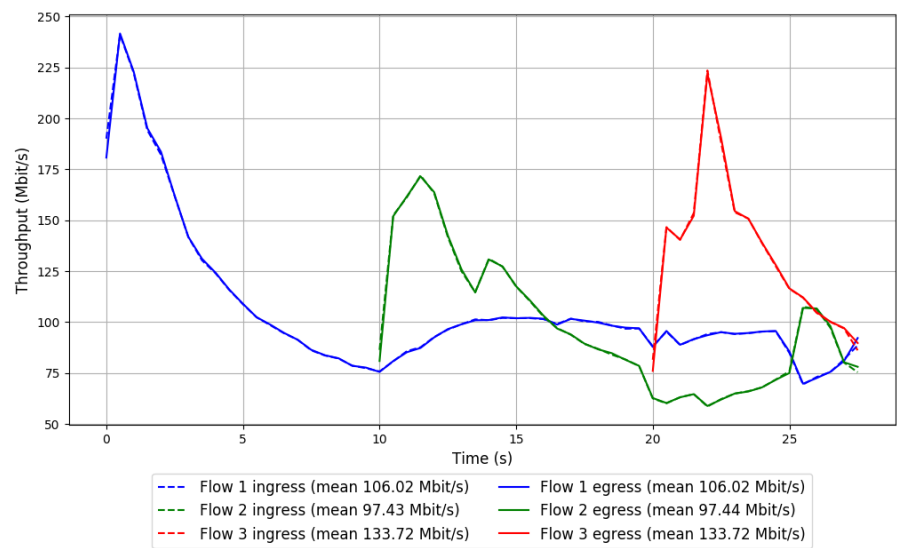


Run 4: Statistics of Copa

Start at: 2017-12-05 23:39:01
End at: 2017-12-05 23:39:31
Local clock offset: 0.557 ms
Remote clock offset: -1.092 ms

Below is generated by plot.py at 2017-12-06 04:56:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.47 Mbit/s
95th percentile per-packet one-way delay: 19.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.02 Mbit/s
95th percentile per-packet one-way delay: 18.903 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 18.781 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.72 Mbit/s
95th percentile per-packet one-way delay: 19.122 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

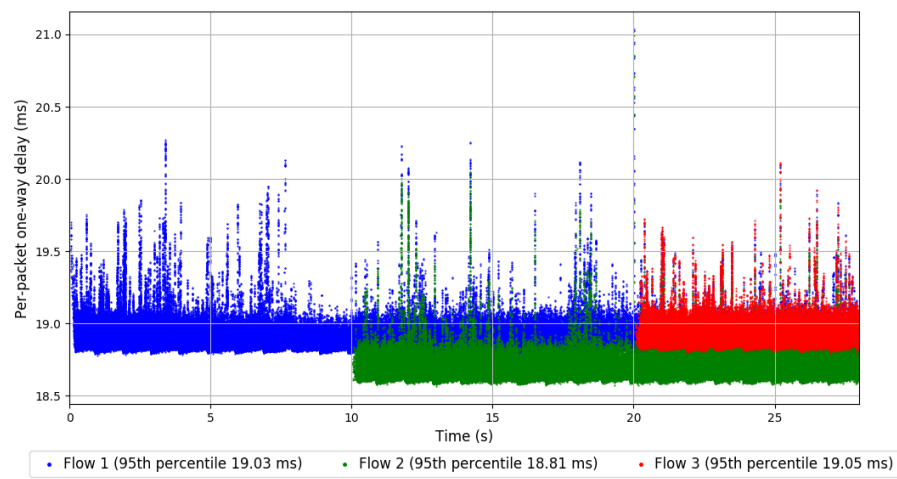
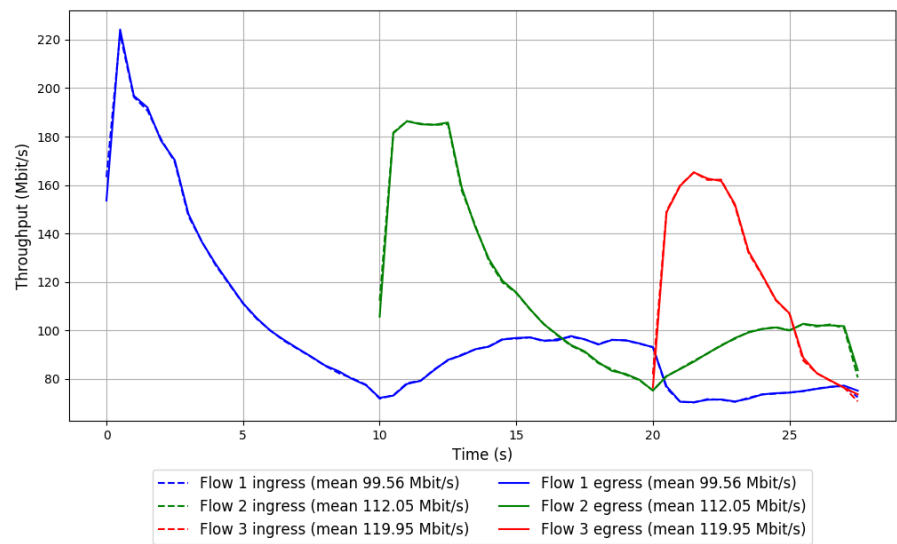


Run 5: Statistics of Copa

Start at: 2017-12-05 23:59:20
End at: 2017-12-05 23:59:50
Local clock offset: 0.433 ms
Remote clock offset: -1.125 ms

Below is generated by plot.py at 2017-12-06 04:56:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 205.51 Mbit/s
95th percentile per-packet one-way delay: 19.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.56 Mbit/s
95th percentile per-packet one-way delay: 19.033 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 112.05 Mbit/s
95th percentile per-packet one-way delay: 18.806 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.95 Mbit/s
95th percentile per-packet one-way delay: 19.045 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

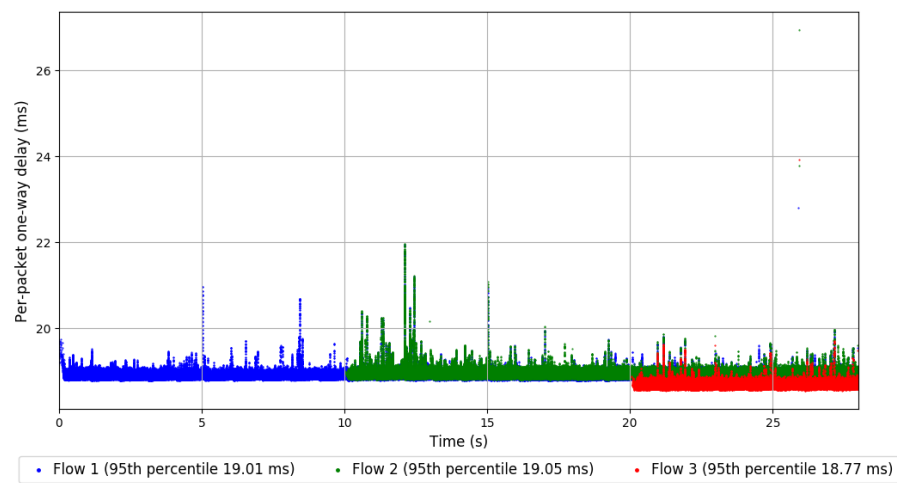
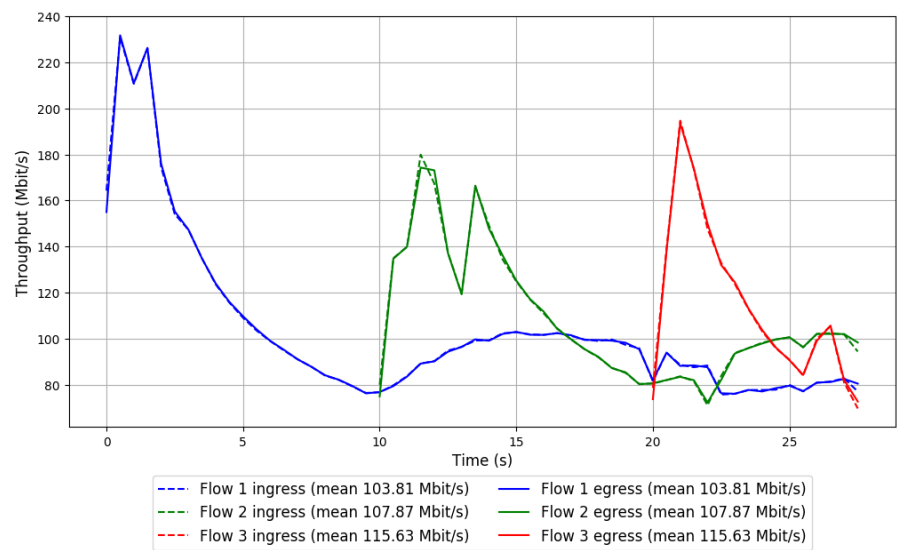


Run 6: Statistics of Copa

Start at: 2017-12-06 00:19:36
End at: 2017-12-06 00:20:06
Local clock offset: 0.505 ms
Remote clock offset: -0.955 ms

Below is generated by plot.py at 2017-12-06 04:56:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 205.85 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.81 Mbit/s
95th percentile per-packet one-way delay: 19.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.87 Mbit/s
95th percentile per-packet one-way delay: 19.053 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.63 Mbit/s
95th percentile per-packet one-way delay: 18.774 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

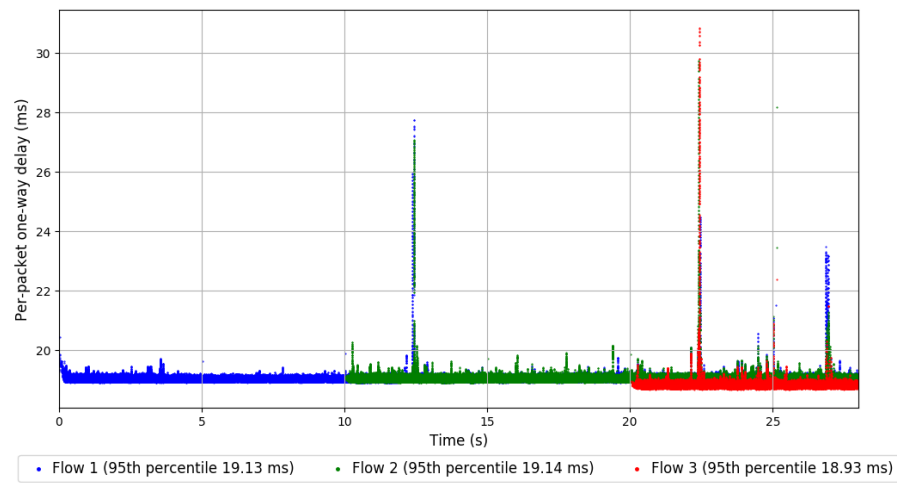
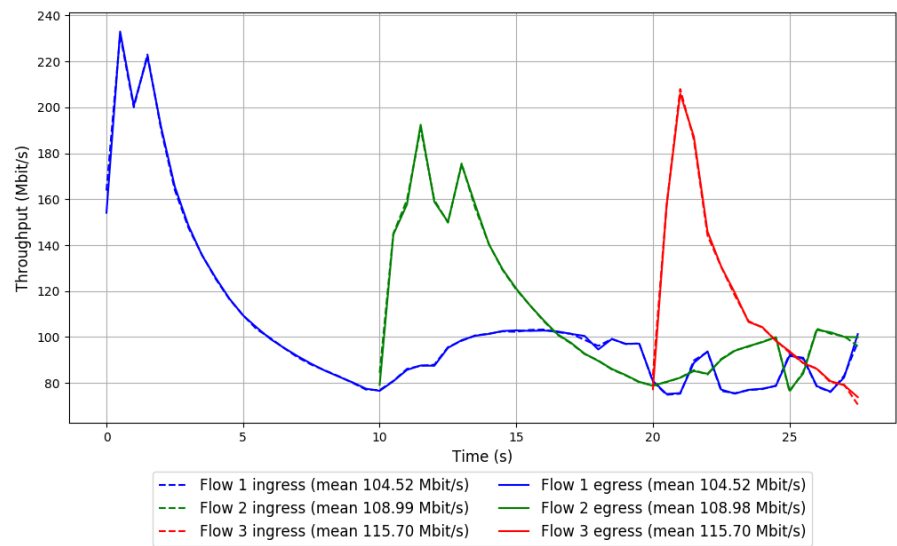


