

Pantheon Report

Generated at 2018-03-14 04:43:09 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

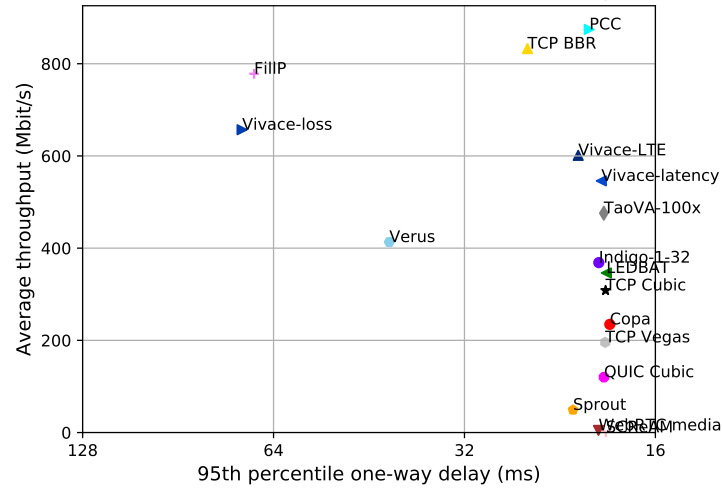
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

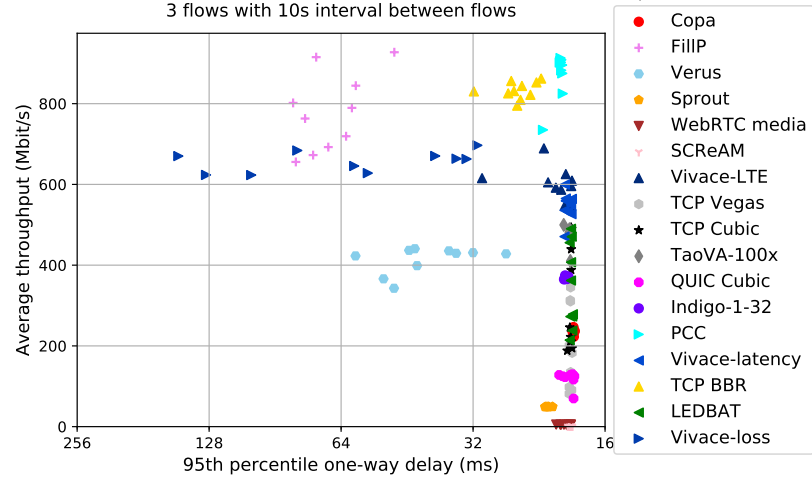
Git summary:

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

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



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



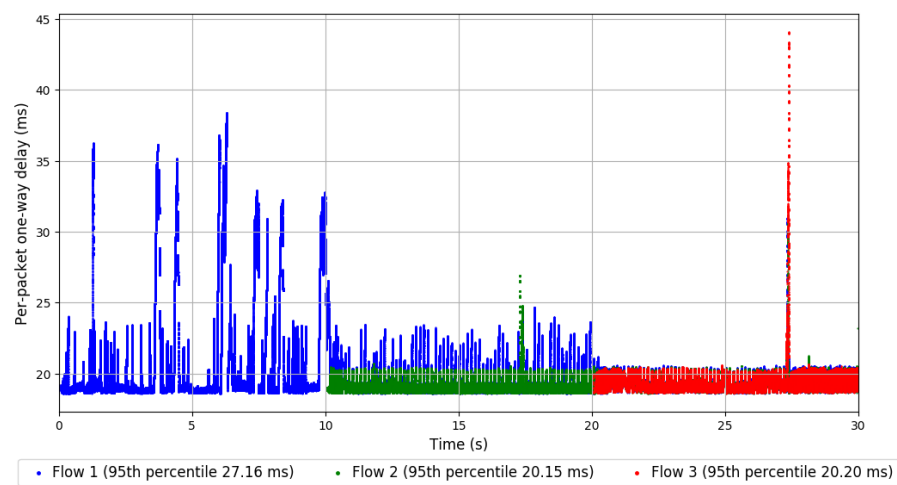
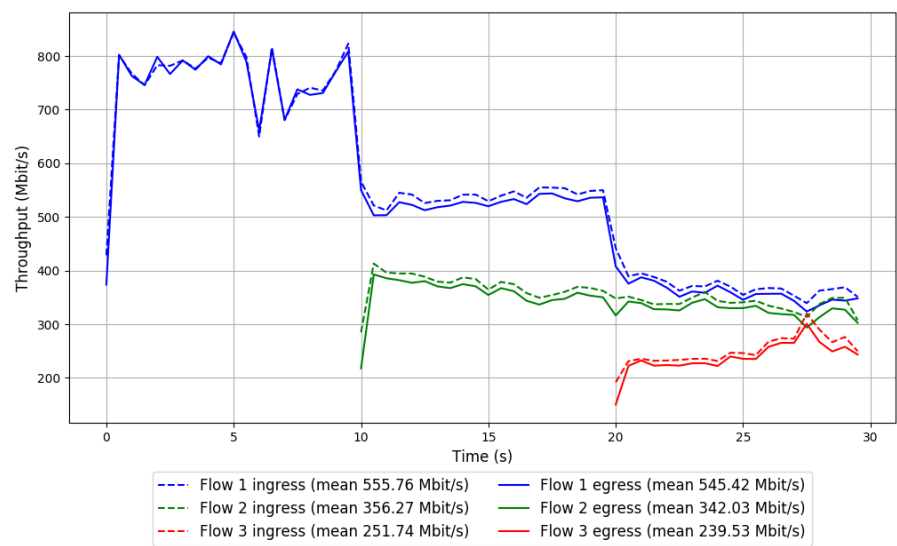
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	489.24	375.24	285.45	28.83	20.11	20.01	2.80	5.33	6.48
TCP Cubic	10	169.56	131.00	155.20	19.07	18.90	18.91	0.04	0.06	0.10
LEDBAT	10	193.39	163.60	132.24	18.89	19.01	18.92	0.02	0.03	0.03
PCC	10	771.21	132.28	46.64	20.27	20.24	19.80	0.37	0.39	0.46
QUIC Cubic	10	60.56	62.16	55.91	18.78	19.67	20.22	0.01	0.01	0.03
SCReAM	10	0.22	0.22	0.22	19.14	18.87	18.87	0.00	0.02	0.00
WebRTC media	10	2.26	1.65	0.75	20.13	19.61	20.17	0.02	0.02	0.01
Sprout	10	24.68	24.62	24.39	21.53	21.45	20.91	0.10	0.09	0.06
TaoVA-100x	10	240.52	237.27	232.98	18.81	19.39	19.90	0.01	0.01	0.02
TCP Vegas	10	105.74	86.64	97.04	18.98	18.84	19.14	0.05	0.09	0.09
Verus	10	215.53	209.41	177.28	46.43	33.81	36.03	15.71	14.71	15.94
Copa	10	114.91	117.25	125.78	18.72	18.75	18.48	0.01	0.01	0.01
FillP	10	470.04	329.67	269.69	55.81	64.66	47.90	8.53	12.70	14.37
Indigo-1-32	10	191.00	183.93	174.01	19.28	19.55	20.33	0.02	0.02	0.04
Vivace-latency	10	321.33	283.15	110.20	19.30	19.66	19.33	0.08	0.17	0.17
Vivace-loss	10	376.17	330.68	184.78	69.42	70.19	21.32	0.86	1.29	1.59
Vivace-LTE	10	358.18	308.38	115.85	22.35	20.05	19.61	0.22	0.16	0.35

Run 1: Statistics of TCP BBR

Start at: 2018-03-13 19:07:02
End at: 2018-03-13 19:07:32
Local clock offset: 1.208 ms
Remote clock offset: -5.302 ms

Below is generated by plot.py at 2018-03-14 02:39:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 852.65 Mbit/s
95th percentile per-packet one-way delay: 22.942 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 545.42 Mbit/s
95th percentile per-packet one-way delay: 27.164 ms
Loss rate: 1.86%
-- Flow 2:
Average throughput: 342.03 Mbit/s
95th percentile per-packet one-way delay: 20.153 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 239.53 Mbit/s
95th percentile per-packet one-way delay: 20.200 ms
Loss rate: 4.85%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-03-13 19:36:59

End at: 2018-03-13 19:37:29

Local clock offset: 0.909 ms

Remote clock offset: -4.86 ms

Below is generated by plot.py at 2018-03-14 02:39:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 843.91 Mbit/s

95th percentile per-packet one-way delay: 24.759 ms

Loss rate: 4.12%

-- Flow 1:

Average throughput: 435.10 Mbit/s

95th percentile per-packet one-way delay: 30.046 ms

Loss rate: 2.81%

-- Flow 2:

Average throughput: 429.37 Mbit/s

95th percentile per-packet one-way delay: 21.808 ms

Loss rate: 4.24%

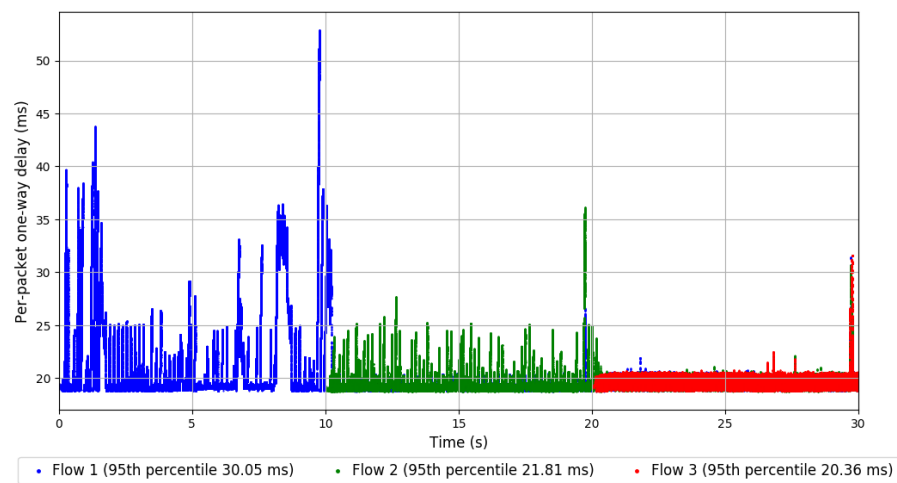
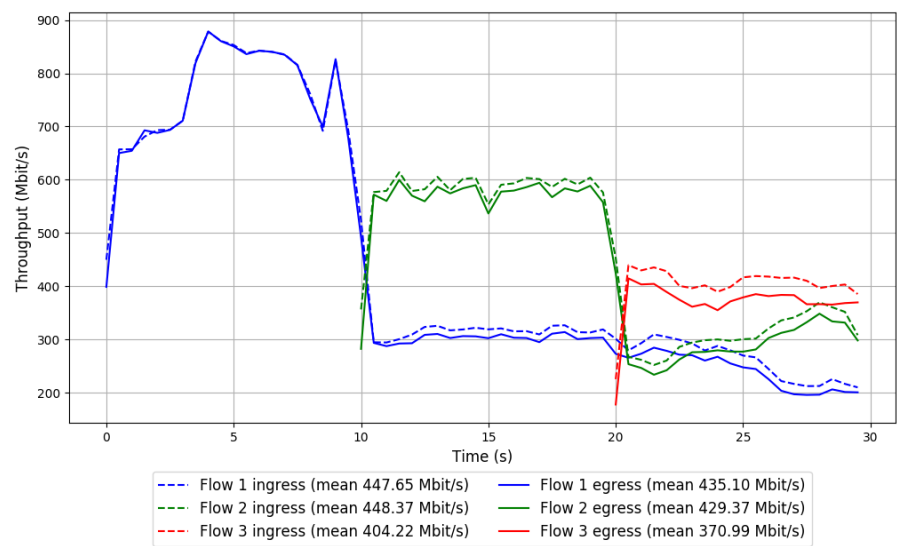
-- Flow 3:

Average throughput: 370.99 Mbit/s

95th percentile per-packet one-way delay: 20.364 ms

Loss rate: 8.22%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-13 20:06:25

End at: 2018-03-13 20:06:55

Local clock offset: 0.8 ms

Remote clock offset: -5.82 ms

Below is generated by plot.py at 2018-03-14 02:39:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 862.12 Mbit/s

95th percentile per-packet one-way delay: 22.382 ms

Loss rate: 4.32%

-- Flow 1:

Average throughput: 489.41 Mbit/s

95th percentile per-packet one-way delay: 24.131 ms

Loss rate: 3.15%

-- Flow 2:

Average throughput: 411.06 Mbit/s

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

Loss rate: 5.37%

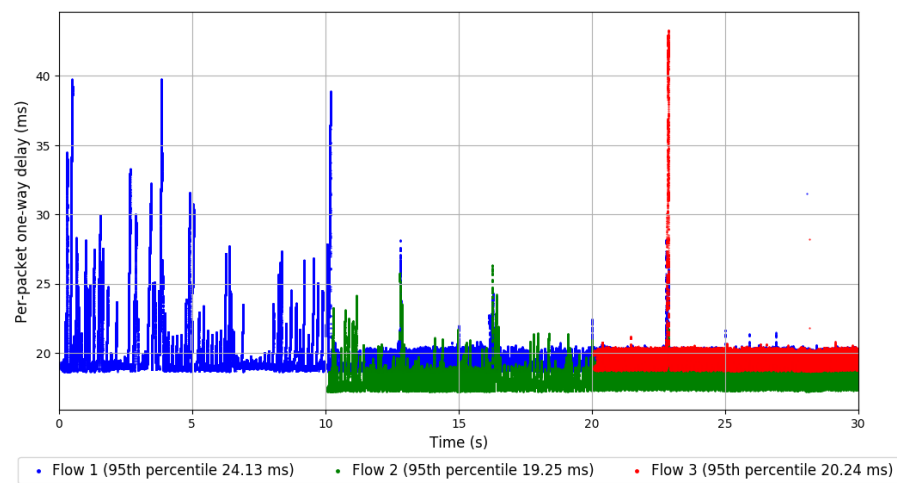
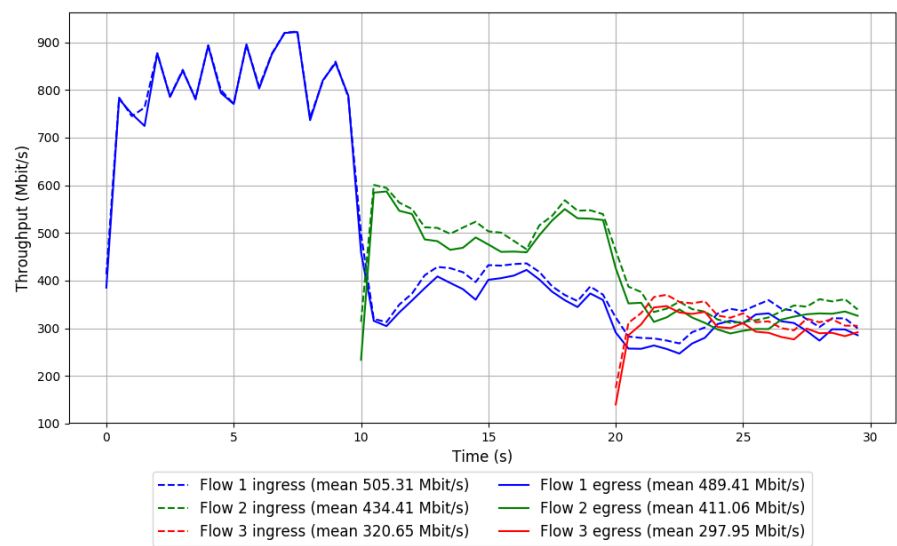
-- Flow 3:

Average throughput: 297.95 Mbit/s

95th percentile per-packet one-way delay: 20.236 ms

Loss rate: 7.08%

Run 3: Report of TCP BBR — Data Link

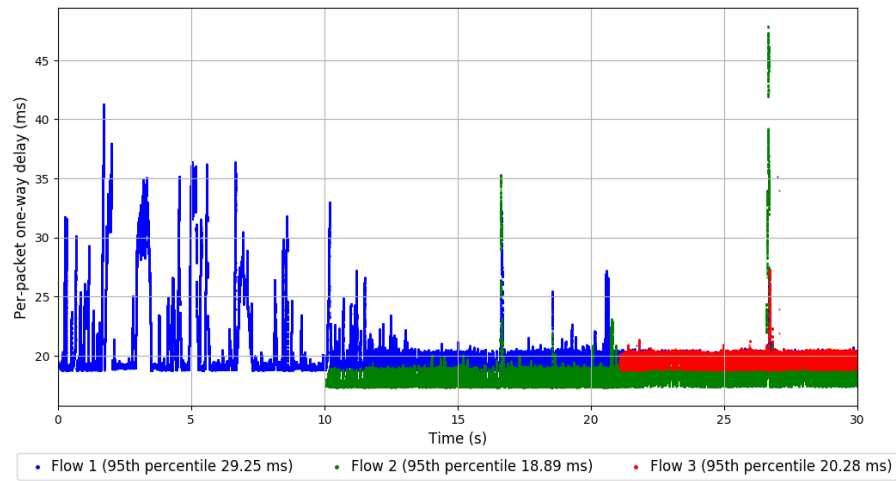
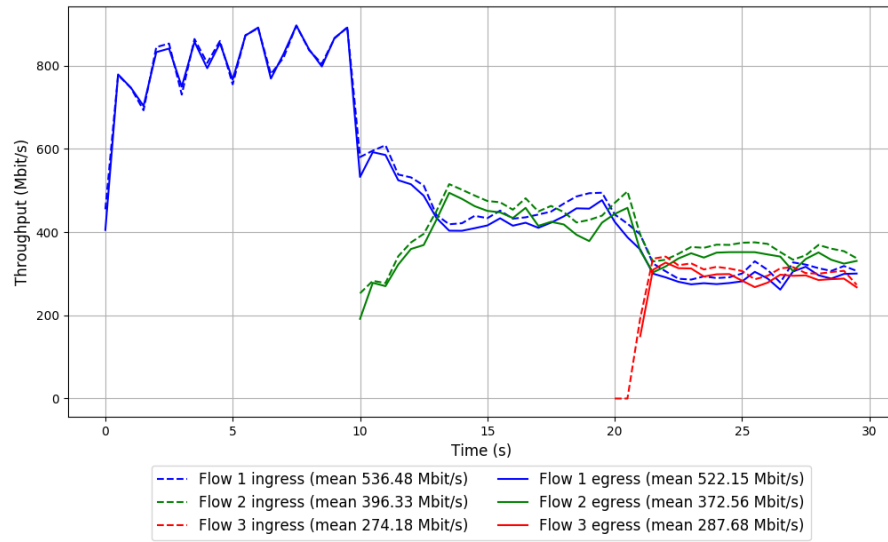


Run 4: Statistics of TCP BBR

Start at: 2018-03-13 20:35:51
End at: 2018-03-13 20:36:21
Local clock offset: 0.999 ms
Remote clock offset: -6.227 ms

Below is generated by plot.py at 2018-03-14 02:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 856.13 Mbit/s
95th percentile per-packet one-way delay: 26.188 ms
Loss rate: 3.96%
-- Flow 1:
Average throughput: 522.15 Mbit/s
95th percentile per-packet one-way delay: 29.246 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 372.56 Mbit/s
95th percentile per-packet one-way delay: 18.894 ms
Loss rate: 5.99%
-- Flow 3:
Average throughput: 287.68 Mbit/s
95th percentile per-packet one-way delay: 20.282 ms
Loss rate: 5.66%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-03-13 21:05:25

End at: 2018-03-13 21:05:55

Local clock offset: 0.987 ms

Remote clock offset: -6.25 ms

Below is generated by plot.py at 2018-03-14 02:39:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 821.91 Mbit/s

95th percentile per-packet one-way delay: 23.682 ms

Loss rate: 4.51%

-- Flow 1:

Average throughput: 454.46 Mbit/s

95th percentile per-packet one-way delay: 26.608 ms

Loss rate: 3.12%

-- Flow 2:

Average throughput: 450.03 Mbit/s

95th percentile per-packet one-way delay: 19.270 ms

Loss rate: 5.83%

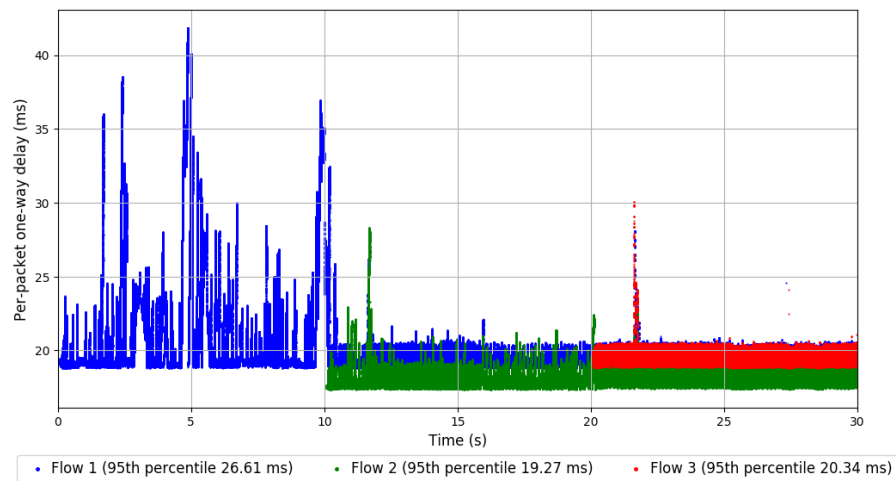
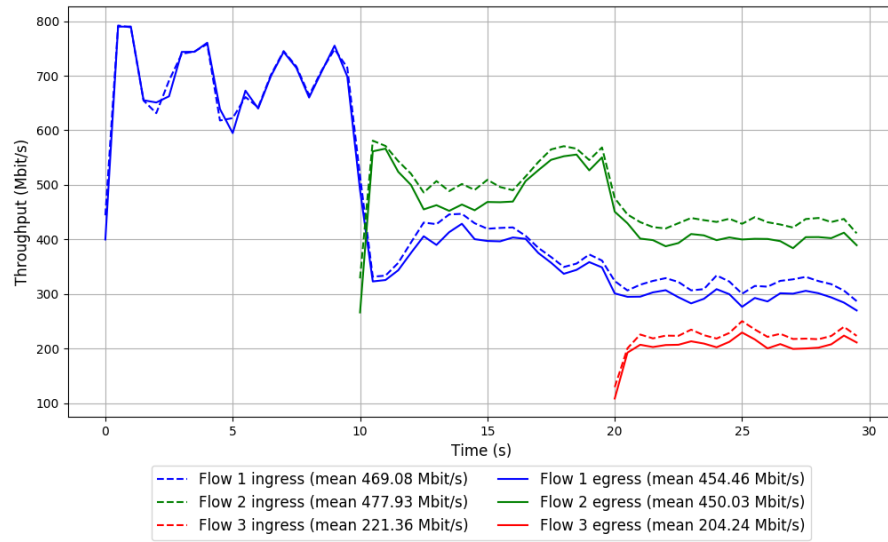
-- Flow 3:

Average throughput: 204.24 Mbit/s

95th percentile per-packet one-way delay: 20.341 ms

Loss rate: 7.73%

Run 5: Report of TCP BBR — Data Link

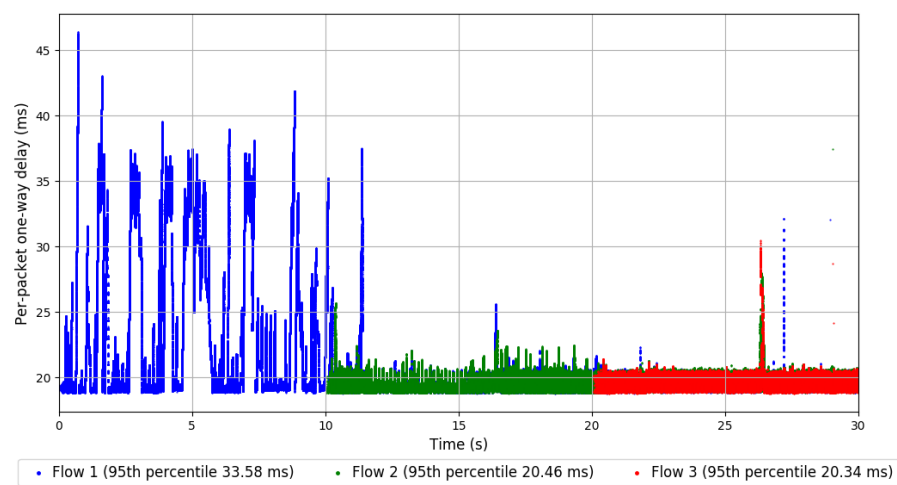
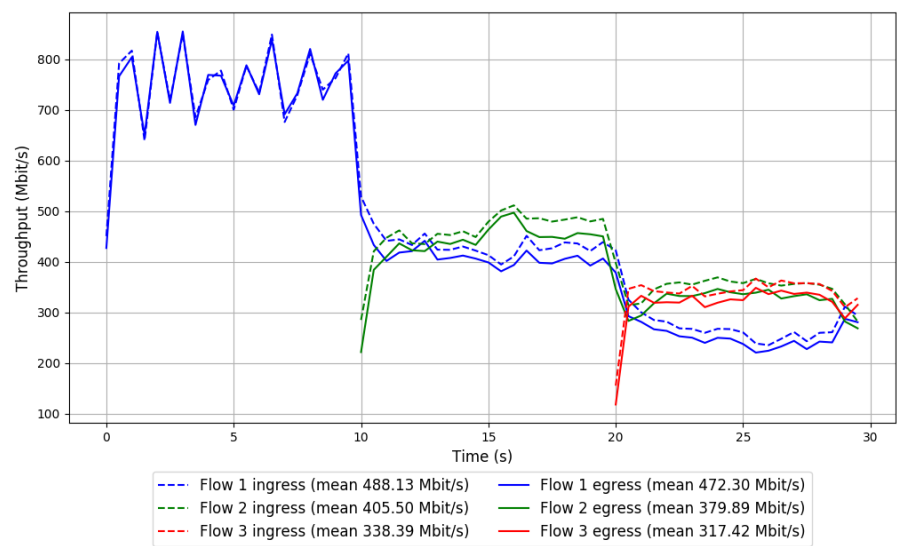


Run 6: Statistics of TCP BBR

Start at: 2018-03-13 21:34:30
End at: 2018-03-13 21:35:00
Local clock offset: 0.857 ms
Remote clock offset: -6.086 ms

Below is generated by plot.py at 2018-03-14 02:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 830.42 Mbit/s
95th percentile per-packet one-way delay: 31.872 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 472.30 Mbit/s
95th percentile per-packet one-way delay: 33.584 ms
Loss rate: 3.25%
-- Flow 2:
Average throughput: 379.89 Mbit/s
95th percentile per-packet one-way delay: 20.463 ms
Loss rate: 6.32%
-- Flow 3:
Average throughput: 317.42 Mbit/s
95th percentile per-packet one-way delay: 20.337 ms
Loss rate: 6.20%

Run 6: Report of TCP BBR — Data Link

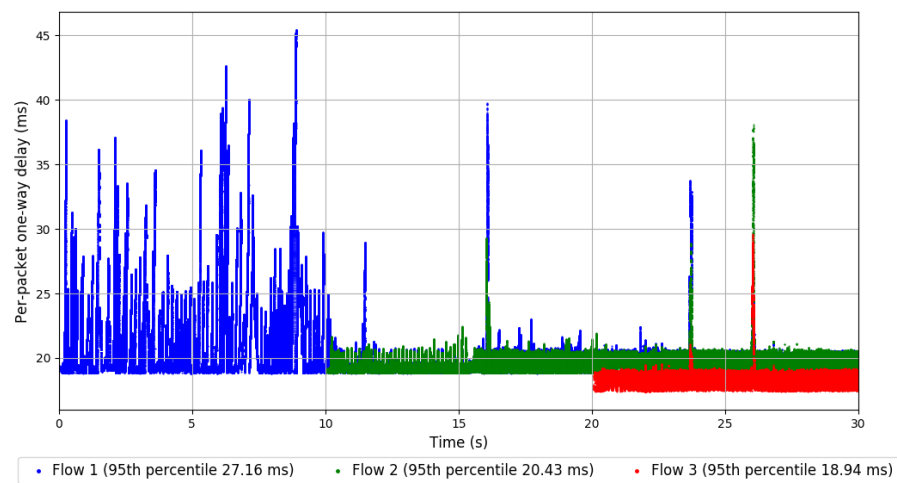
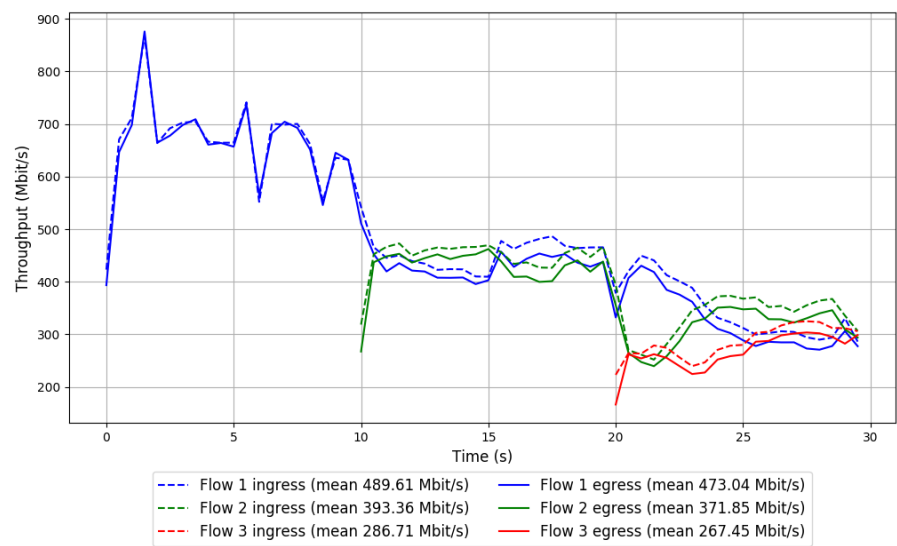


Run 7: Statistics of TCP BBR

Start at: 2018-03-13 22:03:30
End at: 2018-03-13 22:04:00
Local clock offset: 0.374 ms
Remote clock offset: -6.196 ms

Below is generated by plot.py at 2018-03-14 02:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 809.39 Mbit/s
95th percentile per-packet one-way delay: 24.947 ms
Loss rate: 4.40%
-- Flow 1:
Average throughput: 473.04 Mbit/s
95th percentile per-packet one-way delay: 27.161 ms
Loss rate: 3.38%
-- Flow 2:
Average throughput: 371.85 Mbit/s
95th percentile per-packet one-way delay: 20.429 ms
Loss rate: 5.47%
-- Flow 3:
Average throughput: 267.45 Mbit/s
95th percentile per-packet one-way delay: 18.937 ms
Loss rate: 6.72%

Run 7: Report of TCP BBR — Data Link

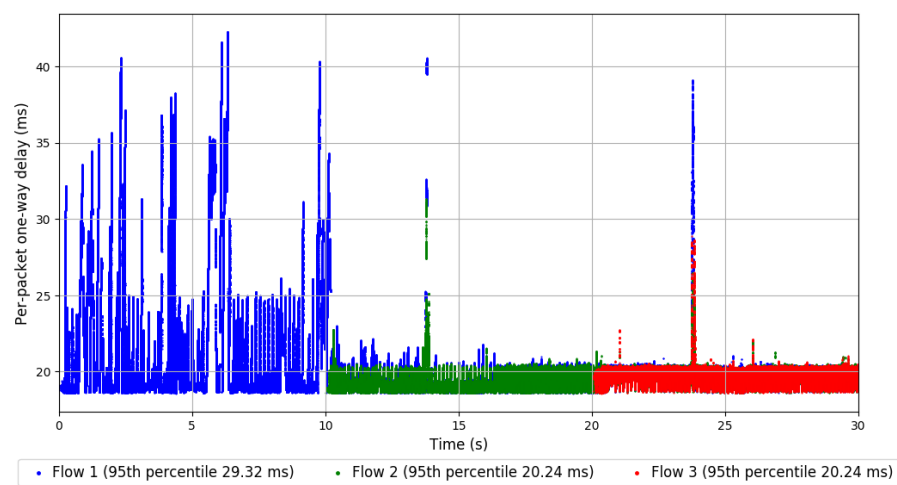
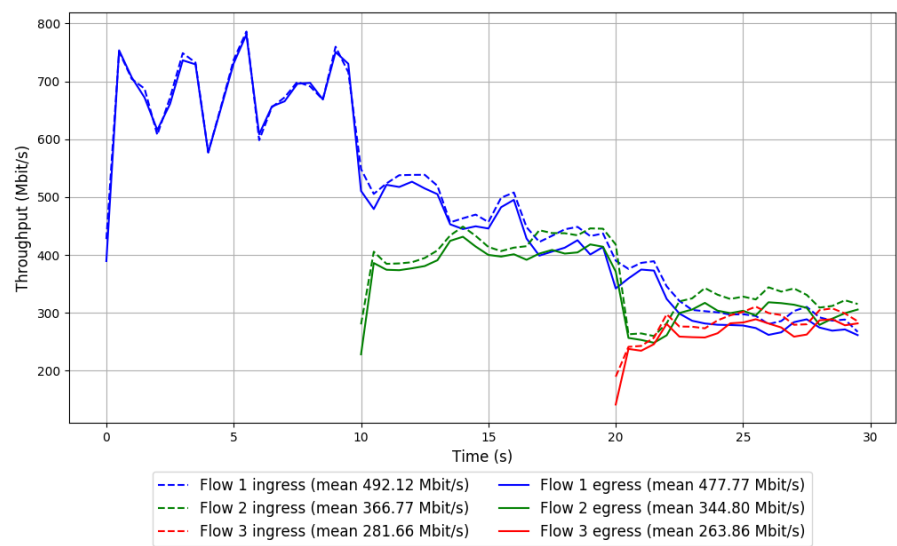


Run 8: Statistics of TCP BBR

Start at: 2018-03-13 22:32:42
End at: 2018-03-13 22:33:12
Local clock offset: 0.661 ms
Remote clock offset: -6.157 ms

Below is generated by plot.py at 2018-03-14 02:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 795.08 Mbit/s
95th percentile per-packet one-way delay: 25.380 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 477.77 Mbit/s
95th percentile per-packet one-way delay: 29.322 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 344.80 Mbit/s
95th percentile per-packet one-way delay: 20.243 ms
Loss rate: 5.98%
-- Flow 3:
Average throughput: 263.86 Mbit/s
95th percentile per-packet one-way delay: 20.239 ms
Loss rate: 6.31%

Run 8: Report of TCP BBR — Data Link

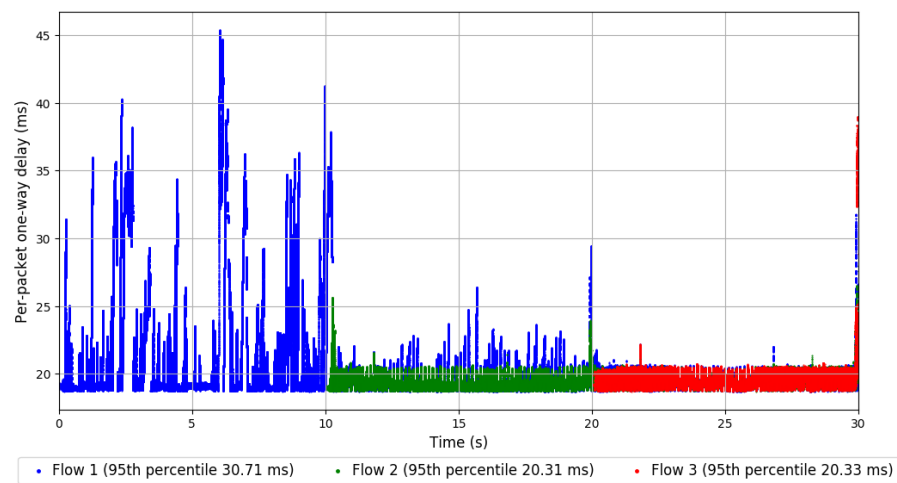
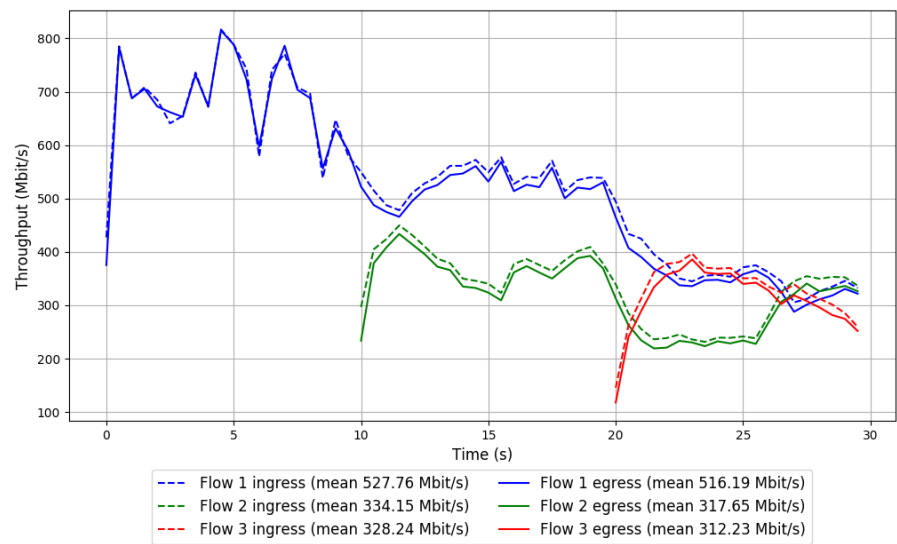


Run 9: Statistics of TCP BBR

Start at: 2018-03-13 23:01:35
End at: 2018-03-13 23:02:05
Local clock offset: 0.49 ms
Remote clock offset: -4.186 ms

Below is generated by plot.py at 2018-03-14 02:50:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 831.24 Mbit/s
95th percentile per-packet one-way delay: 25.818 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 516.19 Mbit/s
95th percentile per-packet one-way delay: 30.711 ms
Loss rate: 2.19%
-- Flow 2:
Average throughput: 317.65 Mbit/s
95th percentile per-packet one-way delay: 20.314 ms
Loss rate: 4.92%
-- Flow 3:
Average throughput: 312.23 Mbit/s
95th percentile per-packet one-way delay: 20.332 ms
Loss rate: 4.81%

Run 9: Report of TCP BBR — Data Link

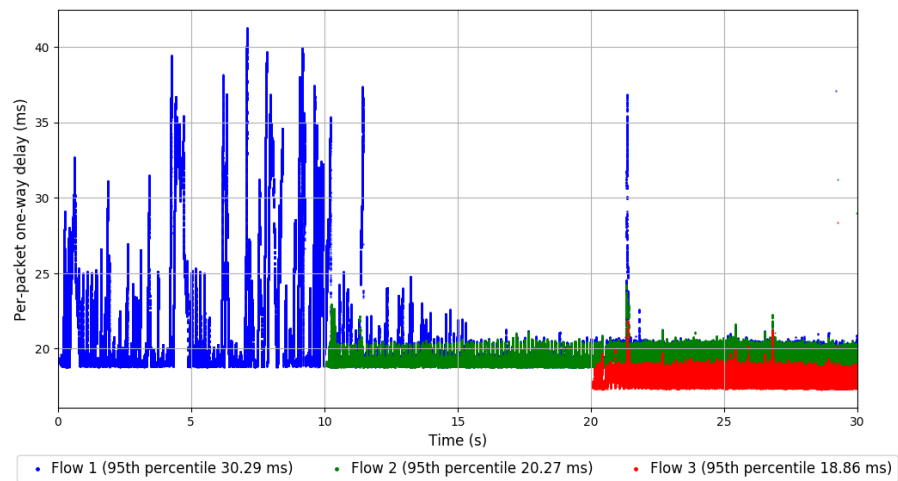
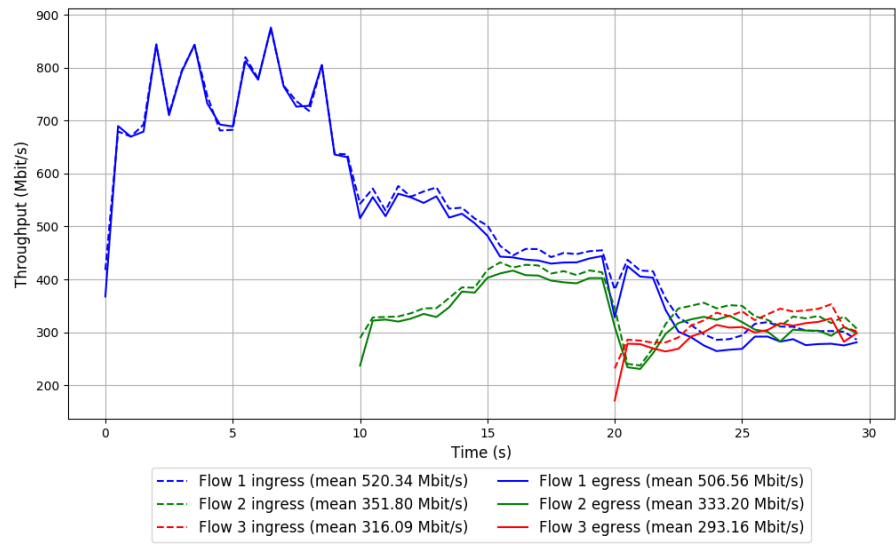


Run 10: Statistics of TCP BBR

Start at: 2018-03-13 23:31:03
End at: 2018-03-13 23:31:33
Local clock offset: 0.413 ms
Remote clock offset: -3.234 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 825.53 Mbit/s
95th percentile per-packet one-way delay: 26.610 ms
Loss rate: 3.93%
-- Flow 1:
Average throughput: 506.56 Mbit/s
95th percentile per-packet one-way delay: 30.292 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 333.20 Mbit/s
95th percentile per-packet one-way delay: 20.265 ms
Loss rate: 5.24%
-- Flow 3:
Average throughput: 293.16 Mbit/s
95th percentile per-packet one-way delay: 18.862 ms
Loss rate: 7.26%

Run 10: Report of TCP BBR — Data Link

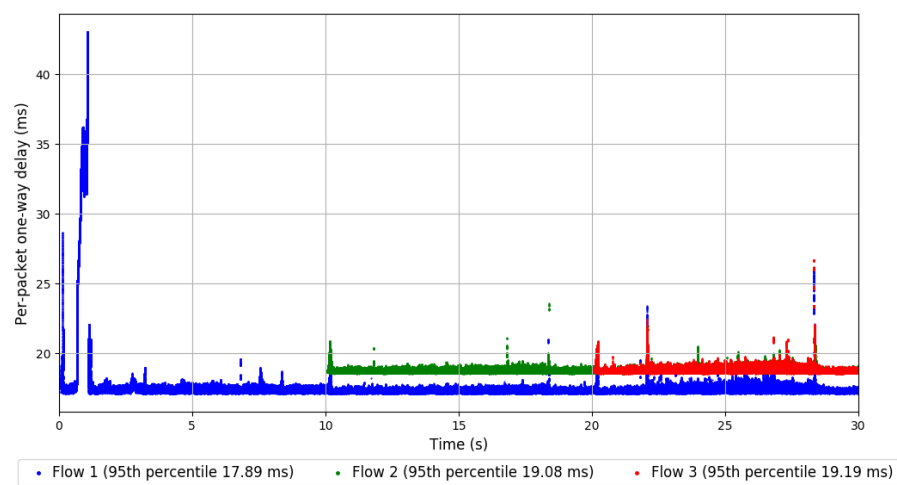
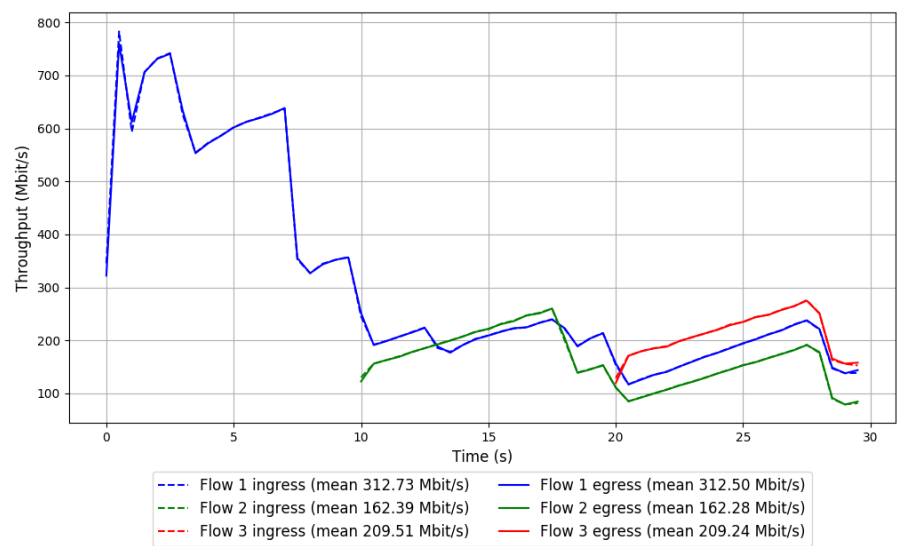


Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 19:11:01
End at: 2018-03-13 19:11:31
Local clock offset: 1.192 ms
Remote clock offset: -5.359 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.01 Mbit/s
95th percentile per-packet one-way delay: 19.072 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 312.50 Mbit/s
95th percentile per-packet one-way delay: 17.893 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 162.28 Mbit/s
95th percentile per-packet one-way delay: 19.081 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 209.24 Mbit/s
95th percentile per-packet one-way delay: 19.186 ms
Loss rate: 0.13%

Run 1: Report of TCP Cubic — Data Link

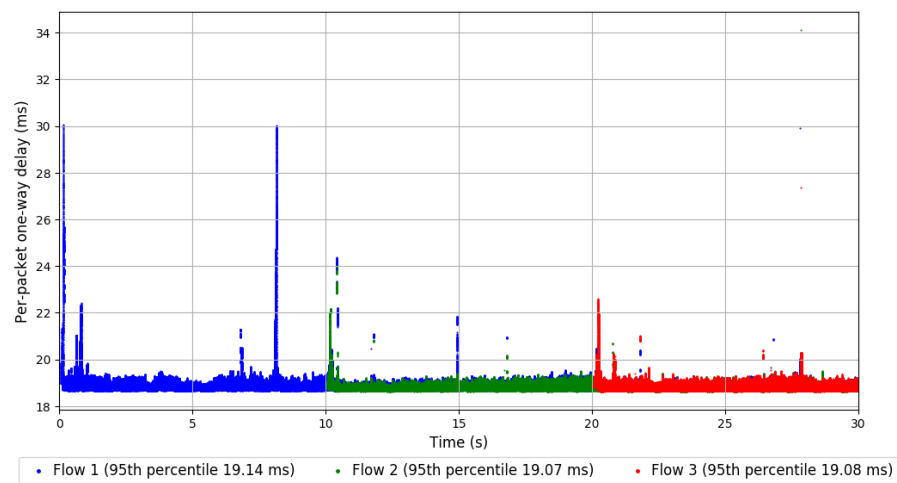
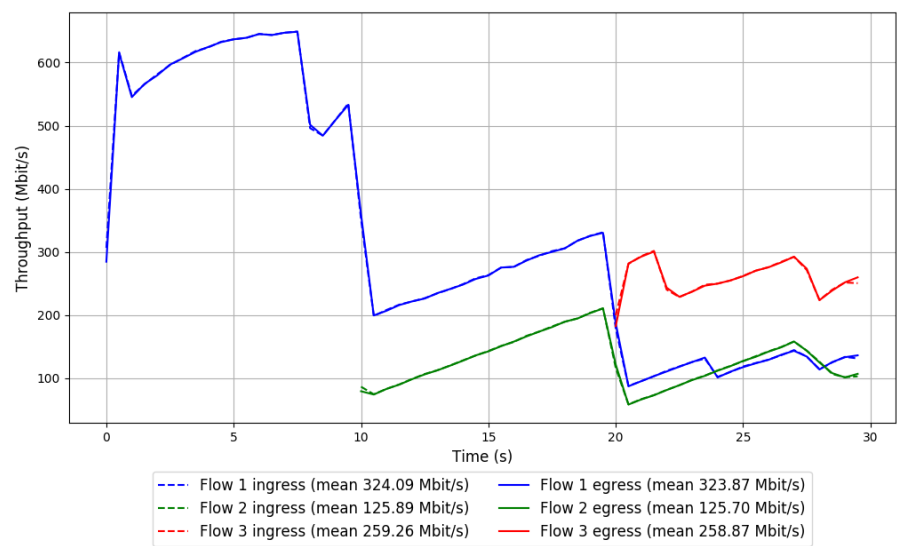


Run 2: Statistics of TCP Cubic

Start at: 2018-03-13 19:40:58
End at: 2018-03-13 19:41:28
Local clock offset: 0.93 ms
Remote clock offset: -4.841 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 493.51 Mbit/s
95th percentile per-packet one-way delay: 19.122 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 323.87 Mbit/s
95th percentile per-packet one-way delay: 19.141 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 125.70 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 258.87 Mbit/s
95th percentile per-packet one-way delay: 19.077 ms
Loss rate: 0.15%

Run 2: Report of TCP Cubic — Data Link

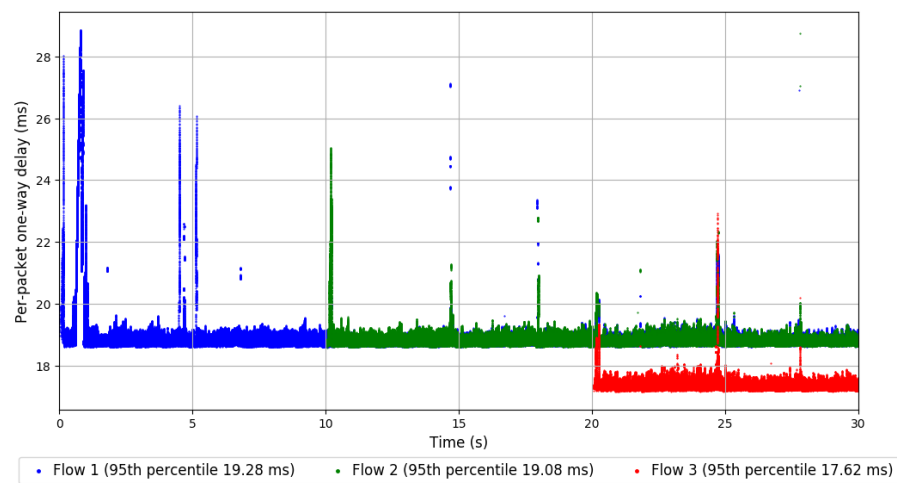
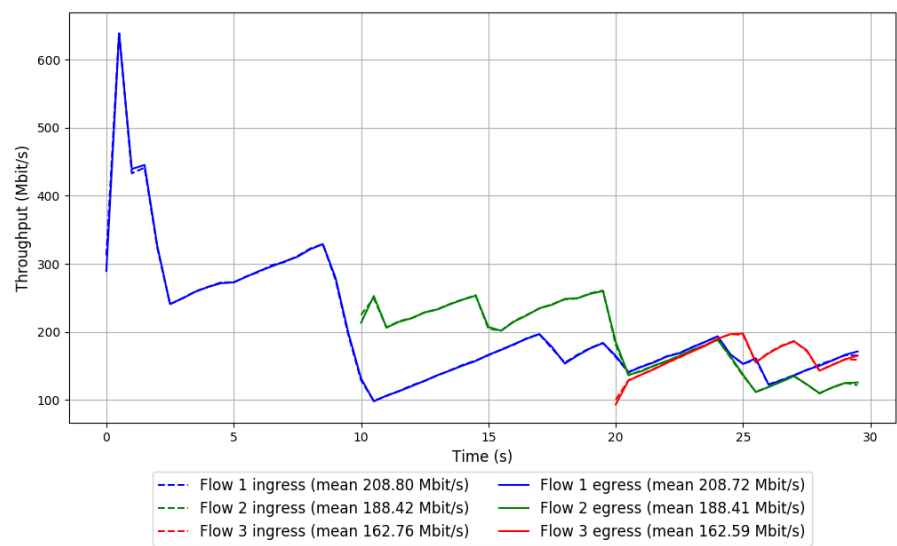


Run 3: Statistics of TCP Cubic

Start at: 2018-03-13 20:10:13
End at: 2018-03-13 20:10:43
Local clock offset: 0.787 ms
Remote clock offset: -6.018 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 388.13 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 208.72 Mbit/s
95th percentile per-packet one-way delay: 19.279 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 188.41 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 162.59 Mbit/s
95th percentile per-packet one-way delay: 17.620 ms
Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

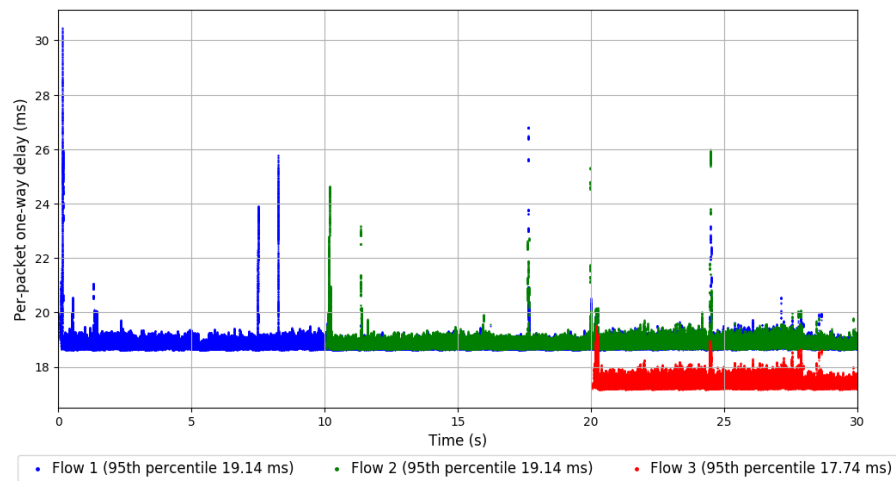
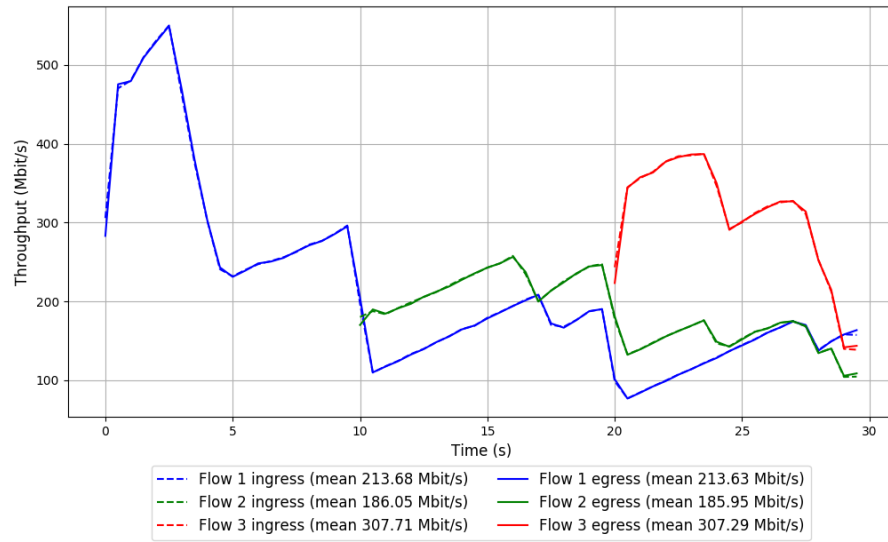


Run 4: Statistics of TCP Cubic

Start at: 2018-03-13 20:39:36
End at: 2018-03-13 20:40:06
Local clock offset: 1.084 ms
Remote clock offset: -6.304 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 439.49 Mbit/s
95th percentile per-packet one-way delay: 19.116 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 213.63 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 185.95 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 307.29 Mbit/s
95th percentile per-packet one-way delay: 17.741 ms
Loss rate: 0.13%

Run 4: Report of TCP Cubic — Data Link

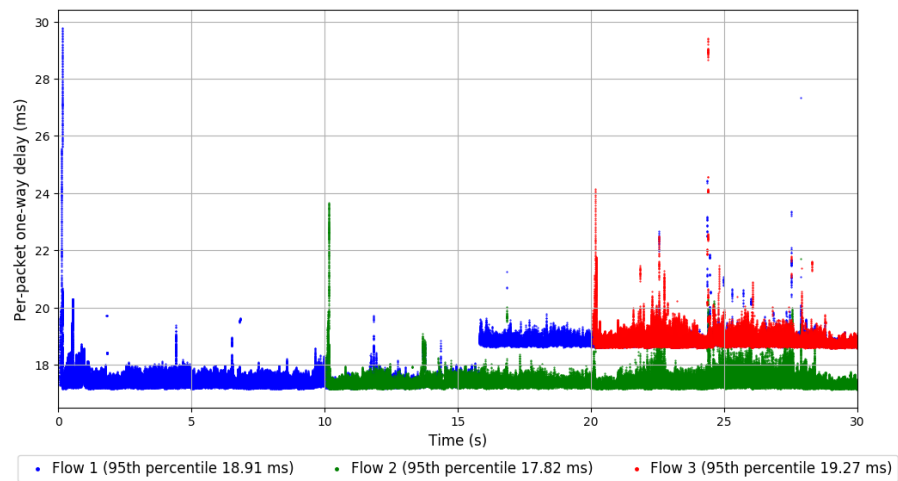
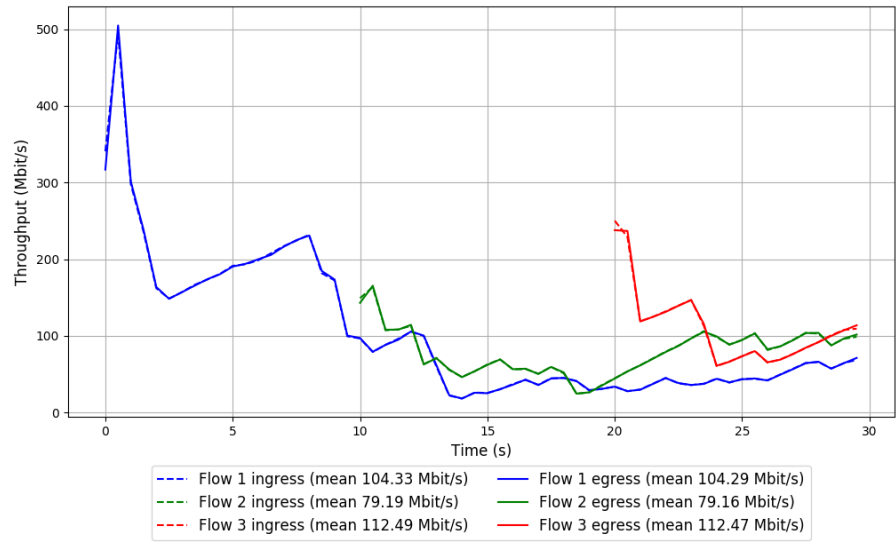


Run 5: Statistics of TCP Cubic

Start at: 2018-03-13 21:09:13
End at: 2018-03-13 21:09:43
Local clock offset: 1.039 ms
Remote clock offset: -6.264 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.36 Mbit/s
95th percentile per-packet one-way delay: 19.021 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 104.29 Mbit/s
95th percentile per-packet one-way delay: 18.906 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 17.818 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 112.47 Mbit/s
95th percentile per-packet one-way delay: 19.274 ms
Loss rate: 0.02%

Run 5: Report of TCP Cubic — Data Link

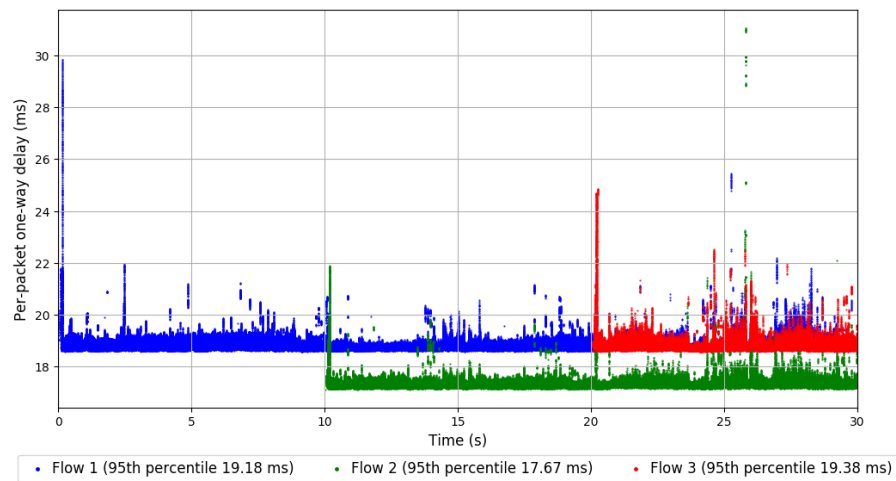
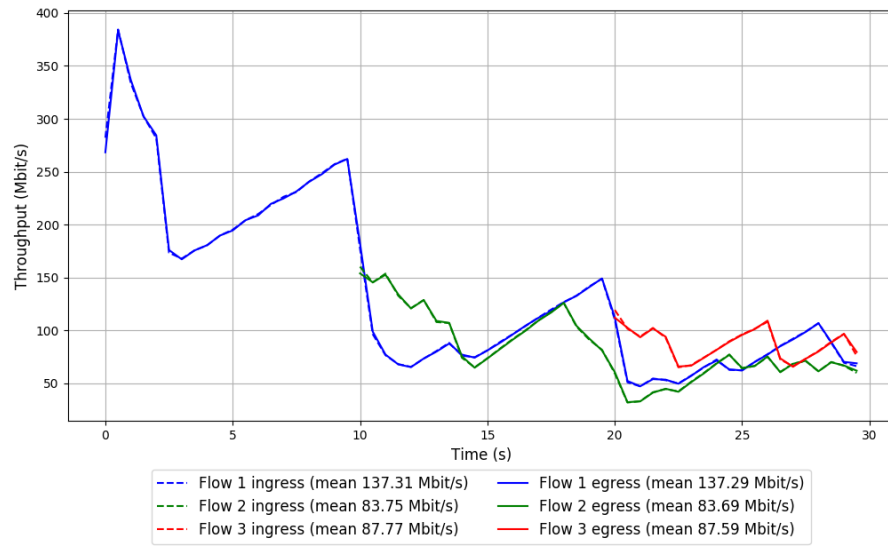


Run 6: Statistics of TCP Cubic

Start at: 2018-03-13 21:38:18
End at: 2018-03-13 21:38:48
Local clock offset: 0.844 ms
Remote clock offset: -6.201 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.11 Mbit/s
95th percentile per-packet one-way delay: 19.162 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 137.29 Mbit/s
95th percentile per-packet one-way delay: 19.181 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 17.666 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 19.381 ms
Loss rate: 0.22%

Run 6: Report of TCP Cubic — Data Link

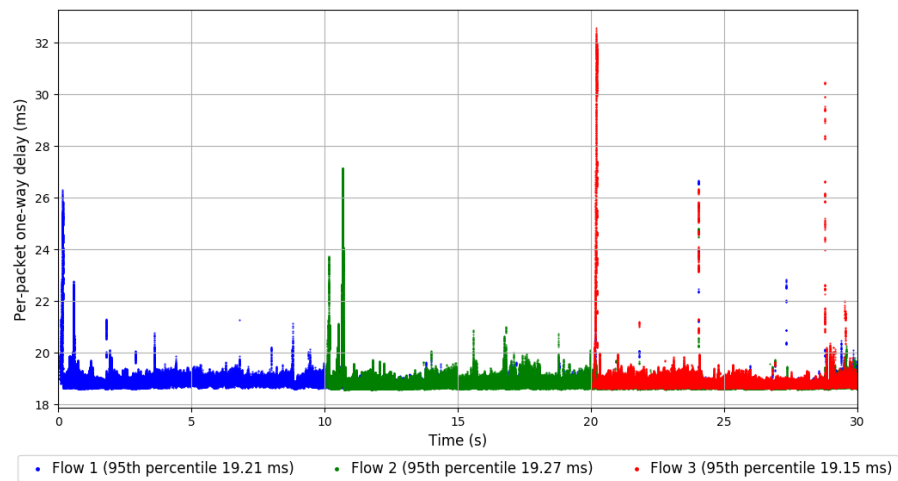
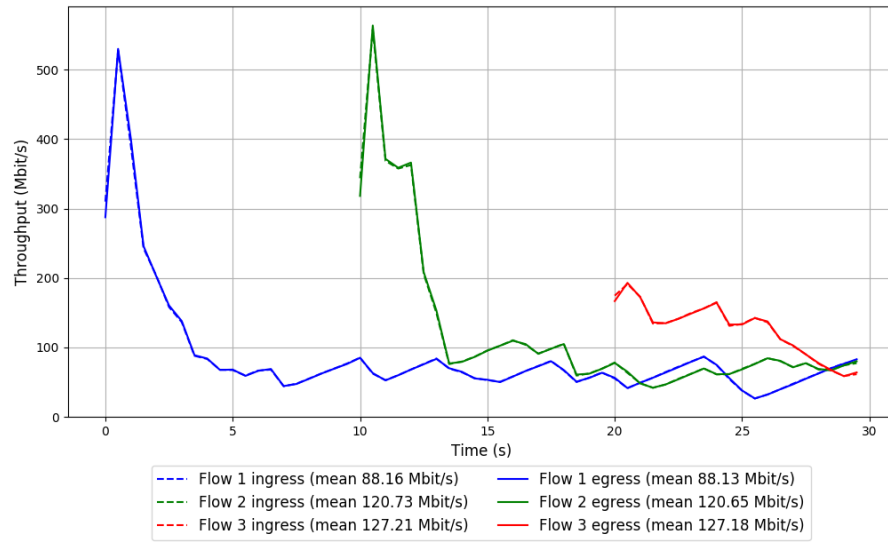


Run 7: Statistics of TCP Cubic

Start at: 2018-03-13 22:07:17
End at: 2018-03-13 22:07:47
Local clock offset: 0.569 ms
Remote clock offset: -6.303 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.71 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 88.13 Mbit/s
95th percentile per-packet one-way delay: 19.214 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 120.65 Mbit/s
95th percentile per-packet one-way delay: 19.274 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 127.18 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.03%

Run 7: Report of TCP Cubic — Data Link

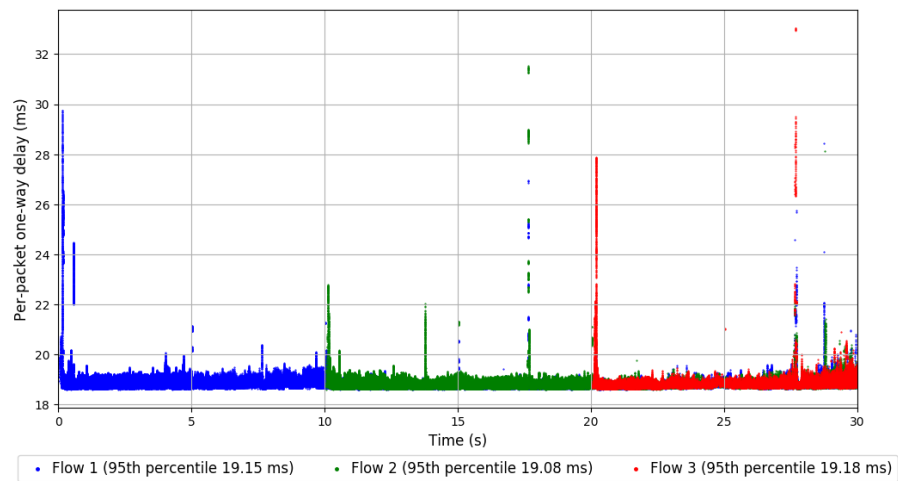
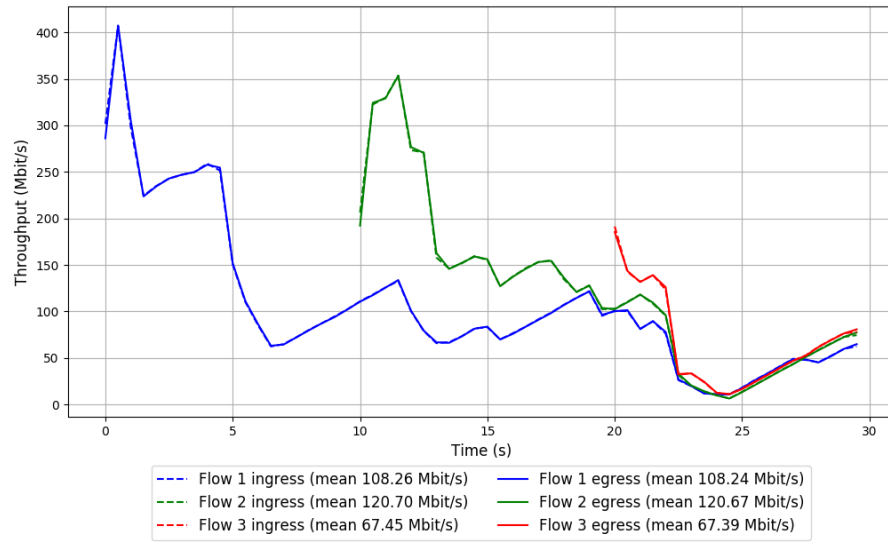


Run 8: Statistics of TCP Cubic

Start at: 2018-03-13 22:36:28
End at: 2018-03-13 22:36:58
Local clock offset: 0.629 ms
Remote clock offset: -6.127 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.97 Mbit/s
95th percentile per-packet one-way delay: 19.129 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 108.24 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 120.67 Mbit/s
95th percentile per-packet one-way delay: 19.077 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 19.181 ms
Loss rate: 0.09%

Run 8: Report of TCP Cubic — Data Link

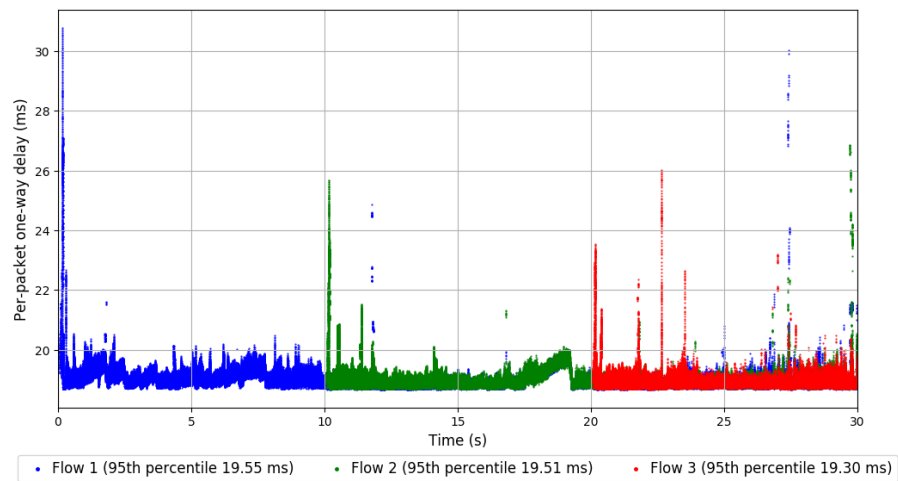
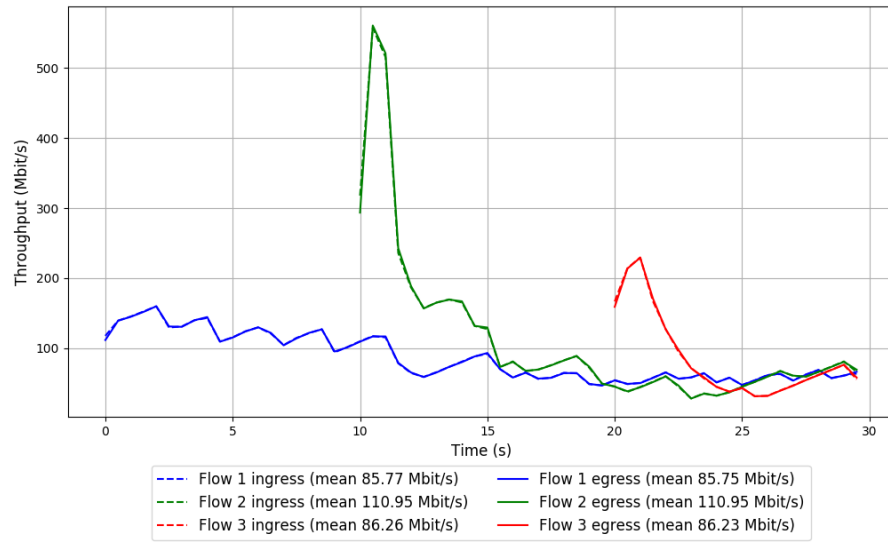


Run 9: Statistics of TCP Cubic

Start at: 2018-03-13 23:05:23
End at: 2018-03-13 23:05:53
Local clock offset: 0.416 ms
Remote clock offset: -4.022 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.25 Mbit/s
95th percentile per-packet one-way delay: 19.516 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 19.550 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 110.95 Mbit/s
95th percentile per-packet one-way delay: 19.507 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 19.299 ms
Loss rate: 0.03%

Run 9: Report of TCP Cubic — Data Link

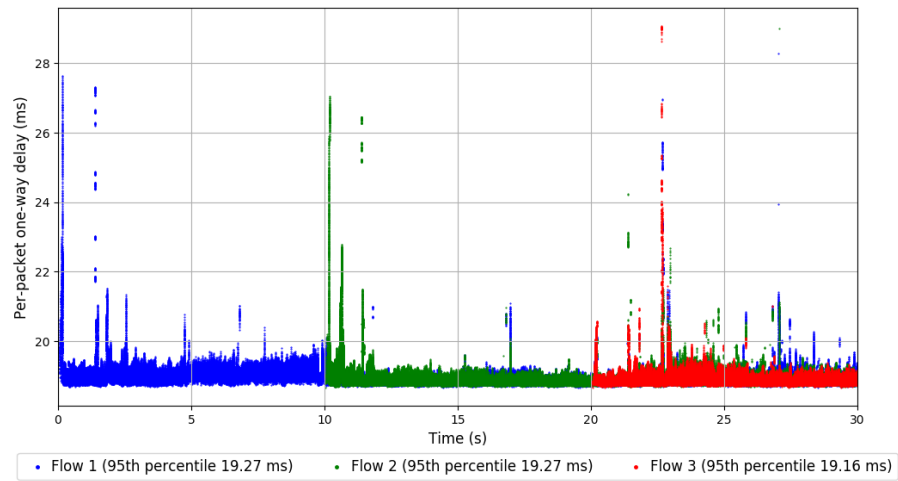
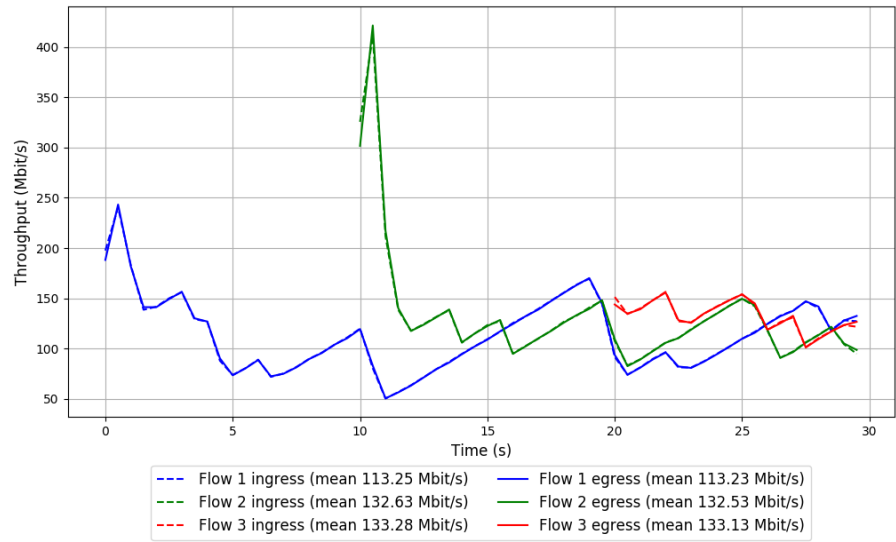


