

Pantheon Report

Generated at 2017-11-16 15:34:17 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

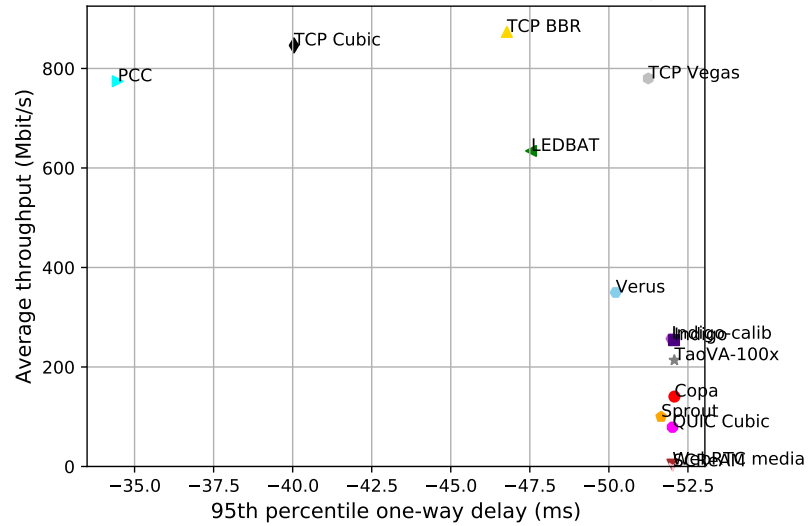
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