Run 7: Statistics of Copa

Start at: 2017-12-06 00:39:44
End at: 2017-12-06 00:40:14
Local clock offset: 0.589 ms
Remote clock offset: -0.723 ms

```
# Below is generated by plot.py at 2017-12-06 04:58:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 207.31 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 104.52 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.98 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 115.70 Mbit/s
95th percentile per-packet one-way delay: 18.933 ms
Loss rate: 0.00%
```


Run 7: Report of Copa — Data Link

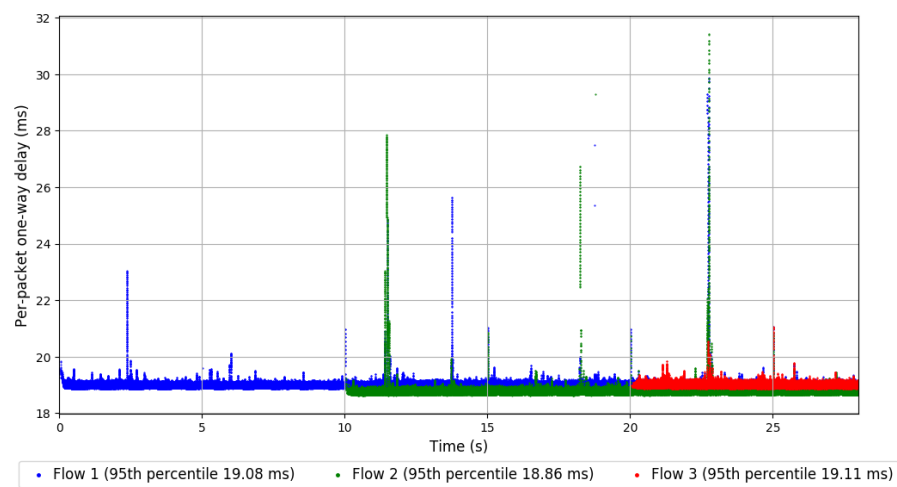
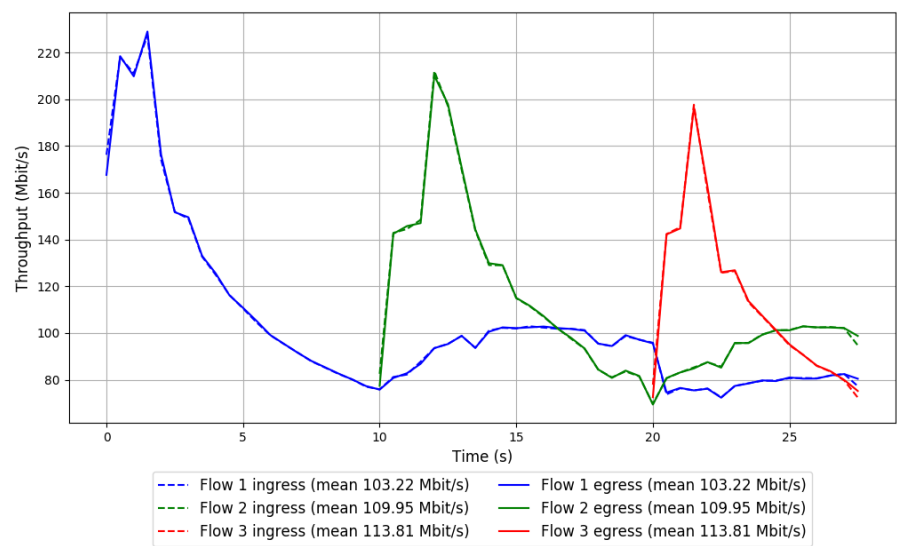


Run 8: Statistics of Copa

Start at: 2017-12-06 00:59:54
End at: 2017-12-06 01:00:24
Local clock offset: 0.929 ms
Remote clock offset: -0.664 ms

```
# Below is generated by plot.py at 2017-12-06 04:58:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 206.02 Mbit/s
95th percentile per-packet one-way delay: 19.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.22 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 109.95 Mbit/s
95th percentile per-packet one-way delay: 18.861 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.81 Mbit/s
95th percentile per-packet one-way delay: 19.107 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-12-06 01:20:05

End at: 2017-12-06 01:20:35

Local clock offset: 1.122 ms

Remote clock offset: -0.61 ms

Below is generated by plot.py at 2017-12-06 04:58:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 209.57 Mbit/s

95th percentile per-packet one-way delay: 19.086 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 107.57 Mbit/s

95th percentile per-packet one-way delay: 19.080 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 105.06 Mbit/s

95th percentile per-packet one-way delay: 19.099 ms

Loss rate: 0.00%

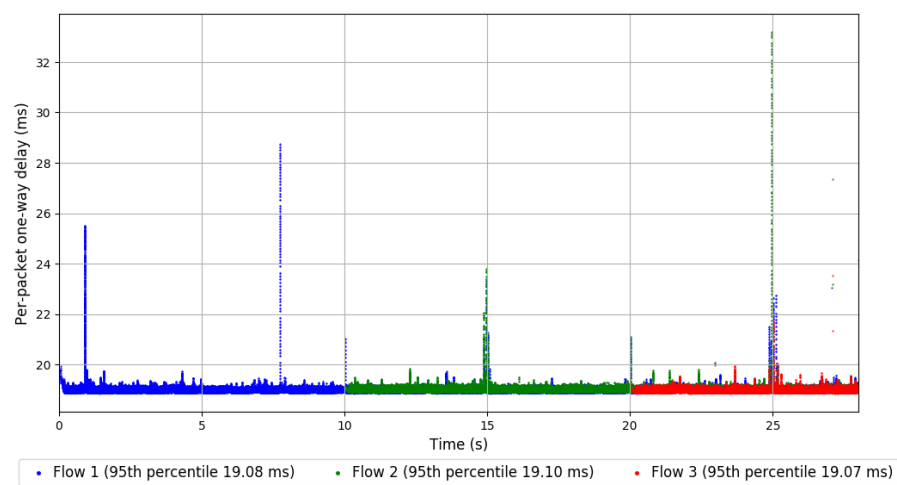
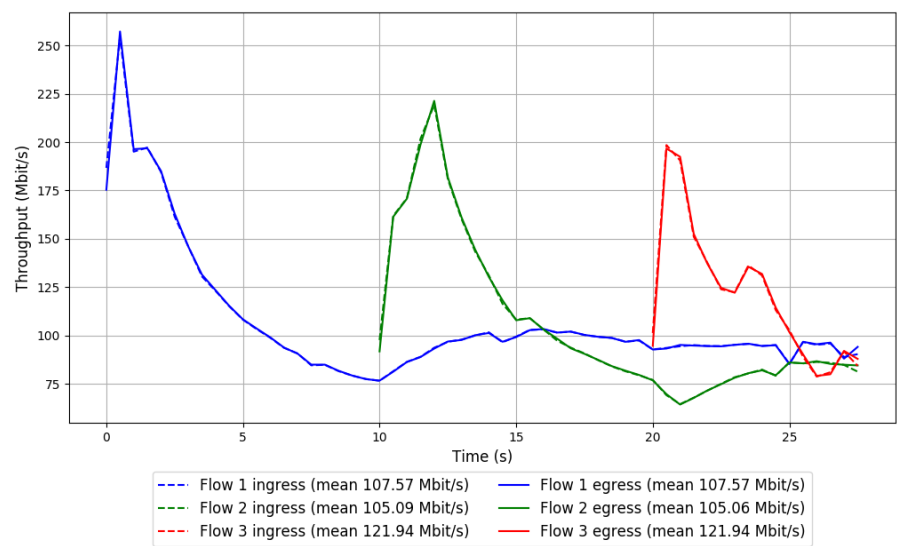
-- Flow 3:

Average throughput: 121.94 Mbit/s

95th percentile per-packet one-way delay: 19.075 ms

Loss rate: 0.01%

Run 9: Report of Copa — Data Link

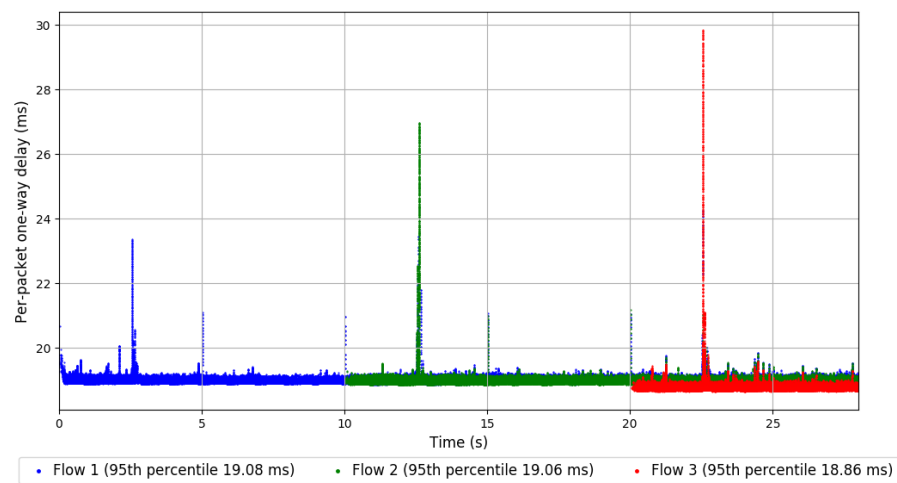
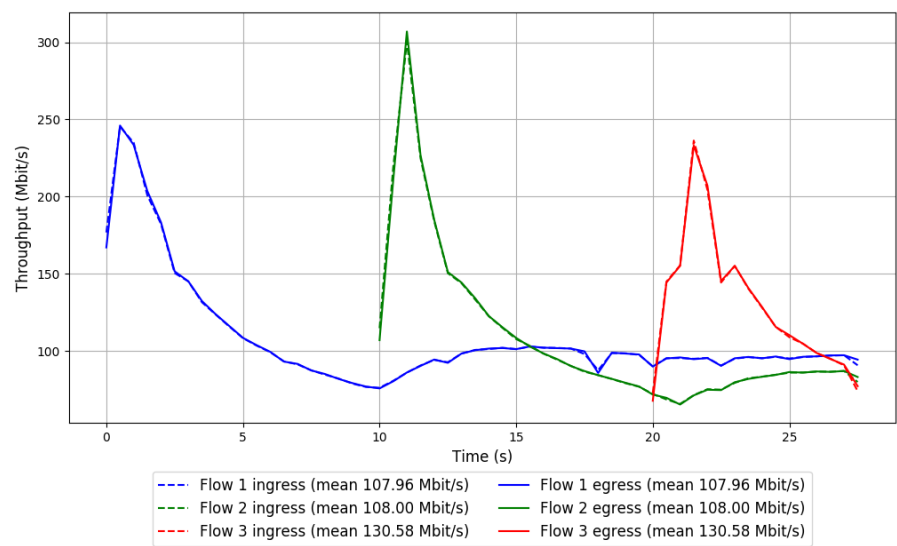


Run 10: Statistics of Copa

Start at: 2017-12-06 01:40:17
End at: 2017-12-06 01:40:47
Local clock offset: 1.206 ms
Remote clock offset: -0.966 ms

Below is generated by plot.py at 2017-12-06 04:59:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.30 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.96 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.00 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.58 Mbit/s
95th percentile per-packet one-way delay: 18.862 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

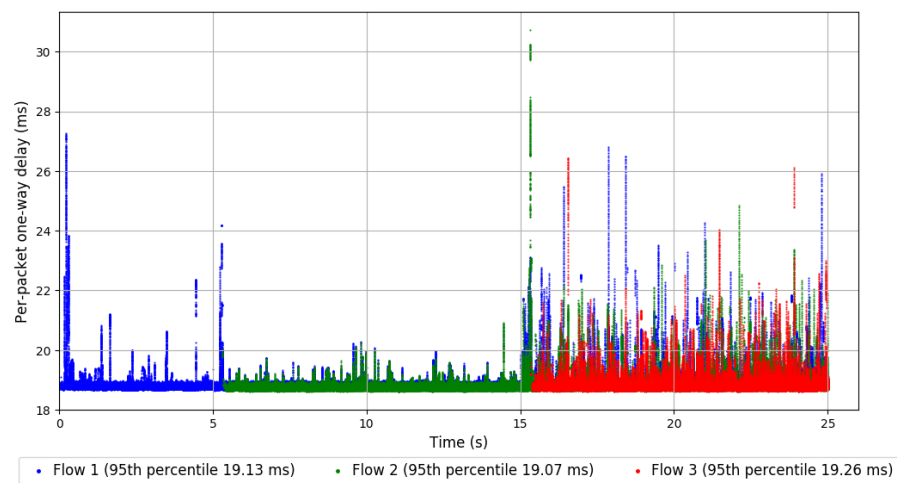
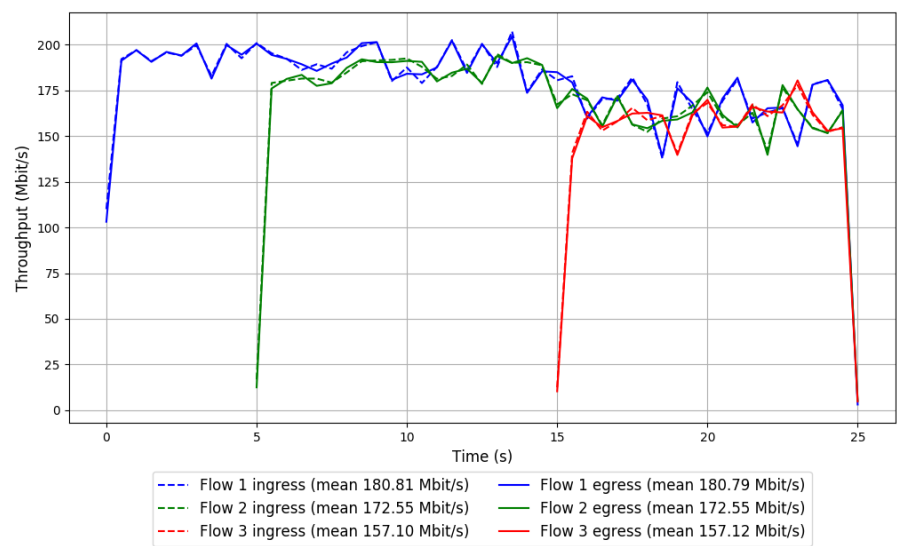