Run 10: Statistics of TCP Cubic

Start at: 2018-03-13 23:34:53
End at: 2018-03-13 23:35:23
Local clock offset: 0.524 ms
Remote clock offset: -3.073 ms

Below is generated by plot.py at 2018-03-14 02:50:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.73 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 113.23 Mbit/s
95th percentile per-packet one-way delay: 19.267 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 132.53 Mbit/s
95th percentile per-packet one-way delay: 19.273 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 133.13 Mbit/s
95th percentile per-packet one-way delay: 19.157 ms
Loss rate: 0.11%

Run 10: Report of TCP Cubic — Data Link

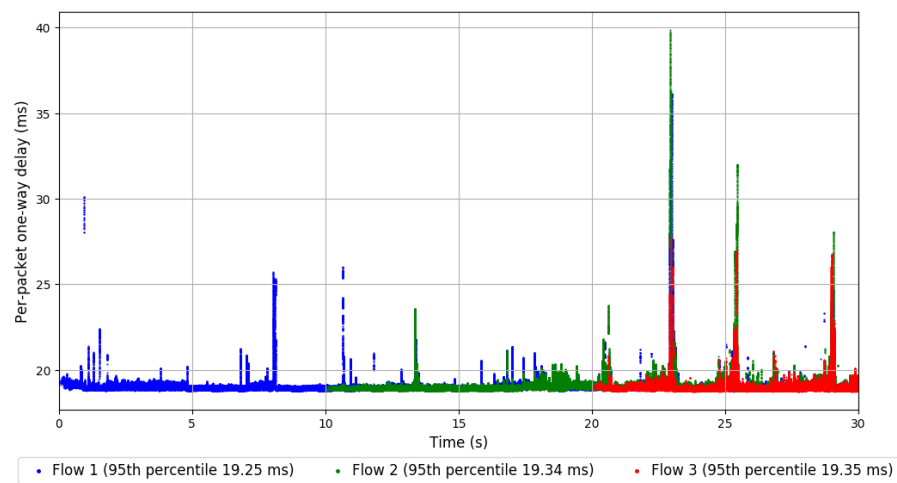
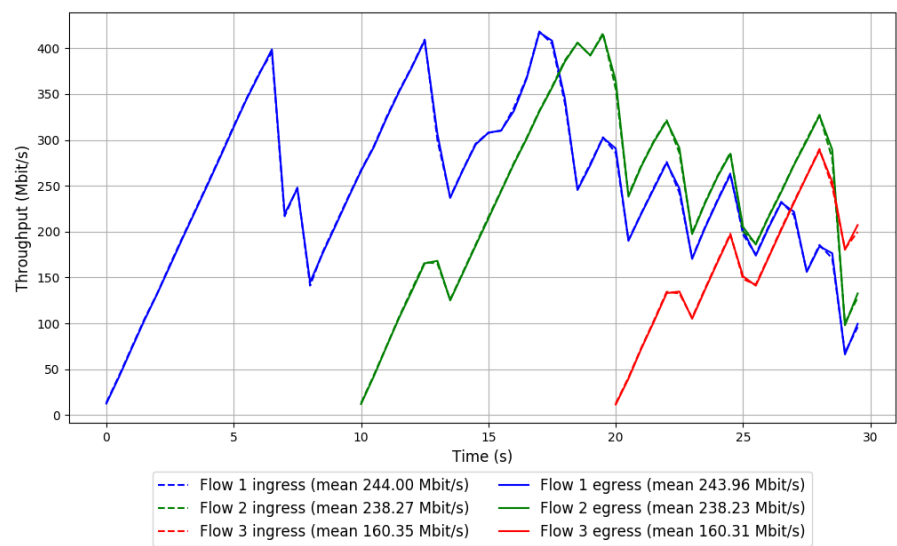


```
Run 1: Statistics of LEDBAT

Start at: 2018-03-13 19:24:28
End at: 2018-03-13 19:24:58
Local clock offset: 0.967 ms
Remote clock offset: -5.142 ms

# Below is generated by plot.py at 2018-03-14 02:51:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 455.76 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 243.96 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 238.23 Mbit/s
95th percentile per-packet one-way delay: 19.340 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 160.31 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.03%
```


Run 1: Report of LEDBAT — Data Link

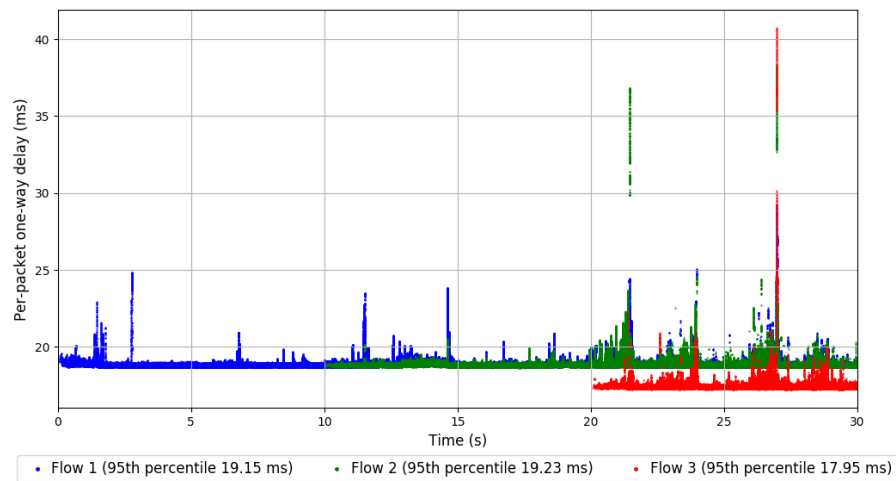
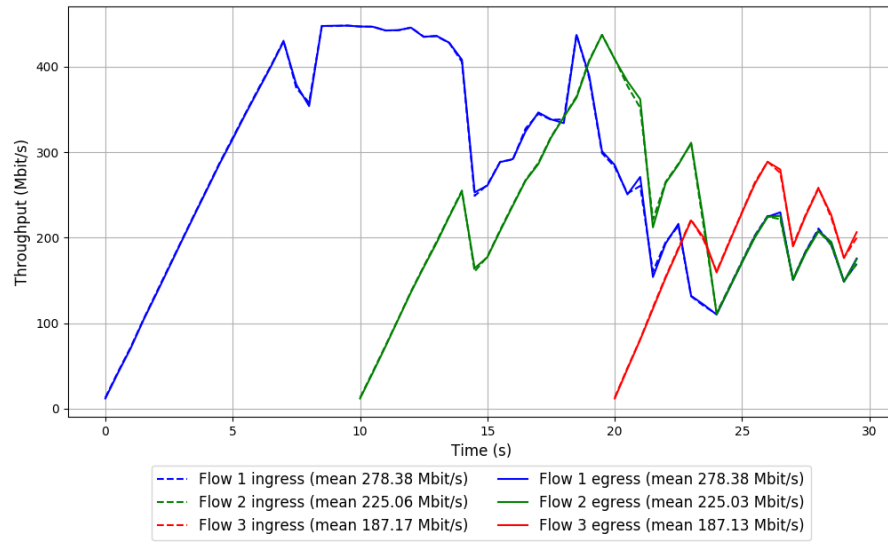


Run 2: Statistics of LEDBAT

Start at: 2018-03-13 19:53:57
End at: 2018-03-13 19:54:27
Local clock offset: 0.924 ms
Remote clock offset: -4.601 ms

Below is generated by plot.py at 2018-03-14 02:52:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 490.14 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 278.38 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 225.03 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 187.13 Mbit/s
95th percentile per-packet one-way delay: 17.954 ms
Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link

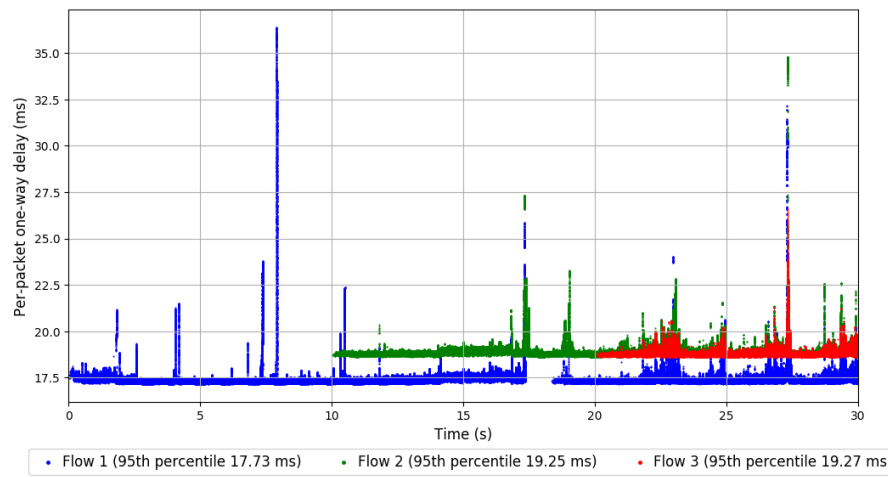
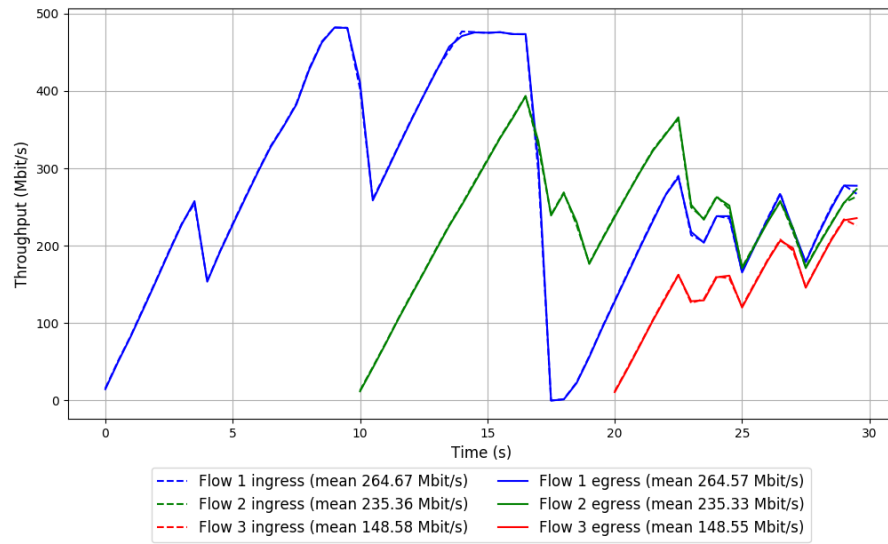


Run 3: Statistics of LEDBAT

Start at: 2018-03-13 20:23:20
End at: 2018-03-13 20:23:50
Local clock offset: 0.804 ms
Remote clock offset: -6.323 ms

Below is generated by plot.py at 2018-03-14 02:52:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.54 Mbit/s
95th percentile per-packet one-way delay: 19.068 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 264.57 Mbit/s
95th percentile per-packet one-way delay: 17.734 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 235.33 Mbit/s
95th percentile per-packet one-way delay: 19.249 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 148.55 Mbit/s
95th percentile per-packet one-way delay: 19.265 ms
Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

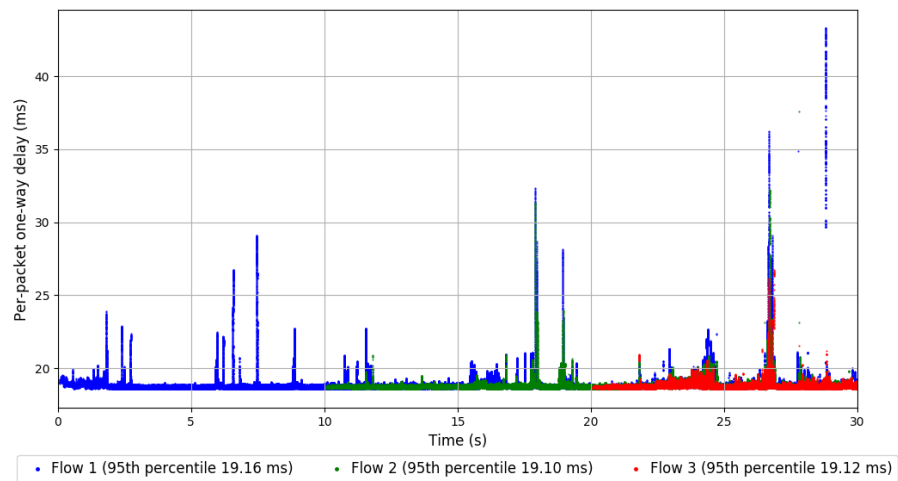
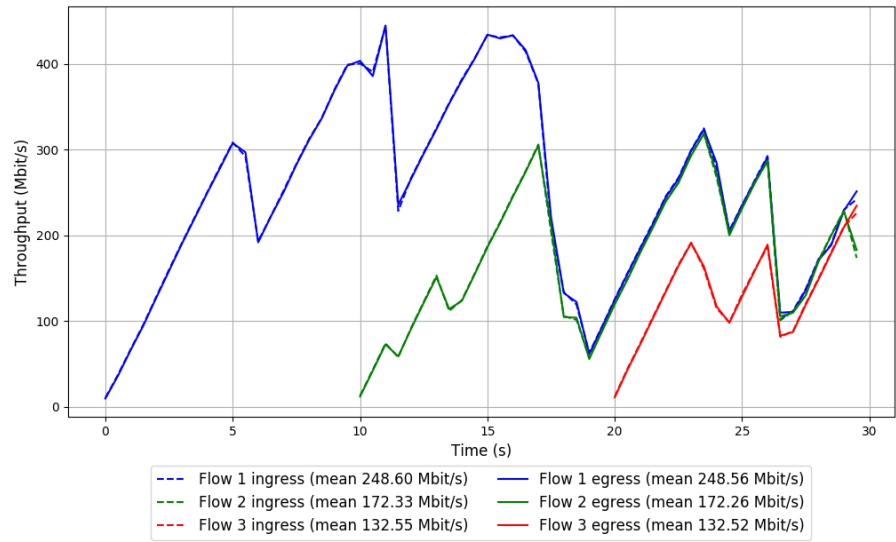


Run 4: Statistics of LEDBAT

Start at: 2018-03-13 20:52:48
End at: 2018-03-13 20:53:18
Local clock offset: 1.462 ms
Remote clock offset: -6.306 ms

Below is generated by plot.py at 2018-03-14 02:52:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 407.21 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 248.56 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 172.26 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 132.52 Mbit/s
95th percentile per-packet one-way delay: 19.121 ms
Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link

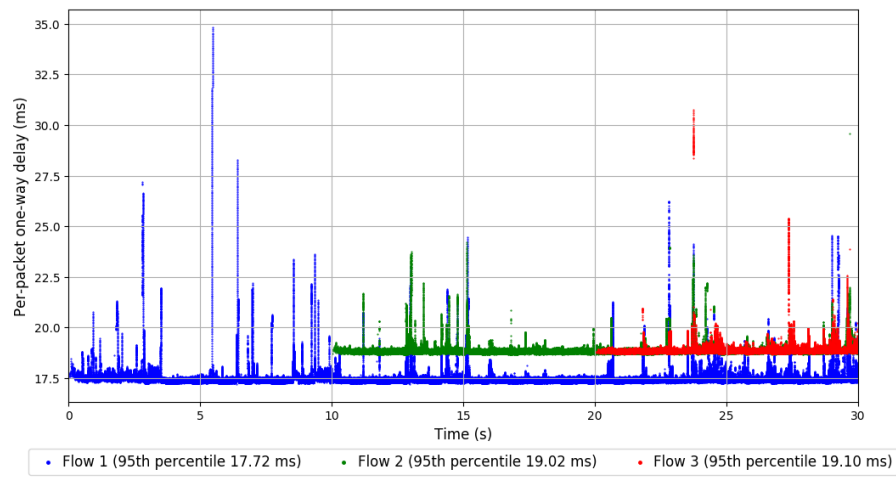
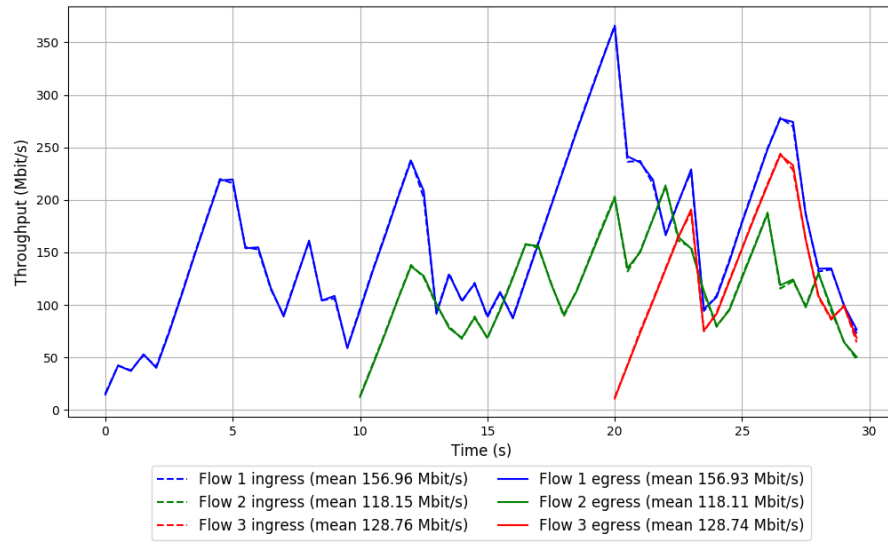


Run 5: Statistics of LEDBAT

Start at: 2018-03-13 21:22:14
End at: 2018-03-13 21:22:44
Local clock offset: 1.026 ms
Remote clock offset: -6.174 ms

Below is generated by plot.py at 2018-03-14 02:52:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.31 Mbit/s
95th percentile per-packet one-way delay: 18.950 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 156.93 Mbit/s
95th percentile per-packet one-way delay: 17.722 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 118.11 Mbit/s
95th percentile per-packet one-way delay: 19.018 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 128.74 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link

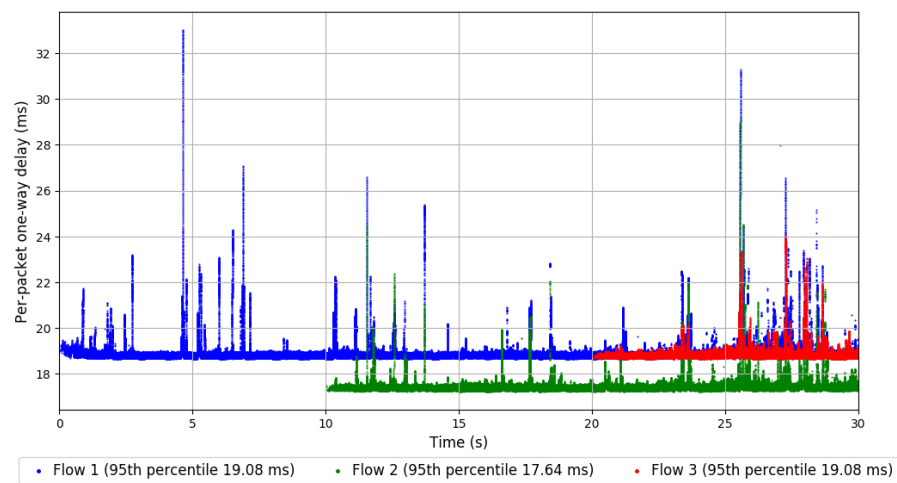
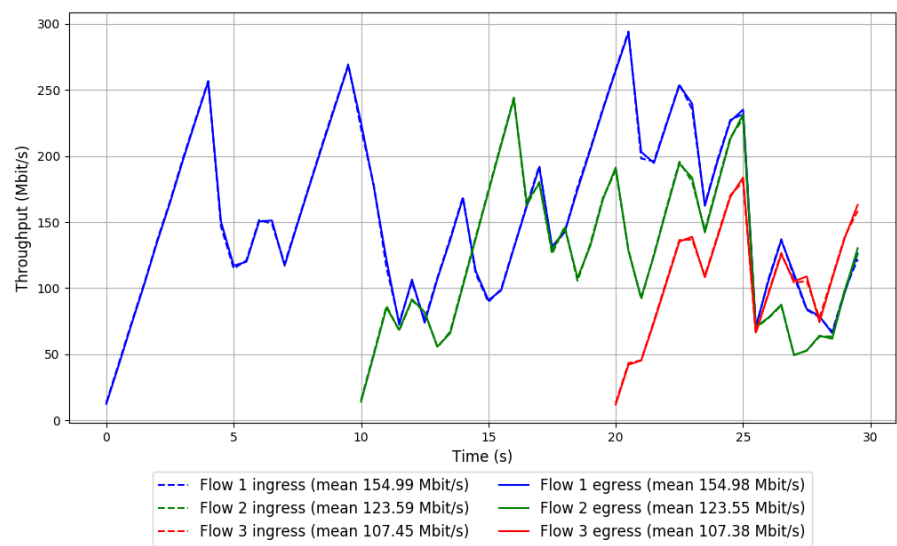


Run 6: Statistics of LEDBAT

Start at: 2018-03-13 21:51:08
End at: 2018-03-13 21:51:38
Local clock offset: 0.56 ms
Remote clock offset: -6.239 ms

Below is generated by plot.py at 2018-03-14 02:52:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.91 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 154.98 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 123.55 Mbit/s
95th percentile per-packet one-way delay: 17.635 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 107.38 Mbit/s
95th percentile per-packet one-way delay: 19.084 ms
Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-03-13 22:20:14

End at: 2018-03-13 22:20:44

Local clock offset: 0.653 ms

Remote clock offset: -6.18 ms

Below is generated by plot.py at 2018-03-14 02:53:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.30 Mbit/s

95th percentile per-packet one-way delay: 19.272 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 113.68 Mbit/s

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

Loss rate: 0.02%

-- Flow 2:

Average throughput: 99.40 Mbit/s

95th percentile per-packet one-way delay: 19.165 ms

Loss rate: 0.02%

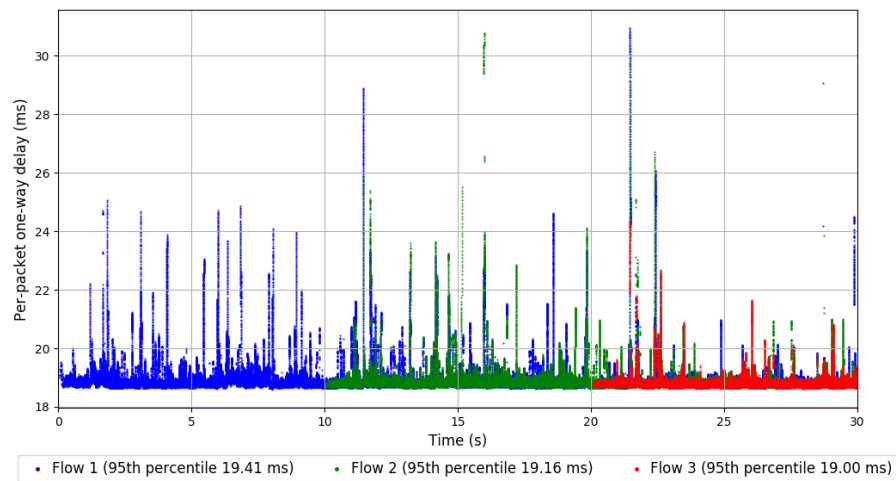
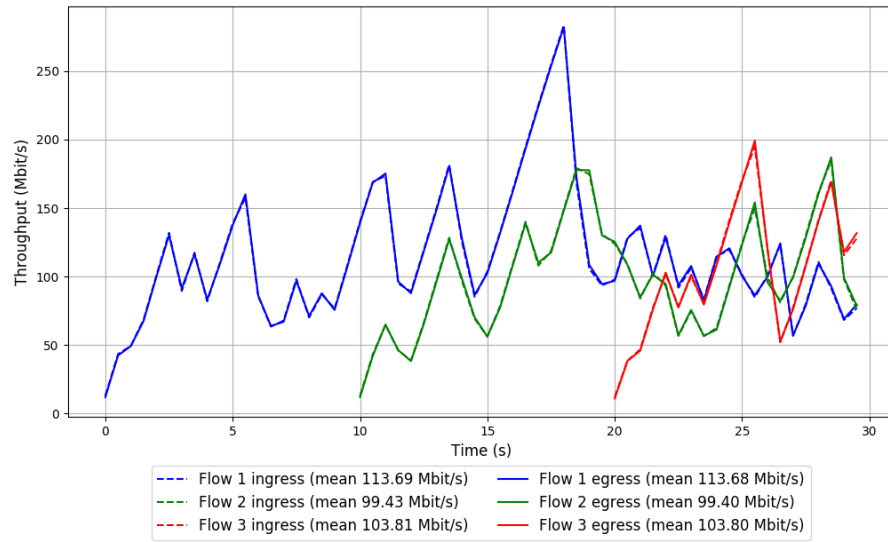
-- Flow 3:

Average throughput: 103.80 Mbit/s

95th percentile per-packet one-way delay: 19.000 ms

Loss rate: 0.02%

Run 7: Report of LEDBAT — Data Link

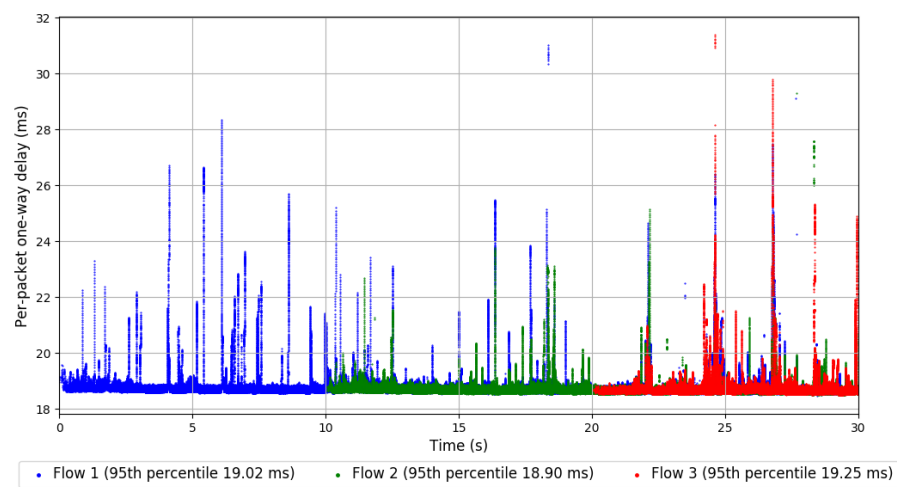
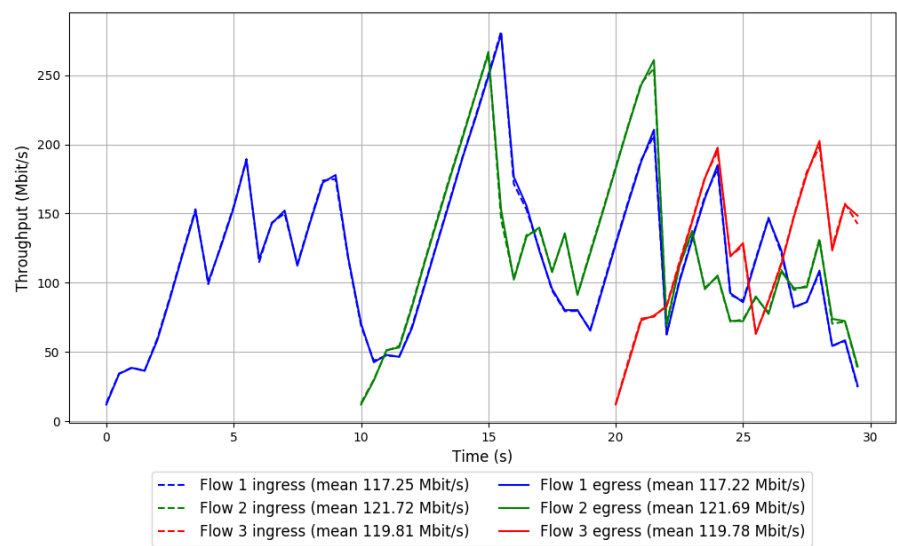


Run 8: Statistics of LEDBAT

Start at: 2018-03-13 22:49:17
End at: 2018-03-13 22:49:47
Local clock offset: 0.726 ms
Remote clock offset: -5.528 ms

Below is generated by plot.py at 2018-03-14 02:53:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.94 Mbit/s
95th percentile per-packet one-way delay: 19.005 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 117.22 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 121.69 Mbit/s
95th percentile per-packet one-way delay: 18.900 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 119.78 Mbit/s
95th percentile per-packet one-way delay: 19.249 ms
Loss rate: 0.02%

Run 8: Report of LEDBAT — Data Link

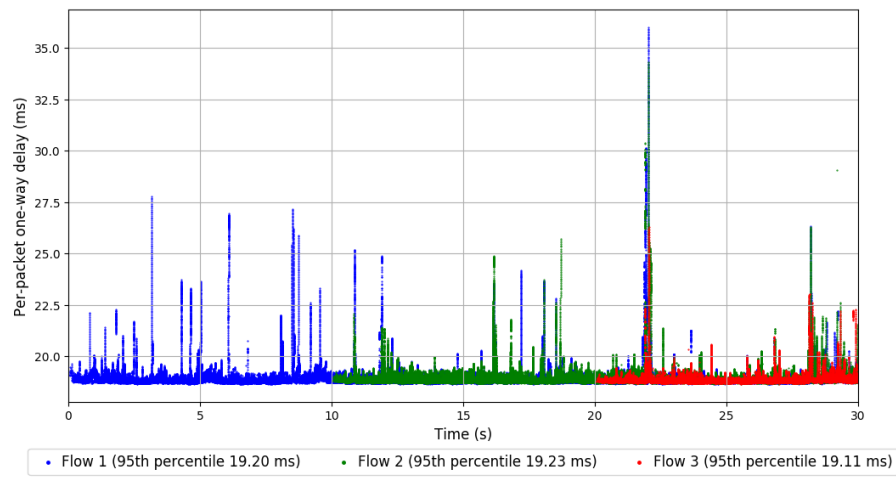
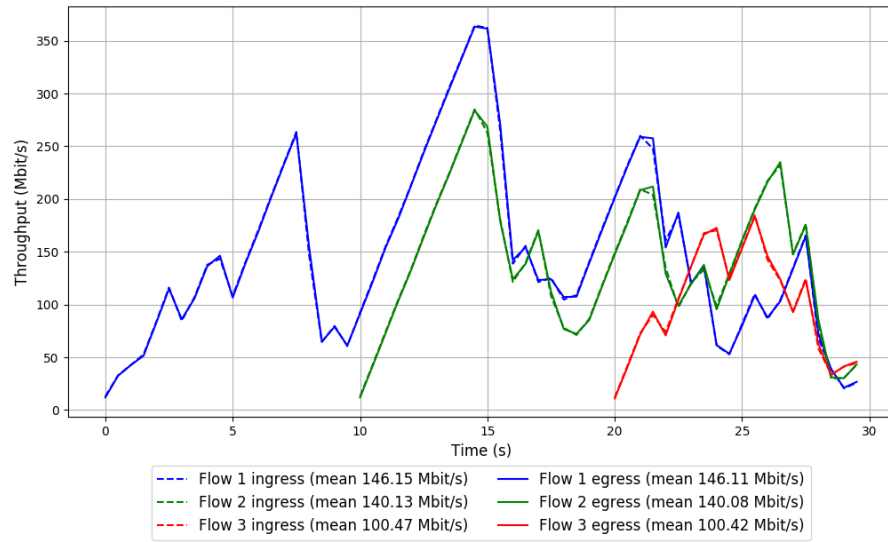


Run 9: Statistics of LEDBAT

Start at: 2018-03-13 23:18:23
End at: 2018-03-13 23:18:53
Local clock offset: 0.393 ms
Remote clock offset: -3.607 ms

Below is generated by plot.py at 2018-03-14 02:54:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.69 Mbit/s
95th percentile per-packet one-way delay: 19.204 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 146.11 Mbit/s
95th percentile per-packet one-way delay: 19.204 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 140.08 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 100.42 Mbit/s
95th percentile per-packet one-way delay: 19.113 ms
Loss rate: 0.05%

Run 9: Report of LEDBAT — Data Link

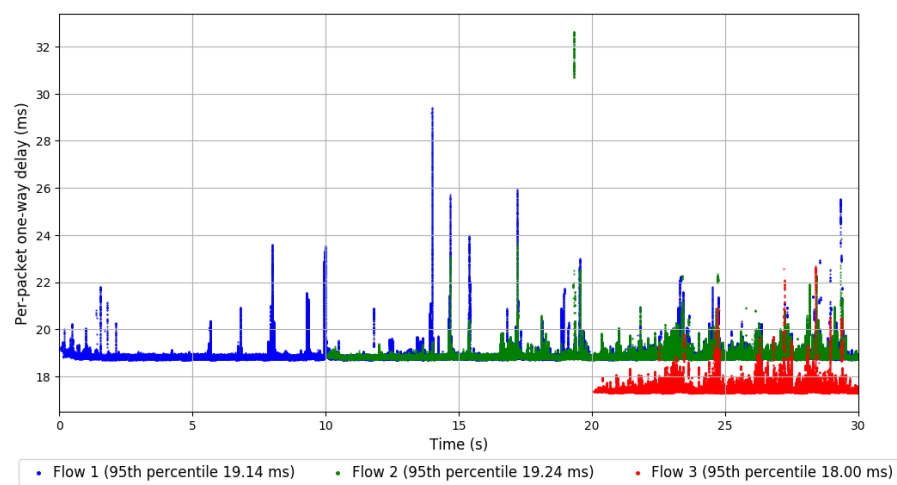
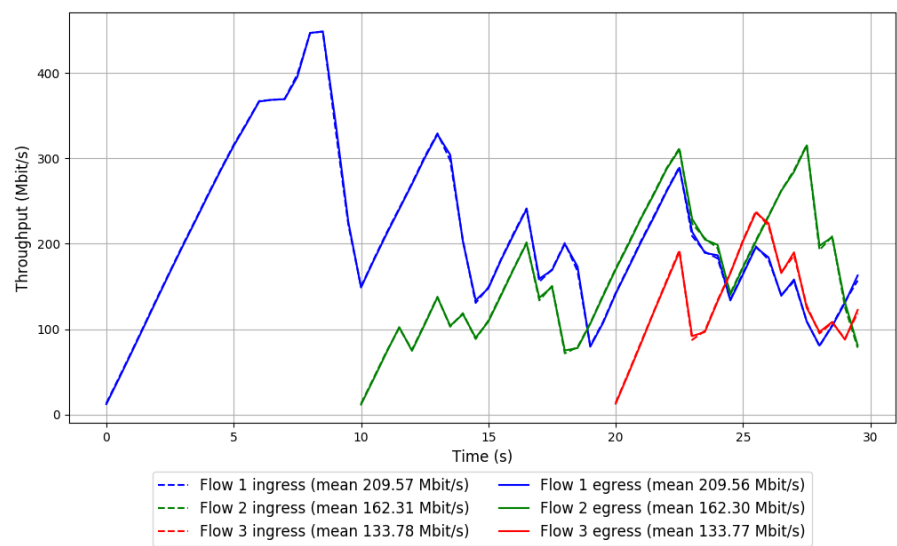


Run 10: Statistics of LEDBAT

Start at: 2018-03-13 23:47:45
End at: 2018-03-13 23:48:15
Local clock offset: 0.527 ms
Remote clock offset: -2.802 ms

Below is generated by plot.py at 2018-03-14 02:56:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.97 Mbit/s
95th percentile per-packet one-way delay: 19.139 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 209.56 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.30 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 133.77 Mbit/s
95th percentile per-packet one-way delay: 17.995 ms
Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link

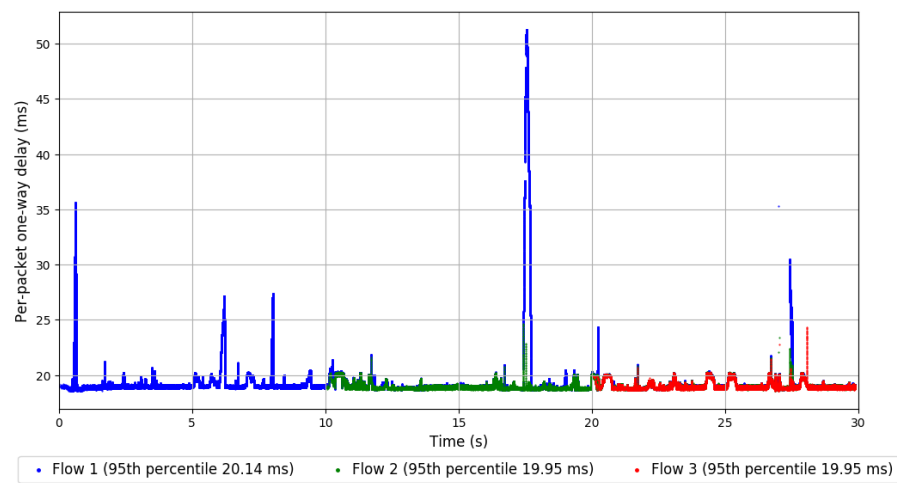
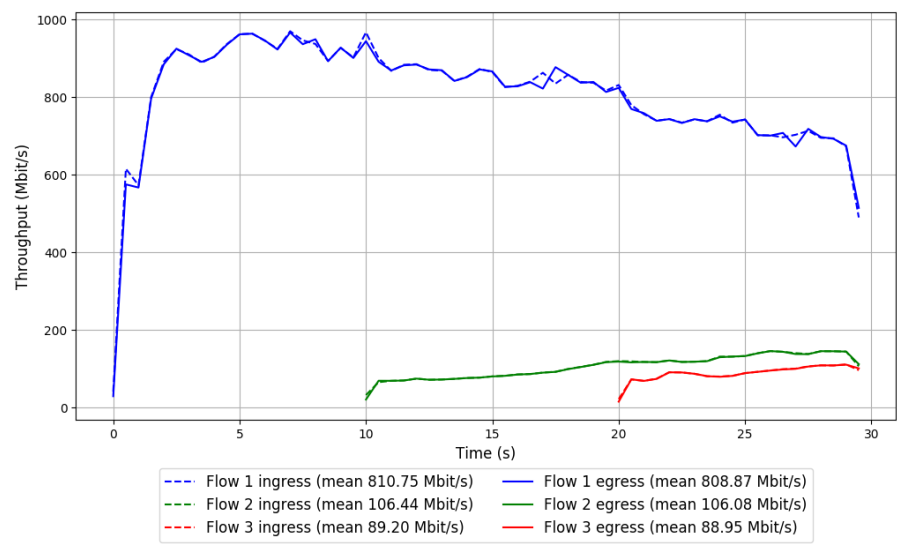


```
Run 1: Statistics of PCC

Start at: 2018-03-13 19:15:51
End at: 2018-03-13 19:16:21
Local clock offset: 1.131 ms
Remote clock offset: -5.361 ms

# Below is generated by plot.py at 2018-03-14 03:04:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 908.72 Mbit/s
95th percentile per-packet one-way delay: 20.124 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 808.87 Mbit/s
95th percentile per-packet one-way delay: 20.144 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 106.08 Mbit/s
95th percentile per-packet one-way delay: 19.948 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 19.951 ms
Loss rate: 0.30%
```

Run 1: Report of PCC — Data Link

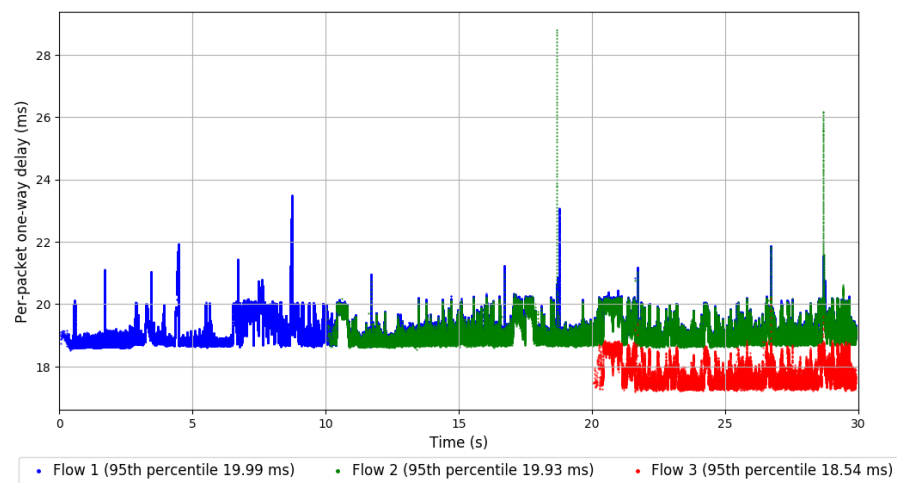
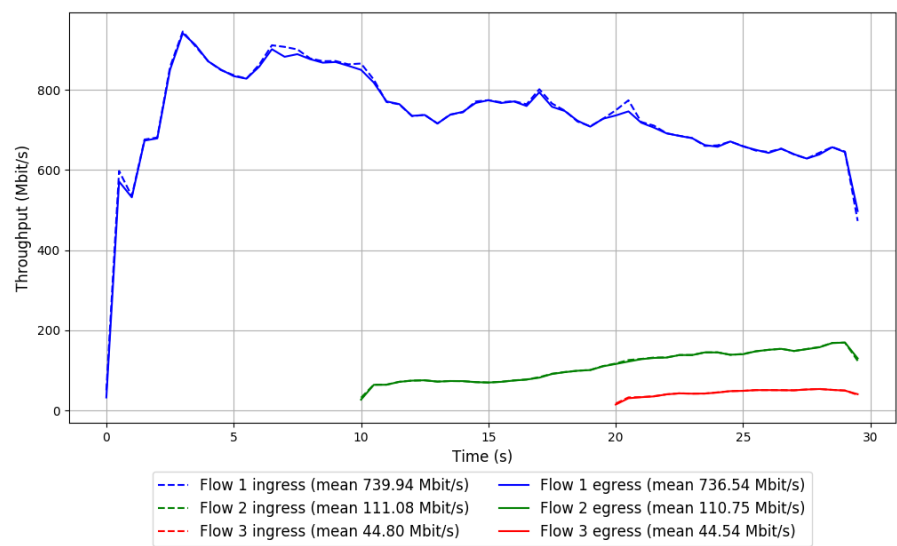


Run 2: Statistics of PCC

Start at: 2018-03-13 19:45:40
End at: 2018-03-13 19:46:10
Local clock offset: 0.89 ms
Remote clock offset: -4.831 ms

Below is generated by plot.py at 2018-03-14 03:04:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 824.86 Mbit/s
95th percentile per-packet one-way delay: 19.978 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 736.54 Mbit/s
95th percentile per-packet one-way delay: 19.989 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 110.75 Mbit/s
95th percentile per-packet one-way delay: 19.925 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 18.535 ms
Loss rate: 0.59%

Run 2: Report of PCC — Data Link

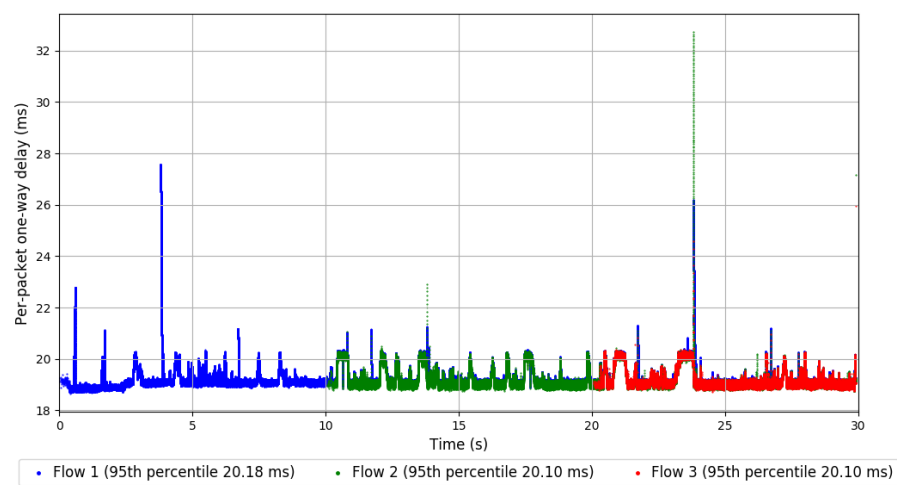
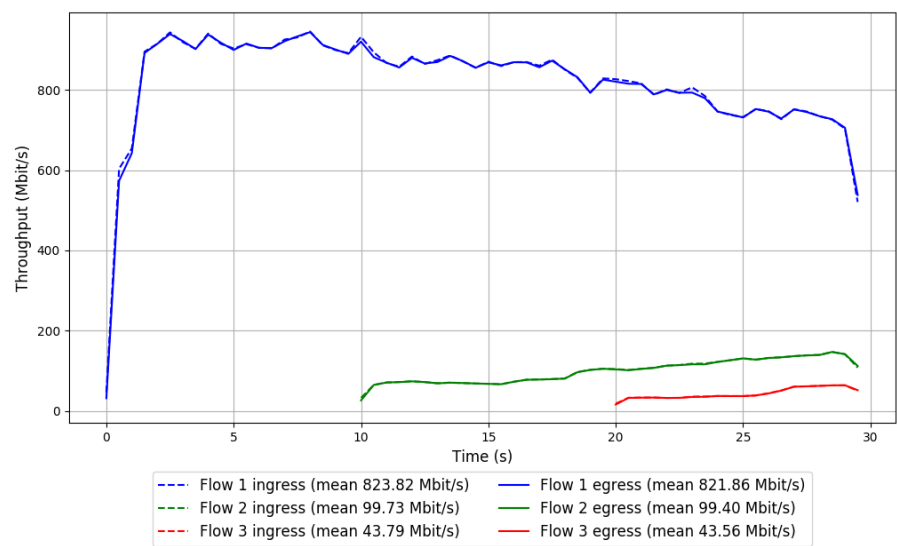


Run 3: Statistics of PCC

Start at: 2018-03-13 20:14:54
End at: 2018-03-13 20:15:24
Local clock offset: 0.682 ms
Remote clock offset: -6.156 ms

Below is generated by plot.py at 2018-03-14 03:05:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 902.09 Mbit/s
95th percentile per-packet one-way delay: 20.173 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 821.86 Mbit/s
95th percentile per-packet one-way delay: 20.178 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 99.40 Mbit/s
95th percentile per-packet one-way delay: 20.099 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 20.100 ms
Loss rate: 0.47%

Run 3: Report of PCC — Data Link

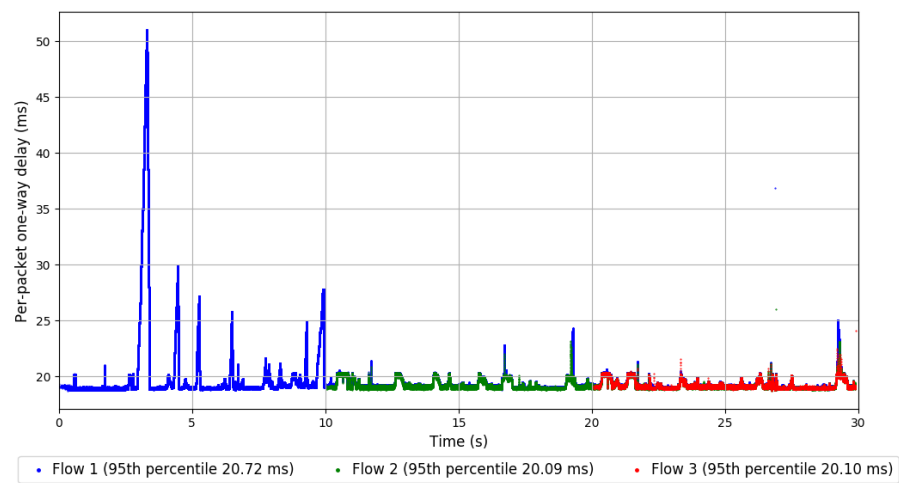
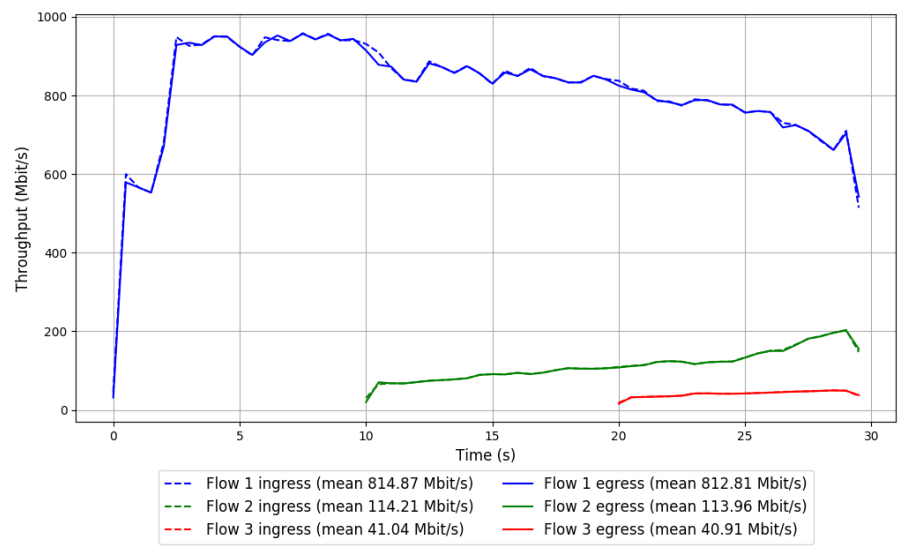


Run 4: Statistics of PCC

Start at: 2018-03-13 20:44:18
End at: 2018-03-13 20:44:48
Local clock offset: 1.153 ms
Remote clock offset: -6.277 ms

Below is generated by plot.py at 2018-03-14 03:05:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 901.91 Mbit/s
95th percentile per-packet one-way delay: 20.300 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 812.81 Mbit/s
95th percentile per-packet one-way delay: 20.717 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 113.96 Mbit/s
95th percentile per-packet one-way delay: 20.087 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 20.097 ms
Loss rate: 0.28%

Run 4: Report of PCC — Data Link

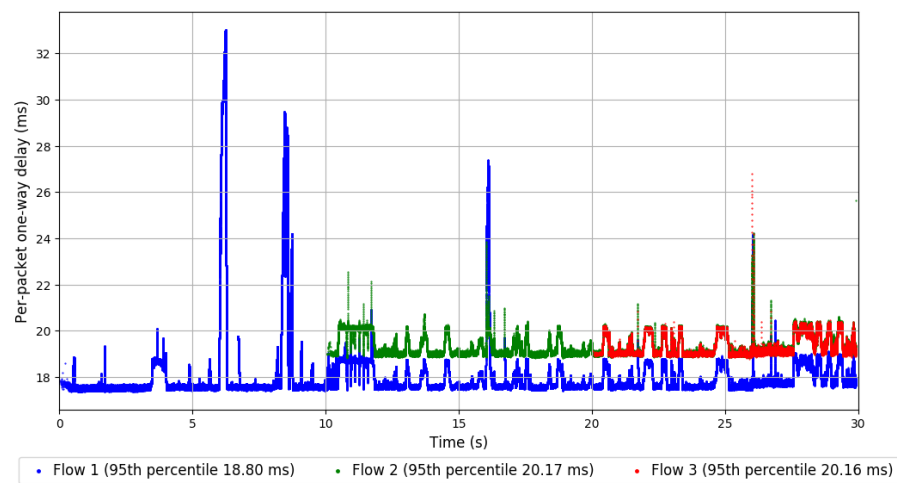
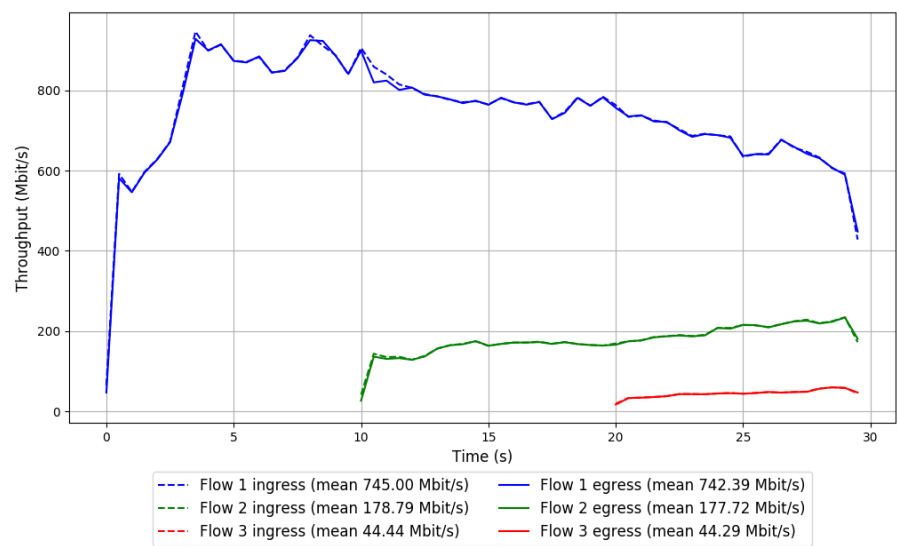


Run 5: Statistics of PCC

Start at: 2018-03-13 21:13:41
End at: 2018-03-13 21:14:11
Local clock offset: 0.957 ms
Remote clock offset: -6.092 ms

Below is generated by plot.py at 2018-03-14 03:05:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 874.95 Mbit/s
95th percentile per-packet one-way delay: 20.027 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 742.39 Mbit/s
95th percentile per-packet one-way delay: 18.796 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 177.72 Mbit/s
95th percentile per-packet one-way delay: 20.166 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 44.29 Mbit/s
95th percentile per-packet one-way delay: 20.165 ms
Loss rate: 0.35%

Run 5: Report of PCC — Data Link

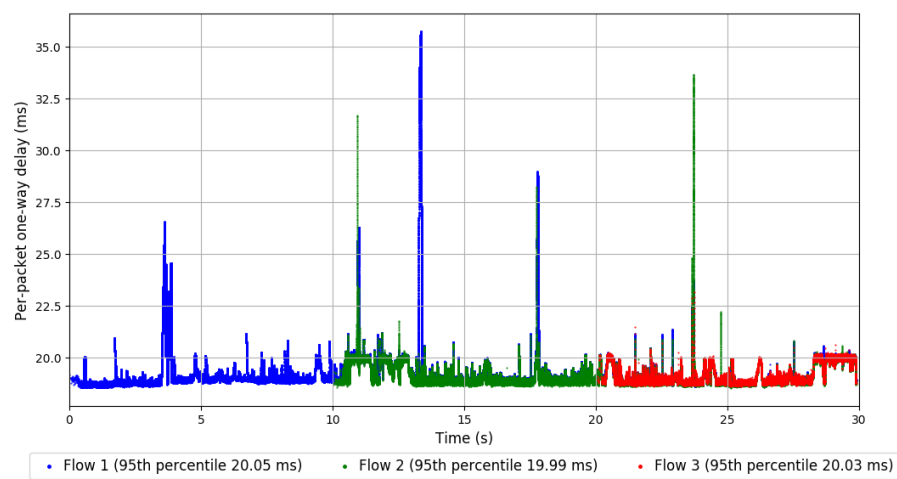
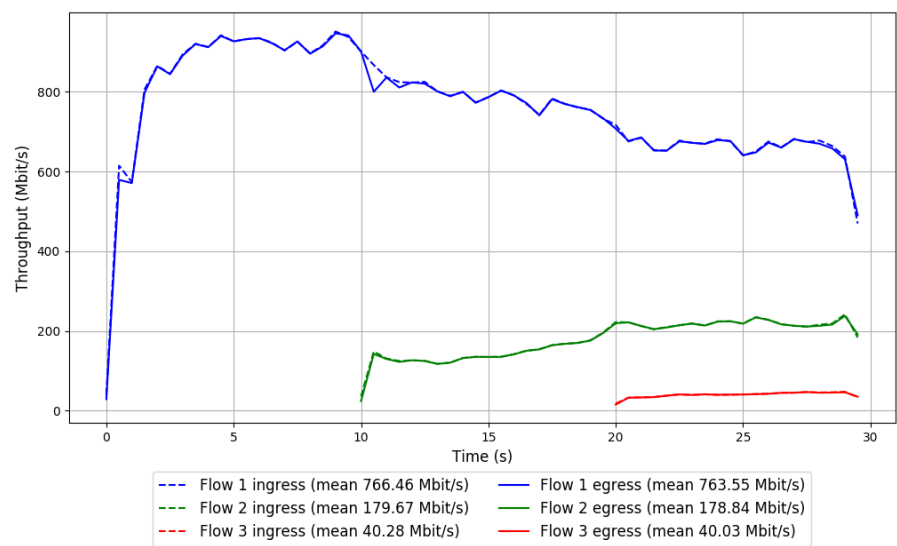


Run 6: Statistics of PCC

Start at: 2018-03-13 21:42:43
End at: 2018-03-13 21:43:13
Local clock offset: 0.77 ms
Remote clock offset: -6.222 ms

Below is generated by plot.py at 2018-03-14 03:06:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 895.66 Mbit/s
95th percentile per-packet one-way delay: 20.045 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 763.55 Mbit/s
95th percentile per-packet one-way delay: 20.053 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 178.84 Mbit/s
95th percentile per-packet one-way delay: 19.989 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 20.027 ms
Loss rate: 0.64%

Run 6: Report of PCC — Data Link

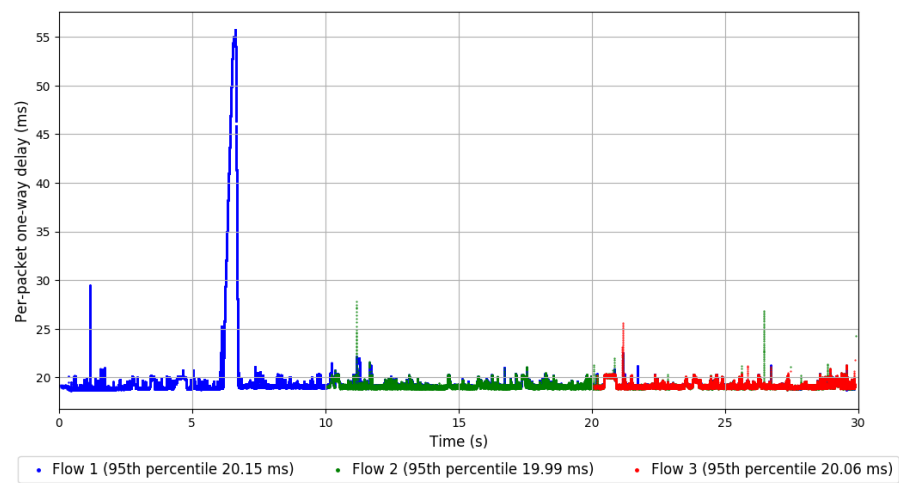
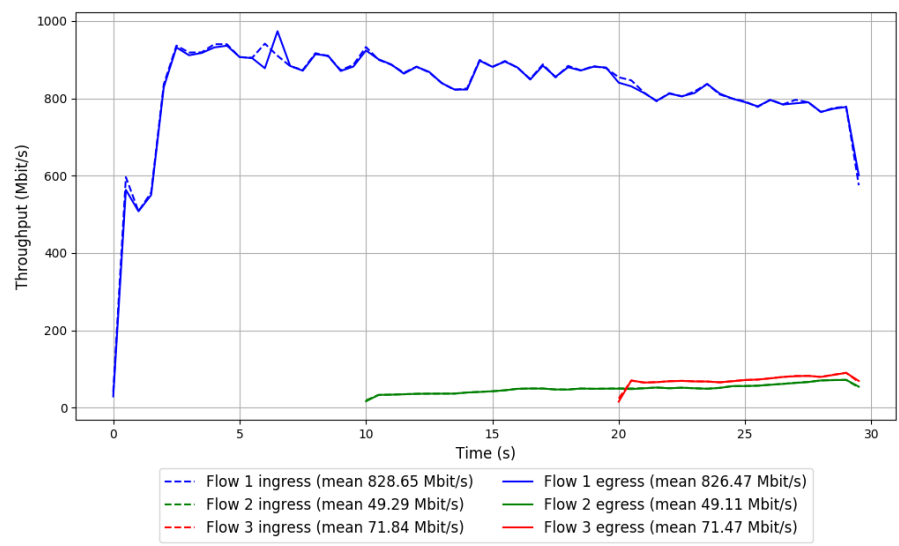


Run 7: Statistics of PCC

Start at: 2018-03-13 22:11:45
End at: 2018-03-13 22:12:15
Local clock offset: 0.622 ms
Remote clock offset: -6.212 ms

Below is generated by plot.py at 2018-03-14 03:07:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 882.54 Mbit/s
95th percentile per-packet one-way delay: 20.141 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 826.47 Mbit/s
95th percentile per-packet one-way delay: 20.149 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 19.991 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 71.47 Mbit/s
95th percentile per-packet one-way delay: 20.063 ms
Loss rate: 0.50%

Run 7: Report of PCC — Data Link

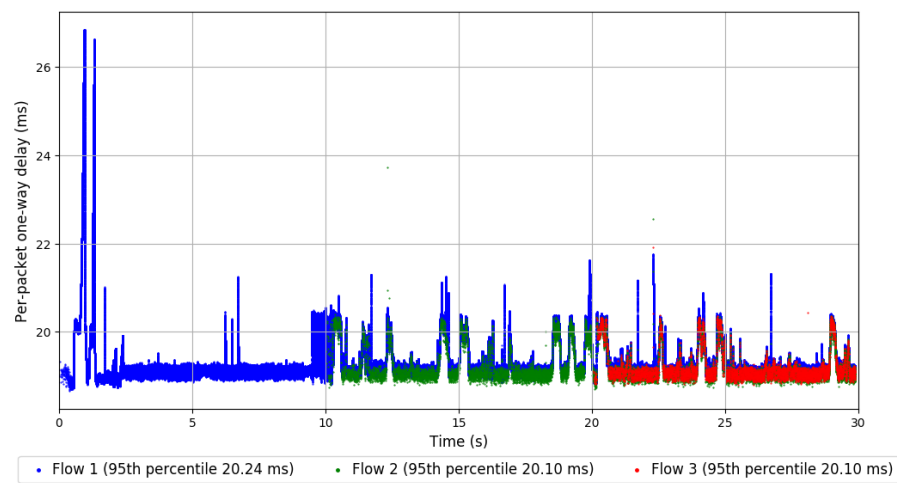
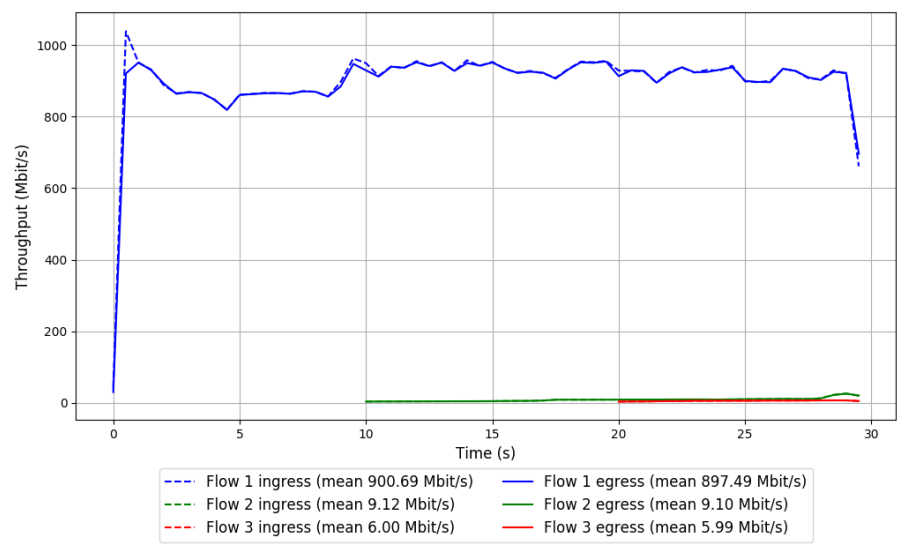


Run 8: Statistics of PCC

Start at: 2018-03-13 22:40:53
End at: 2018-03-13 22:41:23
Local clock offset: 0.581 ms
Remote clock offset: -6.137 ms

Below is generated by plot.py at 2018-03-14 03:09:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 905.51 Mbit/s
95th percentile per-packet one-way delay: 20.236 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 897.49 Mbit/s
95th percentile per-packet one-way delay: 20.237 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 20.097 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 20.103 ms
Loss rate: 0.20%

Run 8: Report of PCC — Data Link

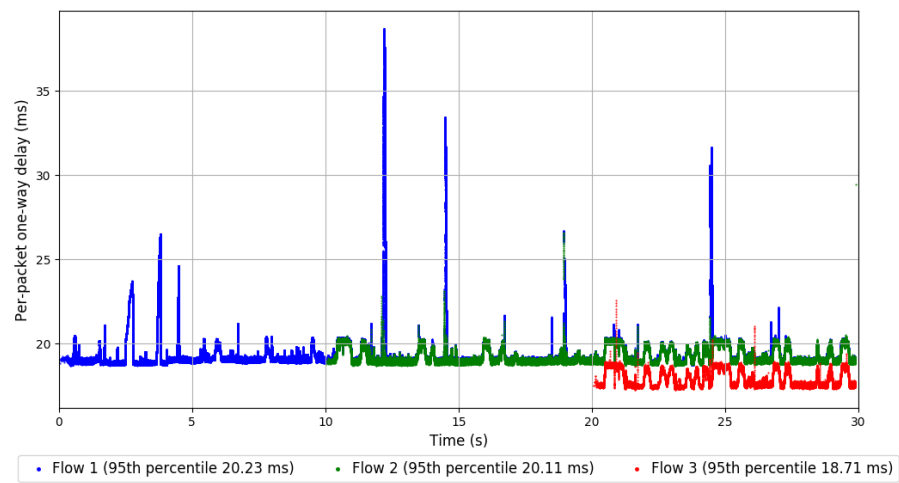
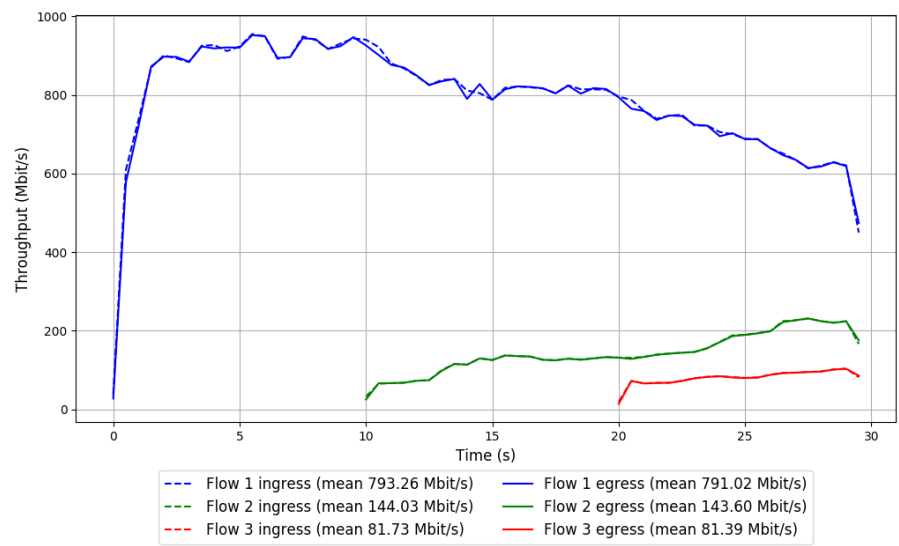


Run 9: Statistics of PCC

Start at: 2018-03-13 23:09:51
End at: 2018-03-13 23:10:21
Local clock offset: 0.353 ms
Remote clock offset: -3.851 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 912.99 Mbit/s
95th percentile per-packet one-way delay: 20.211 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 791.02 Mbit/s
95th percentile per-packet one-way delay: 20.225 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 143.60 Mbit/s
95th percentile per-packet one-way delay: 20.111 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 18.712 ms
Loss rate: 0.41%

Run 9: Report of PCC — Data Link

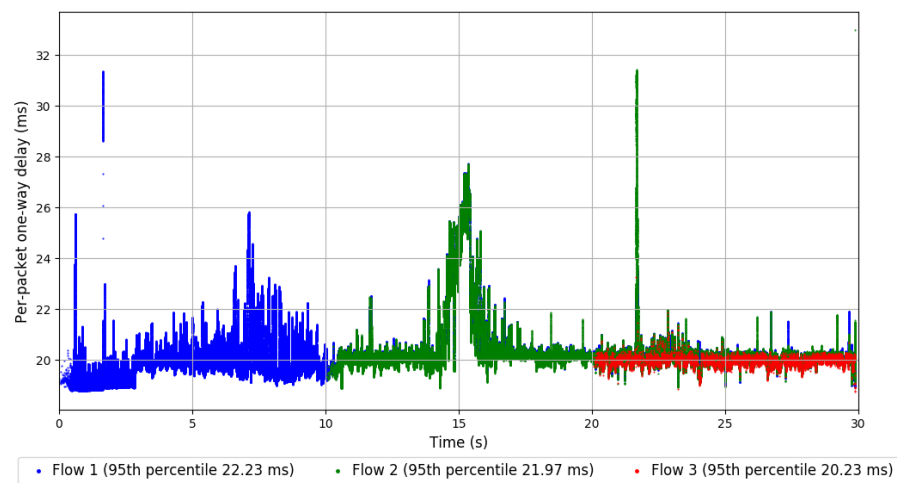
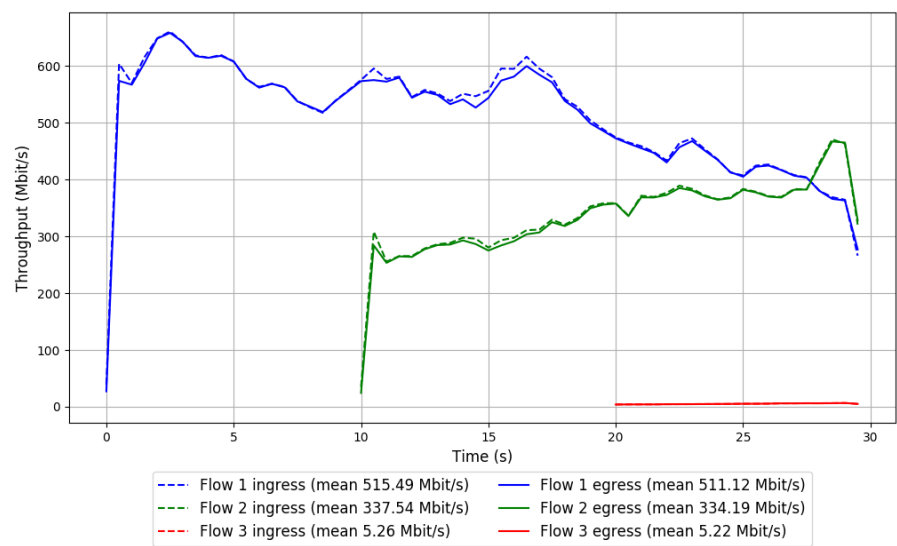


Run 10: Statistics of PCC

Start at: 2018-03-13 23:39:23
End at: 2018-03-13 23:39:53
Local clock offset: 0.377 ms
Remote clock offset: -3.038 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 735.02 Mbit/s
95th percentile per-packet one-way delay: 22.168 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 511.12 Mbit/s
95th percentile per-packet one-way delay: 22.235 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 334.19 Mbit/s
95th percentile per-packet one-way delay: 21.974 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 20.230 ms
Loss rate: 0.83%

Run 10: Report of PCC — Data Link

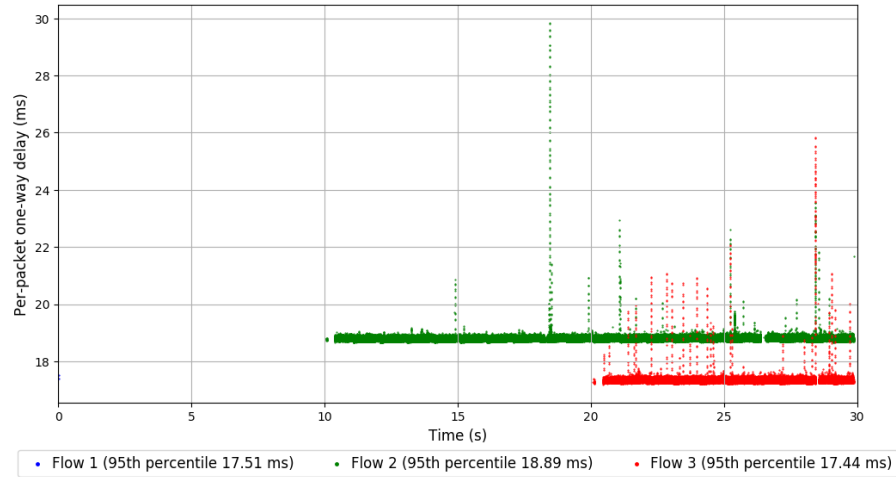
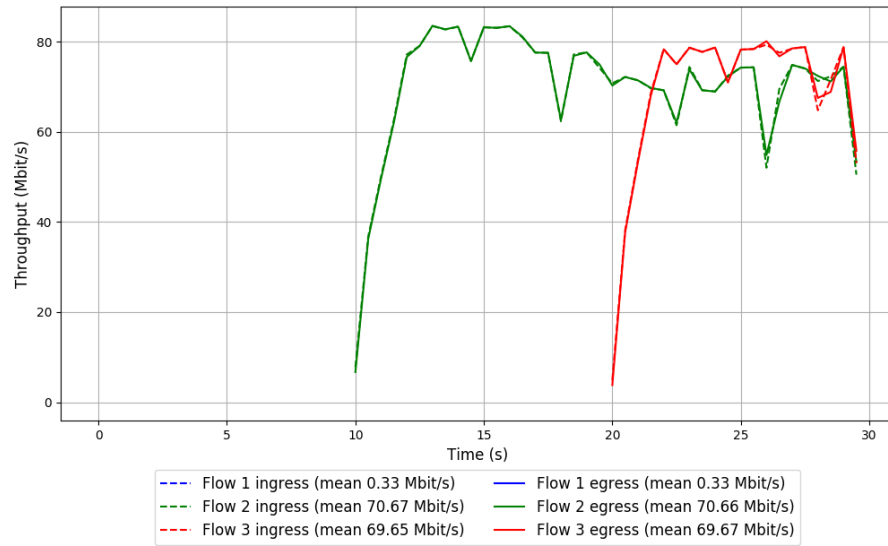


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 19:05:40
End at: 2018-03-13 19:06:10
Local clock offset: 1.216 ms
Remote clock offset: -5.246 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: 18.877 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 17.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 18.891 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.67 Mbit/s
95th percentile per-packet one-way delay: 17.439 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