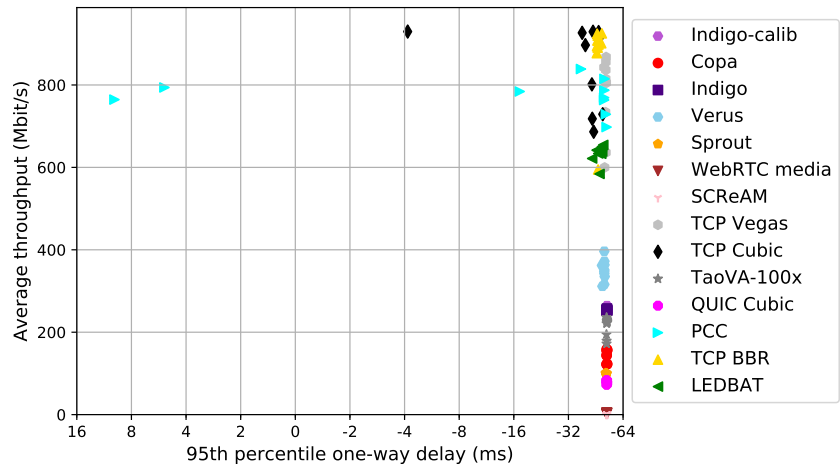
Git summary:

```
branch: indigos @ f54f2953f2a9765c9ffa988d13de5a9471790eb0
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



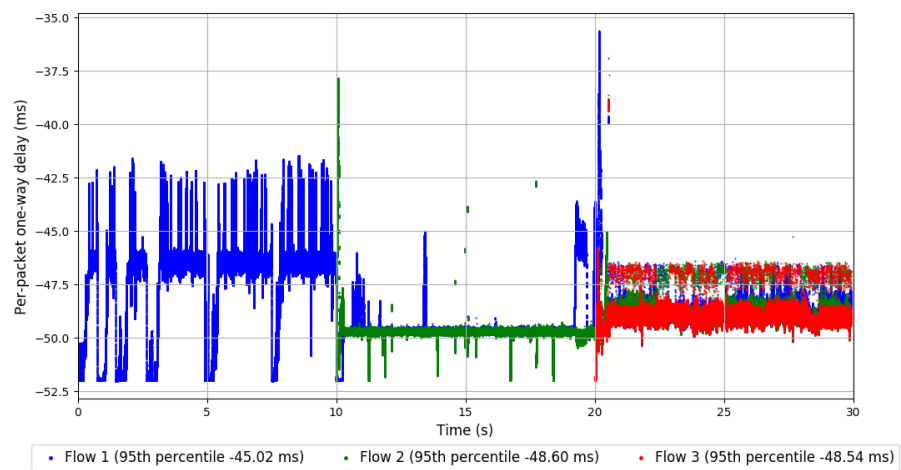
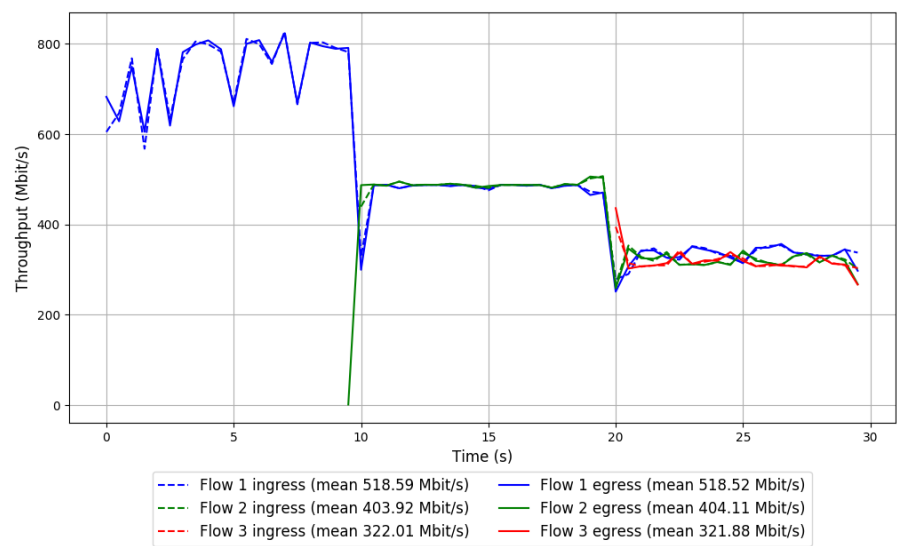
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	471.29	431.70	345.39	-41.57	-47.84	-48.65	0.02	0.03	0.08
TCP Cubic	10	427.48	463.67	331.98	-45.74	-40.68	-48.89	0.04	0.06	0.14
LEDBAT	10	368.59	292.34	214.48	-47.20	-48.56	-48.86	0.01	0.02	0.05
PCC	10	598.25	189.41	152.44	-27.67	-45.56	-51.29	0.59	0.05	0.06
QUIC Cubic	10	1.13	79.81	78.07	-51.83	-52.02	-52.01	0.00	0.02	0.05
SCReAM	10	0.22	0.22	0.22	-52.02	-52.03	-52.02	0.00	0.12	0.03
WebRTC media	10	1.66	1.50	0.67	-51.99	-52.01	-52.00	0.02	0.00	0.11
Sprout	10	50.11	50.03	49.81	-51.72	-51.62	-51.57	0.02	0.01	0.09
TaoVA-100x	10	126.46	97.50	87.16	-52.08	-52.06	-52.03	0.01	0.02	0.06
TCP Vegas	10	473.47	292.82	336.10	-50.91	-51.34	-51.51	0.01	0.02	0.05
Verus	10	199.59	151.06	140.81	-50.17	-45.15	-50.39	0.01	0.02	0.04
Copa	10	86.04	54.42	80.89	-52.07	-52.04	-52.06	0.01	0.01	0.03
Indigo	10	142.13	124.66	88.93	-52.07	-52.05	-52.02	0.01	0.02	0.06
Indigo-calib	10	144.00	124.18	92.90	-52.00	-51.96	-51.92	0.01	0.03	0.06

Run 1: Statistics of TCP BBR

Start at: 2017-11-16 07:21:08
End at: 2017-11-16 07:21:38
Local clock offset: 0.569 ms
Remote clock offset: 32.698 ms

Below is generated by plot.py at 2017-11-16 14:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 894.35 Mbit/s
95th percentile per-packet one-way delay: -45.985 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 518.52 Mbit/s
95th percentile per-packet one-way delay: -45.019 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 404.11 Mbit/s
95th percentile per-packet one-way delay: -48.600 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 321.88 Mbit/s
95th percentile per-packet one-way delay: -48.538 ms
Loss rate: 0.08%

Run 1: Report of TCP BBR — Data Link

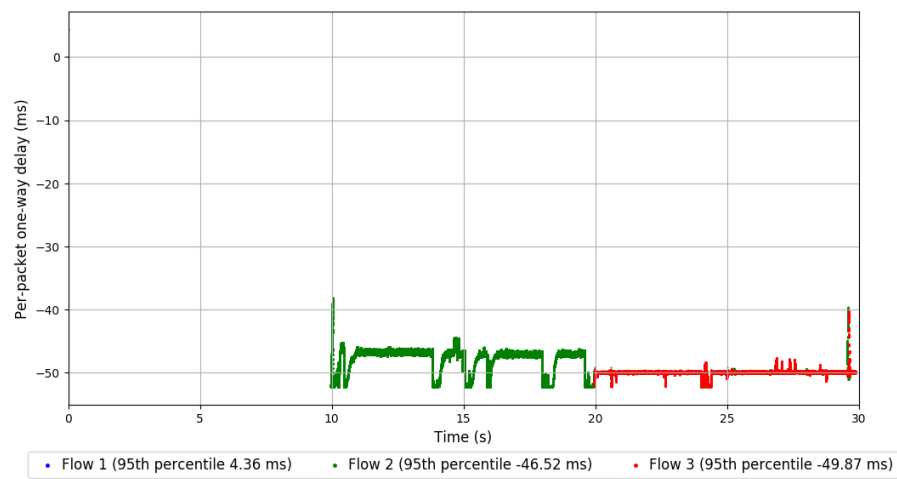
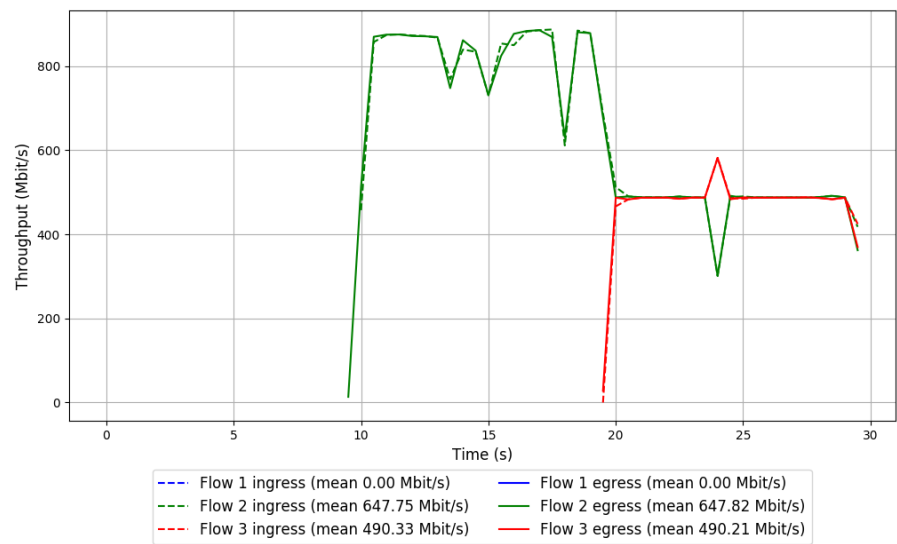


Run 2: Statistics of TCP BBR

Start at: 2017-11-16 07:39:57
End at: 2017-11-16 07:40:27
Local clock offset: 0.382 ms
Remote clock offset: 33.607 ms

Below is generated by plot.py at 2017-11-16 14:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 594.92 Mbit/s
95th percentile per-packet one-way delay: -46.624 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 4.362 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 647.82 Mbit/s
95th percentile per-packet one-way delay: -46.522 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 490.21 Mbit/s
95th percentile per-packet one-way delay: -49.869 ms
Loss rate: 0.08%

Run 2: Report of TCP BBR — Data Link

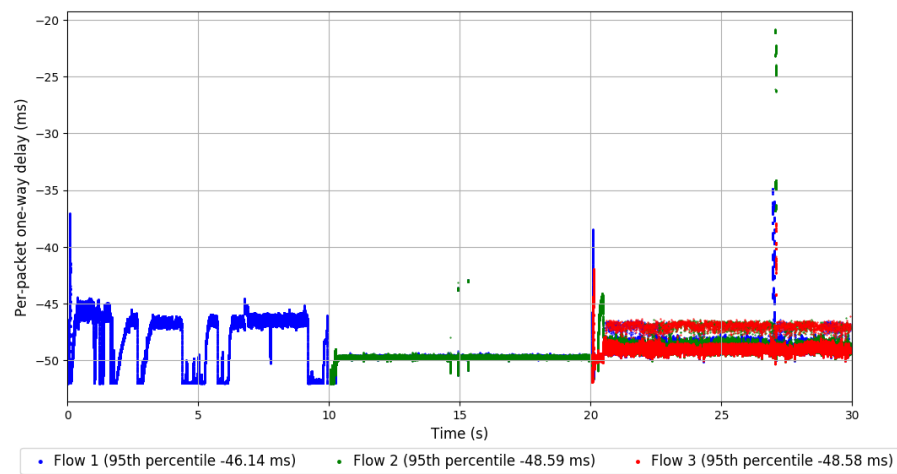
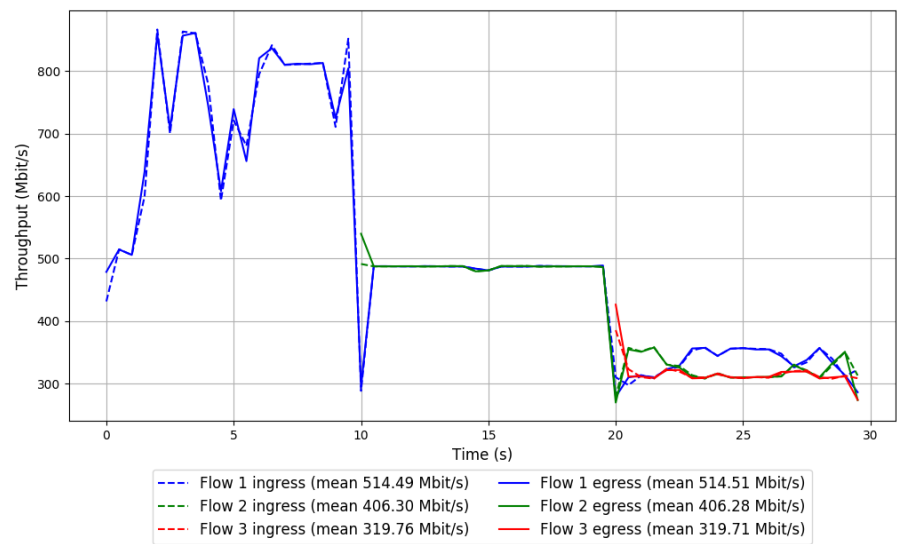


Run 3: Statistics of TCP BBR

Start at: 2017-11-16 07:58:38
End at: 2017-11-16 07:59:08
Local clock offset: 0.082 ms
Remote clock offset: 34.048 ms

Below is generated by plot.py at 2017-11-16 14:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 890.60 Mbit/s
95th percentile per-packet one-way delay: -46.343 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 514.51 Mbit/s
95th percentile per-packet one-way delay: -46.136 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 406.28 Mbit/s
95th percentile per-packet one-way delay: -48.586 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 319.71 Mbit/s
95th percentile per-packet one-way delay: -48.582 ms
Loss rate: 0.07%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-11-16 08:17:21

End at: 2017-11-16 08:17:51

Local clock offset: -0.064 ms

Remote clock offset: 34.82 ms

Below is generated by plot.py at 2017-11-16 14:07:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 924.62 Mbit/s

95th percentile per-packet one-way delay: -46.077 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 541.82 Mbit/s

95th percentile per-packet one-way delay: -46.772 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 402.25 Mbit/s

95th percentile per-packet one-way delay: -45.486 ms

Loss rate: 0.03%

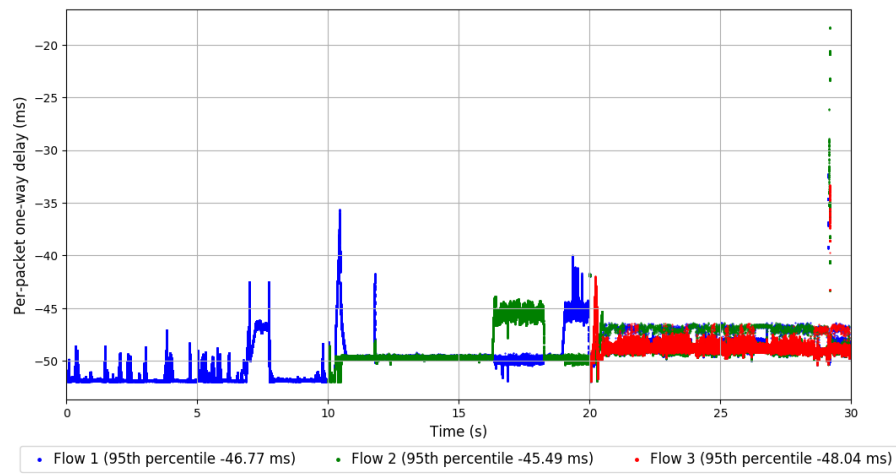
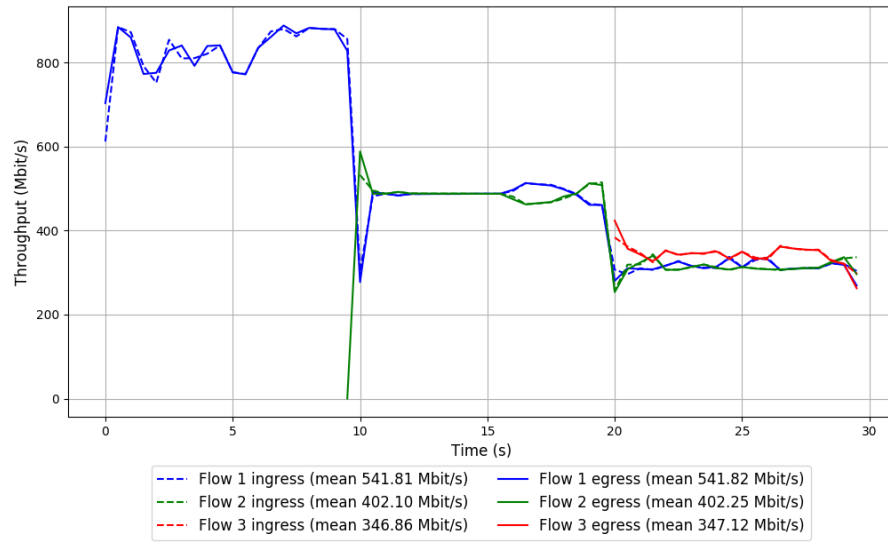
-- Flow 3:

Average throughput: 347.12 Mbit/s

95th percentile per-packet one-way delay: -48.043 ms

Loss rate: 0.07%

Run 4: Report of TCP BBR — Data Link

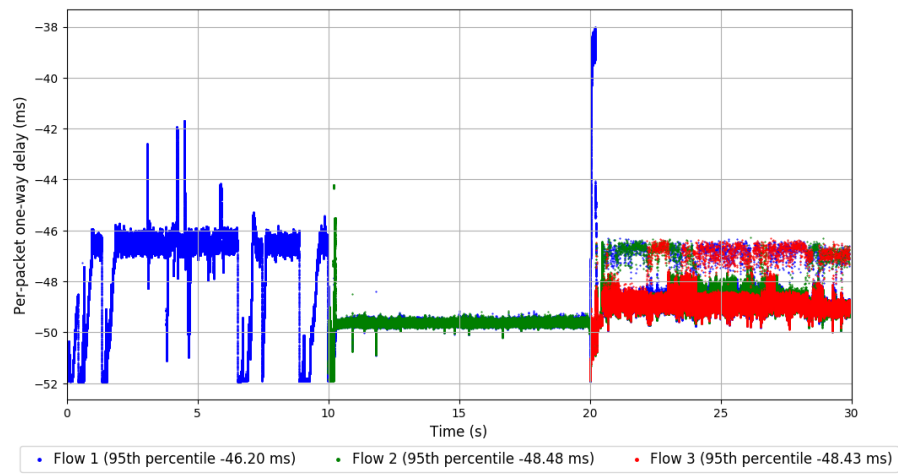
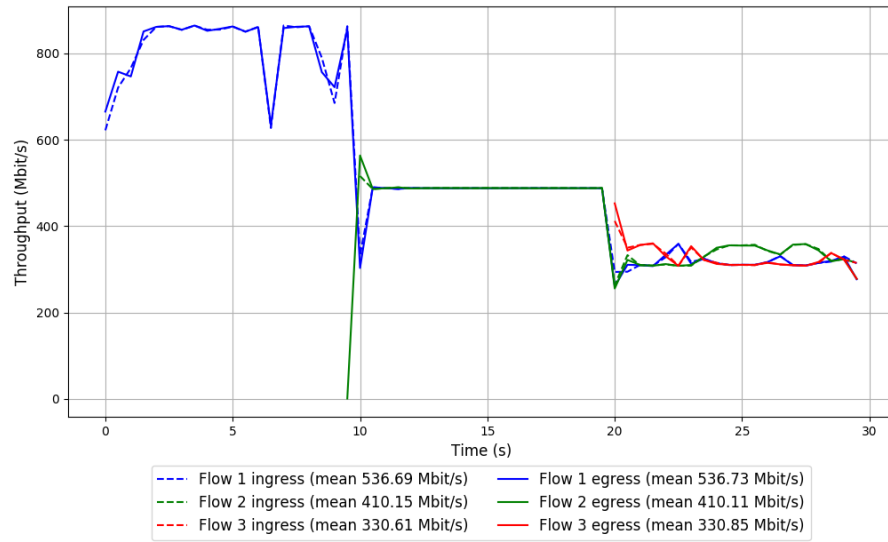


Run 5: Statistics of TCP BBR

Start at: 2017-11-16 08:36:24
End at: 2017-11-16 08:36:54
Local clock offset: -0.179 ms
Remote clock offset: 35.467 ms

Below is generated by plot.py at 2017-11-16 14:07:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 919.66 Mbit/s
95th percentile per-packet one-way delay: -46.363 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 536.73 Mbit/s
95th percentile per-packet one-way delay: -46.205 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 410.11 Mbit/s
95th percentile per-packet one-way delay: -48.482 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 330.85 Mbit/s
95th percentile per-packet one-way delay: -48.434 ms
Loss rate: 0.07%

Run 5: Report of TCP BBR — Data Link

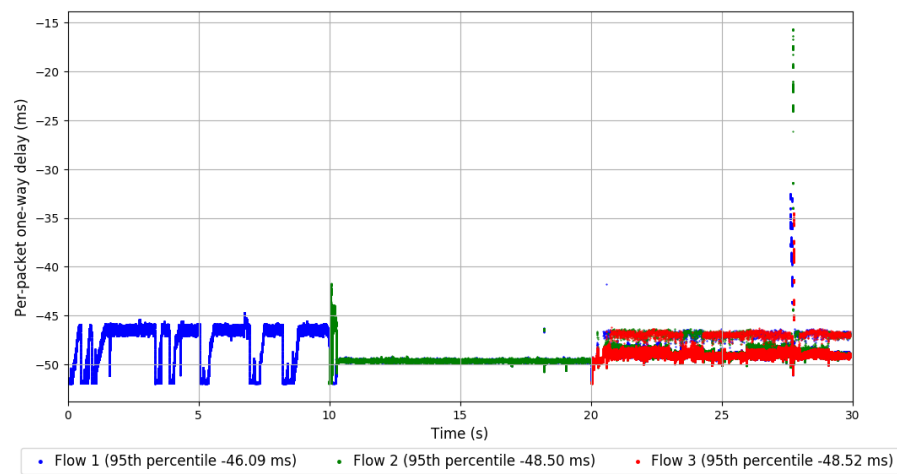
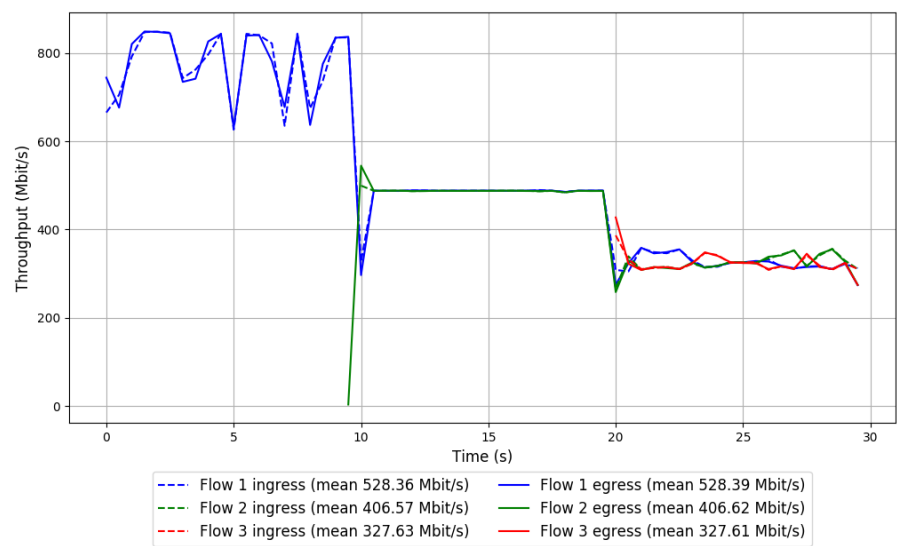


Run 6: Statistics of TCP BBR

Start at: 2017-11-16 08:55:20
End at: 2017-11-16 08:55:50
Local clock offset: -0.272 ms
Remote clock offset: 35.754 ms

Below is generated by plot.py at 2017-11-16 14:07:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 907.81 Mbit/s
95th percentile per-packet one-way delay: -46.202 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 528.39 Mbit/s
95th percentile per-packet one-way delay: -46.095 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 406.62 Mbit/s
95th percentile per-packet one-way delay: -48.499 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 327.61 Mbit/s
95th percentile per-packet one-way delay: -48.524 ms
Loss rate: 0.07%

Run 6: Report of TCP BBR — Data Link

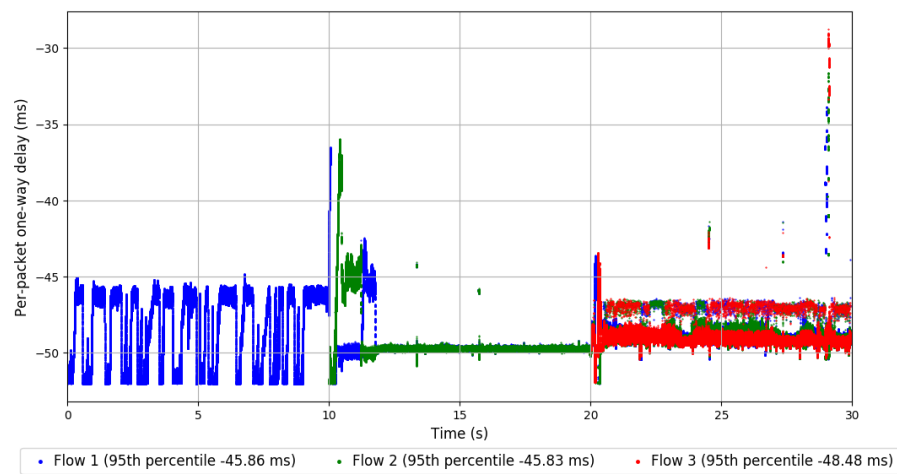
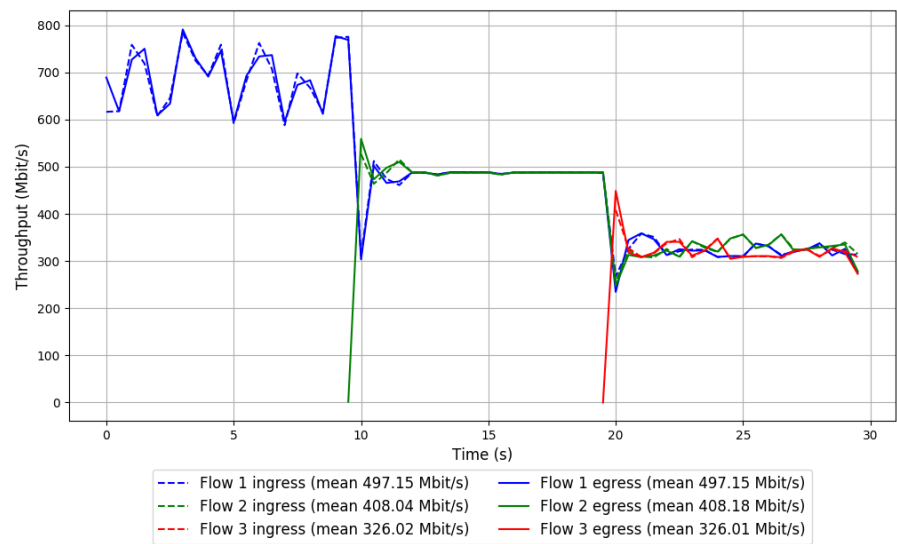


Run 7: Statistics of TCP BBR

Start at: 2017-11-16 09:14:24
End at: 2017-11-16 09:14:54
Local clock offset: -0.338 ms
Remote clock offset: 36.041 ms

Below is generated by plot.py at 2017-11-16 14:07:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 877.23 Mbit/s
95th percentile per-packet one-way delay: -45.888 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 497.15 Mbit/s
95th percentile per-packet one-way delay: -45.860 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 408.18 Mbit/s
95th percentile per-packet one-way delay: -45.834 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 326.01 Mbit/s
95th percentile per-packet one-way delay: -48.481 ms
Loss rate: 0.07%

Run 7: Report of TCP BBR — Data Link

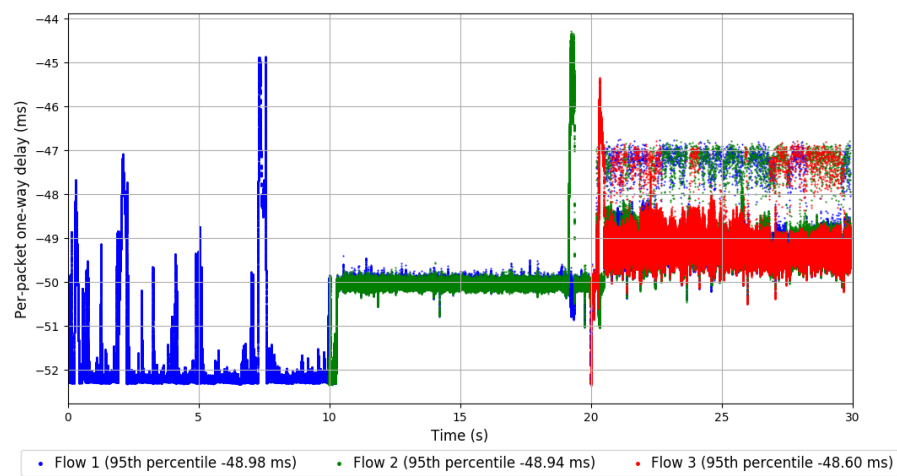
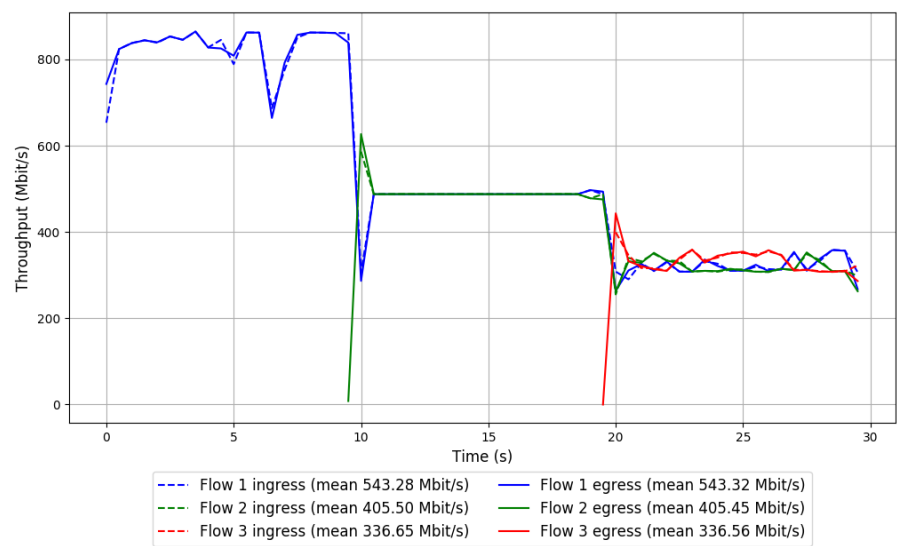


Run 8: Statistics of TCP BBR

Start at: 2017-11-16 09:33:21
End at: 2017-11-16 09:33:51
Local clock offset: -0.32 ms
Remote clock offset: 35.673 ms

Below is generated by plot.py at 2017-11-16 14:07:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 925.26 Mbit/s
95th percentile per-packet one-way delay: -48.891 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 543.32 Mbit/s
95th percentile per-packet one-way delay: -48.979 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 405.45 Mbit/s
95th percentile per-packet one-way delay: -48.938 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 336.56 Mbit/s
95th percentile per-packet one-way delay: -48.598 ms
Loss rate: 0.07%

Run 8: Report of TCP BBR — Data Link

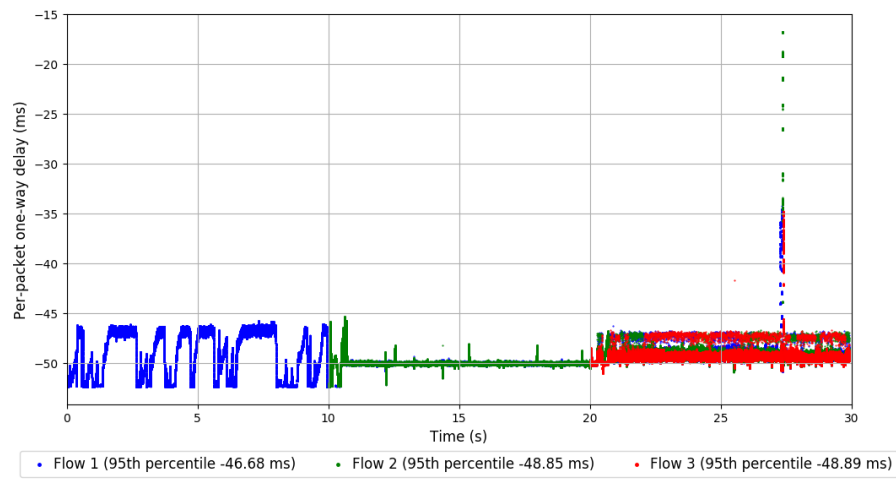
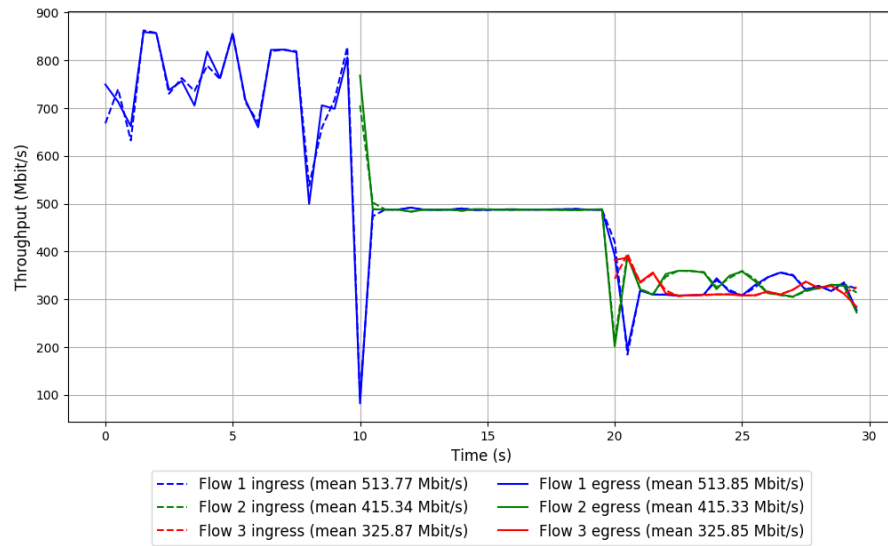


Run 9: Statistics of TCP BBR

Start at: 2017-11-16 09:52:15
End at: 2017-11-16 09:52:45
Local clock offset: -0.263 ms
Remote clock offset: 35.264 ms