```
Run 1: Statistics of Indigo

Start at: 2017-12-05 22:30:01
End at: 2017-12-05 22:30:31
Local clock offset: 1.221 ms
Remote clock offset: -0.949 ms

# Below is generated by plot.py at 2017-12-06 04:59:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 377.50 Mbit/s
95th percentile per-packet one-way delay: 19.131 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 180.79 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 172.55 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.12 Mbit/s
95th percentile per-packet one-way delay: 19.264 ms
Loss rate: 0.01%
```


Run 1: Report of Indigo — Data Link

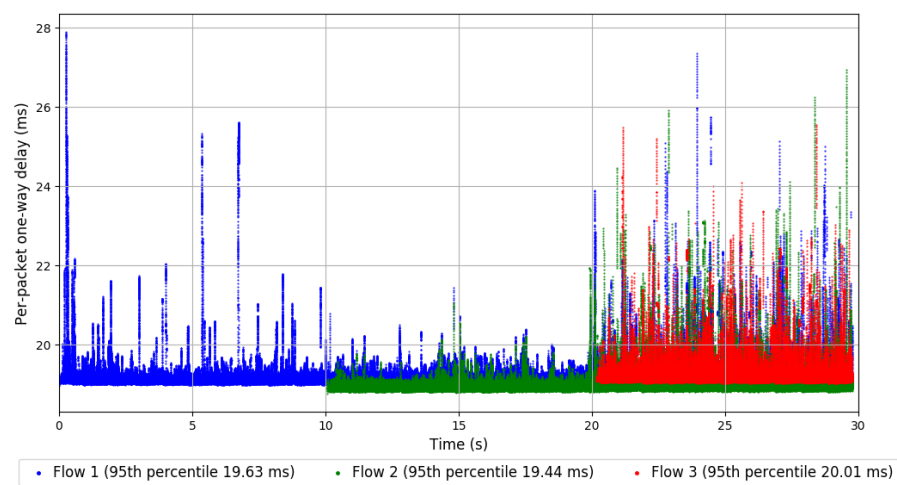
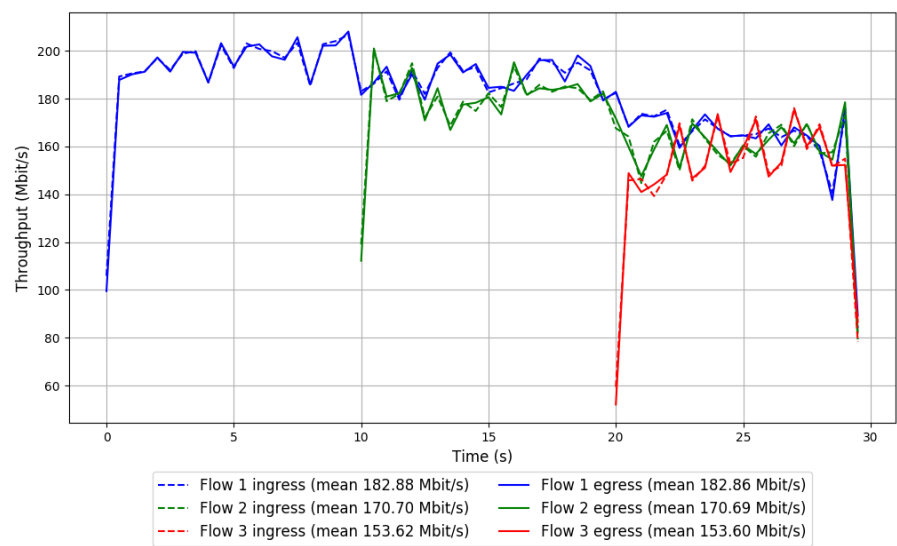


Run 2: Statistics of Indigo

Start at: 2017-12-05 22:50:09
End at: 2017-12-05 22:50:39
Local clock offset: 1.143 ms
Remote clock offset: -1.156 ms

Below is generated by plot.py at 2017-12-06 05:01:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 345.51 Mbit/s
95th percentile per-packet one-way delay: 19.648 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 182.86 Mbit/s
95th percentile per-packet one-way delay: 19.627 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 170.69 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 153.60 Mbit/s
95th percentile per-packet one-way delay: 20.012 ms
Loss rate: 0.02%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

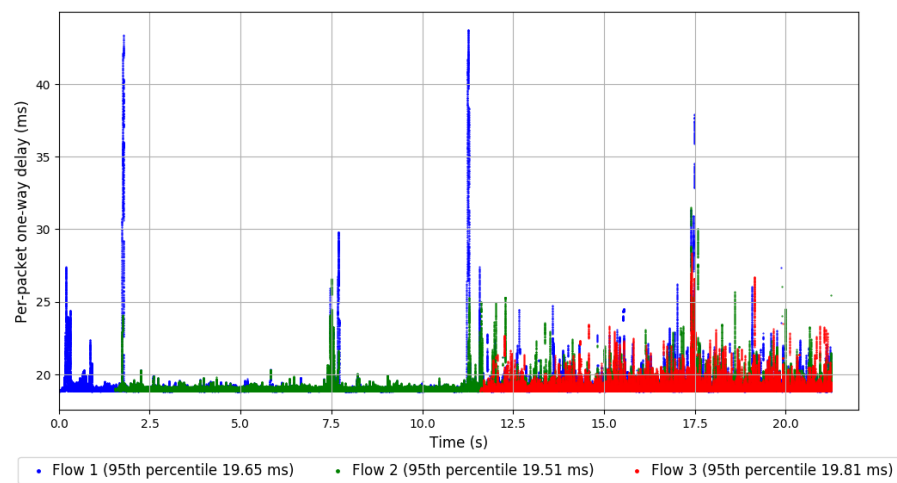
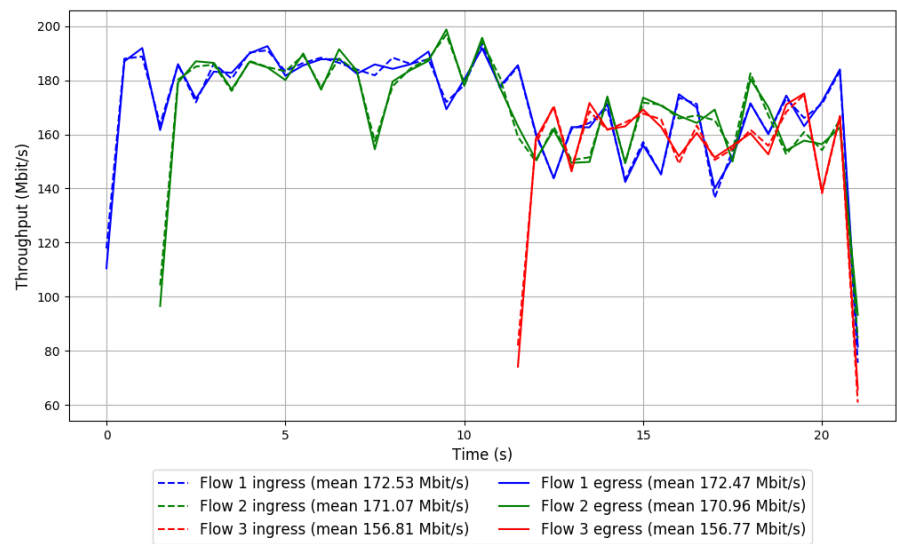
Start at: 2017-12-05 23:10:08

End at: 2017-12-05 23:10:38

Local clock offset: 1.062 ms