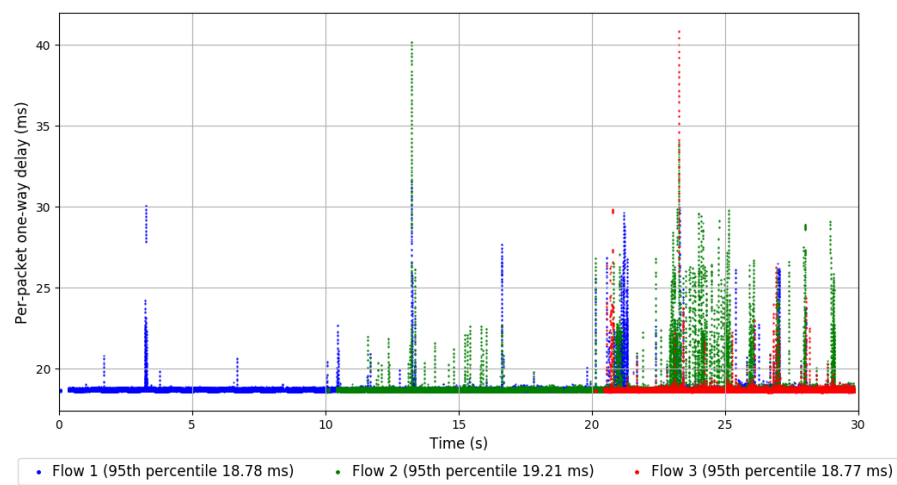
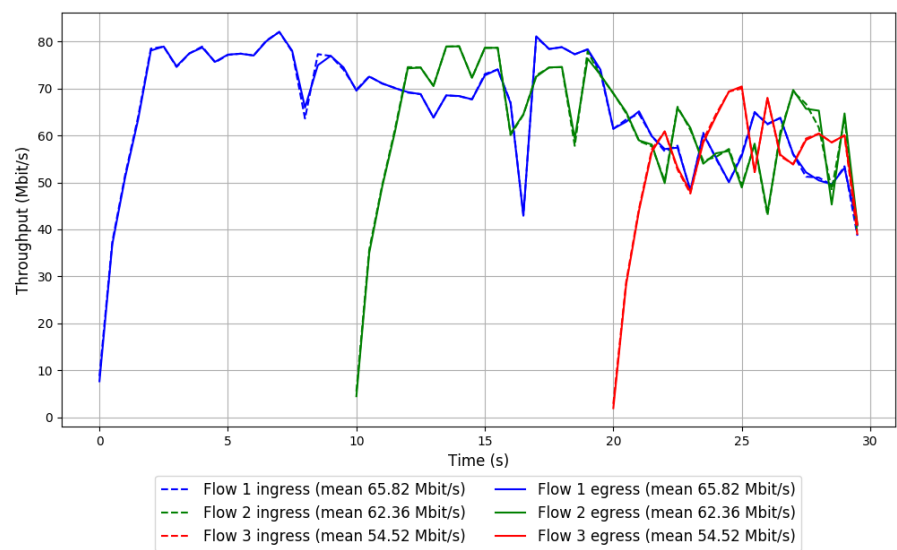


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-13 19:35:35
End at: 2018-03-13 19:36:05
Local clock offset: 1.015 ms
Remote clock offset: -4.988 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.02 Mbit/s
95th percentile per-packet one-way delay: 18.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.82 Mbit/s
95th percentile per-packet one-way delay: 18.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 19.213 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.52 Mbit/s
95th percentile per-packet one-way delay: 18.768 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

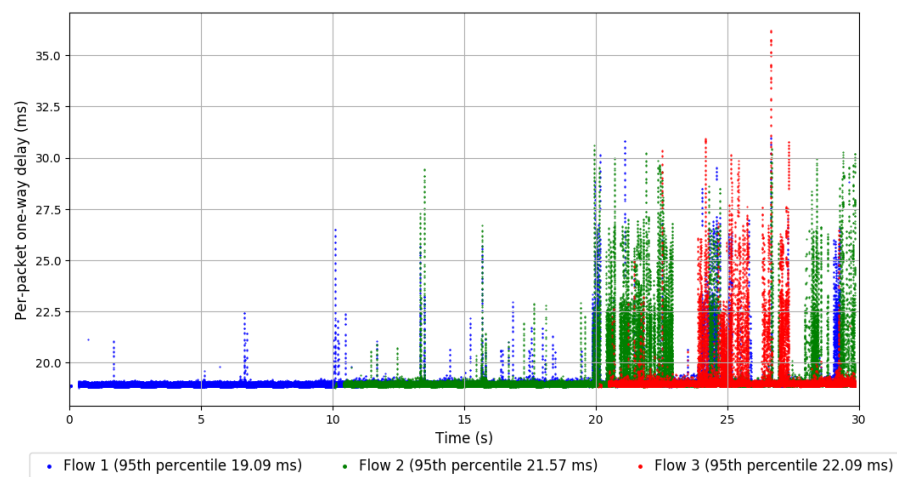
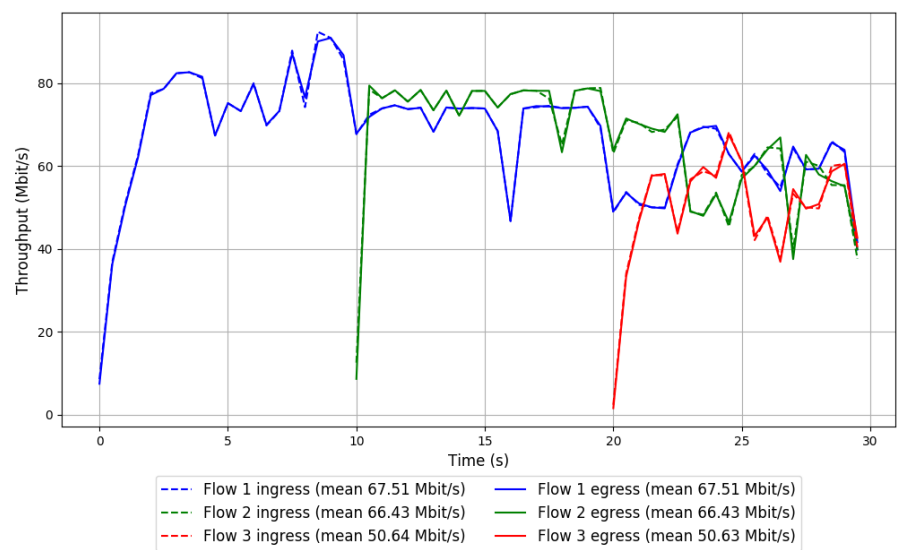


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-13 20:05:01
End at: 2018-03-13 20:05:31
Local clock offset: 0.716 ms
Remote clock offset: -5.665 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.10 Mbit/s
95th percentile per-packet one-way delay: 20.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.51 Mbit/s
95th percentile per-packet one-way delay: 19.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 21.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 22.085 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

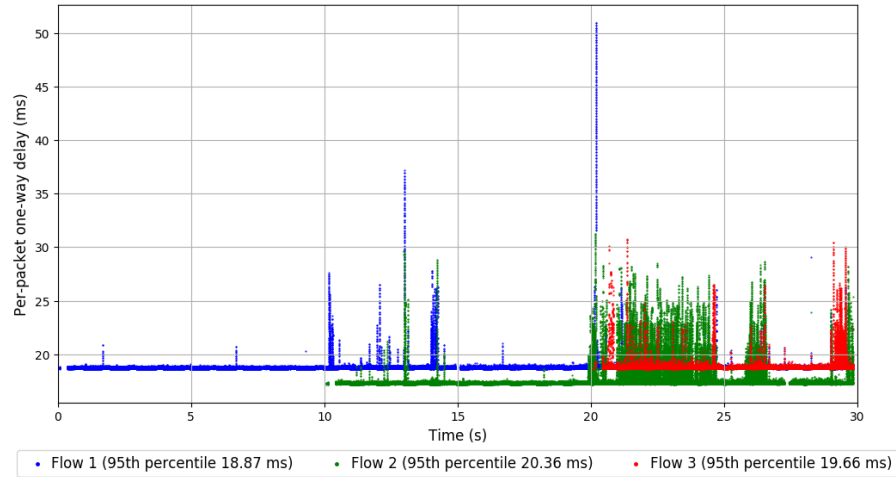
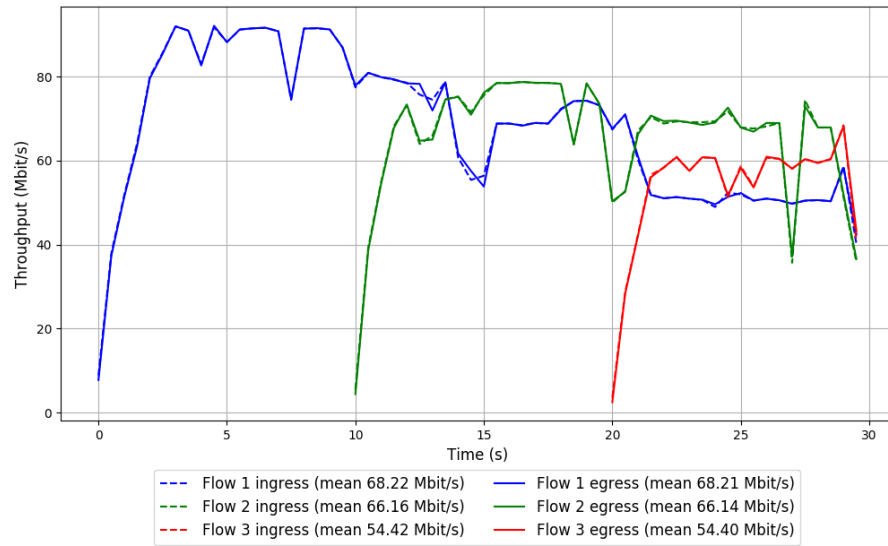


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-13 20:34:27
End at: 2018-03-13 20:34:57
Local clock offset: 0.975 ms
Remote clock offset: -6.312 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.87 Mbit/s
95th percentile per-packet one-way delay: 18.975 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.21 Mbit/s
95th percentile per-packet one-way delay: 18.874 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.14 Mbit/s
95th percentile per-packet one-way delay: 20.358 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 19.655 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

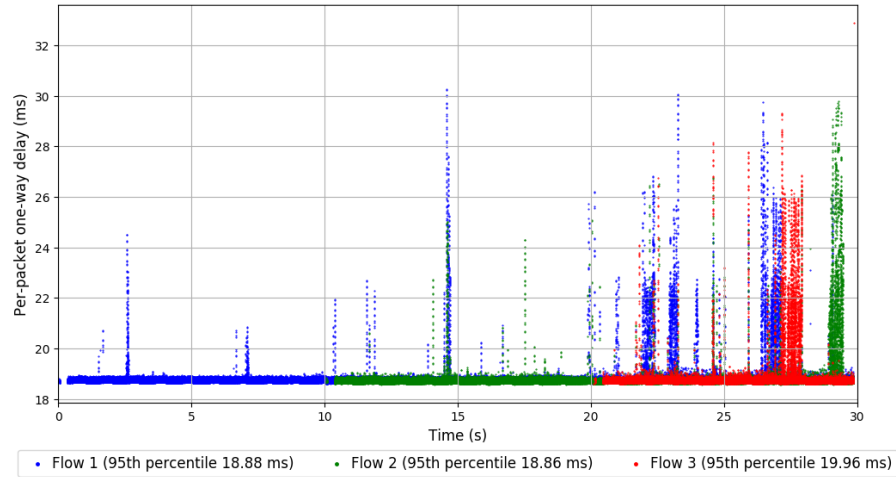
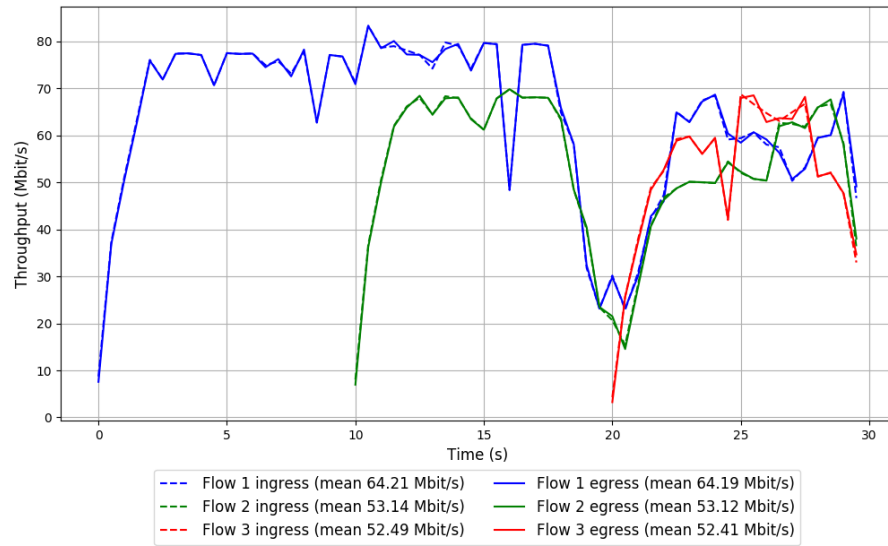


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-13 21:04:02
End at: 2018-03-13 21:04:32
Local clock offset: 1.132 ms
Remote clock offset: -6.348 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 116.60 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.19 Mbit/s
95th percentile per-packet one-way delay: 18.877 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 53.12 Mbit/s
95th percentile per-packet one-way delay: 18.857 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 52.41 Mbit/s
95th percentile per-packet one-way delay: 19.962 ms
Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link

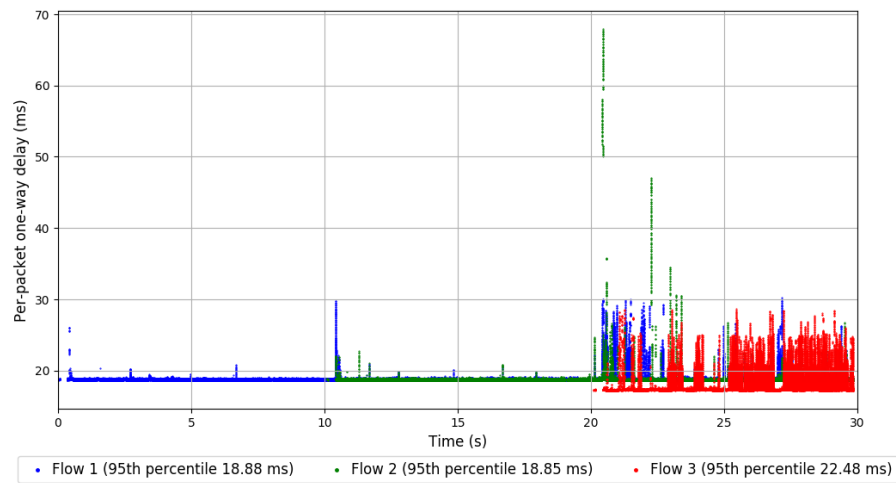
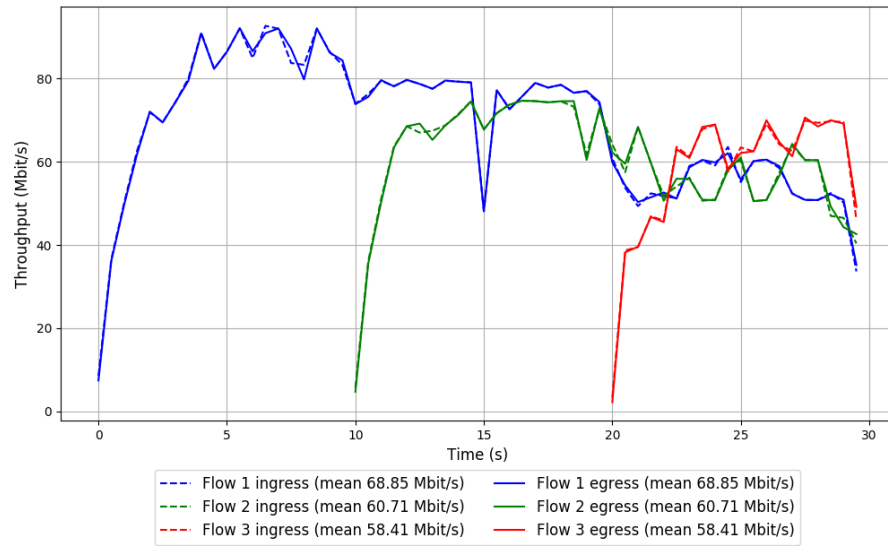


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-13 21:33:06
End at: 2018-03-13 21:33:36
Local clock offset: 0.915 ms
Remote clock offset: -6.197 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.22 Mbit/s
95th percentile per-packet one-way delay: 19.179 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.85 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 60.71 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 22.475 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

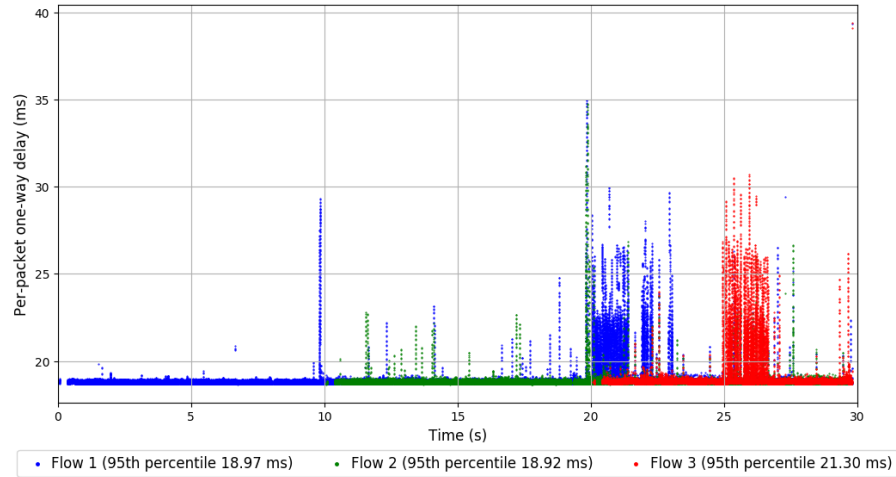
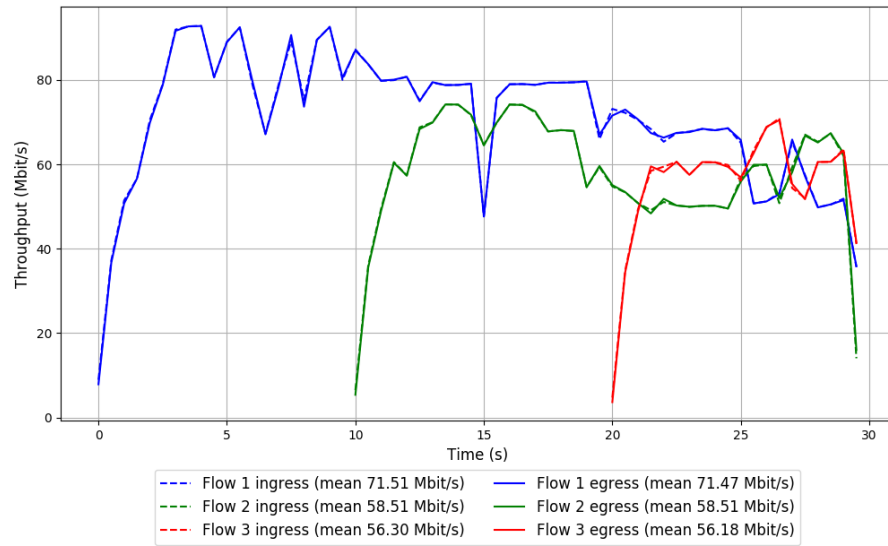


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-13 22:02:06
End at: 2018-03-13 22:02:36
Local clock offset: 0.41 ms
Remote clock offset: -6.268 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 128.65 Mbit/s
95th percentile per-packet one-way delay: 18.982 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 71.47 Mbit/s
95th percentile per-packet one-way delay: 18.970 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 58.51 Mbit/s
95th percentile per-packet one-way delay: 18.922 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 21.300 ms
Loss rate: 0.20%

Run 7: Report of QUIC Cubic — Data Link

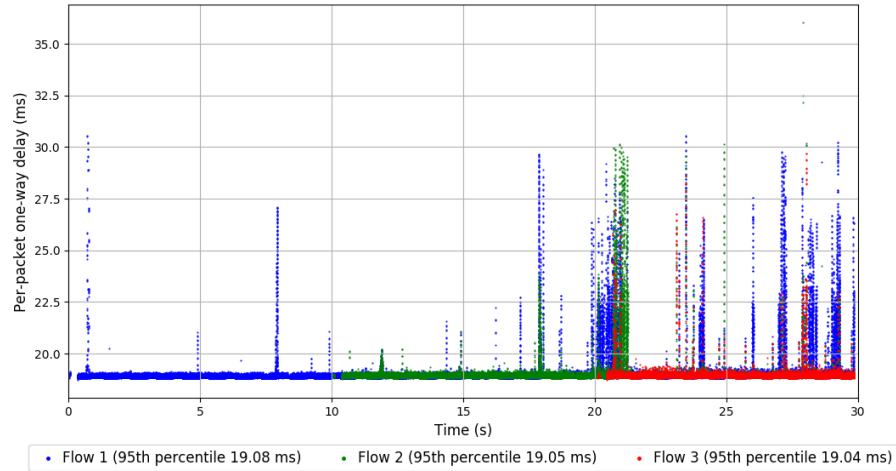
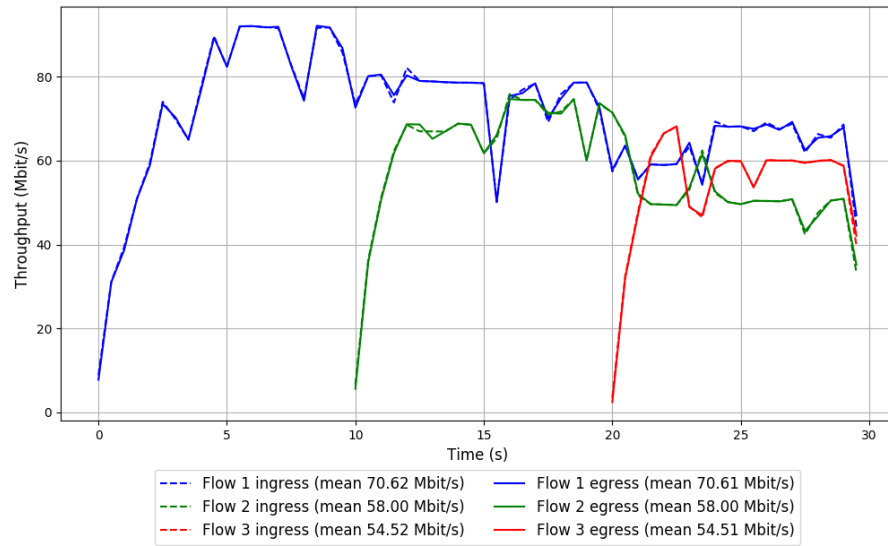


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-13 22:31:18
End at: 2018-03-13 22:31:48
Local clock offset: 0.551 ms
Remote clock offset: -6.054 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.95 Mbit/s
95th percentile per-packet one-way delay: 19.056 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.61 Mbit/s
95th percentile per-packet one-way delay: 19.077 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 19.046 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 19.042 ms
Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link

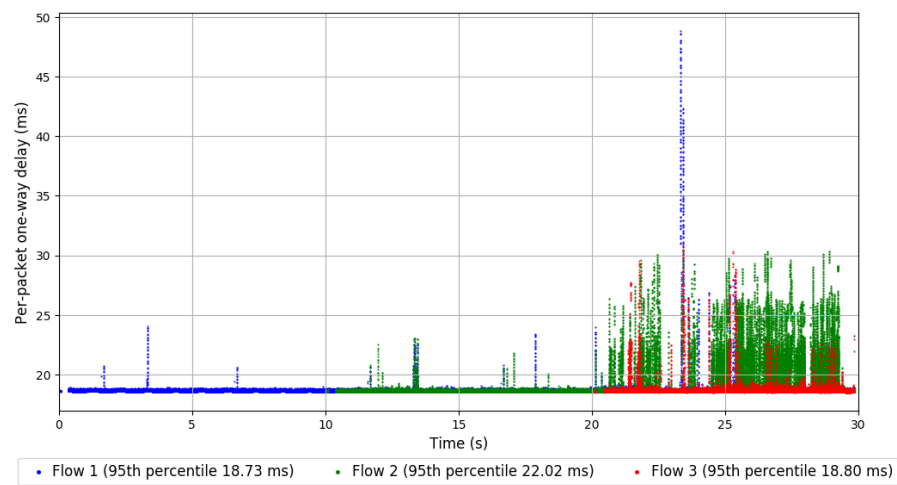
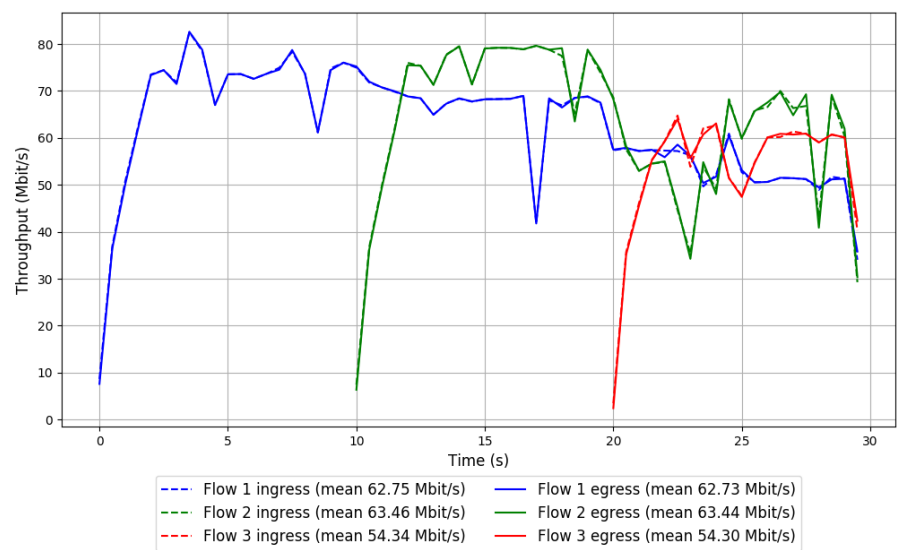


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-13 23:00:12
End at: 2018-03-13 23:00:42
Local clock offset: 0.627 ms
Remote clock offset: -4.368 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.61 Mbit/s
95th percentile per-packet one-way delay: 19.739 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.73 Mbit/s
95th percentile per-packet one-way delay: 18.728 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 22.018 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 54.30 Mbit/s
95th percentile per-packet one-way delay: 18.796 ms
Loss rate: 0.03%

Run 9: Report of QUIC Cubic — Data Link

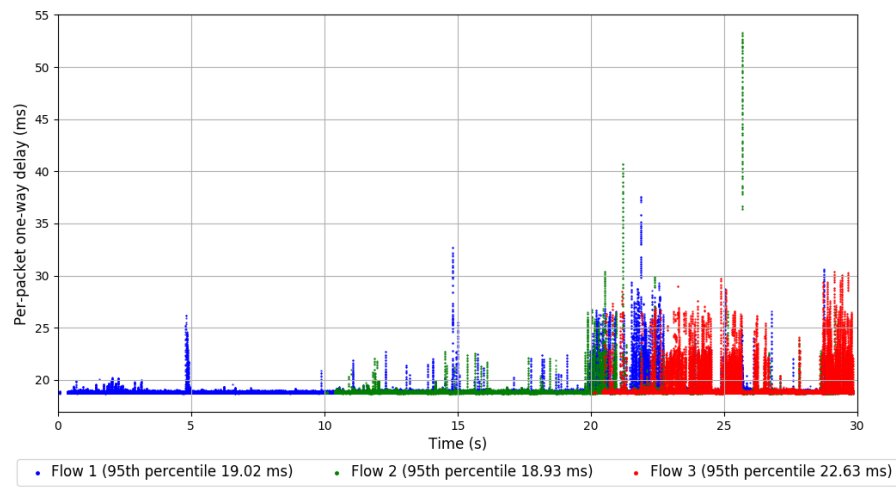
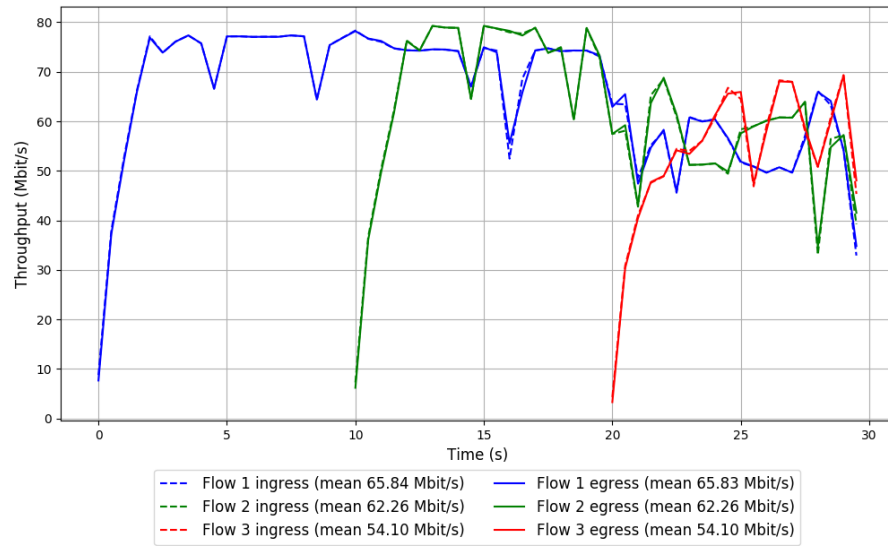


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-13 23:29:40
End at: 2018-03-13 23:30:10
Local clock offset: 0.422 ms
Remote clock offset: -3.302 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 124.89 Mbit/s
95th percentile per-packet one-way delay: 20.001 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.83 Mbit/s
95th percentile per-packet one-way delay: 19.020 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.26 Mbit/s
95th percentile per-packet one-way delay: 18.931 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 22.632 ms
Loss rate: 0.01%

Run 10: Report of QUIC Cubic — Data Link

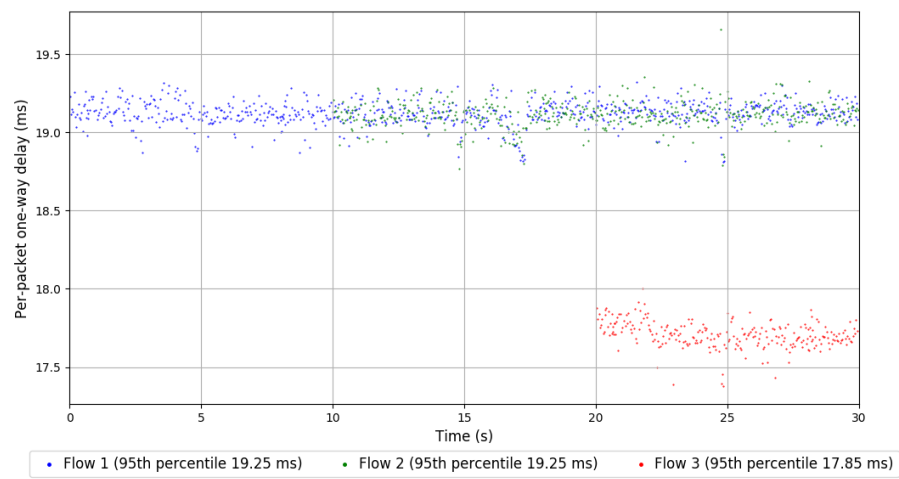
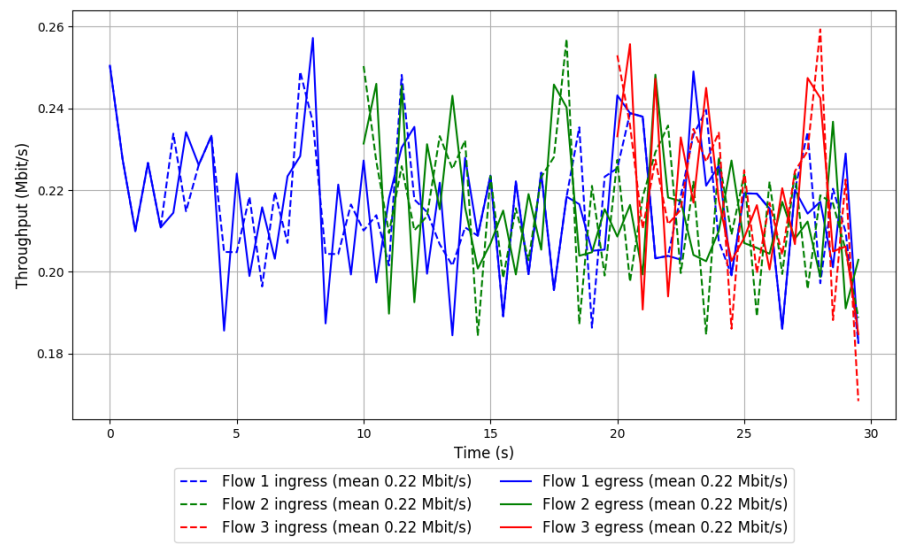


```
Run 1: Statistics of SCReAM

Start at: 2018-03-13 18:59:24
End at: 2018-03-13 18:59:54
Local clock offset: 1.153 ms
Remote clock offset: -5.162 ms

# Below is generated by plot.py at 2018-03-14 03:16:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.846 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

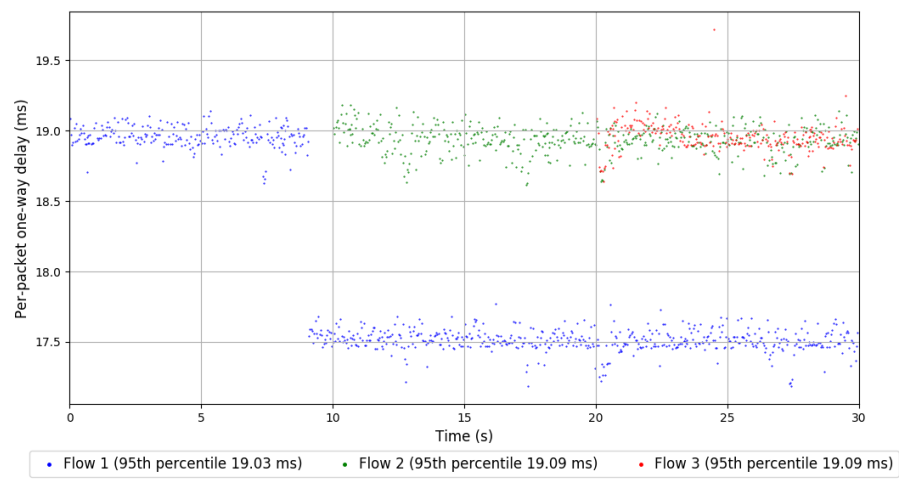
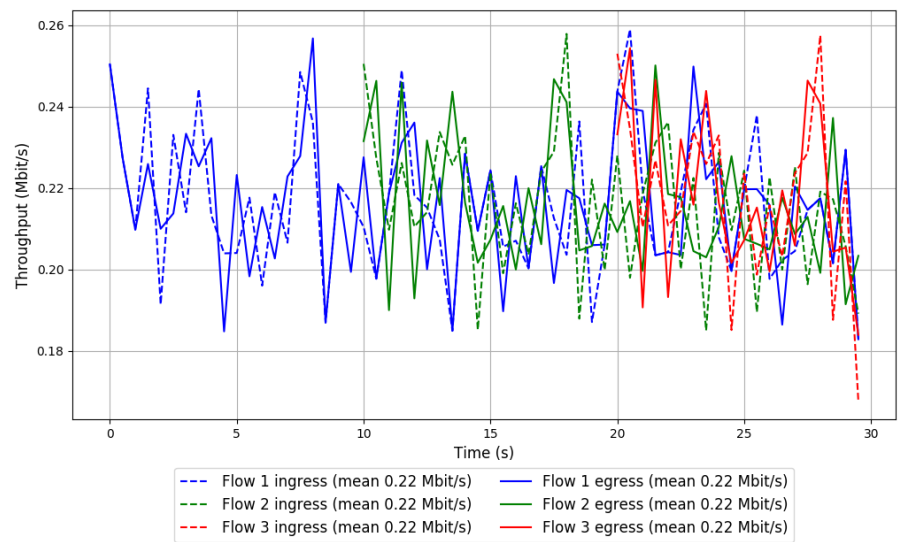


```
Run 2: Statistics of SReAM

Start at: 2018-03-13 19:29:21
End at: 2018-03-13 19:29:51
Local clock offset: 1.021 ms
Remote clock offset: -5.083 ms

# Below is generated by plot.py at 2018-03-14 03:16:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.090 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

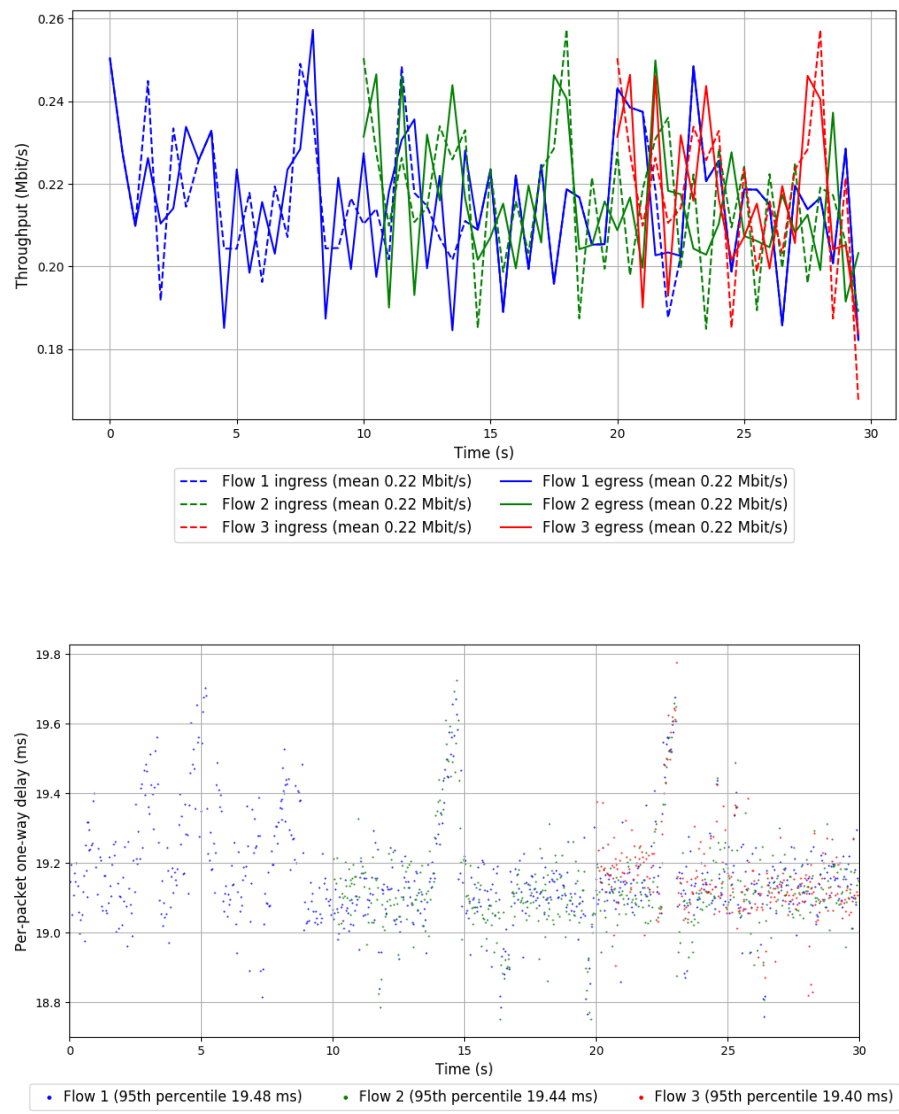


Run 3: Statistics of SReAM

Start at: 2018-03-13 19:58:52
End at: 2018-03-13 19:59:22
Local clock offset: 0.898 ms
Remote clock offset: -5.068 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.467 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.482 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.443 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

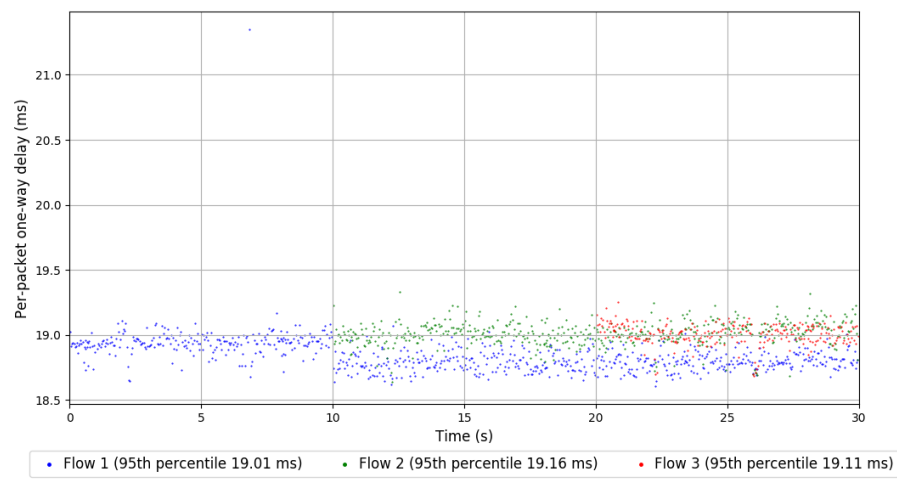
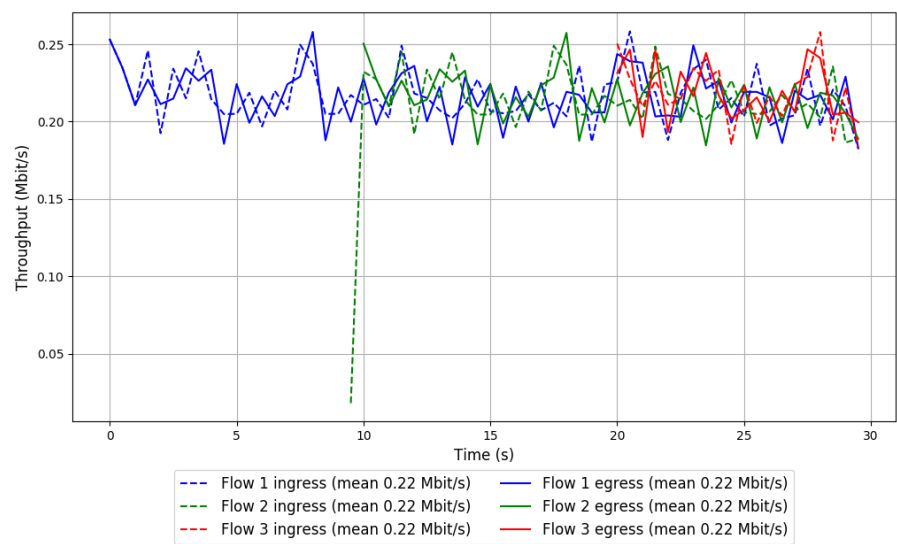


Run 4: Statistics of SReAM

Start at: 2018-03-13 20:28:15
End at: 2018-03-13 20:28:45
Local clock offset: 0.897 ms
Remote clock offset: -6.371 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.157 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.110 ms
Loss rate: 0.00%

Run 4: Report of SCSReAM — Data Link

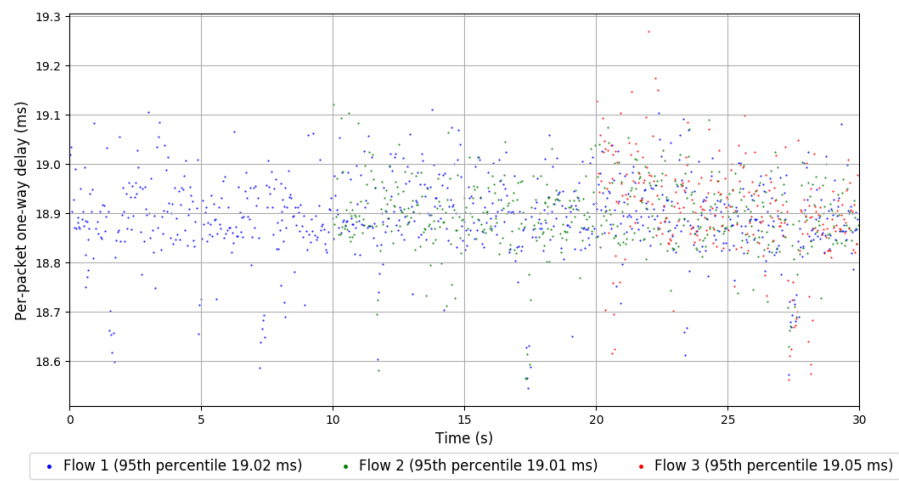
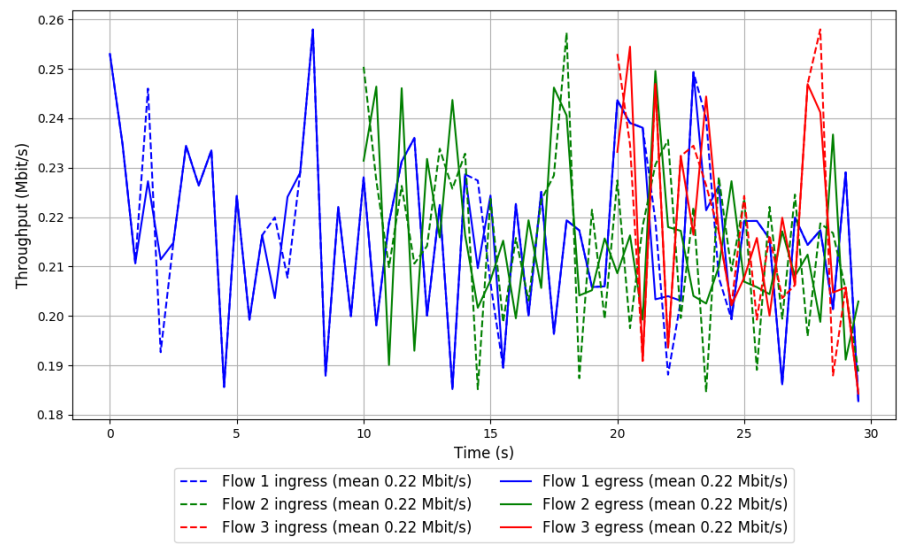


Run 5: Statistics of SReAM

Start at: 2018-03-13 20:57:40
End at: 2018-03-13 20:58:10
Local clock offset: 1.38 ms
Remote clock offset: -6.342 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.049 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

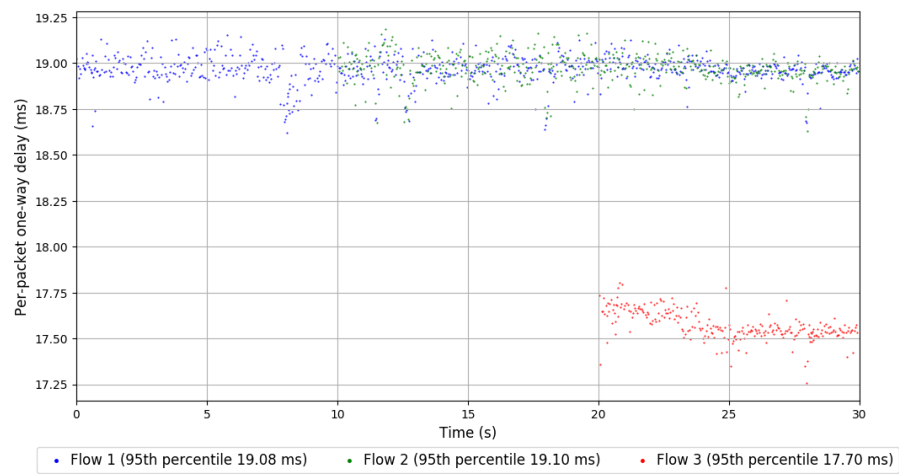
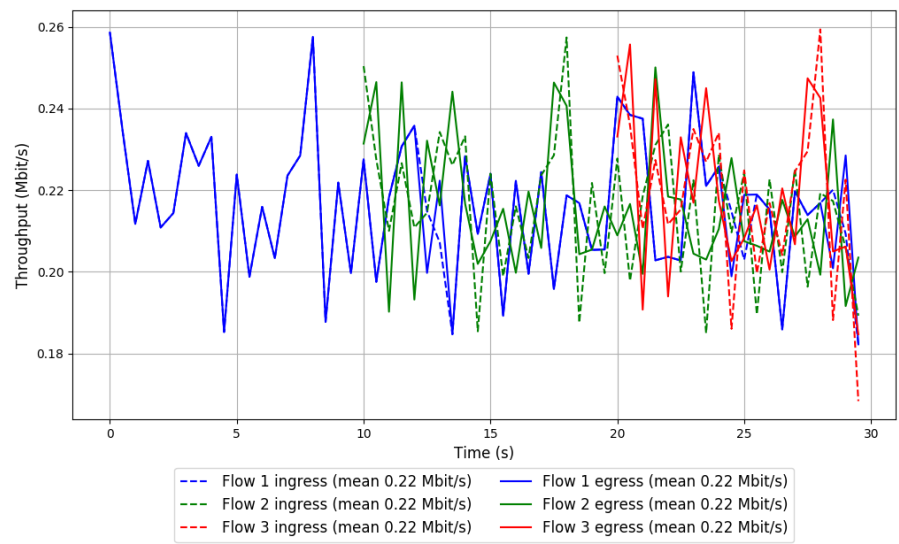


Run 6: Statistics of SReAM

Start at: 2018-03-13 21:26:59
End at: 2018-03-13 21:27:29
Local clock offset: 1.137 ms
Remote clock offset: -6.152 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.080 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.698 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

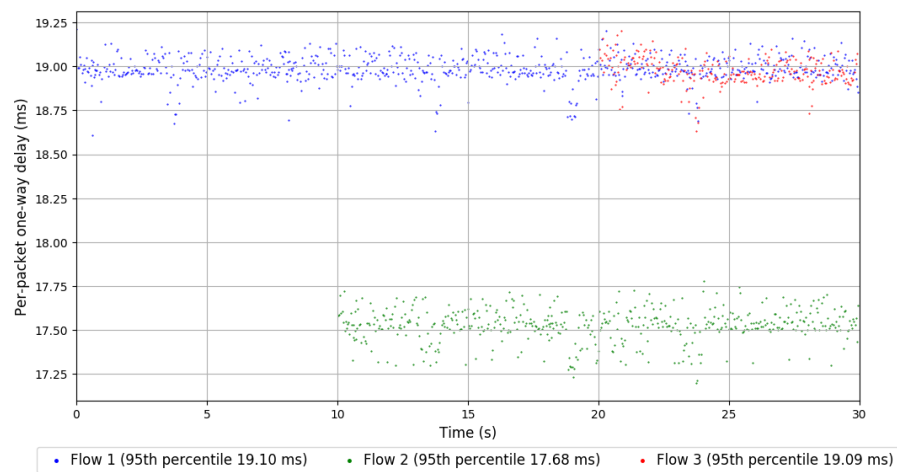
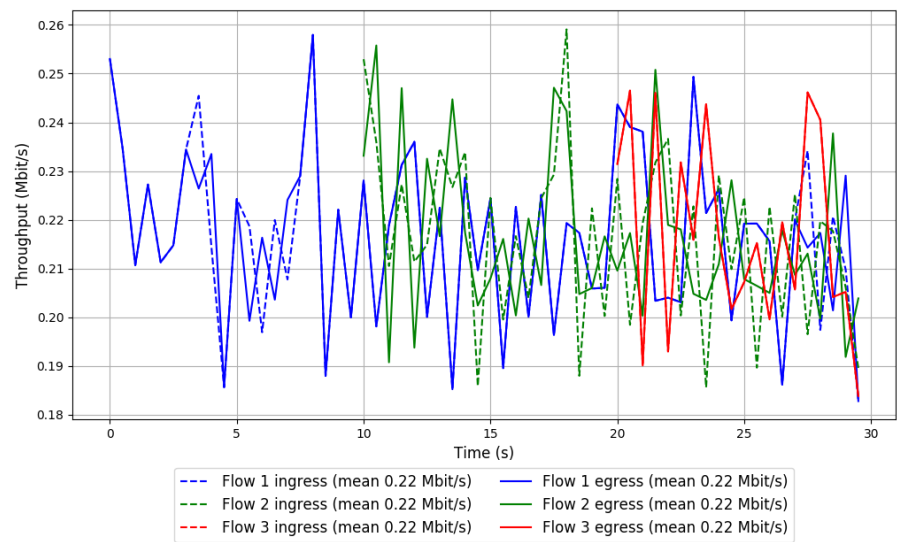


Run 7: Statistics of SReAM

Start at: 2018-03-13 21:55:52
End at: 2018-03-13 21:56:22
Local clock offset: 0.558 ms
Remote clock offset: -6.234 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

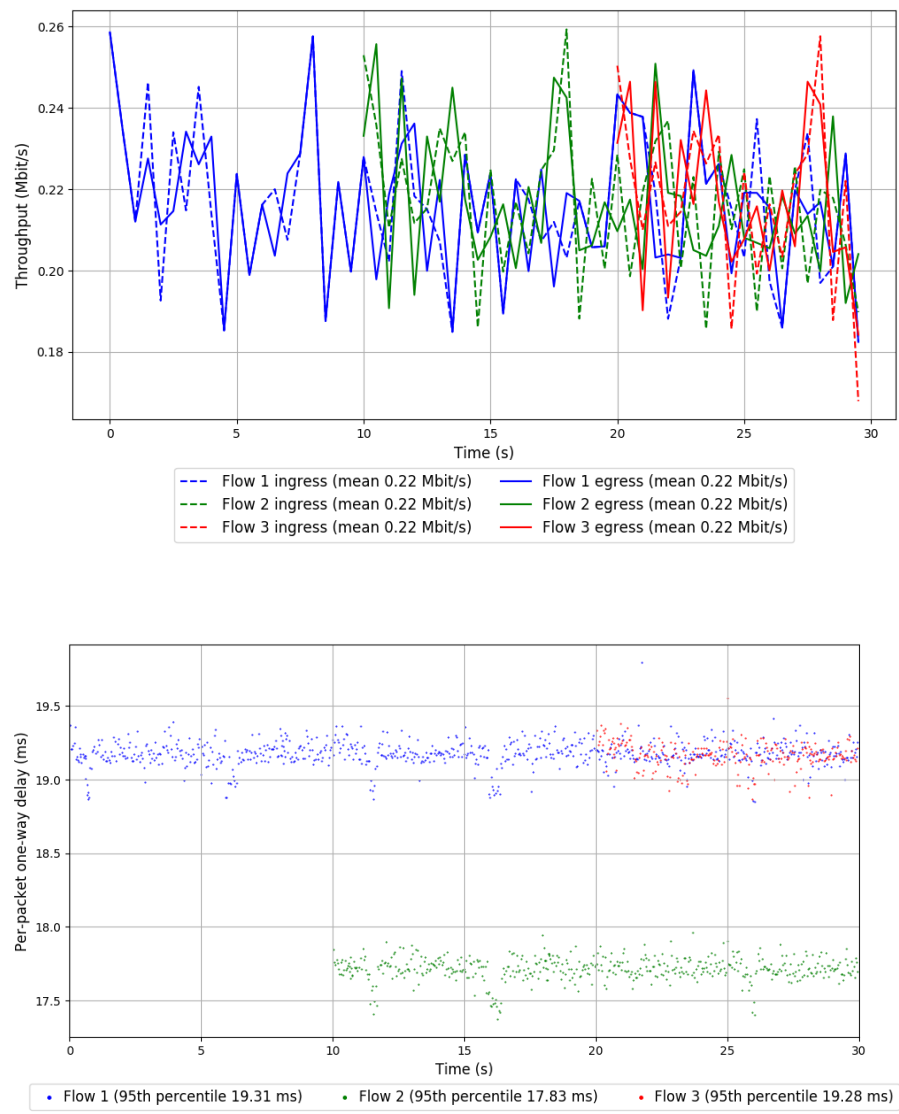


Run 8: Statistics of SReAM

Start at: 2018-03-13 22:25:00
End at: 2018-03-13 22:25:30
Local clock offset: 0.562 ms
Remote clock offset: -6.067 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.310 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.831 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.283 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

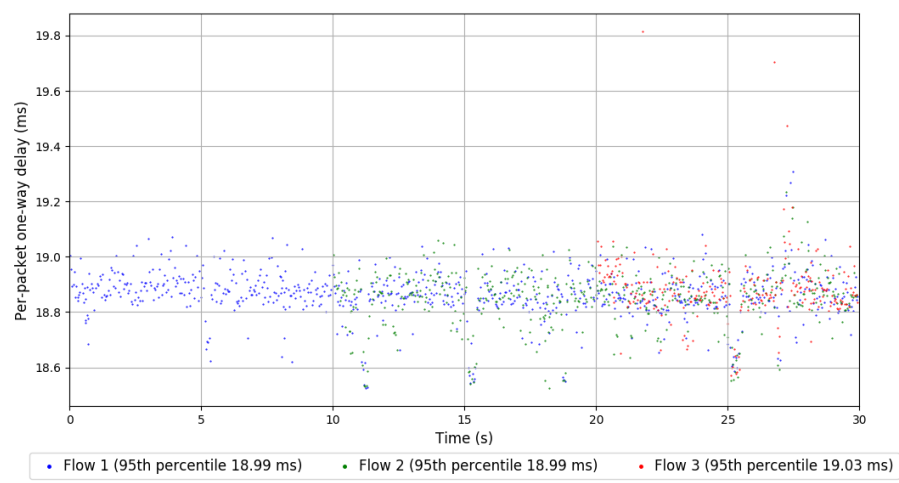
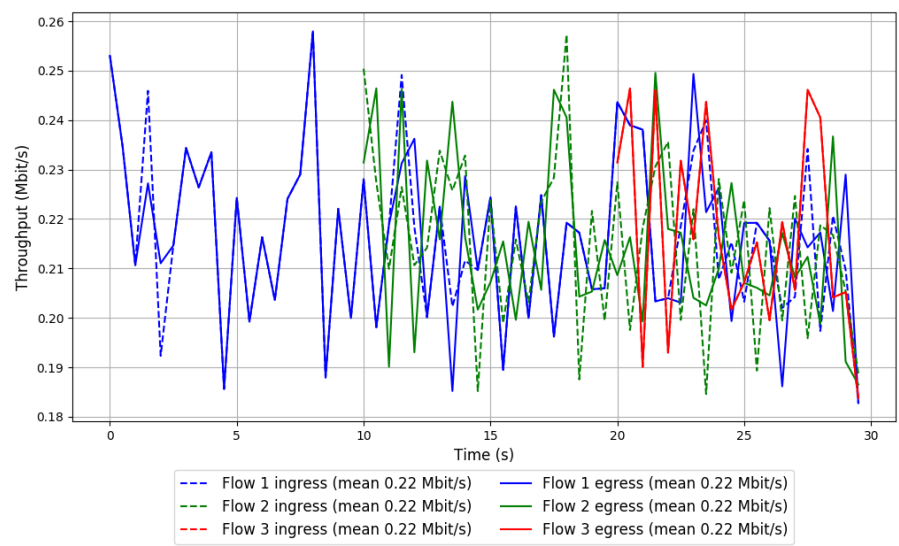


Run 9: Statistics of SReAM

Start at: 2018-03-13 22:54:00
End at: 2018-03-13 22:54:30
Local clock offset: 0.688 ms
Remote clock offset: -4.909 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.993 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.029 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

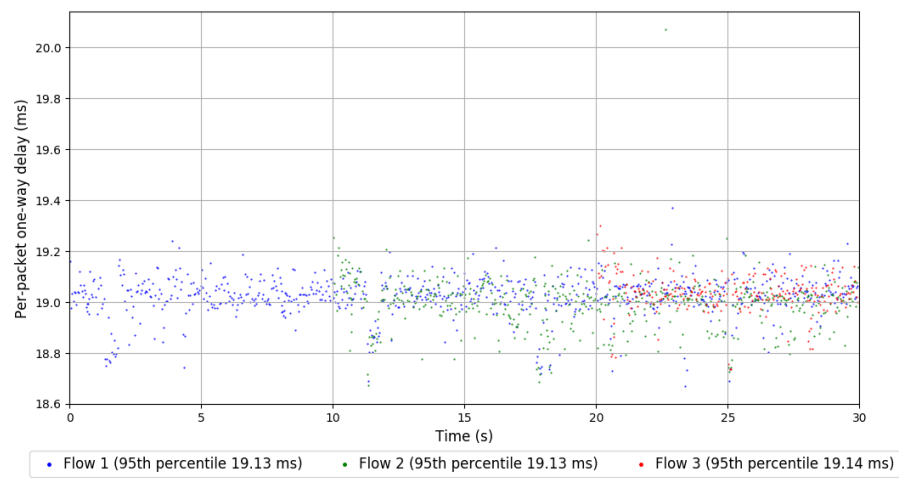
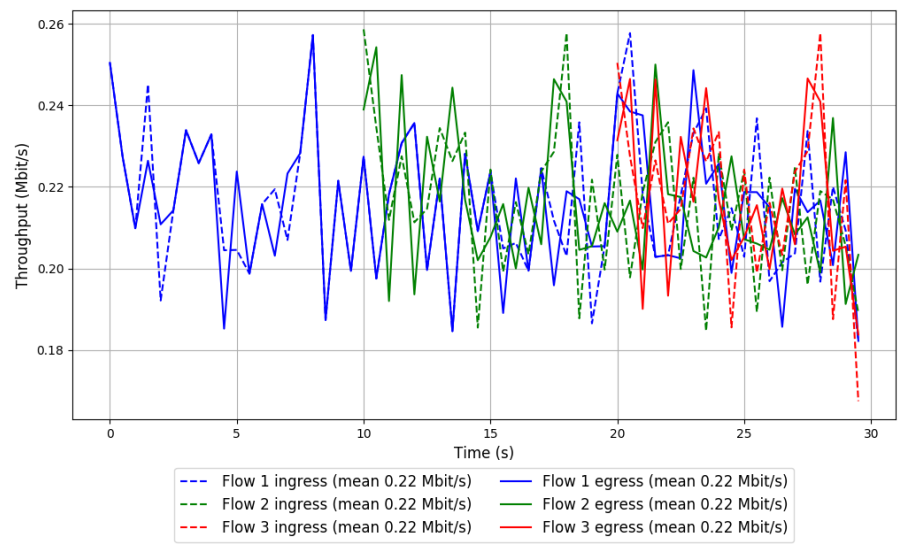


Run 10: Statistics of SReAM

Start at: 2018-03-13 23:23:23
End at: 2018-03-13 23:23:54
Local clock offset: 0.532 ms
Remote clock offset: -3.387 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

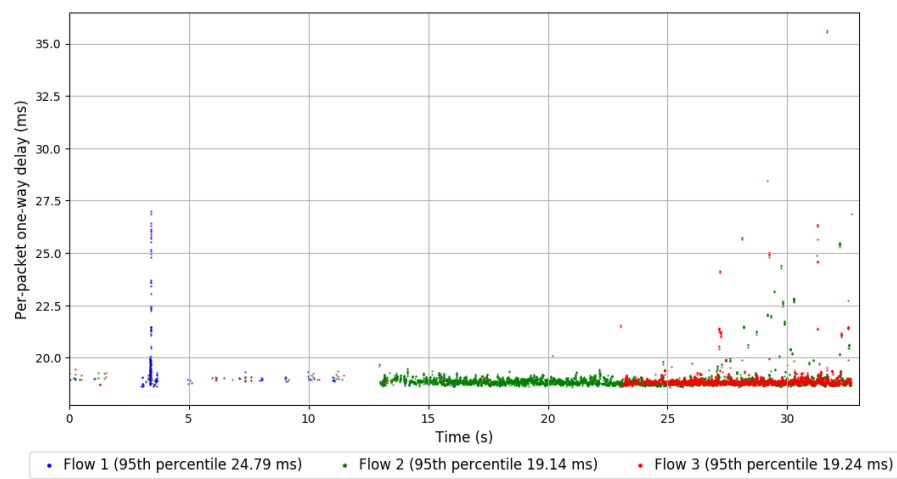
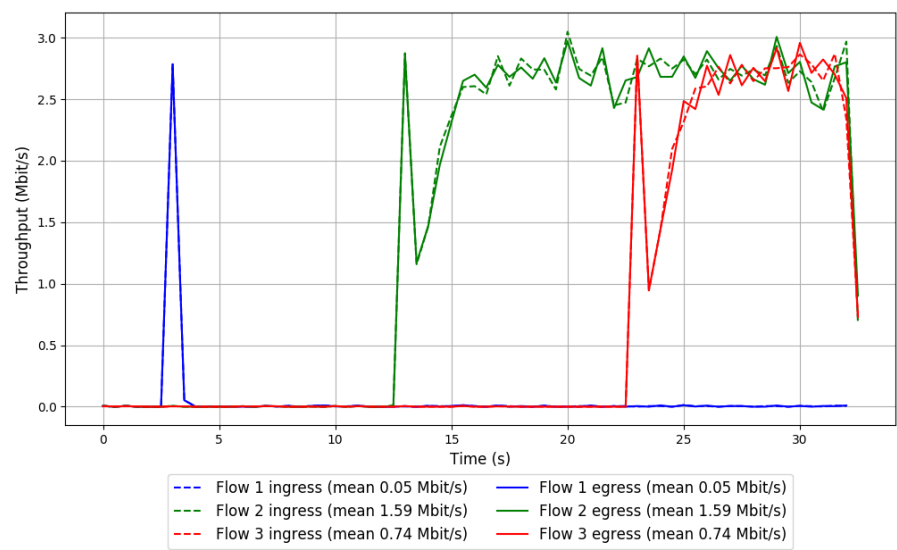


Run 1: Statistics of WebRTC media

Start at: 2018-03-13 19:21:17
End at: 2018-03-13 19:21:47
Local clock offset: 1.076 ms
Remote clock offset: -5.293 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 19.222 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 24.790 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 19.238 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

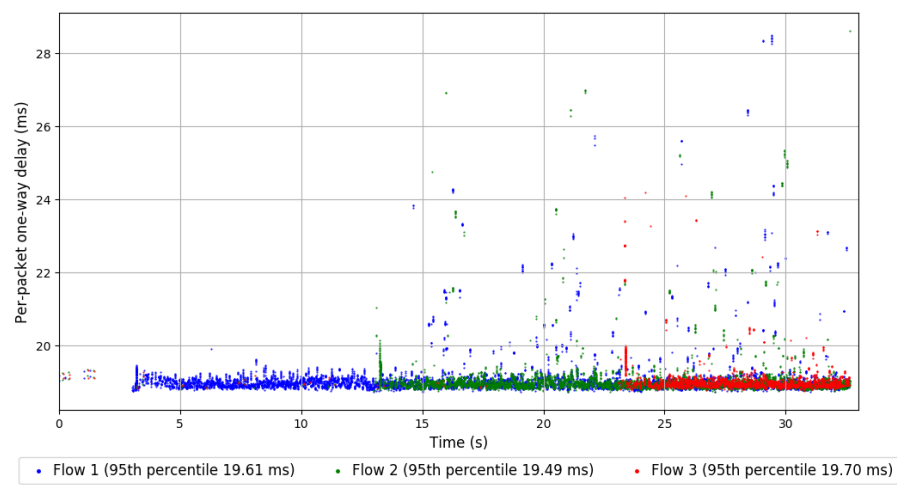
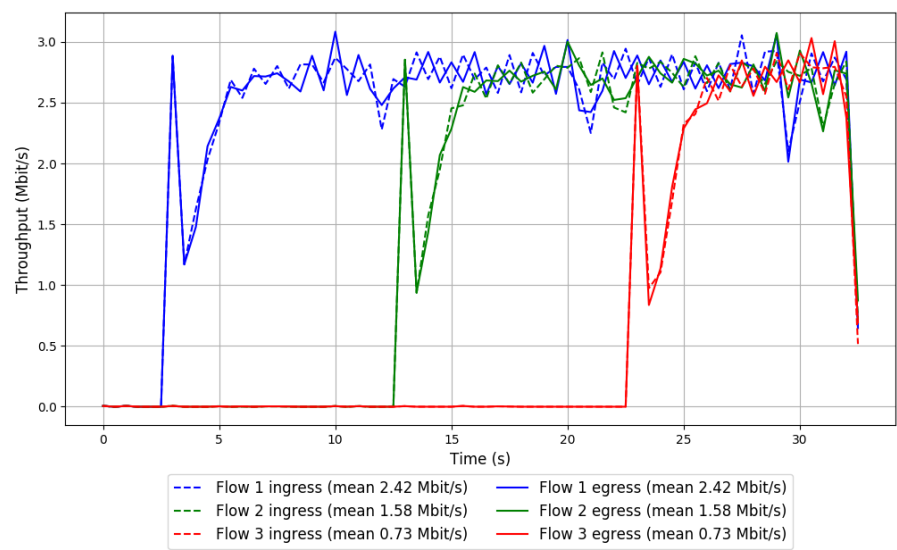


Run 2: Statistics of WebRTC media

Start at: 2018-03-13 19:50:55
End at: 2018-03-13 19:51:25
Local clock offset: 0.794 ms
Remote clock offset: -4.653 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 19.594 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 19.614 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 19.703 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

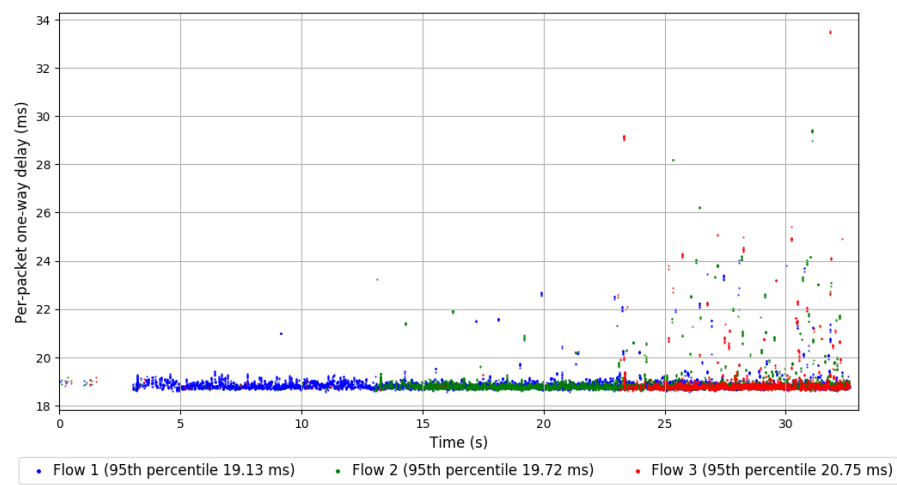
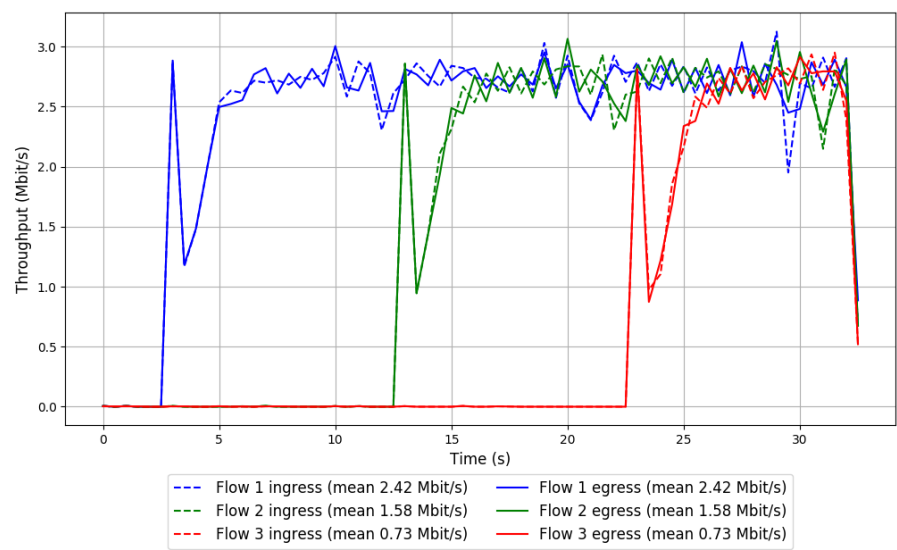


Run 3: Statistics of WebRTC media

Start at: 2018-03-13 20:20:09
End at: 2018-03-13 20:20:39
Local clock offset: 0.761 ms
Remote clock offset: -6.267 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.723 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 20.748 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-13 20:49:38

End at: 2018-03-13 20:50:08

Local clock offset: 1.346 ms

Remote clock offset: -6.3 ms

Below is generated by plot.py at 2018-03-14 03:16:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 19.141 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 19.207 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 19.107 ms

Loss rate: 0.00%

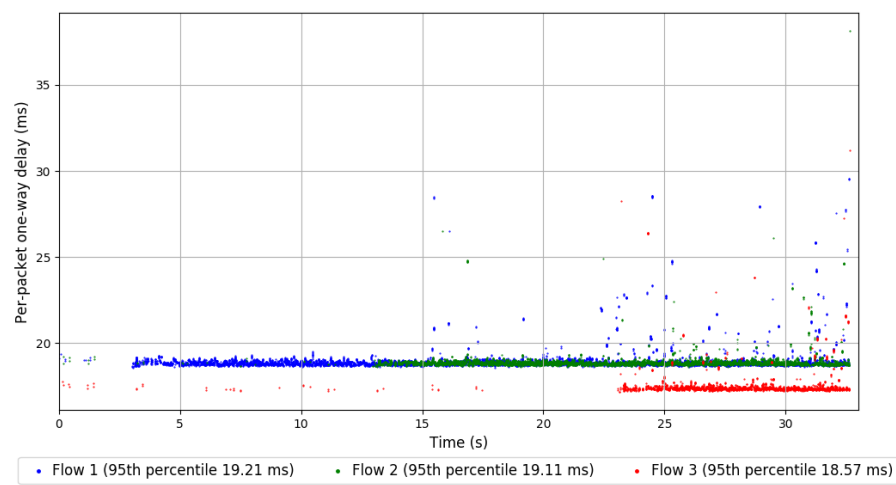
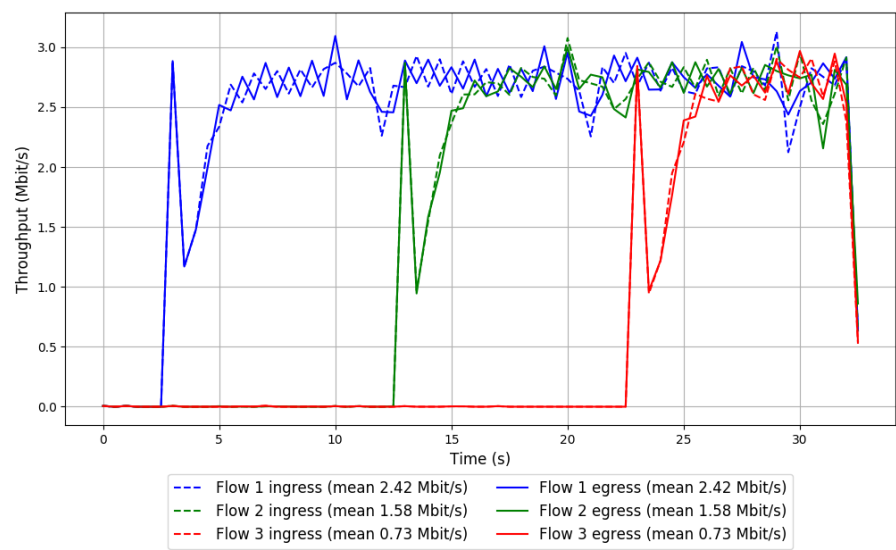
-- Flow 3:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 18.569 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