Below is generated by plot.py at 2017-11-16 14:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 898.28 Mbit/s
95th percentile per-packet one-way delay: -46.853 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 513.85 Mbit/s
95th percentile per-packet one-way delay: -46.684 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 415.33 Mbit/s
95th percentile per-packet one-way delay: -48.852 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 325.85 Mbit/s
95th percentile per-packet one-way delay: -48.891 ms
Loss rate: 0.17%

Run 9: Report of TCP BBR — Data Link

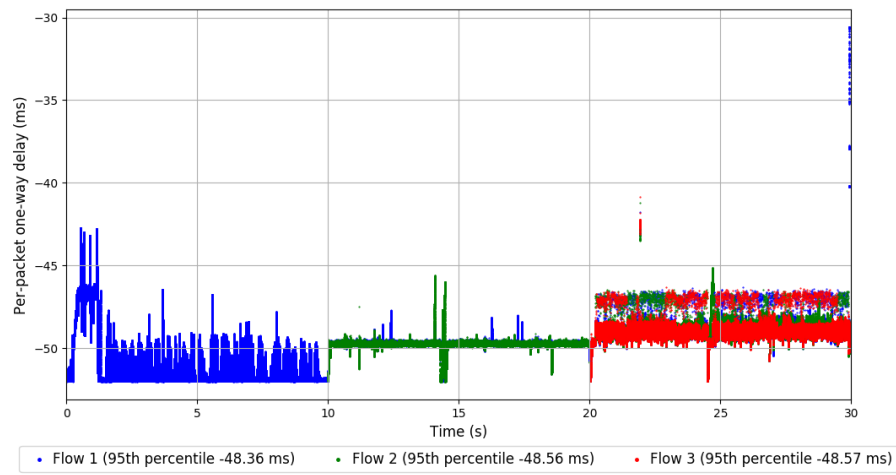
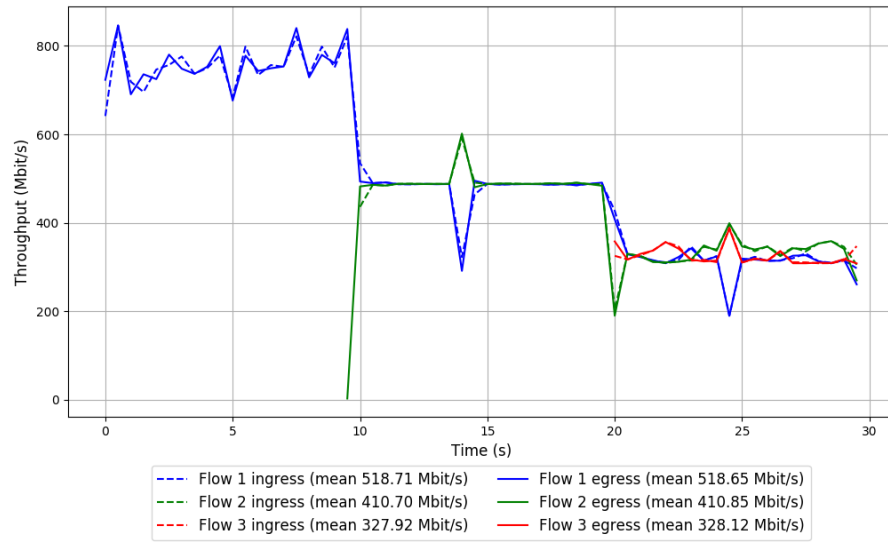


Run 10: Statistics of TCP BBR

Start at: 2017-11-16 10:11:17
End at: 2017-11-16 10:11:47
Local clock offset: -0.218 ms
Remote clock offset: 35.176 ms

Below is generated by plot.py at 2017-11-16 14:19:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 901.24 Mbit/s
95th percentile per-packet one-way delay: -48.527 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 518.65 Mbit/s
95th percentile per-packet one-way delay: -48.361 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 410.85 Mbit/s
95th percentile per-packet one-way delay: -48.558 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 328.12 Mbit/s
95th percentile per-packet one-way delay: -48.570 ms
Loss rate: 0.08%

Run 10: Report of TCP BBR — Data Link

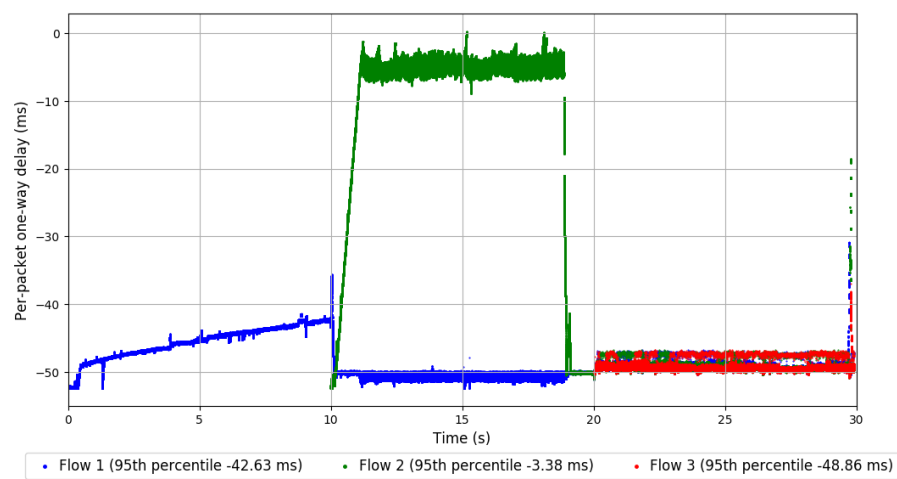
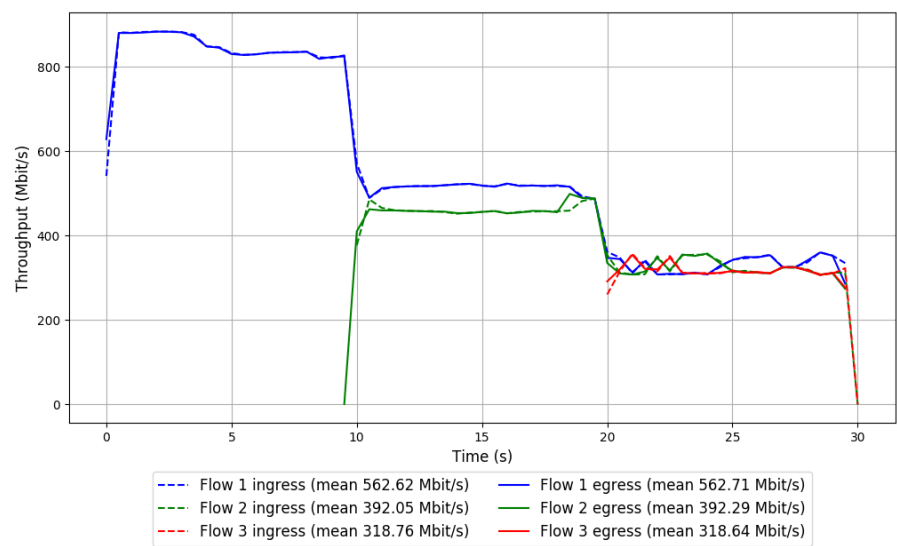


Run 1: Statistics of TCP Cubic

Start at: 2017-11-16 07:24:26
End at: 2017-11-16 07:24:56
Local clock offset: 0.565 ms
Remote clock offset: 33.099 ms

Below is generated by plot.py at 2017-11-16 14:20:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 929.62 Mbit/s
95th percentile per-packet one-way delay: -4.161 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 562.71 Mbit/s
95th percentile per-packet one-way delay: -42.634 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 392.29 Mbit/s
95th percentile per-packet one-way delay: -3.377 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 318.64 Mbit/s
95th percentile per-packet one-way delay: -48.863 ms
Loss rate: 0.24%

Run 1: Report of TCP Cubic — Data Link

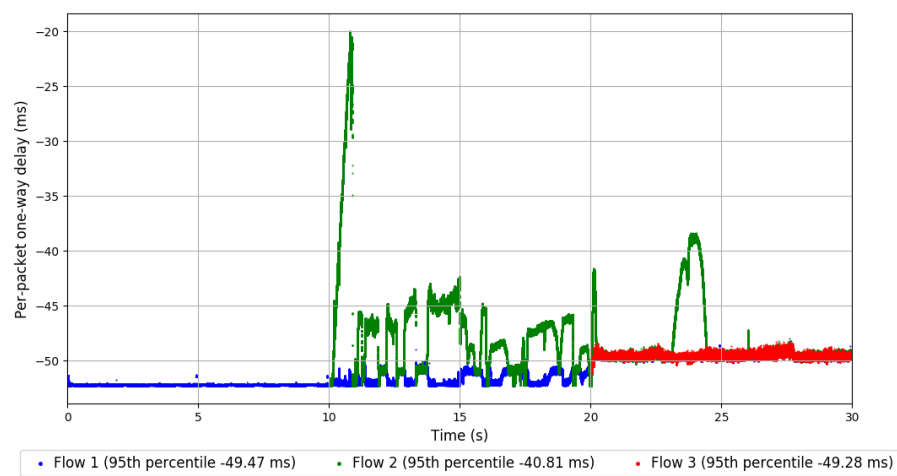
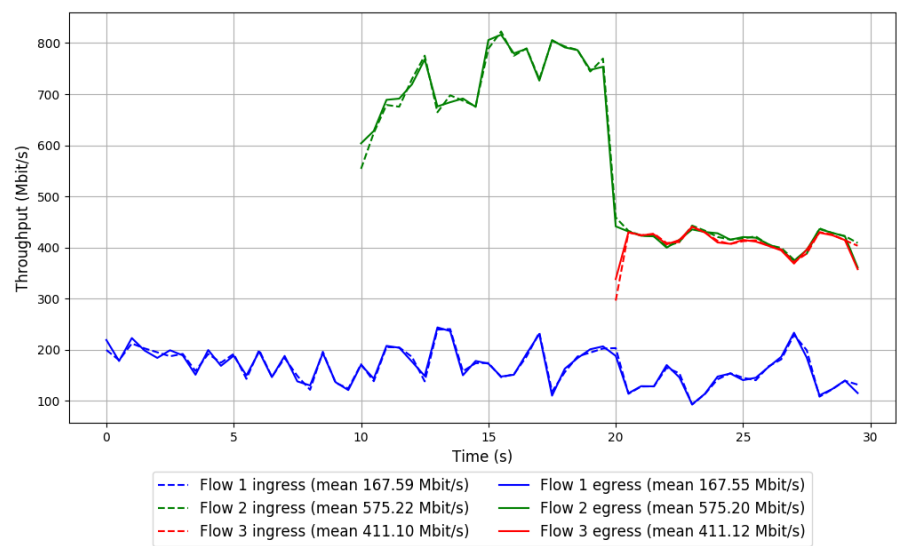


Run 2: Statistics of TCP Cubic

Start at: 2017-11-16 07:43:02
End at: 2017-11-16 07:43:32
Local clock offset: 0.305 ms
Remote clock offset: 33.755 ms

Below is generated by plot.py at 2017-11-16 14:20:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 686.45 Mbit/s
95th percentile per-packet one-way delay: -44.086 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 167.55 Mbit/s
95th percentile per-packet one-way delay: -49.468 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 575.20 Mbit/s
95th percentile per-packet one-way delay: -40.812 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 411.12 Mbit/s
95th percentile per-packet one-way delay: -49.277 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link

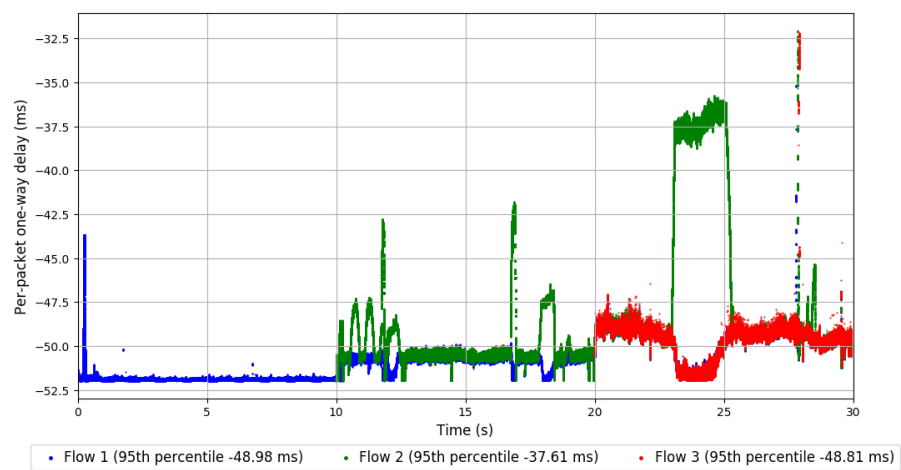
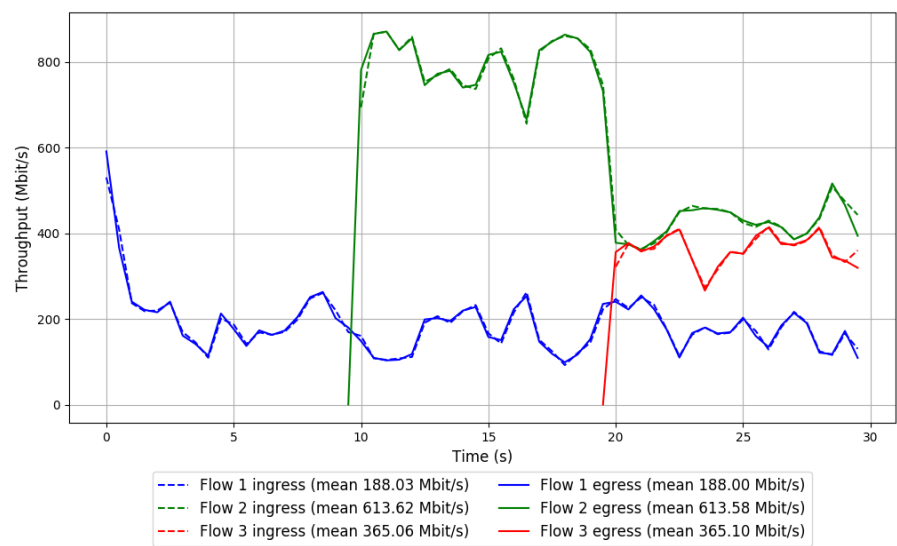


Run 3: Statistics of TCP Cubic

Start at: 2017-11-16 08:01:54
End at: 2017-11-16 08:02:24
Local clock offset: 0.046 ms
Remote clock offset: 34.084 ms

Below is generated by plot.py at 2017-11-16 14:20:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 718.05 Mbit/s
95th percentile per-packet one-way delay: -43.317 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 188.00 Mbit/s
95th percentile per-packet one-way delay: -48.979 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 613.58 Mbit/s
95th percentile per-packet one-way delay: -37.613 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 365.10 Mbit/s
95th percentile per-packet one-way delay: -48.806 ms
Loss rate: 0.08%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-11-16 08:20:40

End at: 2017-11-16 08:21:10

Local clock offset: -0.074 ms

Remote clock offset: 34.94 ms

Below is generated by plot.py at 2017-11-16 14:20:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 929.24 Mbit/s

95th percentile per-packet one-way delay: -43.727 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 550.39 Mbit/s

95th percentile per-packet one-way delay: -43.335 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 408.90 Mbit/s

95th percentile per-packet one-way delay: -48.538 ms

Loss rate: 0.10%

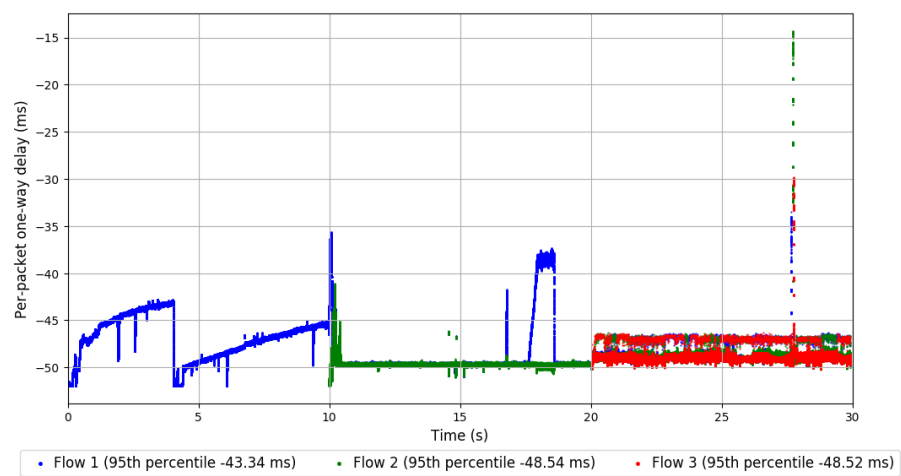
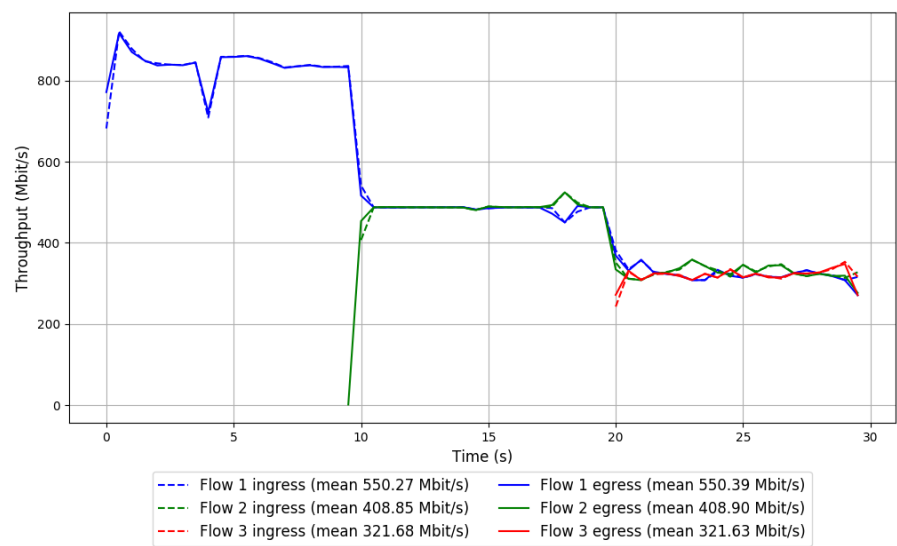
-- Flow 3:

Average throughput: 321.63 Mbit/s

95th percentile per-packet one-way delay: -48.524 ms

Loss rate: 0.24%

Run 4: Report of TCP Cubic — Data Link

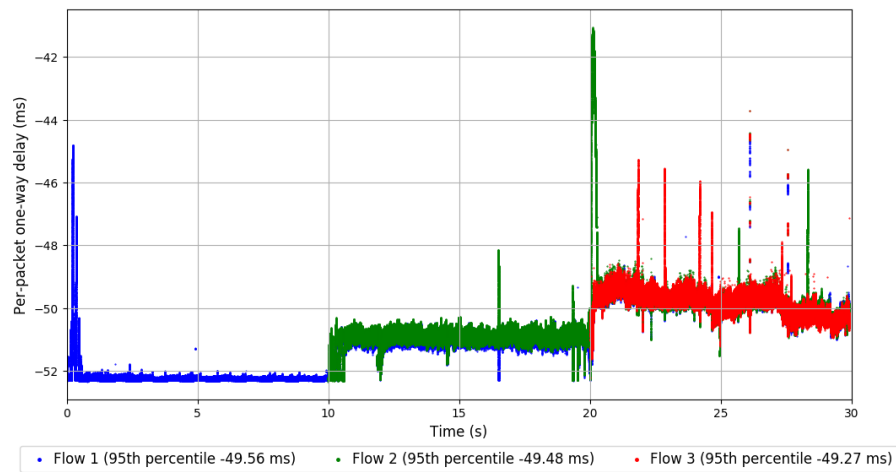
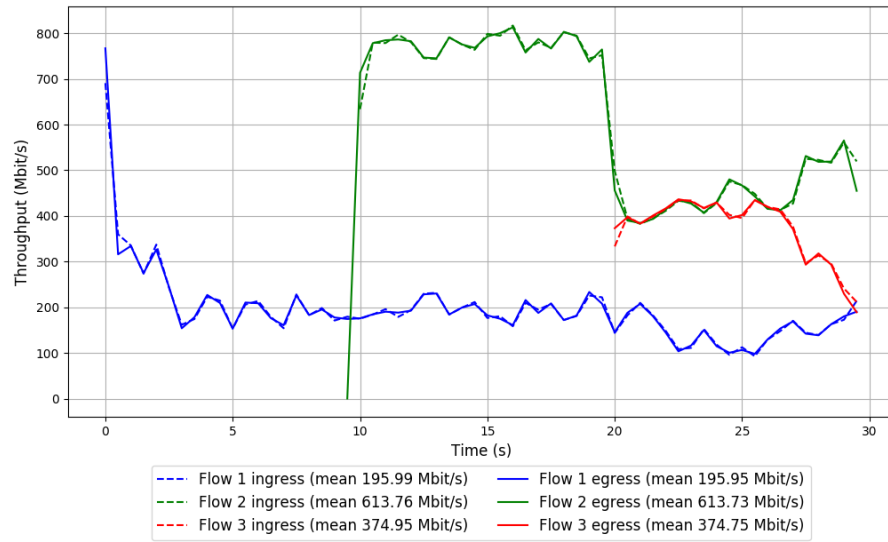


Run 5: Statistics of TCP Cubic

Start at: 2017-11-16 08:39:41
End at: 2017-11-16 08:40:11
Local clock offset: -0.218 ms
Remote clock offset: 35.907 ms

Below is generated by plot.py at 2017-11-16 14:20:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 729.00 Mbit/s
95th percentile per-packet one-way delay: -49.432 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 195.95 Mbit/s
95th percentile per-packet one-way delay: -49.559 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 613.73 Mbit/s
95th percentile per-packet one-way delay: -49.485 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 374.75 Mbit/s
95th percentile per-packet one-way delay: -49.275 ms
Loss rate: 0.05%

Run 5: Report of TCP Cubic — Data Link

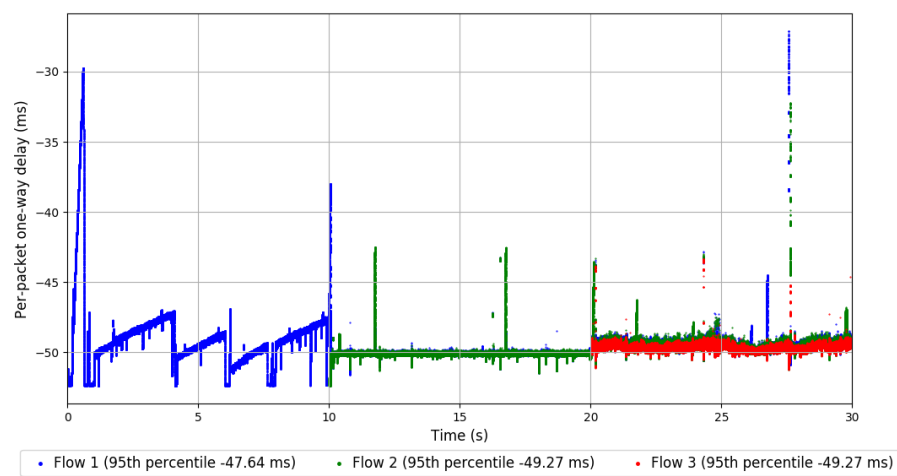
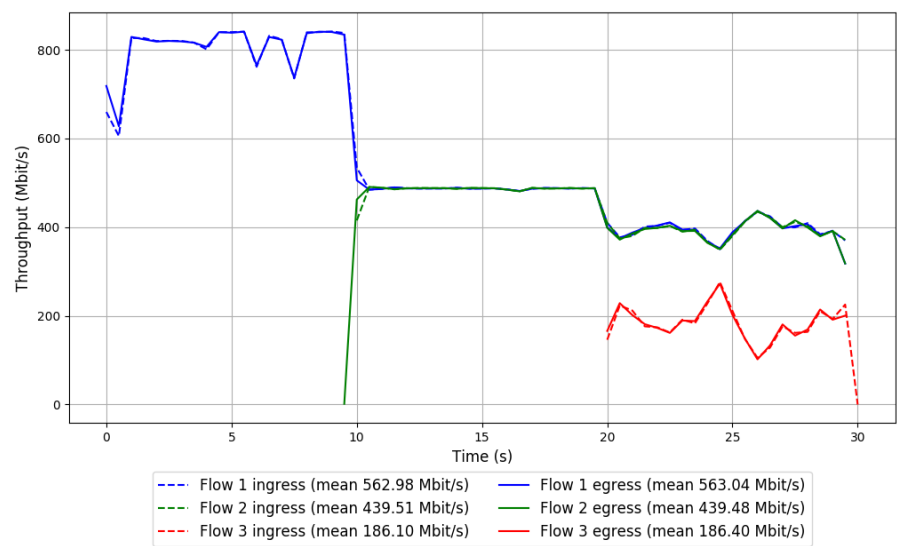


Run 6: Statistics of TCP Cubic

Start at: 2017-11-16 08:58:37
End at: 2017-11-16 08:59:07
Local clock offset: -0.303 ms
Remote clock offset: 36.227 ms

Below is generated by plot.py at 2017-11-16 14:20:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 917.44 Mbit/s
95th percentile per-packet one-way delay: -47.902 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 563.04 Mbit/s
95th percentile per-packet one-way delay: -47.641 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 439.48 Mbit/s
95th percentile per-packet one-way delay: -49.268 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 186.40 Mbit/s
95th percentile per-packet one-way delay: -49.265 ms
Loss rate: 0.12%

Run 6: Report of TCP Cubic — Data Link

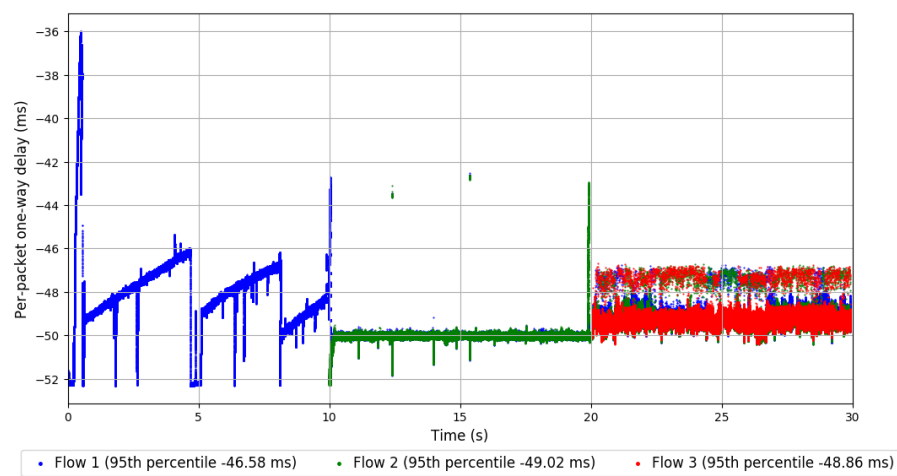
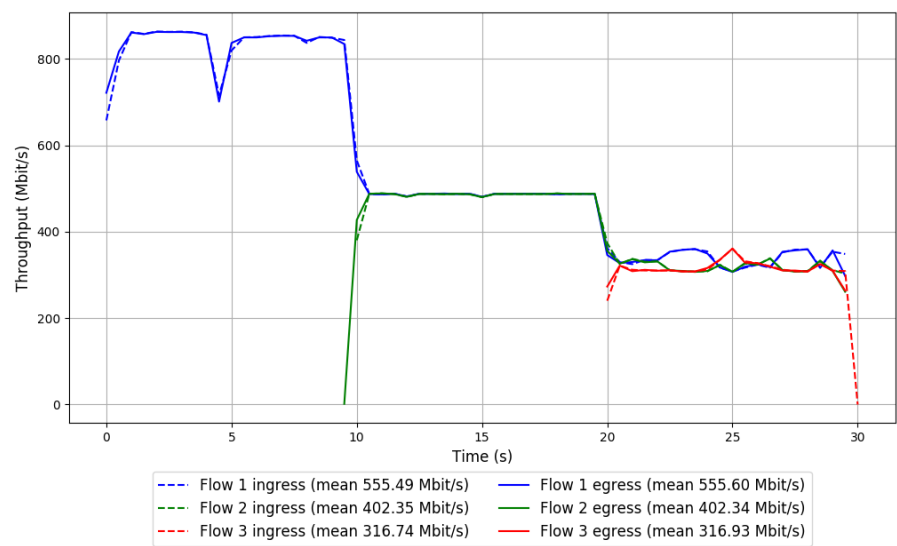


Run 7: Statistics of TCP Cubic

Start at: 2017-11-16 09:17:39
End at: 2017-11-16 09:18:09
Local clock offset: -0.334 ms
Remote clock offset: 36.223 ms

Below is generated by plot.py at 2017-11-16 14:28:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 928.43 Mbit/s
95th percentile per-packet one-way delay: -46.917 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 555.60 Mbit/s
95th percentile per-packet one-way delay: -46.582 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 402.34 Mbit/s
95th percentile per-packet one-way delay: -49.023 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 316.93 Mbit/s
95th percentile per-packet one-way delay: -48.860 ms
Loss rate: 0.23%

Run 7: Report of TCP Cubic — Data Link

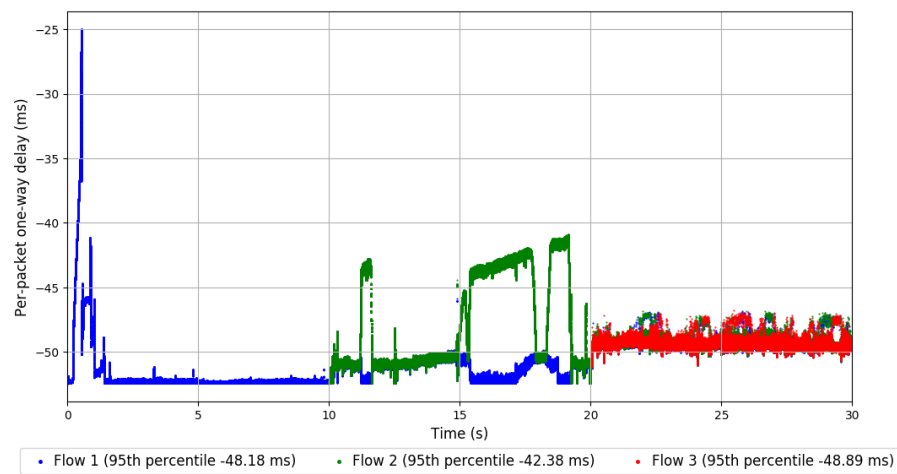
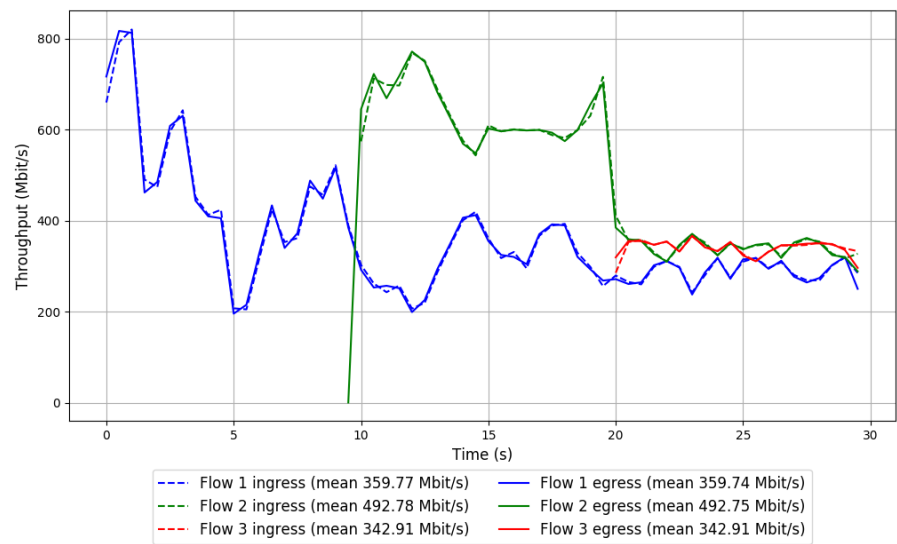


Run 8: Statistics of TCP Cubic

Start at: 2017-11-16 09:36:40
End at: 2017-11-16 09:37:10
Local clock offset: -0.326 ms
Remote clock offset: 35.619 ms

Below is generated by plot.py at 2017-11-16 14:28:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 801.46 Mbit/s
95th percentile per-packet one-way delay: -43.093 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 359.74 Mbit/s
95th percentile per-packet one-way delay: -48.176 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 492.75 Mbit/s
95th percentile per-packet one-way delay: -42.382 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 342.91 Mbit/s
95th percentile per-packet one-way delay: -48.893 ms