Remote clock offset: -1.377 ms

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

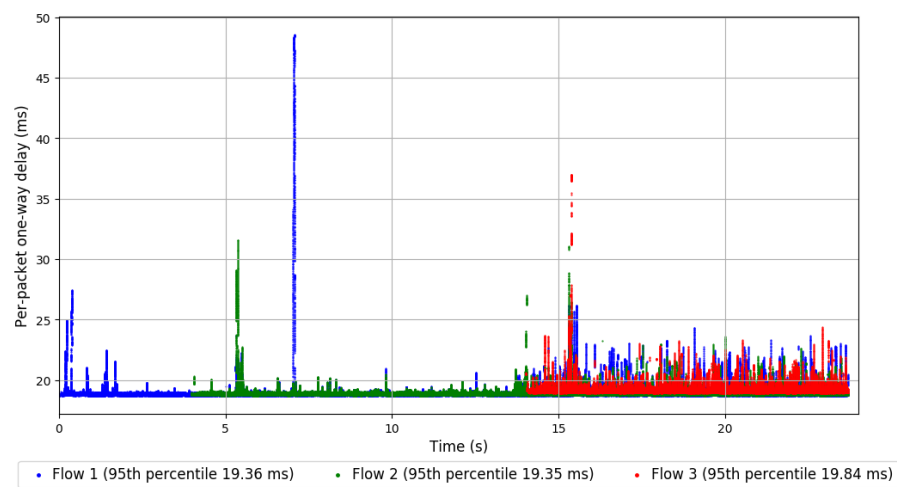
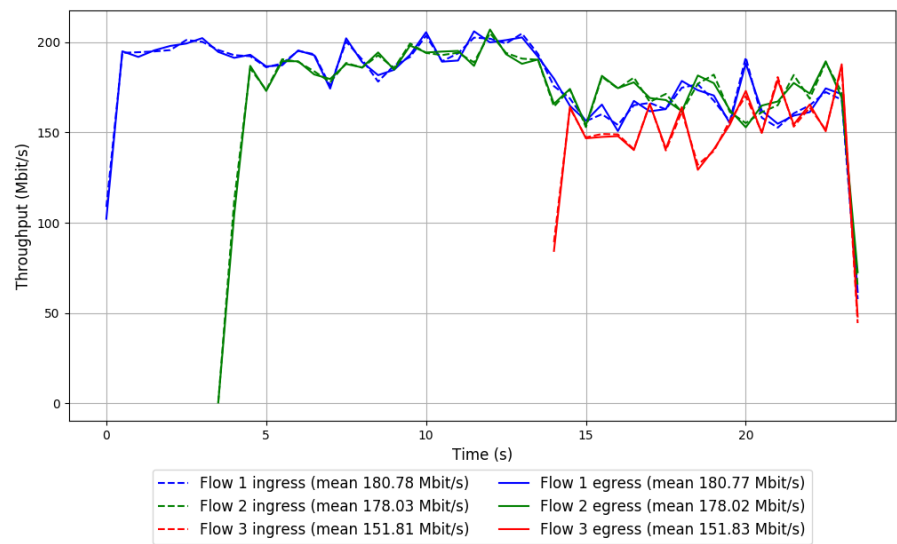
Start at: 2017-12-05 23:30:12

End at: 2017-12-05 23:30:42

Local clock offset: 0.682 ms

Remote clock offset: -1.135 ms

Run 4: Report of Indigo — Data Link

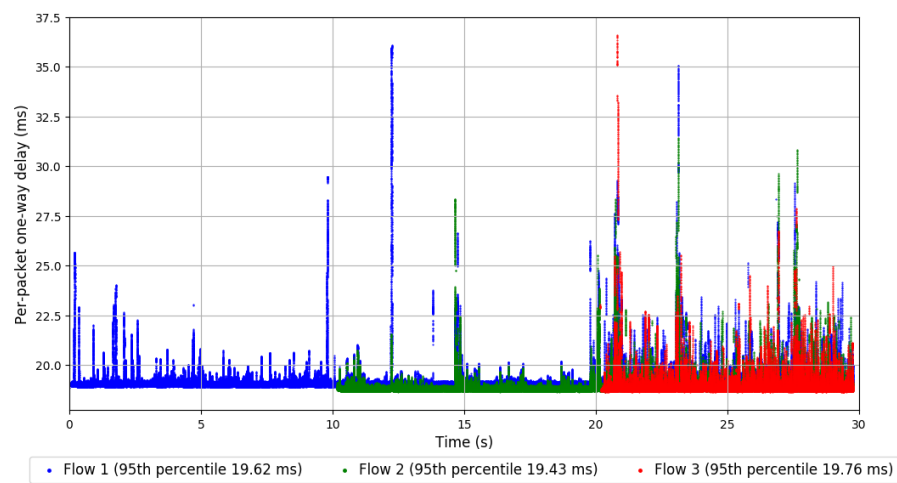
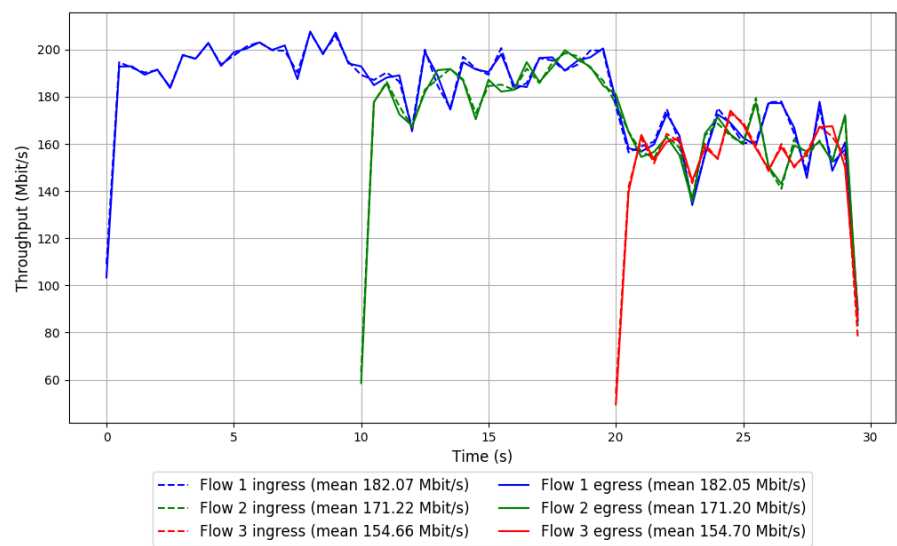


Run 5: Statistics of Indigo

Start at: 2017-12-05 23:50:29
End at: 2017-12-05 23:50:59
Local clock offset: 0.398 ms
Remote clock offset: -1.154 ms

Below is generated by plot.py at 2017-12-06 05:03:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 344.83 Mbit/s
95th percentile per-packet one-way delay: 19.590 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 182.05 Mbit/s
95th percentile per-packet one-way delay: 19.622 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 171.20 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 154.70 Mbit/s
95th percentile per-packet one-way delay: 19.760 ms
Loss rate: 0.02%

Run 5: Report of Indigo — Data Link

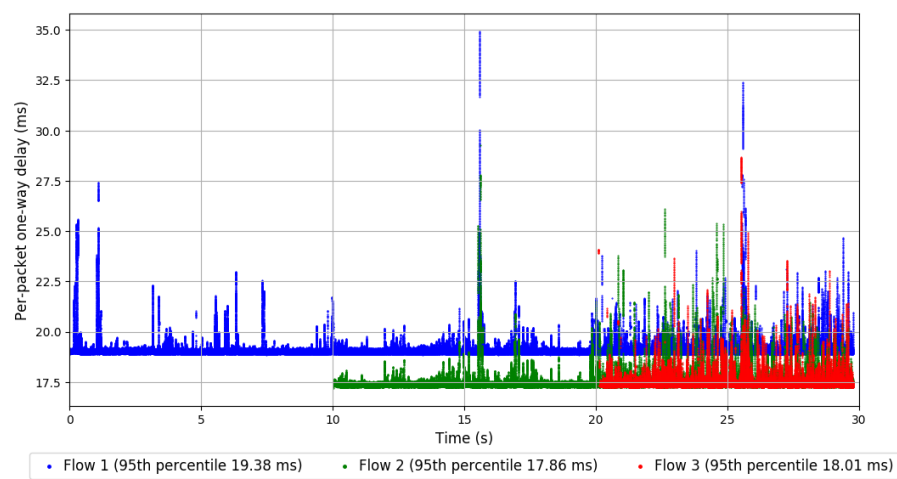
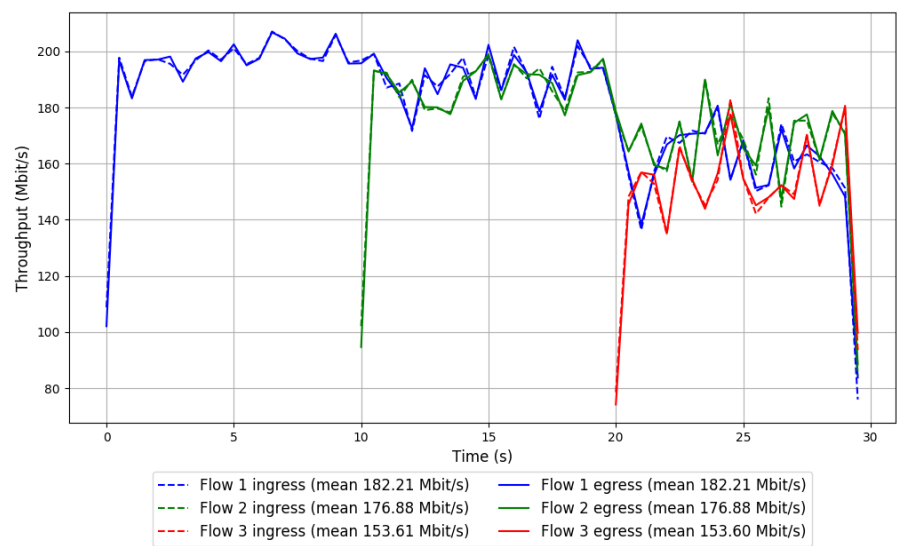


Run 6: Statistics of Indigo

Start at: 2017-12-06 00:10:48
End at: 2017-12-06 00:11:18
Local clock offset: 0.442 ms
Remote clock offset: -0.966 ms

Below is generated by plot.py at 2017-12-06 05:03:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.49 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 182.21 Mbit/s