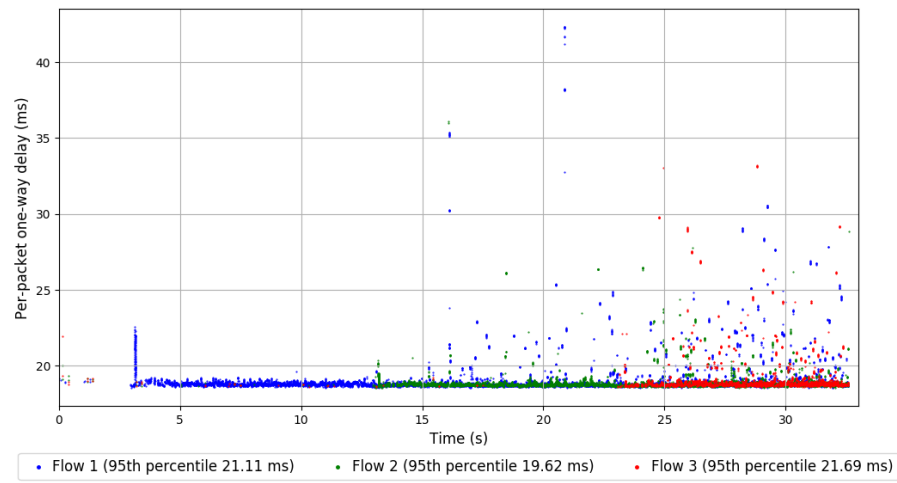
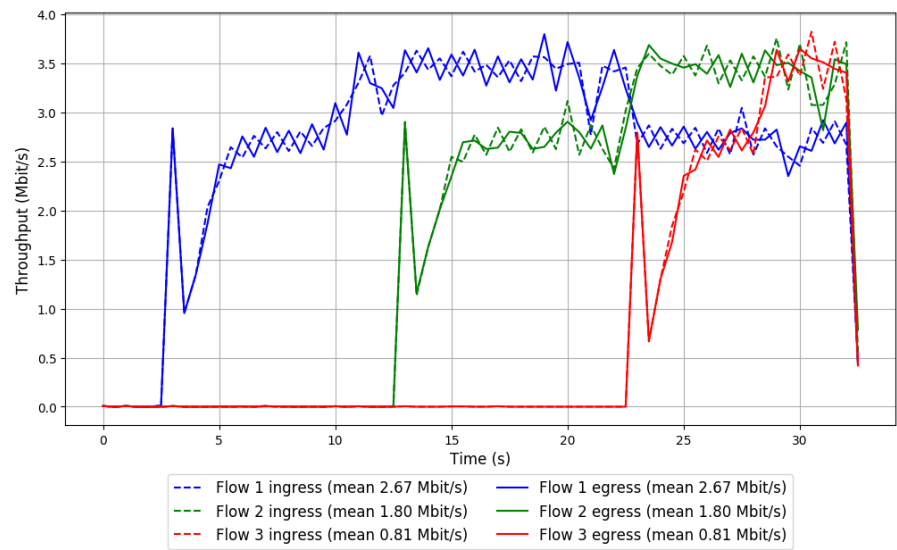


Run 5: Statistics of WebRTC media

Start at: 2018-03-13 21:19:03
End at: 2018-03-13 21:19:33
Local clock offset: 1.113 ms
Remote clock offset: -6.165 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 20.679 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 21.109 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 19.624 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 21.694 ms
Loss rate: 0.04%

Run 5: Report of WebRTC media — Data Link

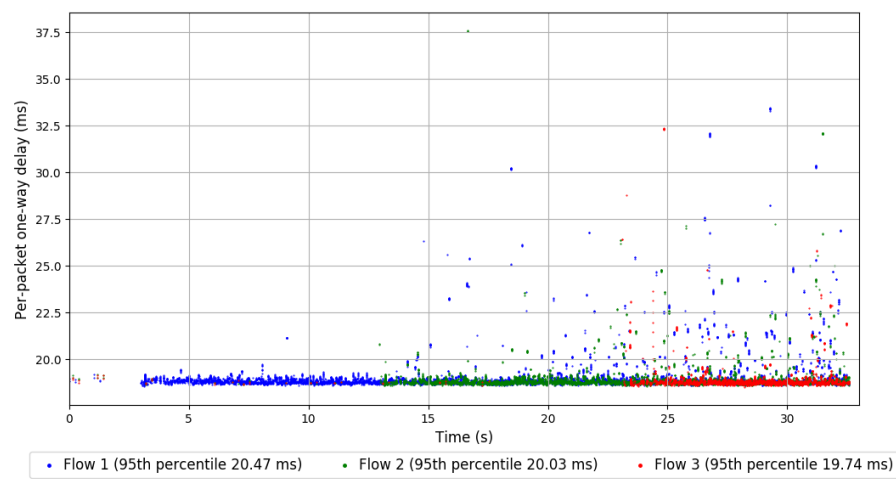
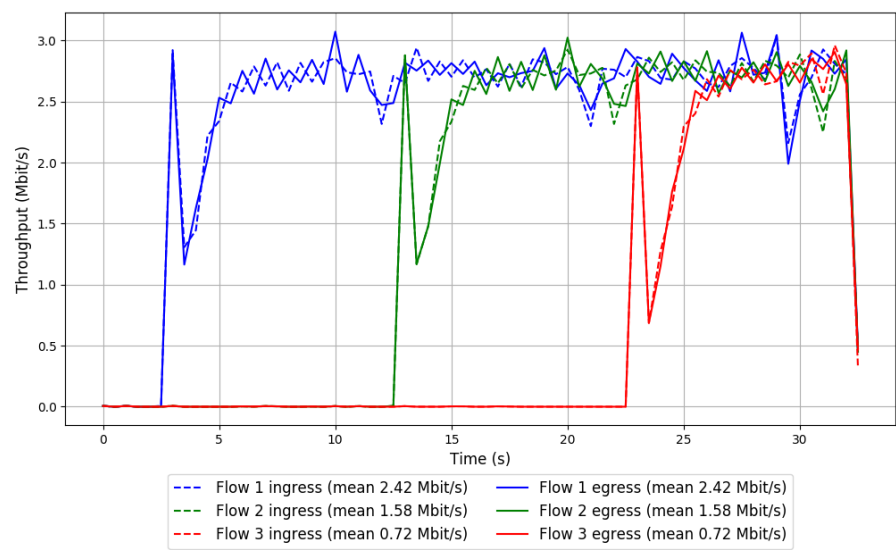


Run 6: Statistics of WebRTC media

Start at: 2018-03-13 21:48:02
End at: 2018-03-13 21:48:32
Local clock offset: 0.649 ms
Remote clock offset: -6.222 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.72 Mbit/s
95th percentile per-packet one-way delay: 20.167 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 20.468 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 20.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 19.741 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

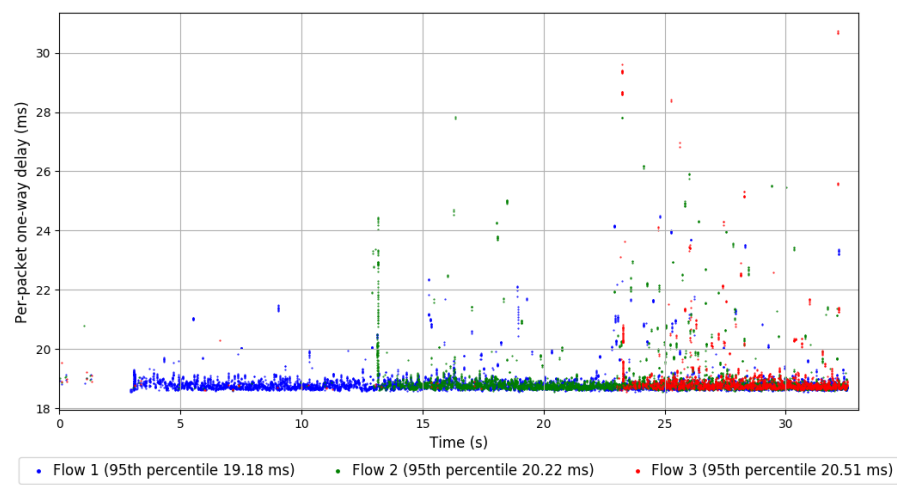
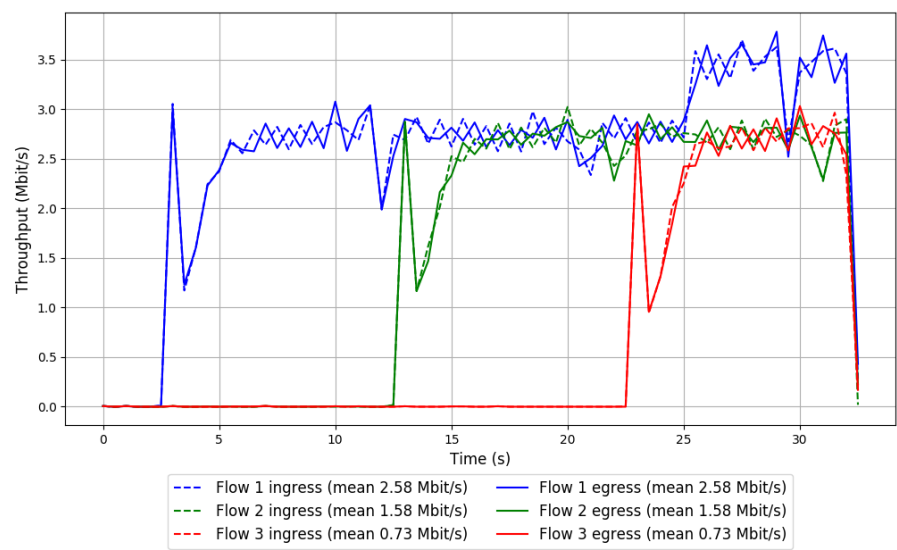


Run 7: Statistics of WebRTC media

Start at: 2018-03-13 22:17:03
End at: 2018-03-13 22:17:33
Local clock offset: 0.616 ms
Remote clock offset: -6.255 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 19.855 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 20.217 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 20.508 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

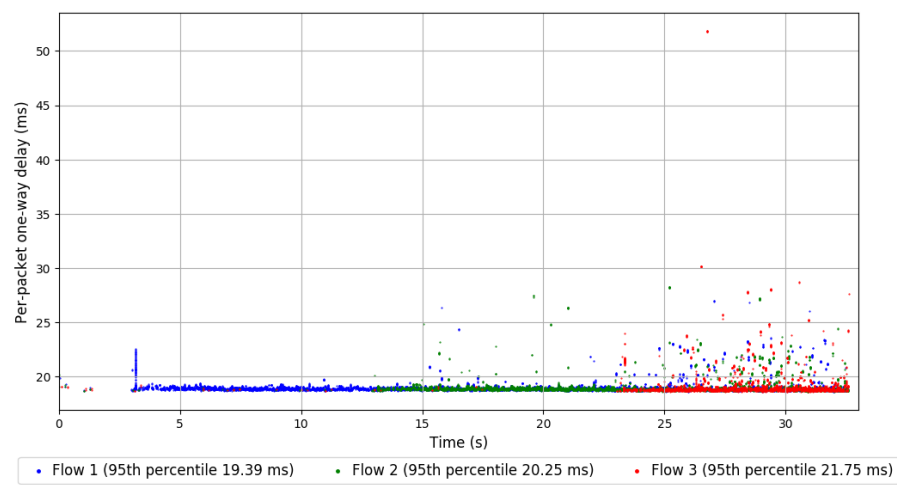
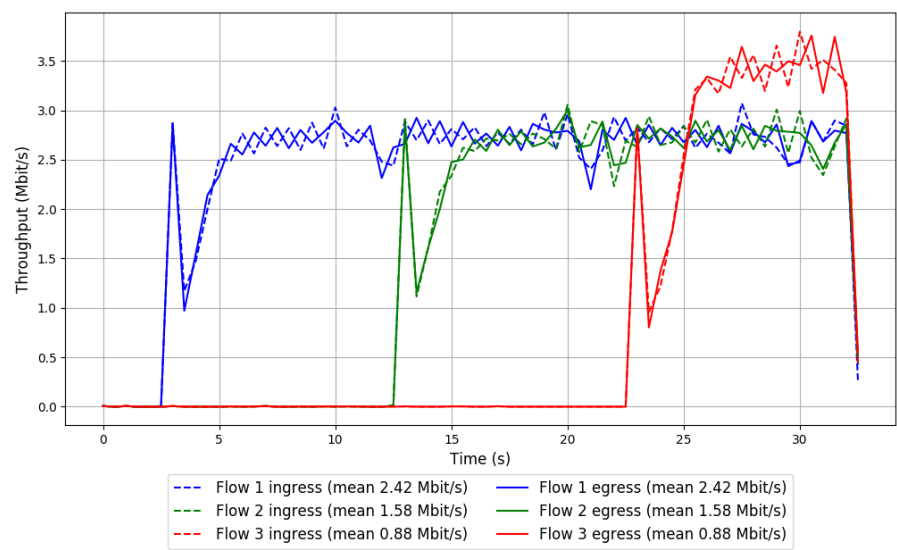


Run 8: Statistics of WebRTC media

Start at: 2018-03-13 22:46:07
End at: 2018-03-13 22:46:37
Local clock offset: 0.629 ms
Remote clock offset: -6.088 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 20.234 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 20.254 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 21.748 ms
Loss rate: 0.03%

Run 8: Report of WebRTC media — Data Link

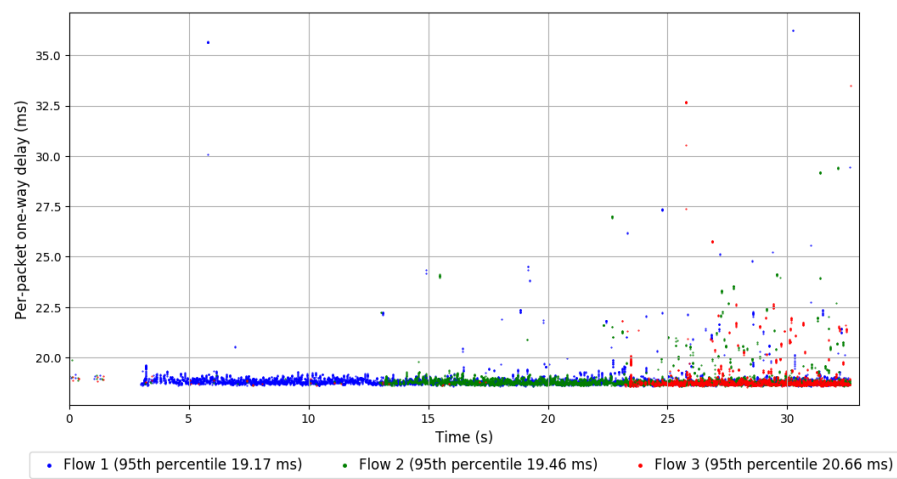
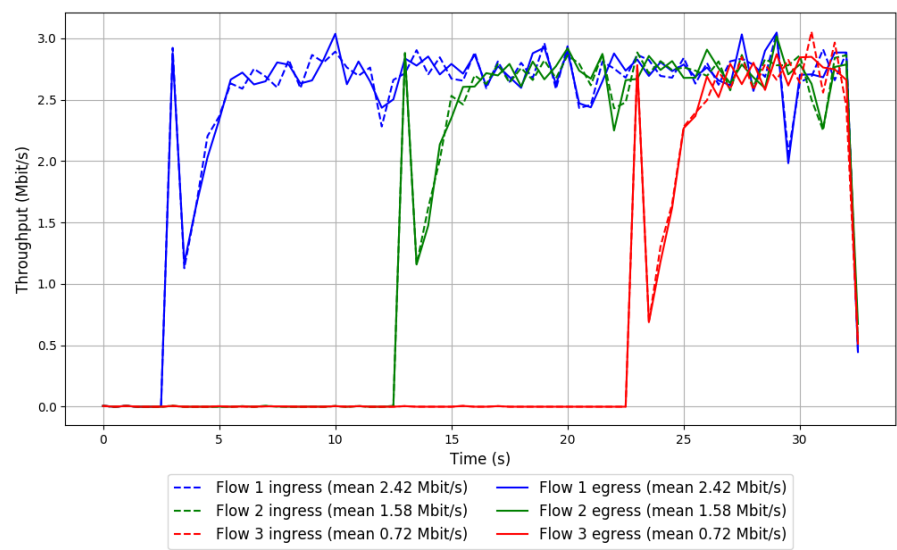


Run 9: Statistics of WebRTC media

Start at: 2018-03-13 23:15:12
End at: 2018-03-13 23:15:42
Local clock offset: 0.411 ms
Remote clock offset: -3.701 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 19.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 19.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 20.661 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

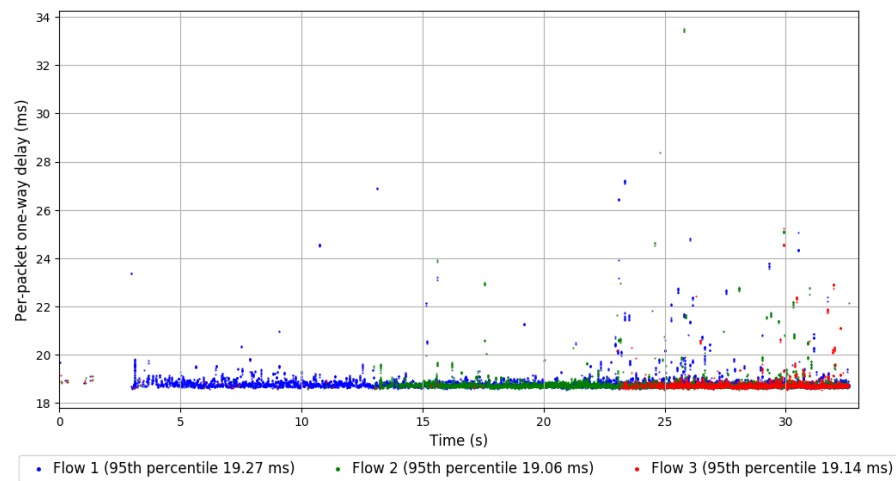
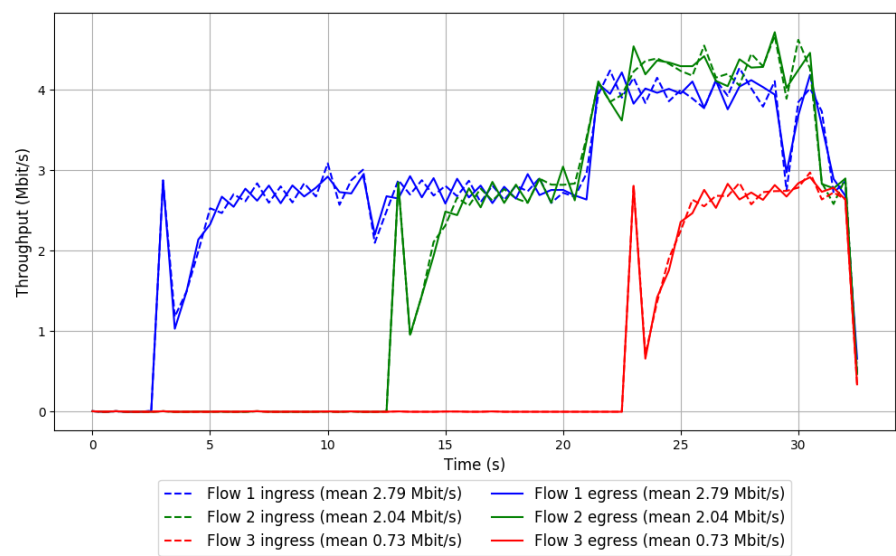


Run 10: Statistics of WebRTC media

Start at: 2018-03-13 23:44:34
End at: 2018-03-13 23:45:04
Local clock offset: 0.508 ms
Remote clock offset: -2.954 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 19.269 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 19.139 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

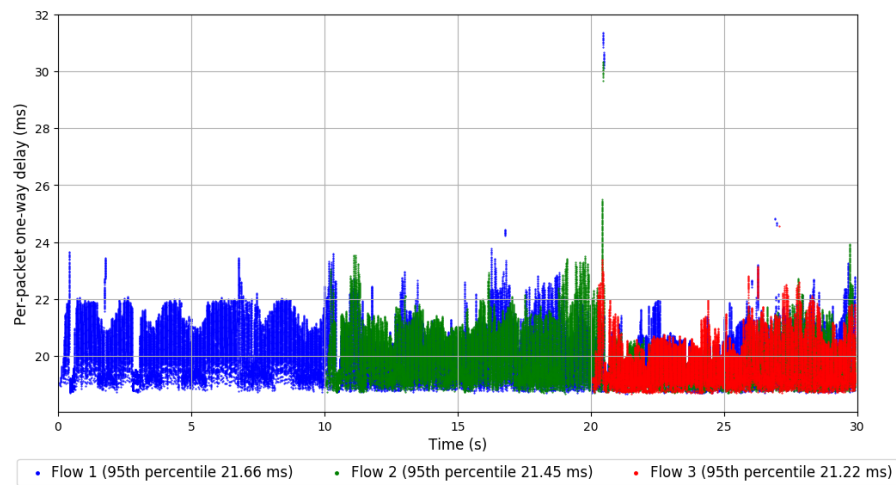
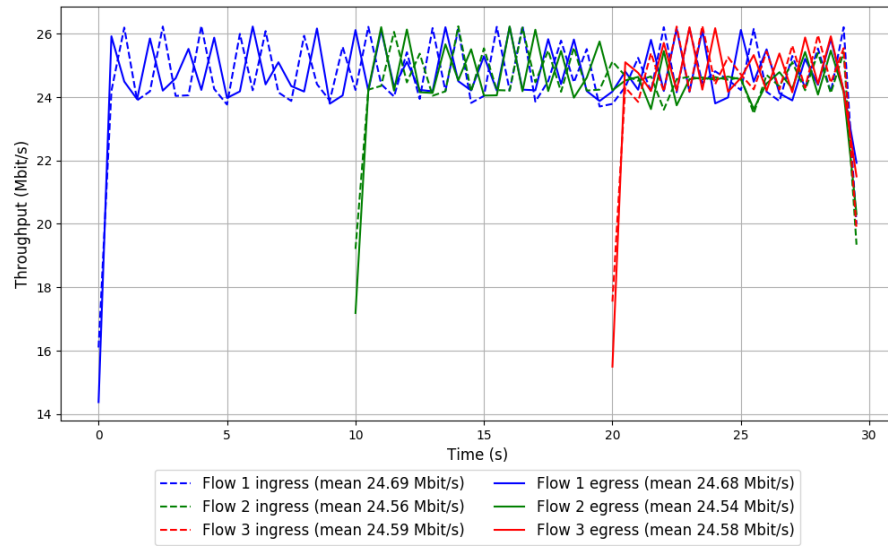


Run 1: Statistics of Sprout

Start at: 2018-03-13 19:02:39
End at: 2018-03-13 19:03:09
Local clock offset: 1.239 ms
Remote clock offset: -5.212 ms

Below is generated by plot.py at 2018-03-14 03:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.13 Mbit/s
95th percentile per-packet one-way delay: 21.549 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 21.660 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.446 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 21.216 ms
Loss rate: 0.02%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-03-13 19:32:35

End at: 2018-03-13 19:33:05

Local clock offset: 1.019 ms

Remote clock offset: -5.02 ms

Below is generated by plot.py at 2018-03-14 03:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.23 Mbit/s

95th percentile per-packet one-way delay: 21.090 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 20.050 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 21.261 ms

Loss rate: 0.00%

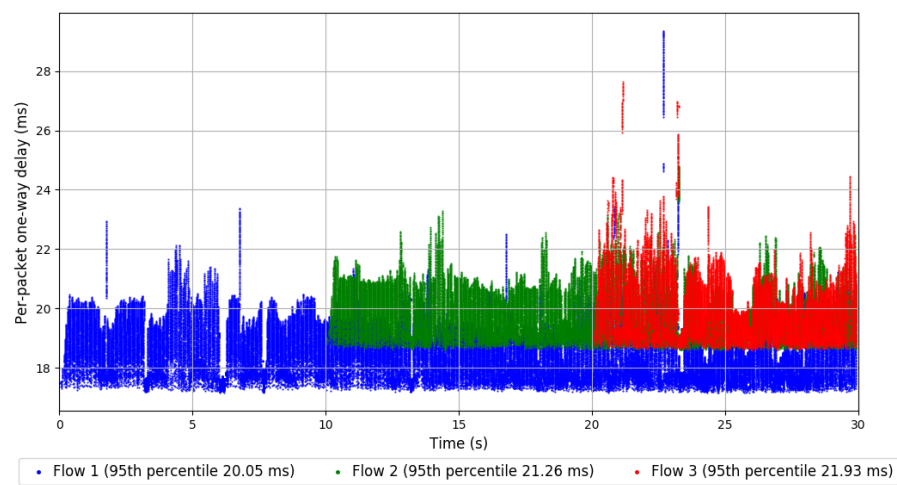
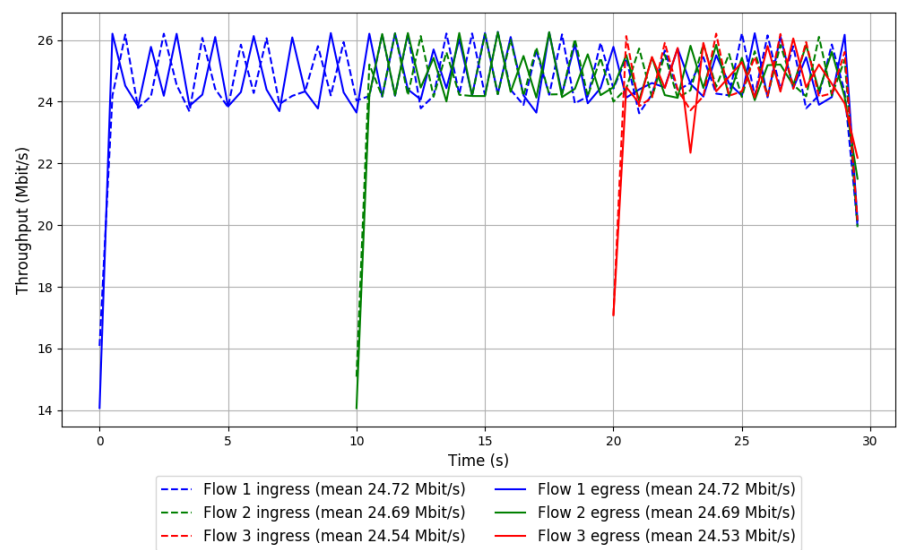
-- Flow 3:

Average throughput: 24.53 Mbit/s

95th percentile per-packet one-way delay: 21.932 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

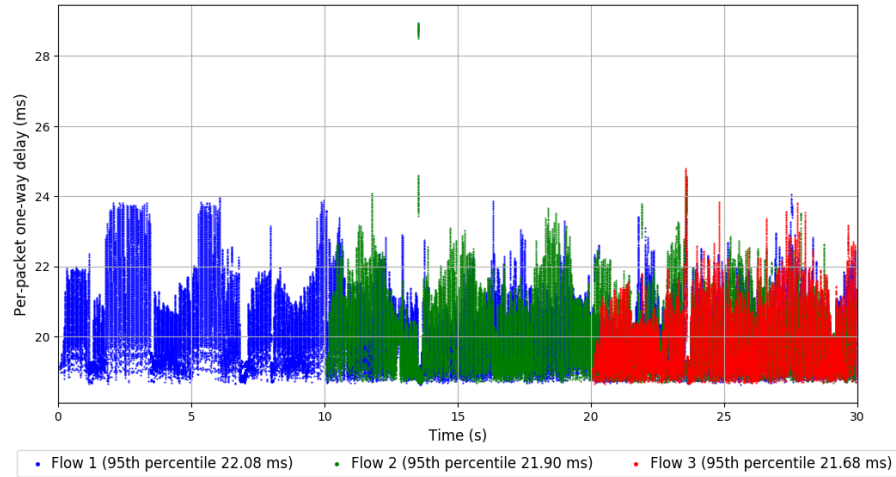
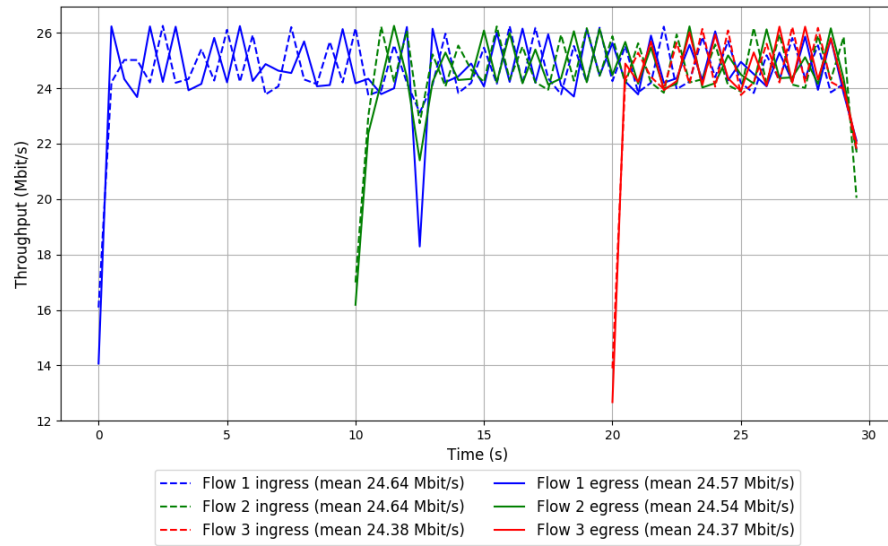


Run 3: Statistics of Sprout

Start at: 2018-03-13 20:02:05
End at: 2018-03-13 20:02:35
Local clock offset: 0.876 ms
Remote clock offset: -5.483 ms

Below is generated by plot.py at 2018-03-14 03:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 48.95 Mbit/s
95th percentile per-packet one-way delay: 21.945 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 22.080 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 21.896 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 21.685 ms
Loss rate: 0.03%

Run 3: Report of Sprout — Data Link

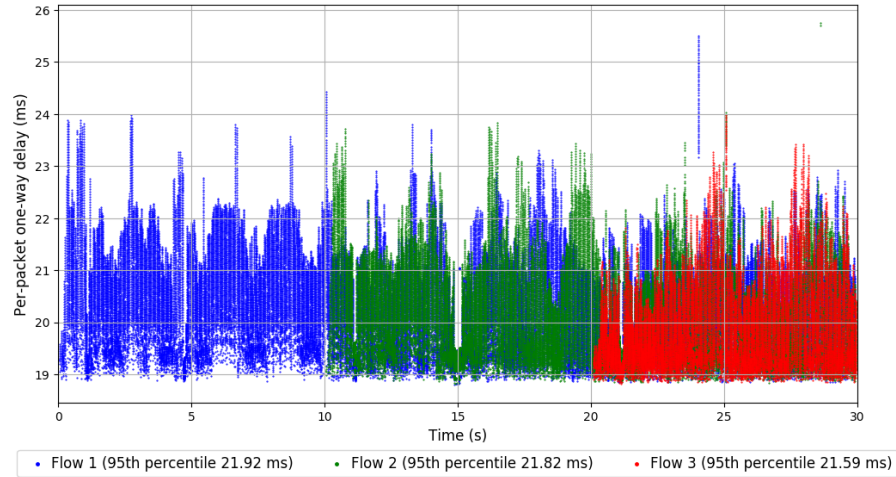
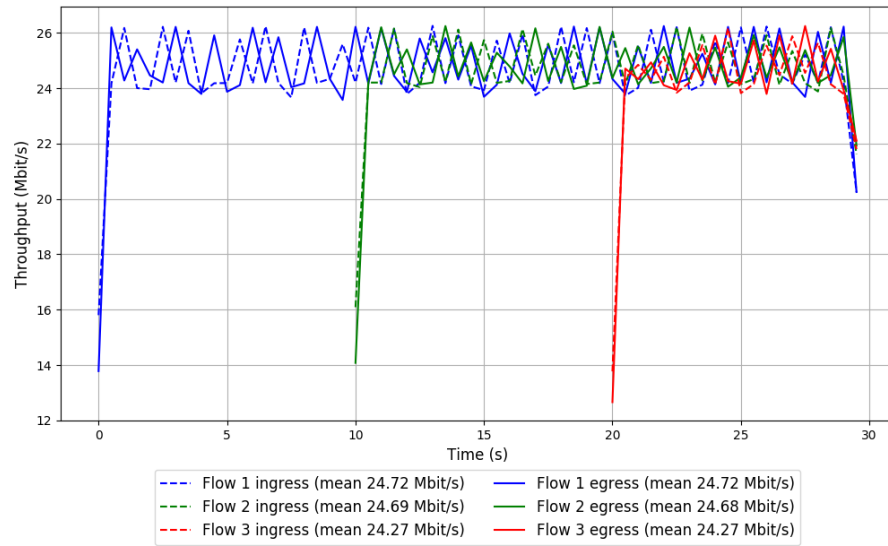


Run 4: Statistics of Sprout

Start at: 2018-03-13 20:31:27
End at: 2018-03-13 20:31:57
Local clock offset: 0.806 ms
Remote clock offset: -6.287 ms

Below is generated by plot.py at 2018-03-14 03:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.15 Mbit/s
95th percentile per-packet one-way delay: 21.849 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 21.920 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 21.820 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 21.589 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

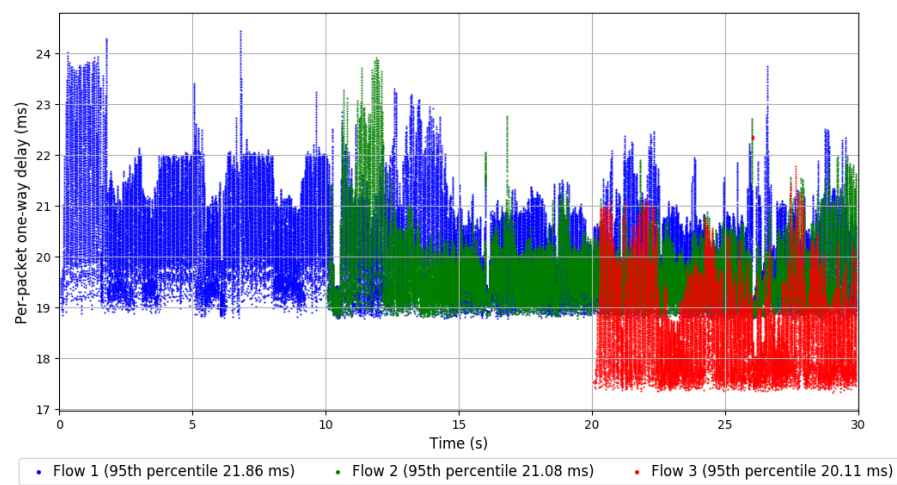
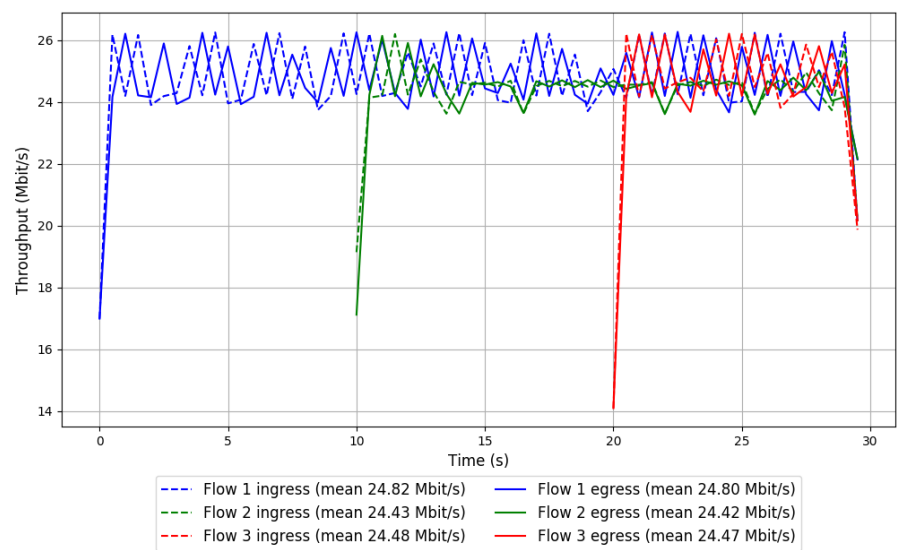


Run 5: Statistics of Sprout

Start at: 2018-03-13 21:01:01
End at: 2018-03-13 21:01:31
Local clock offset: 1.119 ms
Remote clock offset: -6.285 ms

Below is generated by plot.py at 2018-03-14 03:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 21.592 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 21.859 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 21.078 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 20.111 ms
Loss rate: 0.02%

Run 5: Report of Sprout — Data Link

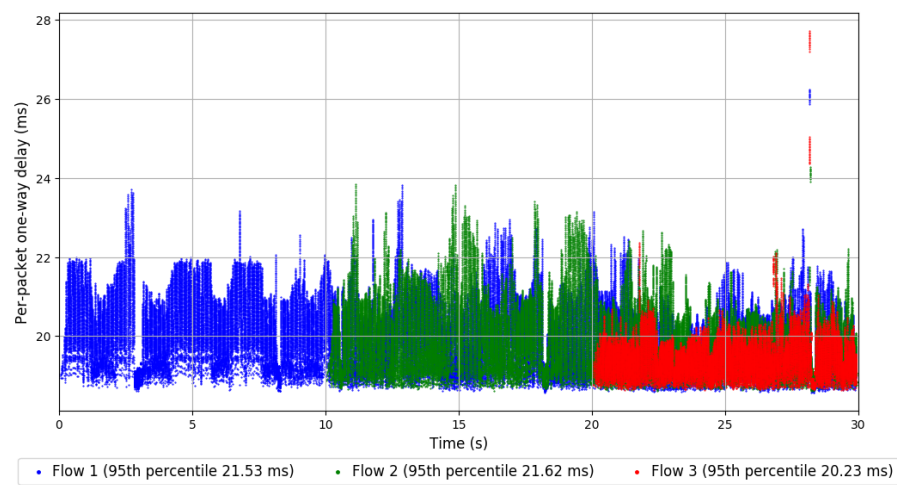
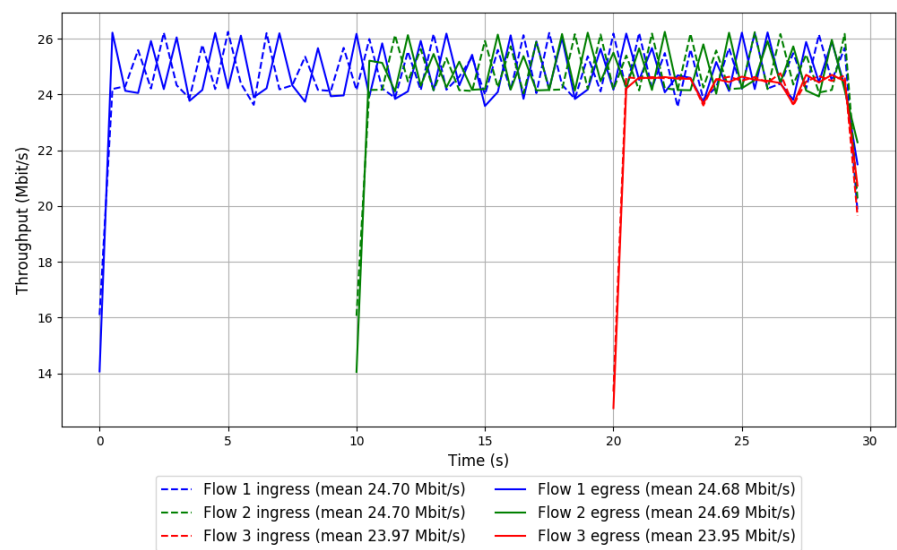


Run 6: Statistics of Sprout

Start at: 2018-03-13 21:30:08
End at: 2018-03-13 21:30:38
Local clock offset: 1.121 ms
Remote clock offset: -6.153 ms

Below is generated by plot.py at 2018-03-14 03:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.02 Mbit/s
95th percentile per-packet one-way delay: 21.475 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 21.531 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 21.624 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 20.228 ms
Loss rate: 0.05%

Run 6: Report of Sprout — Data Link

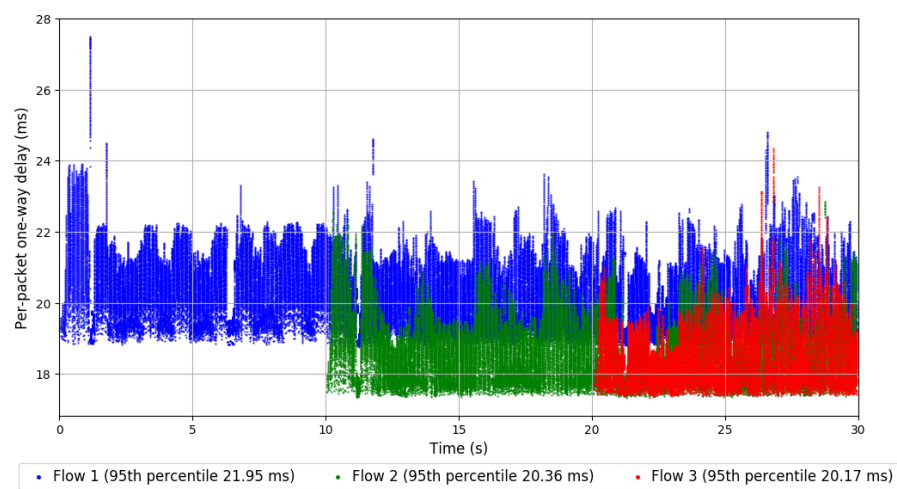
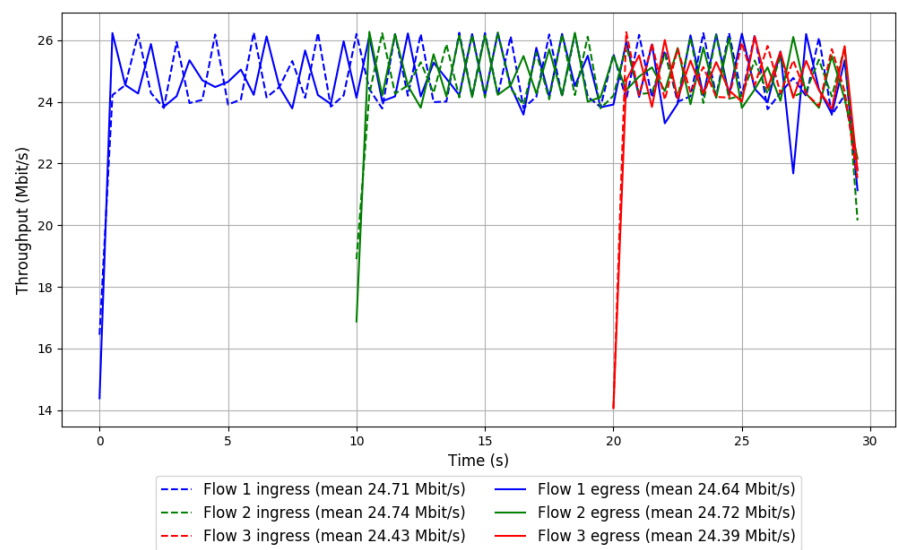


Run 7: Statistics of Sprout

Start at: 2018-03-13 21:59:05
End at: 2018-03-13 21:59:35
Local clock offset: 0.472 ms
Remote clock offset: -6.172 ms

```
# Below is generated by plot.py at 2018-03-14 03:16:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 21.603 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 21.949 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 20.356 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 20.169 ms
Loss rate: 0.15%
```


Run 7: Report of Sprout — Data Link

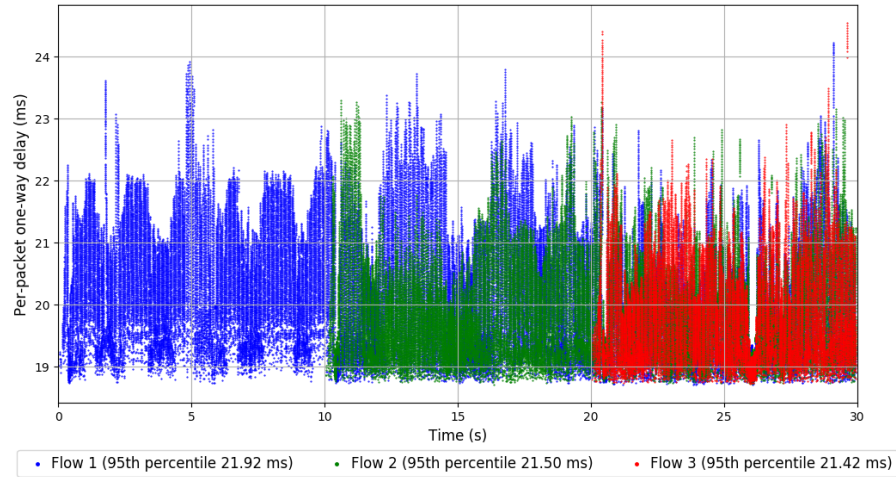
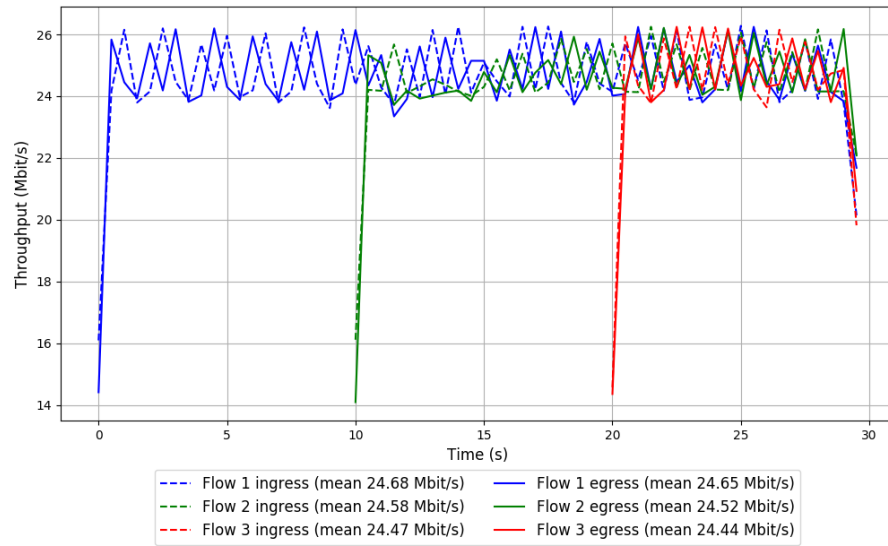


Run 8: Statistics of Sprout

Start at: 2018-03-13 22:28:15
End at: 2018-03-13 22:28:45
Local clock offset: 0.602 ms
Remote clock offset: -6.14 ms

```
# Below is generated by plot.py at 2018-03-14 03:16:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 21.757 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 21.918 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 21.496 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 24.44 Mbit/s
95th percentile per-packet one-way delay: 21.418 ms
Loss rate: 0.11%
```

Run 8: Report of Sprout — Data Link

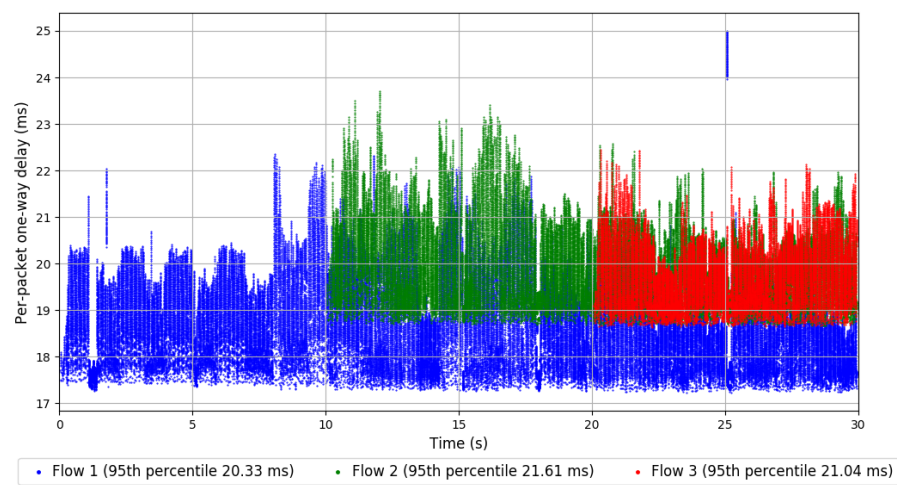
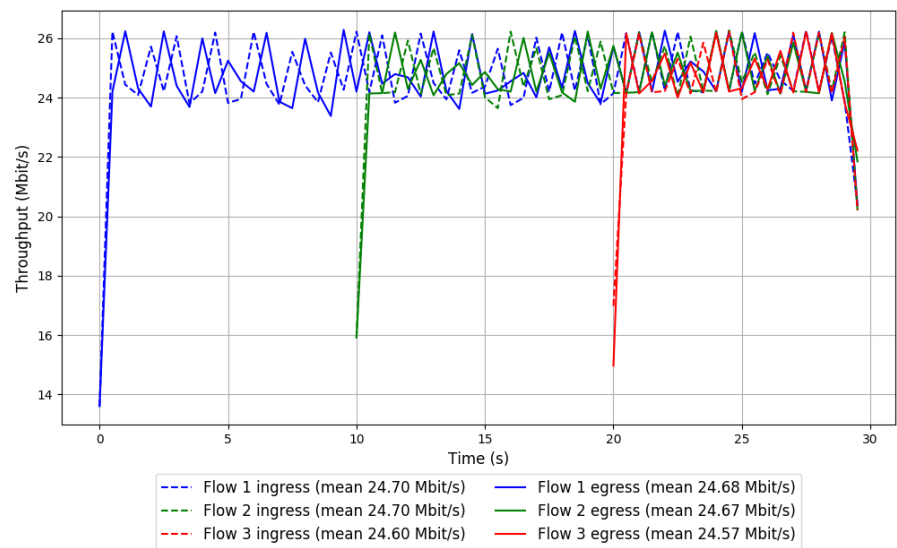


Run 9: Statistics of Sprout

Start at: 2018-03-13 22:57:10
End at: 2018-03-13 22:57:40
Local clock offset: 0.578 ms
Remote clock offset: -4.555 ms

Below is generated by plot.py at 2018-03-14 03:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.21 Mbit/s
95th percentile per-packet one-way delay: 21.084 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 20.326 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 21.605 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 21.041 ms
Loss rate: 0.11%

Run 9: Report of Sprout — Data Link

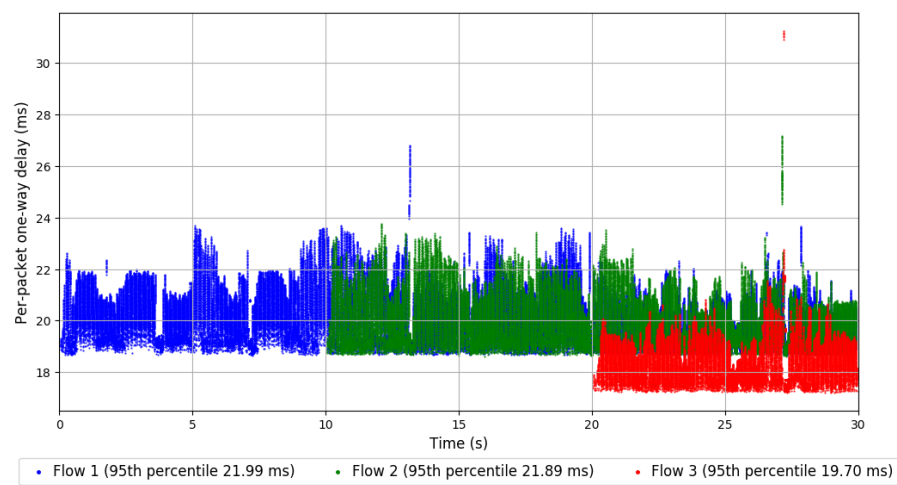
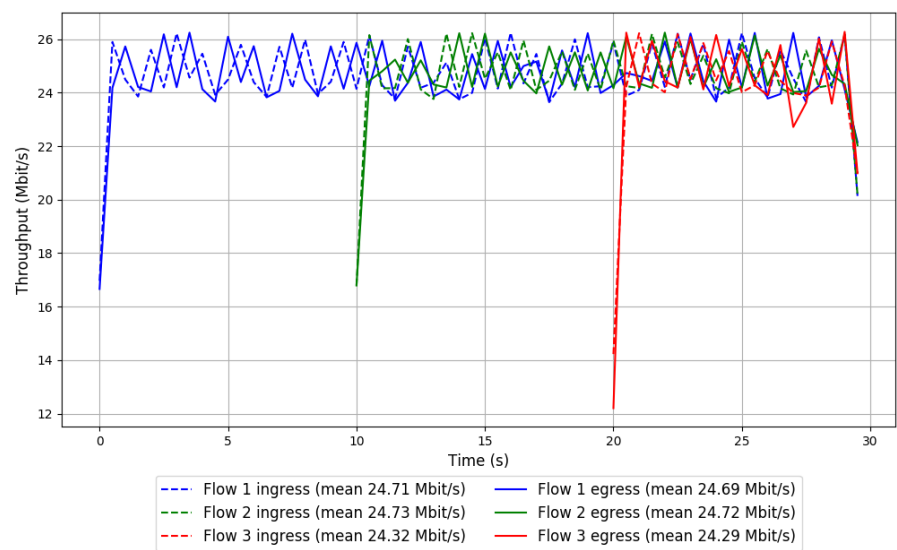


Run 10: Statistics of Sprout

Start at: 2018-03-13 23:26:38
End at: 2018-03-13 23:27:08
Local clock offset: 0.528 ms
Remote clock offset: -3.375 ms

Below is generated by plot.py at 2018-03-14 03:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 21.835 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 21.988 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 21.895 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 19.703 ms
Loss rate: 0.10%

Run 10: Report of Sprout — Data Link

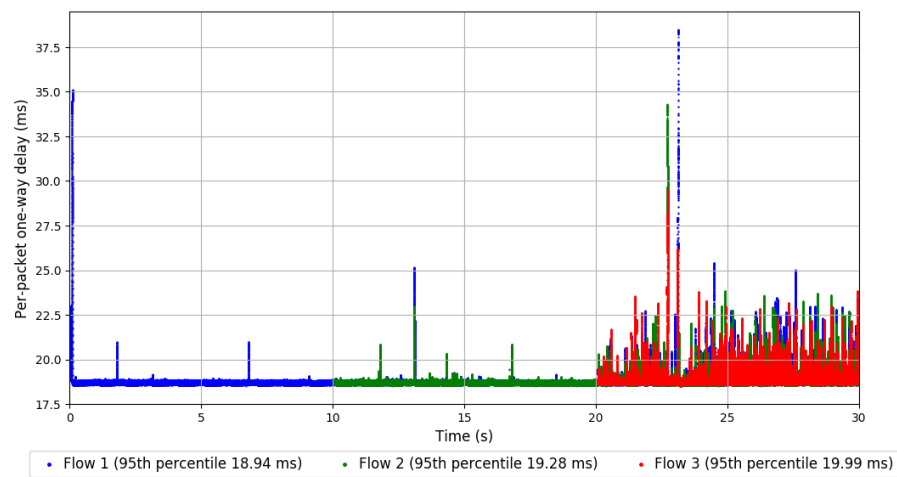
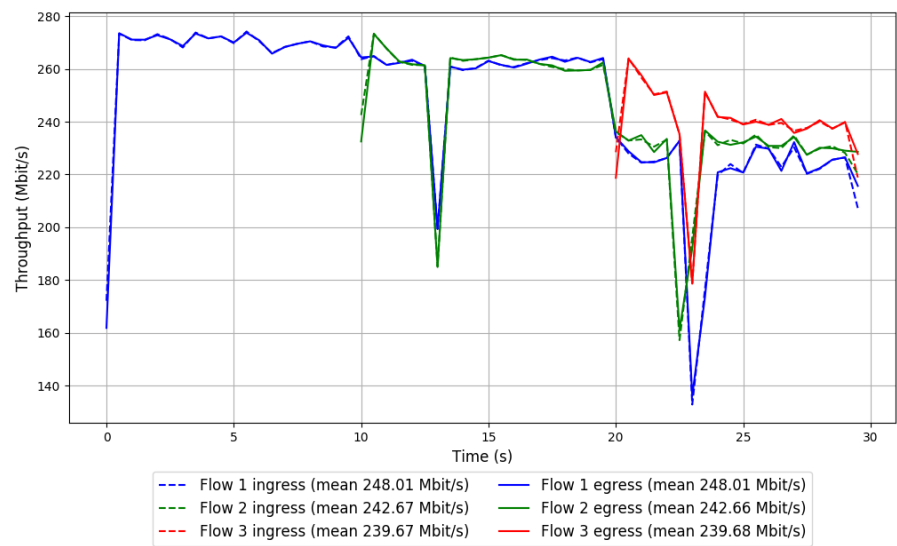


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-13 19:22:36
End at: 2018-03-13 19:23:06
Local clock offset: 1.075 ms
Remote clock offset: -5.329 ms

# Below is generated by plot.py at 2018-03-14 03:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 489.16 Mbit/s
95th percentile per-packet one-way delay: 19.287 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 248.01 Mbit/s
95th percentile per-packet one-way delay: 18.939 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 242.66 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 239.68 Mbit/s
95th percentile per-packet one-way delay: 19.994 ms
Loss rate: 0.00%
```


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

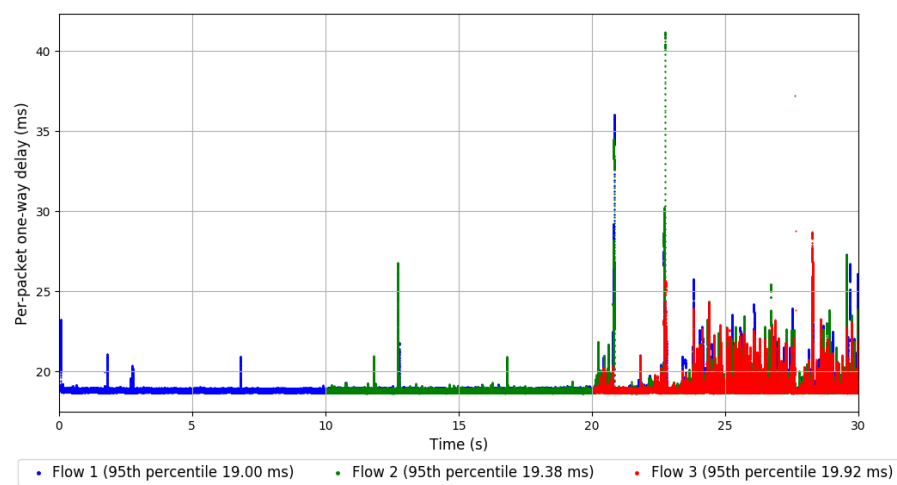
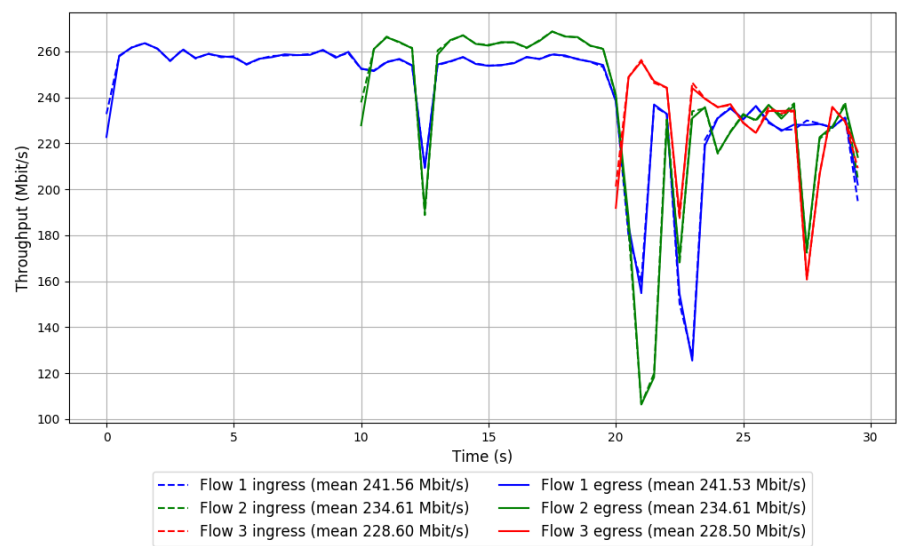


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-03-13 19:52:06
End at: 2018-03-13 19:52:36
Local clock offset: 0.911 ms
Remote clock offset: -4.659 ms

# Below is generated by plot.py at 2018-03-14 03:23:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 473.48 Mbit/s
95th percentile per-packet one-way delay: 19.271 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 241.53 Mbit/s
95th percentile per-packet one-way delay: 18.998 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 234.61 Mbit/s
95th percentile per-packet one-way delay: 19.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 228.50 Mbit/s
95th percentile per-packet one-way delay: 19.920 ms
Loss rate: 0.05%
```

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

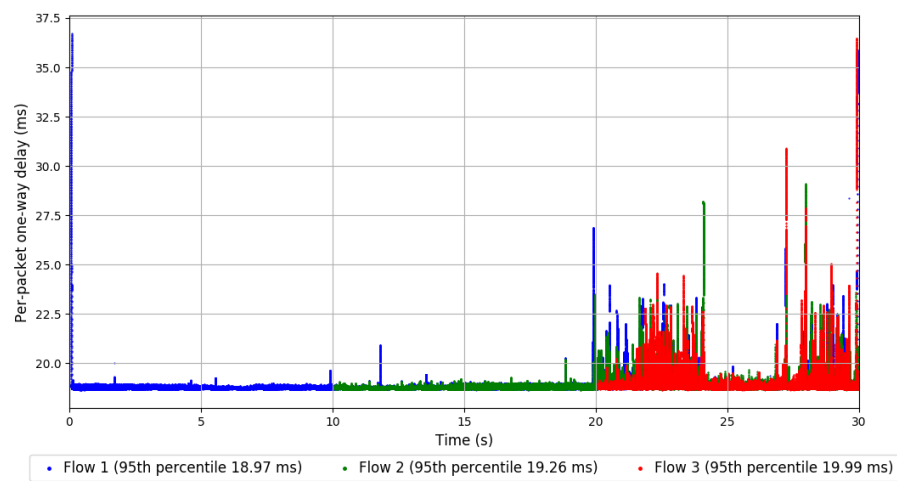
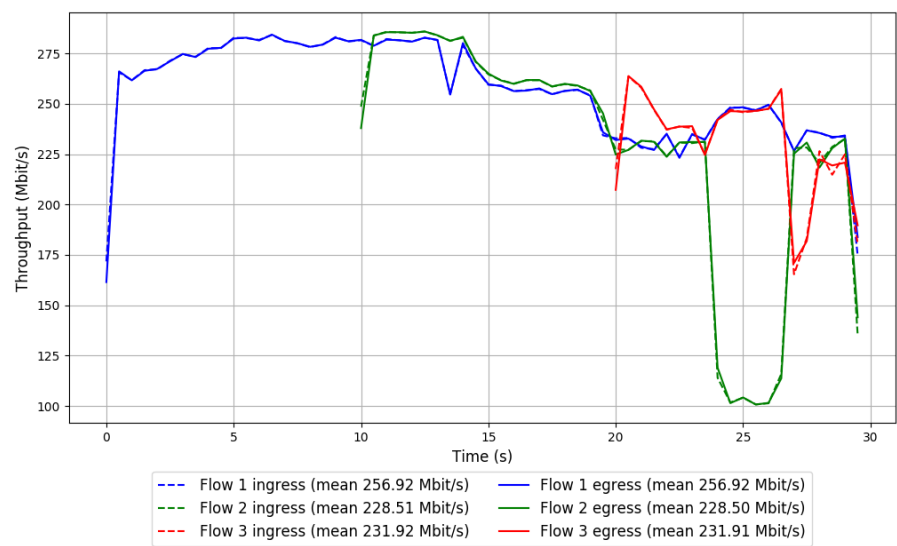


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-13 20:21:28
End at: 2018-03-13 20:21:58
Local clock offset: 0.755 ms
Remote clock offset: -6.243 ms

Below is generated by plot.py at 2018-03-14 03:24:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 485.97 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 256.92 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 228.50 Mbit/s
95th percentile per-packet one-way delay: 19.263 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 231.91 Mbit/s
95th percentile per-packet one-way delay: 19.993 ms
Loss rate: 0.00%

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

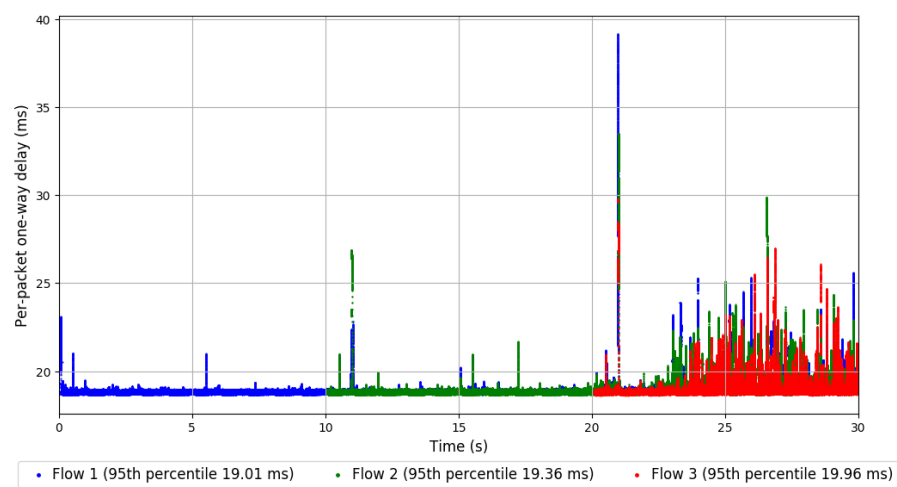
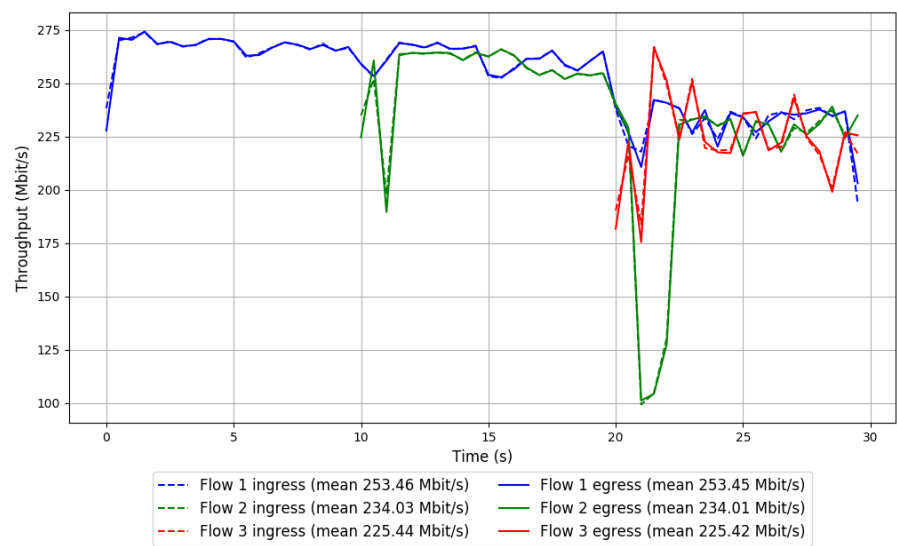


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-13 20:50:56
End at: 2018-03-13 20:51:26
Local clock offset: 1.339 ms
Remote clock offset: -6.327 ms

Below is generated by plot.py at 2018-03-14 03:24:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 484.01 Mbit/s
95th percentile per-packet one-way delay: 19.251 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 253.45 Mbit/s
95th percentile per-packet one-way delay: 19.009 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 234.01 Mbit/s
95th percentile per-packet one-way delay: 19.361 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 225.42 Mbit/s
95th percentile per-packet one-way delay: 19.957 ms
Loss rate: 0.01%

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

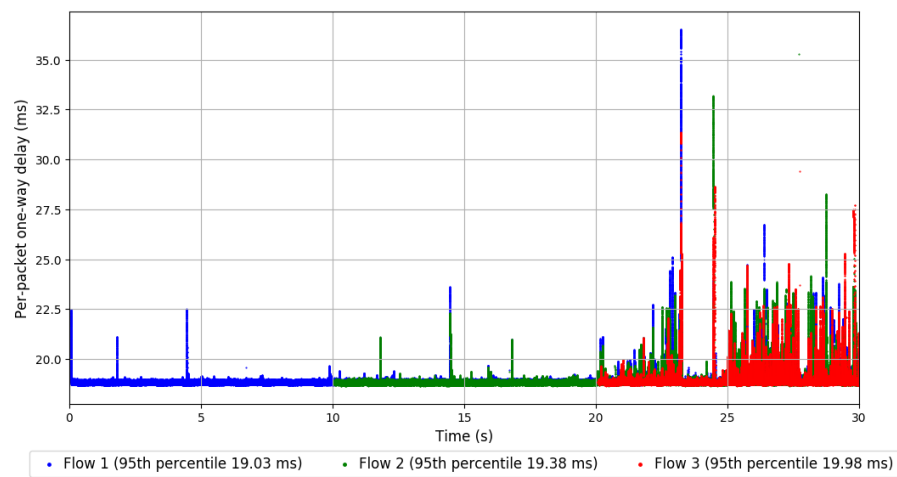
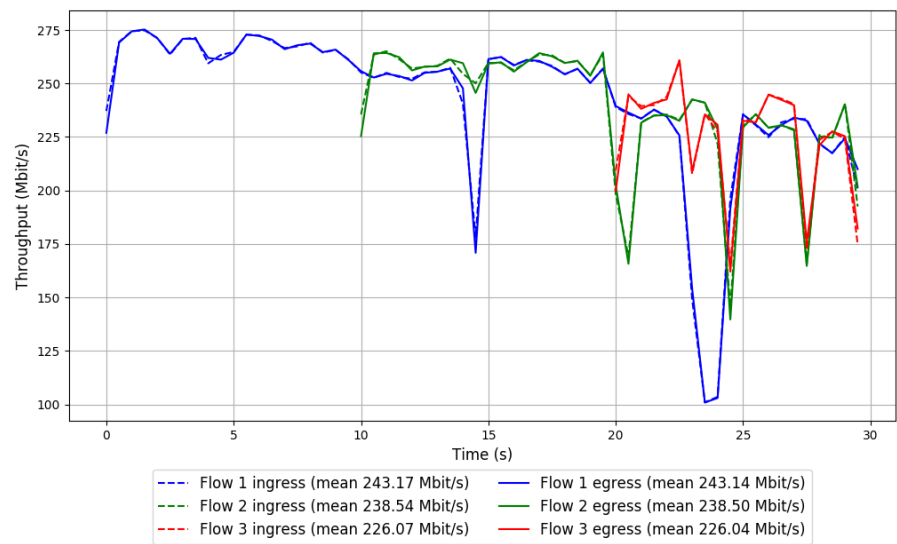


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-13 21:20:22
End at: 2018-03-13 21:20:52
Local clock offset: 1.027 ms
Remote clock offset: -6.167 ms

Below is generated by plot.py at 2018-03-14 03:24:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 476.82 Mbit/s
95th percentile per-packet one-way delay: 19.293 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 243.14 Mbit/s
95th percentile per-packet one-way delay: 19.030 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 238.50 Mbit/s
95th percentile per-packet one-way delay: 19.380 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 226.04 Mbit/s
95th percentile per-packet one-way delay: 19.975 ms
Loss rate: 0.02%

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

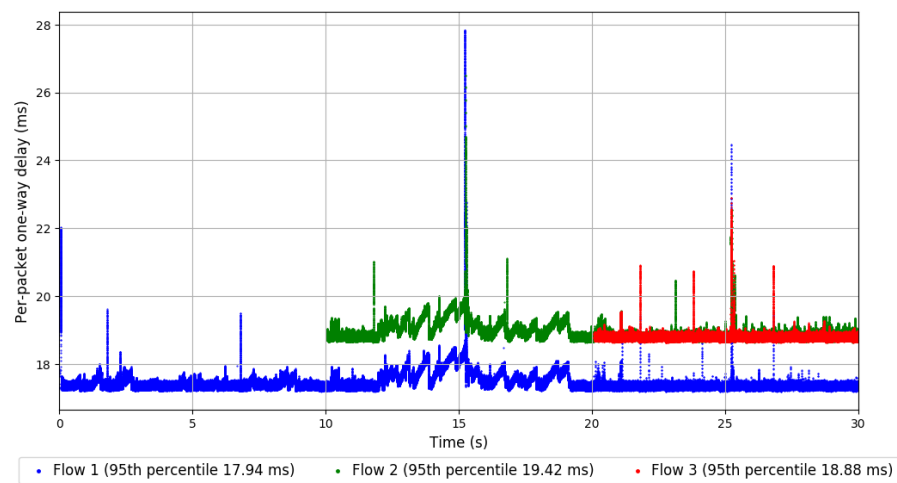
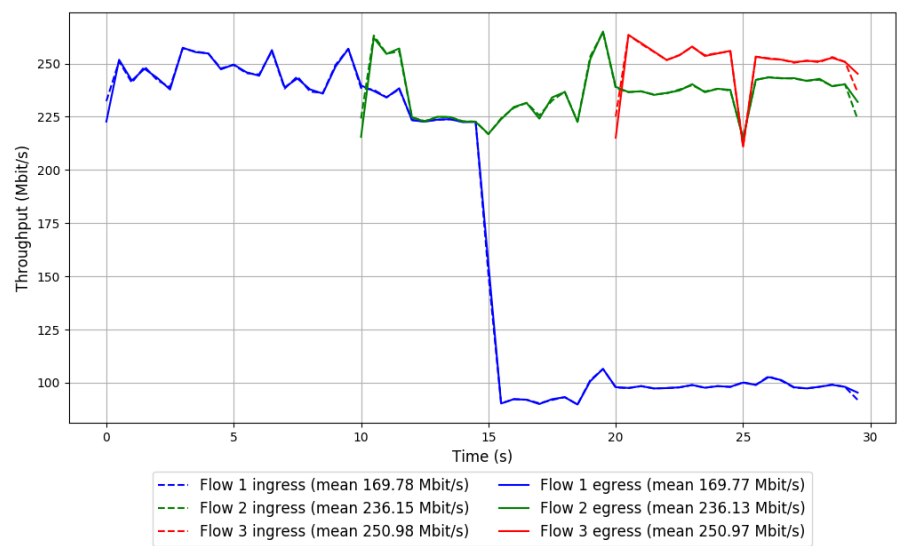


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-13 21:49:21
End at: 2018-03-13 21:49:51
Local clock offset: 0.637 ms
Remote clock offset: -6.172 ms

Below is generated by plot.py at 2018-03-14 03:24:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.28 Mbit/s
95th percentile per-packet one-way delay: 19.197 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 169.77 Mbit/s
95th percentile per-packet one-way delay: 17.944 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 236.13 Mbit/s
95th percentile per-packet one-way delay: 19.418 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 250.97 Mbit/s
95th percentile per-packet one-way delay: 18.877 ms
Loss rate: 0.02%