Loss rate: 0.08%

Run 8: Report of TCP Cubic — Data Link

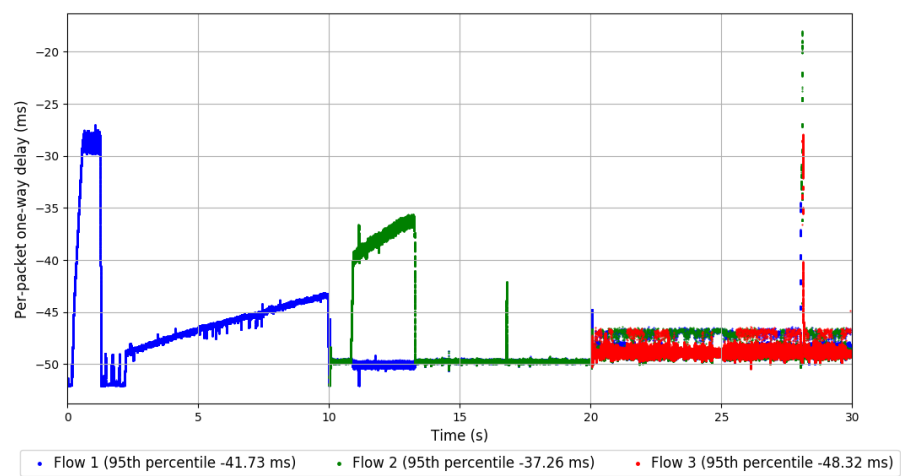
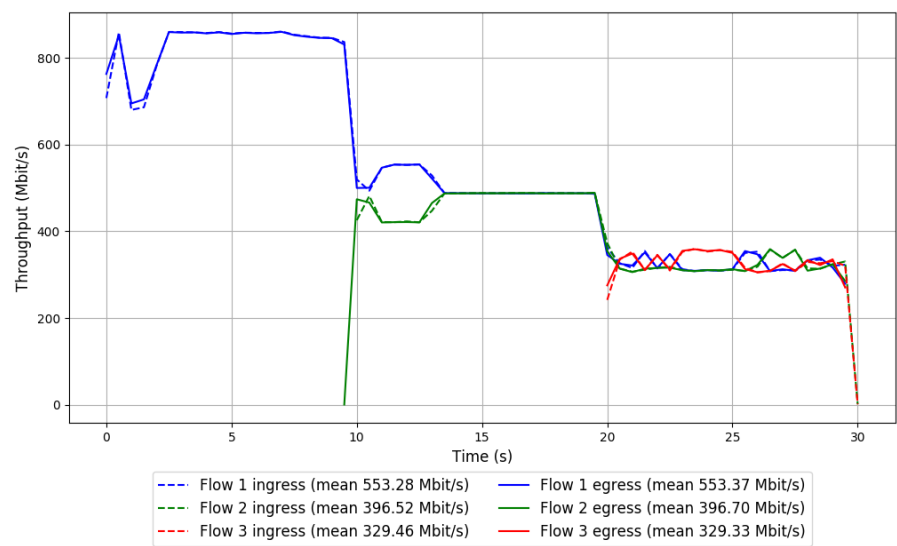


Run 9: Statistics of TCP Cubic

Start at: 2017-11-16 09:55:32
End at: 2017-11-16 09:56:02
Local clock offset: -0.28 ms
Remote clock offset: 34.991 ms

Below is generated by plot.py at 2017-11-16 14:30:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 926.52 Mbit/s
95th percentile per-packet one-way delay: -38.089 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 553.37 Mbit/s
95th percentile per-packet one-way delay: -41.729 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 396.70 Mbit/s
95th percentile per-packet one-way delay: -37.259 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 329.33 Mbit/s
95th percentile per-packet one-way delay: -48.316 ms
Loss rate: 0.24%

Run 9: Report of TCP Cubic — Data Link

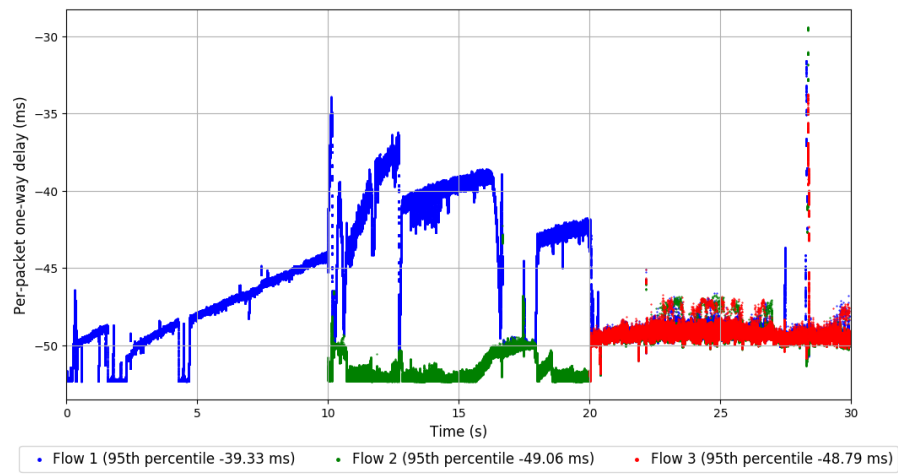
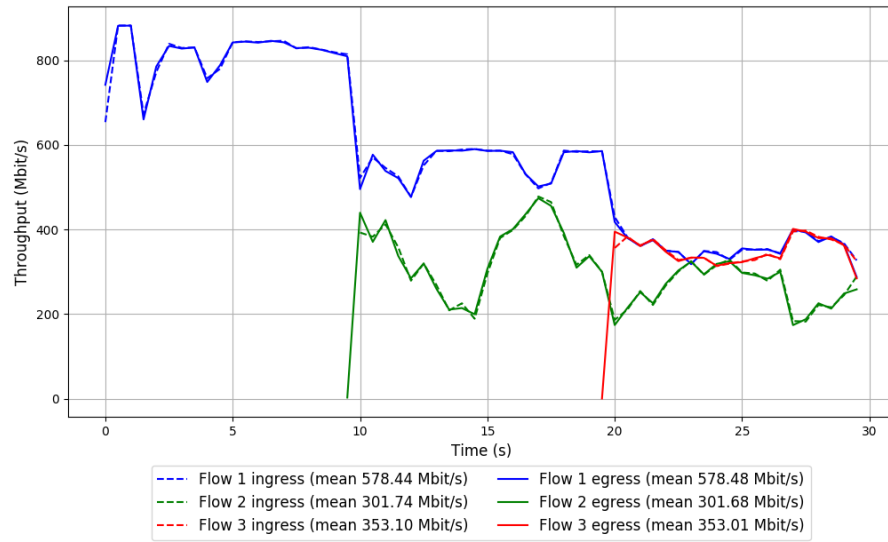


Run 10: Statistics of TCP Cubic

Start at: 2017-11-16 10:14:36
End at: 2017-11-16 10:15:06
Local clock offset: -0.229 ms
Remote clock offset: 35.504 ms

Below is generated by plot.py at 2017-11-16 14:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 896.74 Mbit/s
95th percentile per-packet one-way delay: -39.680 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 578.48 Mbit/s
95th percentile per-packet one-way delay: -39.334 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 301.68 Mbit/s
95th percentile per-packet one-way delay: -49.063 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 353.01 Mbit/s
95th percentile per-packet one-way delay: -48.790 ms
Loss rate: 0.07%

Run 10: Report of TCP Cubic — Data Link

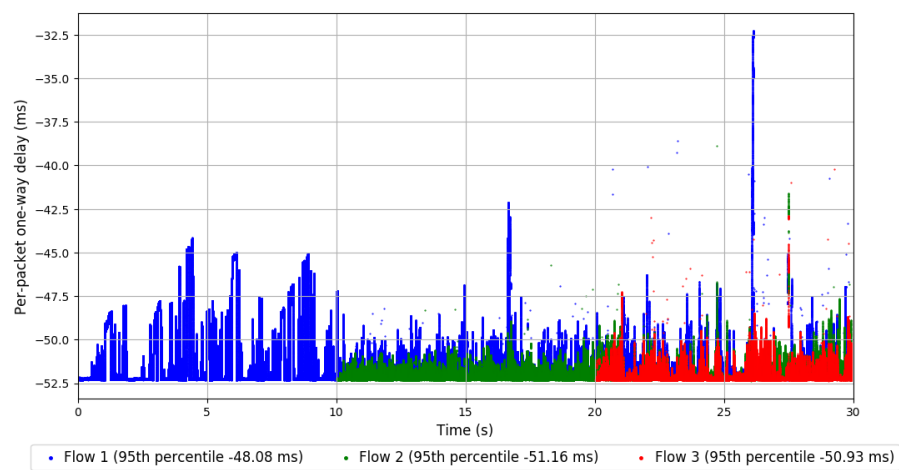
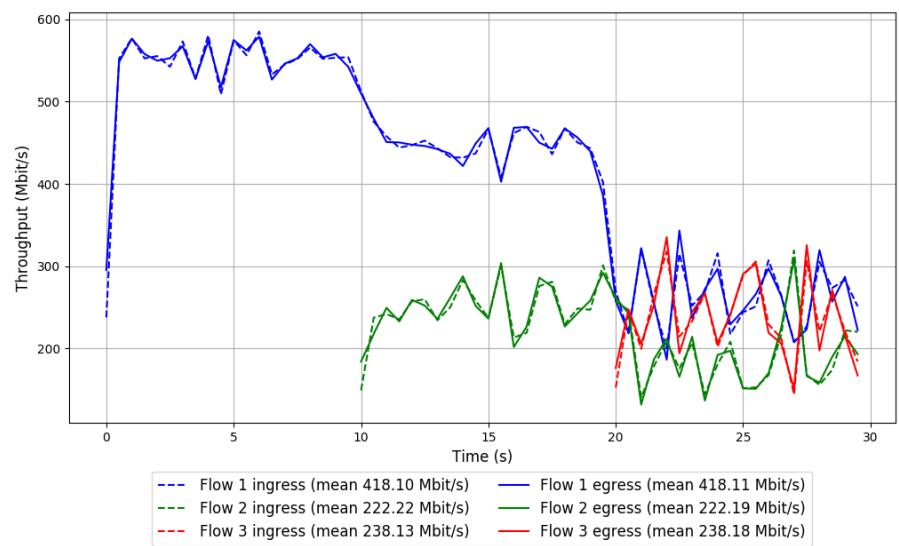


Run 1: Statistics of LEDBAT

Start at: 2017-11-16 07:22:50
End at: 2017-11-16 07:23:20
Local clock offset: 0.602 ms
Remote clock offset: 33.055 ms

Below is generated by plot.py at 2017-11-16 14:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 644.78 Mbit/s
95th percentile per-packet one-way delay: -48.693 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 418.11 Mbit/s
95th percentile per-packet one-way delay: -48.083 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 222.19 Mbit/s
95th percentile per-packet one-way delay: -51.165 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 238.18 Mbit/s
95th percentile per-packet one-way delay: -50.929 ms
Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link

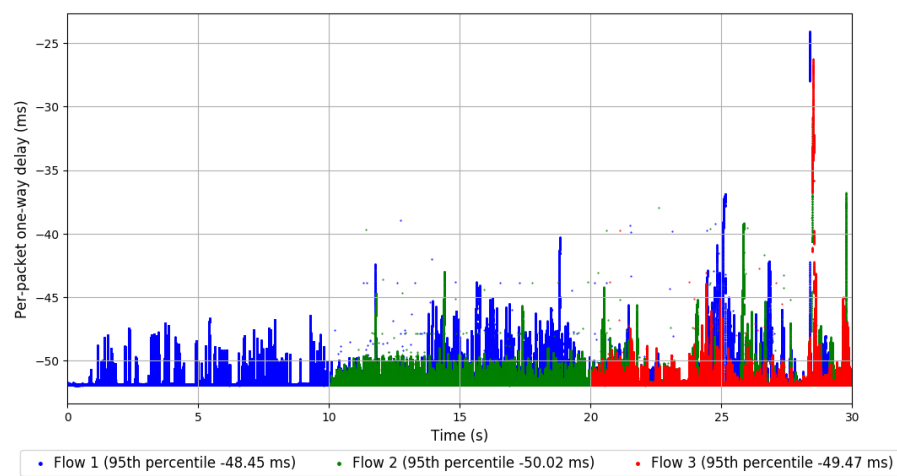
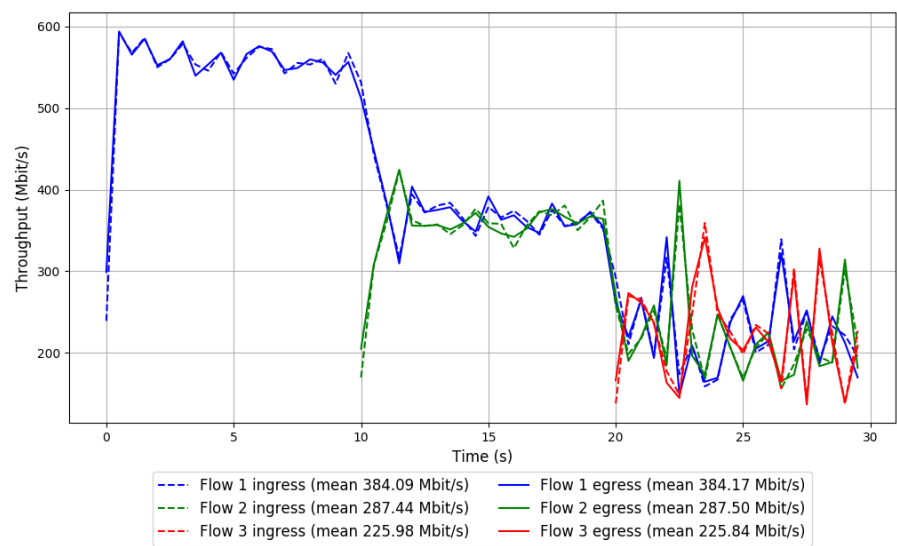


Run 2: Statistics of LEDBAT

Start at: 2017-11-16 07:41:26
End at: 2017-11-16 07:41:56
Local clock offset: 0.352 ms
Remote clock offset: 33.318 ms

Below is generated by plot.py at 2017-11-16 14:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 650.29 Mbit/s
95th percentile per-packet one-way delay: -48.897 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 384.17 Mbit/s
95th percentile per-packet one-way delay: -48.451 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 287.50 Mbit/s
95th percentile per-packet one-way delay: -50.022 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 225.84 Mbit/s
95th percentile per-packet one-way delay: -49.474 ms
Loss rate: 0.11%

Run 2: Report of LEDBAT — Data Link

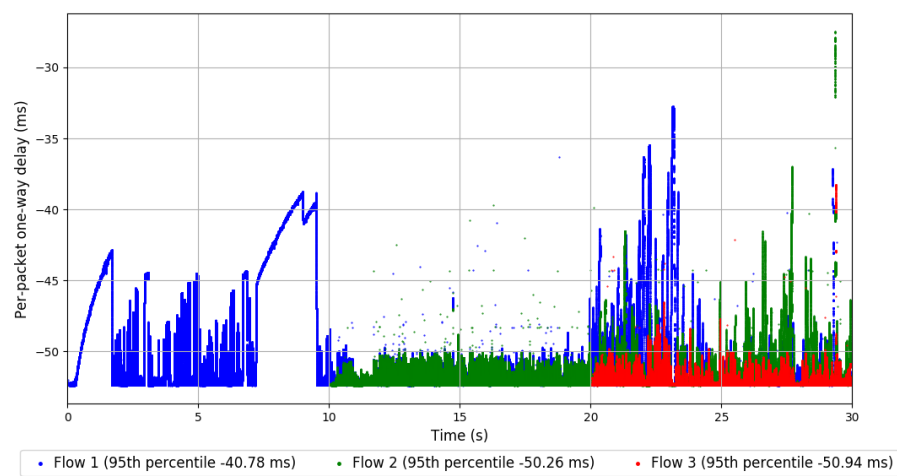
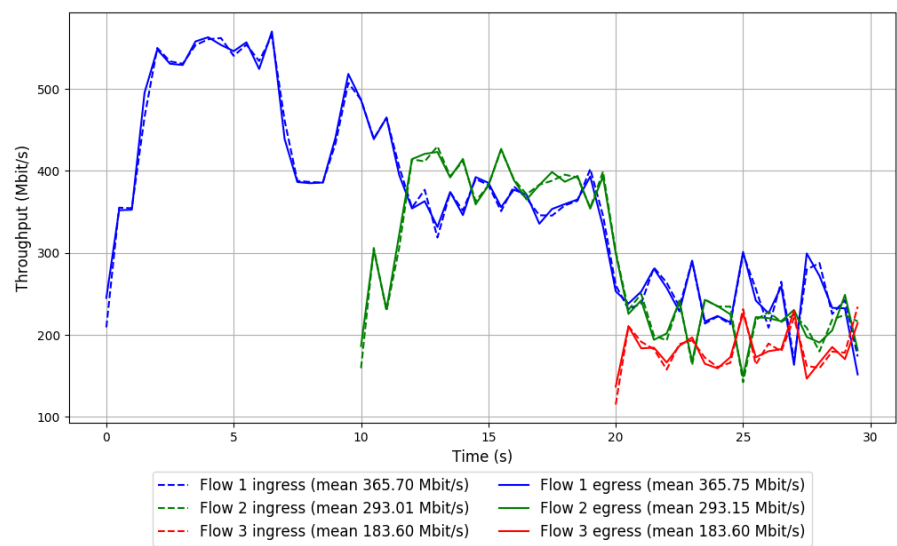


Run 3: Statistics of LEDBAT

Start at: 2017-11-16 08:00:19
End at: 2017-11-16 08:00:49
Local clock offset: 0.085 ms
Remote clock offset: 34.462 ms

Below is generated by plot.py at 2017-11-16 14:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 621.56 Mbit/s
95th percentile per-packet one-way delay: -43.210 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 365.75 Mbit/s
95th percentile per-packet one-way delay: -40.778 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 293.15 Mbit/s
95th percentile per-packet one-way delay: -50.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 183.60 Mbit/s
95th percentile per-packet one-way delay: -50.942 ms
Loss rate: 0.05%

Run 3: Report of LEDBAT — Data Link

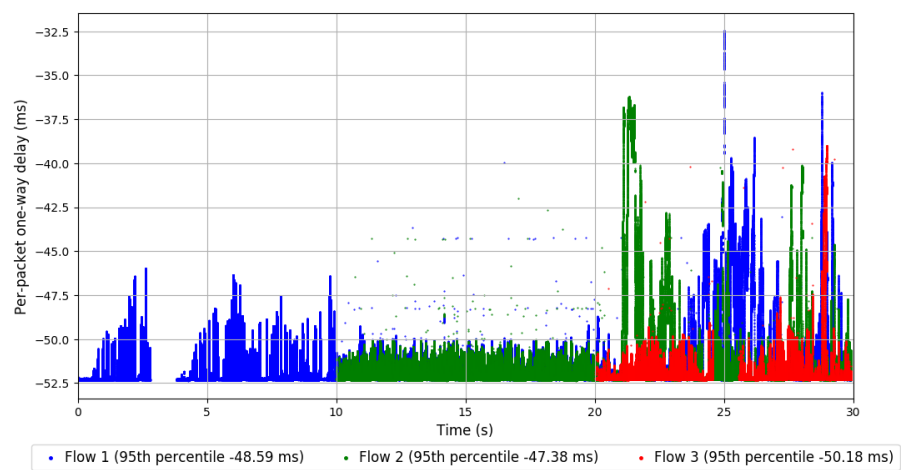
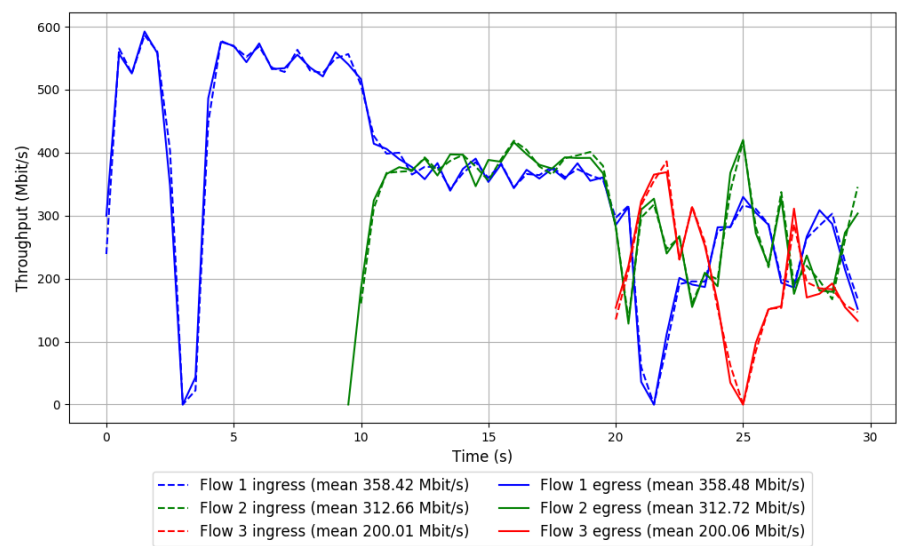


Run 4: Statistics of LEDBAT

Start at: 2017-11-16 08:19:04
End at: 2017-11-16 08:19:34
Local clock offset: -0.081 ms
Remote clock offset: 35.232 ms

Below is generated by plot.py at 2017-11-16 14:30:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 633.02 Mbit/s
95th percentile per-packet one-way delay: -48.497 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 358.48 Mbit/s
95th percentile per-packet one-way delay: -48.587 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 312.72 Mbit/s
95th percentile per-packet one-way delay: -47.378 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 200.06 Mbit/s
95th percentile per-packet one-way delay: -50.179 ms
Loss rate: 0.03%

Run 4: Report of LEDBAT — Data Link

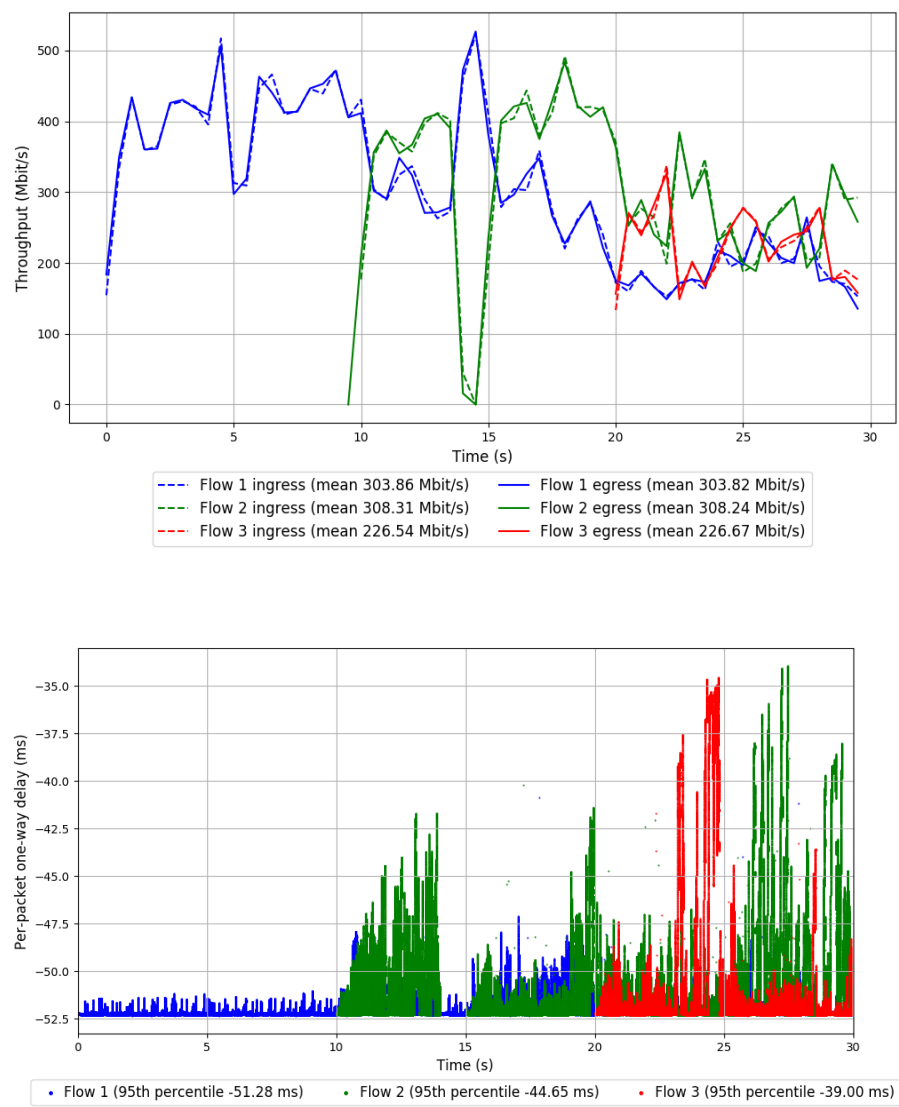


Run 5: Statistics of LEDBAT

Start at: 2017-11-16 08:38:07
End at: 2017-11-16 08:38:37
Local clock offset: -0.198 ms
Remote clock offset: 35.871 ms

Below is generated by plot.py at 2017-11-16 14:36:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 584.15 Mbit/s
95th percentile per-packet one-way delay: -47.454 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 303.82 Mbit/s
95th percentile per-packet one-way delay: -51.282 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 308.24 Mbit/s
95th percentile per-packet one-way delay: -44.654 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 226.67 Mbit/s
95th percentile per-packet one-way delay: -38.999 ms
Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link

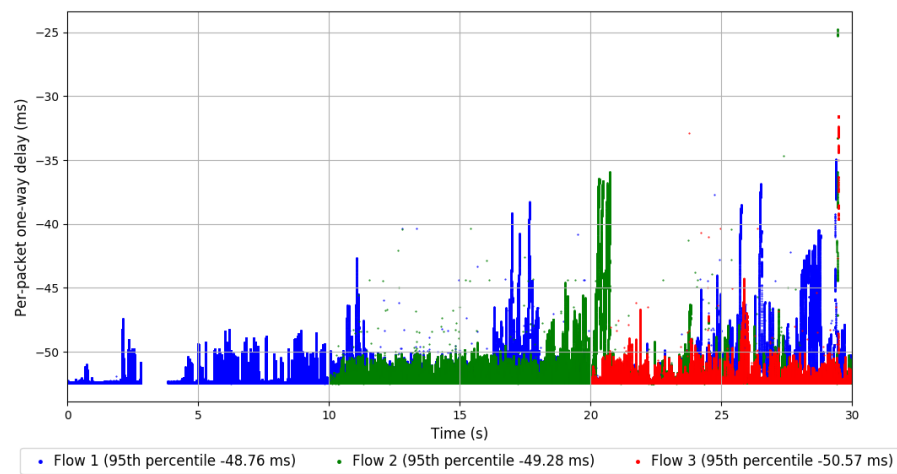
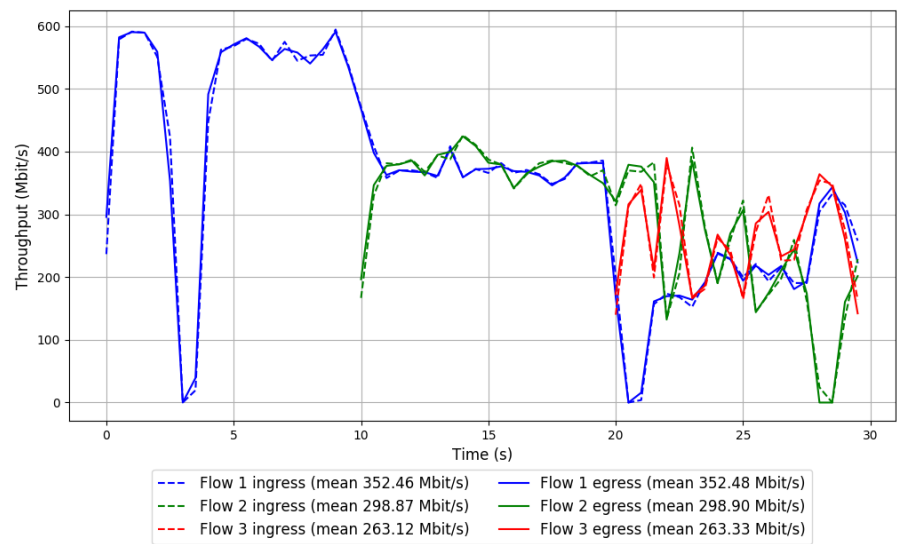


Run 6: Statistics of LEDBAT

Start at: 2017-11-16 08:57:02
End at: 2017-11-16 08:57:32
Local clock offset: -0.375 ms
Remote clock offset: 36.203 ms

Below is generated by plot.py at 2017-11-16 14:37:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 638.60 Mbit/s
95th percentile per-packet one-way delay: -49.091 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 352.48 Mbit/s
95th percentile per-packet one-way delay: -48.764 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 298.90 Mbit/s
95th percentile per-packet one-way delay: -49.279 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 263.33 Mbit/s
95th percentile per-packet one-way delay: -50.566 ms
Loss rate: 0.03%

Run 6: Report of LEDBAT — Data Link

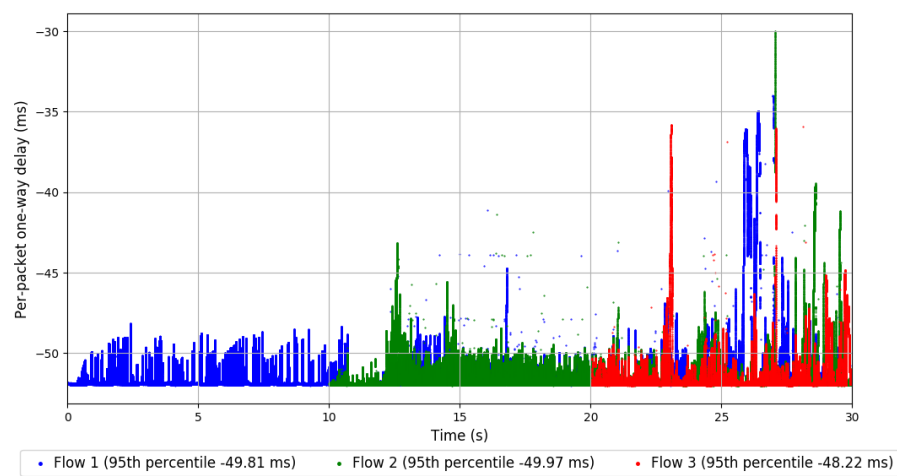
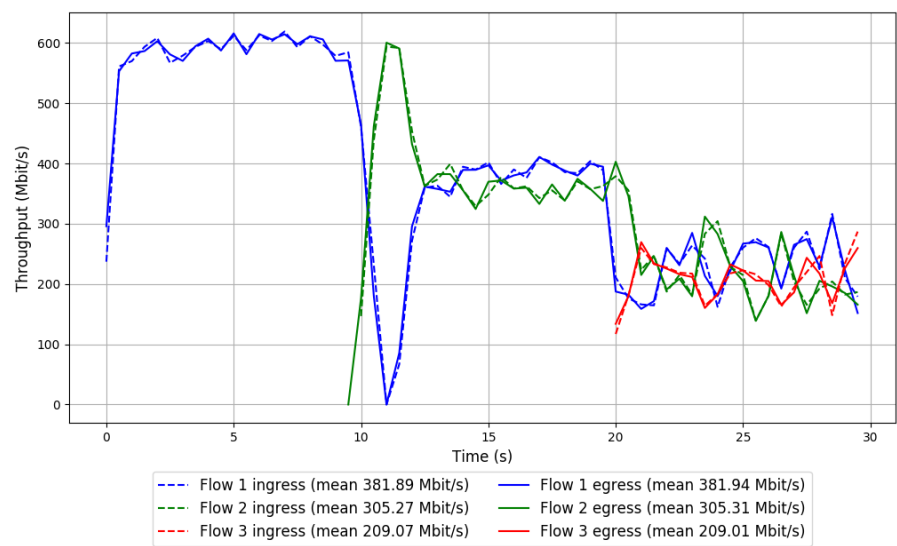


Run 7: Statistics of LEDBAT

Start at: 2017-11-16 09:16:04
End at: 2017-11-16 09:16:34
Local clock offset: -0.343 ms
Remote clock offset: 35.927 ms

Below is generated by plot.py at 2017-11-16 14:38:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 654.56 Mbit/s
95th percentile per-packet one-way delay: -49.763 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 381.94 Mbit/s
95th percentile per-packet one-way delay: -49.813 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 305.31 Mbit/s
95th percentile per-packet one-way delay: -49.969 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 209.01 Mbit/s
95th percentile per-packet one-way delay: -48.216 ms
Loss rate: 0.08%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-11-16 09:35:03

End at: 2017-11-16 09:35:33

Local clock offset: -0.34 ms

Remote clock offset: 35.24 ms

Below is generated by plot.py at 2017-11-16 14:38:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 641.75 Mbit/s

95th percentile per-packet one-way delay: -45.721 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 373.16 Mbit/s

95th percentile per-packet one-way delay: -45.517 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 307.03 Mbit/s