95th percentile per-packet one-way delay: 19.376 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.88 Mbit/s
95th percentile per-packet one-way delay: 17.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 153.60 Mbit/s
95th percentile per-packet one-way delay: 18.012 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

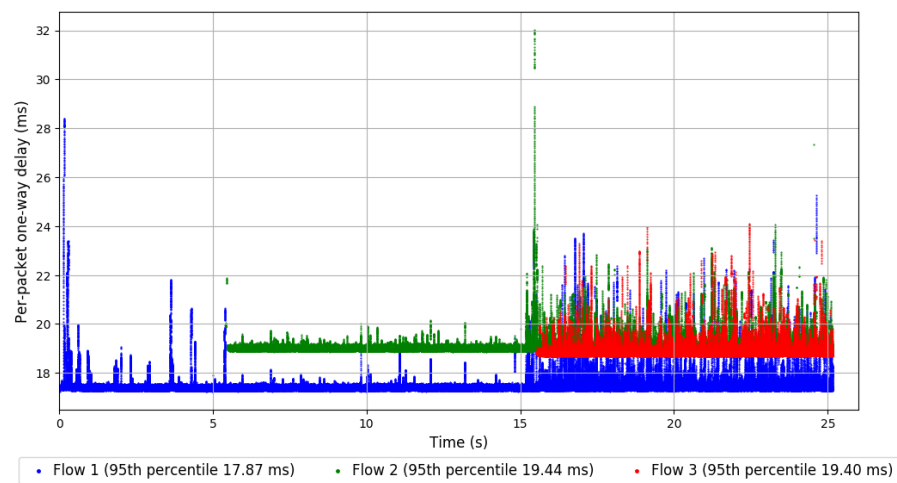
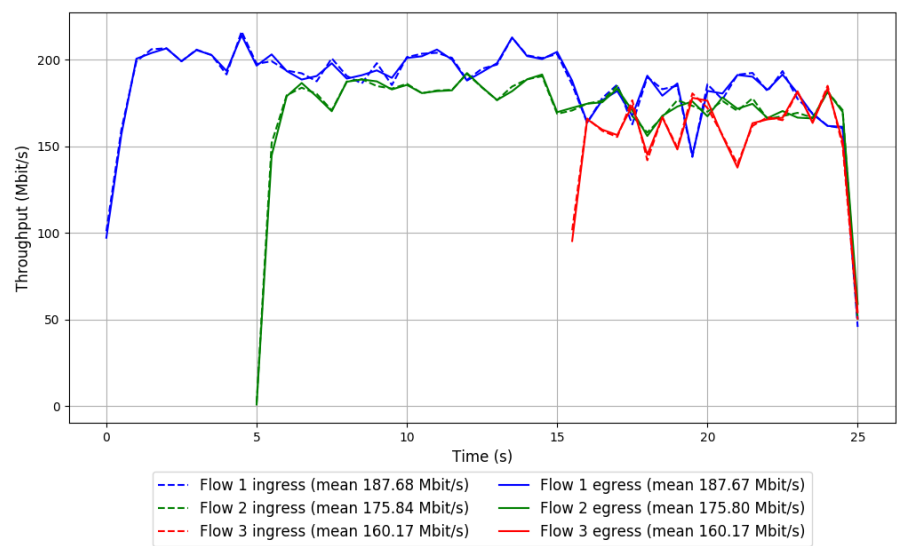


Run 7: Statistics of Indigo

Start at: 2017-12-06 00:30:57
End at: 2017-12-06 00:31:27
Local clock offset: 0.5 ms
Remote clock offset: -0.818 ms

Below is generated by plot.py at 2017-12-06 05:03:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 387.04 Mbit/s
95th percentile per-packet one-way delay: 19.220 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 187.67 Mbit/s
95th percentile per-packet one-way delay: 17.869 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 175.80 Mbit/s
95th percentile per-packet one-way delay: 19.440 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 160.17 Mbit/s
95th percentile per-packet one-way delay: 19.398 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

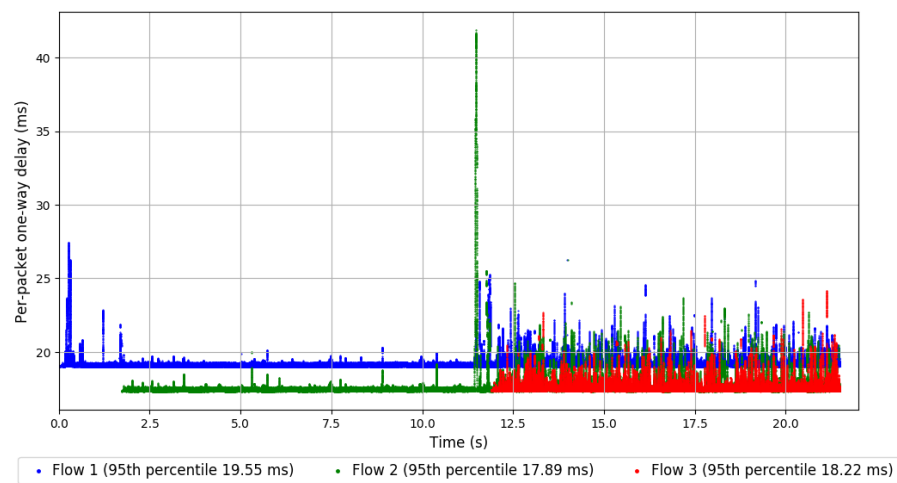
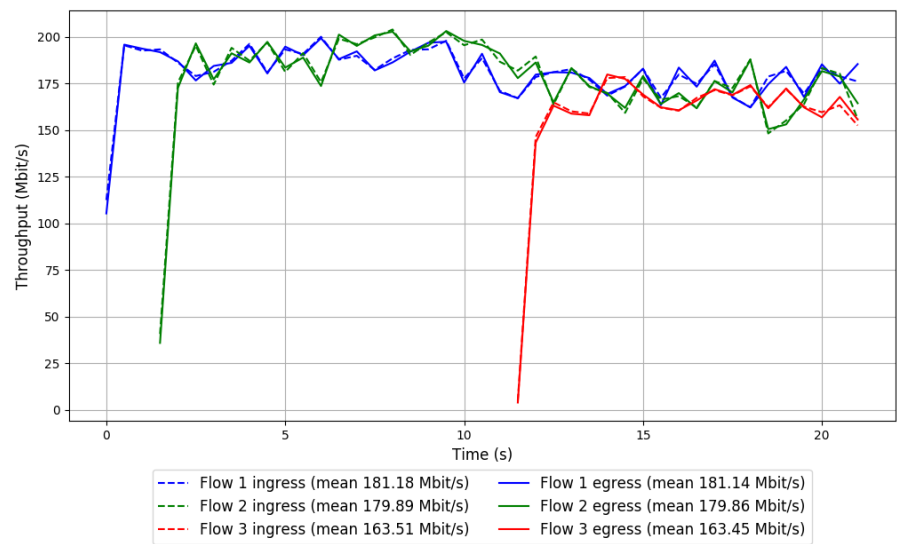
Start at: 2017-12-06 00:51:02

End at: 2017-12-06 00:51:32

Local clock offset: 0.71 ms

Remote clock offset: -0.635 ms

Run 8: Report of Indigo — Data Link

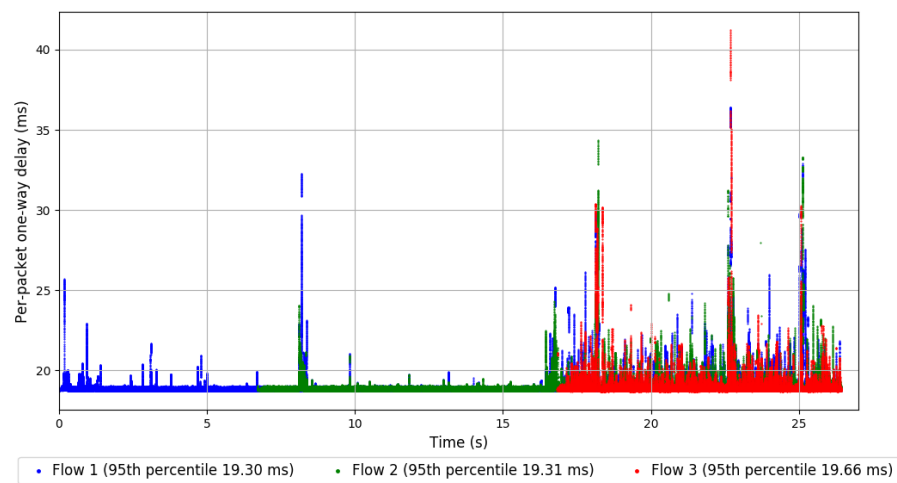
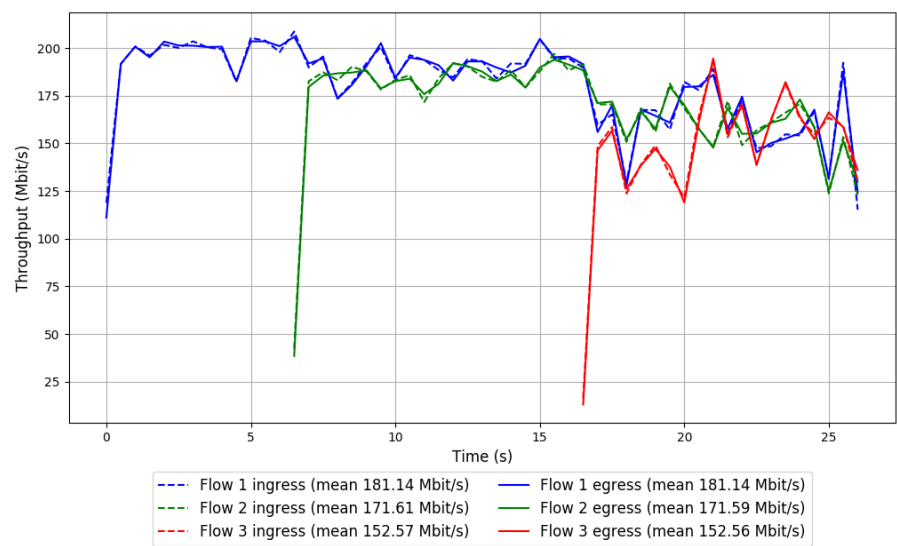


Run 9: Statistics of Indigo

Start at: 2017-12-06 01:11:17
End at: 2017-12-06 01:11:47
Local clock offset: 1.081 ms
Remote clock offset: -0.564 ms