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

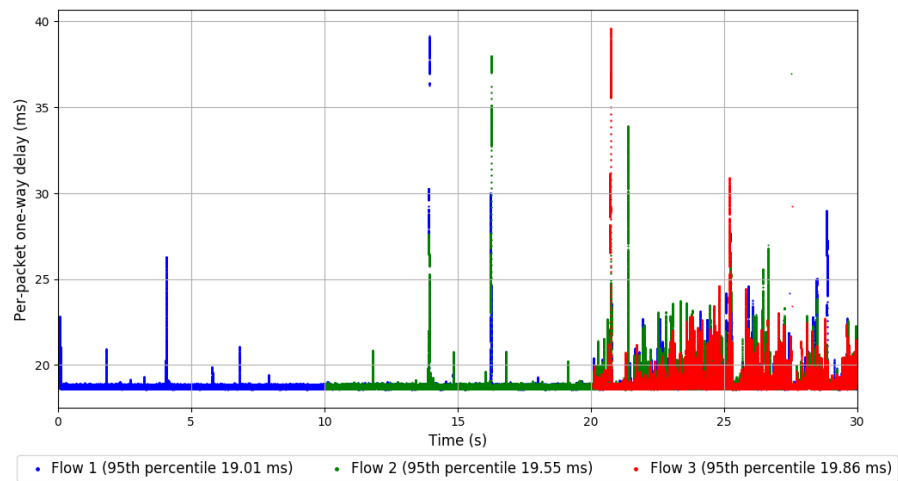
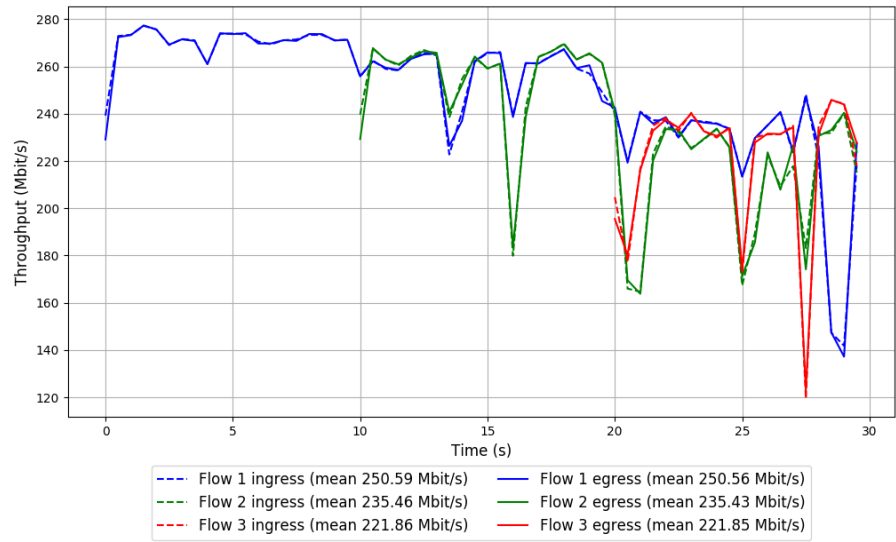


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-13 22:18:22
End at: 2018-03-13 22:18:52
Local clock offset: 0.648 ms
Remote clock offset: -6.229 ms

Below is generated by plot.py at 2018-03-14 03:27:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 480.85 Mbit/s
95th percentile per-packet one-way delay: 19.344 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 250.56 Mbit/s
95th percentile per-packet one-way delay: 19.006 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 235.43 Mbit/s
95th percentile per-packet one-way delay: 19.545 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 221.85 Mbit/s
95th percentile per-packet one-way delay: 19.858 ms
Loss rate: 0.01%

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

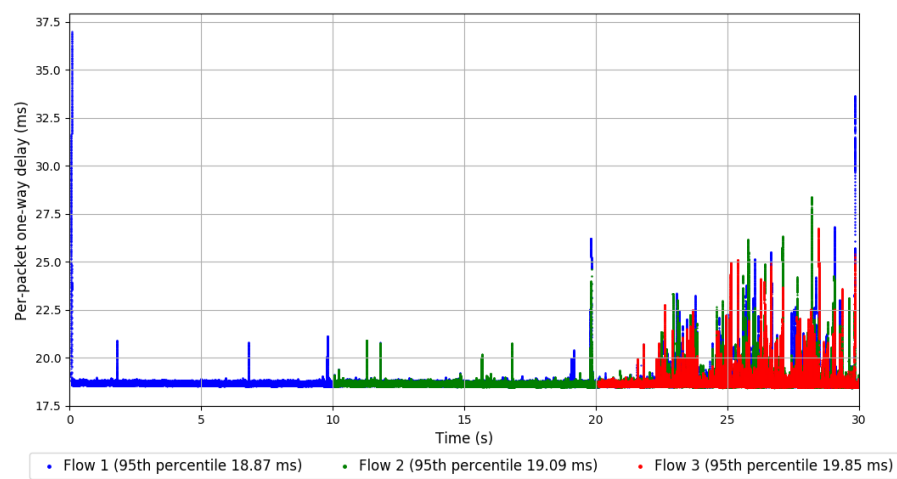
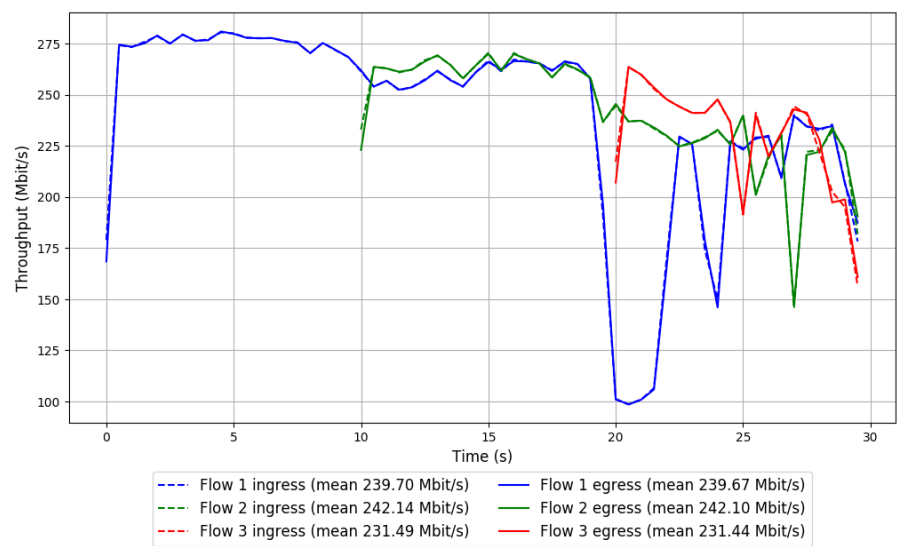


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-13 22:47:26
End at: 2018-03-13 22:47:56
Local clock offset: 0.728 ms
Remote clock offset: -5.936 ms

Below is generated by plot.py at 2018-03-14 03:29:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.59 Mbit/s
95th percentile per-packet one-way delay: 19.099 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 239.67 Mbit/s
95th percentile per-packet one-way delay: 18.872 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 242.10 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 231.44 Mbit/s
95th percentile per-packet one-way delay: 19.846 ms
Loss rate: 0.02%

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

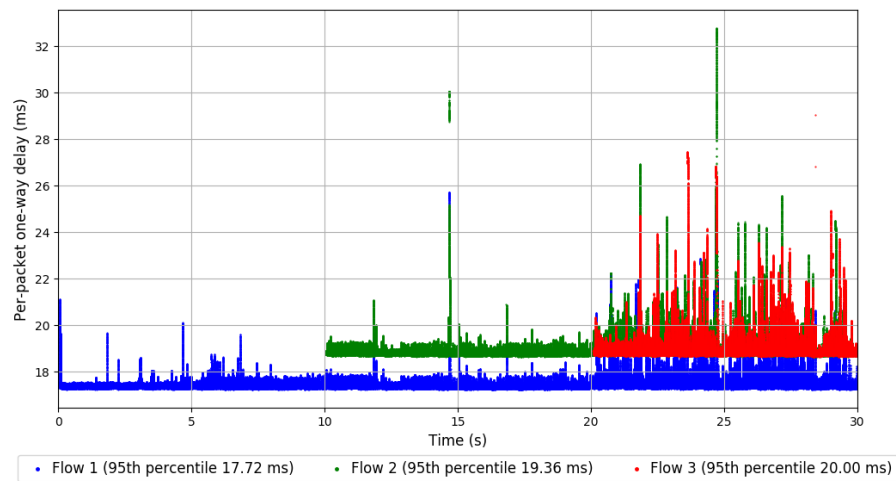
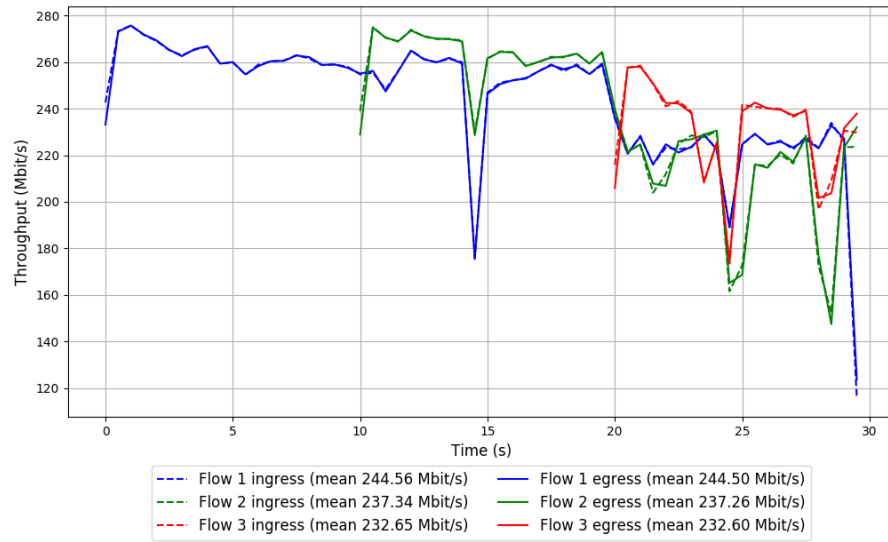


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-13 23:16:30
End at: 2018-03-13 23:17:00
Local clock offset: 0.448 ms
Remote clock offset: -3.584 ms

Below is generated by plot.py at 2018-03-14 03:34:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.51 Mbit/s
95th percentile per-packet one-way delay: 19.155 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 244.50 Mbit/s
95th percentile per-packet one-way delay: 17.718 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 237.26 Mbit/s
95th percentile per-packet one-way delay: 19.355 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 232.60 Mbit/s
95th percentile per-packet one-way delay: 20.001 ms
Loss rate: 0.04%

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

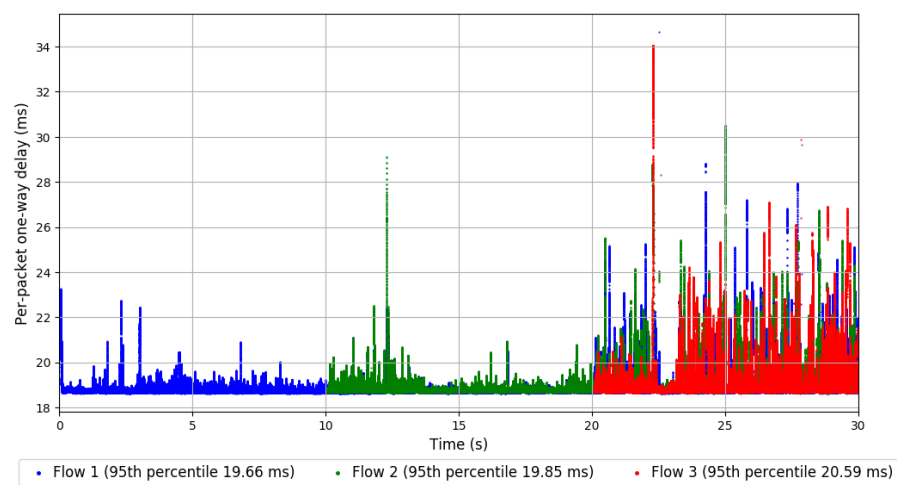
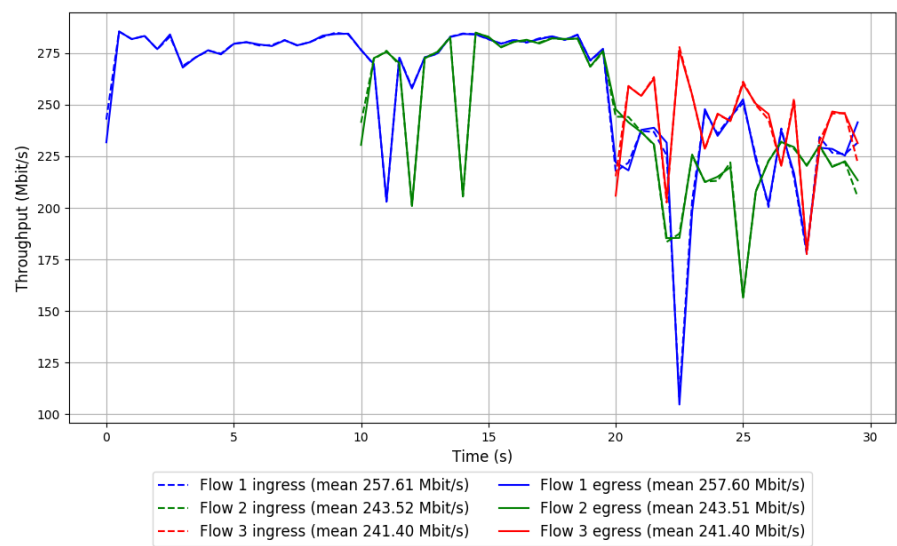


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-13 23:45:52
End at: 2018-03-13 23:46:22
Local clock offset: 0.463 ms
Remote clock offset: -2.921 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.73 Mbit/s
95th percentile per-packet one-way delay: 19.879 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 257.60 Mbit/s
95th percentile per-packet one-way delay: 19.658 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 243.51 Mbit/s
95th percentile per-packet one-way delay: 19.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 241.40 Mbit/s
95th percentile per-packet one-way delay: 20.588 ms
Loss rate: 0.00%

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

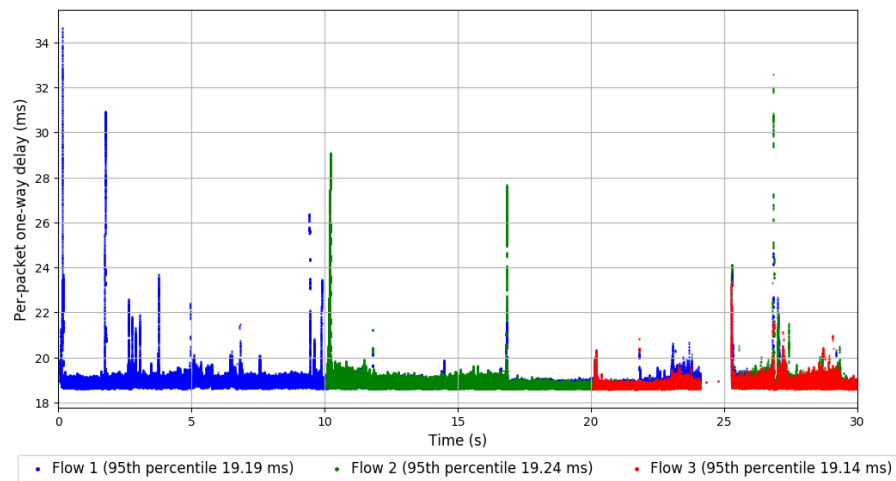
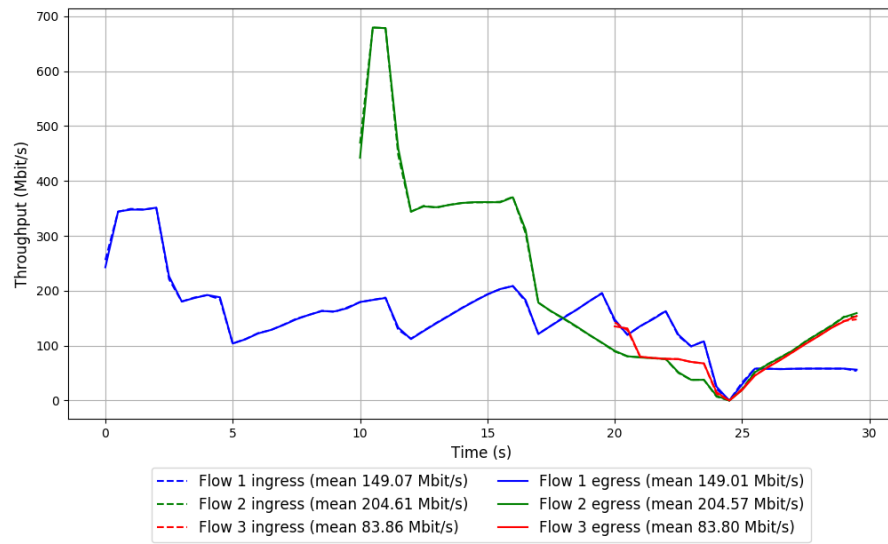


Run 1: Statistics of TCP Vegas

Start at: 2018-03-13 19:12:42
End at: 2018-03-13 19:13:12
Local clock offset: 1.156 ms
Remote clock offset: -5.358 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.03 Mbit/s
95th percentile per-packet one-way delay: 19.213 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 149.01 Mbit/s
95th percentile per-packet one-way delay: 19.192 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 204.57 Mbit/s
95th percentile per-packet one-way delay: 19.244 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 83.80 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link

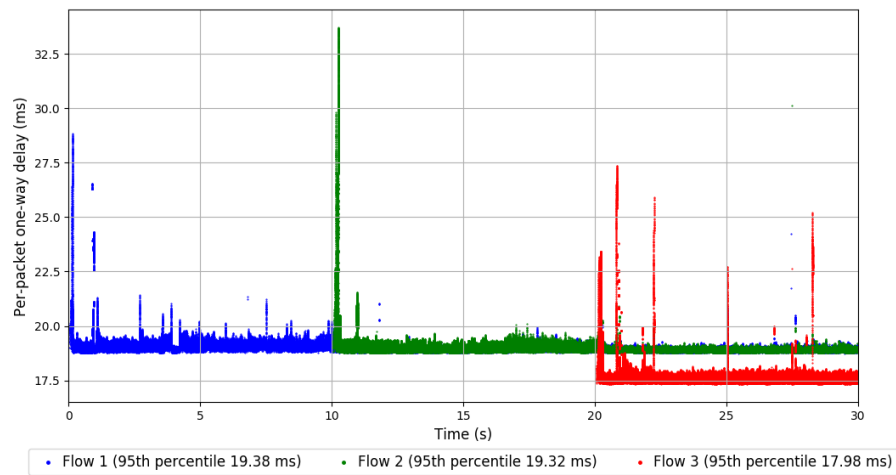
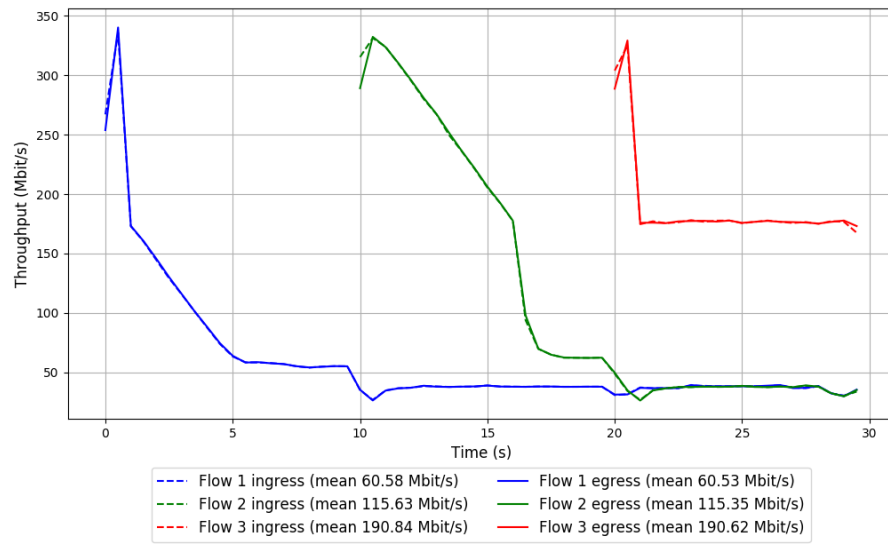


Run 2: Statistics of TCP Vegas

Start at: 2018-03-13 19:42:38
End at: 2018-03-13 19:43:08
Local clock offset: 0.834 ms
Remote clock offset: -4.778 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.63 Mbit/s
95th percentile per-packet one-way delay: 19.311 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 60.53 Mbit/s
95th percentile per-packet one-way delay: 19.383 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 115.35 Mbit/s
95th percentile per-packet one-way delay: 19.321 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 190.62 Mbit/s
95th percentile per-packet one-way delay: 17.978 ms
Loss rate: 0.12%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-03-13 20:11:47

End at: 2018-03-13 20:12:17

Local clock offset: 0.687 ms

Remote clock offset: -5.99 ms

Below is generated by plot.py at 2018-03-14 03:37:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 344.89 Mbit/s

95th percentile per-packet one-way delay: 19.176 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 235.04 Mbit/s

95th percentile per-packet one-way delay: 17.890 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 134.13 Mbit/s

95th percentile per-packet one-way delay: 19.324 ms

Loss rate: 0.03%

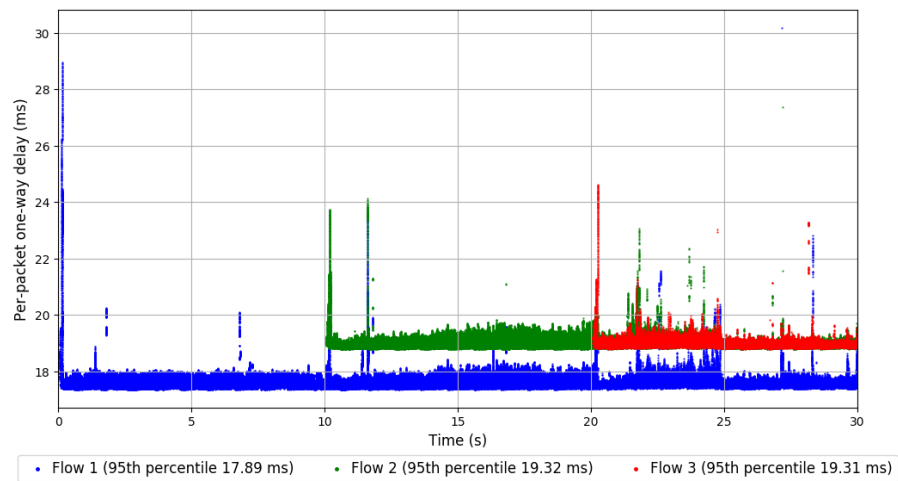
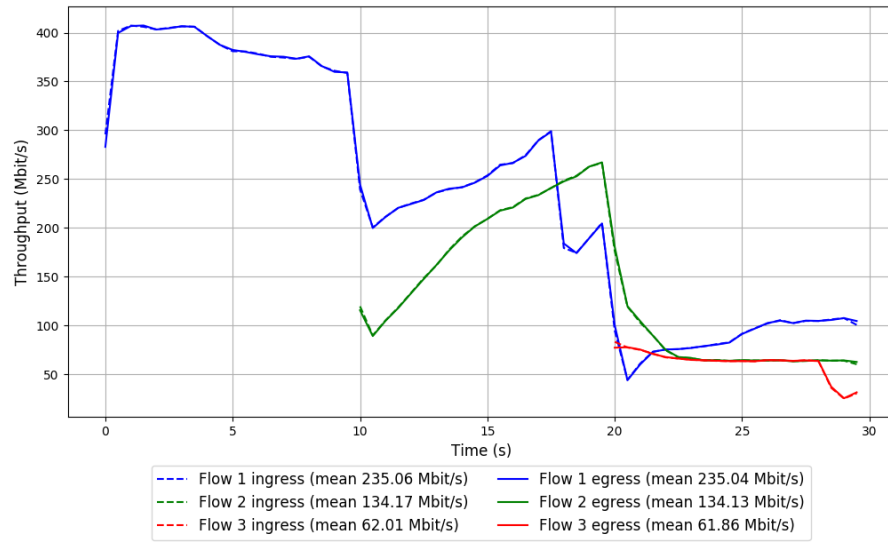
-- Flow 3:

Average throughput: 61.86 Mbit/s

95th percentile per-packet one-way delay: 19.306 ms

Loss rate: 0.25%

Run 3: Report of TCP Vegas — Data Link

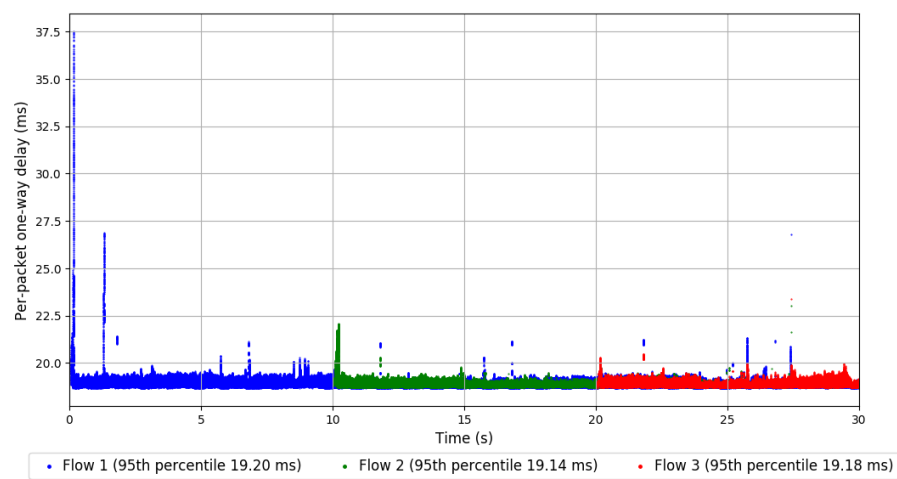
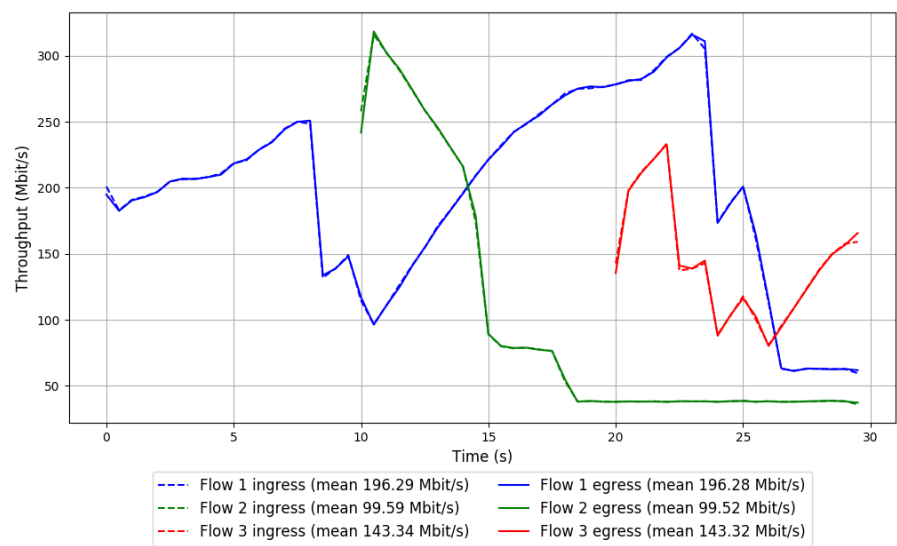


Run 4: Statistics of TCP Vegas

Start at: 2018-03-13 20:41:12
End at: 2018-03-13 20:41:42
Local clock offset: 1.133 ms
Remote clock offset: -6.239 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 310.14 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 196.28 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.52 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 143.32 Mbit/s
95th percentile per-packet one-way delay: 19.182 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

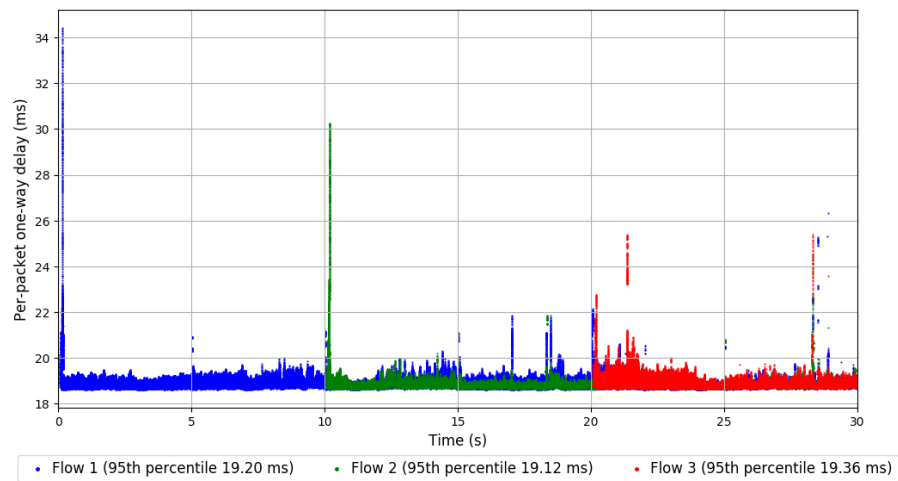
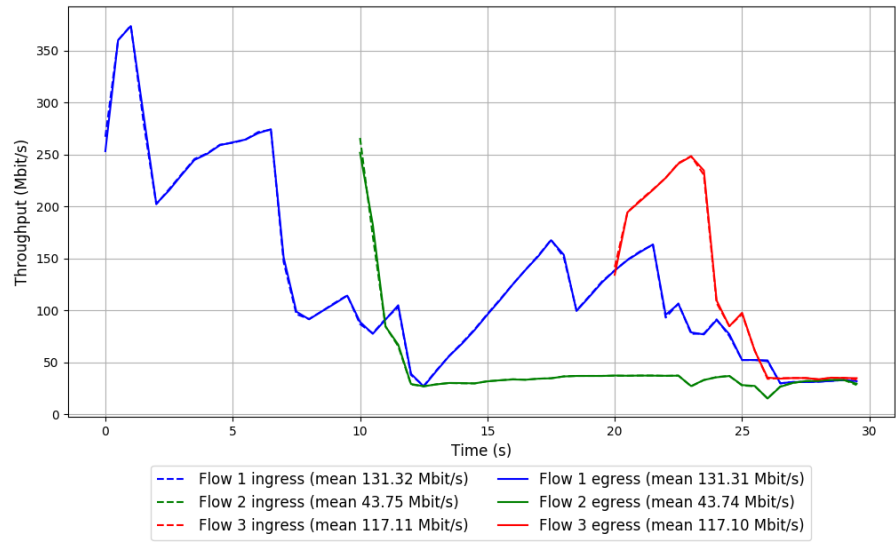


Run 5: Statistics of TCP Vegas

Start at: 2018-03-13 21:10:39
End at: 2018-03-13 21:11:09
Local clock offset: 1.01 ms
Remote clock offset: -6.249 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 199.31 Mbit/s
95th percentile per-packet one-way delay: 19.230 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 131.31 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 19.116 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 117.10 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

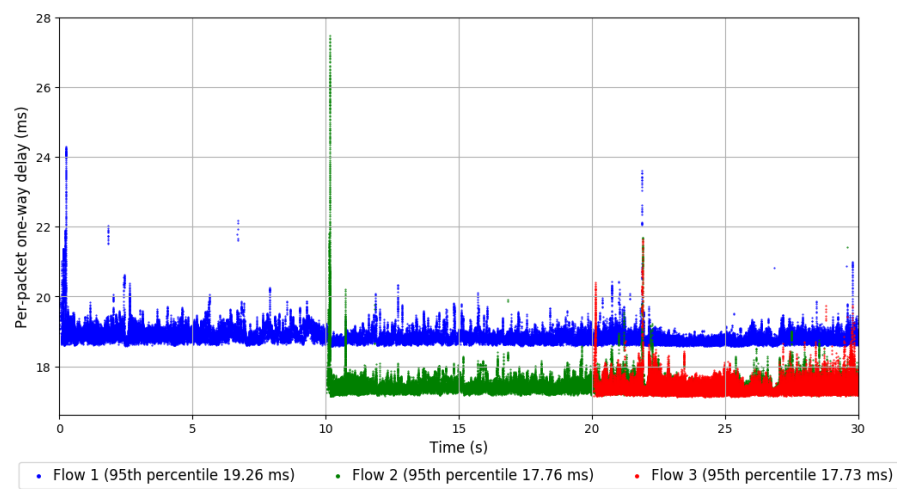
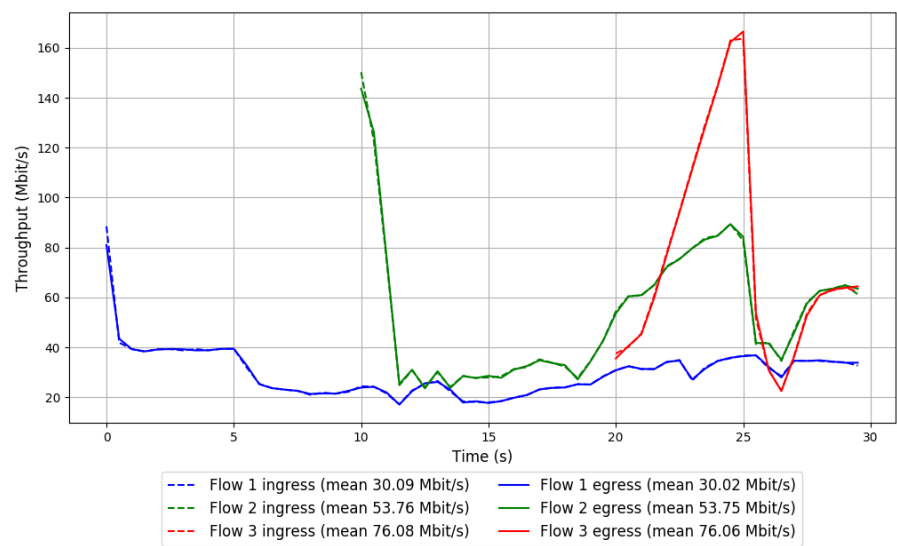


Run 6: Statistics of TCP Vegas

Start at: 2018-03-13 21:39:45
End at: 2018-03-13 21:40:15
Local clock offset: 0.808 ms
Remote clock offset: -6.212 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 19.069 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 19.262 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: 17.762 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 76.06 Mbit/s
95th percentile per-packet one-way delay: 17.728 ms
Loss rate: 0.02%

Run 6: Report of TCP Vegas — Data Link

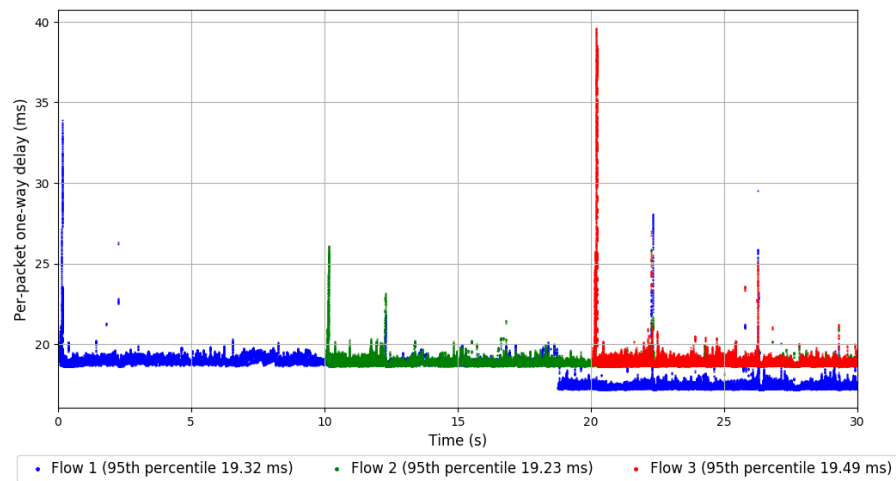
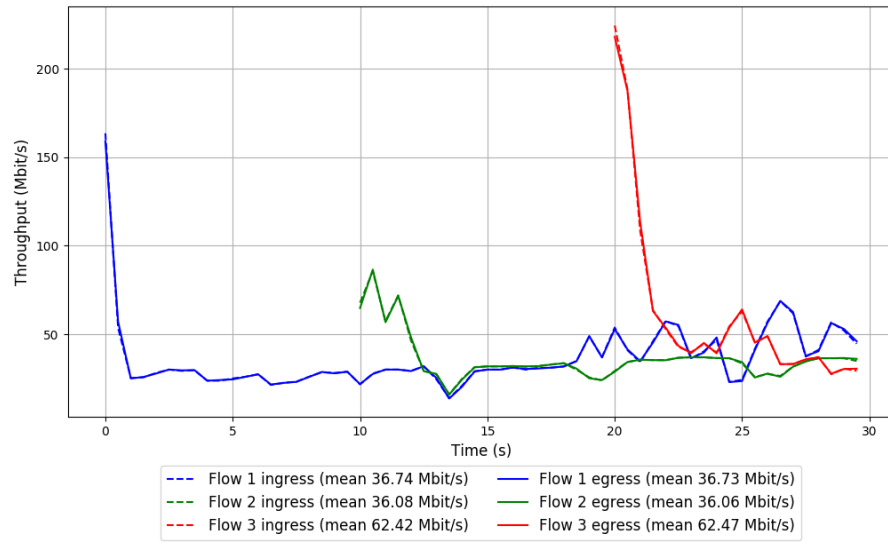


Run 7: Statistics of TCP Vegas

Start at: 2018-03-13 22:08:44
End at: 2018-03-13 22:09:14
Local clock offset: 0.59 ms
Remote clock offset: -6.291 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 19.319 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.06 Mbit/s
95th percentile per-packet one-way delay: 19.227 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 62.47 Mbit/s
95th percentile per-packet one-way delay: 19.490 ms
Loss rate: 0.03%

Run 7: Report of TCP Vegas — Data Link

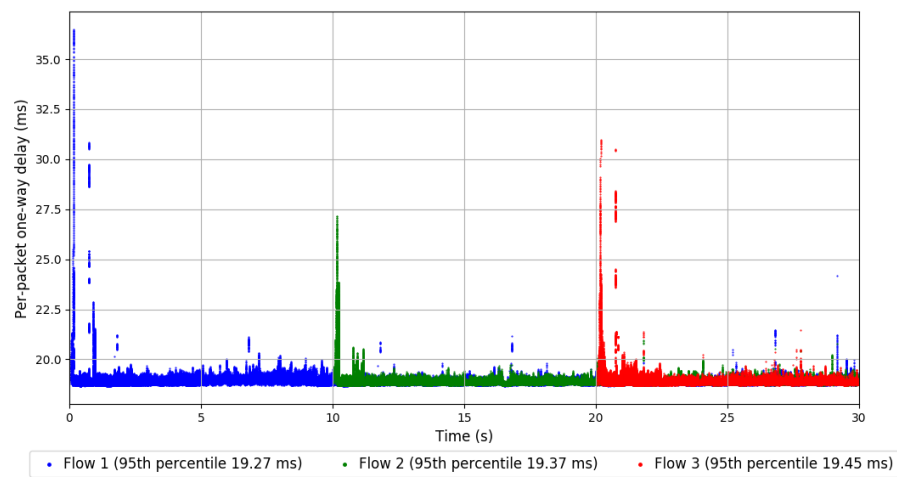
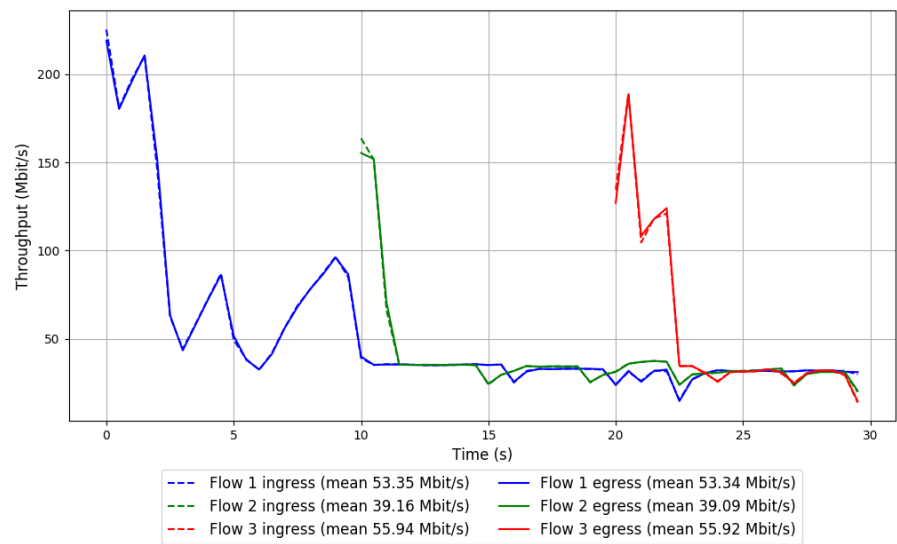


Run 8: Statistics of TCP Vegas

Start at: 2018-03-13 22:37:55
End at: 2018-03-13 22:38:25
Local clock offset: 0.65 ms
Remote clock offset: -6.056 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.92 Mbit/s
95th percentile per-packet one-way delay: 19.313 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 19.268 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 19.372 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 19.445 ms
Loss rate: 0.03%

Run 8: Report of TCP Vegas — Data Link

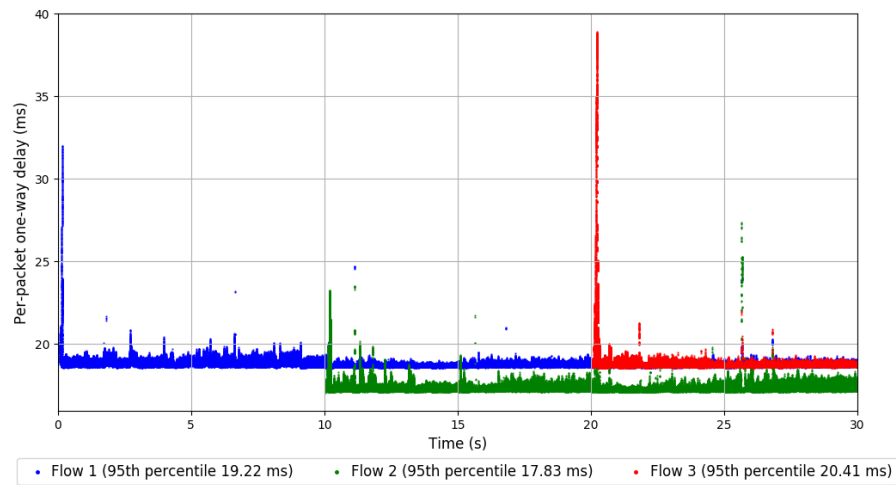
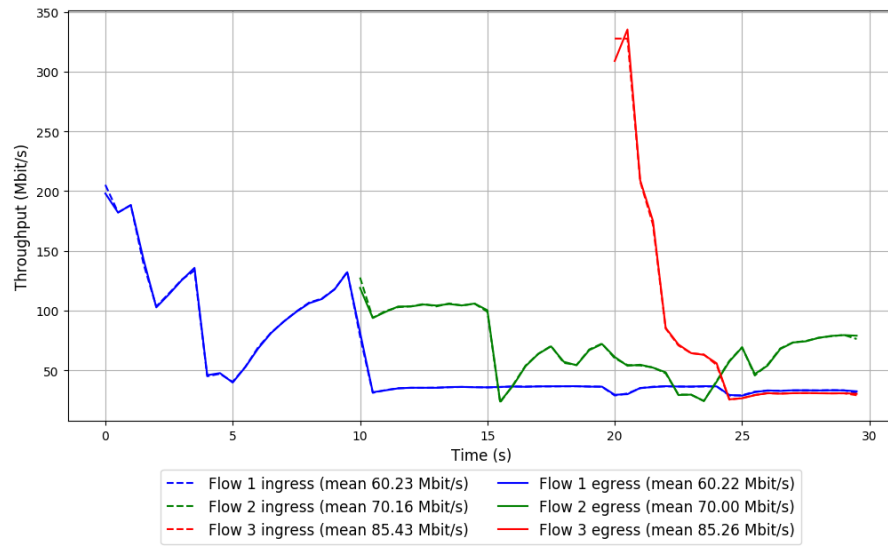


Run 9: Statistics of TCP Vegas

Start at: 2018-03-13 23:06:49
End at: 2018-03-13 23:07:19
Local clock offset: 0.448 ms
Remote clock offset: -4.009 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.15 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 60.22 Mbit/s
95th percentile per-packet one-way delay: 19.217 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 17.829 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 20.414 ms
Loss rate: 0.20%

Run 9: Report of TCP Vegas — Data Link

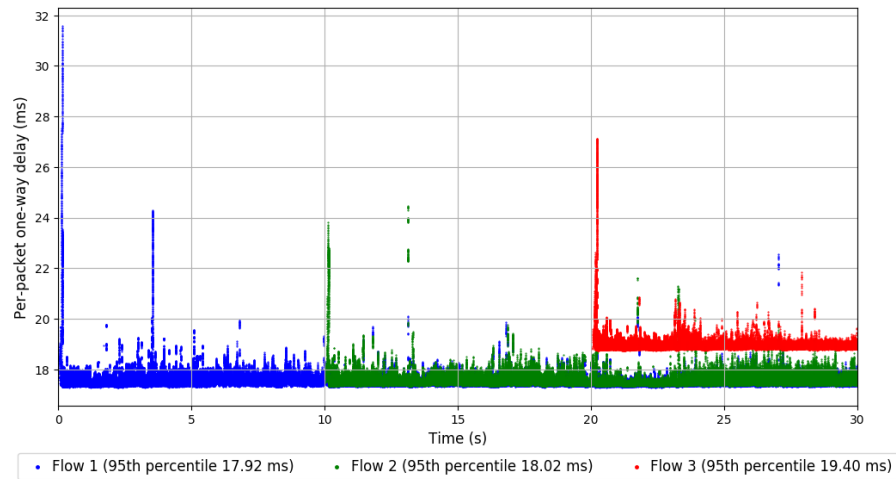
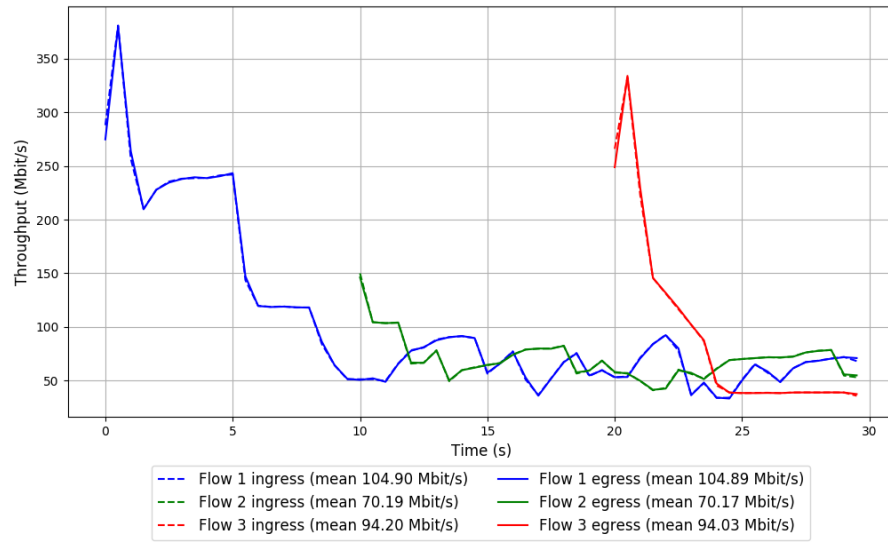


Run 10: Statistics of TCP Vegas

Start at: 2018-03-13 23:36:22
End at: 2018-03-13 23:36:52
Local clock offset: 0.414 ms
Remote clock offset: -3.085 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 182.82 Mbit/s
95th percentile per-packet one-way delay: 19.022 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 104.89 Mbit/s
95th percentile per-packet one-way delay: 17.921 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 18.024 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 19.400 ms
Loss rate: 0.18%

Run 10: Report of TCP Vegas — Data Link

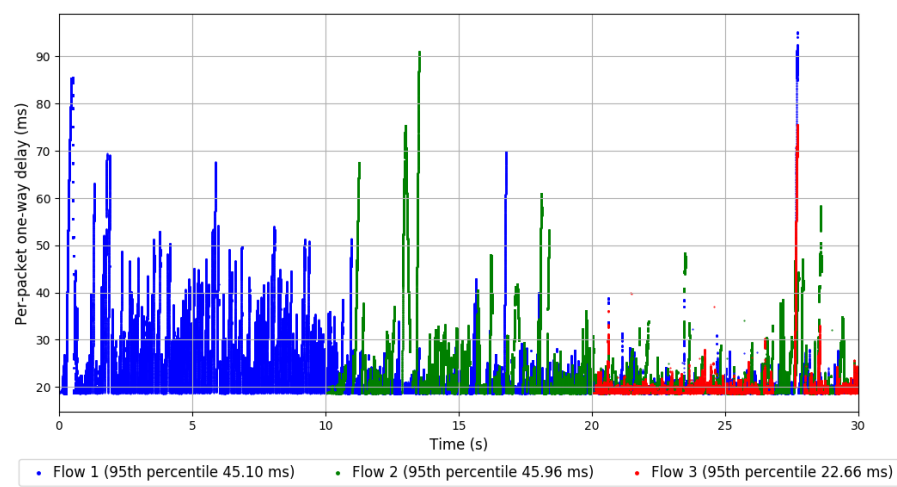
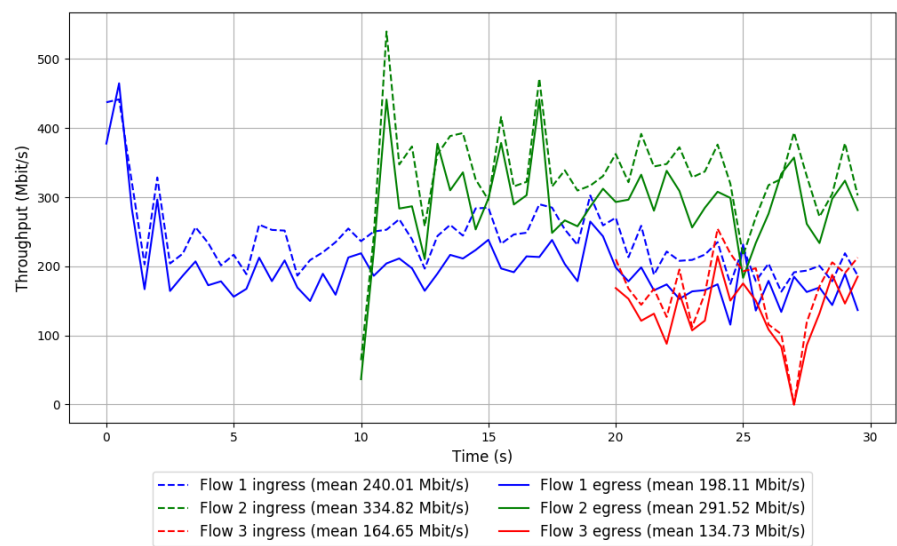


Run 1: Statistics of Verus

Start at: 2018-03-13 19:03:58
End at: 2018-03-13 19:04:29
Local clock offset: 1.153 ms
Remote clock offset: -5.293 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 436.71 Mbit/s
95th percentile per-packet one-way delay: 44.784 ms
Loss rate: 15.58%
-- Flow 1:
Average throughput: 198.11 Mbit/s
95th percentile per-packet one-way delay: 45.103 ms
Loss rate: 17.45%
-- Flow 2:
Average throughput: 291.52 Mbit/s
95th percentile per-packet one-way delay: 45.958 ms
Loss rate: 12.92%
-- Flow 3:
Average throughput: 134.73 Mbit/s
95th percentile per-packet one-way delay: 22.664 ms
Loss rate: 18.16%

Run 1: Report of Verus — Data Link

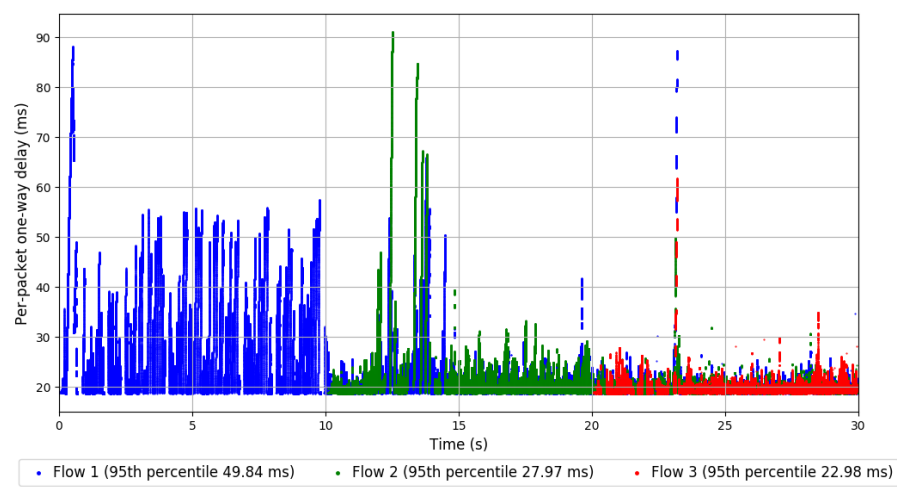
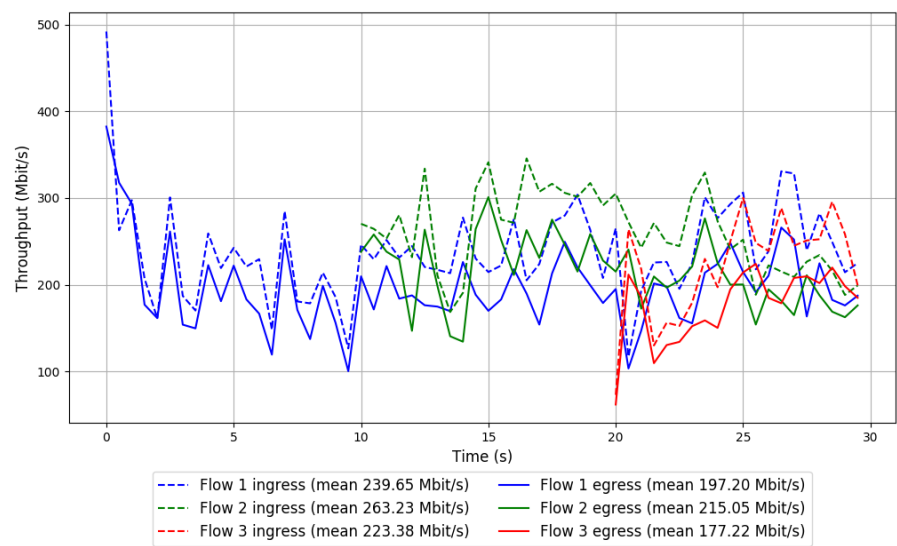


Run 2: Statistics of Verus

Start at: 2018-03-13 19:33:55
End at: 2018-03-13 19:34:25
Local clock offset: 0.998 ms
Remote clock offset: -4.922 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.74 Mbit/s
95th percentile per-packet one-way delay: 42.943 ms
Loss rate: 18.37%
-- Flow 1:
Average throughput: 197.20 Mbit/s
95th percentile per-packet one-way delay: 49.836 ms
Loss rate: 17.71%
-- Flow 2:
Average throughput: 215.05 Mbit/s
95th percentile per-packet one-way delay: 27.973 ms
Loss rate: 18.30%
-- Flow 3:
Average throughput: 177.22 Mbit/s
95th percentile per-packet one-way delay: 22.981 ms
Loss rate: 20.66%

Run 2: Report of Verus — Data Link

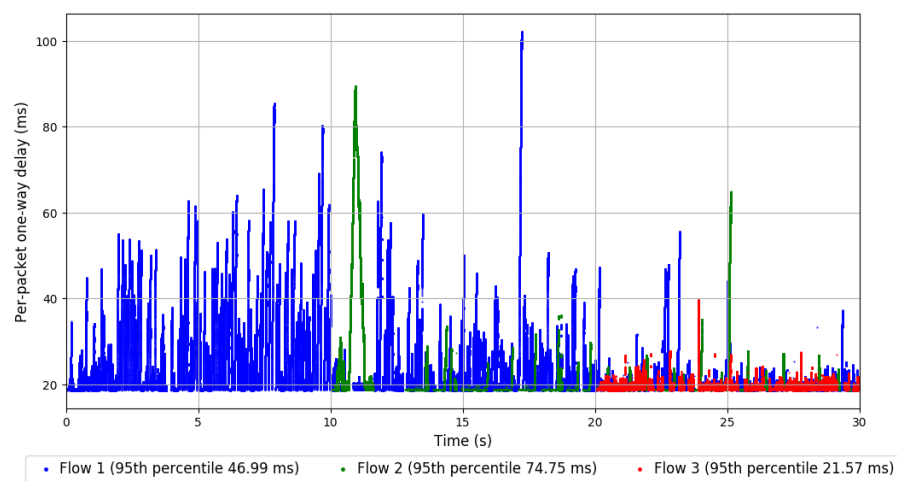
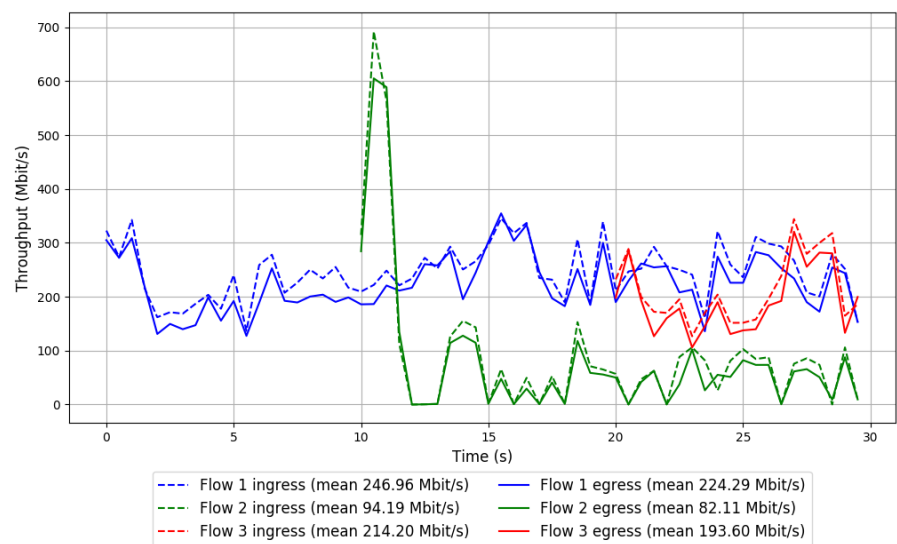


Run 3: Statistics of Verus

Start at: 2018-03-13 20:03:25
End at: 2018-03-13 20:03:55
Local clock offset: 0.824 ms
Remote clock offset: -5.622 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.79 Mbit/s
95th percentile per-packet one-way delay: 48.471 ms
Loss rate: 9.86%
-- Flow 1:
Average throughput: 224.29 Mbit/s
95th percentile per-packet one-way delay: 46.988 ms
Loss rate: 9.18%
-- Flow 2:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: 74.751 ms
Loss rate: 12.83%
-- Flow 3:
Average throughput: 193.60 Mbit/s
95th percentile per-packet one-way delay: 21.574 ms
Loss rate: 9.61%

Run 3: Report of Verus — Data Link

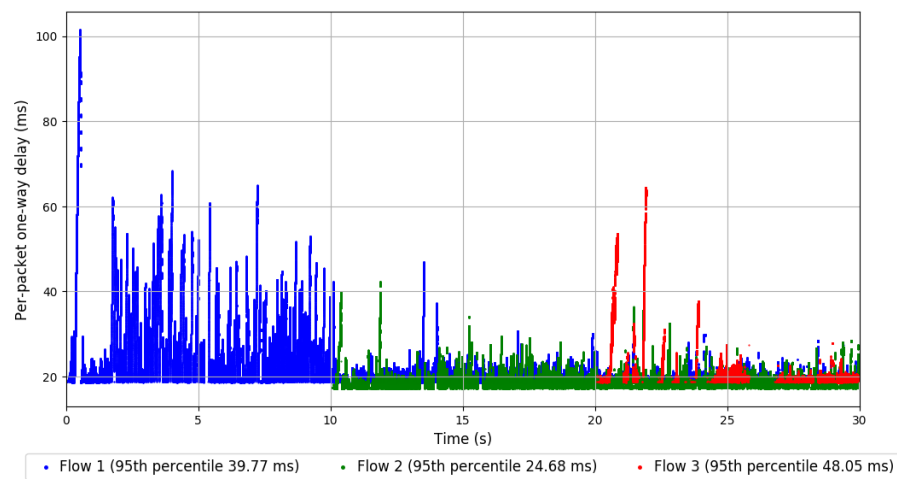
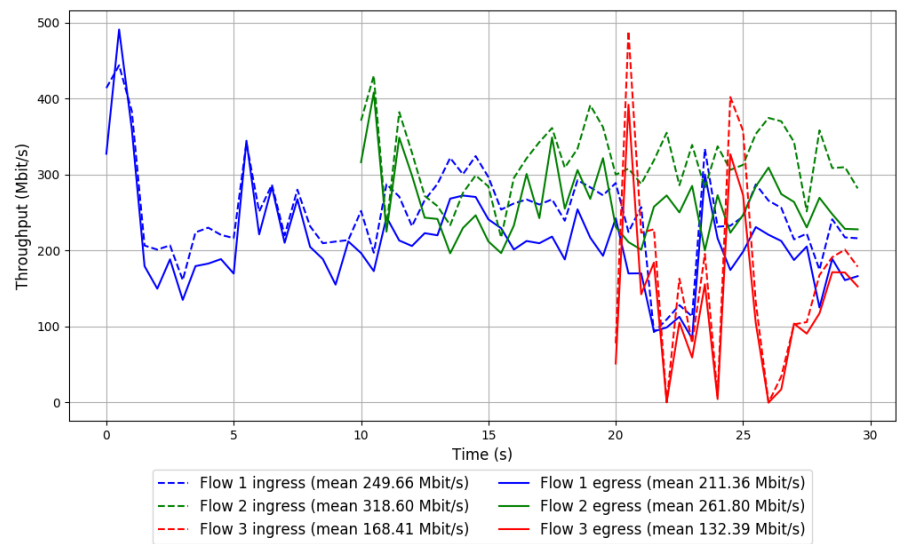


Run 4: Statistics of Verus

Start at: 2018-03-13 20:32:46
End at: 2018-03-13 20:33:16
Local clock offset: 0.957 ms
Remote clock offset: -6.259 ms

Below is generated by plot.py at 2018-03-14 03:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.37 Mbit/s
95th percentile per-packet one-way delay: 34.975 ms
Loss rate: 17.00%
-- Flow 1:
Average throughput: 211.36 Mbit/s
95th percentile per-packet one-way delay: 39.769 ms
Loss rate: 15.34%
-- Flow 2:
Average throughput: 261.80 Mbit/s
95th percentile per-packet one-way delay: 24.680 ms
Loss rate: 17.80%
-- Flow 3:
Average throughput: 132.39 Mbit/s
95th percentile per-packet one-way delay: 48.045 ms
Loss rate: 21.38%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

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

End at: 2018-03-13 21:02:51

Local clock offset: 1.161 ms

Remote clock offset: -6.29 ms

Below is generated by plot.py at 2018-03-14 03:37:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 422.93 Mbit/s

95th percentile per-packet one-way delay: 59.335 ms

Loss rate: 18.41%

-- Flow 1:

Average throughput: 226.49 Mbit/s

95th percentile per-packet one-way delay: 63.644 ms

Loss rate: 21.47%

-- Flow 2:

Average throughput: 174.12 Mbit/s

95th percentile per-packet one-way delay: 36.067 ms

Loss rate: 15.68%

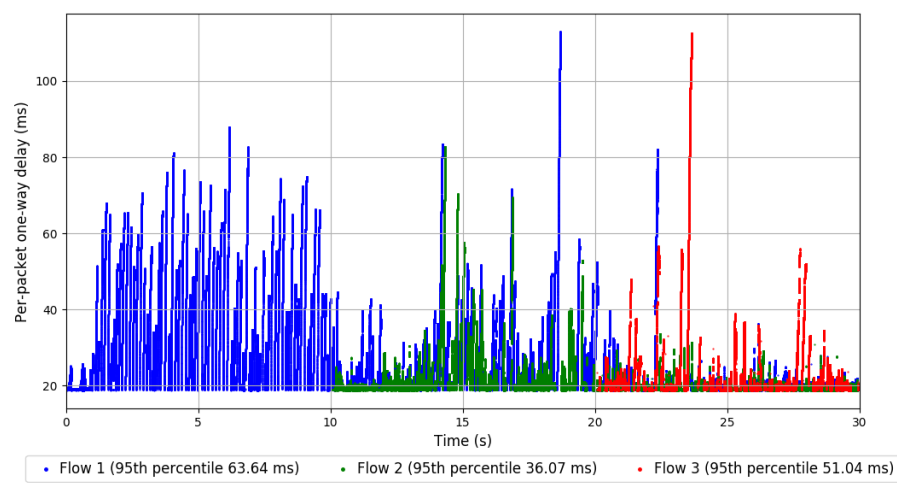
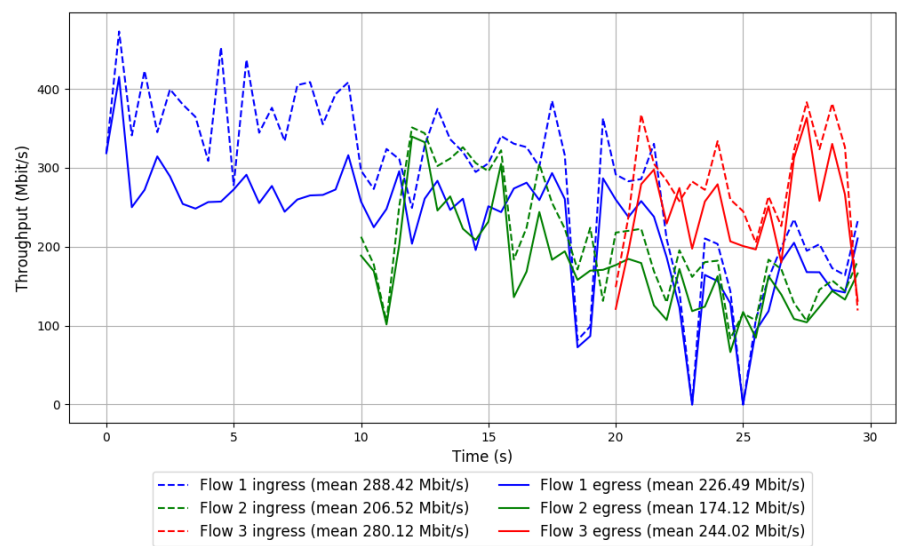
-- Flow 3:

Average throughput: 244.02 Mbit/s

95th percentile per-packet one-way delay: 51.042 ms

Loss rate: 12.92%

Run 5: Report of Verus — Data Link

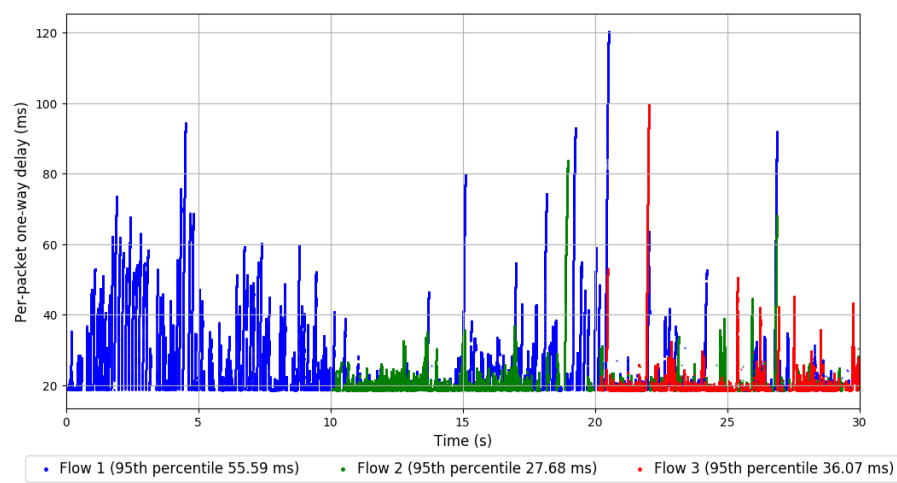
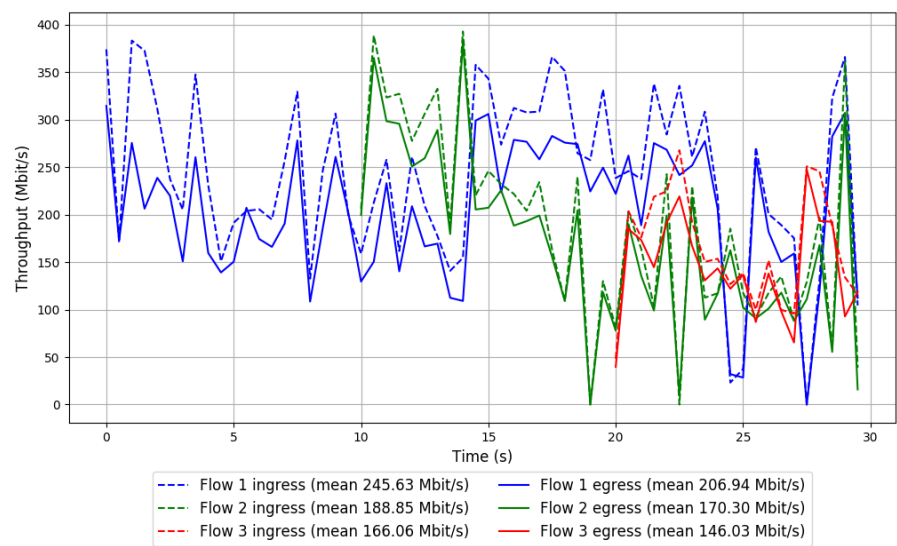


Run 6: Statistics of Verus

Start at: 2018-03-13 21:31:28
End at: 2018-03-13 21:31:58
Local clock offset: 1.081 ms
Remote clock offset: -6.183 ms

Below is generated by plot.py at 2018-03-14 03:37:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.17 Mbit/s
95th percentile per-packet one-way delay: 51.216 ms
Loss rate: 13.51%
-- Flow 1:
Average throughput: 206.94 Mbit/s
95th percentile per-packet one-way delay: 55.590 ms
Loss rate: 15.75%
-- Flow 2:
Average throughput: 170.30 Mbit/s
95th percentile per-packet one-way delay: 27.683 ms
Loss rate: 9.81%
-- Flow 3:
Average throughput: 146.03 Mbit/s
95th percentile per-packet one-way delay: 36.069 ms
Loss rate: 12.05%

Run 6: Report of Verus — Data Link

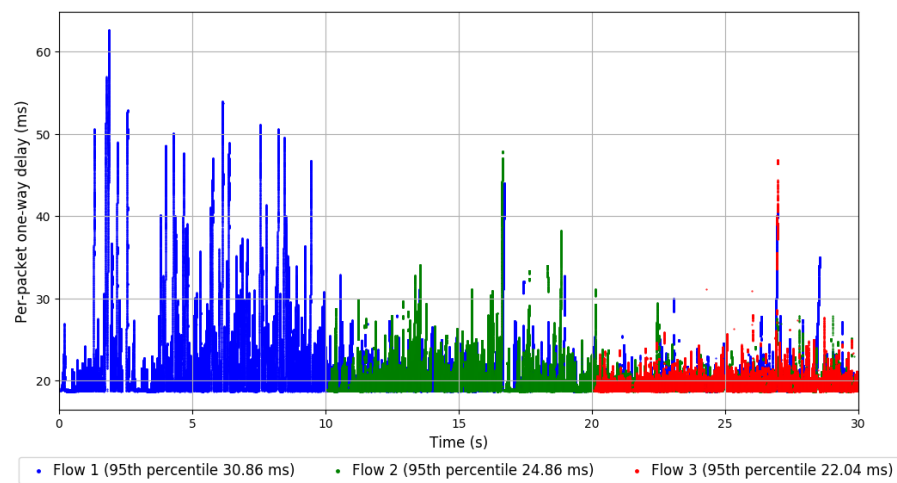
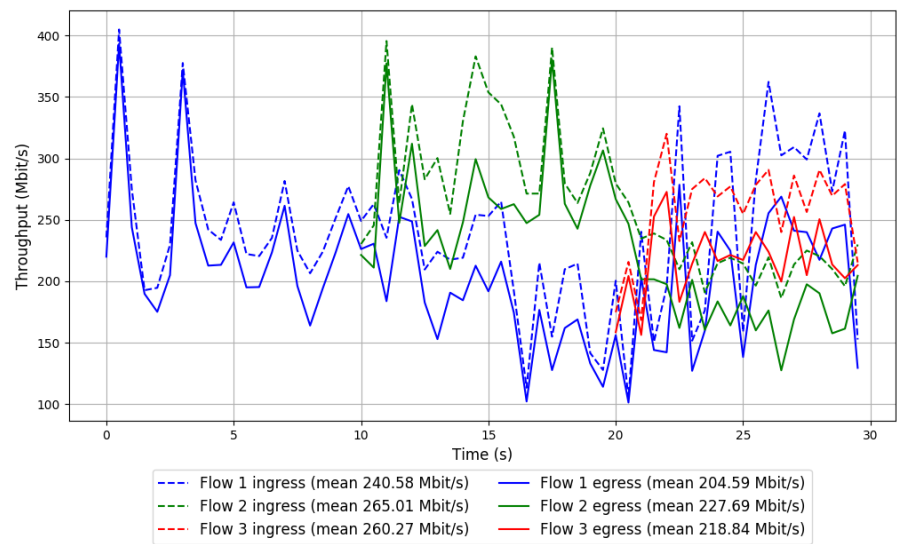


Run 7: Statistics of Verus

Start at: 2018-03-13 22:00:25
End at: 2018-03-13 22:00:55
Local clock offset: 0.436 ms
Remote clock offset: -6.229 ms

Below is generated by plot.py at 2018-03-14 03:41:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.04 Mbit/s
95th percentile per-packet one-way delay: 26.909 ms
Loss rate: 14.81%
-- Flow 1:
Average throughput: 204.59 Mbit/s
95th percentile per-packet one-way delay: 30.855 ms
Loss rate: 14.96%
-- Flow 2:
Average throughput: 227.69 Mbit/s
95th percentile per-packet one-way delay: 24.864 ms
Loss rate: 14.08%
-- Flow 3:
Average throughput: 218.84 Mbit/s
95th percentile per-packet one-way delay: 22.038 ms
Loss rate: 15.91%