95th percentile per-packet one-way delay: -45.767 ms

Loss rate: 0.04%

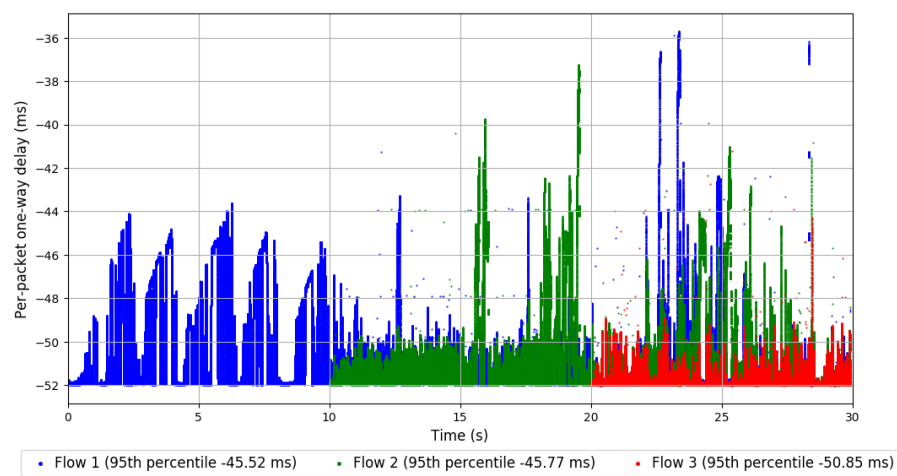
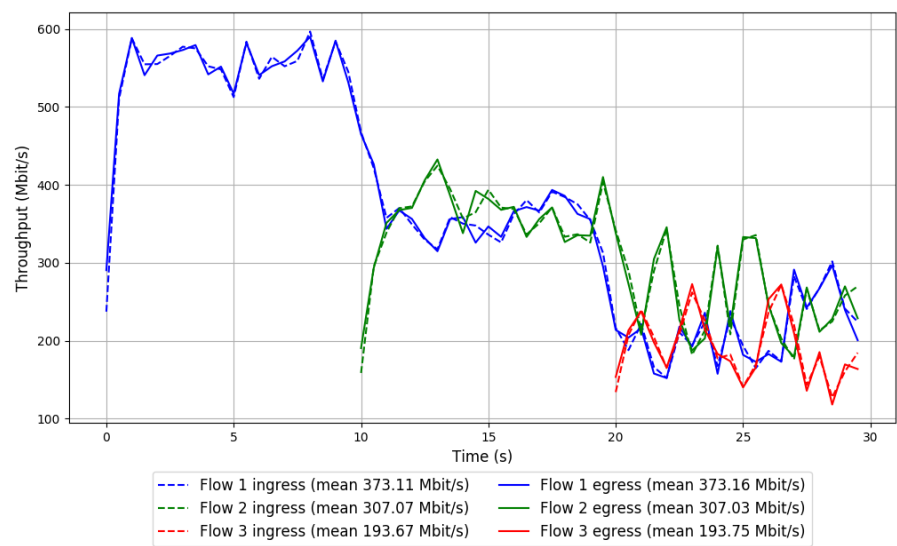
-- Flow 3:

Average throughput: 193.75 Mbit/s

95th percentile per-packet one-way delay: -50.847 ms

Loss rate: 0.04%

Run 8: Report of LEDBAT — Data Link

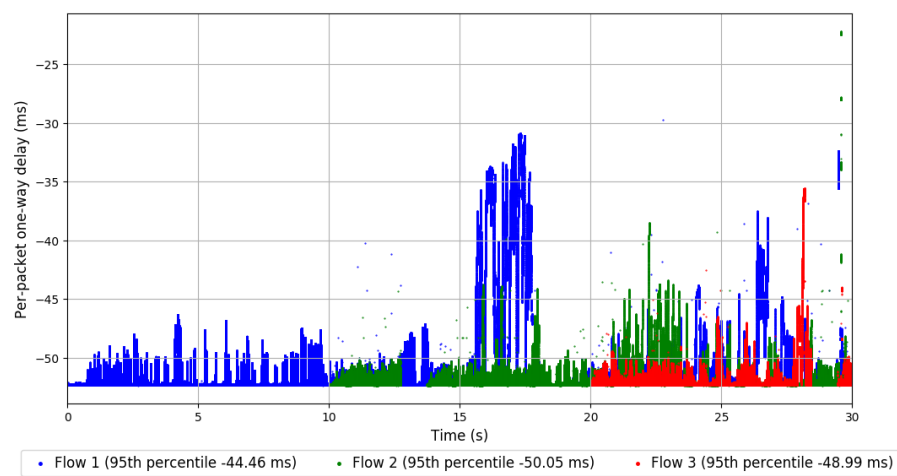
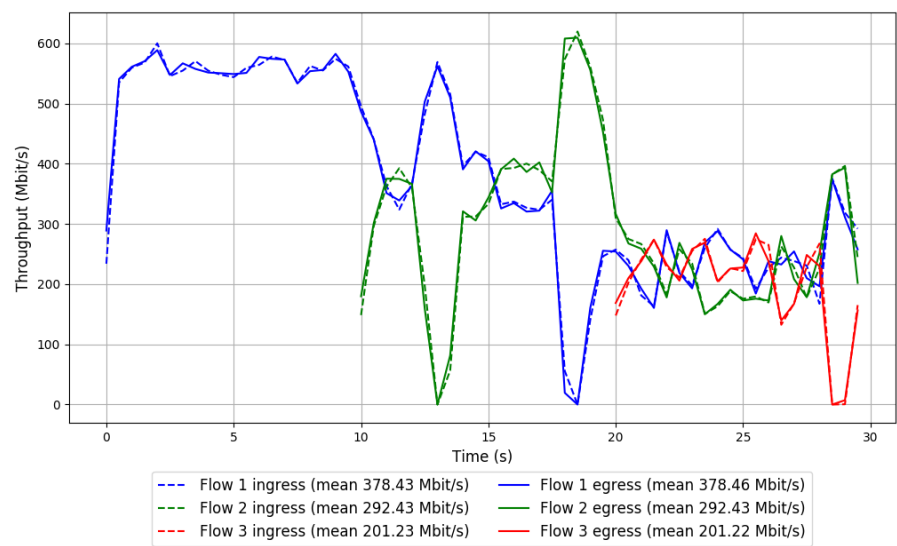


Run 9: Statistics of LEDBAT

Start at: 2017-11-16 09:53:56
End at: 2017-11-16 09:54:26
Local clock offset: -0.327 ms
Remote clock offset: 35.213 ms

Below is generated by plot.py at 2017-11-16 14:38:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 639.66 Mbit/s
95th percentile per-packet one-way delay: -47.389 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 378.46 Mbit/s
95th percentile per-packet one-way delay: -44.460 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 292.43 Mbit/s
95th percentile per-packet one-way delay: -50.053 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 201.22 Mbit/s
95th percentile per-packet one-way delay: -48.992 ms
Loss rate: 0.05%

Run 9: Report of LEDBAT — Data Link

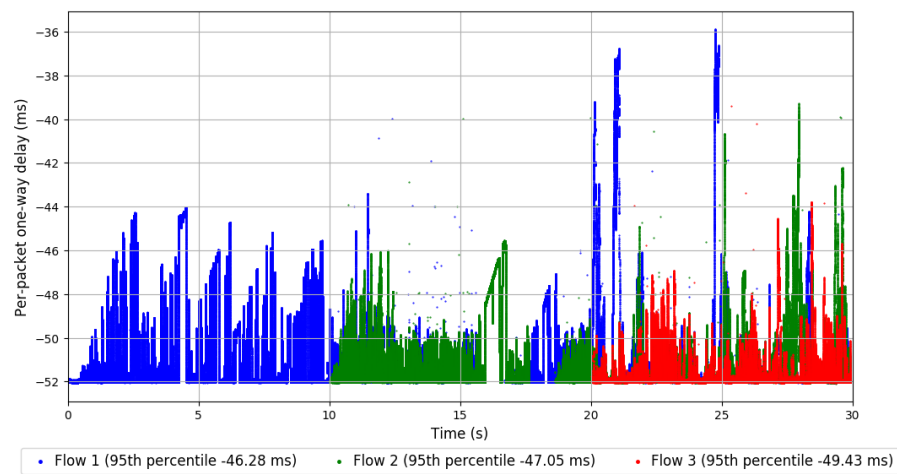
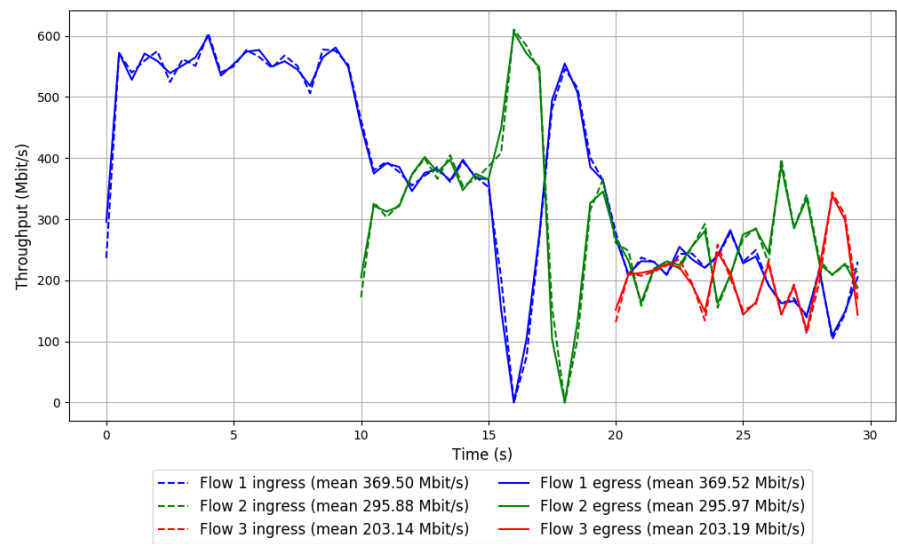


Run 10: Statistics of LEDBAT

Start at: 2017-11-16 10:13:01
End at: 2017-11-16 10:13:31
Local clock offset: -0.228 ms
Remote clock offset: 35.193 ms

Below is generated by plot.py at 2017-11-16 14:38:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 633.74 Mbit/s
95th percentile per-packet one-way delay: -46.679 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 369.52 Mbit/s
95th percentile per-packet one-way delay: -46.277 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 295.97 Mbit/s
95th percentile per-packet one-way delay: -47.045 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 203.19 Mbit/s
95th percentile per-packet one-way delay: -49.434 ms
Loss rate: 0.03%

Run 10: Report of LEDBAT — Data Link

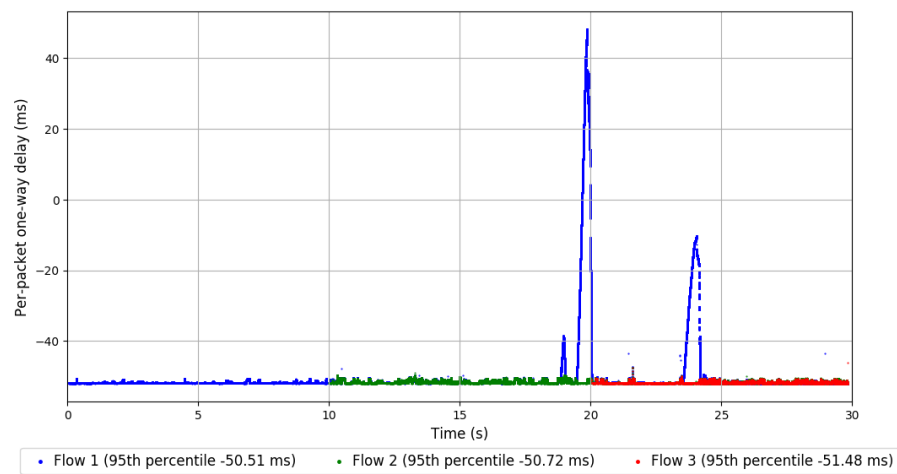
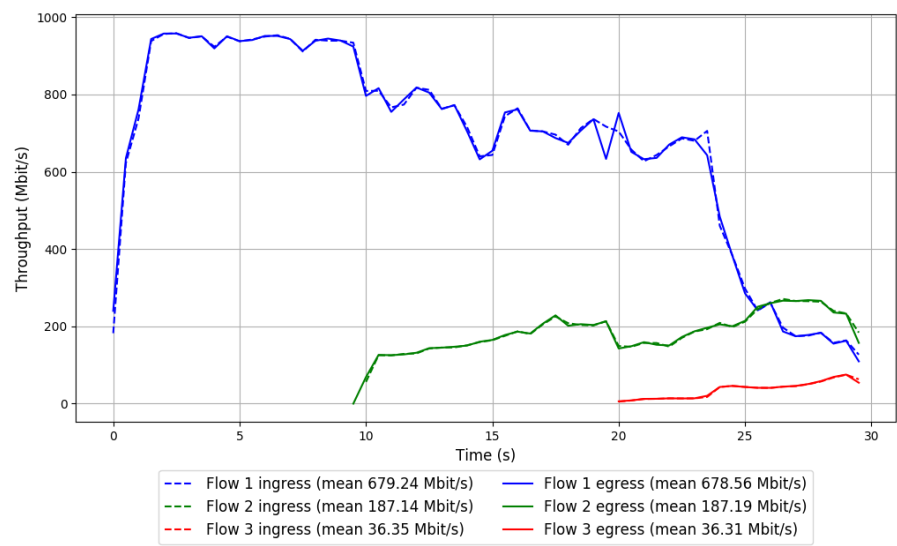


Run 1: Statistics of PCC

Start at: 2017-11-16 07:19:40
End at: 2017-11-16 07:20:10
Local clock offset: 0.652 ms
Remote clock offset: 32.713 ms

Below is generated by plot.py at 2017-11-16 14:41:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 814.83 Mbit/s
95th percentile per-packet one-way delay: -50.568 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 678.56 Mbit/s
95th percentile per-packet one-way delay: -50.508 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 187.19 Mbit/s
95th percentile per-packet one-way delay: -50.717 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: -51.477 ms
Loss rate: 0.10%

Run 1: Report of PCC — Data Link

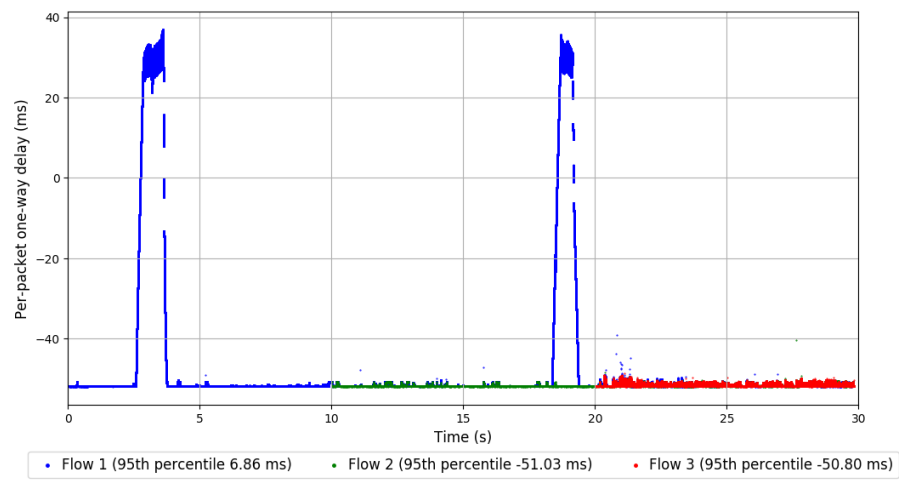
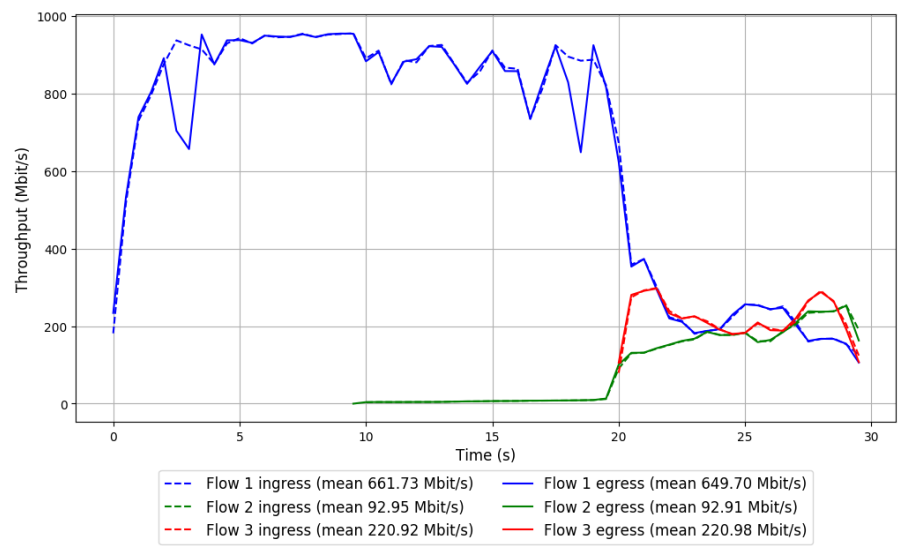


Run 2: Statistics of PCC

Start at: 2017-11-16 07:38:28
End at: 2017-11-16 07:38:58
Local clock offset: 0.383 ms
Remote clock offset: 33.193 ms

Below is generated by plot.py at 2017-11-16 14:41:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 784.19 Mbit/s
95th percentile per-packet one-way delay: -17.242 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 649.70 Mbit/s
95th percentile per-packet one-way delay: 6.856 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: -51.029 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 220.98 Mbit/s
95th percentile per-packet one-way delay: -50.805 ms
Loss rate: 0.02%

Run 2: Report of PCC — Data Link

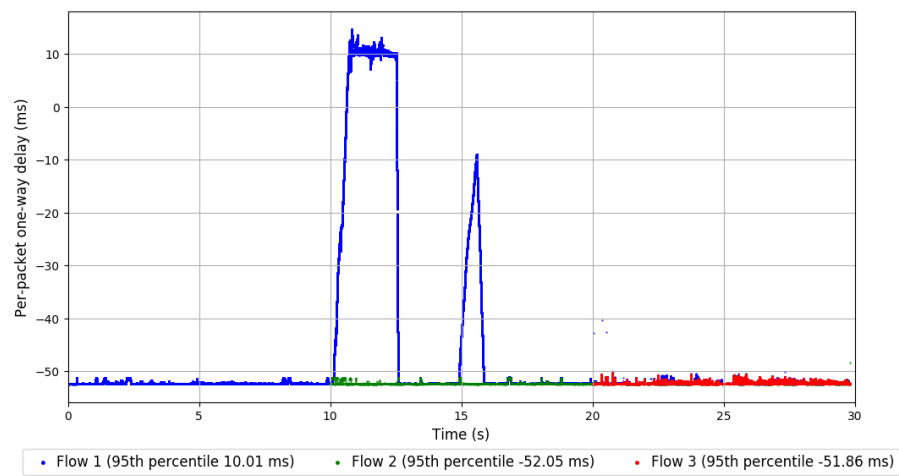
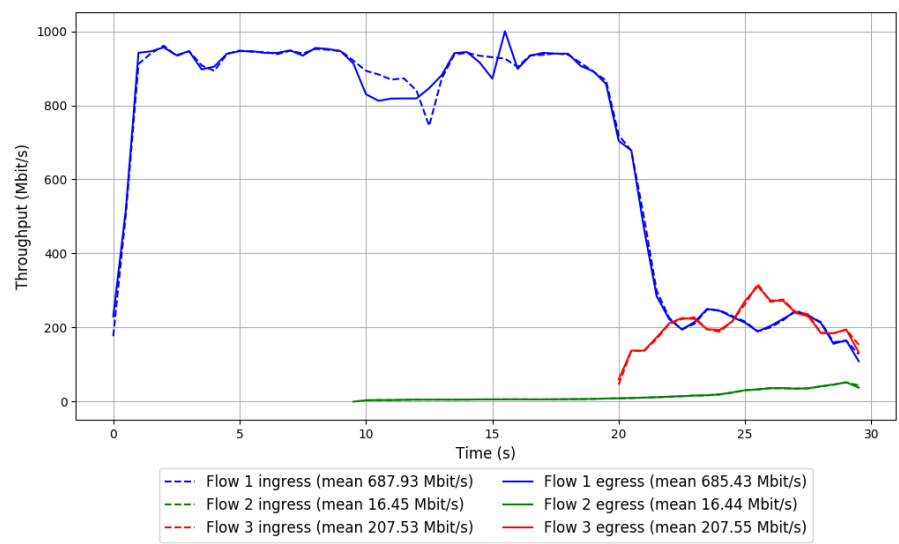


Run 3: Statistics of PCC

Start at: 2017-11-16 07:57:10
End at: 2017-11-16 07:57:40
Local clock offset: 0.067 ms
Remote clock offset: 34.298 ms

Below is generated by plot.py at 2017-11-16 14:47:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 764.53 Mbit/s
95th percentile per-packet one-way delay: 9.920 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 685.43 Mbit/s
95th percentile per-packet one-way delay: 10.013 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: -52.054 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 207.55 Mbit/s
95th percentile per-packet one-way delay: -51.856 ms
Loss rate: 0.03%

Run 3: Report of PCC — Data Link

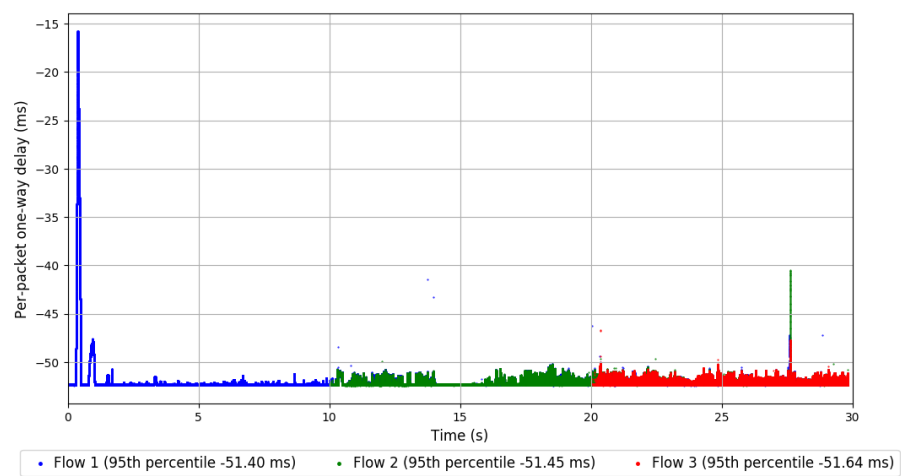
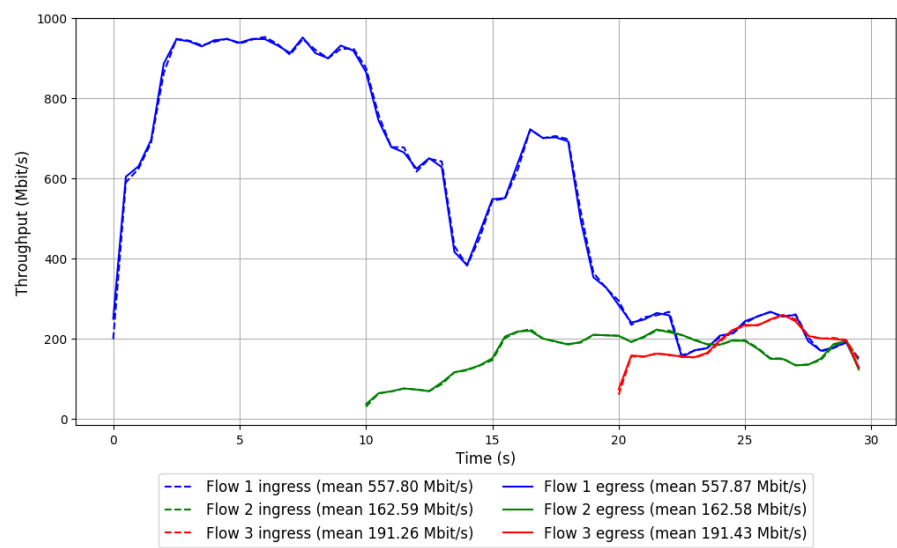


Run 4: Statistics of PCC

Start at: 2017-11-16 08:15:55
End at: 2017-11-16 08:16:25
Local clock offset: -0.049 ms
Remote clock offset: 35.159 ms

Below is generated by plot.py at 2017-11-16 14:47:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 728.80 Mbit/s
95th percentile per-packet one-way delay: -51.435 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 557.87 Mbit/s
95th percentile per-packet one-way delay: -51.401 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 162.58 Mbit/s
95th percentile per-packet one-way delay: -51.454 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 191.43 Mbit/s
95th percentile per-packet one-way delay: -51.636 ms
Loss rate: 0.00%

Run 4: Report of PCC — Data Link

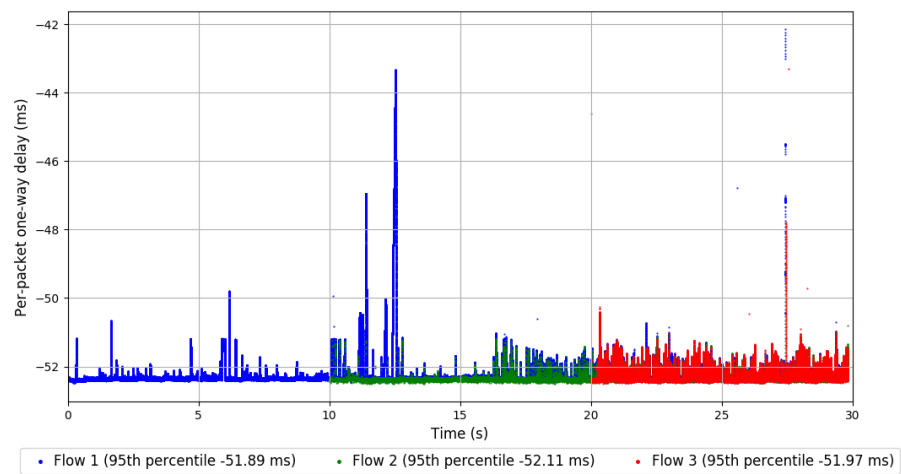
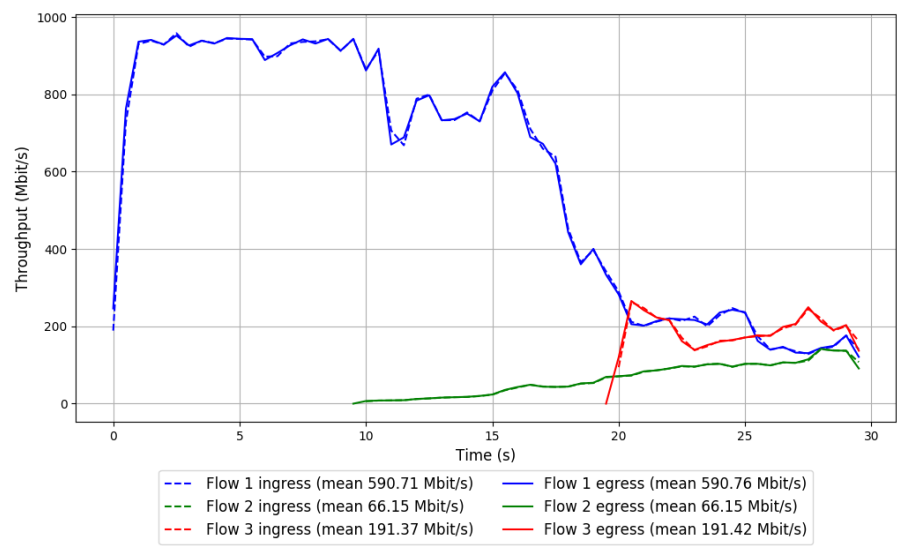


Run 5: Statistics of PCC

Start at: 2017-11-16 08:34:59
End at: 2017-11-16 08:35:29
Local clock offset: -0.249 ms
Remote clock offset: 35.839 ms

Below is generated by plot.py at 2017-11-16 14:48:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 697.82 Mbit/s
95th percentile per-packet one-way delay: -51.934 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 590.76 Mbit/s
95th percentile per-packet one-way delay: -51.893 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 66.15 Mbit/s
95th percentile per-packet one-way delay: -52.114 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 191.42 Mbit/s
95th percentile per-packet one-way delay: -51.969 ms
Loss rate: 0.02%

Run 5: Report of PCC — Data Link

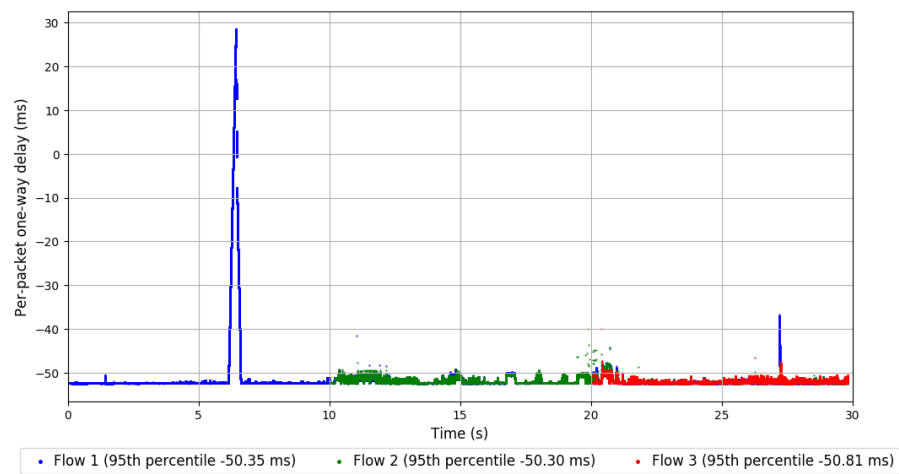
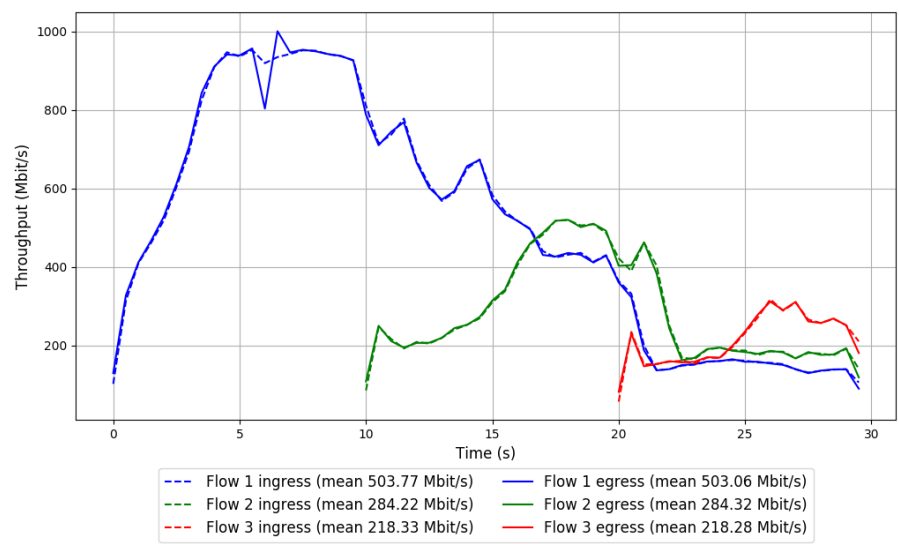


Run 6: Statistics of PCC

Start at: 2017-11-16 08:53:53
End at: 2017-11-16 08:54:23
Local clock offset: -0.249 ms
Remote clock offset: 36.166 ms

Below is generated by plot.py at 2017-11-16 14:49:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 763.52 Mbit/s
95th percentile per-packet one-way delay: -50.336 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 503.06 Mbit/s
95th percentile per-packet one-way delay: -50.353 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 284.32 Mbit/s
95th percentile per-packet one-way delay: -50.304 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 218.28 Mbit/s
95th percentile per-packet one-way delay: -50.814 ms
Loss rate: 0.07%

Run 6: Report of PCC — Data Link

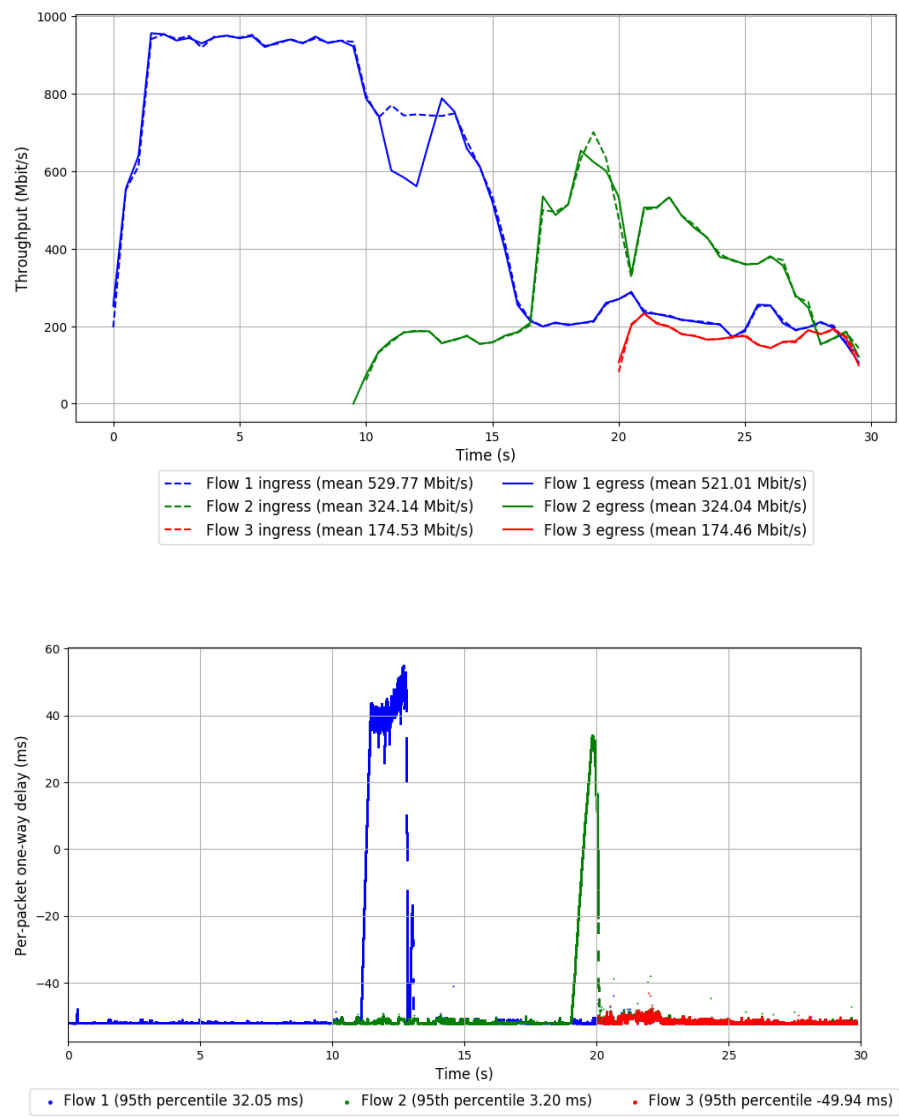


Run 7: Statistics of PCC

Start at: 2017-11-16 09:12:55
End at: 2017-11-16 09:13:25
Local clock offset: -0.398 ms
Remote clock offset: 36.117 ms

Below is generated by plot.py at 2017-11-16 14:50:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 793.94 Mbit/s
95th percentile per-packet one-way delay: 5.262 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 521.01 Mbit/s
95th percentile per-packet one-way delay: 32.053 ms
Loss rate: 1.68%
-- Flow 2:
Average throughput: 324.04 Mbit/s
95th percentile per-packet one-way delay: 3.196 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 174.46 Mbit/s
95th percentile per-packet one-way delay: -49.938 ms
Loss rate: 0.08%

Run 7: Report of PCC — Data Link

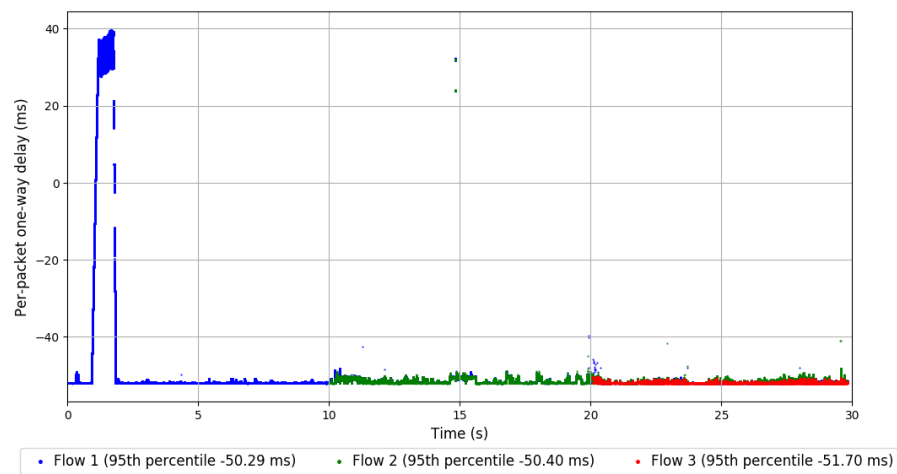
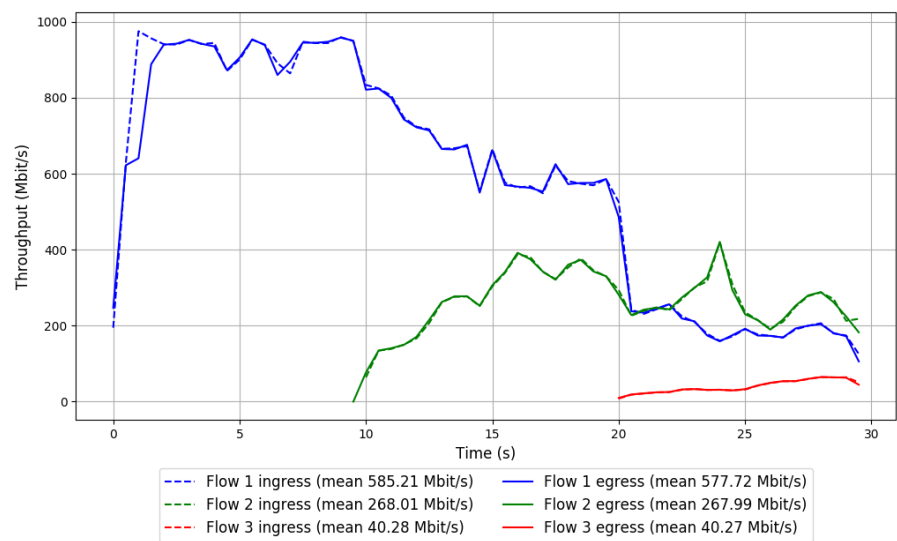


Run 8: Statistics of PCC

Start at: 2017-11-16 09:31:54
End at: 2017-11-16 09:32:24
Local clock offset: -0.321 ms
Remote clock offset: 35.444 ms

Below is generated by plot.py at 2017-11-16 14:50:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 769.22 Mbit/s
95th percentile per-packet one-way delay: -50.337 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 577.72 Mbit/s