Below is generated by plot.py at 2017-12-06 05:04:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.66 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 181.14 Mbit/s
95th percentile per-packet one-way delay: 19.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.59 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 152.56 Mbit/s
95th percentile per-packet one-way delay: 19.656 ms
Loss rate: 0.01%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

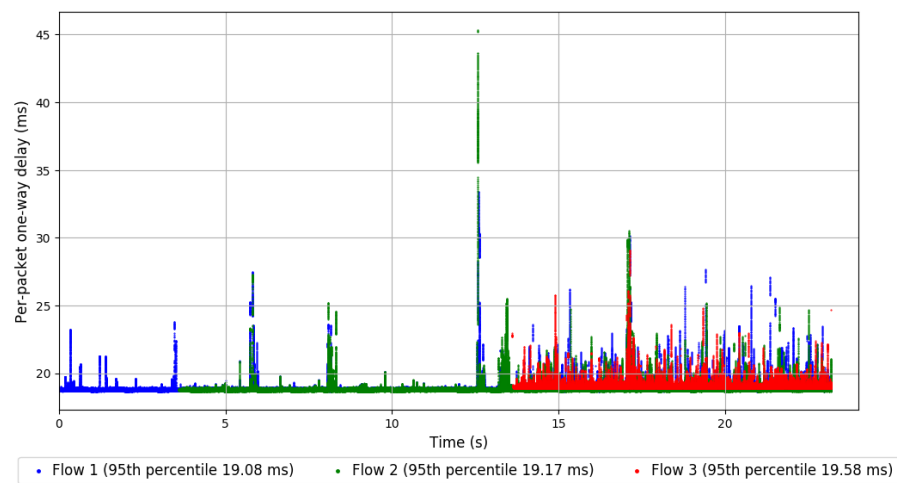
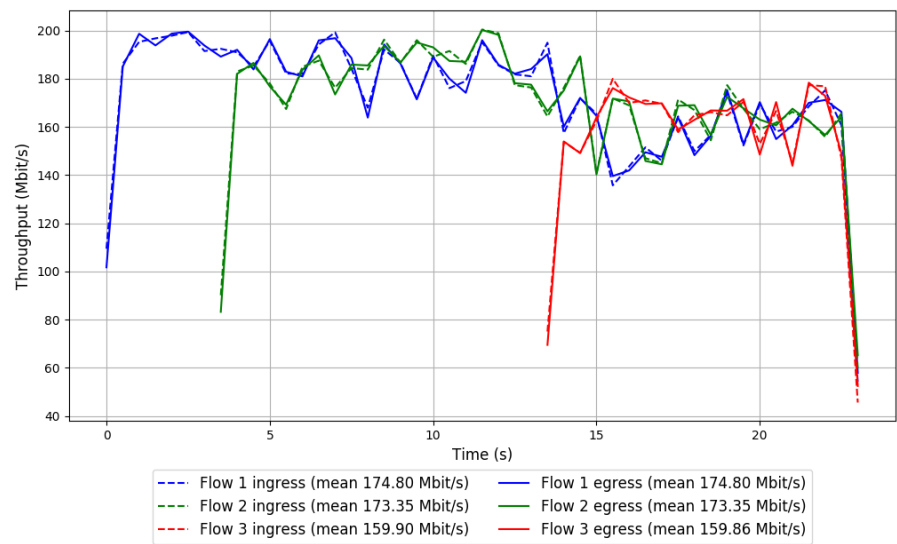
Start at: 2017-12-06 01:31:28

End at: 2017-12-06 01:31:58

Local clock offset: 1.223 ms

Remote clock offset: -0.818 ms

Run 10: Report of Indigo — Data Link

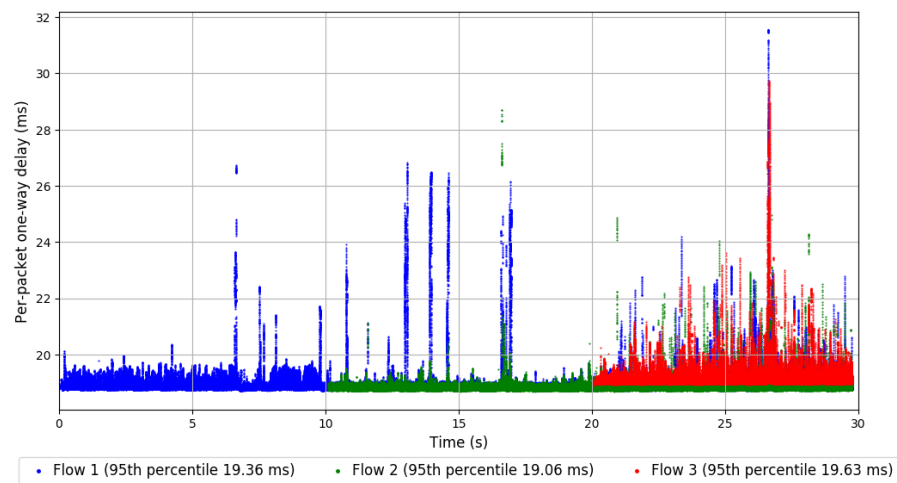
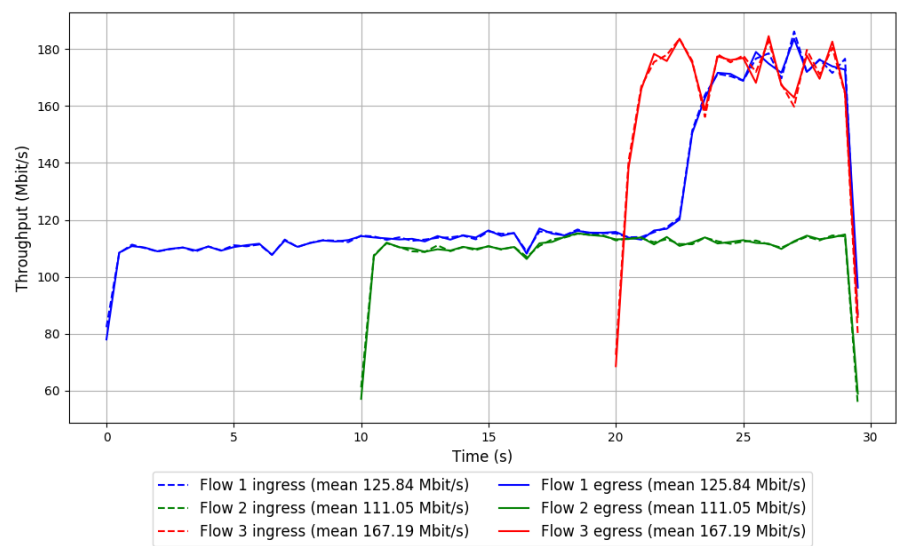


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-05 22:27:07
End at: 2017-12-05 22:27:37
Local clock offset: 1.189 ms
Remote clock offset: -0.932 ms

# Below is generated by plot.py at 2017-12-06 05:05:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.64 Mbit/s
95th percentile per-packet one-way delay: 19.369 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.84 Mbit/s
95th percentile per-packet one-way delay: 19.358 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 111.05 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 167.19 Mbit/s
95th percentile per-packet one-way delay: 19.633 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link

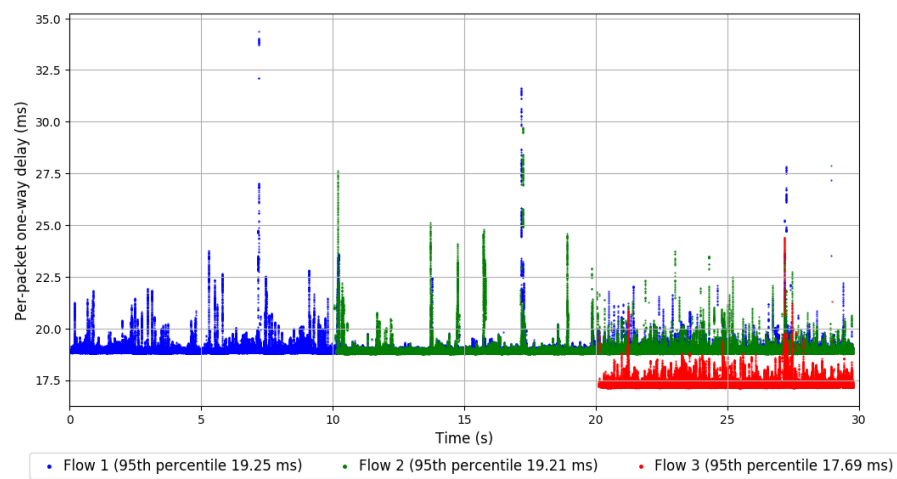
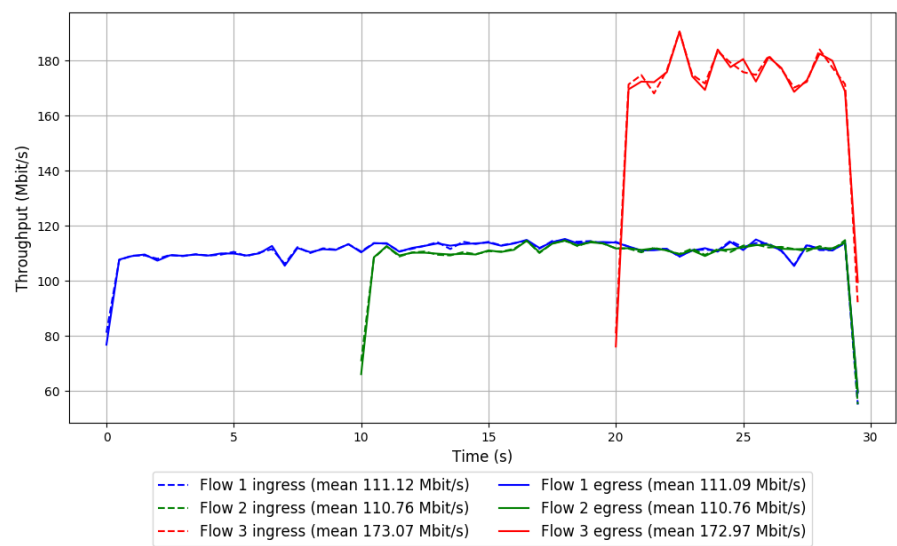