Run 7: Report of Verus — Data Link

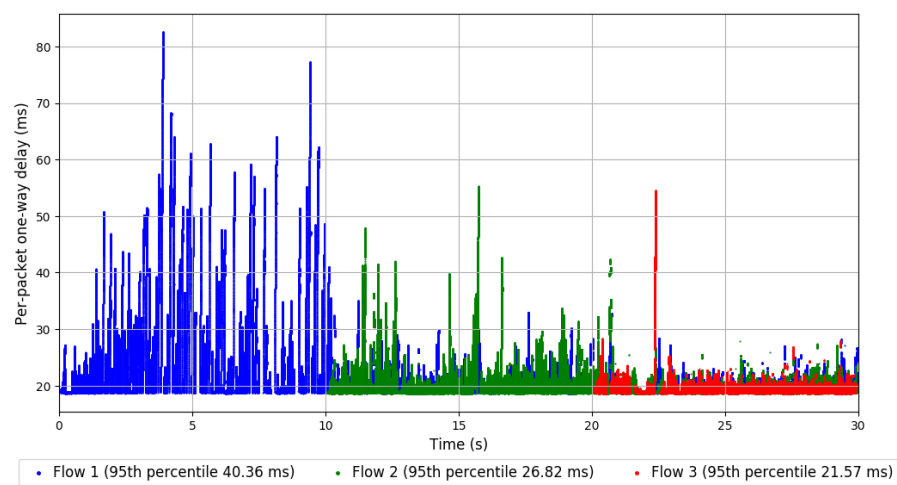
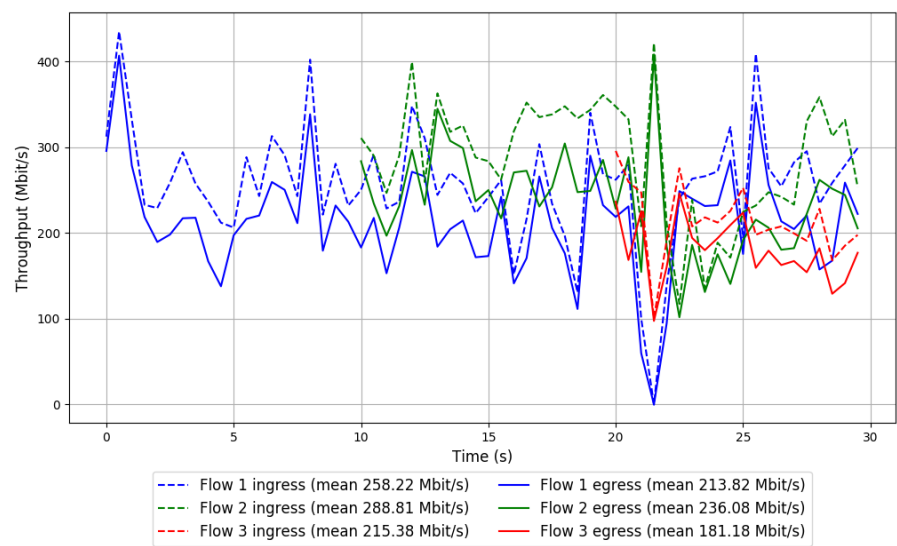


Run 8: Statistics of Verus

Start at: 2018-03-13 22:29:35
End at: 2018-03-13 22:30:05
Local clock offset: 0.665 ms
Remote clock offset: -6.114 ms

Below is generated by plot.py at 2018-03-14 03:41:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 430.92 Mbit/s
95th percentile per-packet one-way delay: 32.011 ms
Loss rate: 17.40%
-- Flow 1:
Average throughput: 213.82 Mbit/s
95th percentile per-packet one-way delay: 40.359 ms
Loss rate: 17.19%
-- Flow 2:
Average throughput: 236.08 Mbit/s
95th percentile per-packet one-way delay: 26.821 ms
Loss rate: 18.25%
-- Flow 3:
Average throughput: 181.18 Mbit/s
95th percentile per-packet one-way delay: 21.567 ms
Loss rate: 15.87%

Run 8: Report of Verus — Data Link

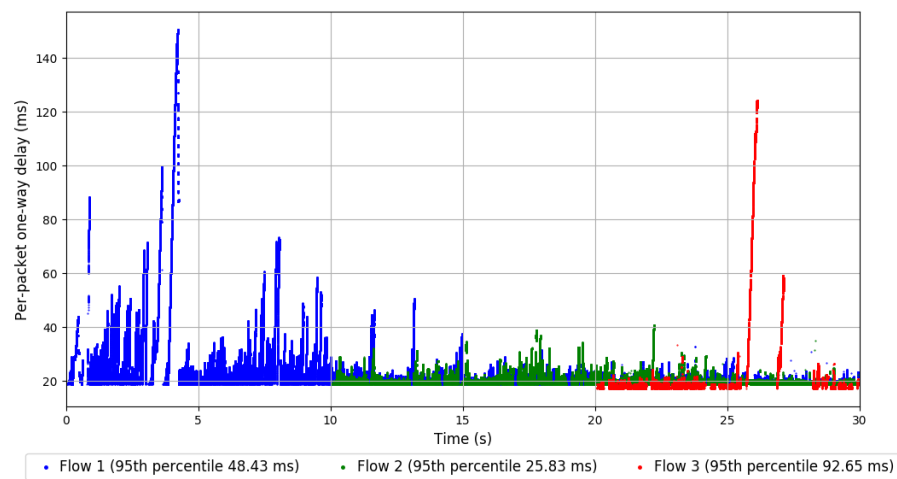
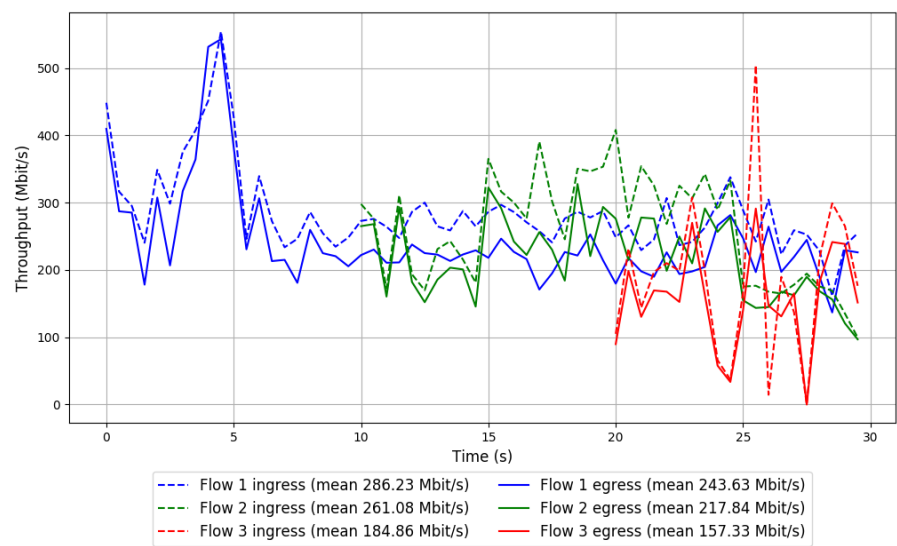


Run 9: Statistics of Verus

Start at: 2018-03-13 22:58:30
End at: 2018-03-13 22:59:00
Local clock offset: 0.64 ms
Remote clock offset: -4.478 ms

Below is generated by plot.py at 2018-03-14 03:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 440.68 Mbit/s
95th percentile per-packet one-way delay: 43.453 ms
Loss rate: 15.44%
-- Flow 1:
Average throughput: 243.63 Mbit/s
95th percentile per-packet one-way delay: 48.427 ms
Loss rate: 14.89%
-- Flow 2:
Average throughput: 217.84 Mbit/s
95th percentile per-packet one-way delay: 25.831 ms
Loss rate: 16.55%
-- Flow 3:
Average throughput: 157.33 Mbit/s
95th percentile per-packet one-way delay: 92.653 ms
Loss rate: 14.91%

Run 9: Report of Verus — Data Link

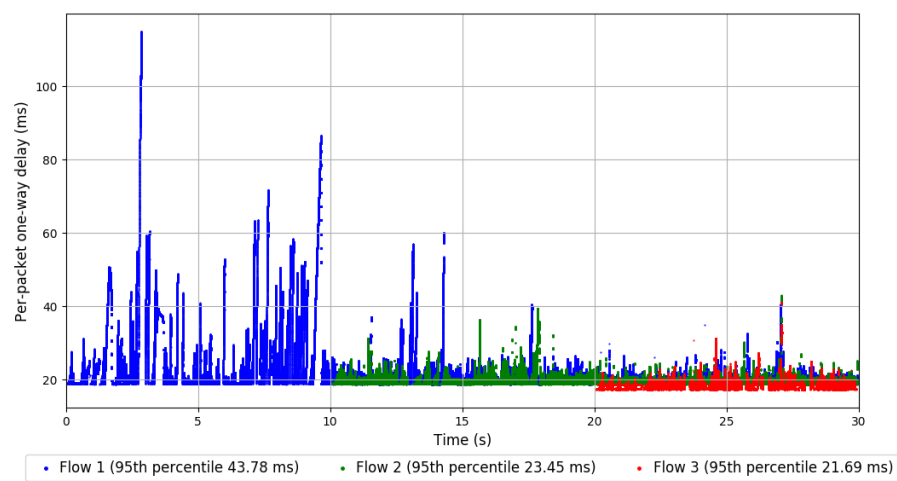
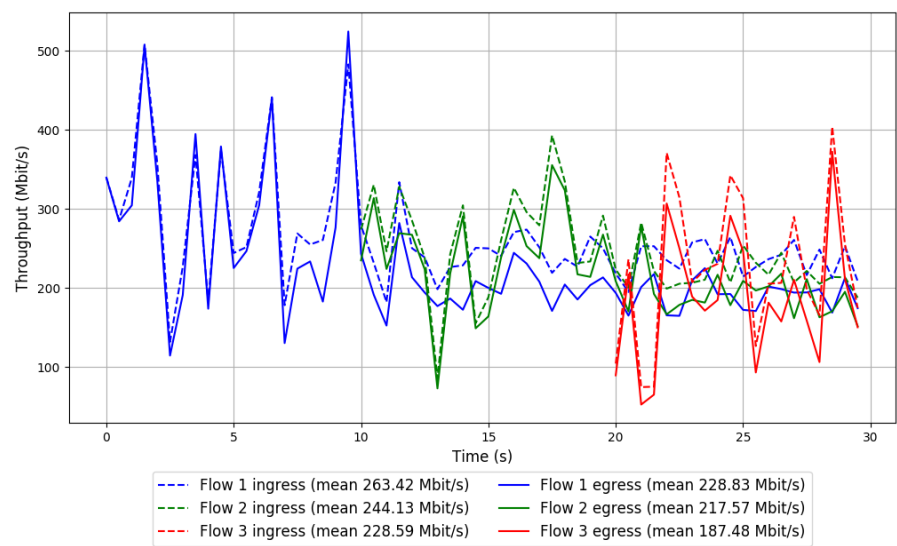


Run 10: Statistics of Verus

Start at: 2018-03-13 23:27:58
End at: 2018-03-13 23:28:28
Local clock offset: 0.498 ms
Remote clock offset: -3.284 ms

Below is generated by plot.py at 2018-03-14 03:43:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 435.43 Mbit/s
95th percentile per-packet one-way delay: 36.324 ms
Loss rate: 13.13%
-- Flow 1:
Average throughput: 228.83 Mbit/s
95th percentile per-packet one-way delay: 43.776 ms
Loss rate: 13.12%
-- Flow 2:
Average throughput: 217.57 Mbit/s
95th percentile per-packet one-way delay: 23.445 ms
Loss rate: 10.87%
-- Flow 3:
Average throughput: 187.48 Mbit/s
95th percentile per-packet one-way delay: 21.689 ms
Loss rate: 17.98%

Run 10: Report of Verus — Data Link

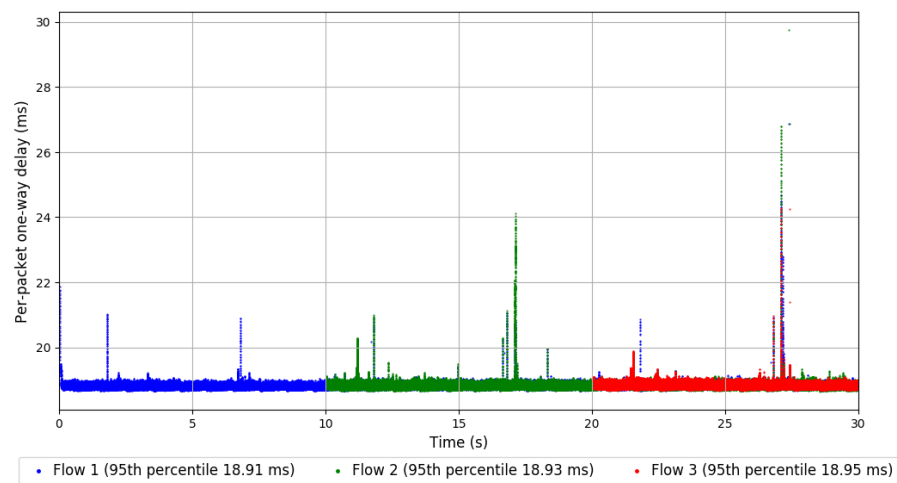
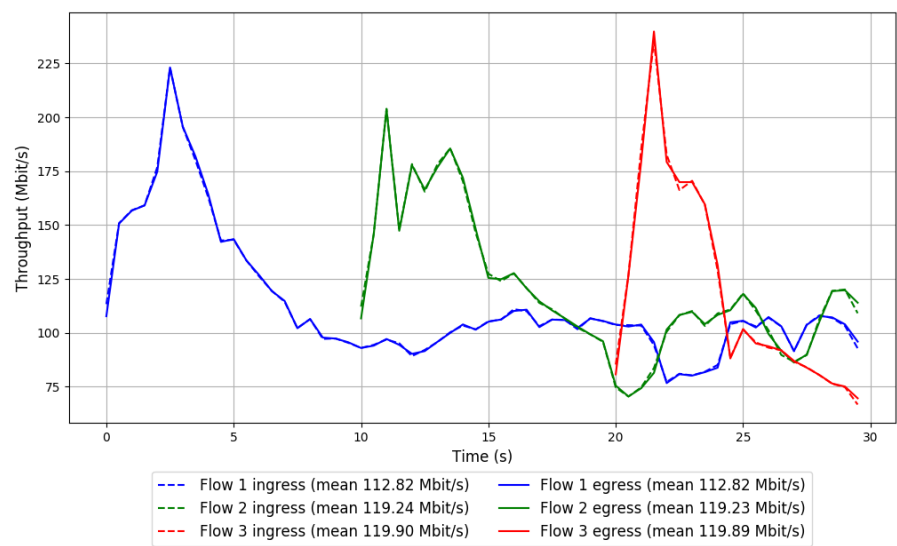


Run 1: Statistics of Copa

Start at: 2018-03-13 18:56:12
End at: 2018-03-13 18:56:42
Local clock offset: 1.145 ms
Remote clock offset: -5.171 ms

Below is generated by plot.py at 2018-03-14 03:43:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.96 Mbit/s
95th percentile per-packet one-way delay: 18.924 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.82 Mbit/s
95th percentile per-packet one-way delay: 18.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.23 Mbit/s
95th percentile per-packet one-way delay: 18.925 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.89 Mbit/s
95th percentile per-packet one-way delay: 18.947 ms
Loss rate: 0.01%

Run 1: Report of Copa — Data Link

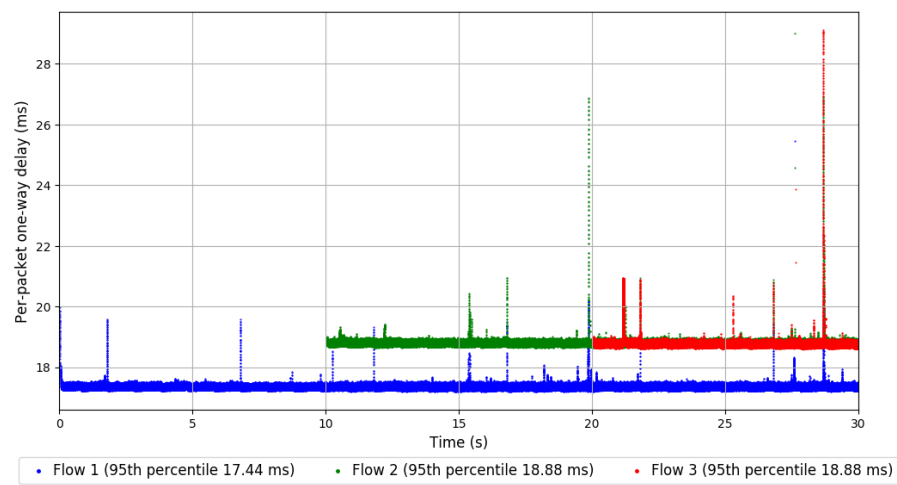
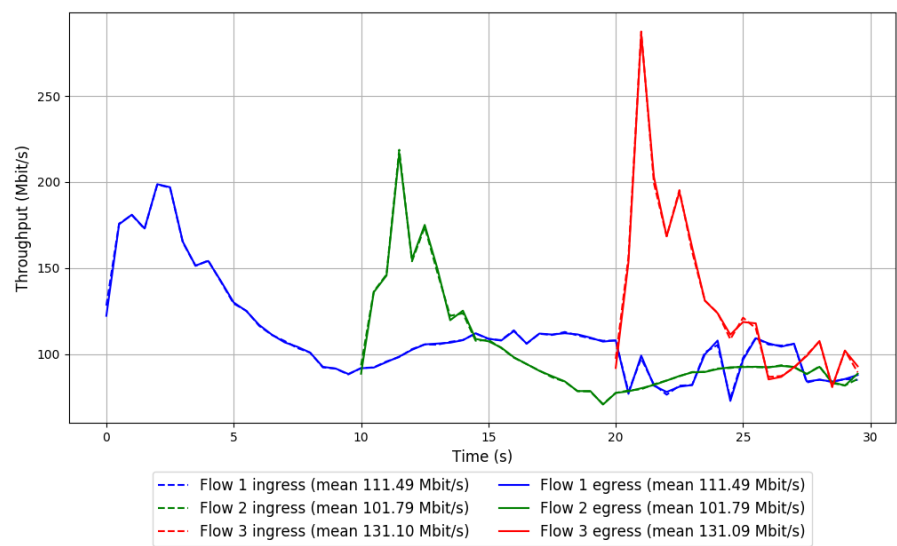


Run 2: Statistics of Copa

Start at: 2018-03-13 19:26:10
End at: 2018-03-13 19:26:40
Local clock offset: 0.974 ms
Remote clock offset: -5.176 ms

Below is generated by plot.py at 2018-03-14 03:43:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.78 Mbit/s
95th percentile per-packet one-way delay: 18.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.49 Mbit/s
95th percentile per-packet one-way delay: 17.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.79 Mbit/s
95th percentile per-packet one-way delay: 18.881 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 131.09 Mbit/s
95th percentile per-packet one-way delay: 18.875 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

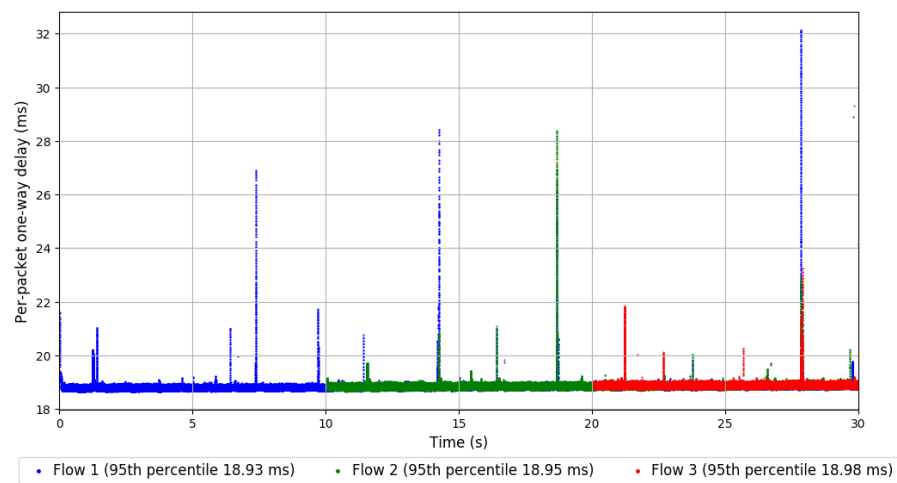
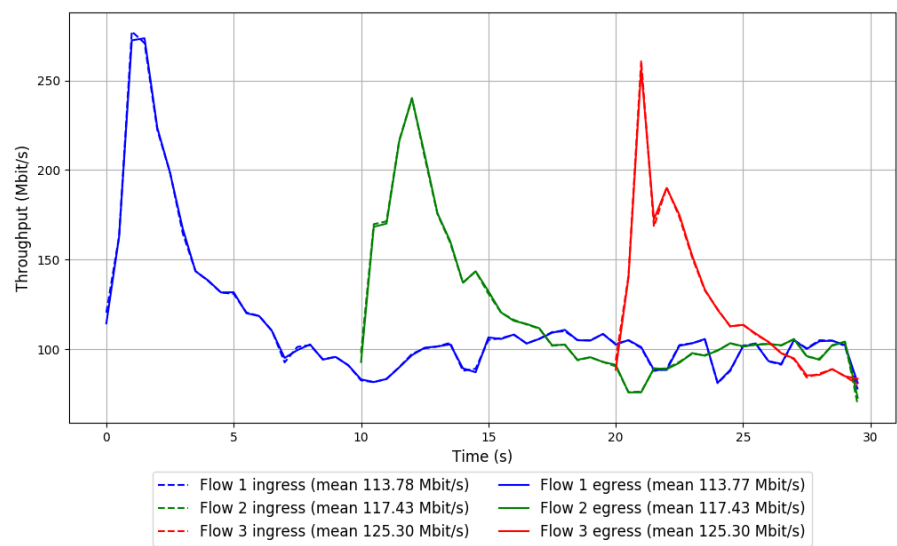


Run 3: Statistics of Copa

Start at: 2018-03-13 19:55:40
End at: 2018-03-13 19:56:10
Local clock offset: 0.904 ms
Remote clock offset: -4.614 ms

Below is generated by plot.py at 2018-03-14 03:43:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.48 Mbit/s
95th percentile per-packet one-way delay: 18.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.77 Mbit/s
95th percentile per-packet one-way delay: 18.925 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 117.43 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.30 Mbit/s
95th percentile per-packet one-way delay: 18.977 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

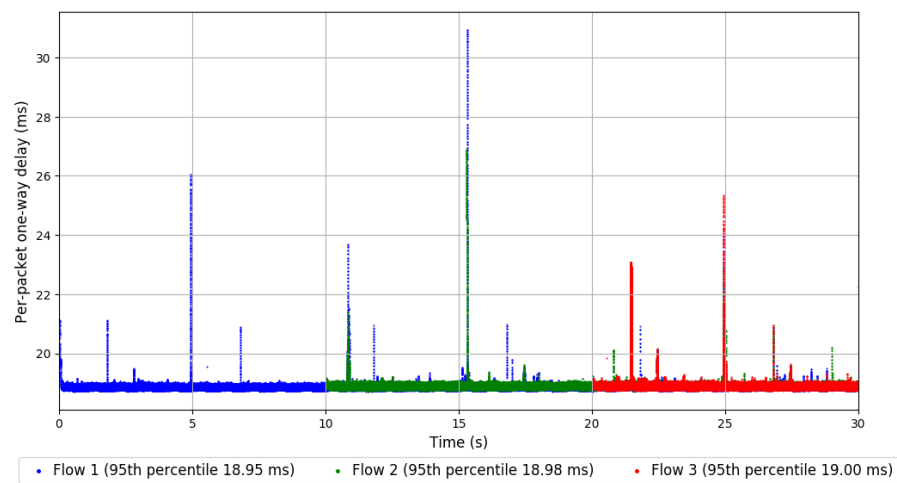
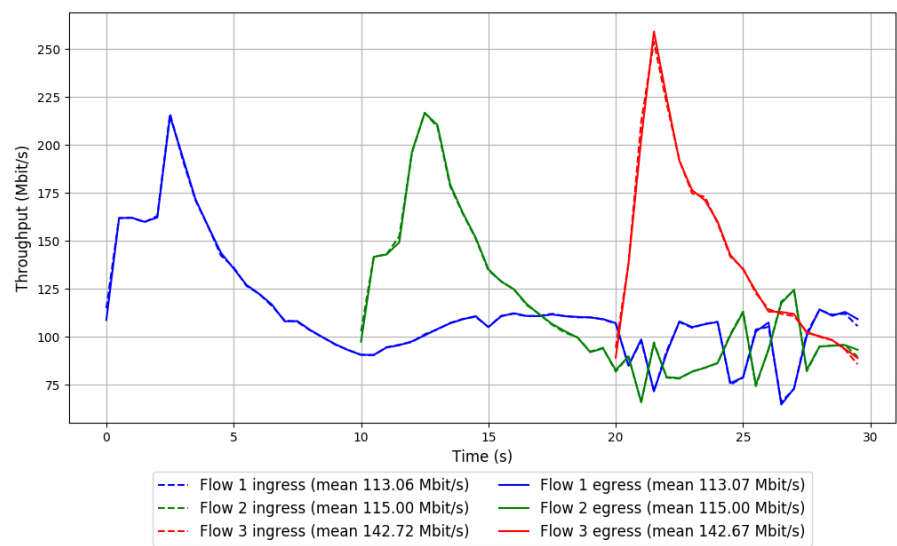


Run 4: Statistics of Copa

Start at: 2018-03-13 20:25:03
End at: 2018-03-13 20:25:33
Local clock offset: 0.706 ms
Remote clock offset: -6.337 ms

Below is generated by plot.py at 2018-03-14 03:44:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.92 Mbit/s
95th percentile per-packet one-way delay: 18.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 113.07 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.00 Mbit/s
95th percentile per-packet one-way delay: 18.977 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.67 Mbit/s
95th percentile per-packet one-way delay: 19.002 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

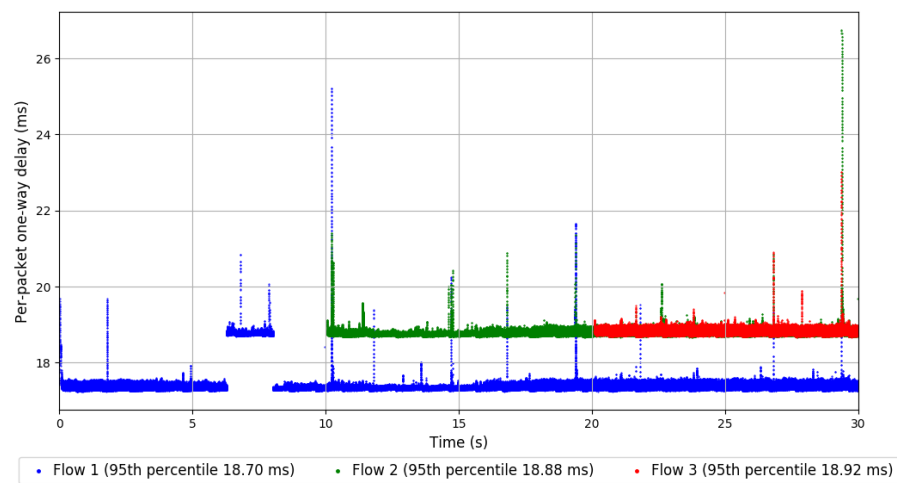
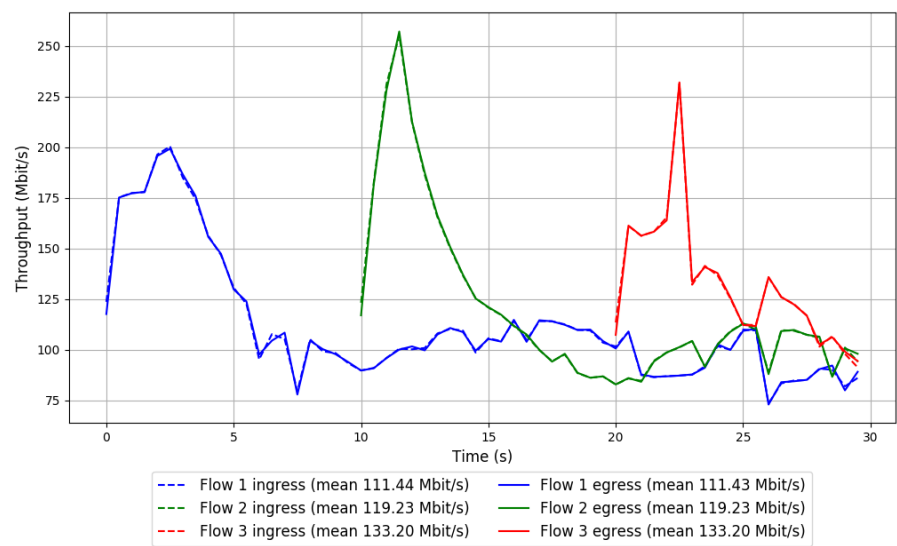


Run 5: Statistics of Copa

Start at: 2018-03-13 20:54:28
End at: 2018-03-13 20:54:58
Local clock offset: 1.38 ms
Remote clock offset: -6.327 ms

Below is generated by plot.py at 2018-03-14 03:47:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.92 Mbit/s
95th percentile per-packet one-way delay: 18.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 111.43 Mbit/s
95th percentile per-packet one-way delay: 18.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.23 Mbit/s
95th percentile per-packet one-way delay: 18.881 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.20 Mbit/s
95th percentile per-packet one-way delay: 18.921 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

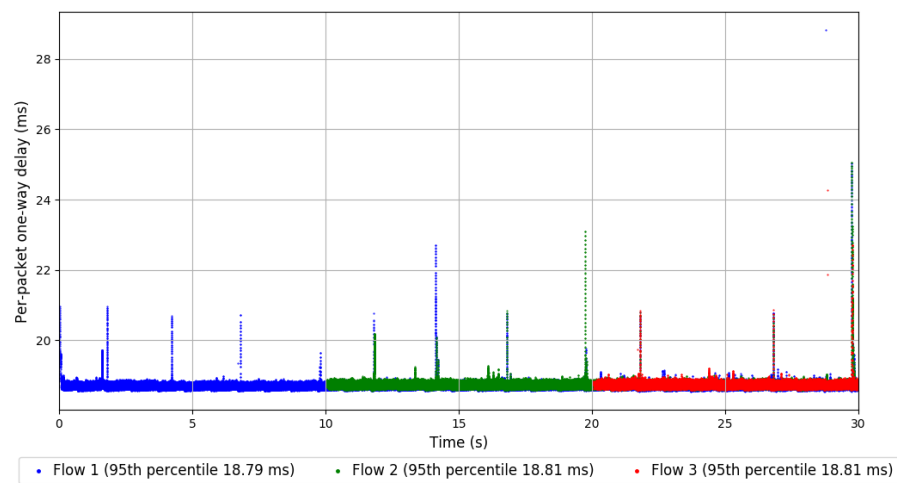
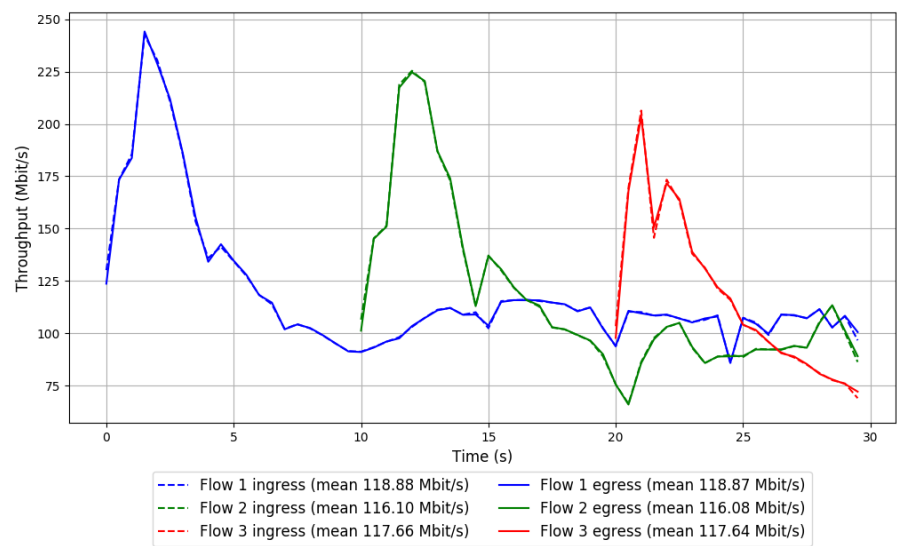


Run 6: Statistics of Copa

Start at: 2018-03-13 21:23:47
End at: 2018-03-13 21:24:17
Local clock offset: 1.146 ms
Remote clock offset: -6.167 ms

Below is generated by plot.py at 2018-03-14 03:47:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.15 Mbit/s
95th percentile per-packet one-way delay: 18.802 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 118.87 Mbit/s
95th percentile per-packet one-way delay: 18.786 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 116.08 Mbit/s
95th percentile per-packet one-way delay: 18.813 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 117.64 Mbit/s
95th percentile per-packet one-way delay: 18.814 ms
Loss rate: 0.01%

Run 6: Report of Copa — Data Link

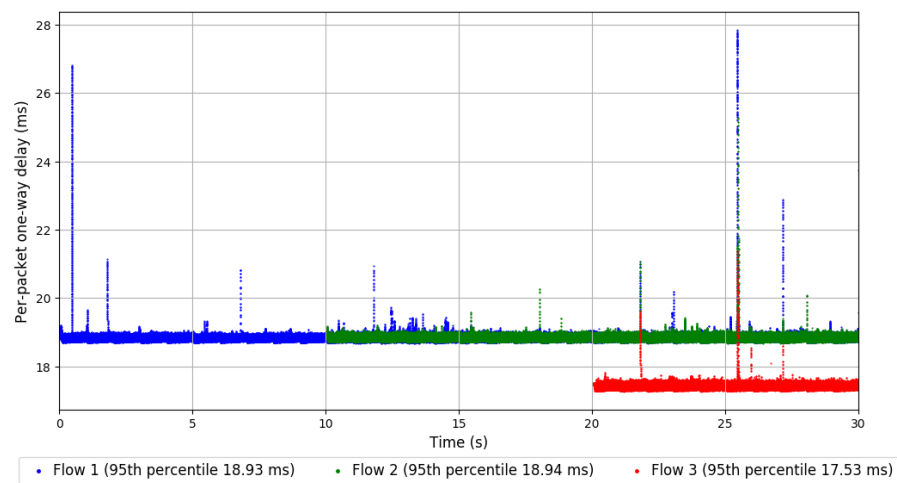
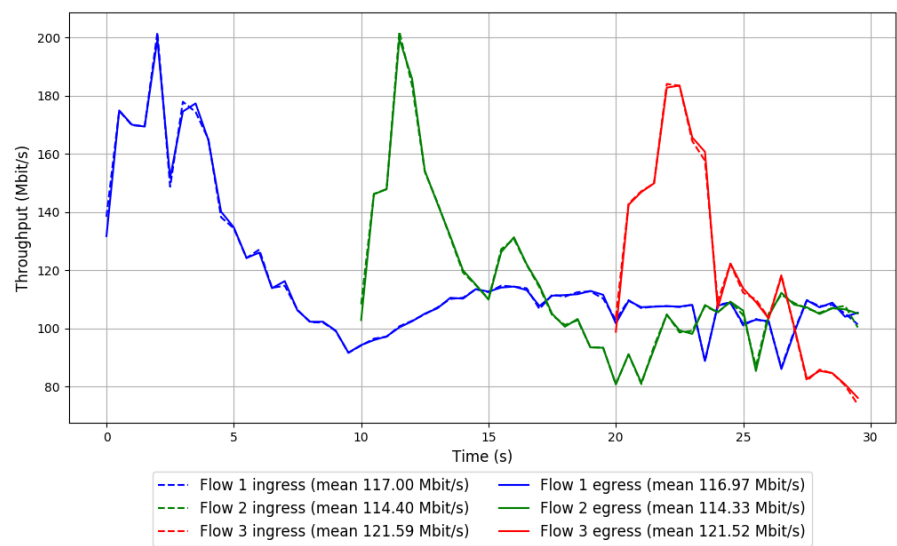


Run 7: Statistics of Copa

Start at: 2018-03-13 21:52:41
End at: 2018-03-13 21:53:11
Local clock offset: 0.542 ms
Remote clock offset: -6.162 ms

Below is generated by plot.py at 2018-03-14 03:48:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.38 Mbit/s
95th percentile per-packet one-way delay: 18.931 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 116.97 Mbit/s
95th percentile per-packet one-way delay: 18.935 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 114.33 Mbit/s
95th percentile per-packet one-way delay: 18.943 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 121.52 Mbit/s
95th percentile per-packet one-way delay: 17.533 ms
Loss rate: 0.05%

Run 7: Report of Copa — Data Link

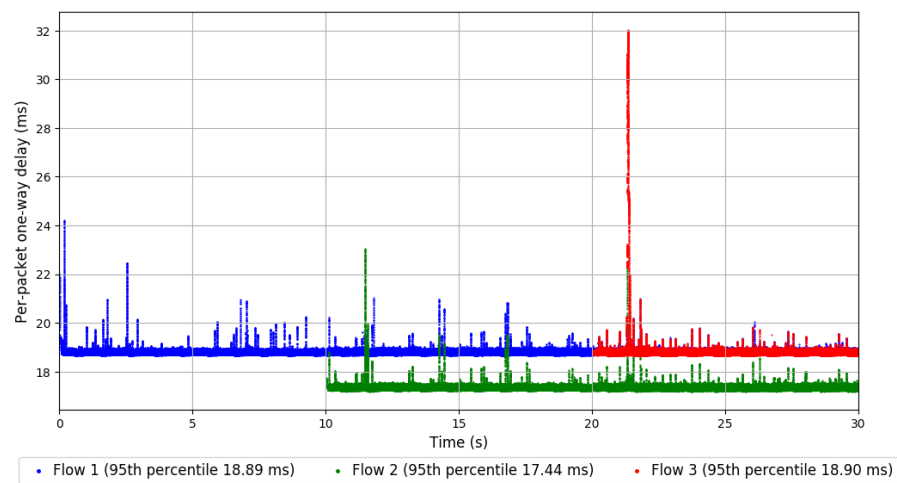
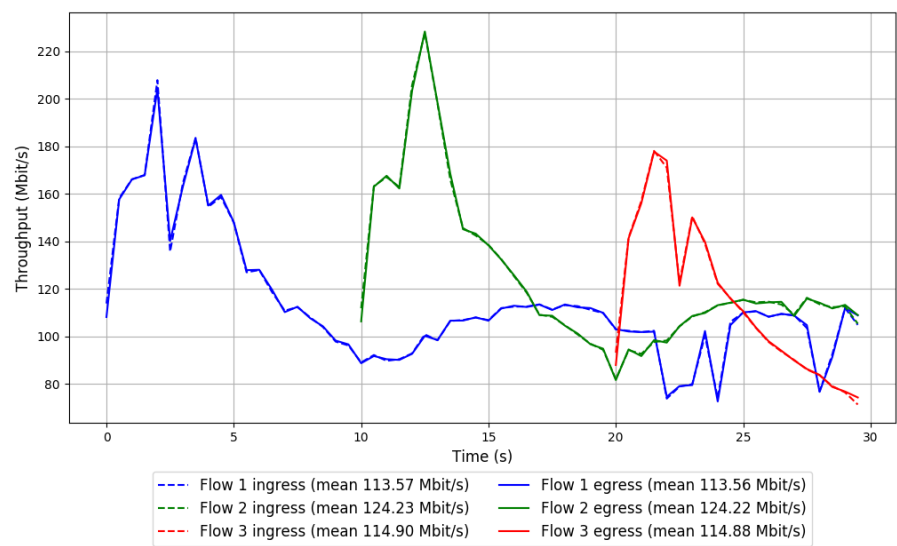


Run 8: Statistics of Copa

Start at: 2018-03-13 22:21:45
End at: 2018-03-13 22:22:15
Local clock offset: 0.665 ms
Remote clock offset: -6.124 ms

Below is generated by plot.py at 2018-03-14 03:49:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.34 Mbit/s
95th percentile per-packet one-way delay: 18.873 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 113.56 Mbit/s
95th percentile per-packet one-way delay: 18.892 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 124.22 Mbit/s
95th percentile per-packet one-way delay: 17.441 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 114.88 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.01%

Run 8: Report of Copa — Data Link

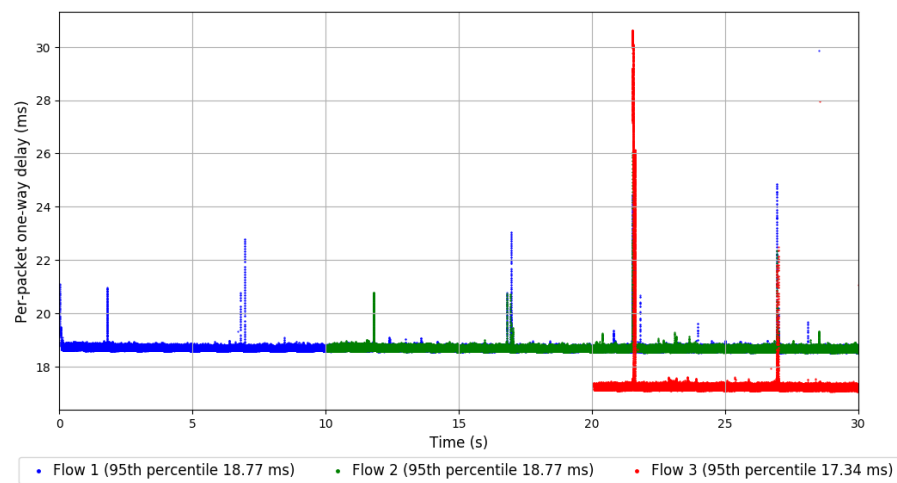
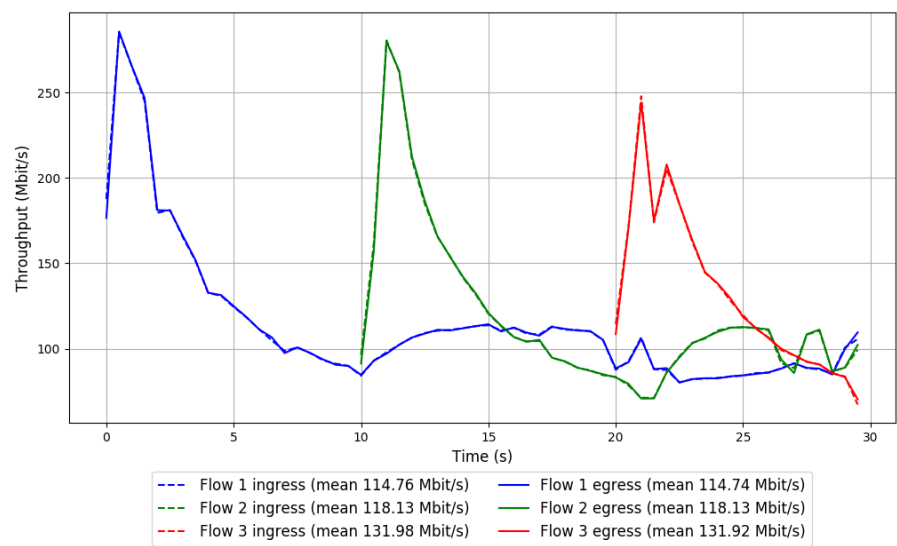


Run 9: Statistics of Copa

Start at: 2018-03-13 22:50:48
End at: 2018-03-13 22:51:18
Local clock offset: 0.694 ms
Remote clock offset: -5.306 ms

Below is generated by plot.py at 2018-03-14 03:49:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.14 Mbit/s
95th percentile per-packet one-way delay: 18.762 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 114.74 Mbit/s
95th percentile per-packet one-way delay: 18.769 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 118.13 Mbit/s
95th percentile per-packet one-way delay: 18.769 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 131.92 Mbit/s
95th percentile per-packet one-way delay: 17.342 ms
Loss rate: 0.01%

Run 9: Report of Copa — Data Link

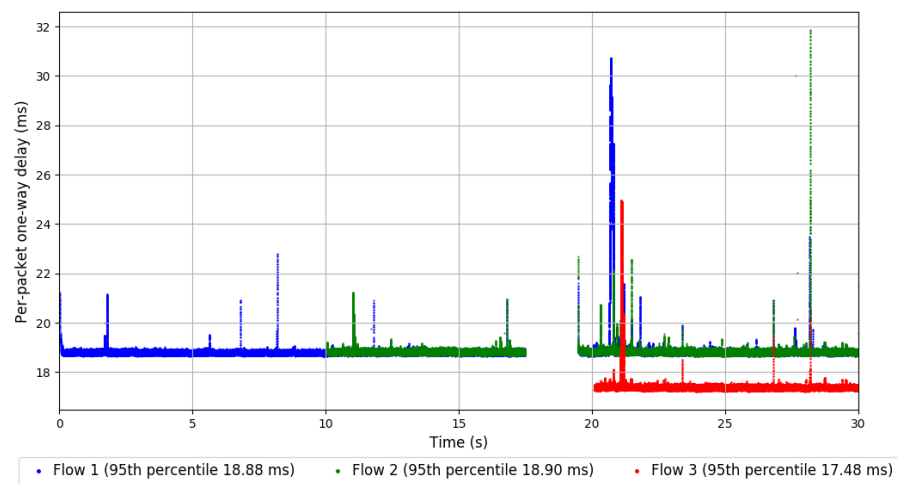
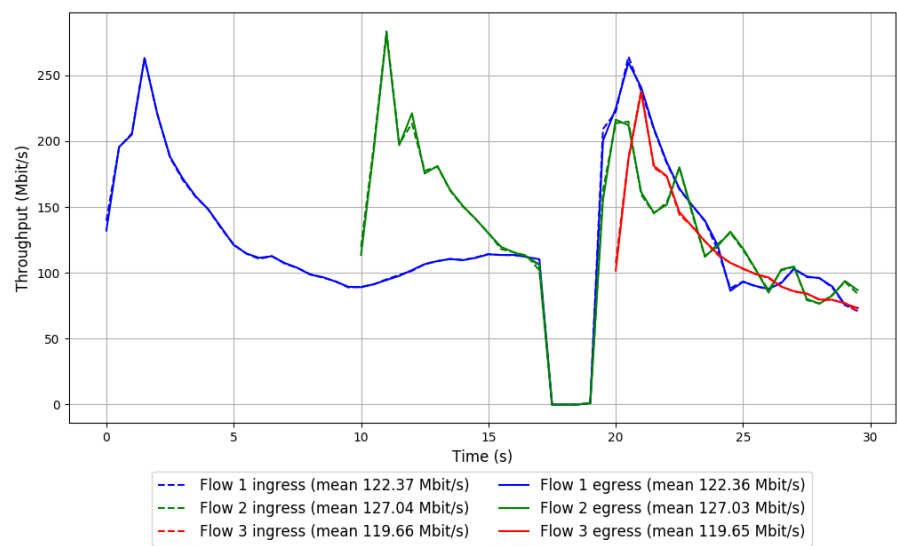


Run 10: Statistics of Copa

Start at: 2018-03-13 23:19:57
End at: 2018-03-13 23:20:27
Local clock offset: 0.478 ms
Remote clock offset: -3.494 ms

Below is generated by plot.py at 2018-03-14 03:49:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.55 Mbit/s
95th percentile per-packet one-way delay: 18.885 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 122.36 Mbit/s
95th percentile per-packet one-way delay: 18.880 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 127.03 Mbit/s
95th percentile per-packet one-way delay: 18.901 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 119.65 Mbit/s
95th percentile per-packet one-way delay: 17.481 ms
Loss rate: 0.01%

Run 10: Report of Copa — Data Link

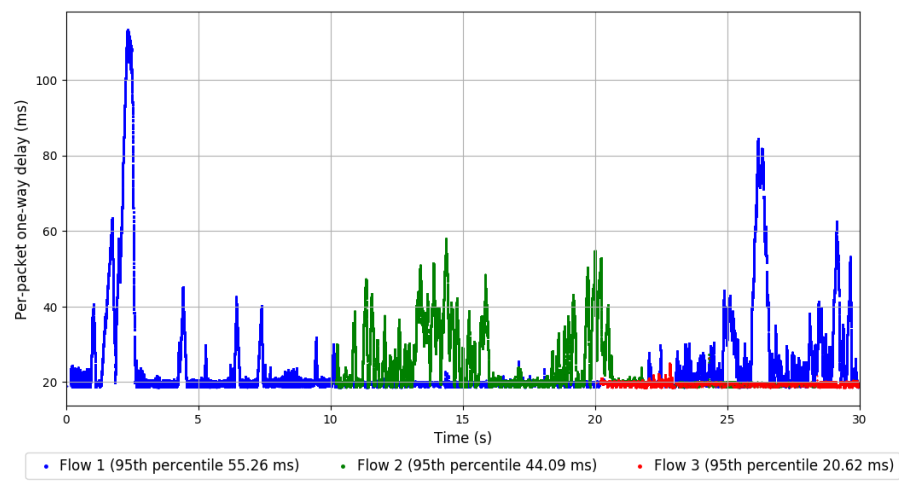
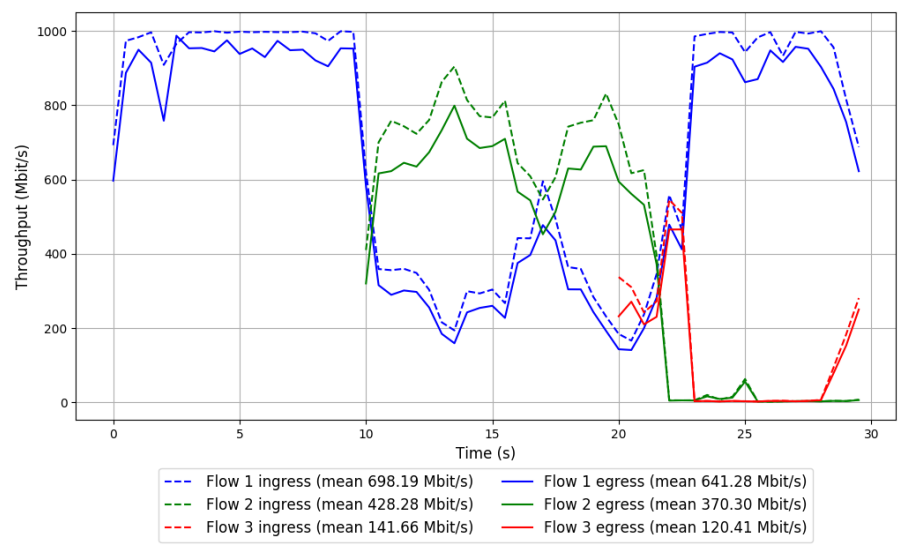


```
Run 1: Statistics of FillP

Start at: 2018-03-13 19:19:24
End at: 2018-03-13 19:19:54
Local clock offset: 1.114 ms
Remote clock offset: -5.36 ms

# Below is generated by plot.py at 2018-03-14 03:57:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 927.38 Mbit/s
95th percentile per-packet one-way delay: 48.397 ms
Loss rate: 9.95%
-- Flow 1:
Average throughput: 641.28 Mbit/s
95th percentile per-packet one-way delay: 55.256 ms
Loss rate: 8.15%
-- Flow 2:
Average throughput: 370.30 Mbit/s
95th percentile per-packet one-way delay: 44.088 ms
Loss rate: 13.54%
-- Flow 3:
Average throughput: 120.41 Mbit/s
95th percentile per-packet one-way delay: 20.623 ms
Loss rate: 15.00%
```


Run 1: Report of FillP — Data Link

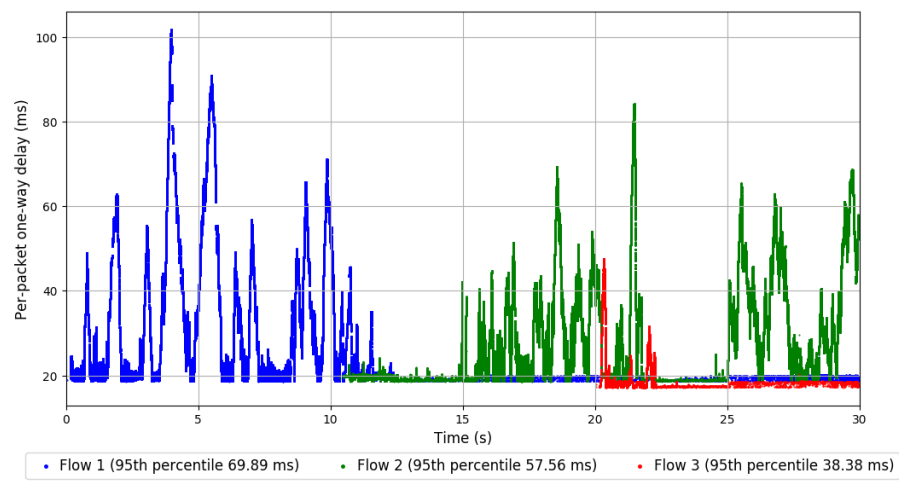
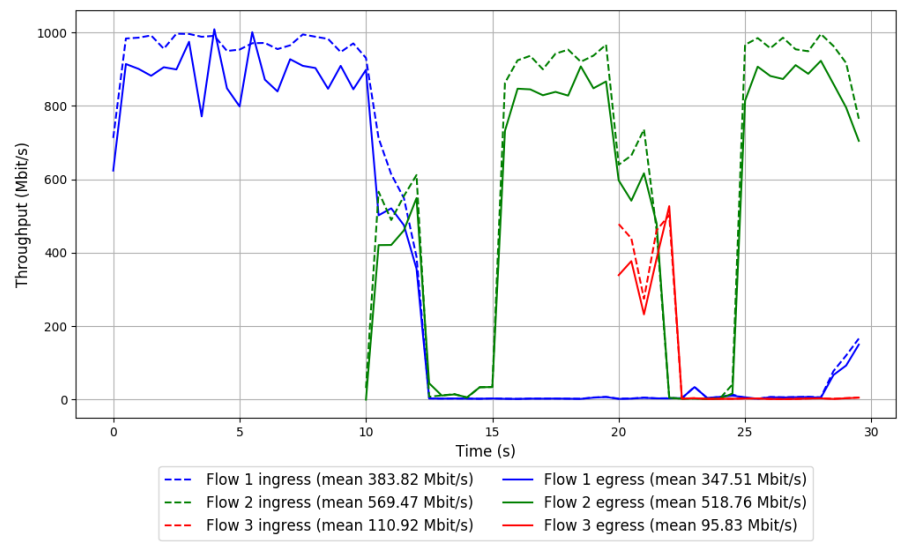


Run 2: Statistics of FillP

Start at: 2018-03-13 19:49:10
End at: 2018-03-13 19:49:40
Local clock offset: 0.861 ms
Remote clock offset: -4.781 ms

Below is generated by plot.py at 2018-03-14 03:57:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 719.32 Mbit/s
95th percentile per-packet one-way delay: 62.347 ms
Loss rate: 10.05%
-- Flow 1:
Average throughput: 347.51 Mbit/s
95th percentile per-packet one-way delay: 69.886 ms
Loss rate: 9.46%
-- Flow 2:
Average throughput: 518.76 Mbit/s
95th percentile per-packet one-way delay: 57.563 ms
Loss rate: 10.29%
-- Flow 3:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 38.378 ms
Loss rate: 13.60%

Run 2: Report of FillP — Data Link

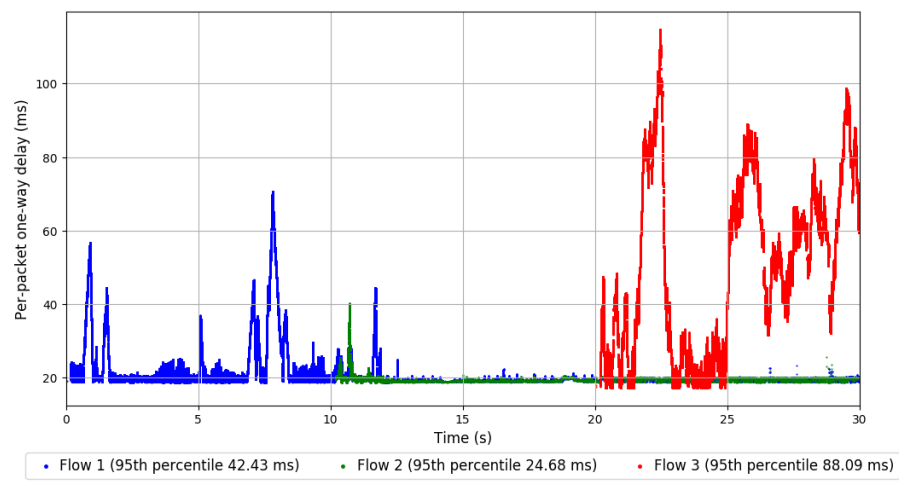
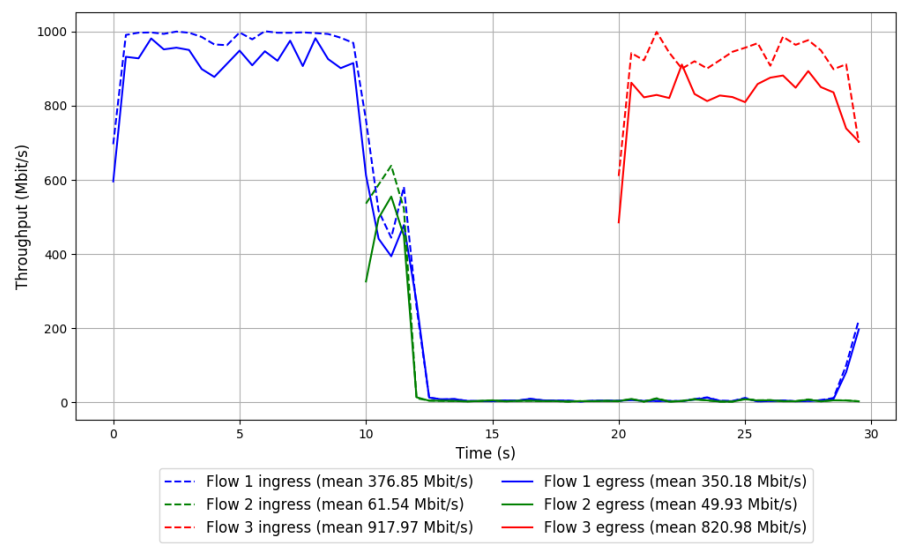


Run 3: Statistics of FillP

Start at: 2018-03-13 20:18:27
End at: 2018-03-13 20:18:57
Local clock offset: 0.696 ms
Remote clock offset: -6.169 ms

Below is generated by plot.py at 2018-03-14 03:57:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 655.65 Mbit/s
95th percentile per-packet one-way delay: 81.174 ms
Loss rate: 9.16%
-- Flow 1:
Average throughput: 350.18 Mbit/s
95th percentile per-packet one-way delay: 42.434 ms
Loss rate: 7.08%
-- Flow 2:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 24.680 ms
Loss rate: 18.86%
-- Flow 3:
Average throughput: 820.98 Mbit/s
95th percentile per-packet one-way delay: 88.086 ms
Loss rate: 10.44%

Run 3: Report of FillP — Data Link

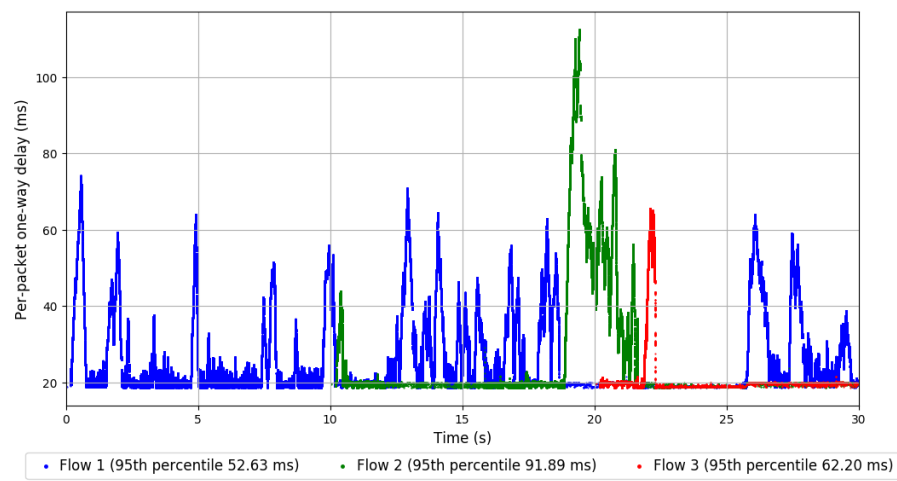
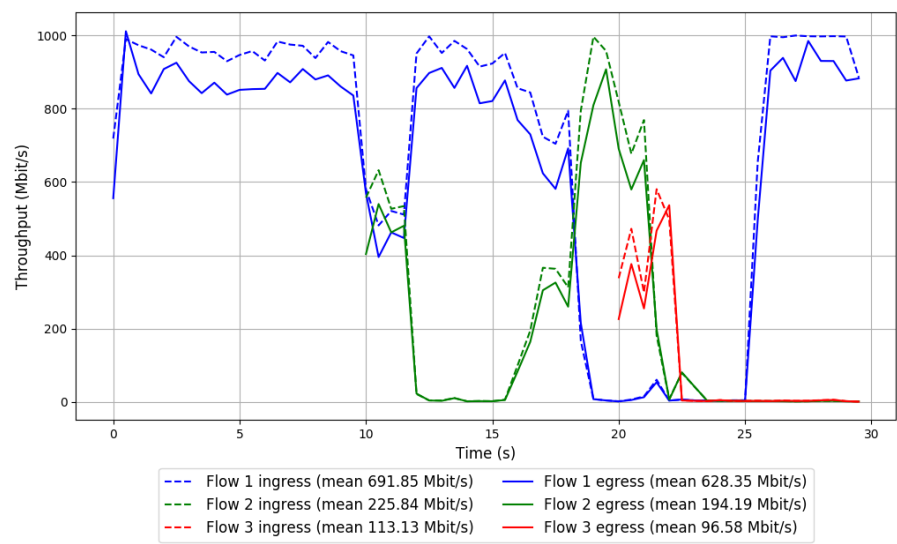


Run 4: Statistics of FillP

Start at: 2018-03-13 20:47:50
End at: 2018-03-13 20:48:20
Local clock offset: 1.314 ms
Remote clock offset: -6.309 ms

Below is generated by plot.py at 2018-03-14 04:00:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 789.59 Mbit/s
95th percentile per-packet one-way delay: 60.473 ms
Loss rate: 10.23%
-- Flow 1:
Average throughput: 628.35 Mbit/s
95th percentile per-packet one-way delay: 52.633 ms
Loss rate: 9.18%
-- Flow 2:
Average throughput: 194.19 Mbit/s
95th percentile per-packet one-way delay: 91.893 ms
Loss rate: 14.01%
-- Flow 3:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 62.201 ms
Loss rate: 14.63%

Run 4: Report of FillP — Data Link

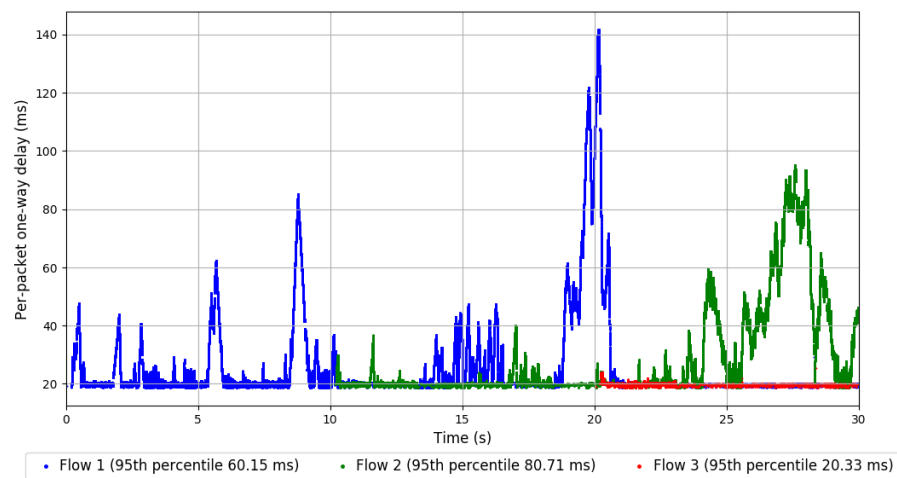
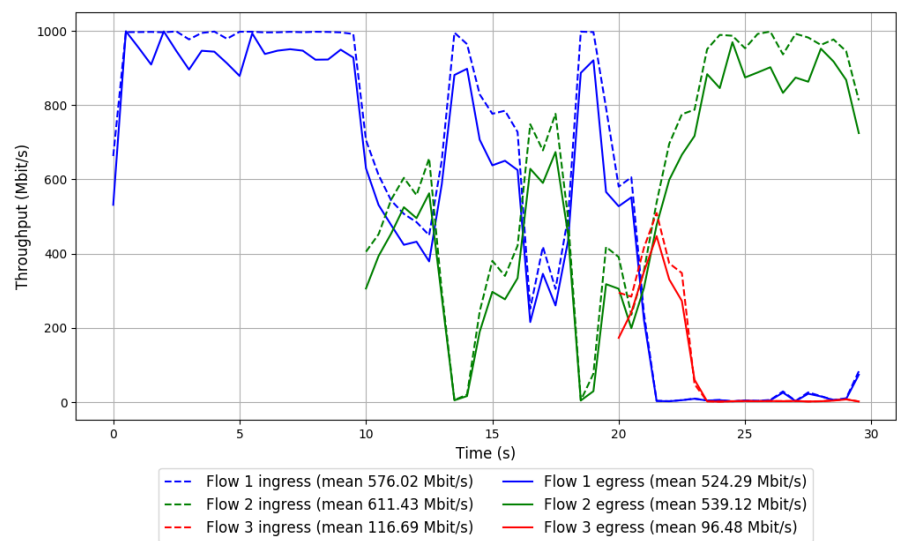


Run 5: Statistics of FillP

Start at: 2018-03-13 21:17:11
End at: 2018-03-13 21:17:41
Local clock offset: 0.981 ms
Remote clock offset: -6.136 ms

Below is generated by plot.py at 2018-03-14 04:03:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 915.21 Mbit/s
95th percentile per-packet one-way delay: 72.949 ms
Loss rate: 10.43%
-- Flow 1:
Average throughput: 524.29 Mbit/s
95th percentile per-packet one-way delay: 60.154 ms
Loss rate: 8.98%
-- Flow 2:
Average throughput: 539.12 Mbit/s
95th percentile per-packet one-way delay: 80.708 ms
Loss rate: 11.83%
-- Flow 3:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 20.327 ms
Loss rate: 17.31%

Run 5: Report of FillP — Data Link

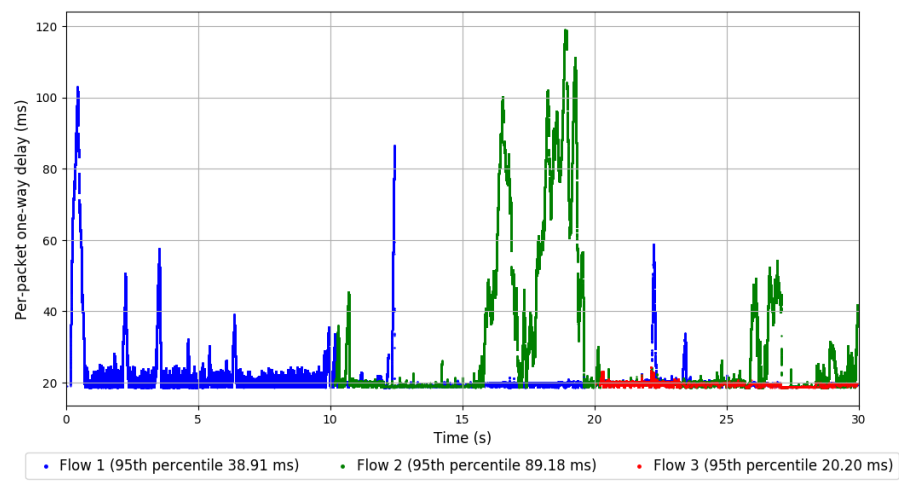
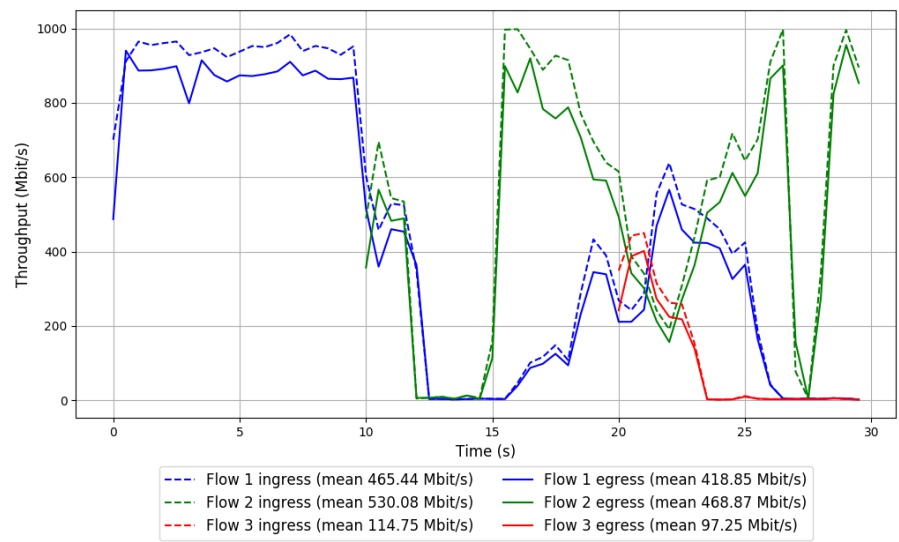


Run 6: Statistics of FillP

Start at: 2018-03-13 21:46:14
End at: 2018-03-13 21:46:44
Local clock offset: 0.703 ms
Remote clock offset: -6.165 ms

Below is generated by plot.py at 2018-03-14 04:03:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 763.17 Mbit/s
95th percentile per-packet one-way delay: 77.333 ms
Loss rate: 10.87%
-- Flow 1:
Average throughput: 418.85 Mbit/s
95th percentile per-packet one-way delay: 38.913 ms
Loss rate: 10.01%
-- Flow 2:
Average throughput: 468.87 Mbit/s
95th percentile per-packet one-way delay: 89.179 ms
Loss rate: 11.54%
-- Flow 3:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 20.195 ms
Loss rate: 15.25%

Run 6: Report of FillP — Data Link

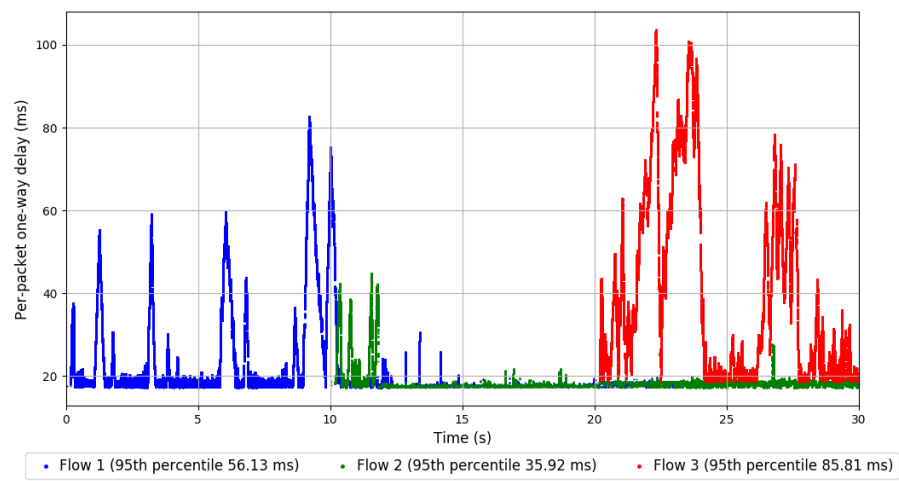
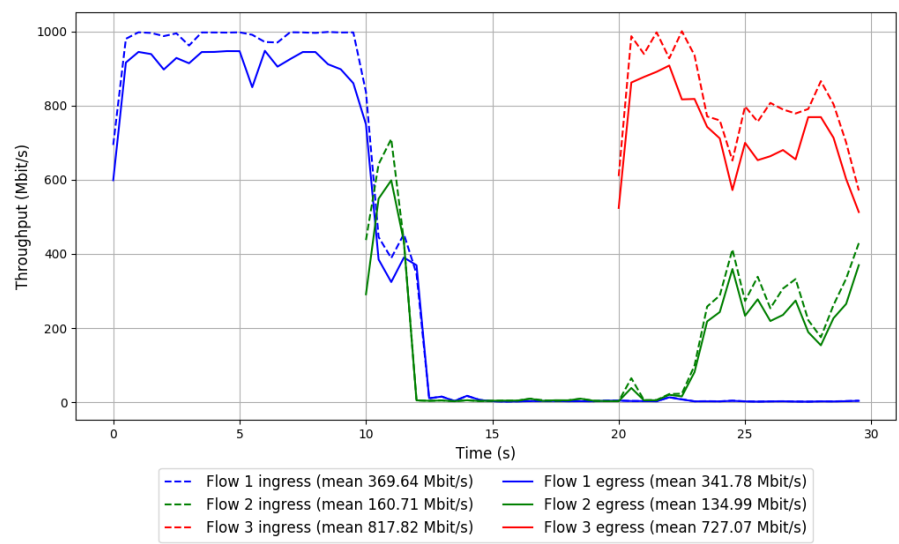


Run 7: Statistics of FillP

Start at: 2018-03-13 22:15:19
End at: 2018-03-13 22:15:49
Local clock offset: 0.632 ms
Remote clock offset: -6.208 ms

Below is generated by plot.py at 2018-03-14 04:03:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 672.63 Mbit/s
95th percentile per-packet one-way delay: 74.137 ms
Loss rate: 10.04%
-- Flow 1:
Average throughput: 341.78 Mbit/s
95th percentile per-packet one-way delay: 56.130 ms
Loss rate: 7.54%
-- Flow 2:
Average throughput: 134.99 Mbit/s
95th percentile per-packet one-way delay: 35.924 ms
Loss rate: 16.01%
-- Flow 3:
Average throughput: 727.07 Mbit/s
95th percentile per-packet one-way delay: 85.806 ms
Loss rate: 11.10%

Run 7: Report of FillP — Data Link

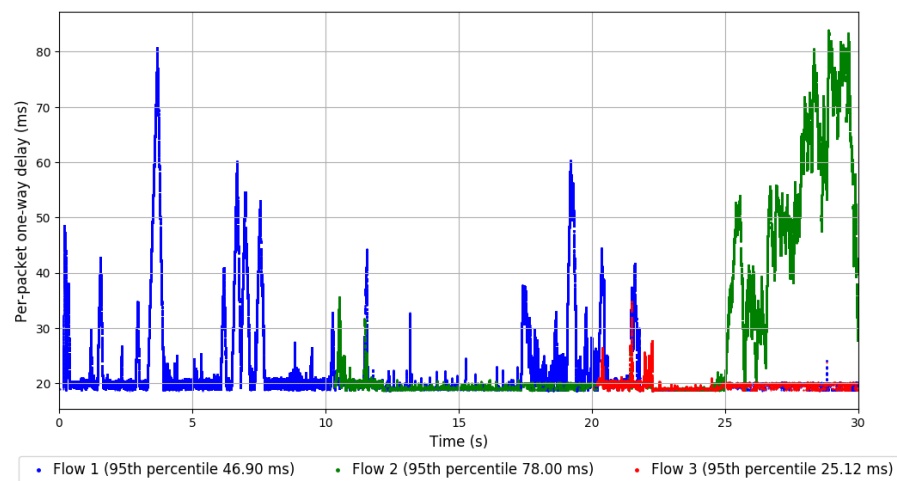
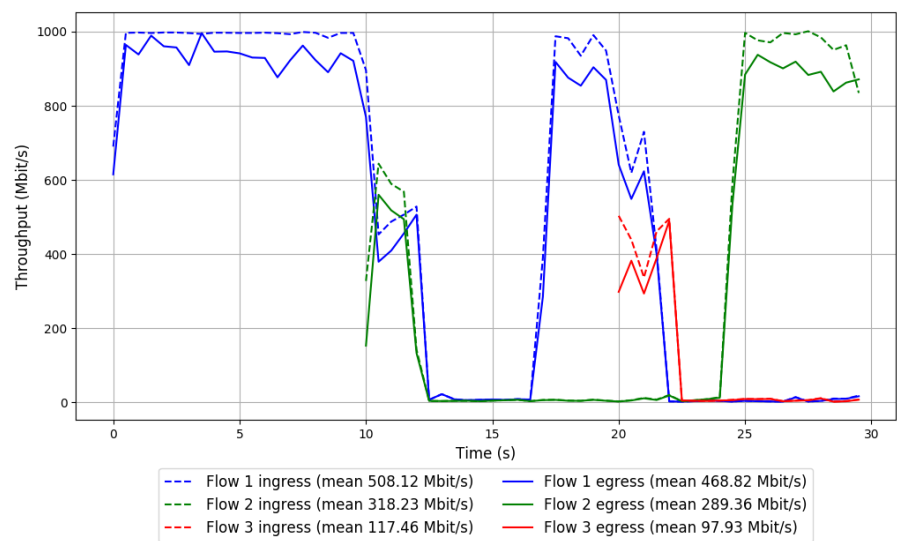