95th percentile per-packet one-way delay: -50.286 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 267.99 Mbit/s
95th percentile per-packet one-way delay: -50.400 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 40.27 Mbit/s
95th percentile per-packet one-way delay: -51.697 ms
Loss rate: 0.08%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-11-16 09:50:47

End at: 2017-11-16 09:51:17

Local clock offset: -0.28 ms

Remote clock offset: 34.89 ms

Below is generated by plot.py at 2017-11-16 14:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 787.20 Mbit/s

95th percentile per-packet one-way delay: -50.490 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 586.78 Mbit/s

95th percentile per-packet one-way delay: -50.604 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 277.91 Mbit/s

95th percentile per-packet one-way delay: -50.331 ms

Loss rate: 0.02%

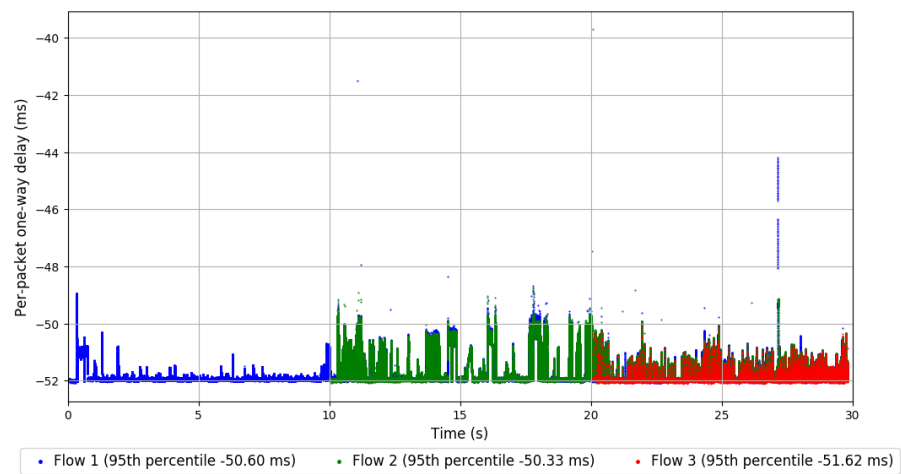
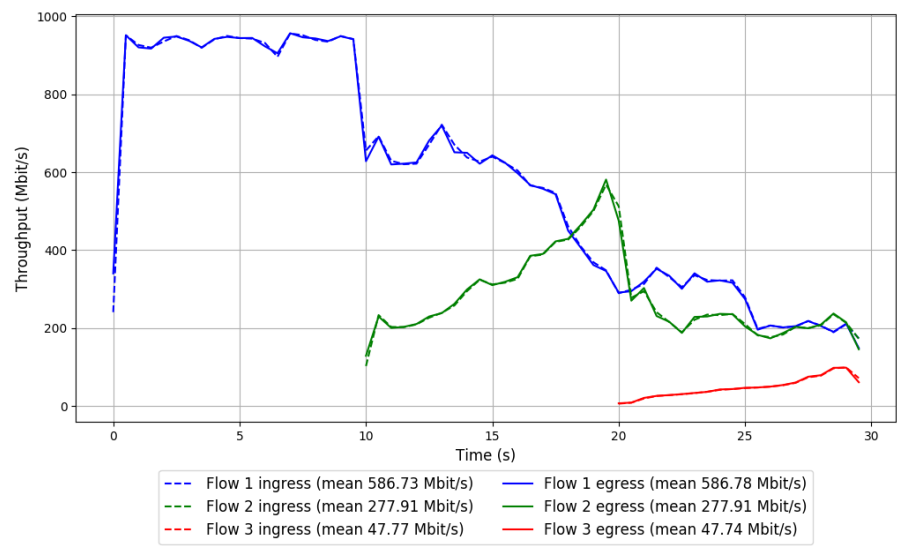
-- Flow 3:

Average throughput: 47.74 Mbit/s

95th percentile per-packet one-way delay: -51.619 ms

Loss rate: 0.10%

Run 9: Report of PCC — Data Link

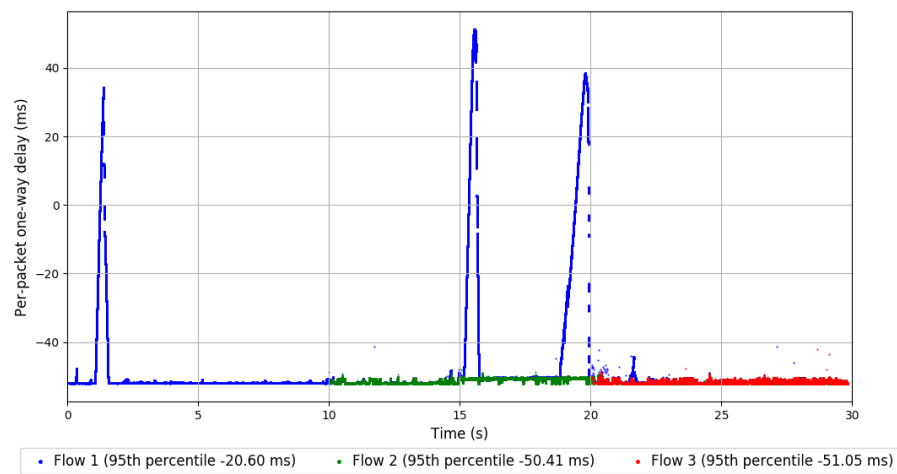
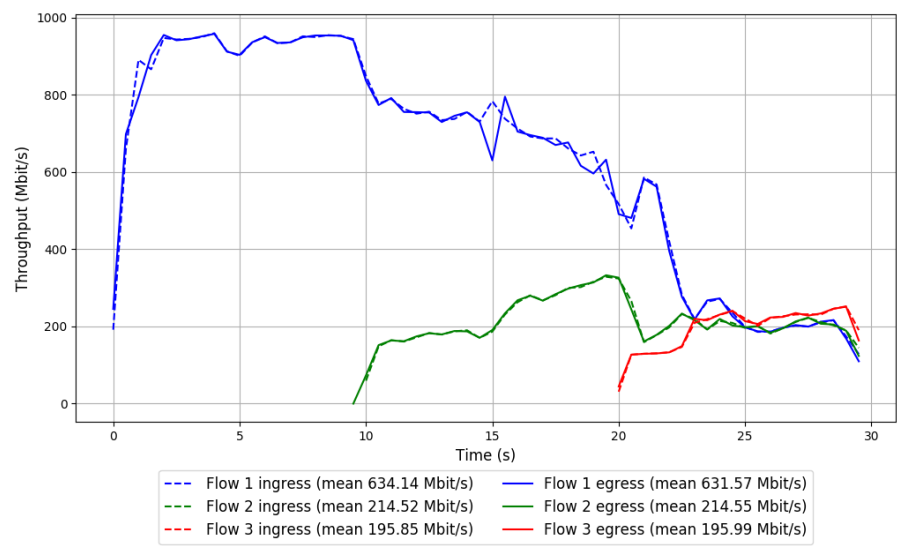


Run 10: Statistics of PCC

Start at: 2017-11-16 10:09:48
End at: 2017-11-16 10:10:18
Local clock offset: -0.234 ms
Remote clock offset: 35.139 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 838.73 Mbit/s
95th percentile per-packet one-way delay: -37.516 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 631.57 Mbit/s
95th percentile per-packet one-way delay: -20.596 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 214.55 Mbit/s
95th percentile per-packet one-way delay: -50.405 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 195.99 Mbit/s
95th percentile per-packet one-way delay: -51.049 ms
Loss rate: 0.06%

Run 10: Report of PCC — Data Link

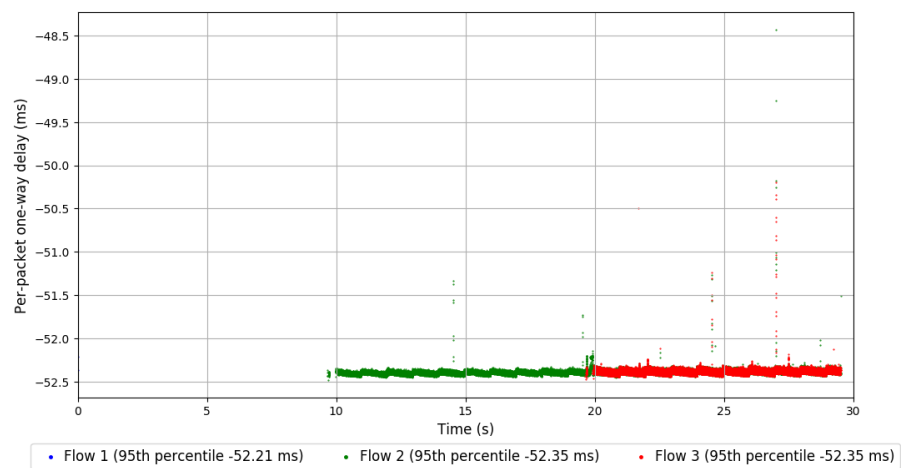
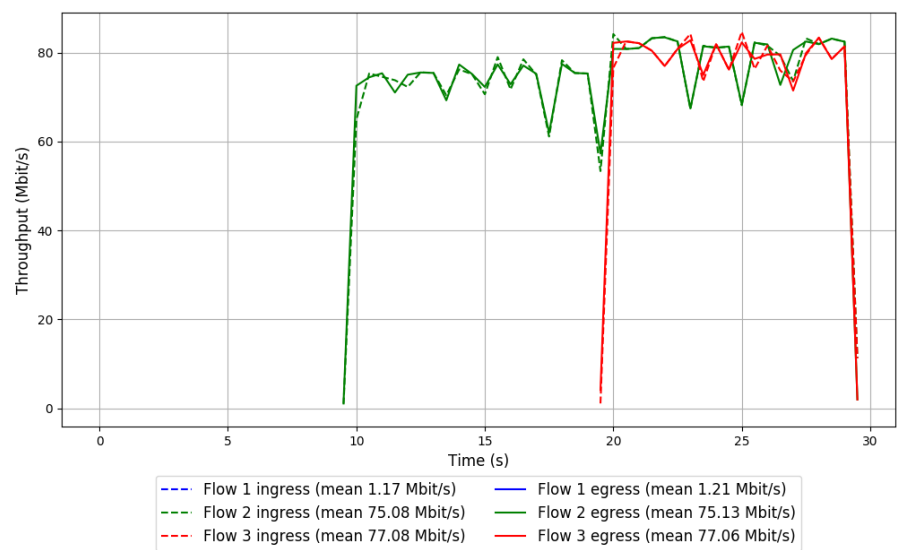


Run 1: Statistics of QUIC Cubic

Start at: 2017-11-16 07:33:28
End at: 2017-11-16 07:33:58
Local clock offset: 0.368 ms
Remote clock offset: 33.381 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: -52.351 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: -52.208 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: -52.354 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: -52.346 ms
Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link

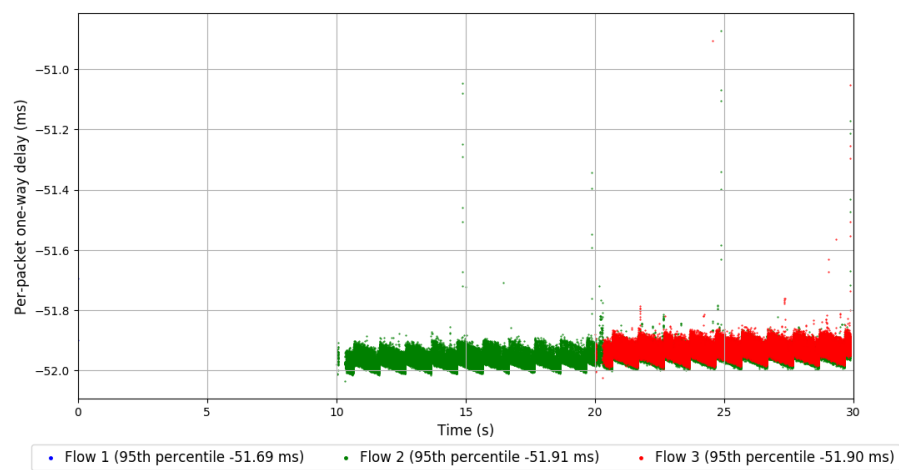
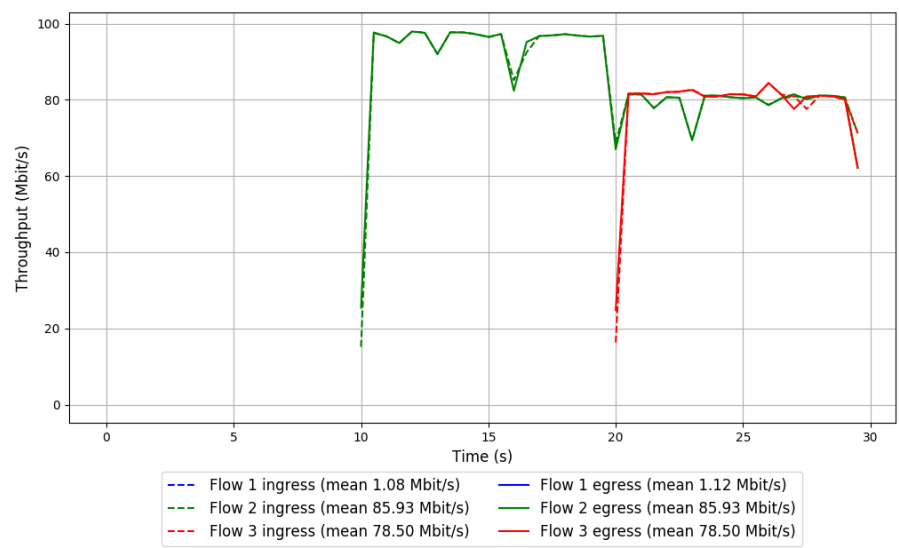


Run 2: Statistics of QUIC Cubic

Start at: 2017-11-16 07:51:57
End at: 2017-11-16 07:52:27
Local clock offset: 0.151 ms
Remote clock offset: 33.737 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: -51.905 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: -51.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: -51.913 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 78.50 Mbit/s
95th percentile per-packet one-way delay: -51.896 ms
Loss rate: 0.05%

Run 2: Report of QUIC Cubic — Data Link

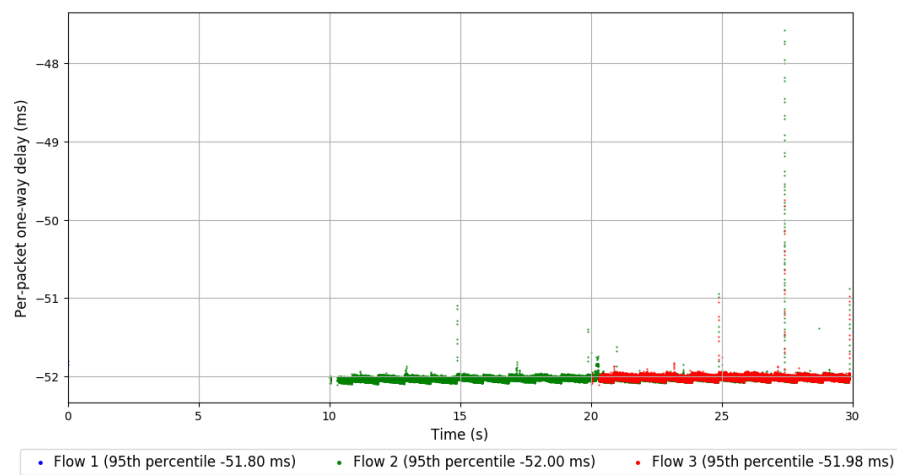
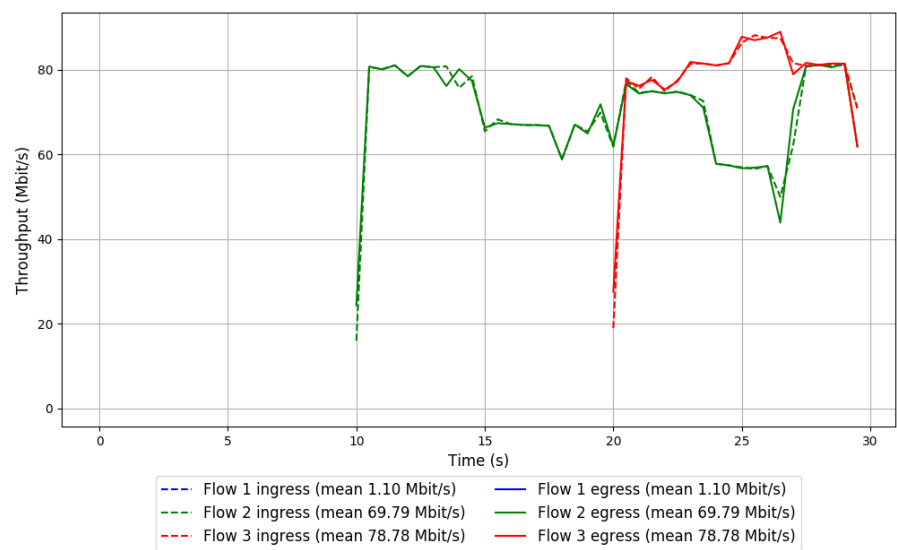


Run 3: Statistics of QUIC Cubic

Start at: 2017-11-16 08:10:46
End at: 2017-11-16 08:11:16
Local clock offset: -0.073 ms
Remote clock offset: 34.566 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.44 Mbit/s
95th percentile per-packet one-way delay: -51.990 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: -51.805 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: -51.996 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: -51.984 ms
Loss rate: 0.03%

Run 3: Report of QUIC Cubic — Data Link

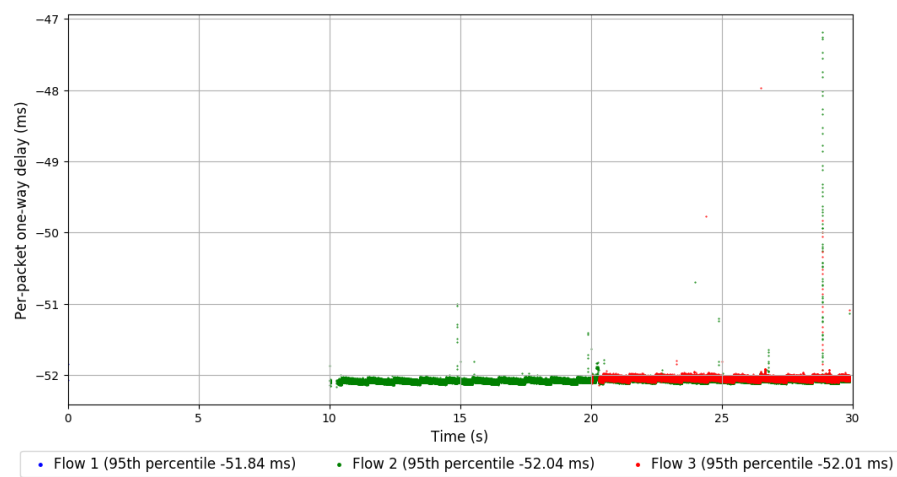
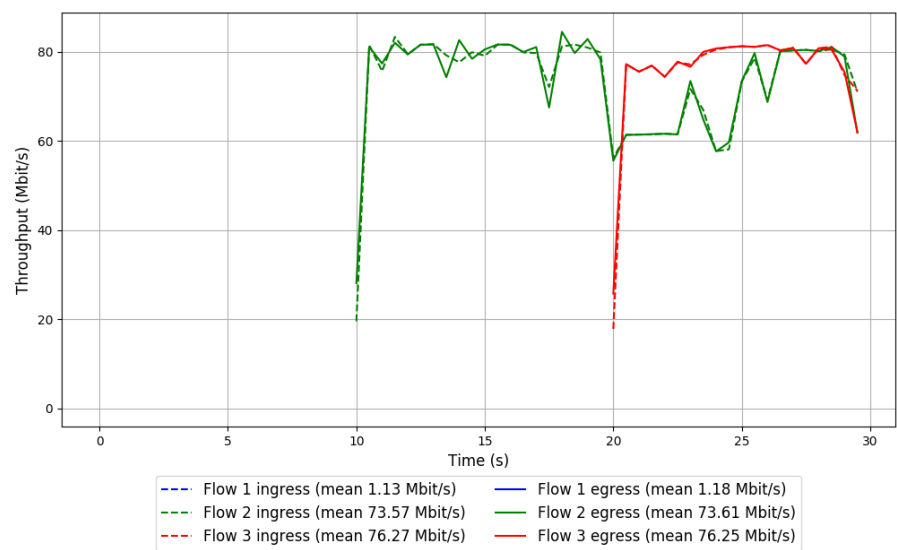


Run 4: Statistics of QUIC Cubic

Start at: 2017-11-16 08:29:44
End at: 2017-11-16 08:30:14
Local clock offset: -0.238 ms
Remote clock offset: 35.309 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.15 Mbit/s
95th percentile per-packet one-way delay: -52.023 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: -51.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.61 Mbit/s
95th percentile per-packet one-way delay: -52.038 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 76.25 Mbit/s
95th percentile per-packet one-way delay: -52.011 ms
Loss rate: 0.06%

Run 4: Report of QUIC Cubic — Data Link

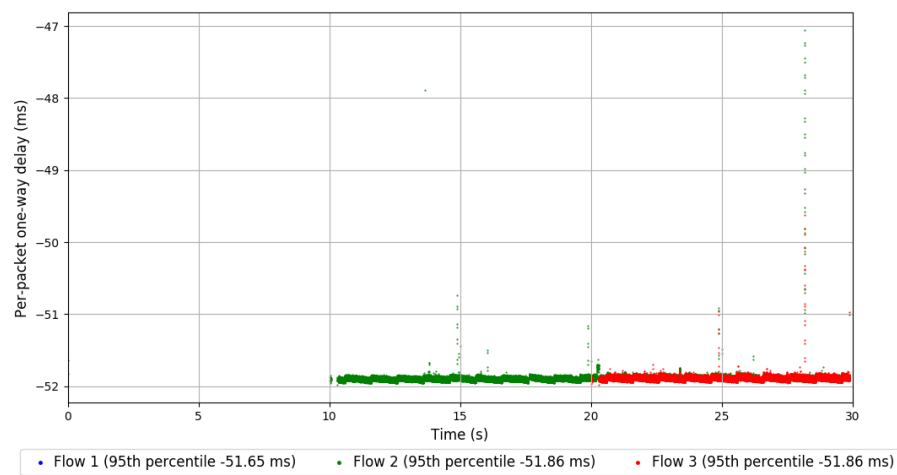
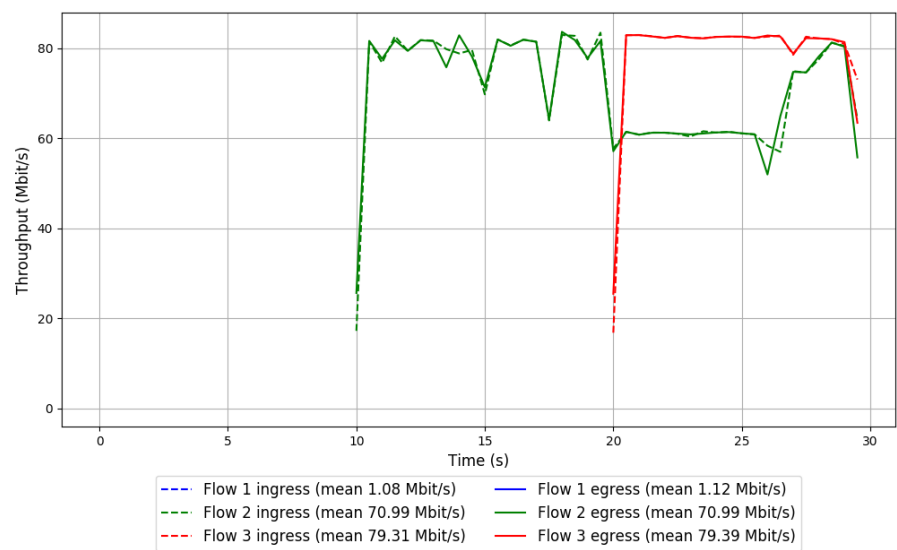


Run 5: Statistics of QUIC Cubic

Start at: 2017-11-16 08:48:38
End at: 2017-11-16 08:49:08
Local clock offset: -0.24 ms
Remote clock offset: 35.655 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.43 Mbit/s
95th percentile per-packet one-way delay: -51.858 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: -51.647 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: -51.858 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: -51.857 ms
Loss rate: 0.04%

Run 5: Report of QUIC Cubic — Data Link

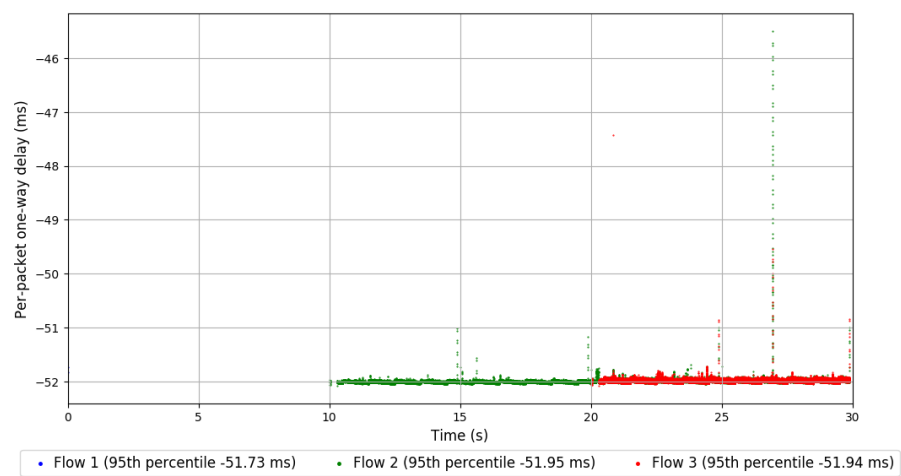
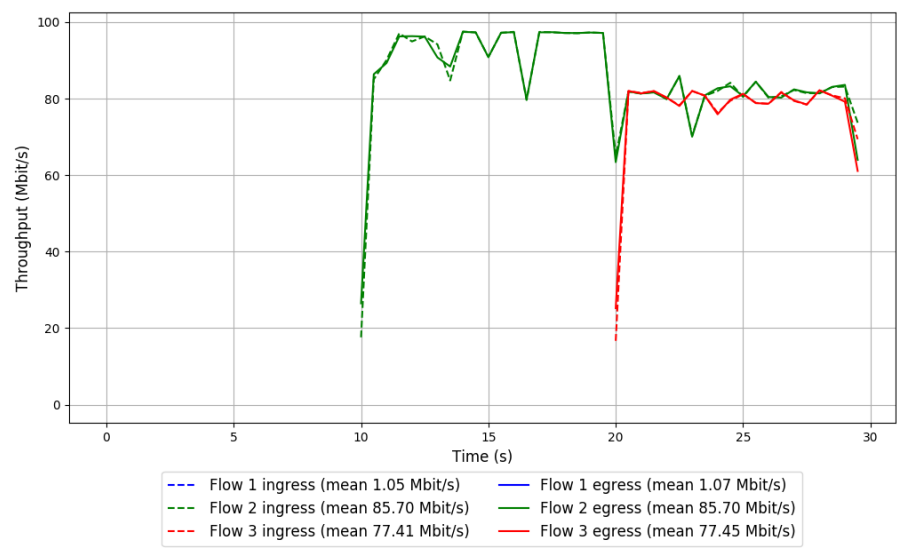


Run 6: Statistics of QUIC Cubic

Start at: 2017-11-16 09:07:39
End at: 2017-11-16 09:08:09
Local clock offset: -0.326 ms
Remote clock offset: 36.016 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: -51.950 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: -51.728 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: -51.955 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: -51.943 ms
Loss rate: 0.05%

Run 6: Report of QUIC Cubic — Data Link

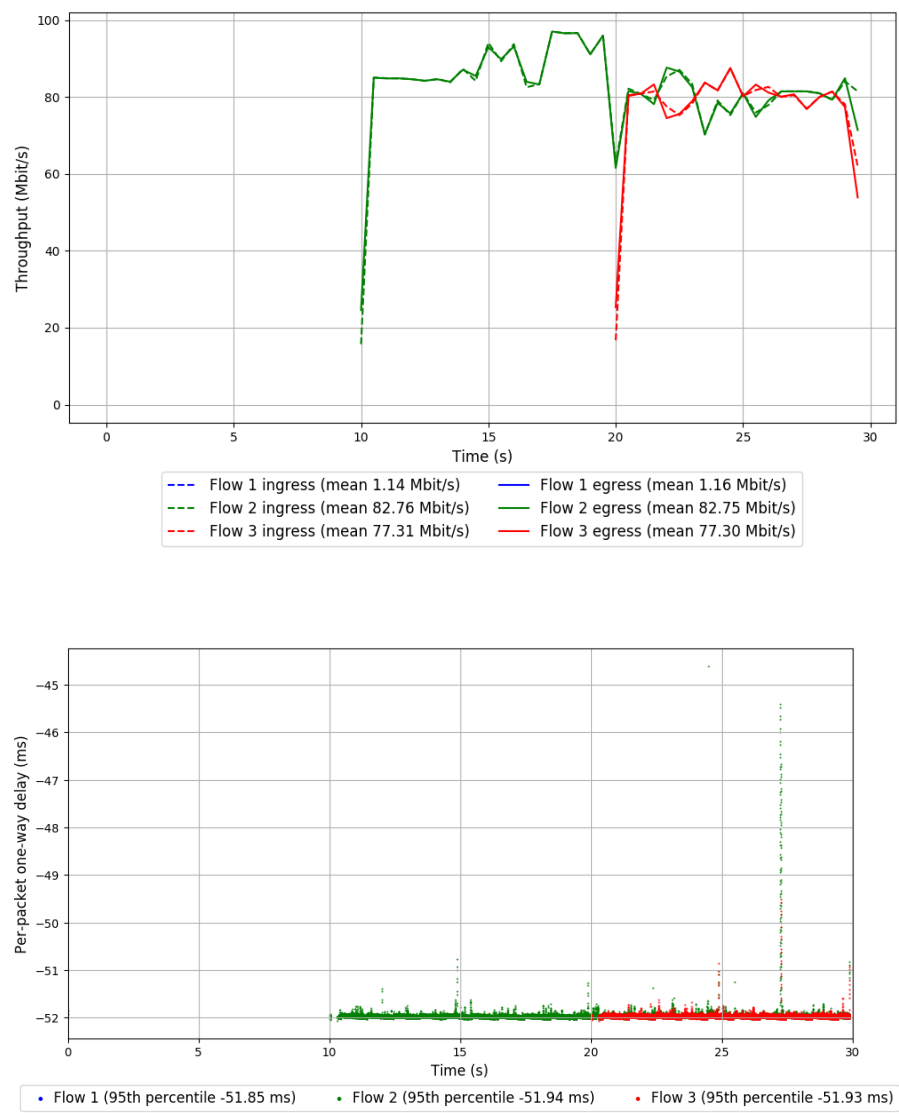


Run 7: Statistics of QUIC Cubic

Start at: 2017-11-16 09:26:39
End at: 2017-11-16 09:27:09
Local clock offset: -0.367 ms
Remote clock offset: 35.544 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.57 Mbit/s
95th percentile per-packet one-way delay: -51.934 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: -51.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 82.75 Mbit/s
95th percentile per-packet one-way delay: -51.935 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: -51.932 ms
Loss rate: 0.03%

Run 7: Report of QUIC Cubic — Data Link

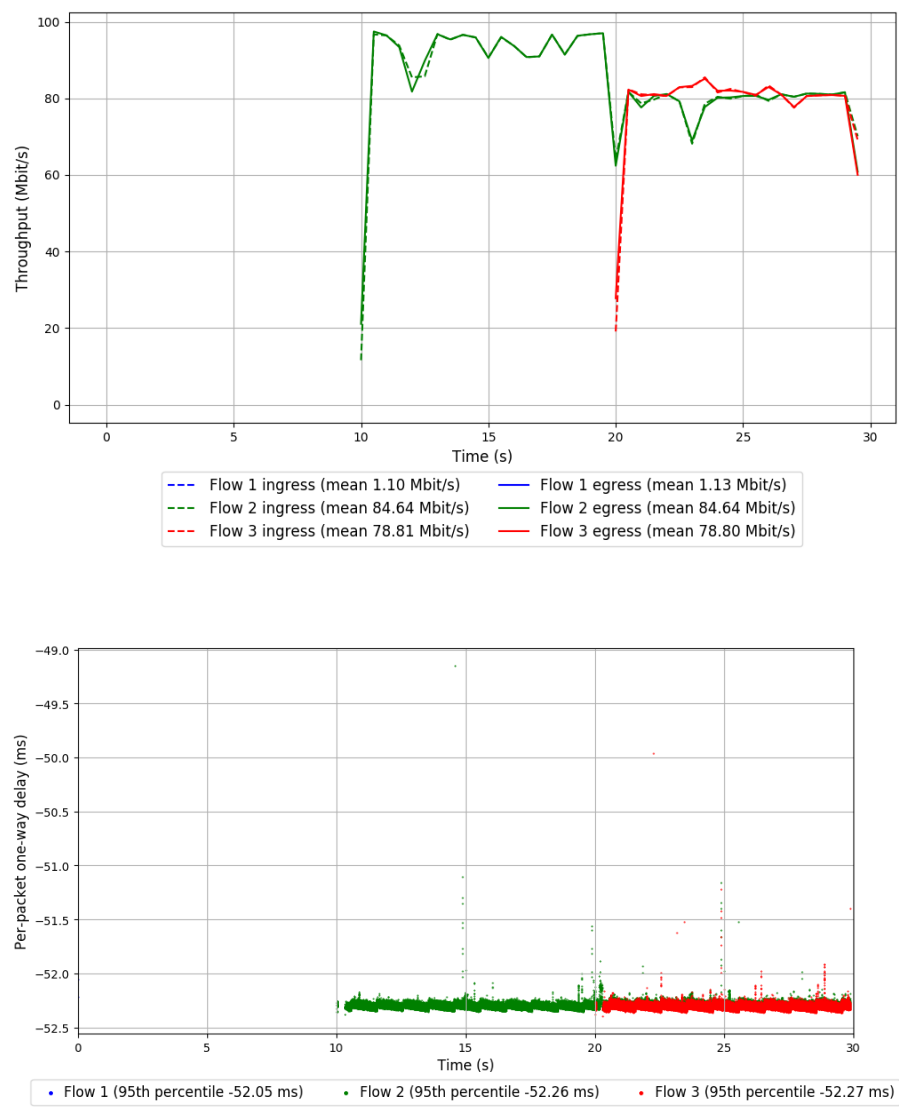


Run 8: Statistics of QUIC Cubic

Start at: 2017-11-16 09:45:39
End at: 2017-11-16 09:46:09
Local clock offset: -0.267 ms
Remote clock offset: 35.251 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: -52.263 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: -52.053 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: -52.262 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 78.80 Mbit/s
95th percentile per-packet one-way delay: -52.267 ms
Loss rate: 0.04%

Run 8: Report of QUIC Cubic — Data Link

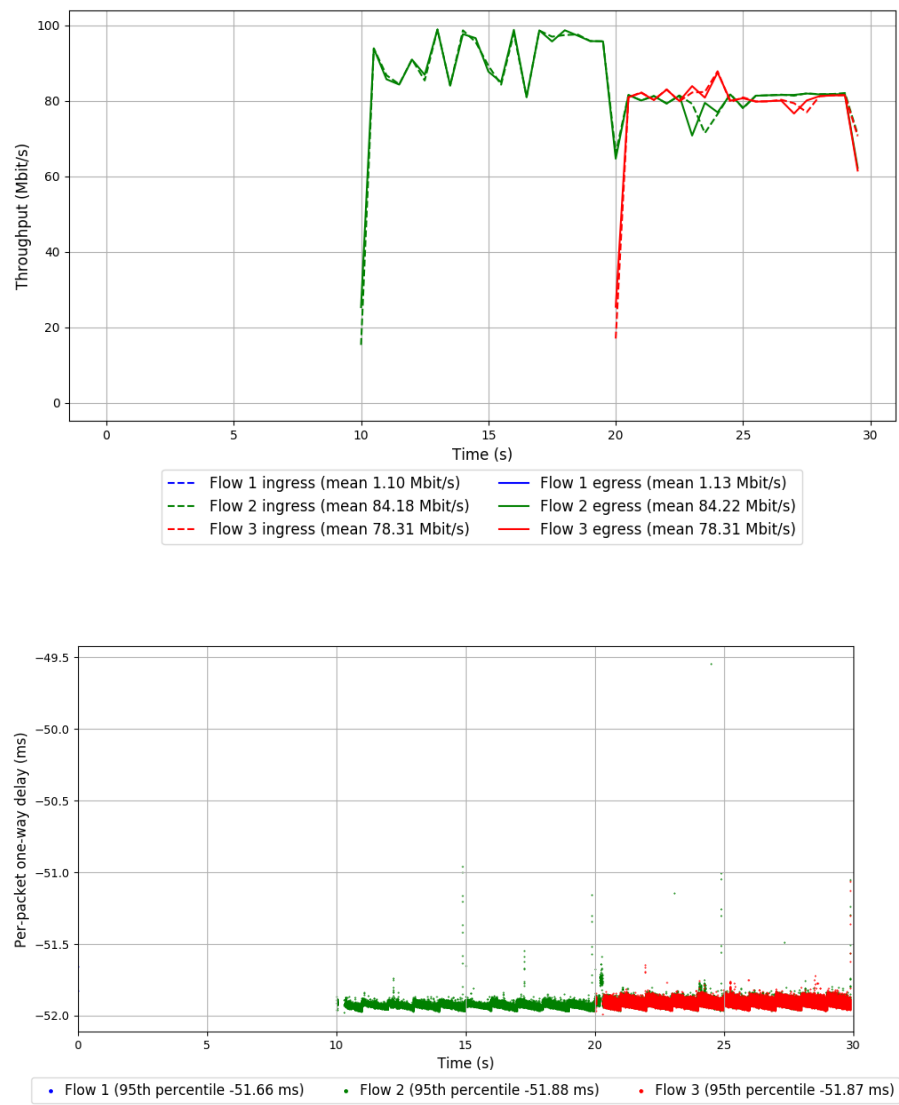


Run 9: Statistics of QUIC Cubic

Start at: 2017-11-16 10:04:34
End at: 2017-11-16 10:05:04
Local clock offset: -0.248 ms
Remote clock offset: 34.992 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.88 Mbit/s
95th percentile per-packet one-way delay: -51.879 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: -51.661 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: -51.884 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: -51.873 ms
Loss rate: 0.05%

Run 9: Report of QUIC Cubic — Data Link

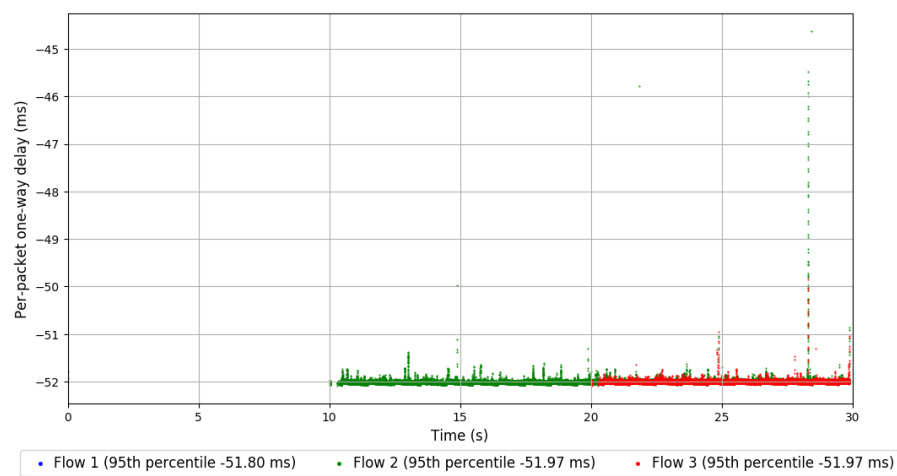
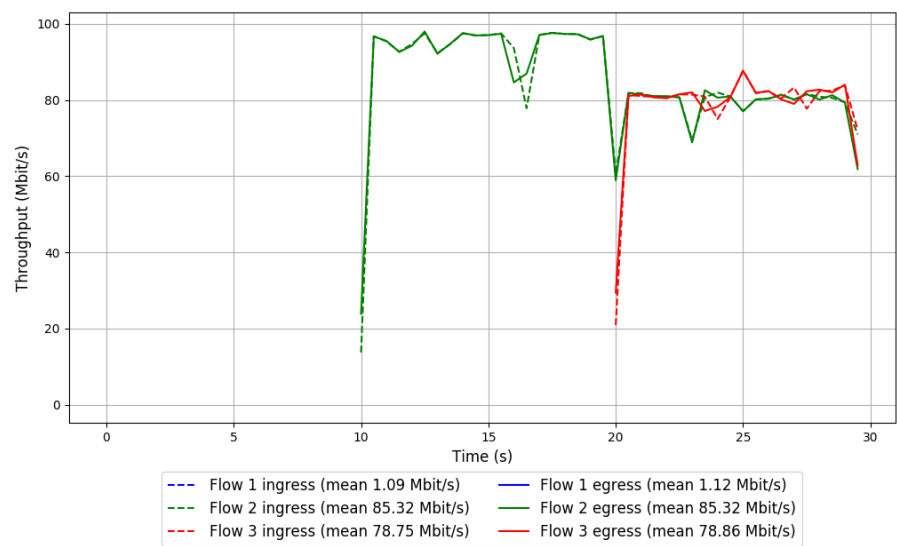


Run 10: Statistics of QUIC Cubic

Start at: 2017-11-16 10:23:37
End at: 2017-11-16 10:24:07
Local clock offset: -0.249 ms
Remote clock offset: 35.277 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.80 Mbit/s
95th percentile per-packet one-way delay: -51.973 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: -51.795 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: -51.974 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: -51.971 ms
Loss rate: 0.05%

Run 10: Report of QUIC Cubic — Data Link

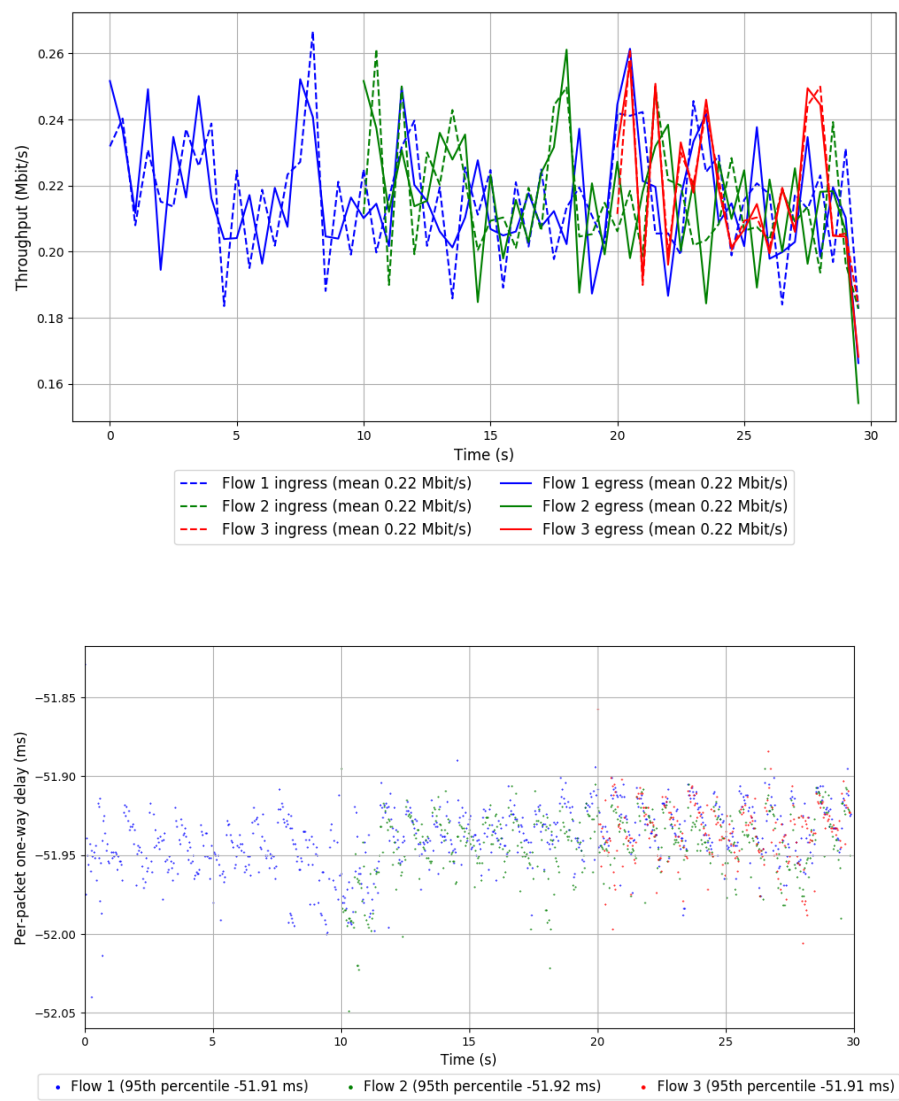