```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-05 22:47:17
End at: 2017-12-05 22:47:47
Local clock offset: 1.271 ms
Remote clock offset: -1.2 ms

# Below is generated by plot.py at 2017-12-06 05:05:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 240.67 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 111.09 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 110.76 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 172.97 Mbit/s
95th percentile per-packet one-way delay: 17.686 ms
Loss rate: 0.06%
```

Run 2: Report of Indigo-calib — Data Link

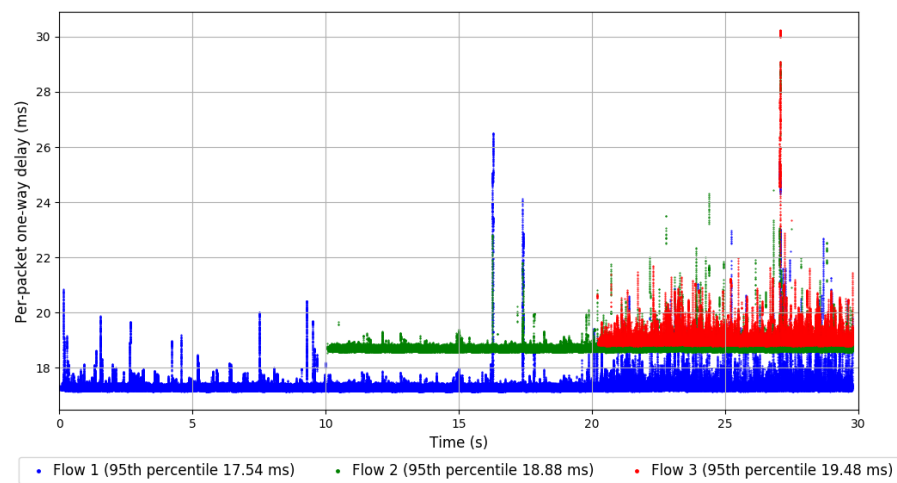
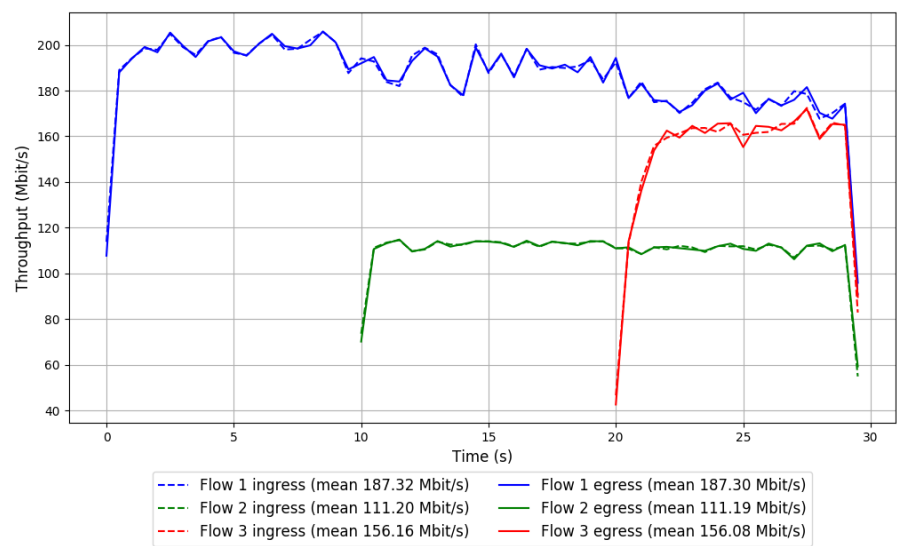


Run 3: Statistics of Indigo-calib

Start at: 2017-12-05 23:07:15
End at: 2017-12-05 23:07:45
Local clock offset: 1.098 ms
Remote clock offset: -1.446 ms

Below is generated by plot.py at 2017-12-06 05:07:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.19 Mbit/s
95th percentile per-packet one-way delay: 19.030 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 187.30 Mbit/s
95th percentile per-packet one-way delay: 17.543 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 111.19 Mbit/s
95th percentile per-packet one-way delay: 18.884 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 156.08 Mbit/s
95th percentile per-packet one-way delay: 19.477 ms
Loss rate: 0.05%

Run 3: Report of Indigo-calib — Data Link

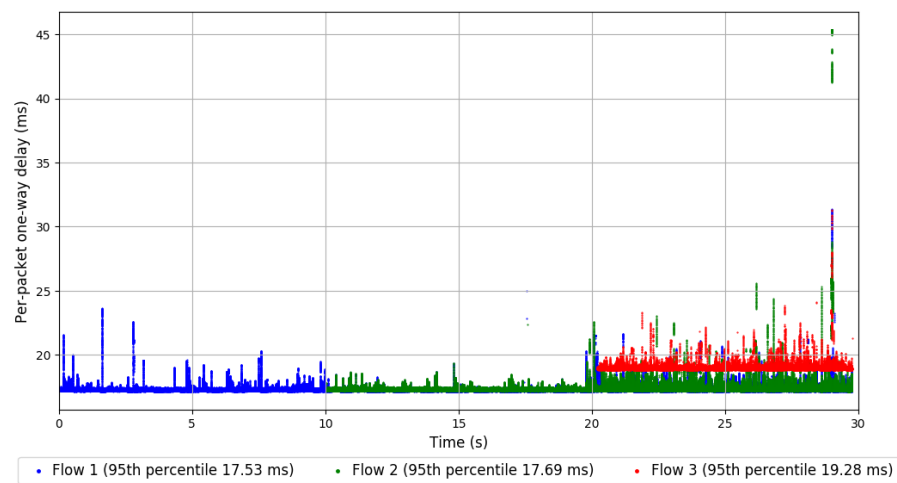
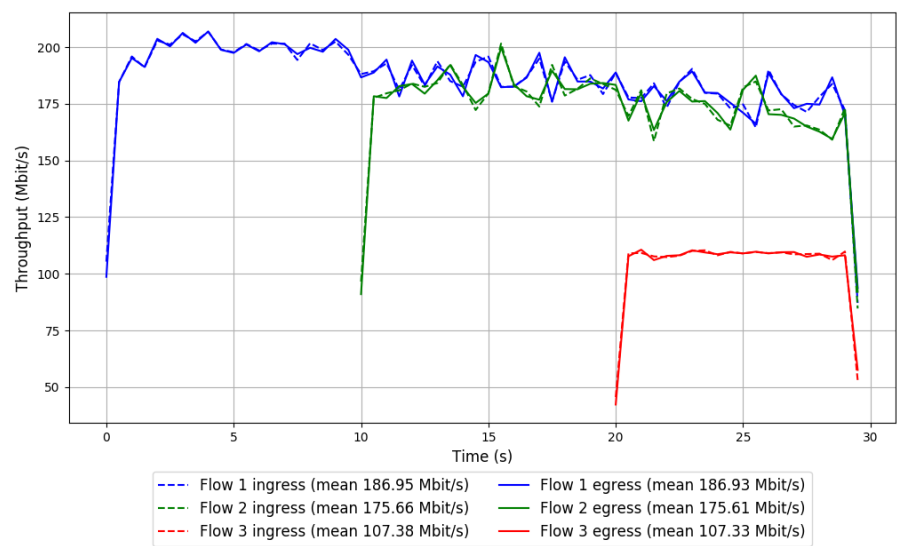


Run 4: Statistics of Indigo-calib

Start at: 2017-12-05 23:27:16
End at: 2017-12-05 23:27:46
Local clock offset: 0.793 ms
Remote clock offset: -1.248 ms

Below is generated by plot.py at 2017-12-06 05:08:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.96 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 186.93 Mbit/s
95th percentile per-packet one-way delay: 17.534 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 175.61 Mbit/s
95th percentile per-packet one-way delay: 17.686 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 107.33 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.03%

Run 4: Report of Indigo-calib — Data Link

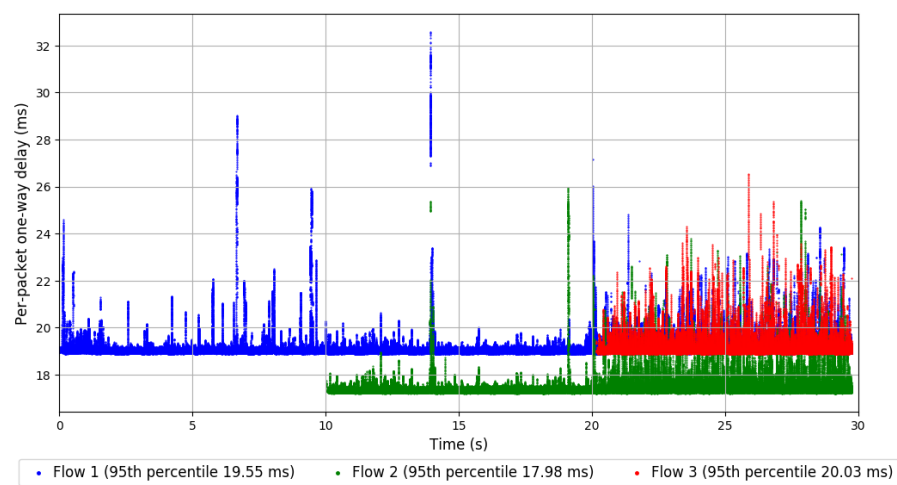
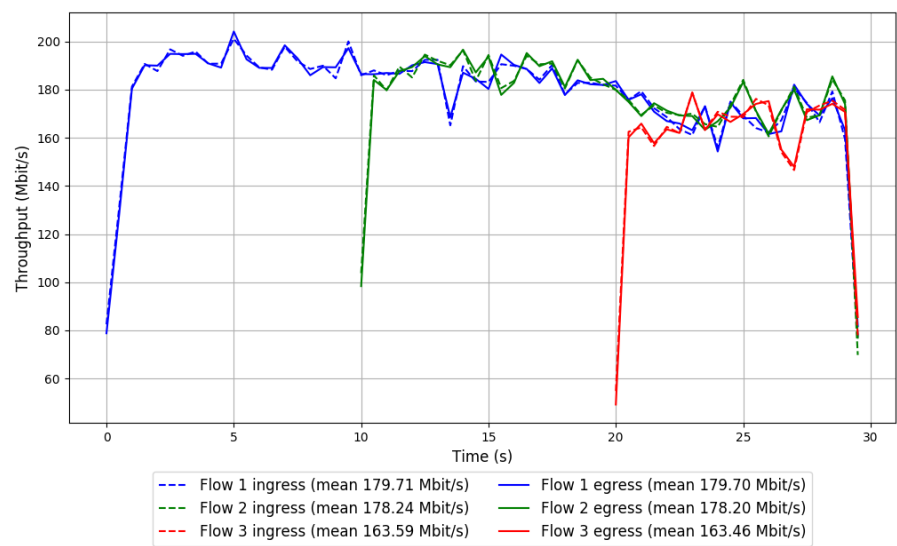


Run 5: Statistics of Indigo-calib

Start at: 2017-12-05 23:47:29
End at: 2017-12-05 23:47:59
Local clock offset: 0.534 ms
Remote clock offset: -1.056 ms

Below is generated by plot.py at 2017-12-06 05:08:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 350.45 Mbit/s
95th percentile per-packet one-way delay: 19.469 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 179.70 Mbit/s
95th percentile per-packet one-way delay: 19.551 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 178.20 Mbit/s
95th percentile per-packet one-way delay: 17.976 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 163.46 Mbit/s
95th percentile per-packet one-way delay: 20.028 ms
Loss rate: 0.05%

Run 5: Report of Indigo-calib — Data Link

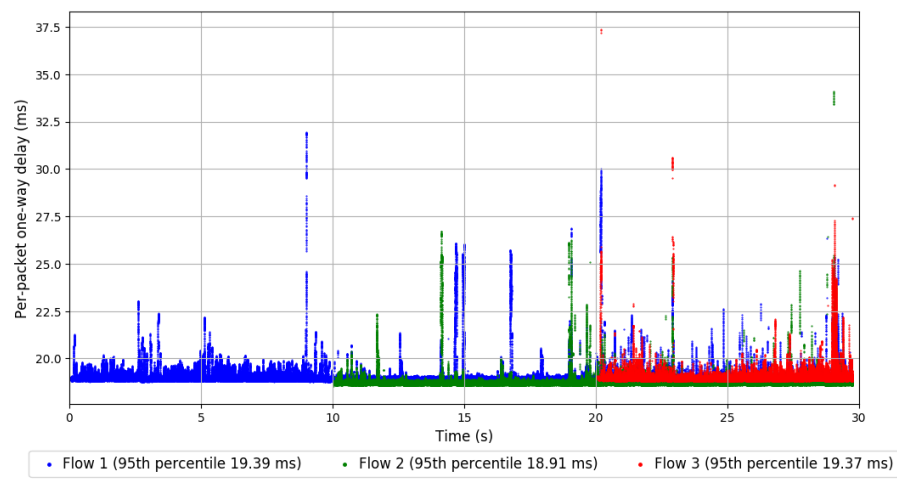
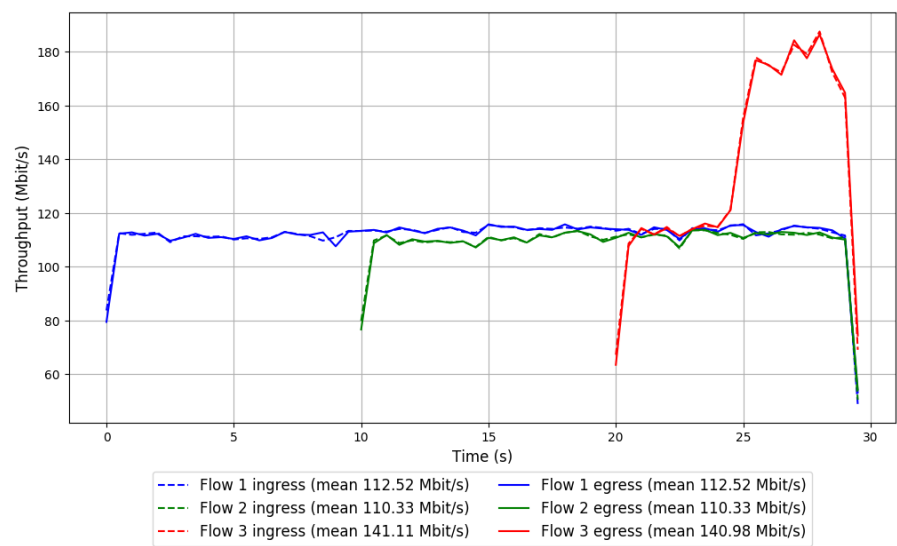


Run 6: Statistics of Indigo-calib

Start at: 2017-12-06 00:07:50
End at: 2017-12-06 00:08:20
Local clock offset: 0.446 ms
Remote clock offset: -1.074 ms