Run 8: Statistics of FillP

Start at: 2018-03-13 22:44:24
End at: 2018-03-13 22:44:54
Local clock offset: 0.713 ms
Remote clock offset: -6.037 ms

Below is generated by plot.py at 2018-03-14 04:03:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 692.44 Mbit/s
95th percentile per-packet one-way delay: 68.448 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 468.82 Mbit/s
95th percentile per-packet one-way delay: 46.898 ms
Loss rate: 7.73%
-- Flow 2:
Average throughput: 289.36 Mbit/s
95th percentile per-packet one-way delay: 78.004 ms
Loss rate: 9.76%
-- Flow 3:
Average throughput: 97.93 Mbit/s
95th percentile per-packet one-way delay: 25.124 ms
Loss rate: 16.62%

Run 8: Report of FillP — Data Link

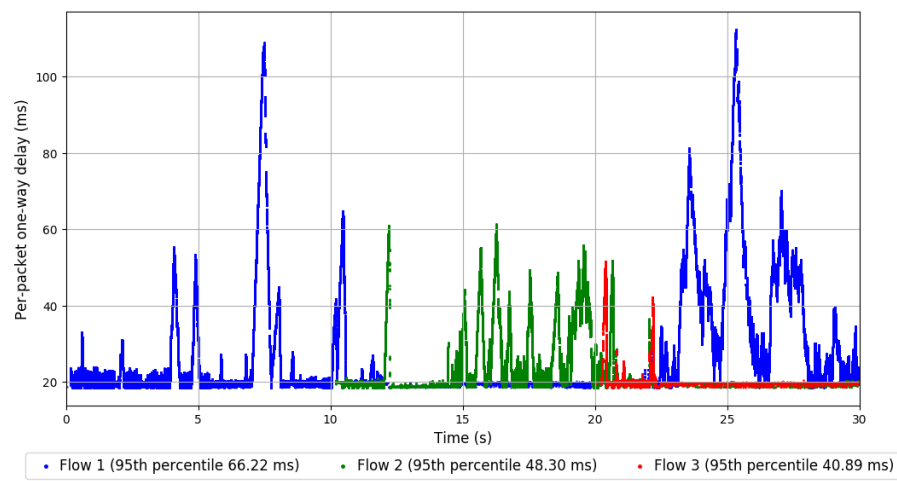
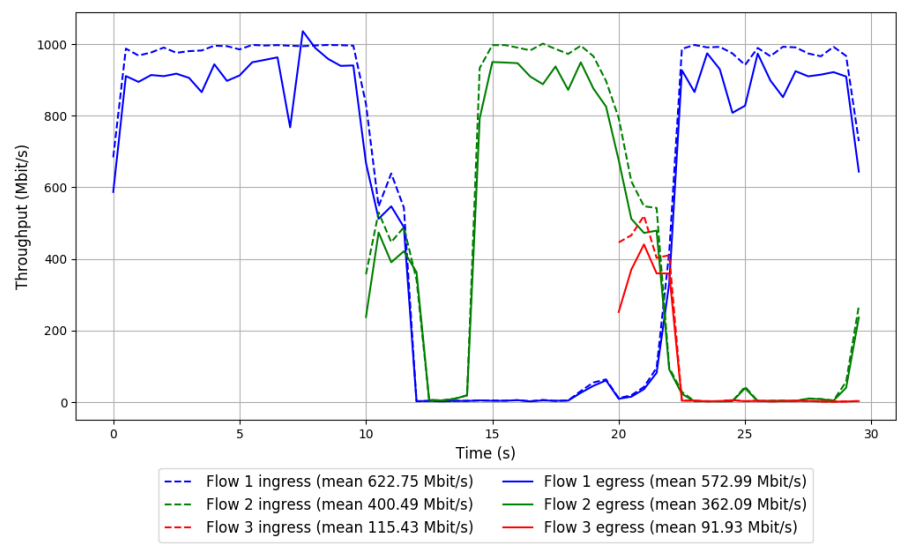


Run 9: Statistics of FillP

Start at: 2018-03-13 23:13:23
End at: 2018-03-13 23:13:53
Local clock offset: 0.372 ms
Remote clock offset: -3.772 ms

Below is generated by plot.py at 2018-03-14 04:08:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 844.56 Mbit/s
95th percentile per-packet one-way delay: 59.245 ms
Loss rate: 8.96%
-- Flow 1:
Average throughput: 572.99 Mbit/s
95th percentile per-packet one-way delay: 66.219 ms
Loss rate: 7.99%
-- Flow 2:
Average throughput: 362.09 Mbit/s
95th percentile per-packet one-way delay: 48.300 ms
Loss rate: 9.58%
-- Flow 3:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 40.887 ms
Loss rate: 20.37%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-03-13 23:42:46

End at: 2018-03-13 23:43:16

Local clock offset: 0.414 ms

Remote clock offset: -2.95 ms

Below is generated by plot.py at 2018-03-14 04:11:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 801.88 Mbit/s

95th percentile per-packet one-way delay: 82.347 ms

Loss rate: 9.94%

-- Flow 1:

Average throughput: 406.32 Mbit/s

95th percentile per-packet one-way delay: 69.556 ms

Loss rate: 9.16%

-- Flow 2:

Average throughput: 369.13 Mbit/s

95th percentile per-packet one-way delay: 96.291 ms

Loss rate: 11.56%

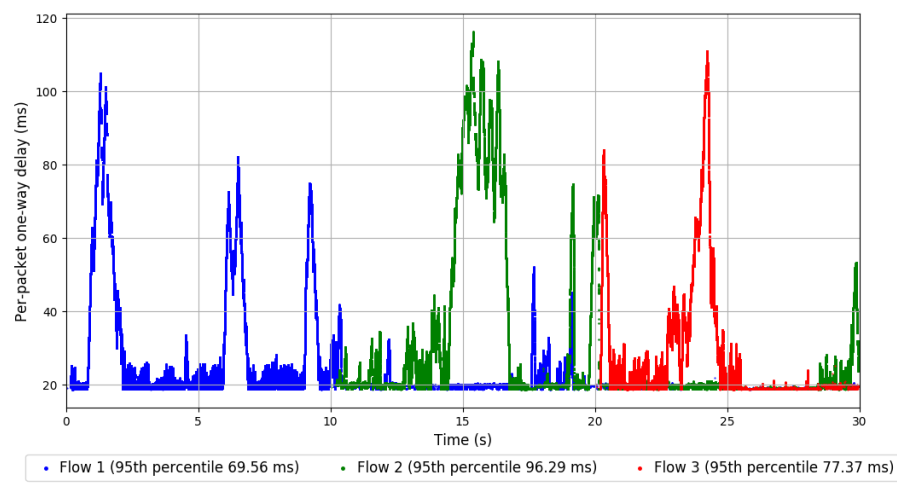
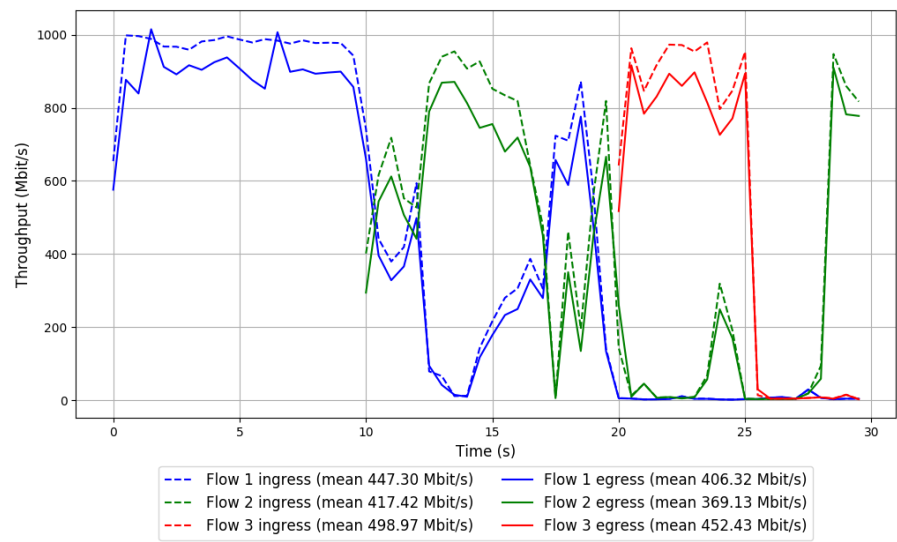
-- Flow 3:

Average throughput: 452.43 Mbit/s

95th percentile per-packet one-way delay: 77.373 ms

Loss rate: 9.33%

Run 10: Report of FillP — Data Link

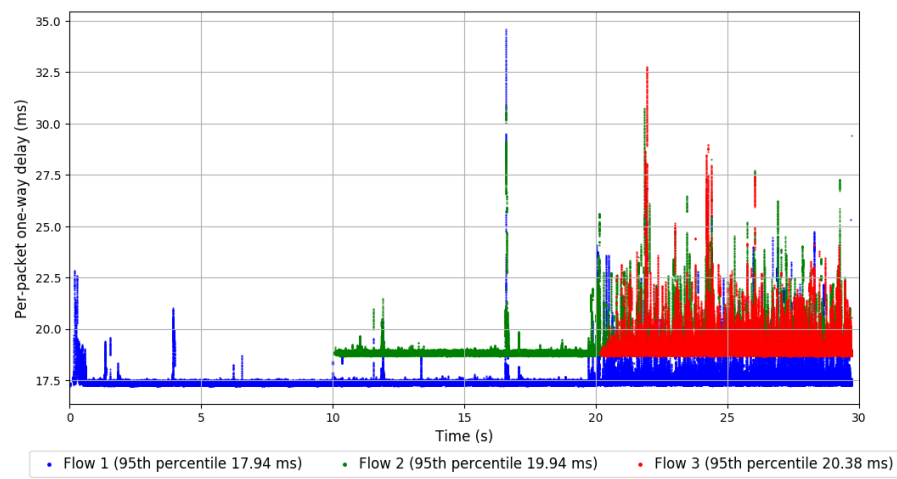
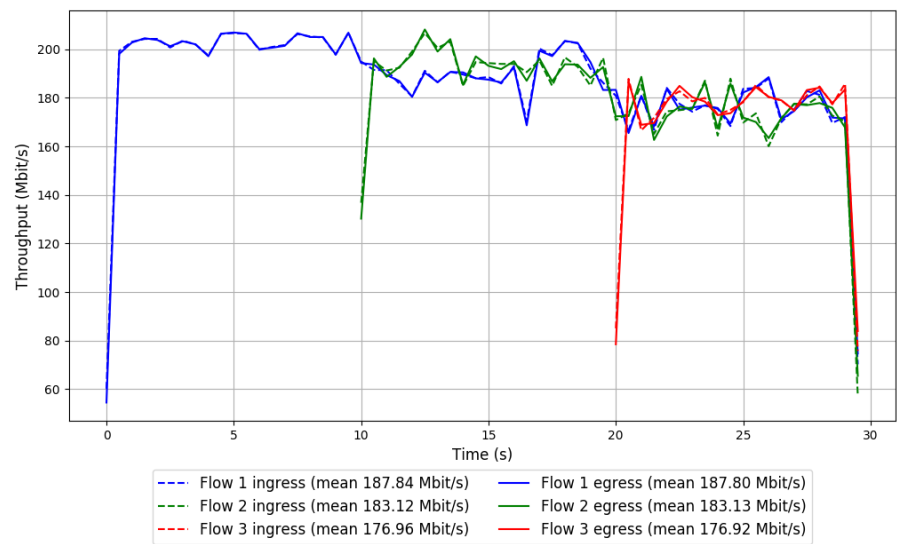


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-13 18:57:47
End at: 2018-03-13 18:58:17
Local clock offset: 1.158 ms
Remote clock offset: -5.206 ms

Below is generated by plot.py at 2018-03-14 04:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.87 Mbit/s
95th percentile per-packet one-way delay: 19.509 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 187.80 Mbit/s
95th percentile per-packet one-way delay: 17.944 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 183.13 Mbit/s
95th percentile per-packet one-way delay: 19.941 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 176.92 Mbit/s
95th percentile per-packet one-way delay: 20.383 ms
Loss rate: 0.00%

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

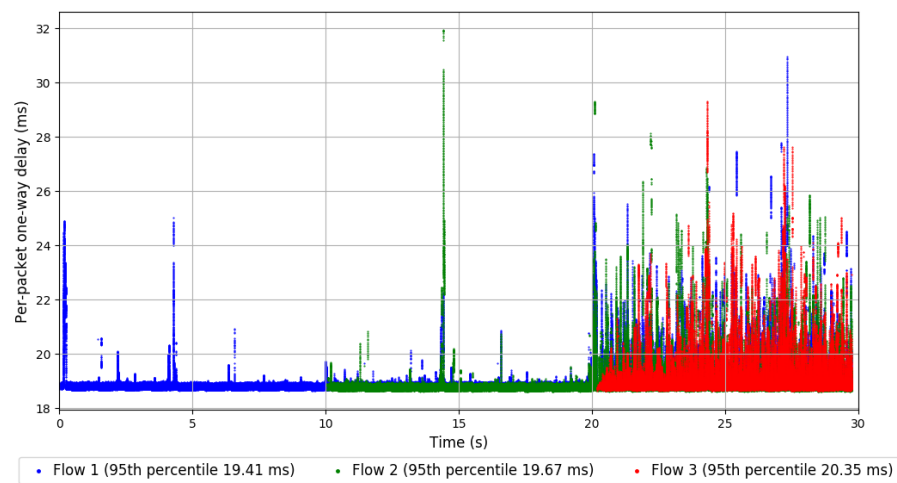
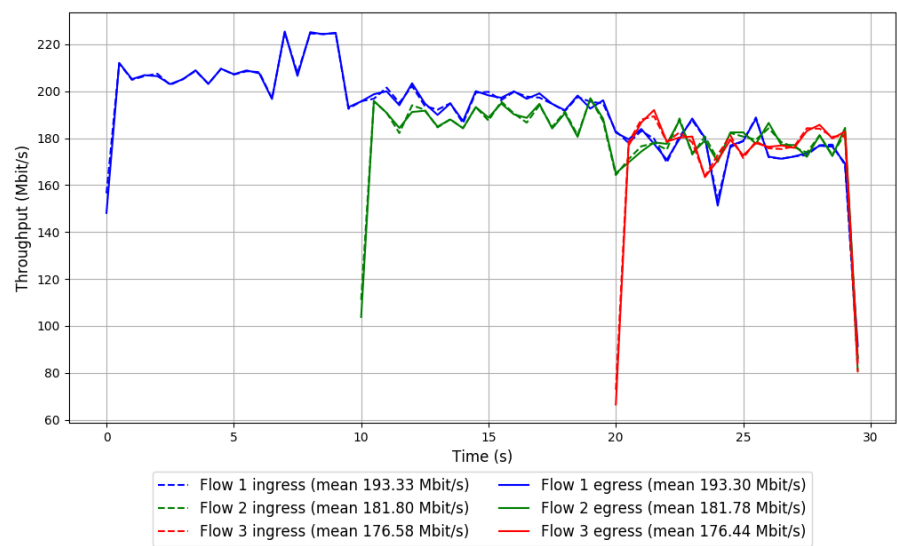


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-13 19:27:44
End at: 2018-03-13 19:28:14
Local clock offset: 1.04 ms
Remote clock offset: -5.068 ms

Below is generated by plot.py at 2018-03-14 04:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.42 Mbit/s
95th percentile per-packet one-way delay: 19.687 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 193.30 Mbit/s
95th percentile per-packet one-way delay: 19.409 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 181.78 Mbit/s
95th percentile per-packet one-way delay: 19.668 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 176.44 Mbit/s
95th percentile per-packet one-way delay: 20.348 ms
Loss rate: 0.08%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-03-13 19:57:15

End at: 2018-03-13 19:57:45

Local clock offset: 0.875 ms

Remote clock offset: -4.85 ms

Below is generated by plot.py at 2018-03-14 04:11:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.50 Mbit/s

95th percentile per-packet one-way delay: 19.799 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 187.56 Mbit/s

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

Loss rate: 0.03%

-- Flow 2:

Average throughput: 186.34 Mbit/s

95th percentile per-packet one-way delay: 19.916 ms

Loss rate: 0.00%

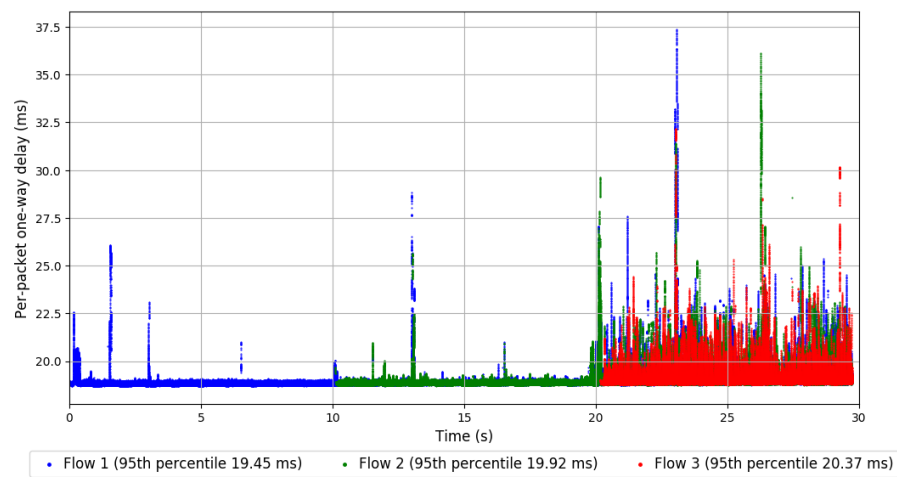
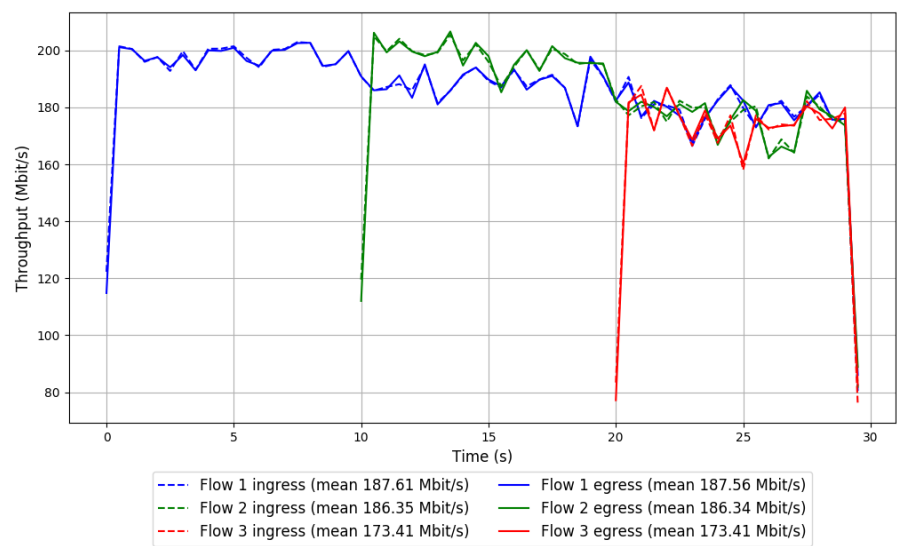
-- Flow 3:

Average throughput: 173.41 Mbit/s

95th percentile per-packet one-way delay: 20.366 ms

Loss rate: 0.01%

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

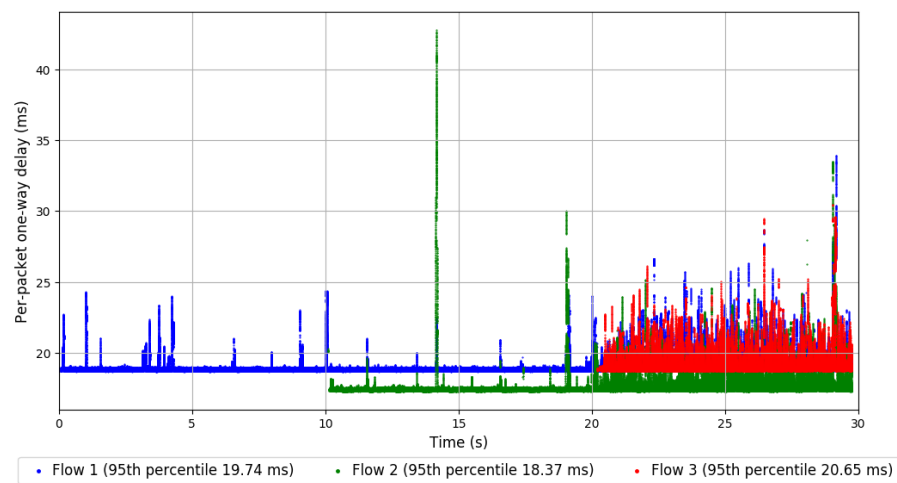
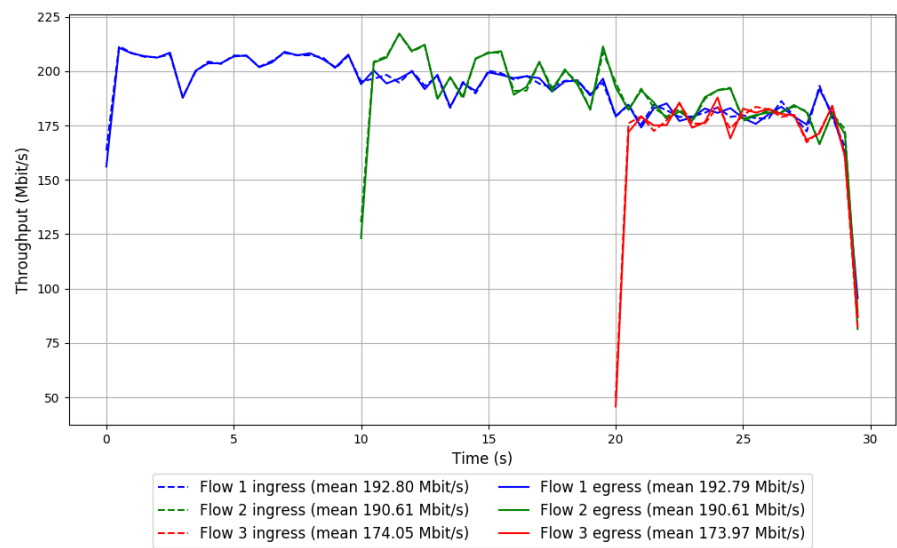


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-13 20:26:38
End at: 2018-03-13 20:27:08
Local clock offset: 0.748 ms
Remote clock offset: -6.365 ms

Below is generated by plot.py at 2018-03-14 04:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.51 Mbit/s
95th percentile per-packet one-way delay: 19.735 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 192.79 Mbit/s
95th percentile per-packet one-way delay: 19.740 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 190.61 Mbit/s
95th percentile per-packet one-way delay: 18.367 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 173.97 Mbit/s
95th percentile per-packet one-way delay: 20.651 ms
Loss rate: 0.04%

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

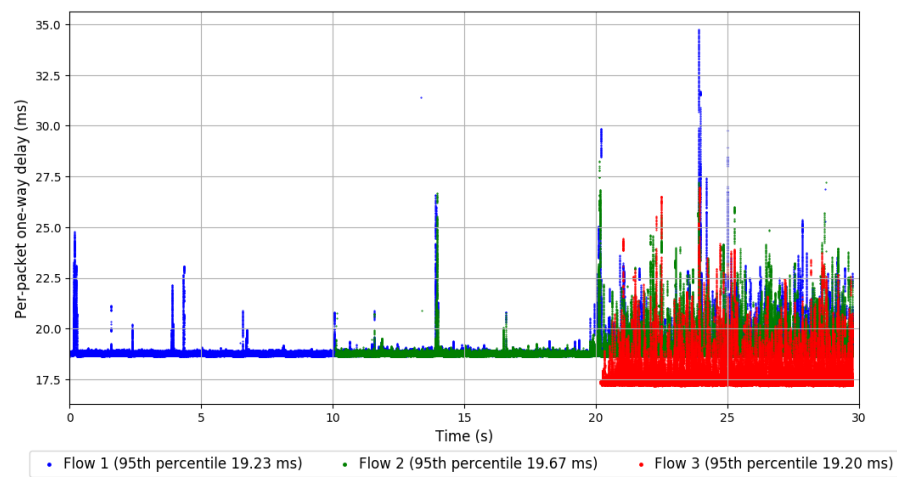
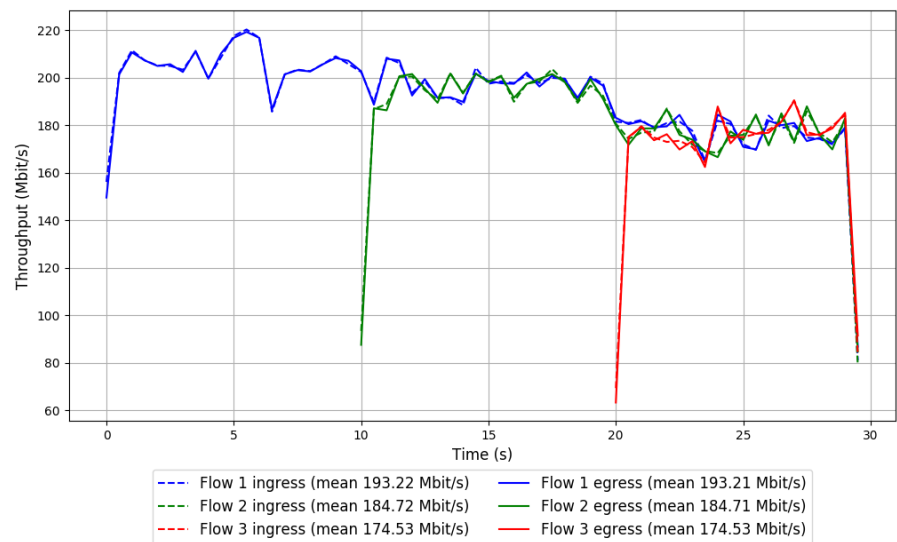


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-13 20:56:03
End at: 2018-03-13 20:56:33
Local clock offset: 1.427 ms
Remote clock offset: -6.272 ms

Below is generated by plot.py at 2018-03-14 04:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.54 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.21 Mbit/s
95th percentile per-packet one-way delay: 19.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.71 Mbit/s
95th percentile per-packet one-way delay: 19.673 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 174.53 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.00%

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

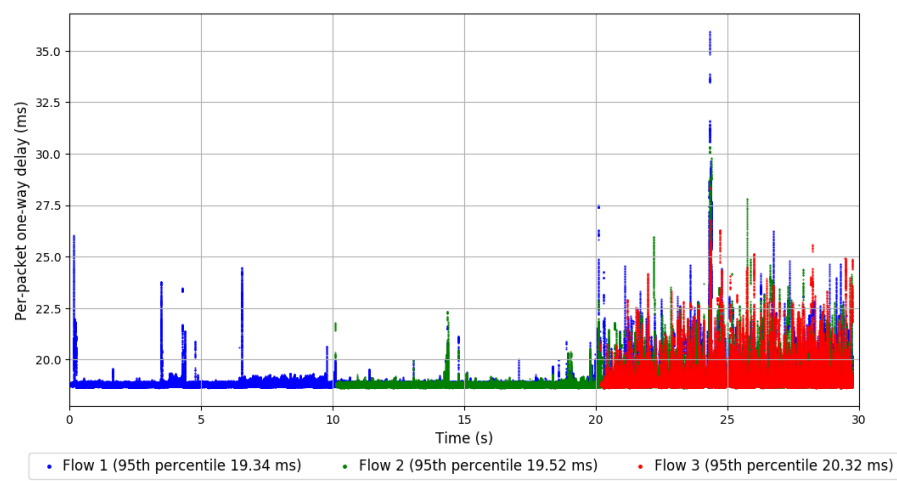
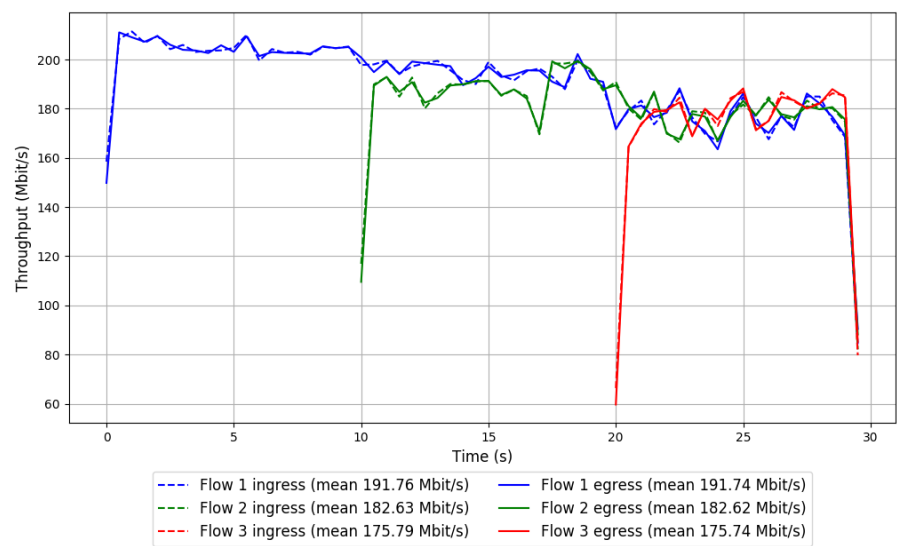


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-13 21:25:22
End at: 2018-03-13 21:25:52
Local clock offset: 1.113 ms
Remote clock offset: -6.162 ms

Below is generated by plot.py at 2018-03-14 04:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 369.16 Mbit/s
95th percentile per-packet one-way delay: 19.577 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 191.74 Mbit/s
95th percentile per-packet one-way delay: 19.337 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 182.62 Mbit/s
95th percentile per-packet one-way delay: 19.517 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 175.74 Mbit/s
95th percentile per-packet one-way delay: 20.324 ms
Loss rate: 0.05%

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

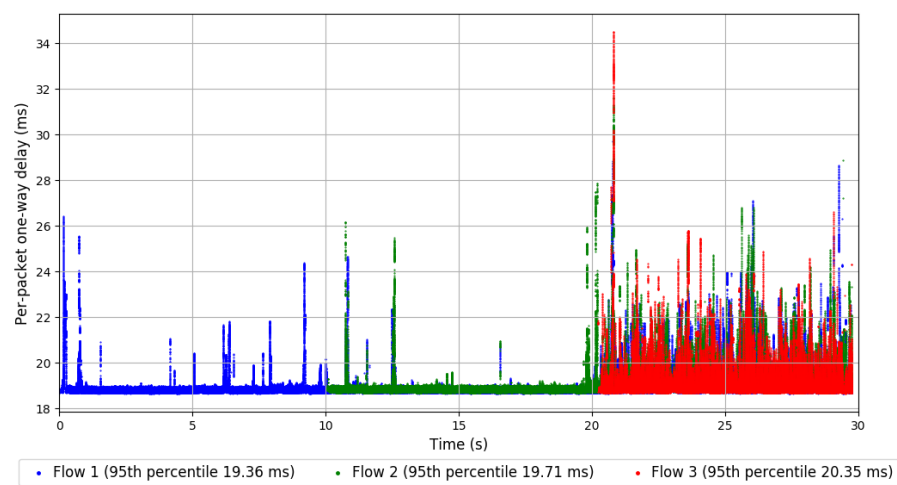
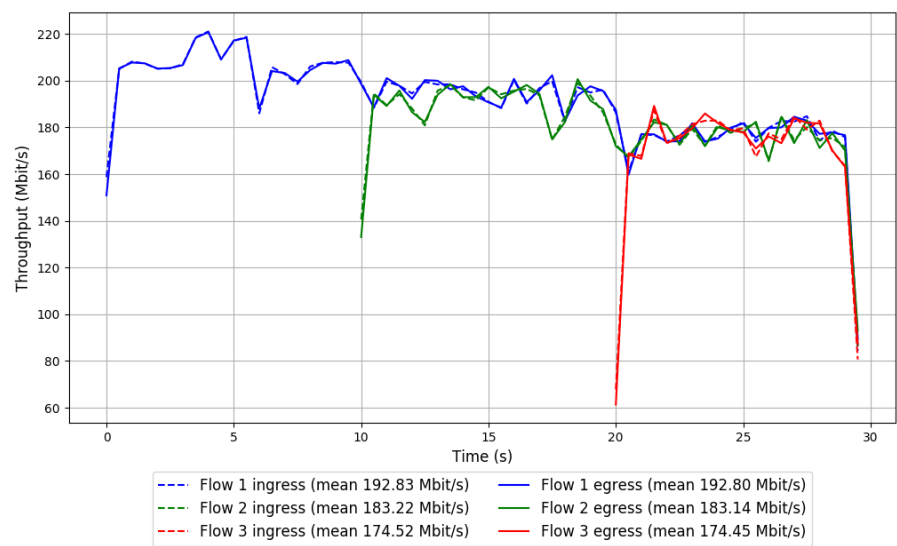


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-13 21:54:15
End at: 2018-03-13 21:54:45
Local clock offset: 0.602 ms
Remote clock offset: -6.144 ms

Below is generated by plot.py at 2018-03-14 04:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.00 Mbit/s
95th percentile per-packet one-way delay: 19.692 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 192.80 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 183.14 Mbit/s
95th percentile per-packet one-way delay: 19.708 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 174.45 Mbit/s
95th percentile per-packet one-way delay: 20.354 ms
Loss rate: 0.02%

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

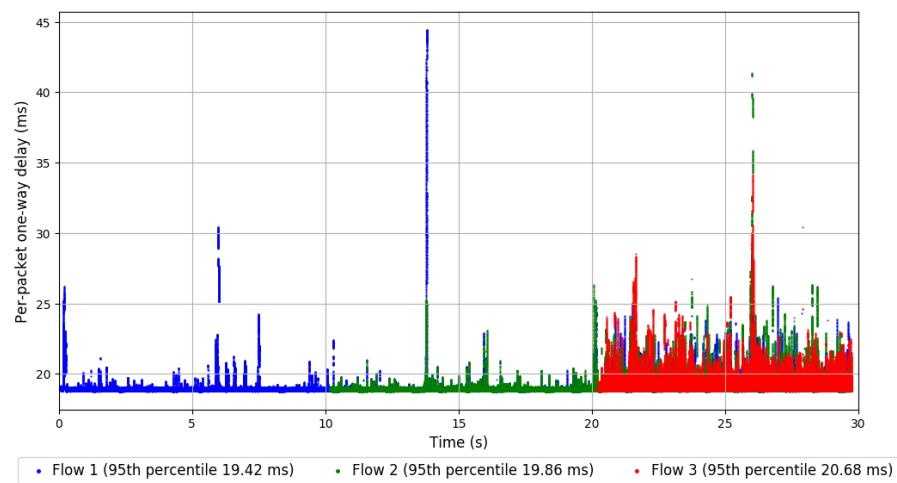
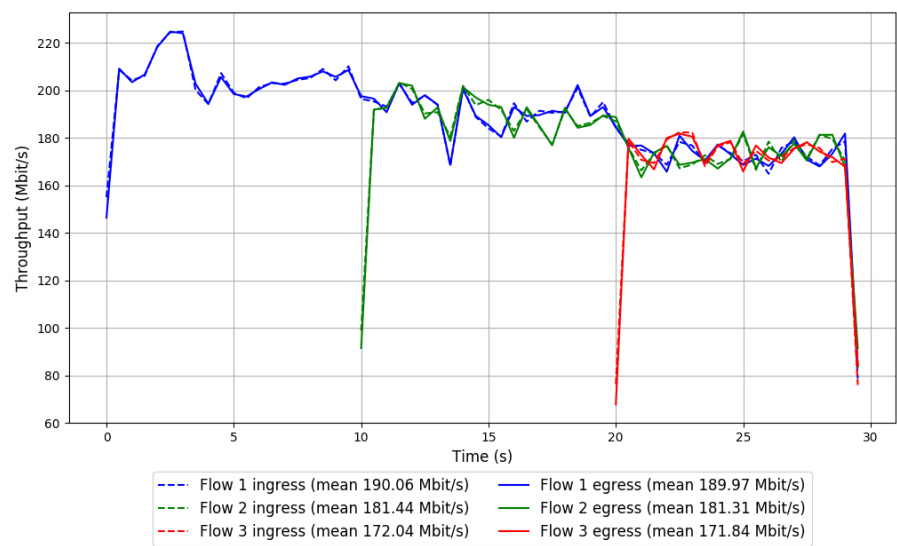


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-13 22:23:20
End at: 2018-03-13 22:23:50
Local clock offset: 0.574 ms
Remote clock offset: -6.095 ms

Below is generated by plot.py at 2018-03-14 04:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.73 Mbit/s
95th percentile per-packet one-way delay: 19.847 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 189.97 Mbit/s
95th percentile per-packet one-way delay: 19.419 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 181.31 Mbit/s
95th percentile per-packet one-way delay: 19.865 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 171.84 Mbit/s
95th percentile per-packet one-way delay: 20.684 ms
Loss rate: 0.11%

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

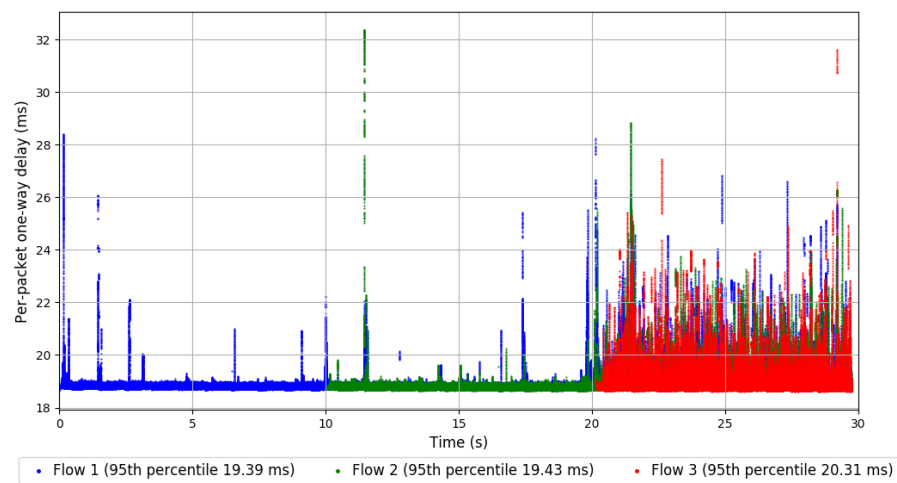
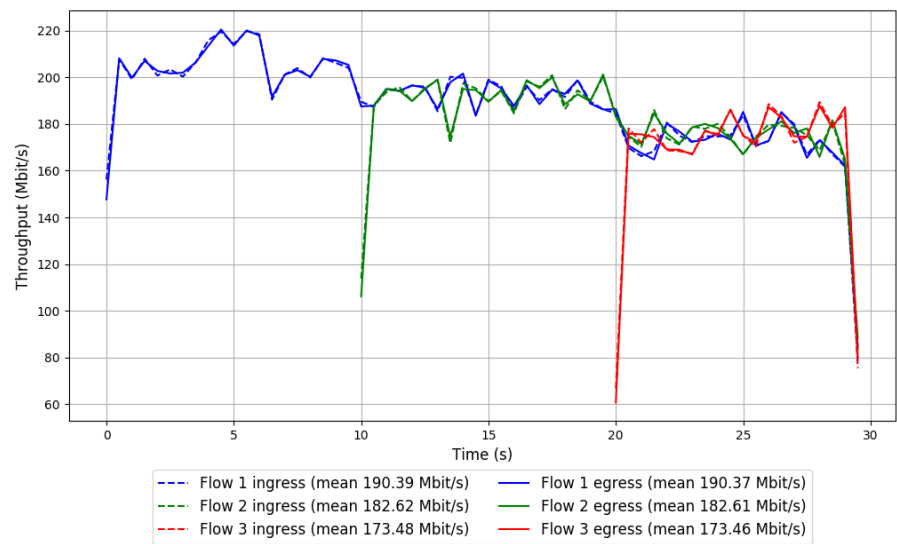


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-13 22:52:24
End at: 2018-03-13 22:52:54
Local clock offset: 0.684 ms
Remote clock offset: -4.987 ms

Below is generated by plot.py at 2018-03-14 04:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.36 Mbit/s
95th percentile per-packet one-way delay: 19.595 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 190.37 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 182.61 Mbit/s
95th percentile per-packet one-way delay: 19.434 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 173.46 Mbit/s
95th percentile per-packet one-way delay: 20.312 ms
Loss rate: 0.03%

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

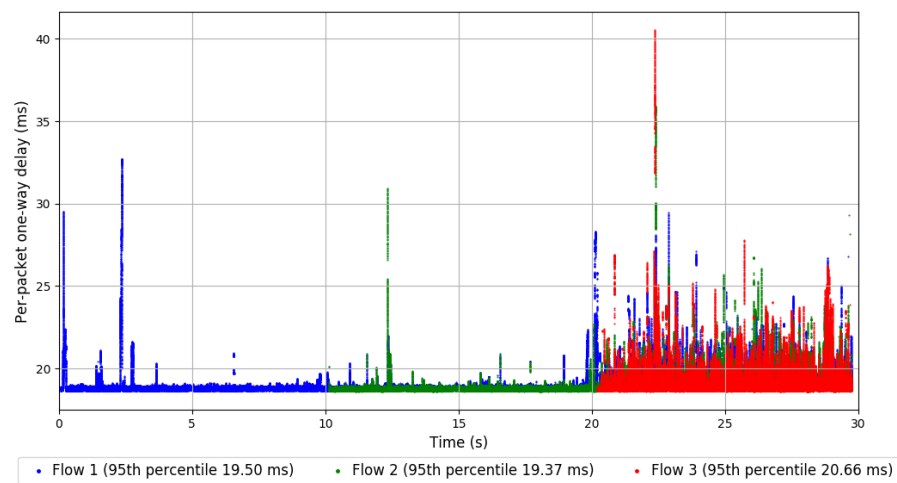
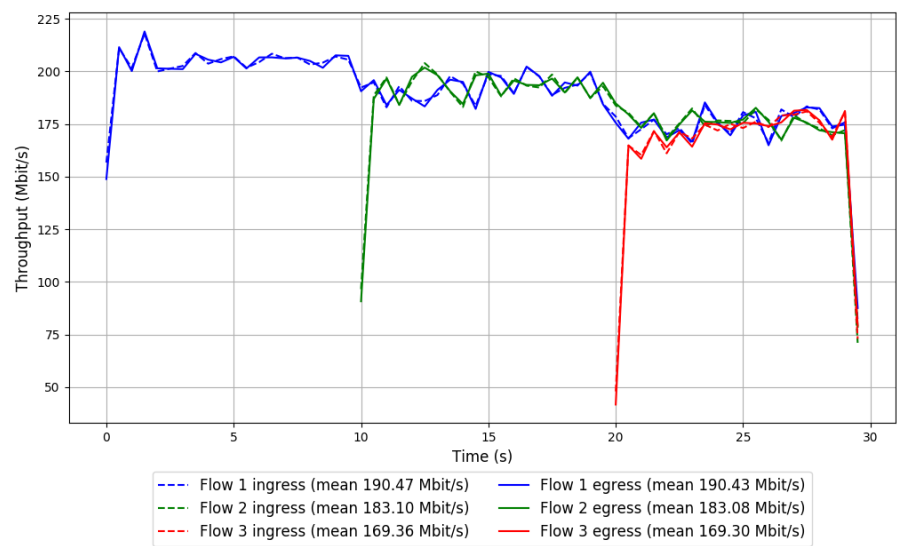


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-13 23:21:42
End at: 2018-03-13 23:22:12
Local clock offset: 0.48 ms
Remote clock offset: -3.519 ms

Below is generated by plot.py at 2018-03-14 04:11:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 365.52 Mbit/s
95th percentile per-packet one-way delay: 19.665 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 190.43 Mbit/s
95th percentile per-packet one-way delay: 19.499 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 183.08 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 169.30 Mbit/s
95th percentile per-packet one-way delay: 20.664 ms
Loss rate: 0.03%

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

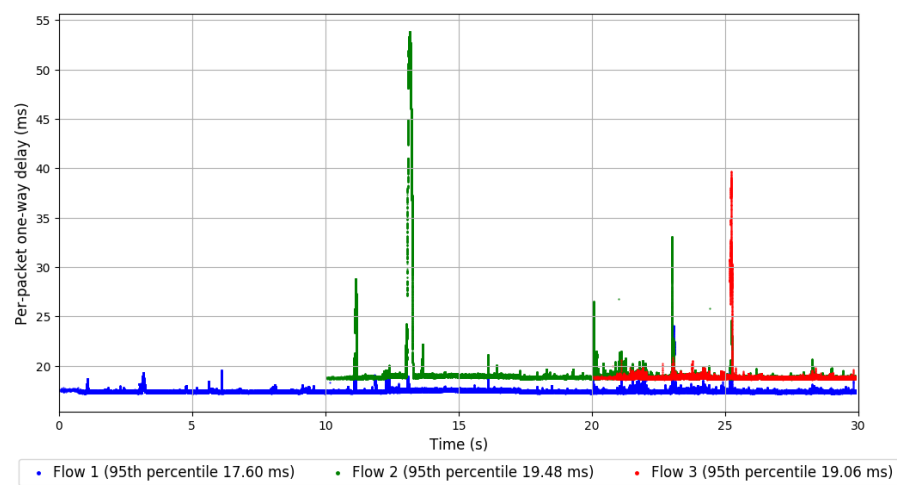
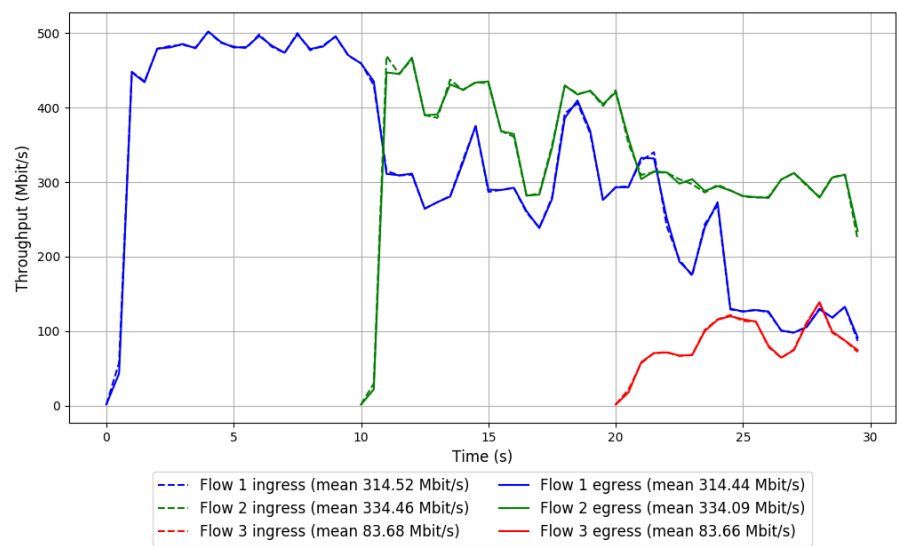


Run 1: Statistics of Vivace-latency

Start at: 2018-03-13 19:17:36
End at: 2018-03-13 19:18:06
Local clock offset: 1.058 ms
Remote clock offset: -5.358 ms

Below is generated by plot.py at 2018-03-14 04:14:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.12 Mbit/s
95th percentile per-packet one-way delay: 19.049 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 314.44 Mbit/s
95th percentile per-packet one-way delay: 17.602 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 334.09 Mbit/s
95th percentile per-packet one-way delay: 19.485 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.04%

Run 1: Report of Vivace-latency — Data Link

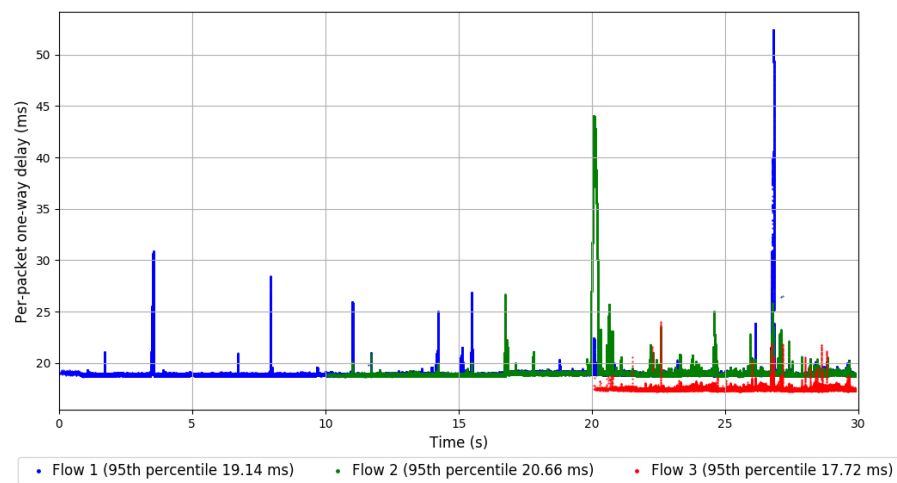
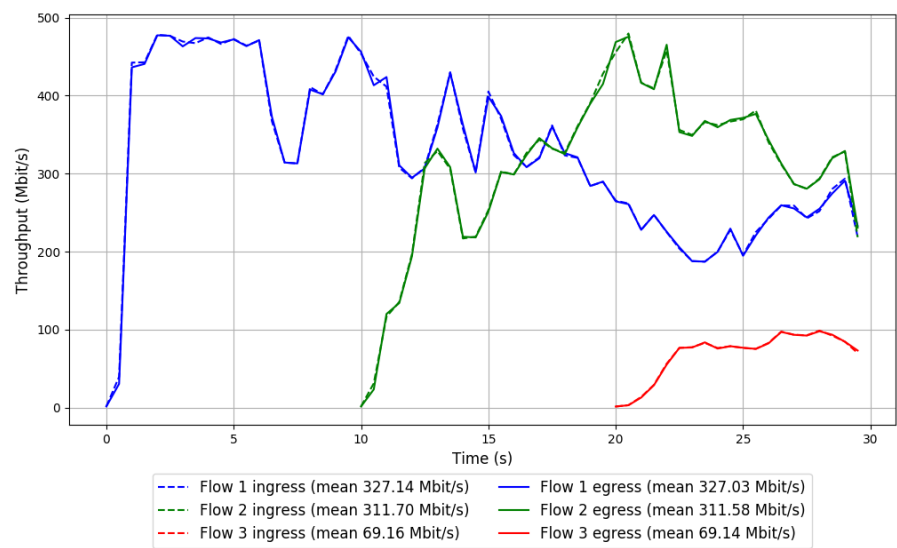


Run 2: Statistics of Vivace-latency

Start at: 2018-03-13 19:47:22
End at: 2018-03-13 19:47:52
Local clock offset: 0.792 ms
Remote clock offset: -4.799 ms

Below is generated by plot.py at 2018-03-14 04:16:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 556.95 Mbit/s
95th percentile per-packet one-way delay: 19.349 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 327.03 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 311.58 Mbit/s
95th percentile per-packet one-way delay: 20.656 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 69.14 Mbit/s
95th percentile per-packet one-way delay: 17.718 ms
Loss rate: 0.03%

Run 2: Report of Vivace-latency — Data Link

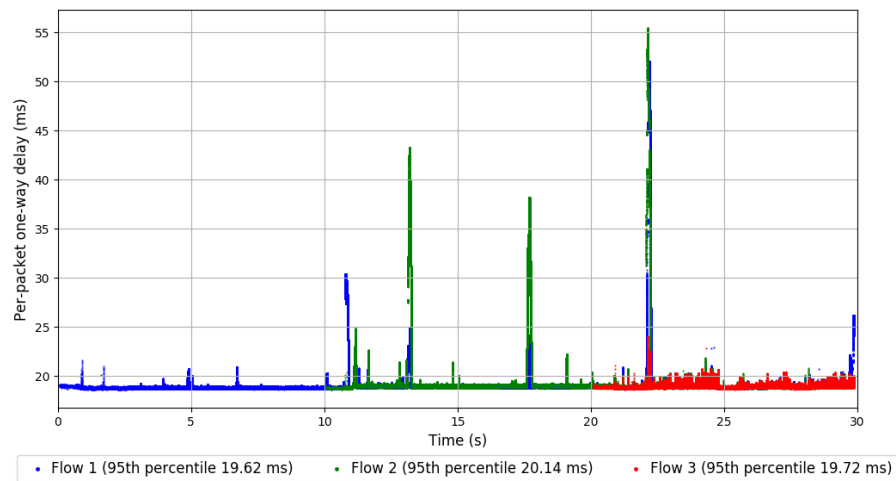
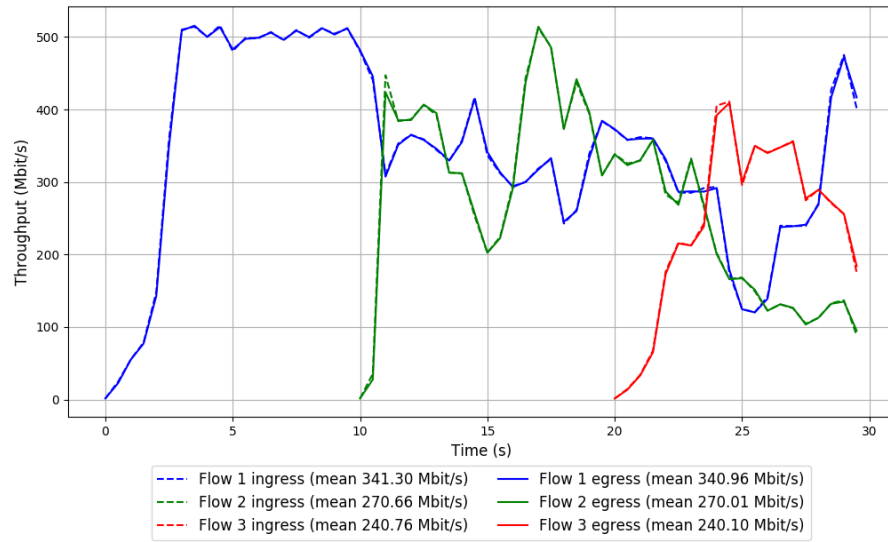


Run 3: Statistics of Vivace-latency

Start at: 2018-03-13 20:16:37
End at: 2018-03-13 20:17:07
Local clock offset: 0.772 ms
Remote clock offset: -6.134 ms

Below is generated by plot.py at 2018-03-14 04:17:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 599.64 Mbit/s
95th percentile per-packet one-way delay: 19.765 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 340.96 Mbit/s
95th percentile per-packet one-way delay: 19.625 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 270.01 Mbit/s
95th percentile per-packet one-way delay: 20.137 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 240.10 Mbit/s
95th percentile per-packet one-way delay: 19.716 ms
Loss rate: 0.27%

Run 3: Report of Vivace-latency — Data Link

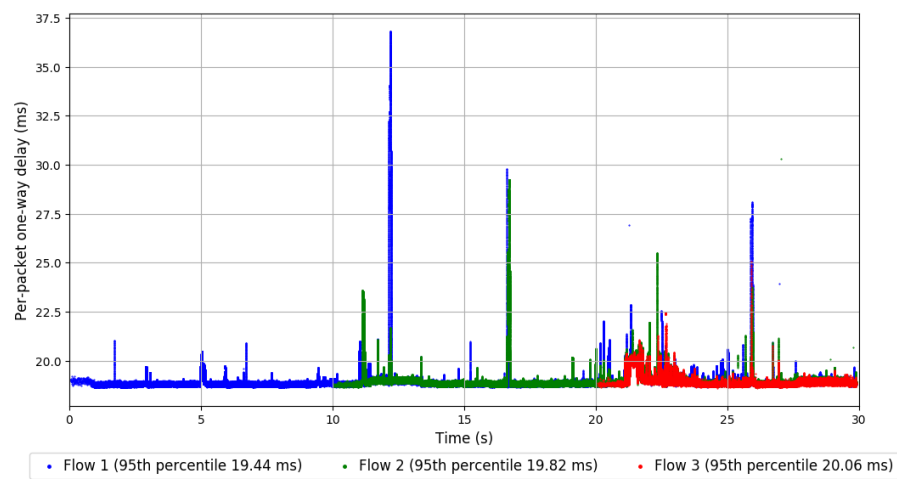
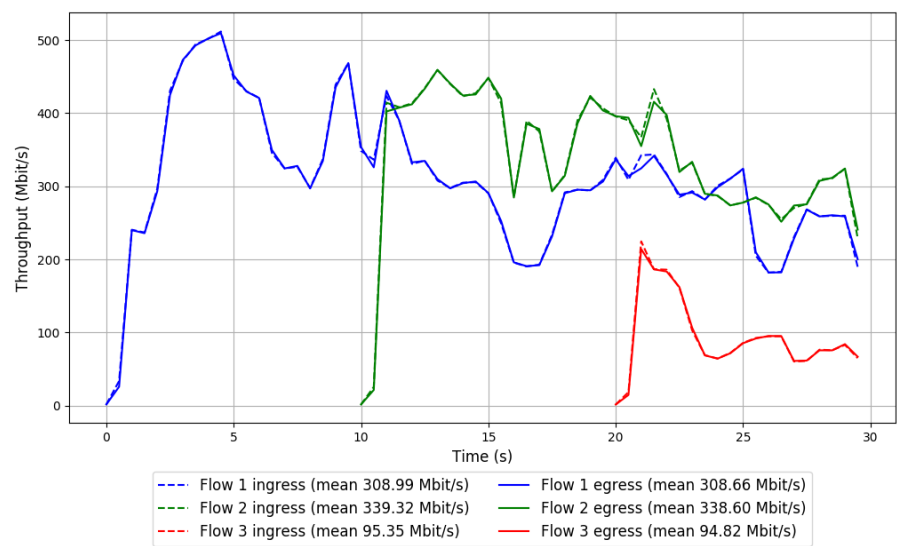


Run 4: Statistics of Vivace-latency

Start at: 2018-03-13 20:46:01
End at: 2018-03-13 20:46:31
Local clock offset: 1.287 ms
Remote clock offset: -6.231 ms

Below is generated by plot.py at 2018-03-14 04:17:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 564.99 Mbit/s
95th percentile per-packet one-way delay: 19.670 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 308.66 Mbit/s
95th percentile per-packet one-way delay: 19.436 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 338.60 Mbit/s
95th percentile per-packet one-way delay: 19.823 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 20.061 ms
Loss rate: 0.56%

Run 4: Report of Vivace-latency — Data Link

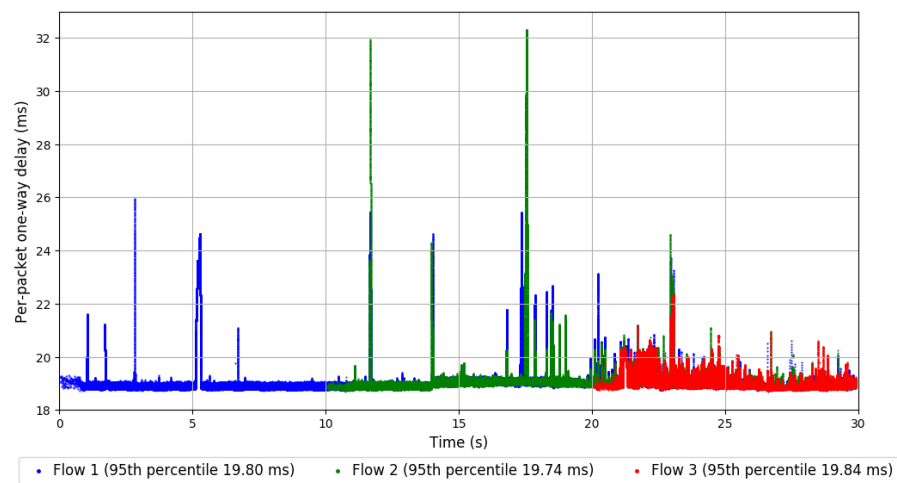
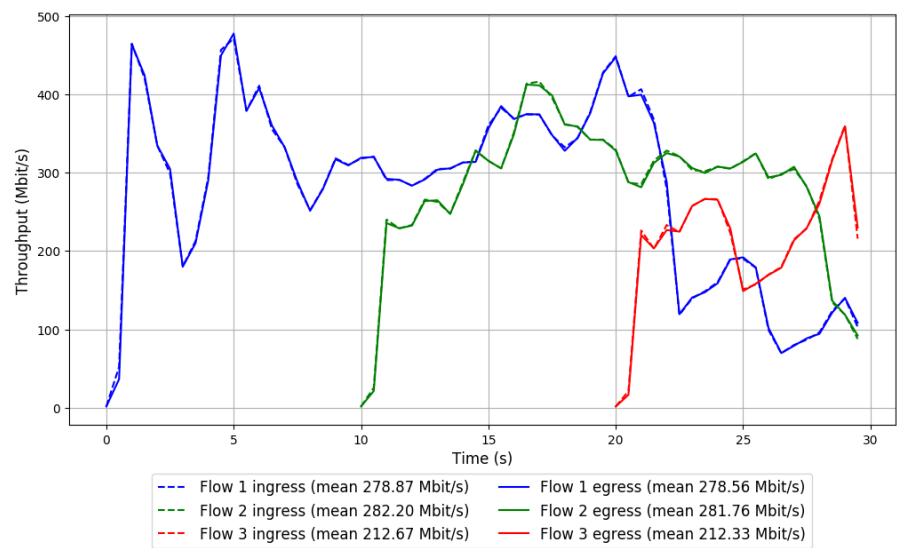


Run 5: Statistics of Vivace-latency

Start at: 2018-03-13 21:15:24
End at: 2018-03-13 21:15:54
Local clock offset: 0.968 ms
Remote clock offset: -6.145 ms

Below is generated by plot.py at 2018-03-14 04:18:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 535.80 Mbit/s
95th percentile per-packet one-way delay: 19.789 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 278.56 Mbit/s
95th percentile per-packet one-way delay: 19.800 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 281.76 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 212.33 Mbit/s
95th percentile per-packet one-way delay: 19.839 ms
Loss rate: 0.16%

Run 5: Report of Vivace-latency — Data Link

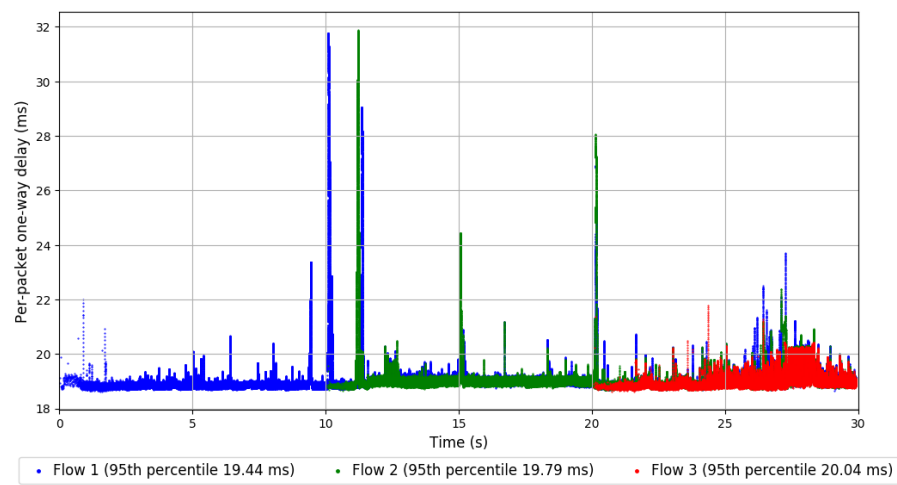
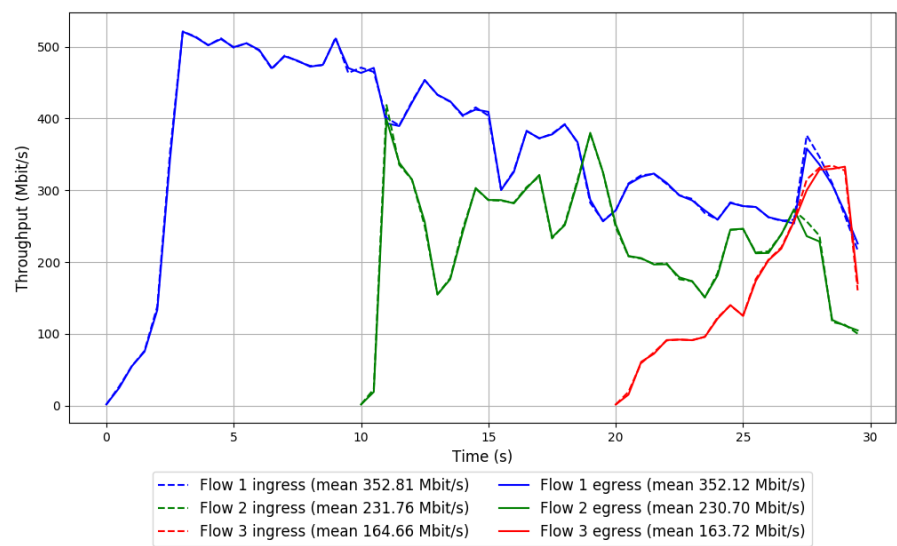


Run 6: Statistics of Vivace-latency

Start at: 2018-03-13 21:44:26
End at: 2018-03-13 21:44:56
Local clock offset: 0.618 ms
Remote clock offset: -6.212 ms

Below is generated by plot.py at 2018-03-14 04:19:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 559.30 Mbit/s
95th percentile per-packet one-way delay: 19.669 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 352.12 Mbit/s
95th percentile per-packet one-way delay: 19.444 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 230.70 Mbit/s
95th percentile per-packet one-way delay: 19.785 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 163.72 Mbit/s
95th percentile per-packet one-way delay: 20.040 ms
Loss rate: 0.57%

Run 6: Report of Vivace-latency — Data Link

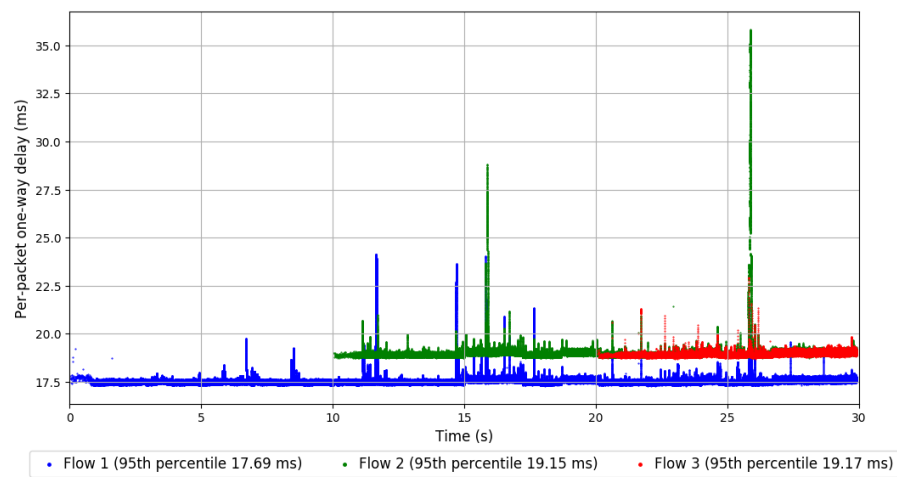
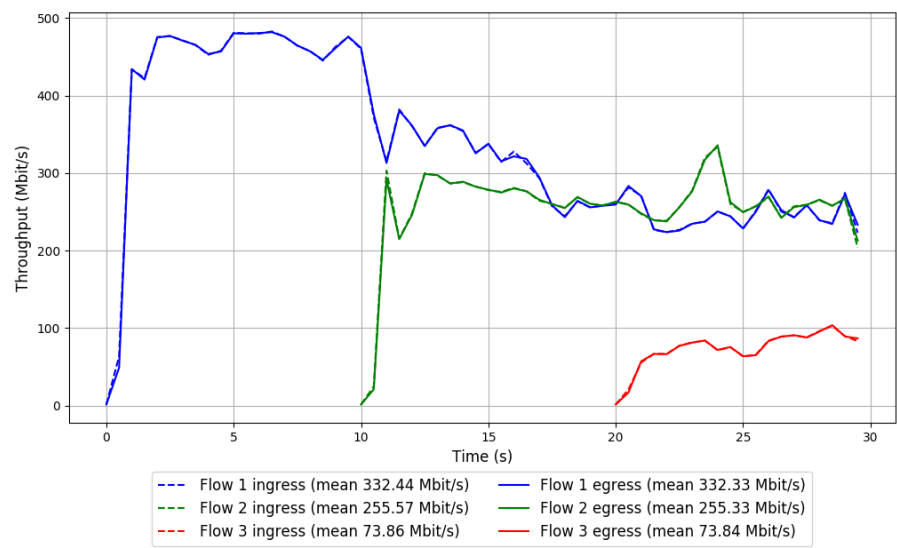


Run 7: Statistics of Vivace-latency

Start at: 2018-03-13 22:13:30
End at: 2018-03-13 22:14:00
Local clock offset: 0.555 ms
Remote clock offset: -6.196 ms

Below is generated by plot.py at 2018-03-14 04:19:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 526.39 Mbit/s
95th percentile per-packet one-way delay: 19.086 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 332.33 Mbit/s
95th percentile per-packet one-way delay: 17.694 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 255.33 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 73.84 Mbit/s
95th percentile per-packet one-way delay: 19.170 ms
Loss rate: 0.02%

Run 7: Report of Vivace-latency — Data Link

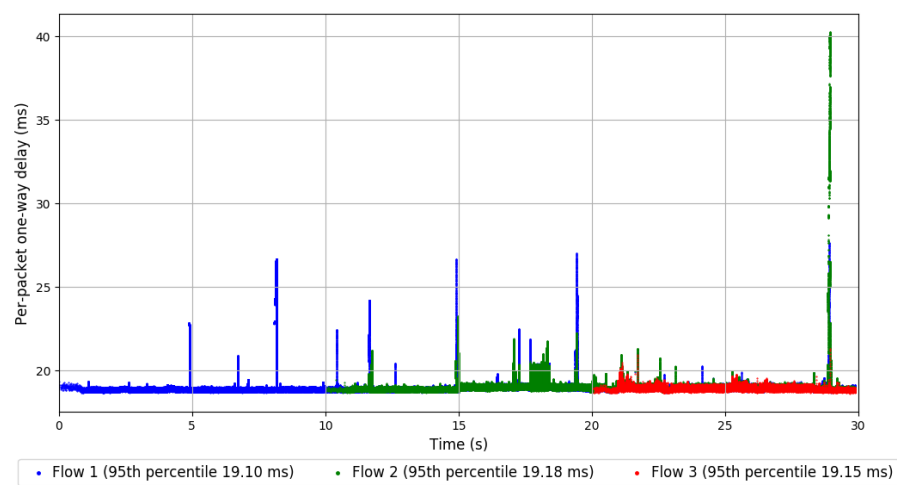
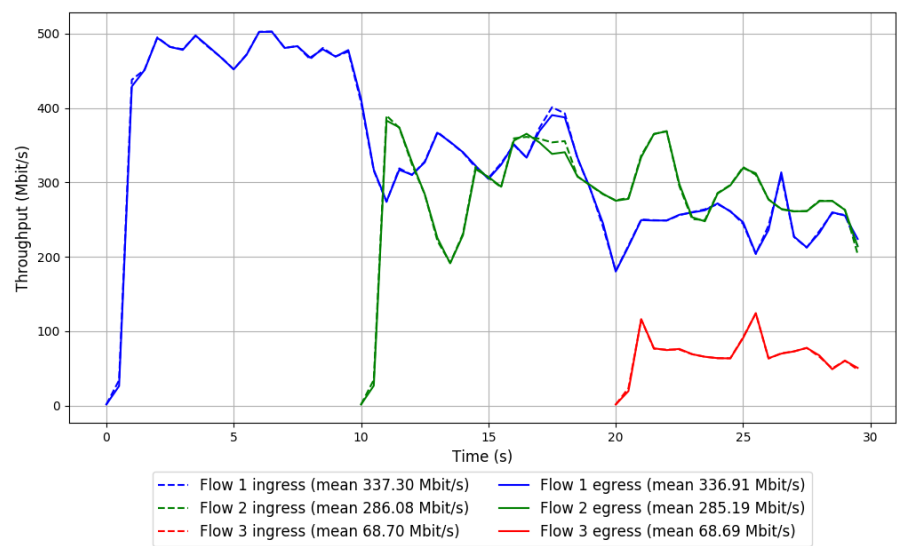


Run 8: Statistics of Vivace-latency

Start at: 2018-03-13 22:42:37
End at: 2018-03-13 22:43:07
Local clock offset: 0.653 ms
Remote clock offset: -6.083 ms

Below is generated by plot.py at 2018-03-14 04:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 549.11 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 336.91 Mbit/s
95th percentile per-packet one-way delay: 19.099 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 285.19 Mbit/s
95th percentile per-packet one-way delay: 19.175 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 68.69 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.03%