```
Run 1: Statistics of SReAM

Start at: 2017-11-16 07:28:35
End at: 2017-11-16 07:29:05
Local clock offset: 0.536 ms
Remote clock offset: 32.838 ms

# Below is generated by plot.py at 2017-11-16 14:54:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -51.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.911 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.916 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.909 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

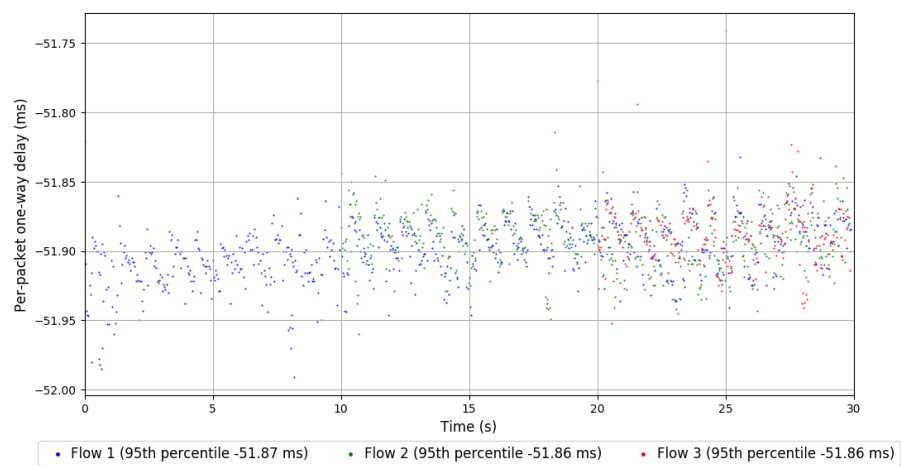
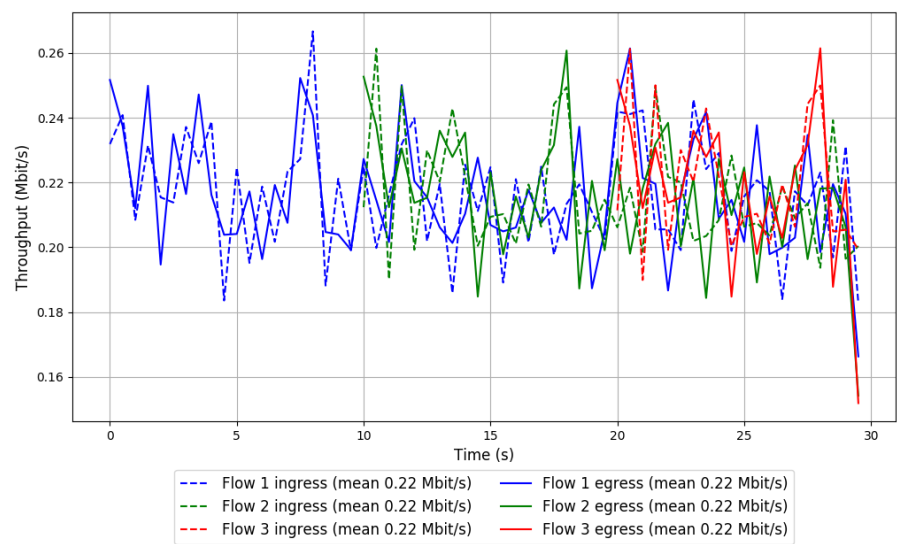


Run 2: Statistics of SReAM

Start at: 2017-11-16 07:47:00
End at: 2017-11-16 07:47:30
Local clock offset: 0.238 ms
Remote clock offset: 33.561 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -51.864 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.862 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.857 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link

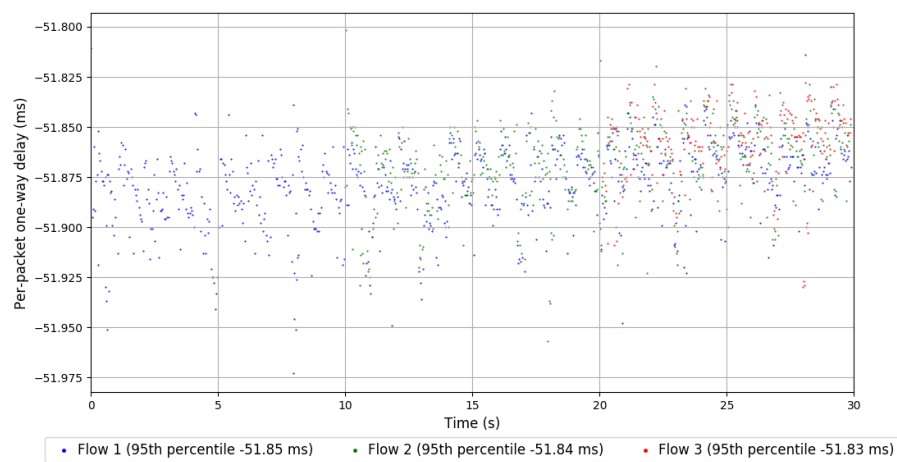
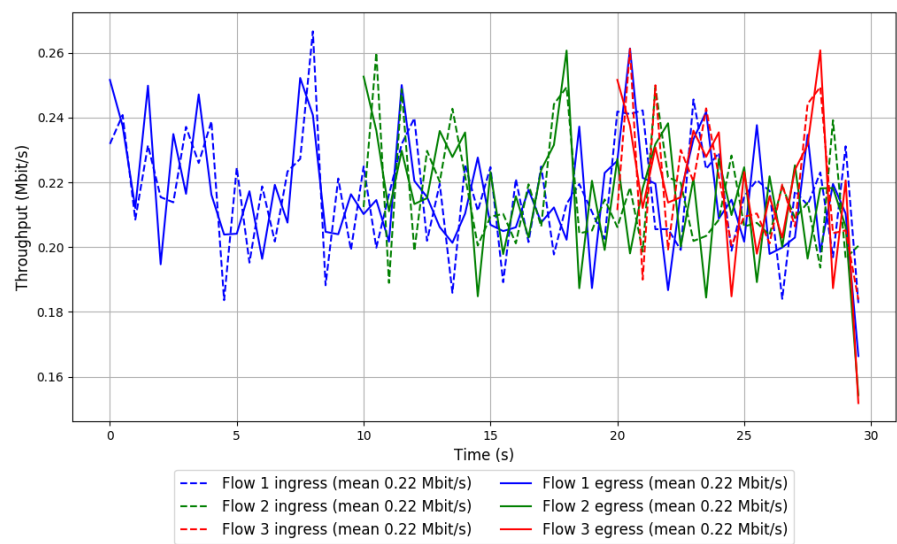


Run 3: Statistics of SReAM

Start at: 2017-11-16 08:05:53
End at: 2017-11-16 08:06:23
Local clock offset: 0.018 ms
Remote clock offset: 34.272 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -51.841 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.841 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.834 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

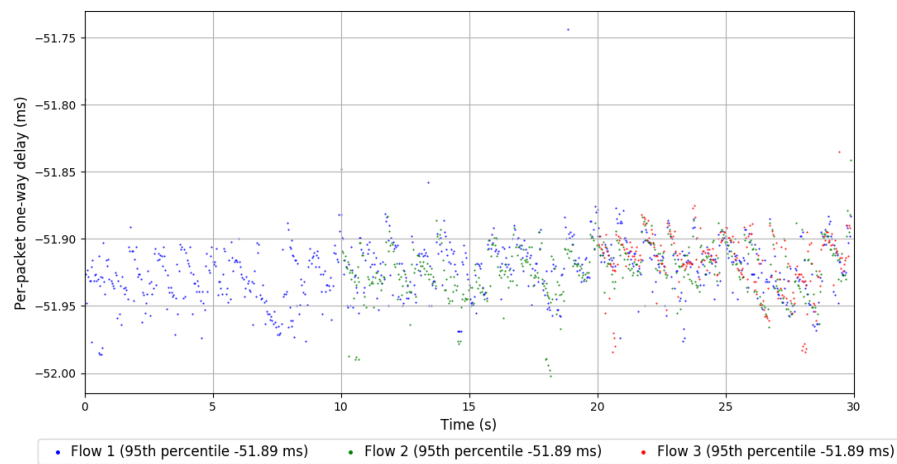
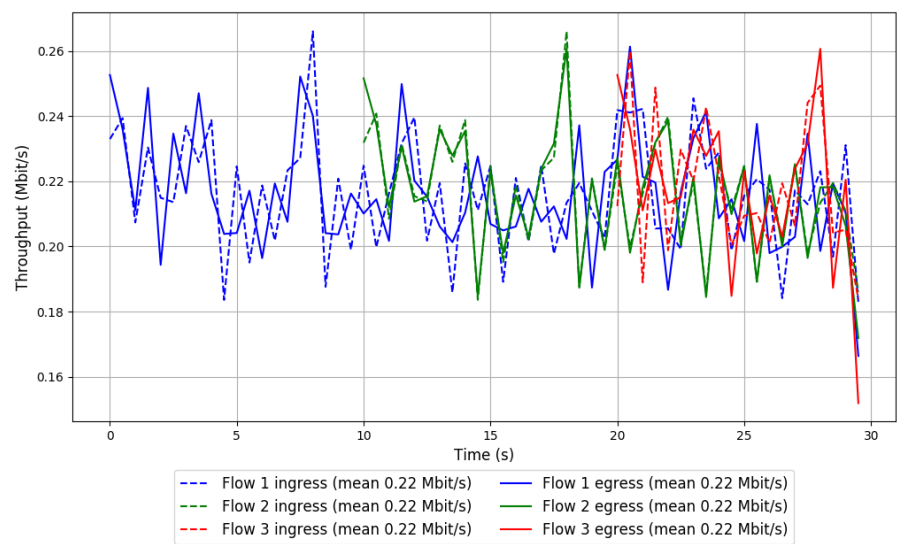


Run 4: Statistics of SReAM

Start at: 2017-11-16 08:24:47
End at: 2017-11-16 08:25:17
Local clock offset: -0.102 ms
Remote clock offset: 35.135 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -51.892 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.891 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.890 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

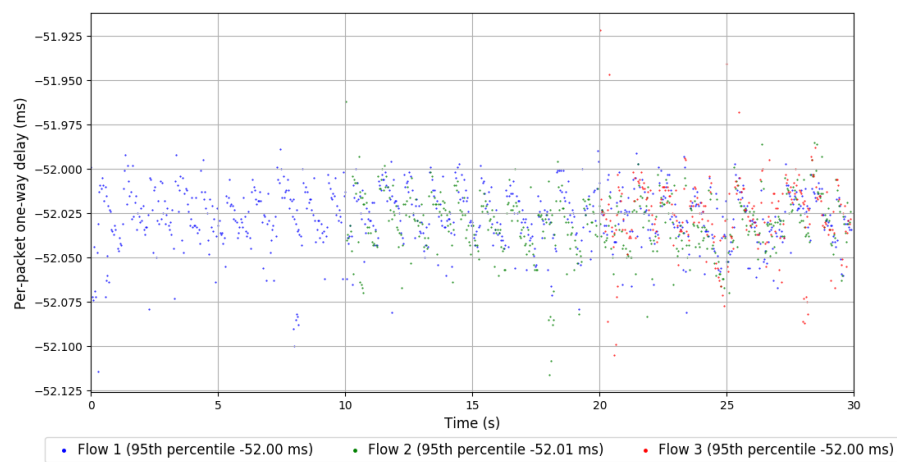
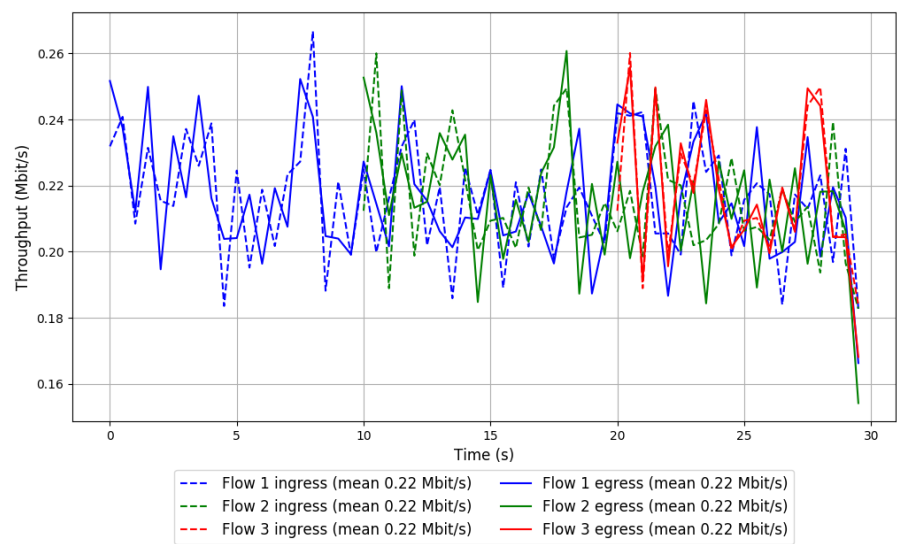


Run 5: Statistics of SReAM

Start at: 2017-11-16 08:43:40
End at: 2017-11-16 08:44:10
Local clock offset: -0.314 ms
Remote clock offset: 35.661 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -52.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.002 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.002 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2017-11-16 09:02:44

End at: 2017-11-16 09:03:14

Local clock offset: -0.29 ms

Remote clock offset: 36.26 ms

Below is generated by plot.py at 2017-11-16 14:54:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: -52.219 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: -52.220 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: -52.218 ms

Loss rate: 0.20%

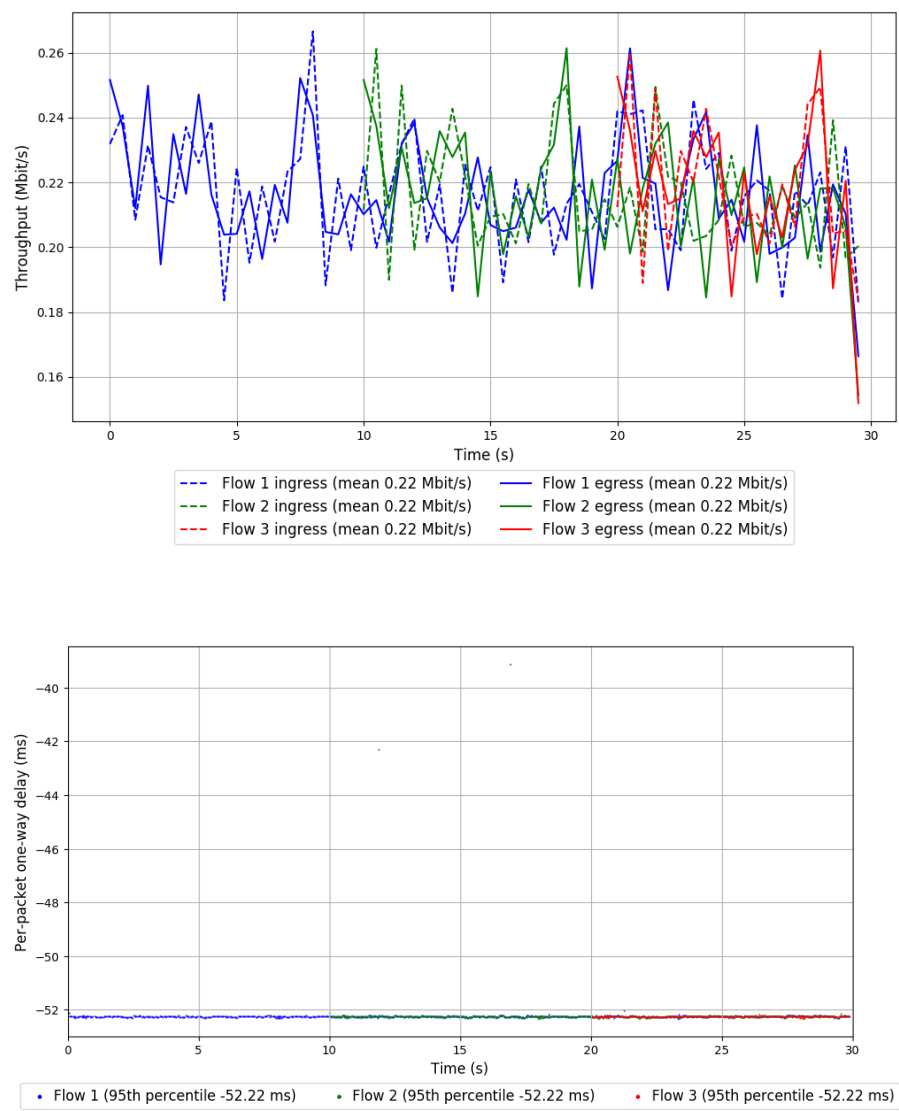
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: -52.218 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

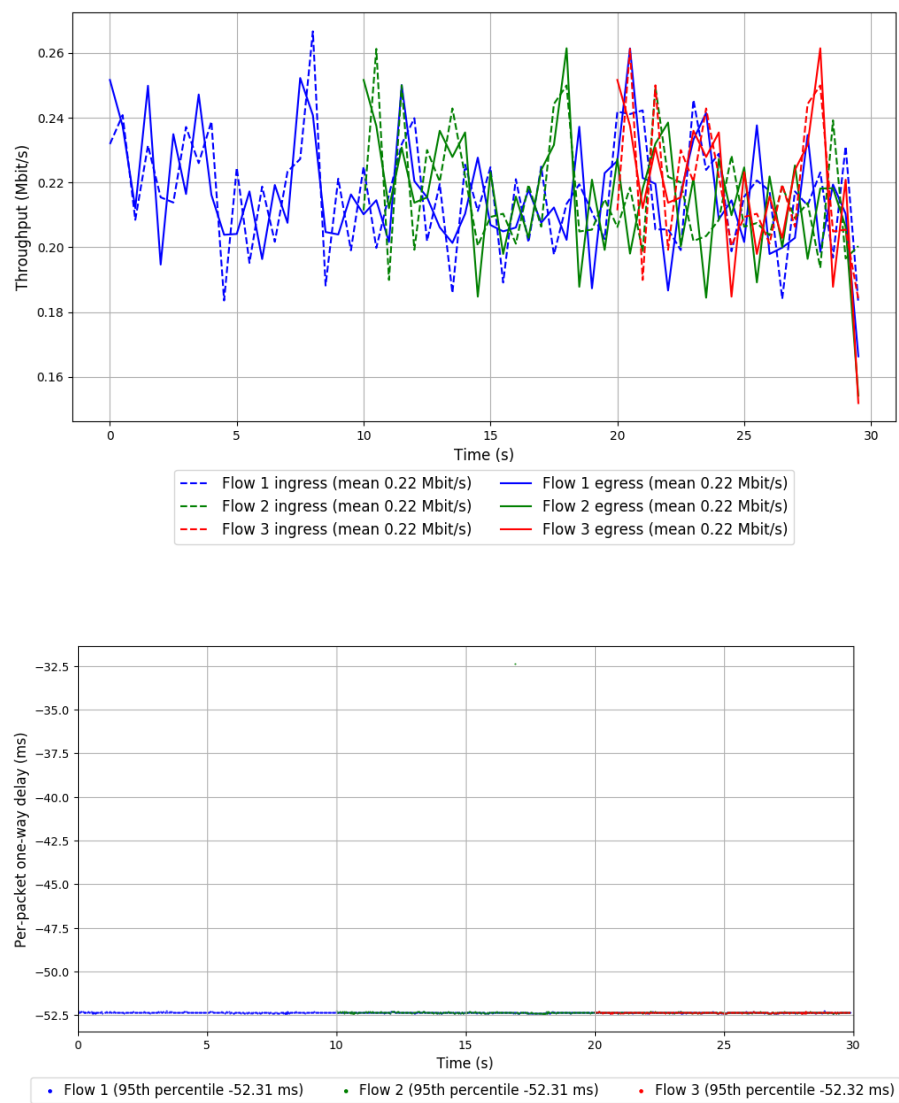


Run 7: Statistics of SReAM

Start at: 2017-11-16 09:21:46
End at: 2017-11-16 09:22:16
Local clock offset: -0.421 ms
Remote clock offset: 36.076 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -52.315 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.312 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.321 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

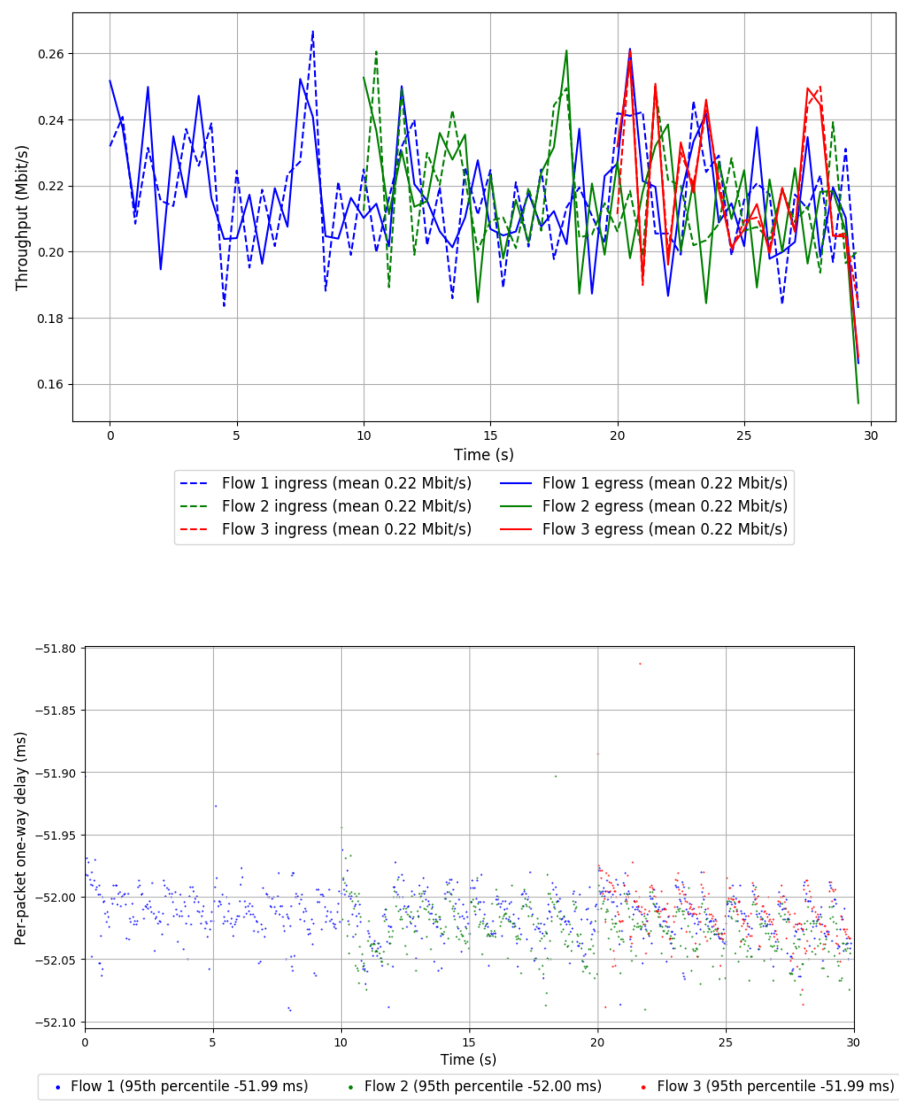


Run 8: Statistics of SReAM

Start at: 2017-11-16 09:40:42
End at: 2017-11-16 09:41:12
Local clock offset: -0.326 ms
Remote clock offset: 35.129 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -51.989 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.987 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.997 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.986 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