Below is generated by plot.py at 2017-12-06 05:08:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.54 Mbit/s
95th percentile per-packet one-way delay: 19.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.52 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 110.33 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 140.98 Mbit/s
95th percentile per-packet one-way delay: 19.373 ms
Loss rate: 0.01%

Run 6: Report of Indigo-calib — Data Link

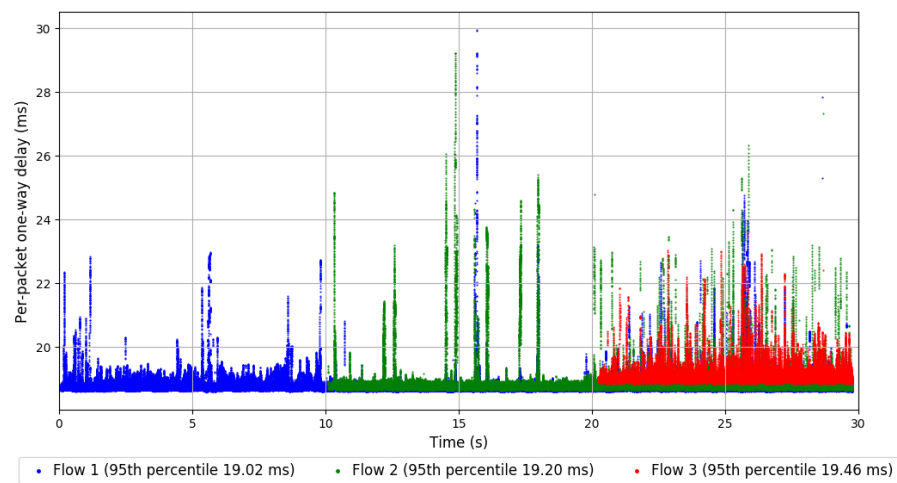
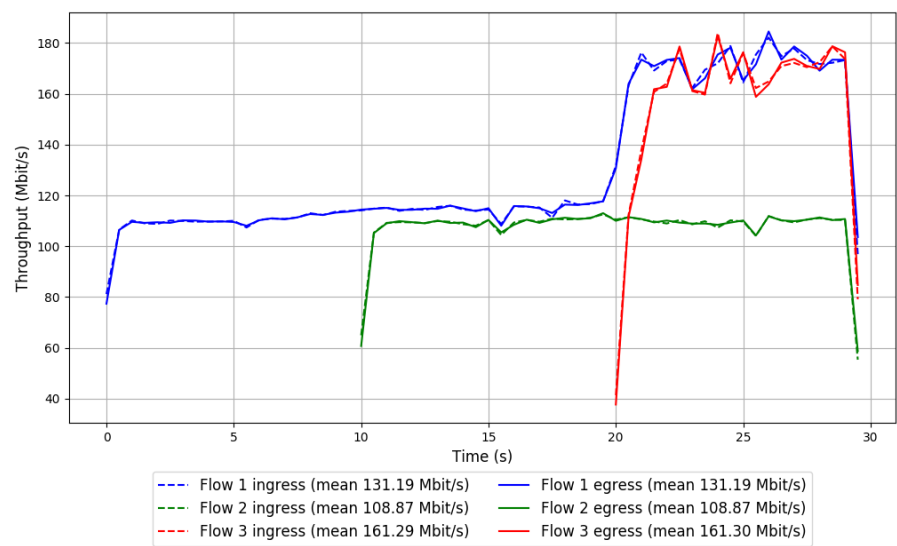


Run 7: Statistics of Indigo-calib

Start at: 2017-12-06 00:28:03
End at: 2017-12-06 00:28:33
Local clock offset: 0.526 ms
Remote clock offset: -0.852 ms

Below is generated by plot.py at 2017-12-06 05:08:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.99 Mbit/s
95th percentile per-packet one-way delay: 19.213 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 131.19 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.87 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.30 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.03%

Run 7: Report of Indigo-calib — Data Link

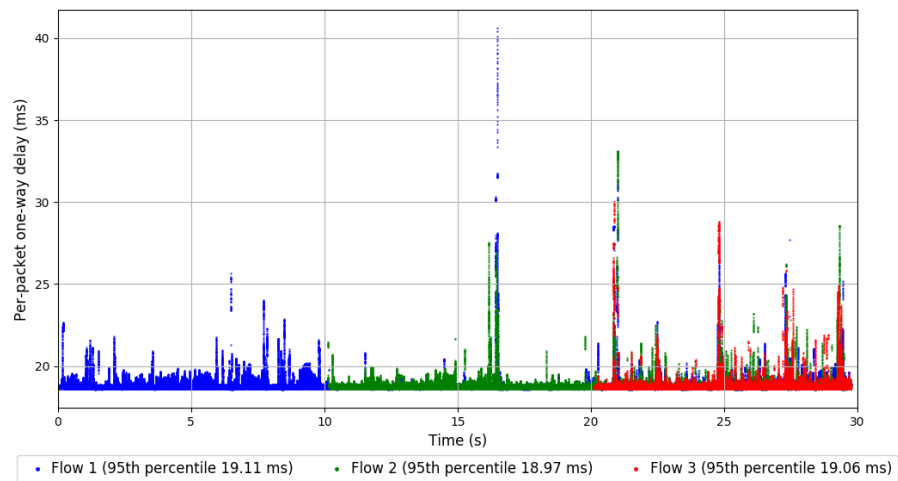
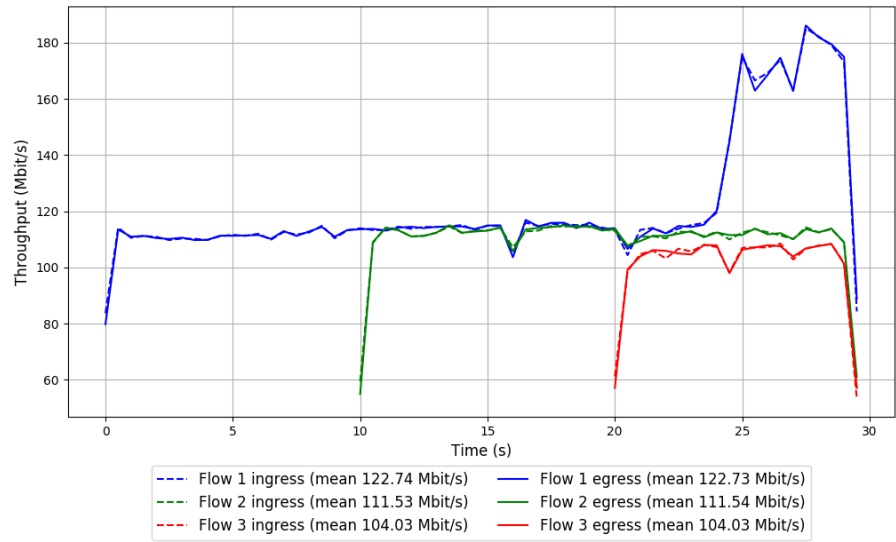


Run 8: Statistics of Indigo-calib

Start at: 2017-12-06 00:48:12
End at: 2017-12-06 00:48:42
Local clock offset: 0.781 ms
Remote clock offset: -0.676 ms

Below is generated by plot.py at 2017-12-06 05:08:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.16 Mbit/s
95th percentile per-packet one-way delay: 19.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.73 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 111.54 Mbit/s
95th percentile per-packet one-way delay: 18.971 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 104.03 Mbit/s
95th percentile per-packet one-way delay: 19.058 ms
Loss rate: 0.00%

Run 8: Report of Indigo-calib — Data Link

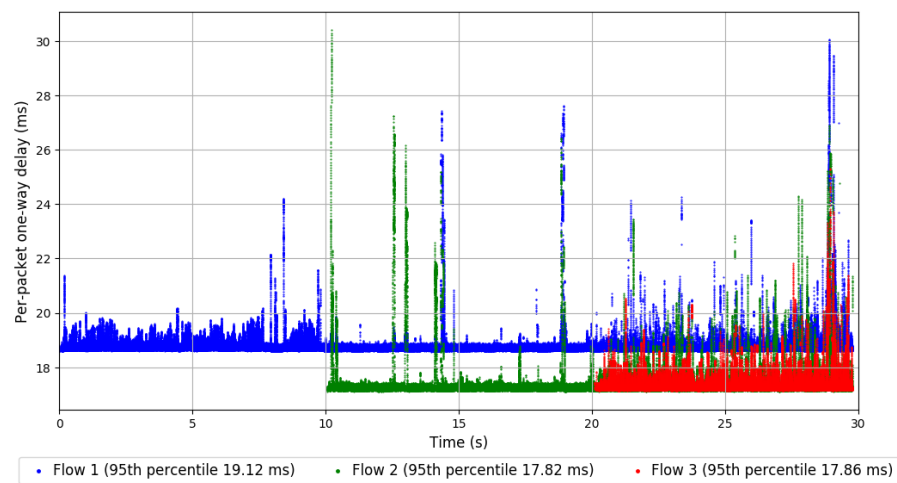
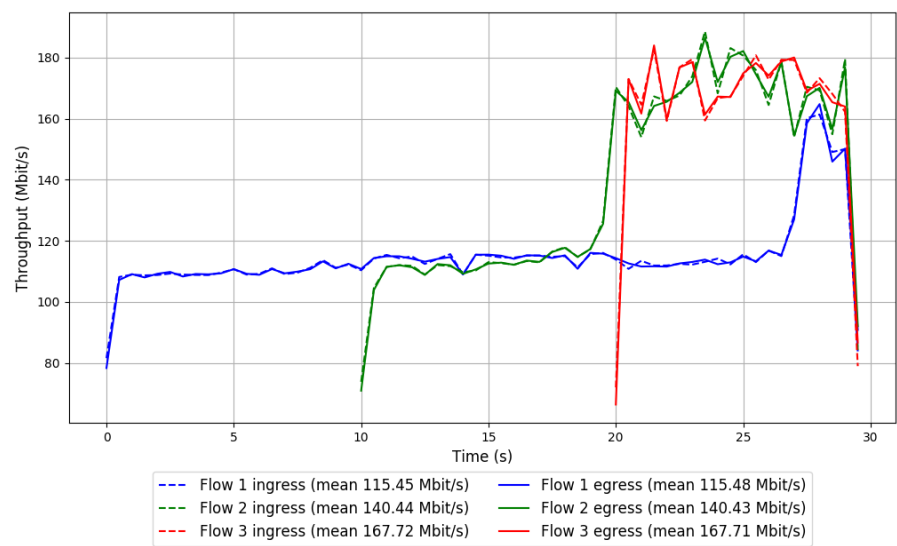


Run 9: Statistics of Indigo-calib

Start at: 2017-12-06 01:08:20
End at: 2017-12-06 01:08:50
Local clock offset: 1.093 ms
Remote clock offset: -0.673 ms

Below is generated by plot.py at 2017-12-06 05:08:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.98 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.48 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 140.43 Mbit/s
95th percentile per-packet one-way delay: 17.824 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 167.71 Mbit/s
95th percentile per-packet one-way delay: 17.865 ms
Loss rate: 0.00%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-06 01:28:34

End at: 2017-12-06 01:29:04

Local clock offset: 1.269 ms

Remote clock offset: -0.72 ms

Below is generated by plot.py at 2017-12-06 05:08:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.77 Mbit/s

95th percentile per-packet one-way delay: 19.014 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 188.11 Mbit/s

95th percentile per-packet one-way delay: 17.447 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 111.61 Mbit/s

95th percentile per-packet one-way delay: 19.085 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 107.98 Mbit/s

95th percentile per-packet one-way delay: 19.103 ms

Loss rate: 0.00%

Run 10: Report of Indigo-calib — Data Link