Run 8: Report of Vivace-latency — Data Link

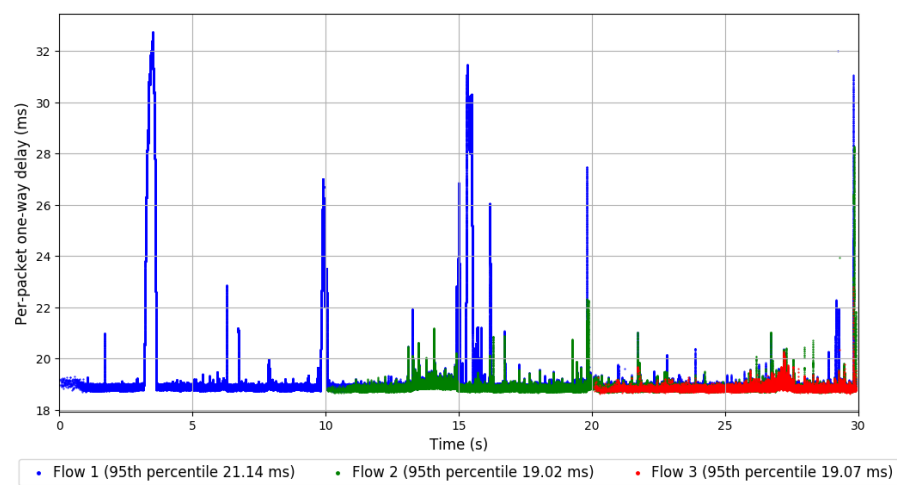
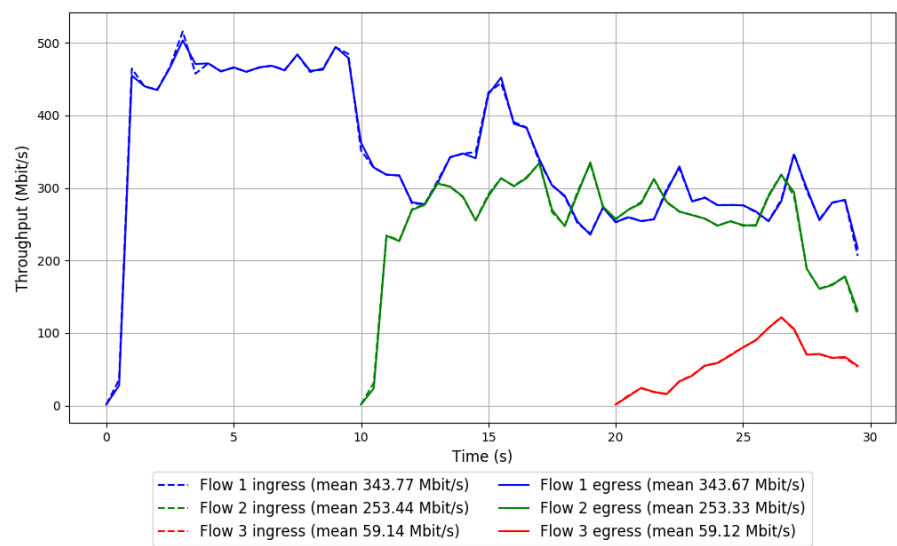


Run 9: Statistics of Vivace-latency

Start at: 2018-03-13 23:11:35
End at: 2018-03-13 23:12:05
Local clock offset: 0.267 ms
Remote clock offset: -3.784 ms

Below is generated by plot.py at 2018-03-14 04:22:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 531.55 Mbit/s
95th percentile per-packet one-way delay: 19.417 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 343.67 Mbit/s
95th percentile per-packet one-way delay: 21.142 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 253.33 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 19.069 ms
Loss rate: 0.04%

Run 9: Report of Vivace-latency — Data Link

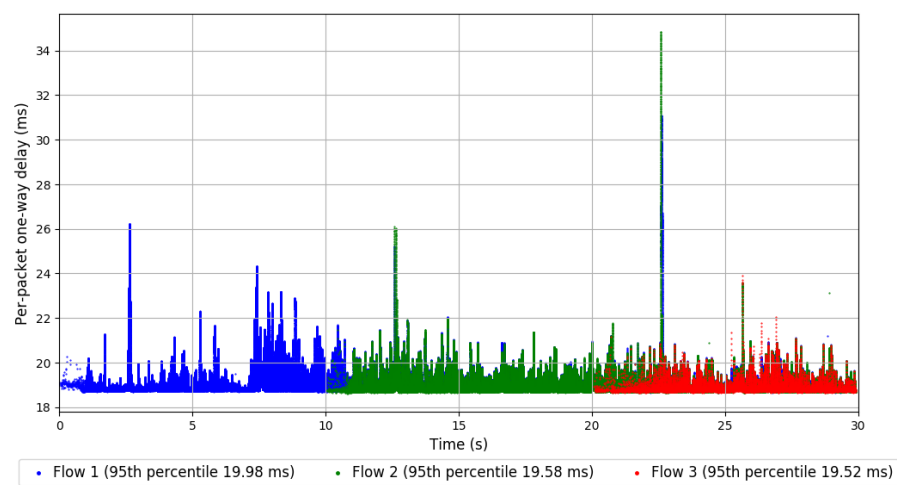
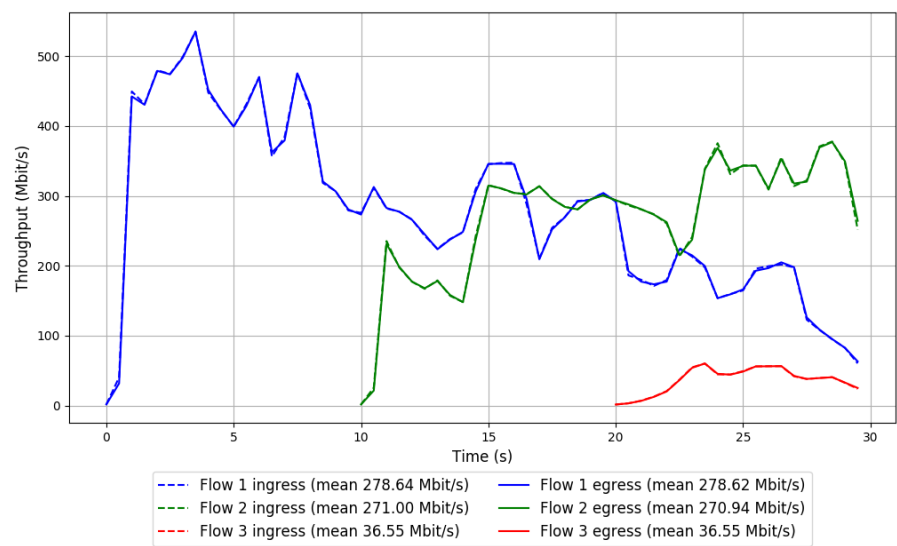


Run 10: Statistics of Vivace-latency

Start at: 2018-03-13 23:41:02
End at: 2018-03-13 23:41:32
Local clock offset: 0.463 ms
Remote clock offset: -2.995 ms

Below is generated by plot.py at 2018-03-14 04:23:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.78 Mbit/s
95th percentile per-packet one-way delay: 19.802 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 278.62 Mbit/s
95th percentile per-packet one-way delay: 19.978 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 270.94 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 19.519 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

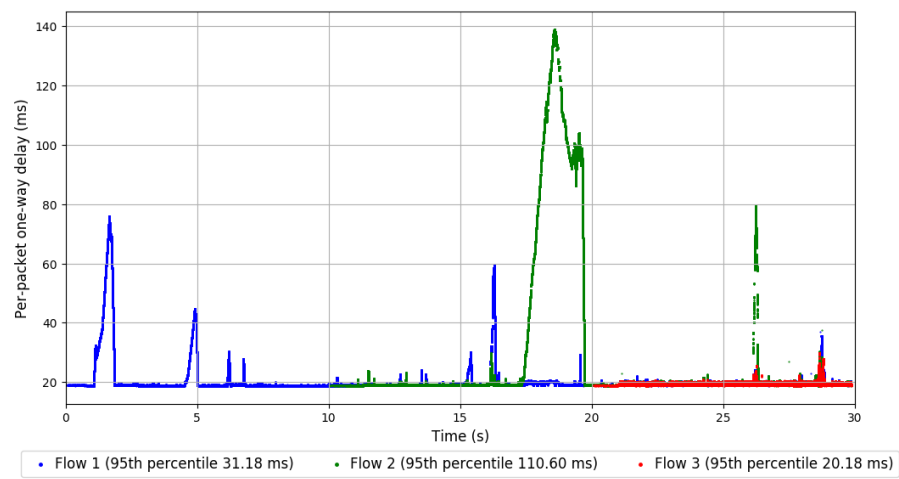
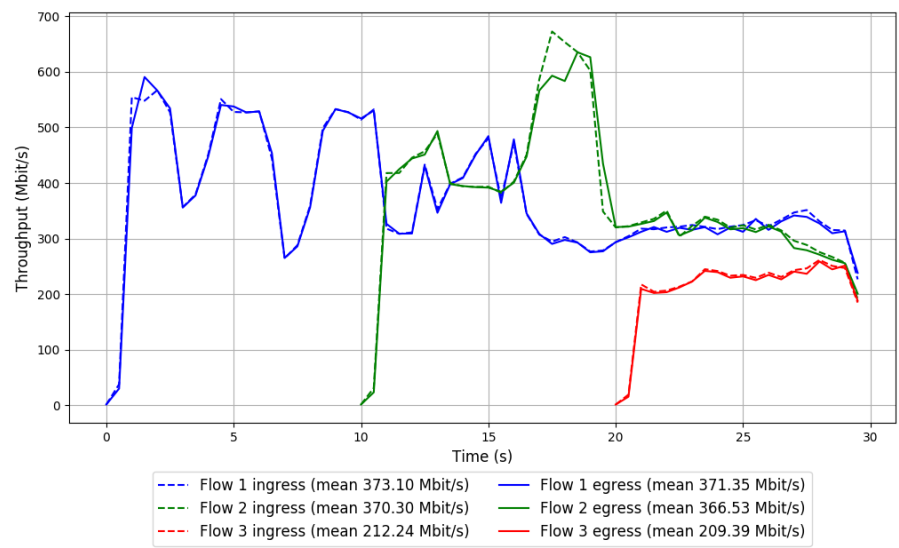


Run 1: Statistics of Vivace-loss

Start at: 2018-03-13 19:00:43
End at: 2018-03-13 19:01:13
Local clock offset: 1.203 ms
Remote clock offset: -5.163 ms

Below is generated by plot.py at 2018-03-14 04:27:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 684.00 Mbit/s
95th percentile per-packet one-way delay: 80.546 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 371.35 Mbit/s
95th percentile per-packet one-way delay: 31.184 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 366.53 Mbit/s
95th percentile per-packet one-way delay: 110.603 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 209.39 Mbit/s
95th percentile per-packet one-way delay: 20.183 ms
Loss rate: 1.34%

Run 1: Report of Vivace-loss — Data Link

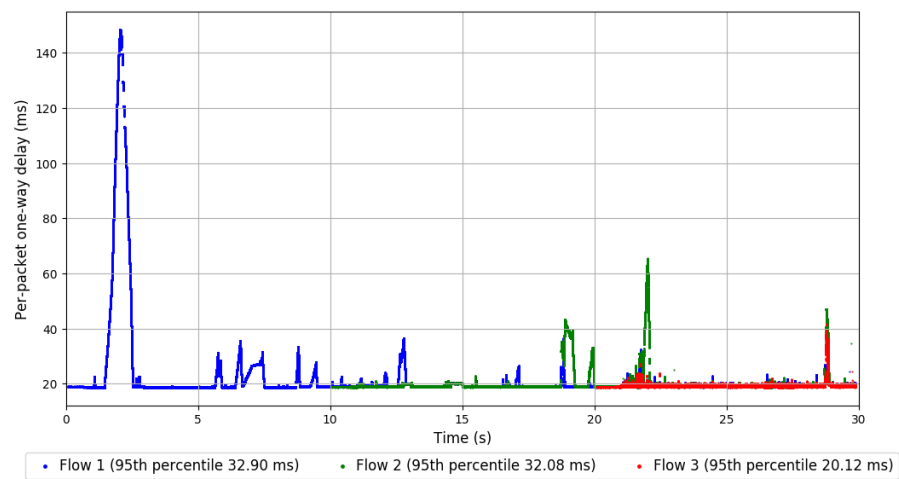
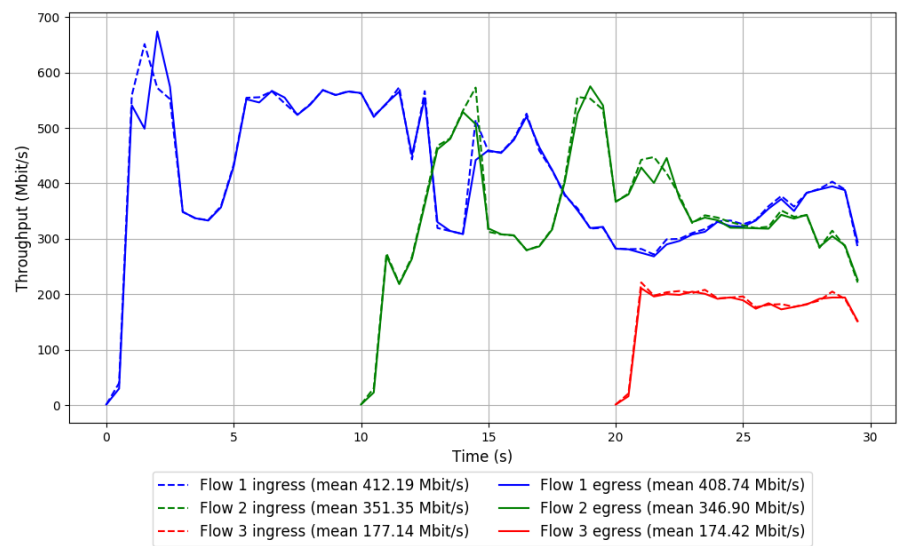


Run 2: Statistics of Vivace-loss

Start at: 2018-03-13 19:30:40
End at: 2018-03-13 19:31:10
Local clock offset: 1.04 ms
Remote clock offset: -5.004 ms

Below is generated by plot.py at 2018-03-14 04:28:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 696.77 Mbit/s
95th percentile per-packet one-way delay: 31.284 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 408.74 Mbit/s
95th percentile per-packet one-way delay: 32.896 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 346.90 Mbit/s
95th percentile per-packet one-way delay: 32.079 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 174.42 Mbit/s
95th percentile per-packet one-way delay: 20.120 ms
Loss rate: 1.53%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-03-13 20:00:11

End at: 2018-03-13 20:00:41

Local clock offset: 0.871 ms

Remote clock offset: -5.23 ms

Below is generated by plot.py at 2018-03-14 04:28:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 670.15 Mbit/s

95th percentile per-packet one-way delay: 150.447 ms

Loss rate: 1.70%

-- Flow 1:

Average throughput: 437.22 Mbit/s

95th percentile per-packet one-way delay: 154.200 ms

Loss rate: 2.15%

-- Flow 2:

Average throughput: 295.22 Mbit/s

95th percentile per-packet one-way delay: 122.891 ms

Loss rate: 0.78%

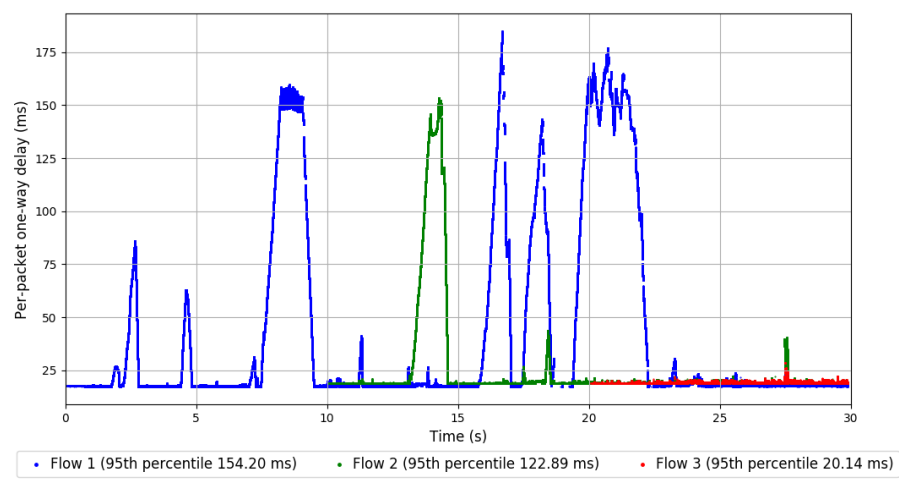
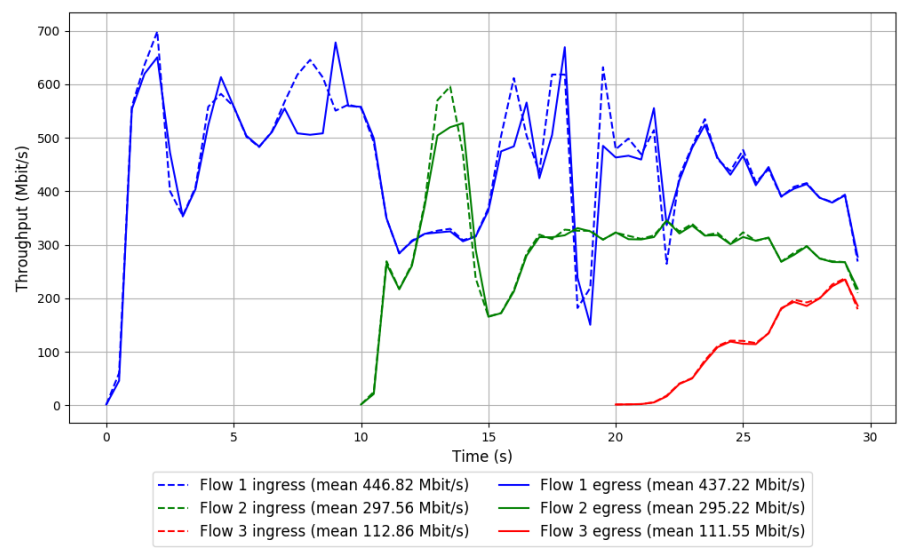
-- Flow 3:

Average throughput: 111.55 Mbit/s

95th percentile per-packet one-way delay: 20.138 ms

Loss rate: 1.16%

Run 3: Report of Vivace-loss — Data Link

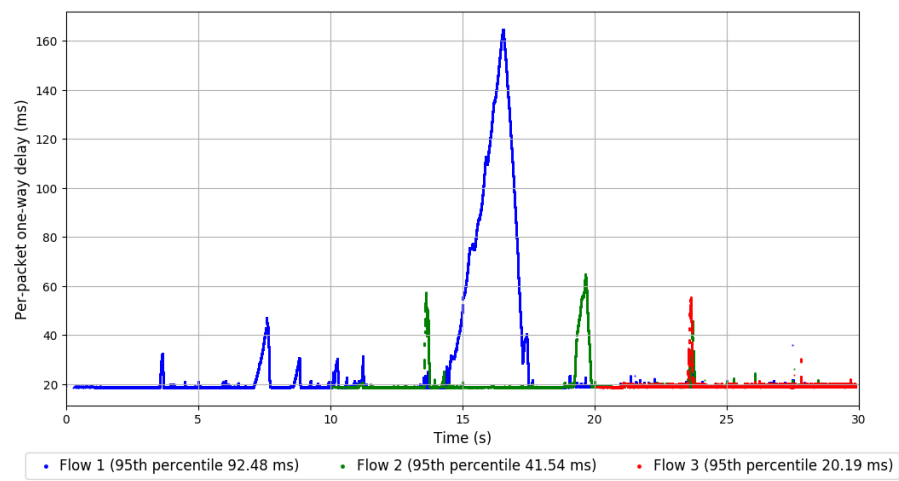
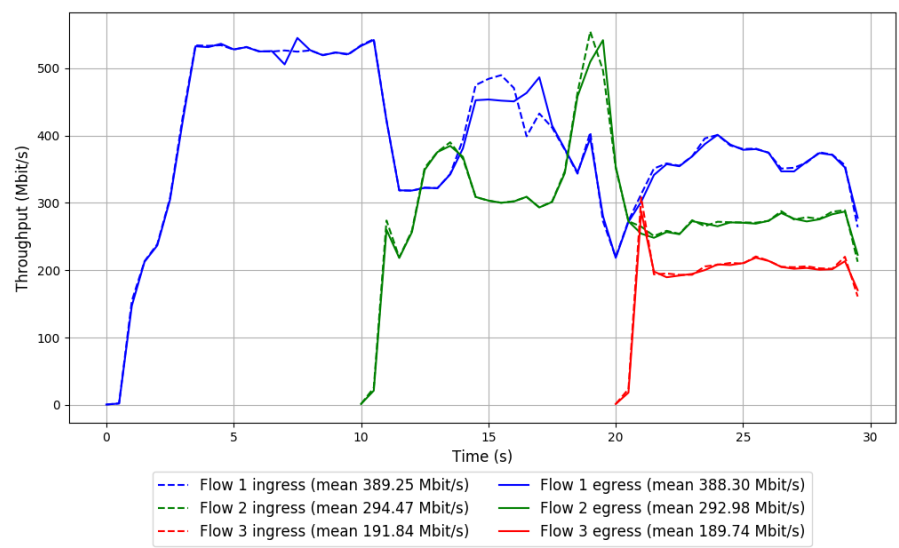


Run 4: Statistics of Vivace-loss

Start at: 2018-03-13 20:29:34
End at: 2018-03-13 20:30:04
Local clock offset: 0.811 ms
Remote clock offset: -6.391 ms

Below is generated by plot.py at 2018-03-14 04:28:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 645.64 Mbit/s
95th percentile per-packet one-way delay: 59.746 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 388.30 Mbit/s
95th percentile per-packet one-way delay: 92.485 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 292.98 Mbit/s
95th percentile per-packet one-way delay: 41.544 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 189.74 Mbit/s
95th percentile per-packet one-way delay: 20.190 ms
Loss rate: 1.10%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-03-13 20:58:58

End at: 2018-03-13 20:59:28

Local clock offset: 1.276 ms

Remote clock offset: -6.38 ms

Below is generated by plot.py at 2018-03-14 04:29:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 663.69 Mbit/s

95th percentile per-packet one-way delay: 34.899 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 394.71 Mbit/s

95th percentile per-packet one-way delay: 97.353 ms

Loss rate: 1.27%

-- Flow 2:

Average throughput: 323.06 Mbit/s

95th percentile per-packet one-way delay: 18.590 ms

Loss rate: 0.74%

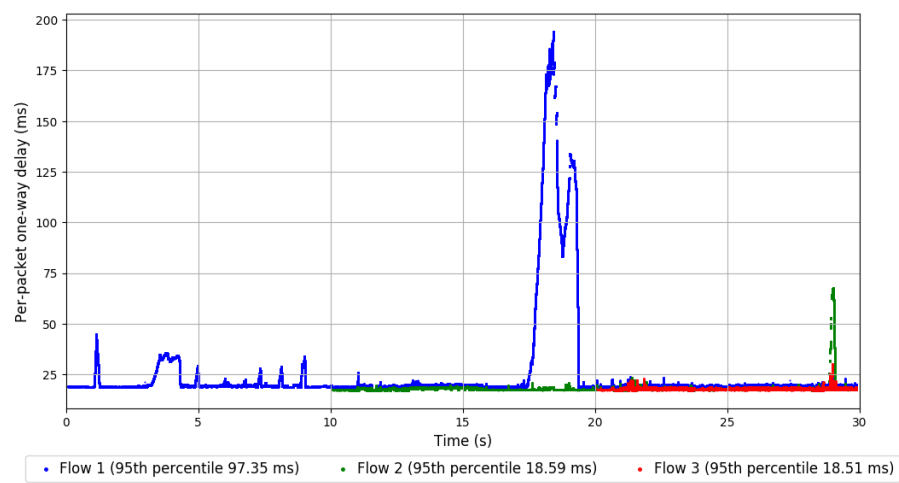
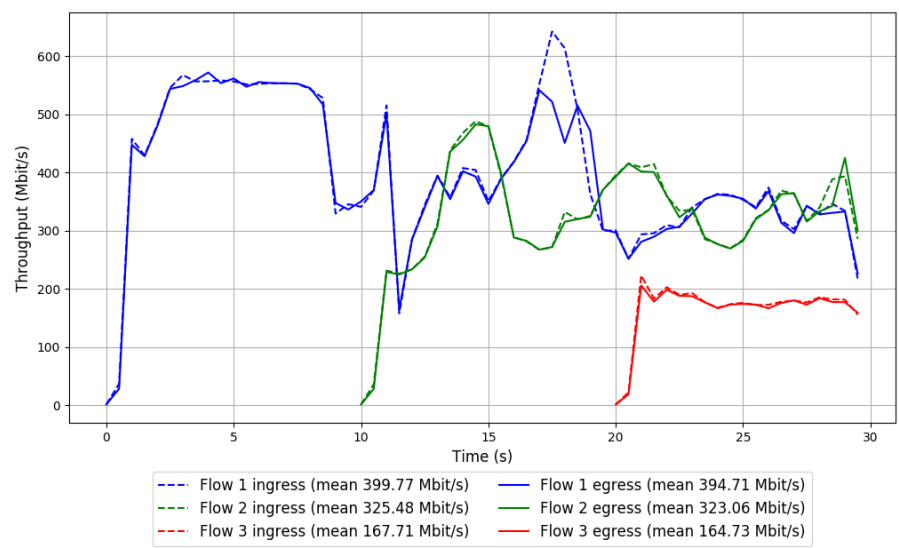
-- Flow 3:

Average throughput: 164.73 Mbit/s

95th percentile per-packet one-way delay: 18.508 ms

Loss rate: 1.78%

Run 5: Report of Vivace-loss — Data Link

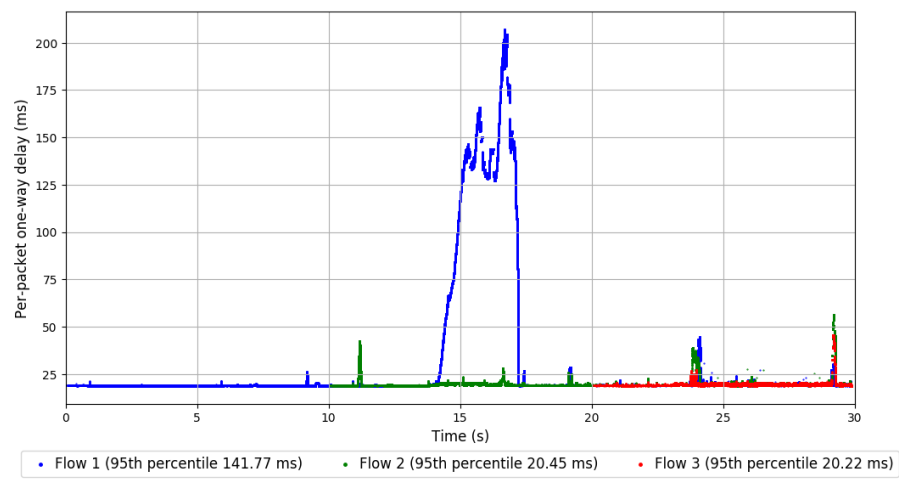
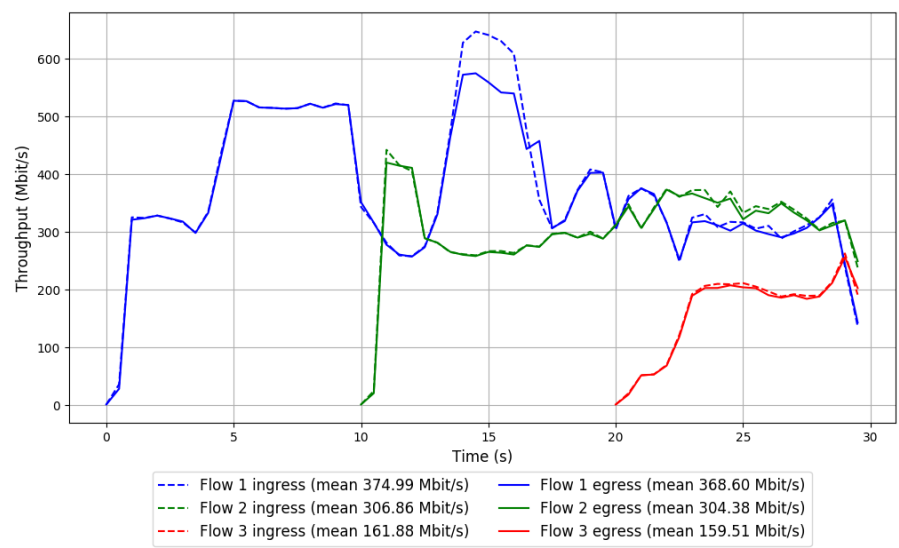


Run 6: Statistics of Vivace-loss

Start at: 2018-03-13 21:28:18
End at: 2018-03-13 21:28:48
Local clock offset: 1.064 ms
Remote clock offset: -6.115 ms

Below is generated by plot.py at 2018-03-14 04:29:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 623.46 Mbit/s
95th percentile per-packet one-way delay: 130.095 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 368.60 Mbit/s
95th percentile per-packet one-way delay: 141.772 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 304.38 Mbit/s
95th percentile per-packet one-way delay: 20.452 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 159.51 Mbit/s
95th percentile per-packet one-way delay: 20.218 ms
Loss rate: 1.47%

Run 6: Report of Vivace-loss — Data Link

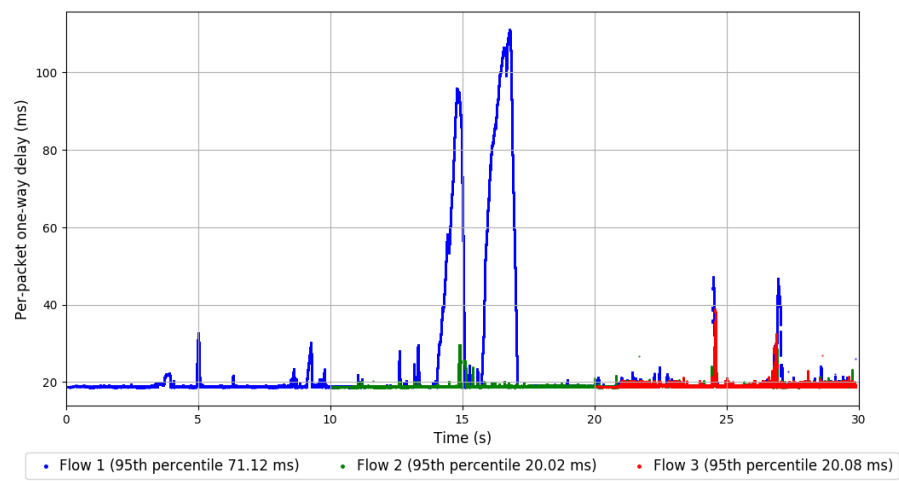
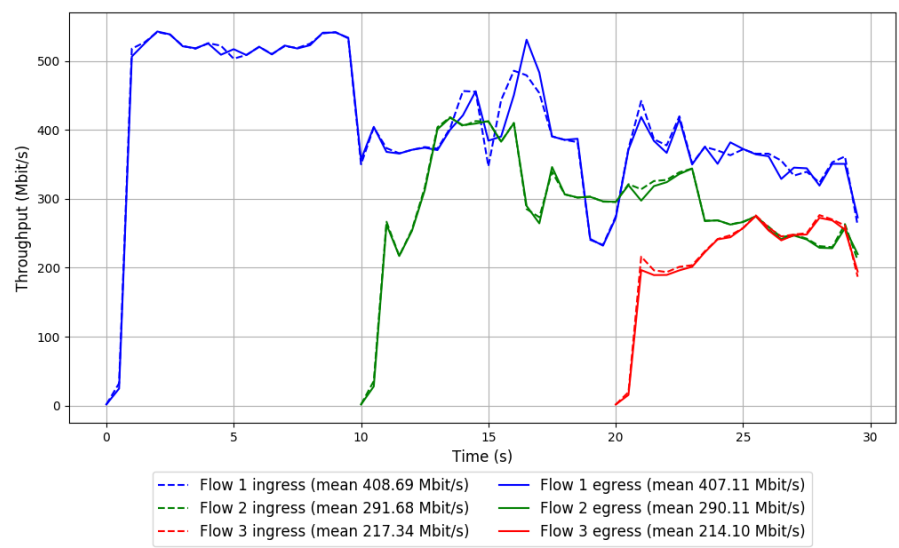


Run 7: Statistics of Vivace-loss

Start at: 2018-03-13 21:57:11
End at: 2018-03-13 21:57:41
Local clock offset: 0.515 ms
Remote clock offset: -6.266 ms

Below is generated by plot.py at 2018-03-14 04:32:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 670.44 Mbit/s
95th percentile per-packet one-way delay: 39.037 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 407.11 Mbit/s
95th percentile per-packet one-way delay: 71.116 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 290.11 Mbit/s
95th percentile per-packet one-way delay: 20.020 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 214.10 Mbit/s
95th percentile per-packet one-way delay: 20.080 ms
Loss rate: 1.49%

Run 7: Report of Vivace-loss — Data Link

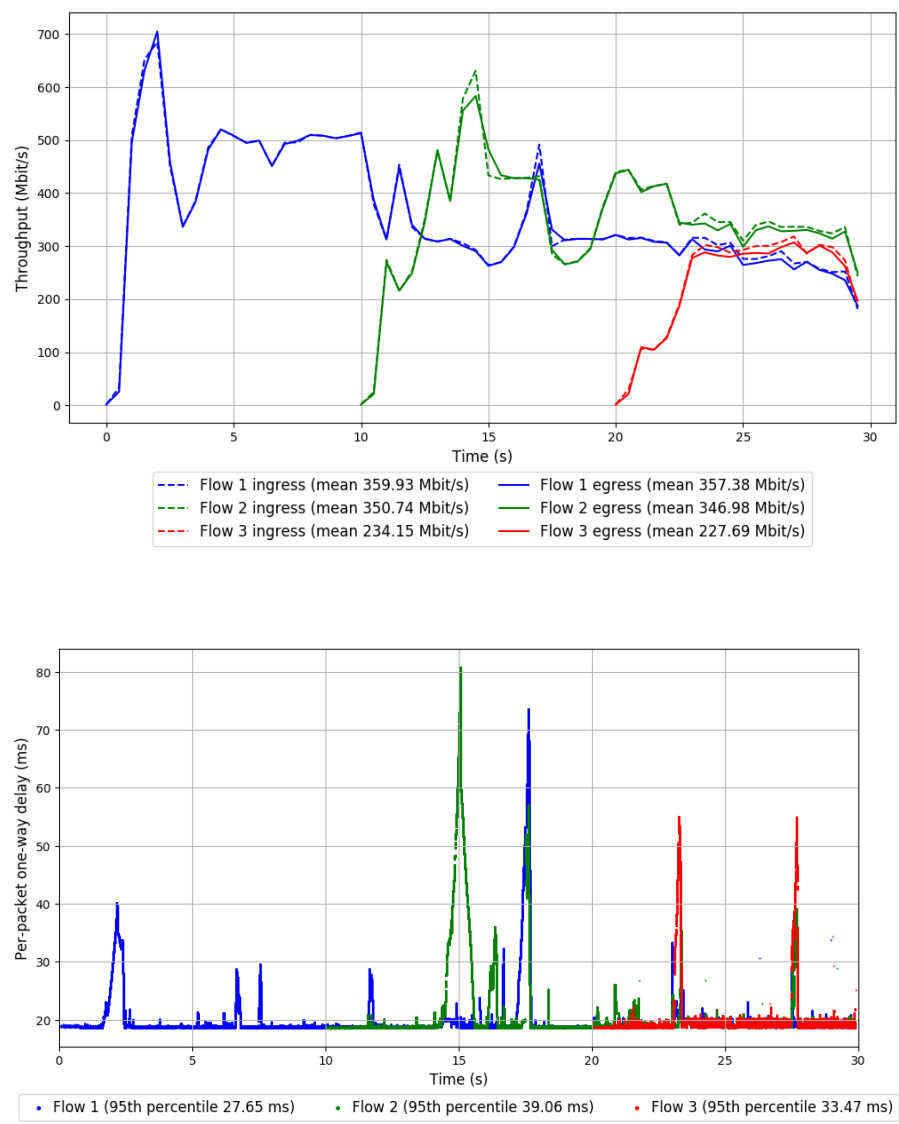


Run 8: Statistics of Vivace-loss

Start at: 2018-03-13 22:26:18
End at: 2018-03-13 22:26:48
Local clock offset: 0.688 ms
Remote clock offset: -6.162 ms

Below is generated by plot.py at 2018-03-14 04:33:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 662.93 Mbit/s
95th percentile per-packet one-way delay: 33.110 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 357.38 Mbit/s
95th percentile per-packet one-way delay: 27.648 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 346.98 Mbit/s
95th percentile per-packet one-way delay: 39.065 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 227.69 Mbit/s
95th percentile per-packet one-way delay: 33.469 ms
Loss rate: 2.70%

Run 8: Report of Vivace-loss — Data Link

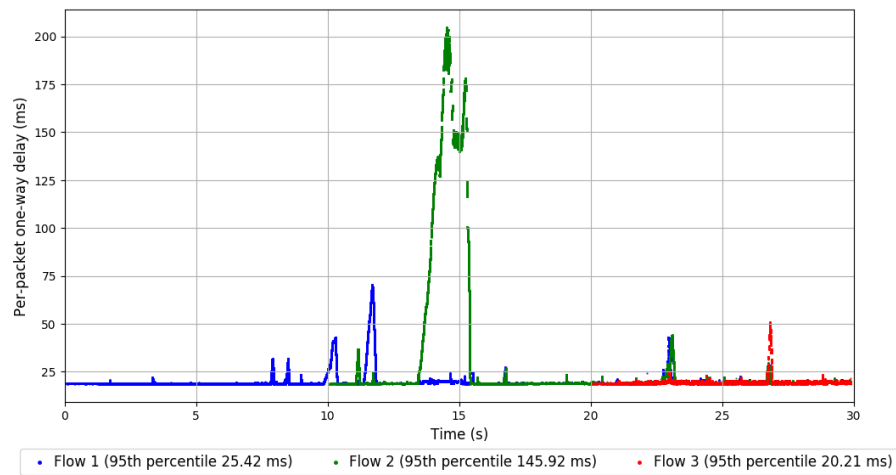
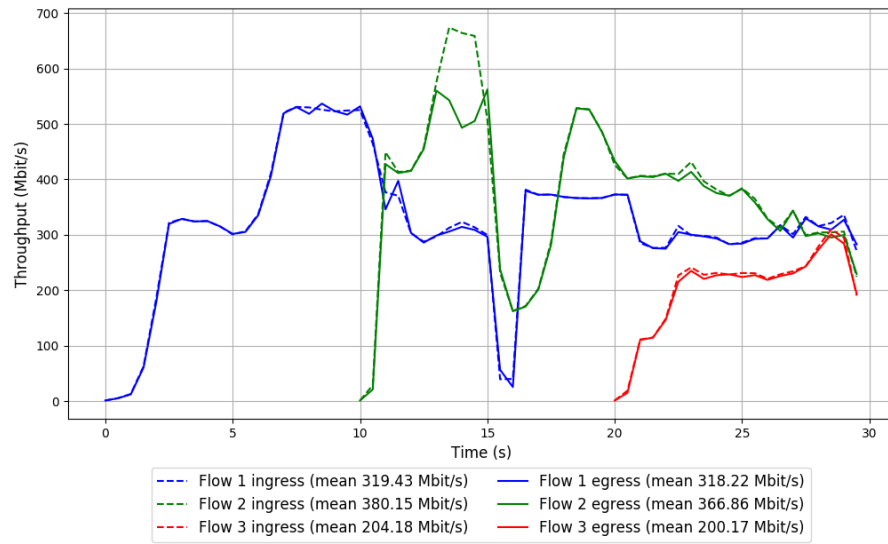


Run 9: Statistics of Vivace-loss

Start at: 2018-03-13 22:55:18
End at: 2018-03-13 22:55:48
Local clock offset: 0.607 ms
Remote clock offset: -4.721 ms

Below is generated by plot.py at 2018-03-14 04:37:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 628.02 Mbit/s
95th percentile per-packet one-way delay: 55.615 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 318.22 Mbit/s
95th percentile per-packet one-way delay: 25.422 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 366.86 Mbit/s
95th percentile per-packet one-way delay: 145.916 ms
Loss rate: 3.50%
-- Flow 3:
Average throughput: 200.17 Mbit/s
95th percentile per-packet one-way delay: 20.210 ms
Loss rate: 1.95%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-13 23:24:42

End at: 2018-03-13 23:25:12

Local clock offset: 0.509 ms

Remote clock offset: -3.44 ms

Below is generated by plot.py at 2018-03-14 04:37:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 623.17 Mbit/s

95th percentile per-packet one-way delay: 102.616 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 310.07 Mbit/s

95th percentile per-packet one-way delay: 20.088 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 373.81 Mbit/s

95th percentile per-packet one-way delay: 150.767 ms

Loss rate: 2.70%

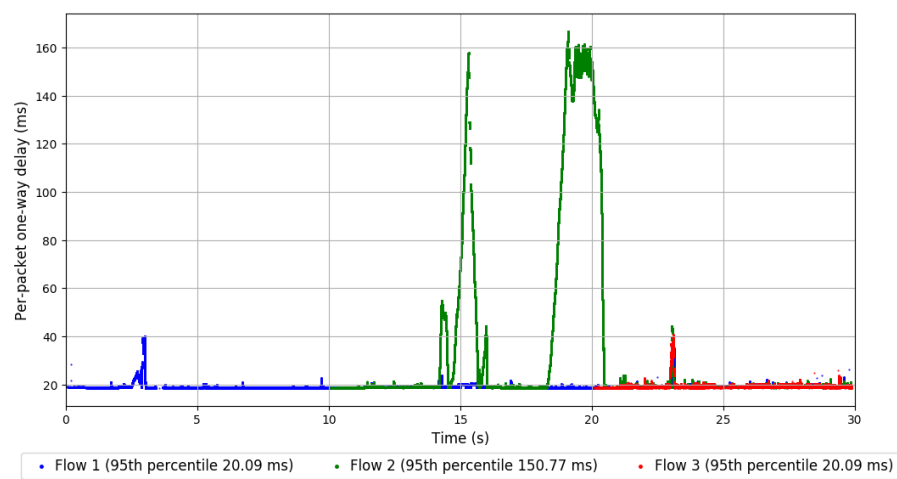
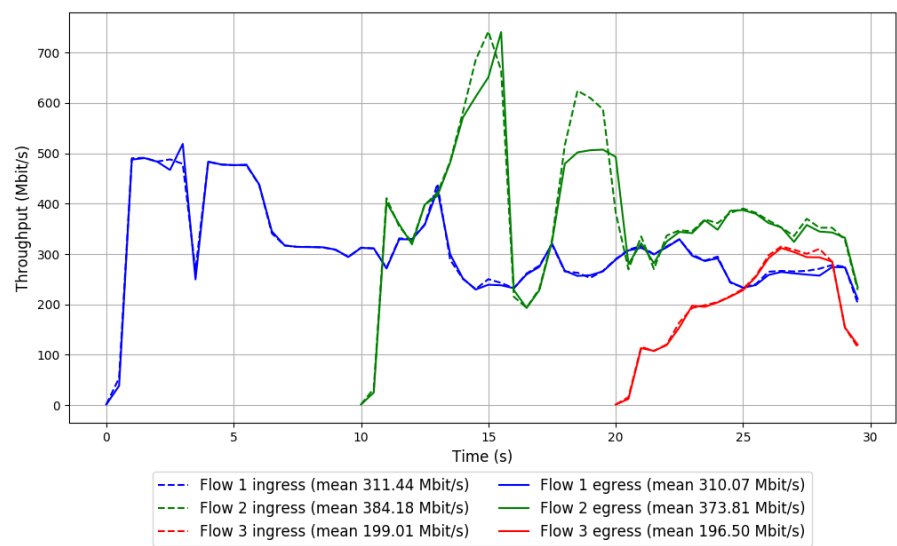
-- Flow 3:

Average throughput: 196.50 Mbit/s

95th percentile per-packet one-way delay: 20.088 ms

Loss rate: 1.36%

Run 10: Report of Vivace-loss — Data Link

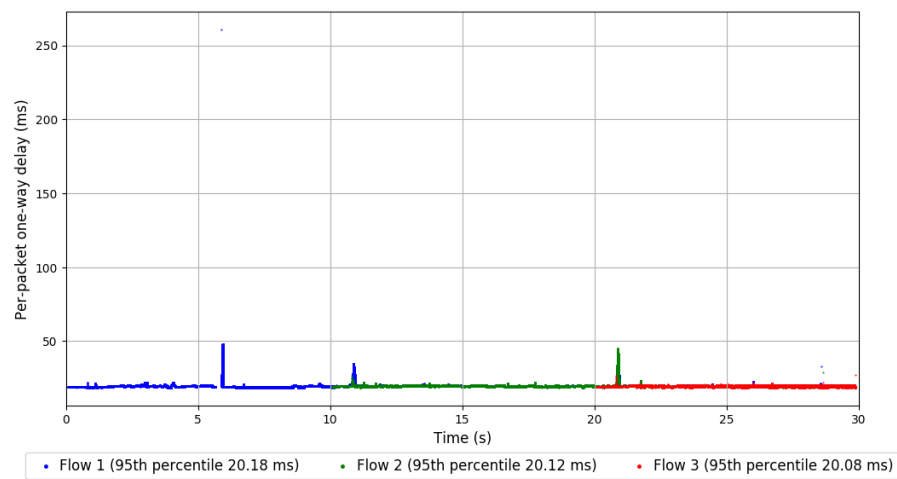
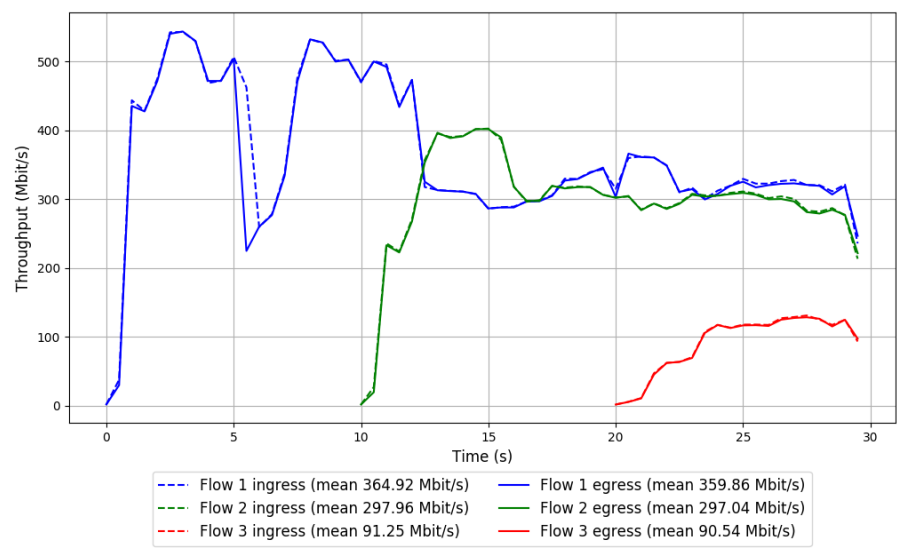


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-13 19:08:58
End at: 2018-03-13 19:09:28
Local clock offset: 1.214 ms
Remote clock offset: -5.238 ms

Below is generated by plot.py at 2018-03-14 04:37:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 586.90 Mbit/s
95th percentile per-packet one-way delay: 20.150 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 359.86 Mbit/s
95th percentile per-packet one-way delay: 20.181 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 297.04 Mbit/s
95th percentile per-packet one-way delay: 20.124 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 90.54 Mbit/s
95th percentile per-packet one-way delay: 20.084 ms
Loss rate: 0.71%

Run 1: Report of Vivace-LTE — Data Link

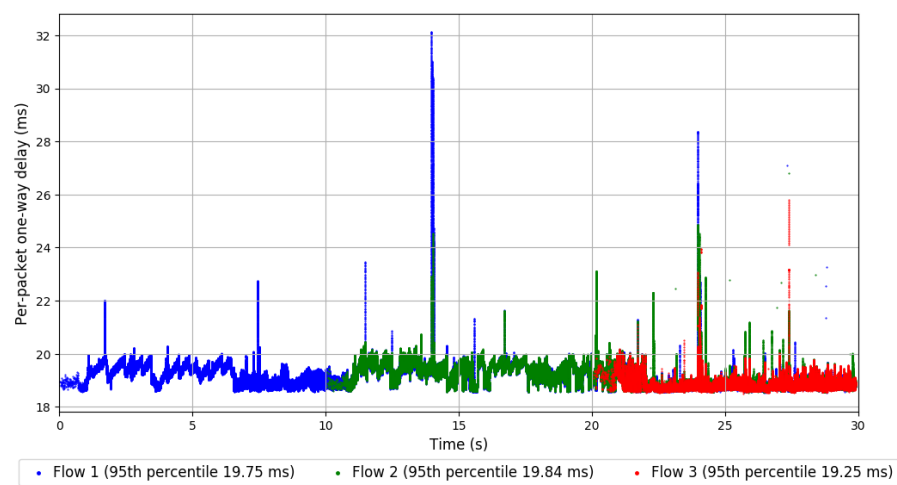
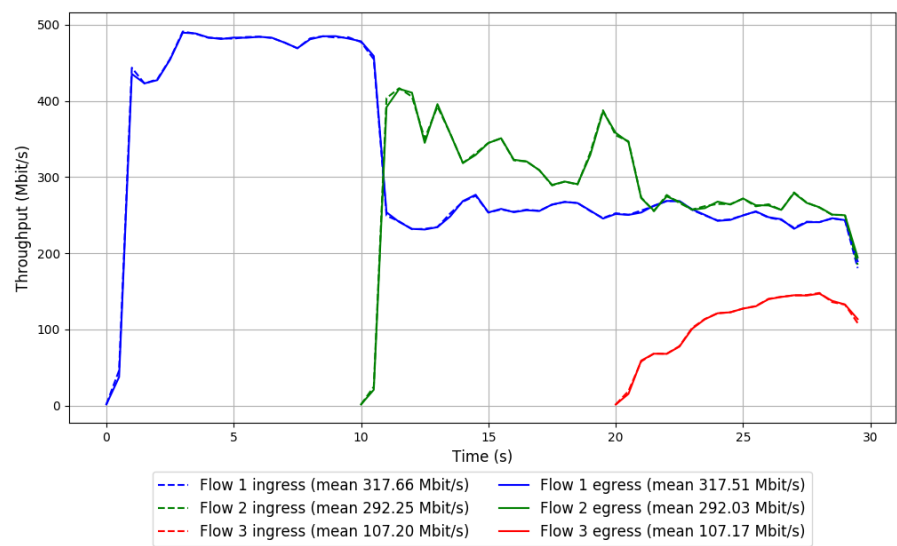


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-13 19:38:54
End at: 2018-03-13 19:39:24
Local clock offset: 0.971 ms
Remote clock offset: -4.918 ms

Below is generated by plot.py at 2018-03-14 04:37:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 546.93 Mbit/s
95th percentile per-packet one-way delay: 19.780 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 317.51 Mbit/s
95th percentile per-packet one-way delay: 19.749 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 292.03 Mbit/s
95th percentile per-packet one-way delay: 19.844 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 107.17 Mbit/s
95th percentile per-packet one-way delay: 19.248 ms
Loss rate: 0.03%

Run 2: Report of Vivace-LTE — Data Link

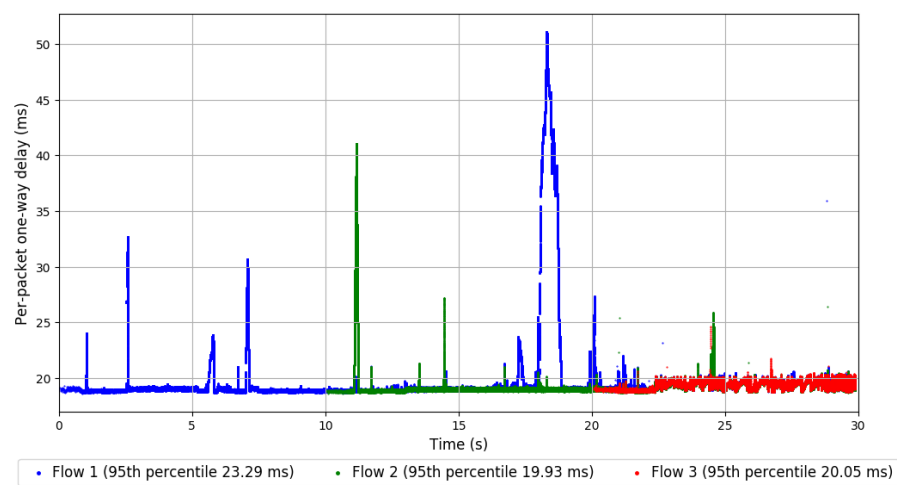
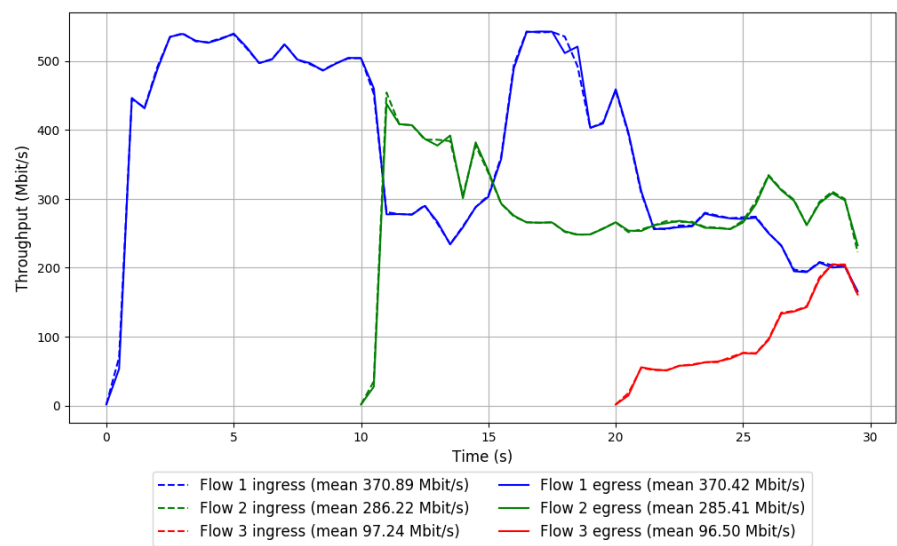


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-13 20:08:23
End at: 2018-03-13 20:08:53
Local clock offset: 0.703 ms
Remote clock offset: -5.921 ms

Below is generated by plot.py at 2018-03-14 04:37:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 591.92 Mbit/s
95th percentile per-packet one-way delay: 20.720 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 370.42 Mbit/s
95th percentile per-packet one-way delay: 23.285 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 285.41 Mbit/s
95th percentile per-packet one-way delay: 19.925 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 20.045 ms
Loss rate: 0.76%

Run 3: Report of Vivace-LTE — Data Link

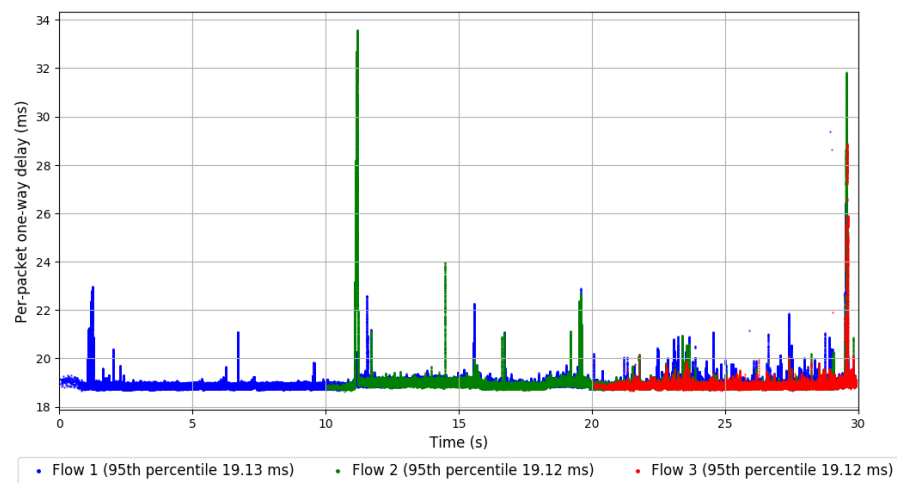
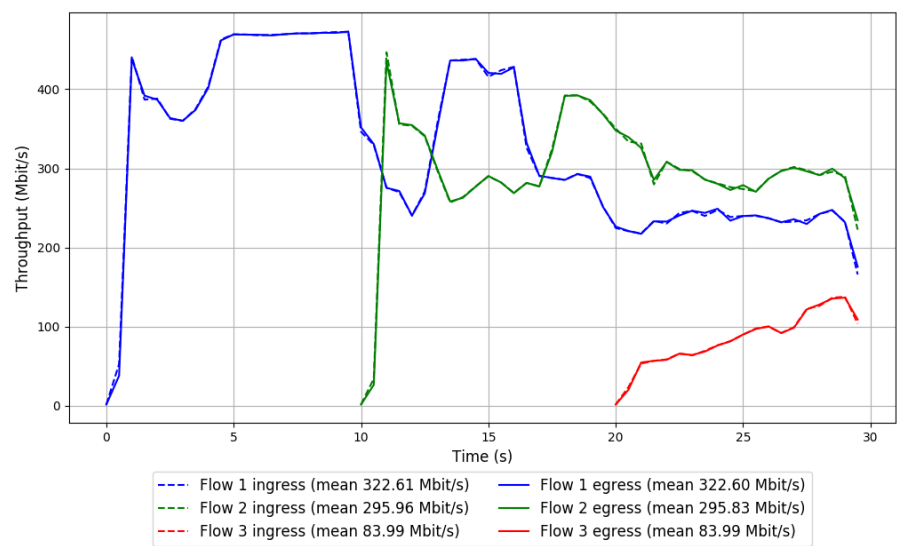


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-13 20:37:48
End at: 2018-03-13 20:38:18
Local clock offset: 0.956 ms
Remote clock offset: -6.309 ms

Below is generated by plot.py at 2018-03-14 04:37:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 547.04 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 322.60 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 295.83 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%

Run 4: Report of Vivace-LTE — Data Link

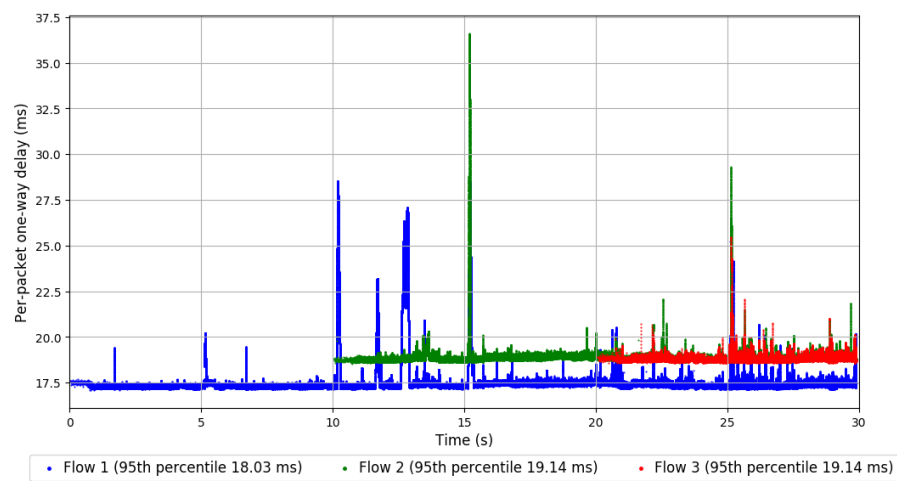
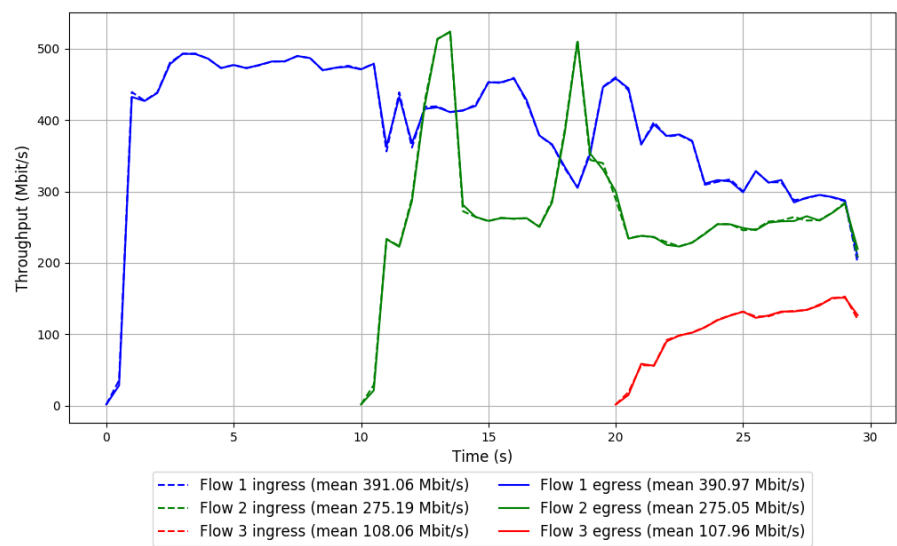


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-13 21:07:22
End at: 2018-03-13 21:07:52
Local clock offset: 1.082 ms
Remote clock offset: -6.277 ms

Below is generated by plot.py at 2018-03-14 04:40:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 609.35 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 390.97 Mbit/s
95th percentile per-packet one-way delay: 18.031 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 275.05 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 107.96 Mbit/s
95th percentile per-packet one-way delay: 19.137 ms
Loss rate: 0.10%

Run 5: Report of Vivace-LTE — Data Link

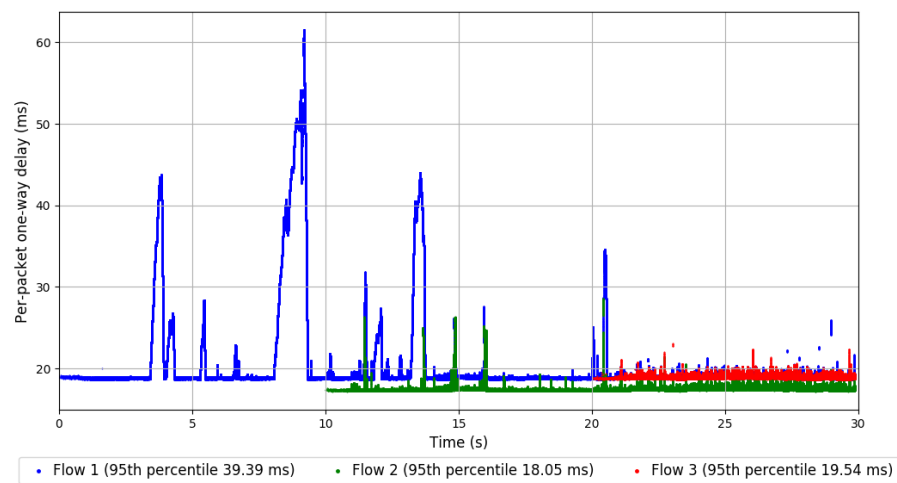
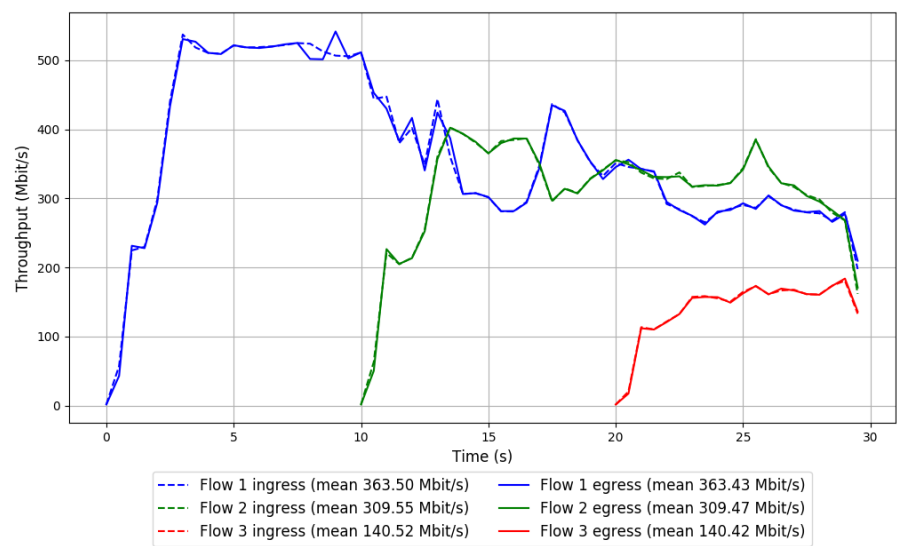


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-13 21:36:27
End at: 2018-03-13 21:36:57
Local clock offset: 0.897 ms
Remote clock offset: -6.122 ms

Below is generated by plot.py at 2018-03-14 04:40:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 615.48 Mbit/s
95th percentile per-packet one-way delay: 30.527 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 363.43 Mbit/s
95th percentile per-packet one-way delay: 39.389 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 309.47 Mbit/s
95th percentile per-packet one-way delay: 18.048 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 140.42 Mbit/s
95th percentile per-packet one-way delay: 19.536 ms
Loss rate: 0.08%

Run 6: Report of Vivace-LTE — Data Link

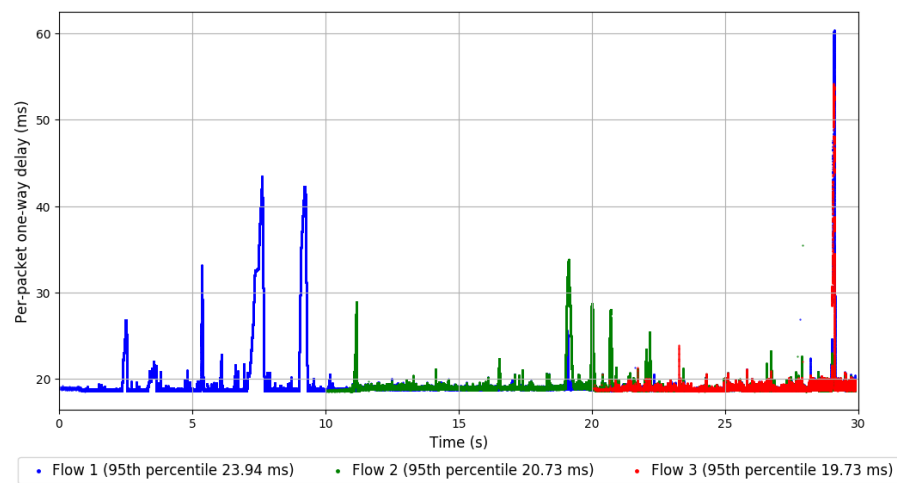
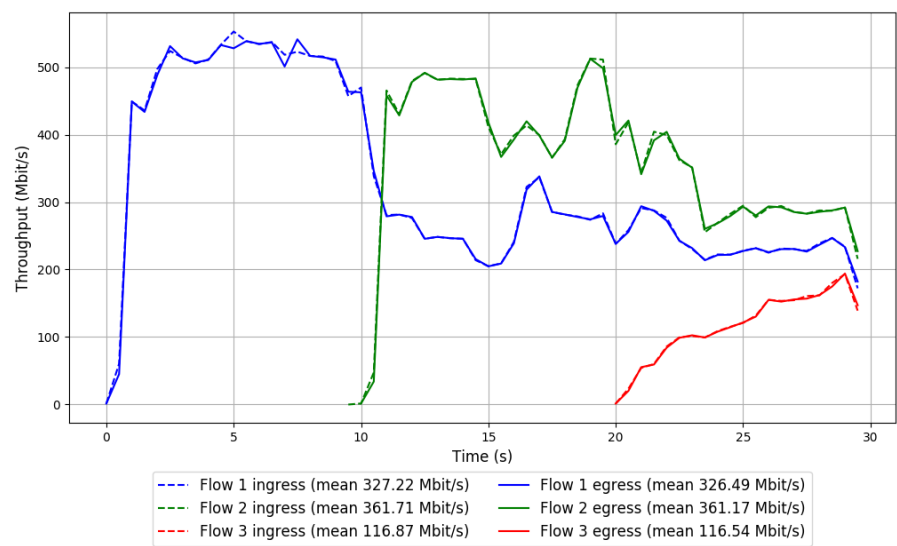


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-13 22:05:27
End at: 2018-03-13 22:05:57
Local clock offset: 0.559 ms
Remote clock offset: -6.289 ms

Below is generated by plot.py at 2018-03-14 04:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.17 Mbit/s
95th percentile per-packet one-way delay: 21.581 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 326.49 Mbit/s
95th percentile per-packet one-way delay: 23.941 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 361.17 Mbit/s
95th percentile per-packet one-way delay: 20.733 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 116.54 Mbit/s
95th percentile per-packet one-way delay: 19.728 ms
Loss rate: 0.28%

Run 7: Report of Vivace-LTE — Data Link

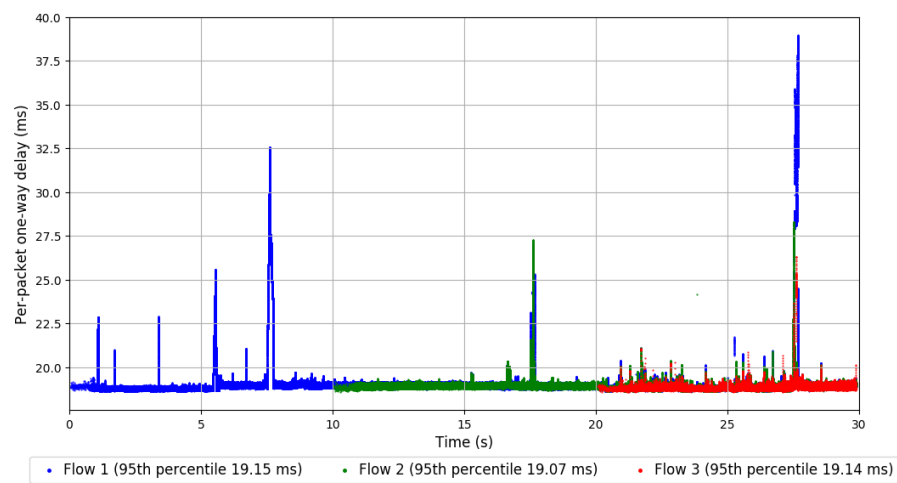
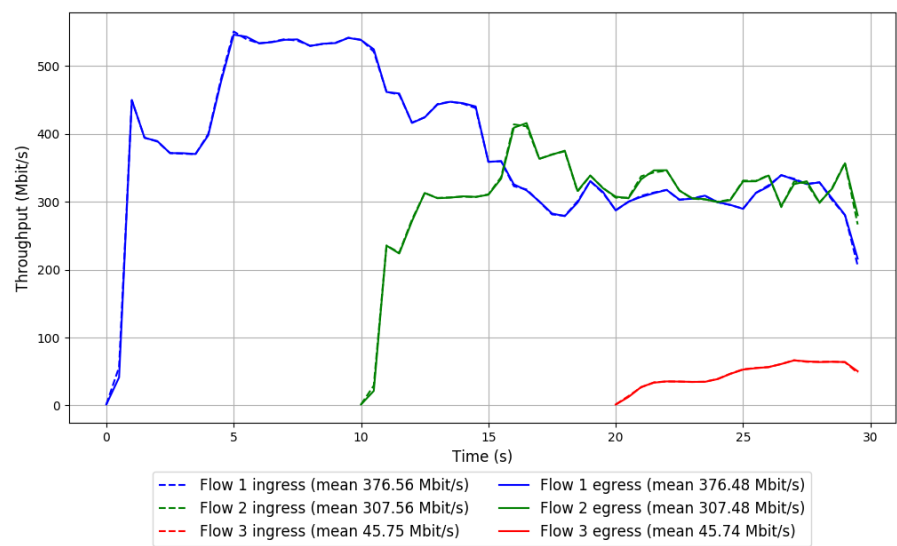


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-13 22:34:38
End at: 2018-03-13 22:35:08
Local clock offset: 0.572 ms
Remote clock offset: -6.161 ms

```
# Below is generated by plot.py at 2018-03-14 04:42:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 595.96 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 376.48 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 307.48 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 45.74 Mbit/s
95th percentile per-packet one-way delay: 19.139 ms
Loss rate: 0.03%
```

Run 8: Report of Vivace-LTE — Data Link

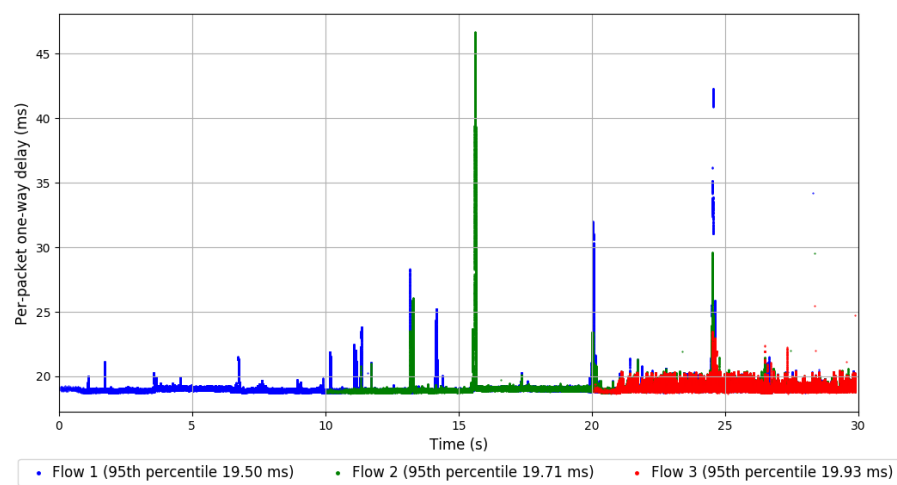
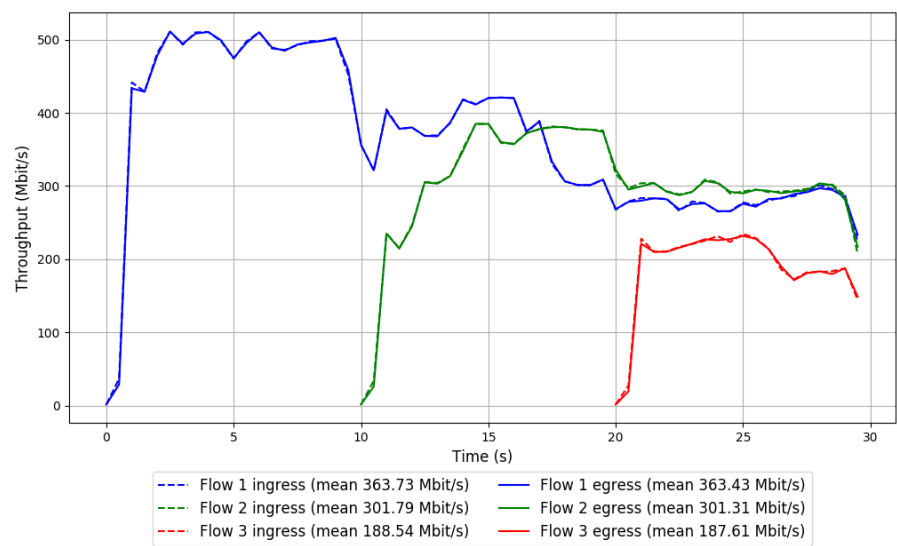


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-13 23:03:31
End at: 2018-03-13 23:04:01
Local clock offset: 0.447 ms
Remote clock offset: -4.094 ms

Below is generated by plot.py at 2018-03-14 04:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 625.57 Mbit/s
95th percentile per-packet one-way delay: 19.661 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 363.43 Mbit/s
95th percentile per-packet one-way delay: 19.499 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 301.31 Mbit/s
95th percentile per-packet one-way delay: 19.714 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 187.61 Mbit/s
95th percentile per-packet one-way delay: 19.931 ms
Loss rate: 0.43%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-13 23:32:58
End at: 2018-03-13 23:33:28
Local clock offset: 0.382 ms
Remote clock offset: -3.135 ms

Below is generated by plot.py at 2018-03-14 04:43:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 689.27 Mbit/s
95th percentile per-packet one-way delay: 22.062 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 390.63 Mbit/s
95th percentile per-packet one-way delay: 21.185 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 358.97 Mbit/s
95th percentile per-packet one-way delay: 24.817 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 182.01 Mbit/s
95th percentile per-packet one-way delay: 20.177 ms
Loss rate: 1.09%

Run 10: Report of Vivace-LTE — Data Link