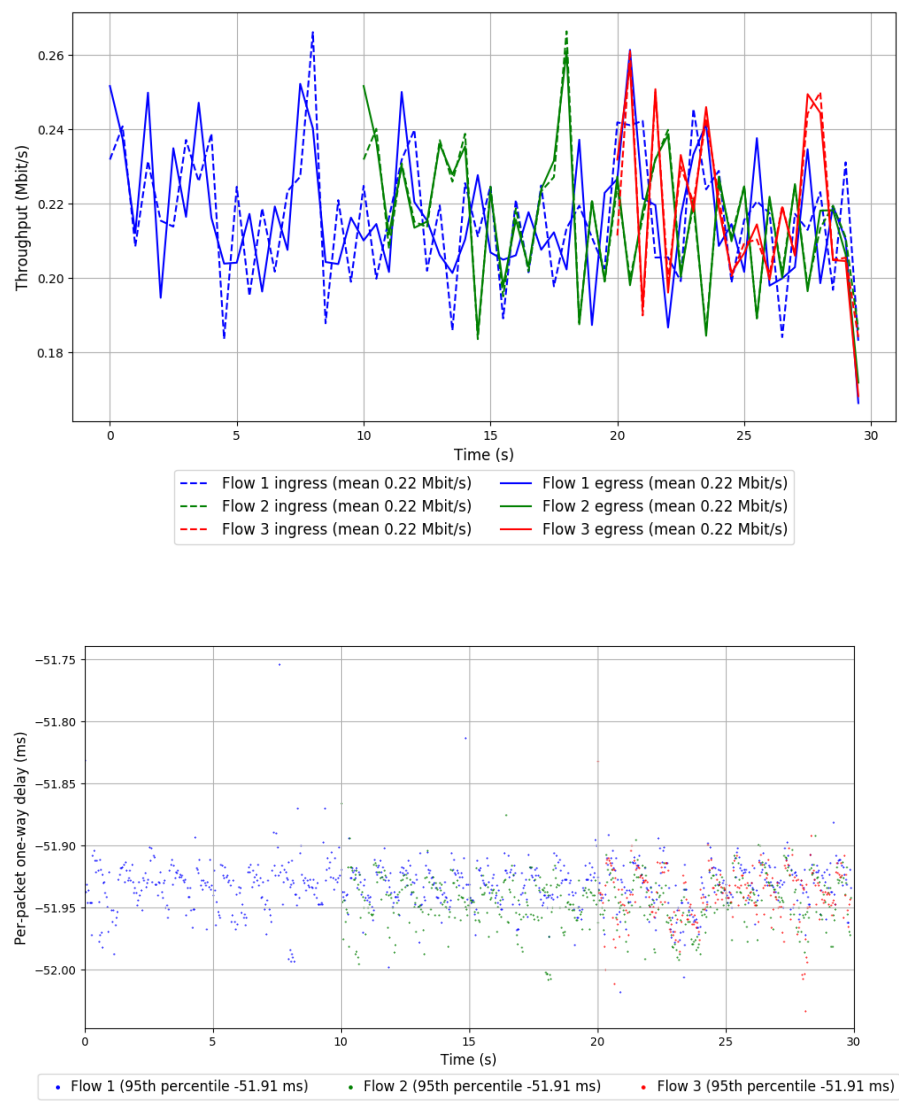


Run 9: Statistics of SReAM

Start at: 2017-11-16 09:59:39
End at: 2017-11-16 10:00:09
Local clock offset: -0.316 ms
Remote clock offset: 34.936 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -51.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.906 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -51.911 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

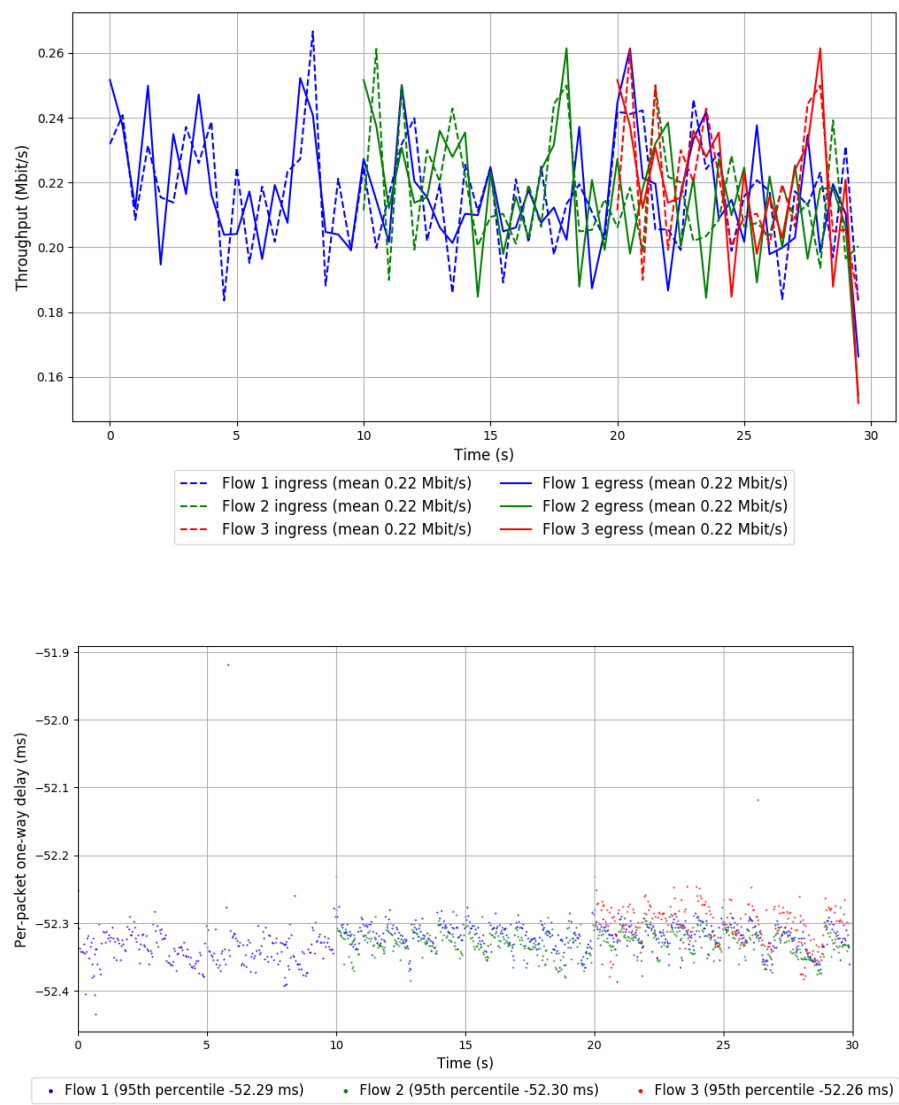


Run 10: Statistics of SReAM

Start at: 2017-11-16 10:18:42
End at: 2017-11-16 10:19:12
Local clock offset: -0.237 ms
Remote clock offset: 35.587 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: -52.282 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.293 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.302 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -52.263 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

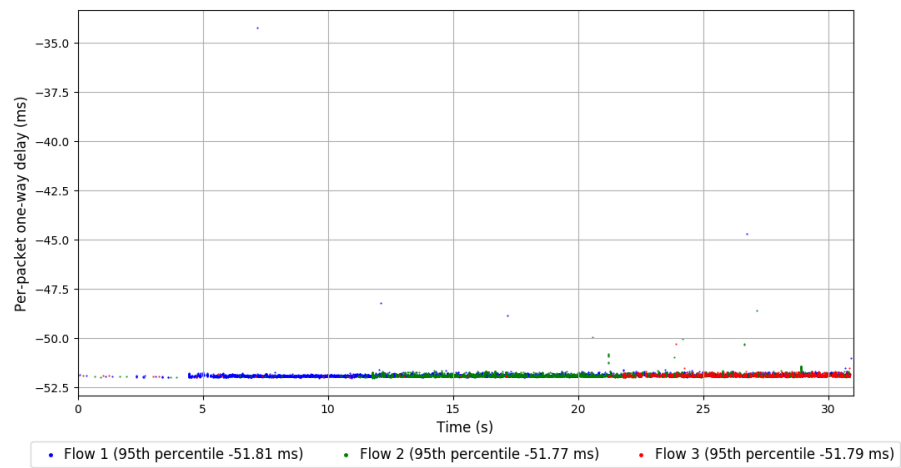
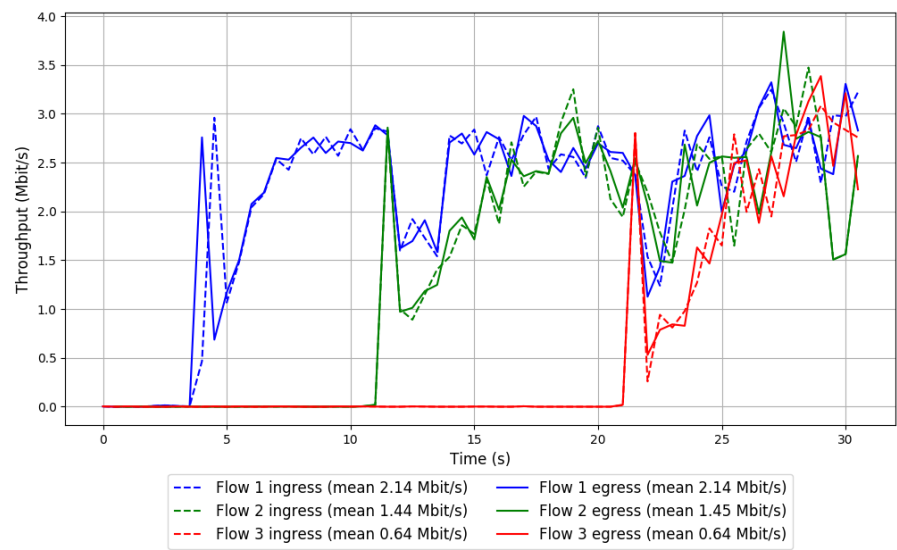


Run 1: Statistics of WebRTC media

Start at: 2017-11-16 07:34:35
End at: 2017-11-16 07:35:05
Local clock offset: 0.432 ms
Remote clock offset: 33.041 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: -51.792 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: -51.809 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: -51.773 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: -51.786 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

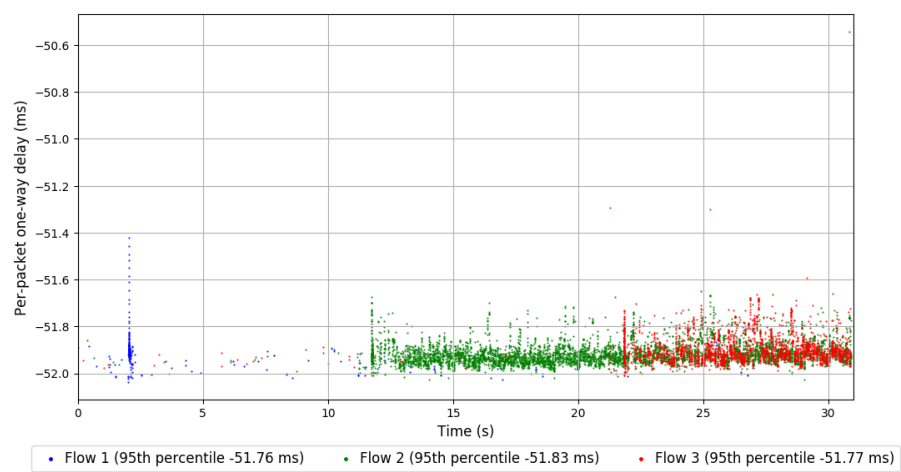
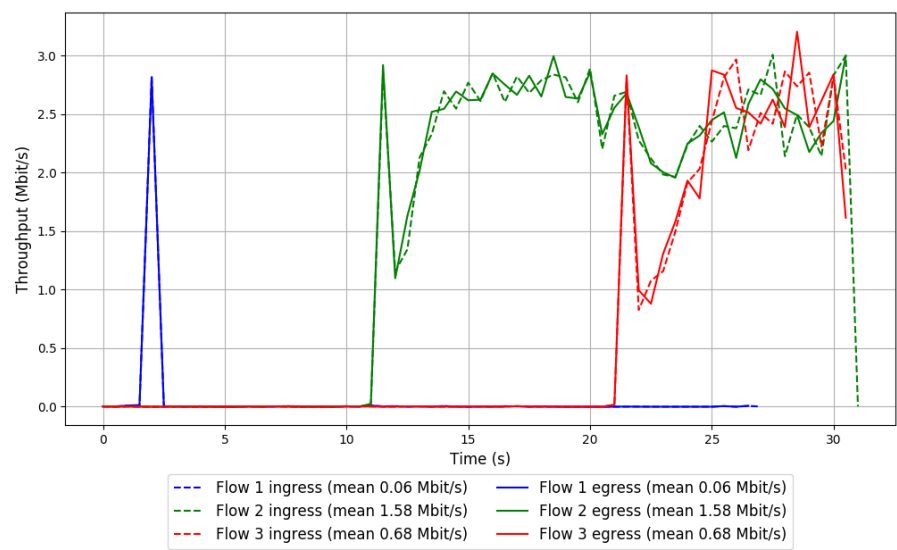


Run 2: Statistics of WebRTC media

Start at: 2017-11-16 07:53:04
End at: 2017-11-16 07:53:34
Local clock offset: 0.175 ms
Remote clock offset: 33.807 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: -51.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: -51.758 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: -51.825 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: -51.775 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-11-16 08:11:54

End at: 2017-11-16 08:12:24

Local clock offset: -0.066 ms

Remote clock offset: 34.89 ms

Below is generated by plot.py at 2017-11-16 14:54:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: -52.159 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: -52.163 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: -52.175 ms

Loss rate: 0.00%

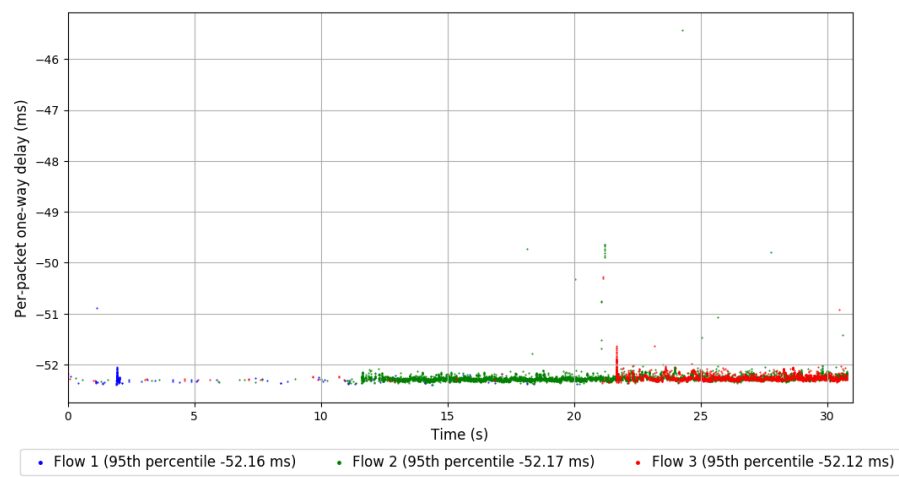
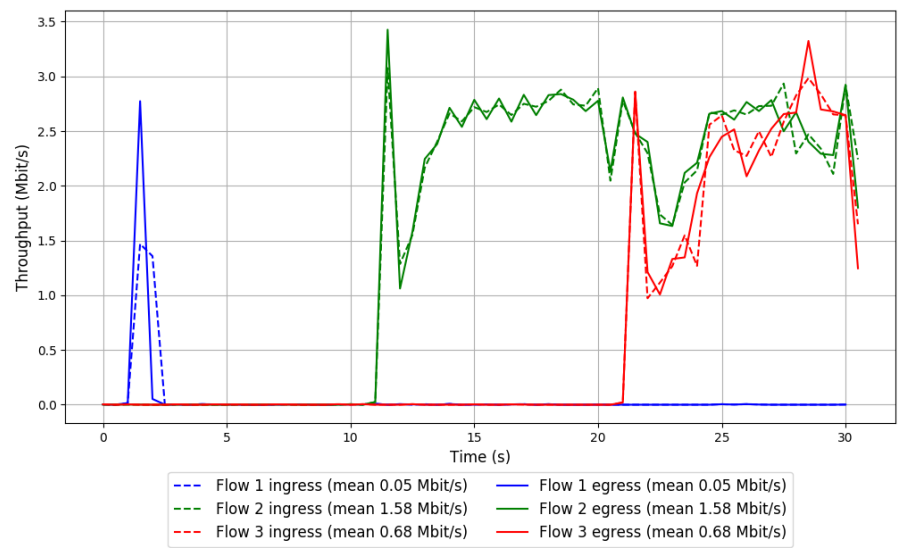
-- Flow 3:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: -52.119 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

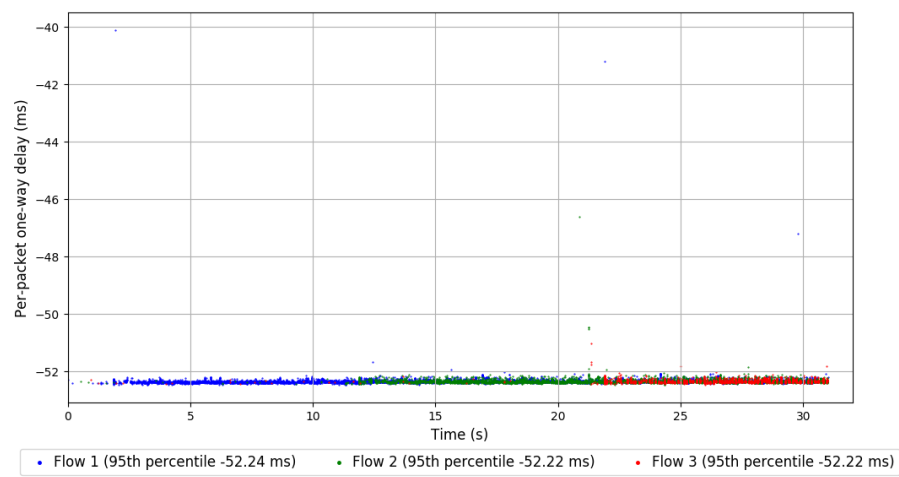
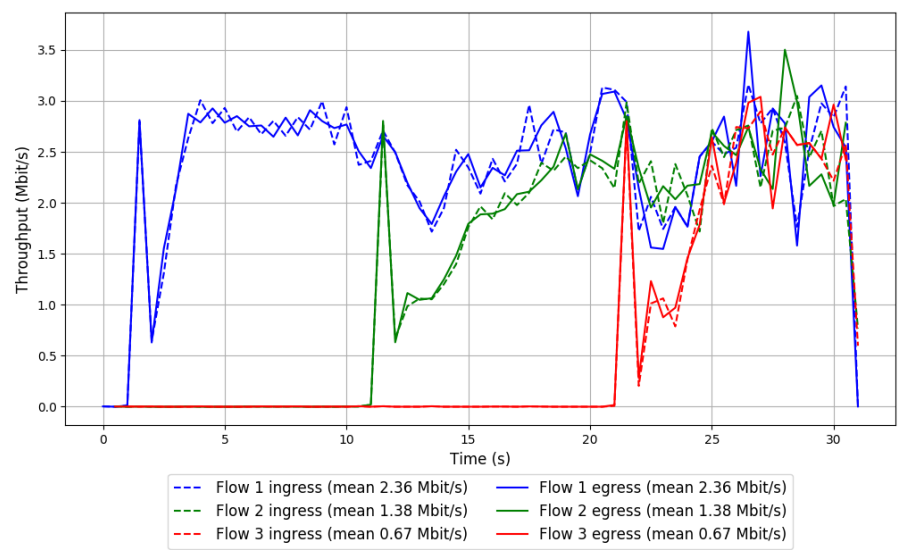


Run 4: Statistics of WebRTC media

Start at: 2017-11-16 08:30:51
End at: 2017-11-16 08:31:21
Local clock offset: -0.253 ms
Remote clock offset: 35.635 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: -52.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -52.242 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: -52.219 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: -52.218 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

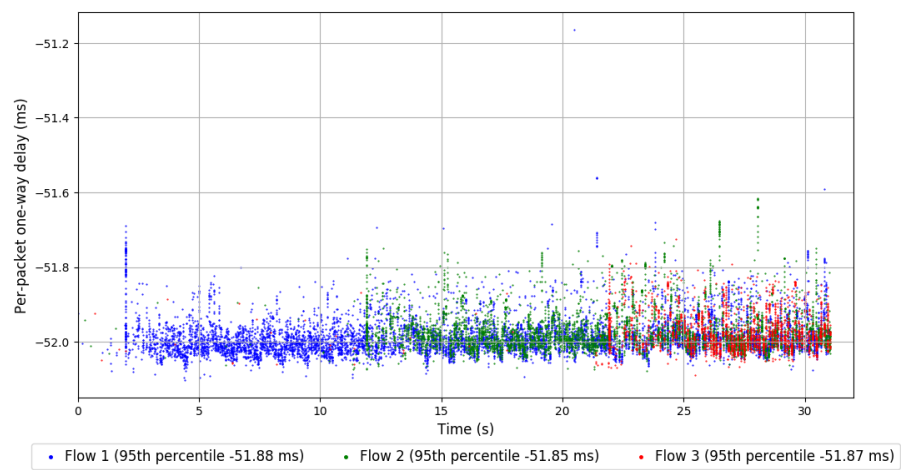
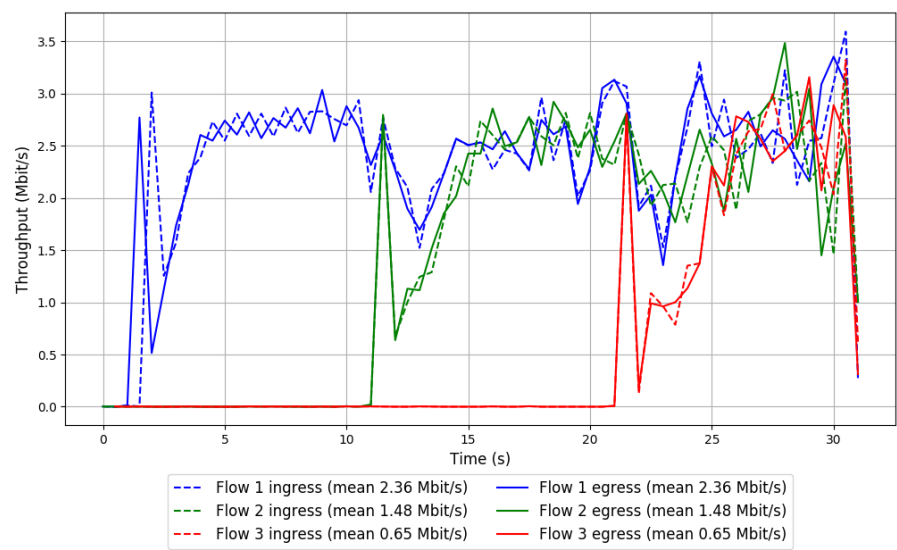


Run 5: Statistics of WebRTC media

Start at: 2017-11-16 08:49:45
End at: 2017-11-16 08:50:15
Local clock offset: -0.279 ms
Remote clock offset: 35.731 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: -51.868 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -51.881 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -51.849 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: -51.866 ms
Loss rate: 0.49%

Run 5: Report of WebRTC media — Data Link

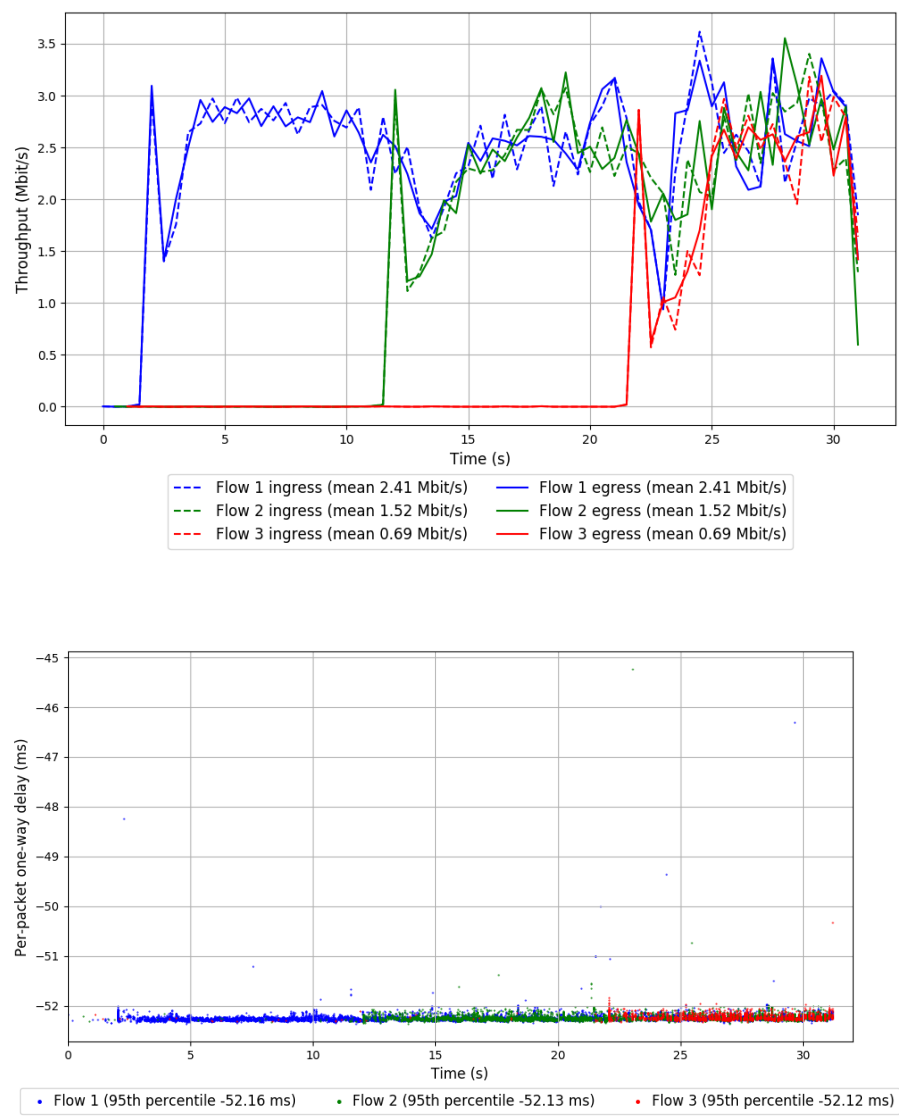


Run 6: Statistics of WebRTC media

Start at: 2017-11-16 09:08:47
End at: 2017-11-16 09:09:17
Local clock offset: -0.306 ms
Remote clock offset: 36.335 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: -52.141 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: -52.159 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: -52.133 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: -52.119 ms
Loss rate: 0.52%

Run 6: Report of WebRTC media — Data Link

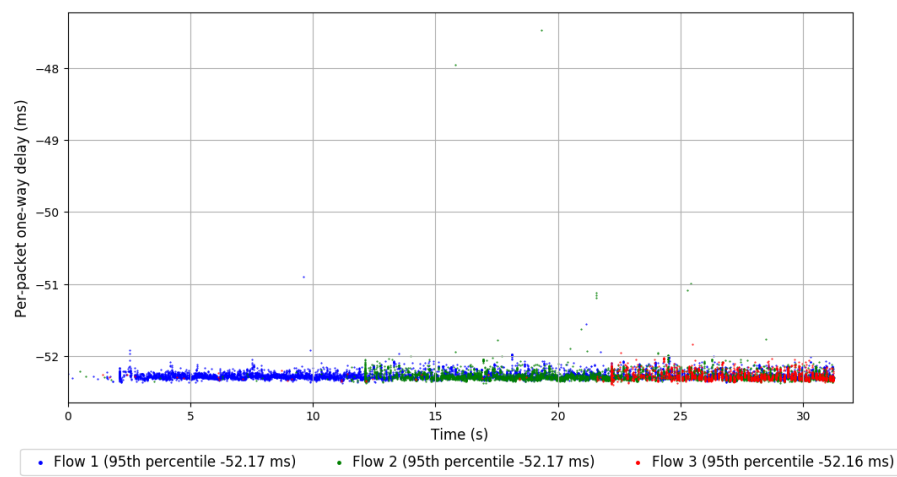
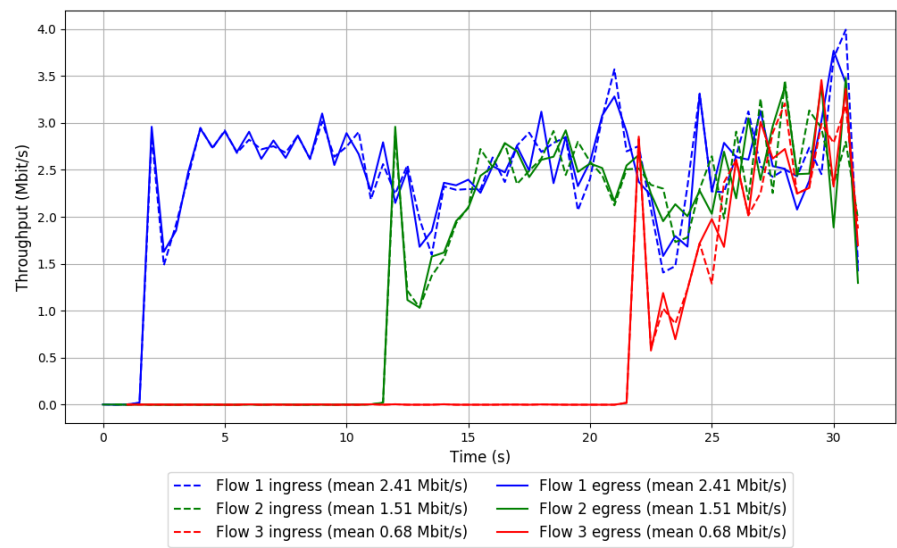


Run 7: Statistics of WebRTC media

Start at: 2017-11-16 09:27:47
End at: 2017-11-16 09:28:17
Local clock offset: -0.333 ms
Remote clock offset: 35.867 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: -52.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: -52.168 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: -52.166 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: -52.165 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

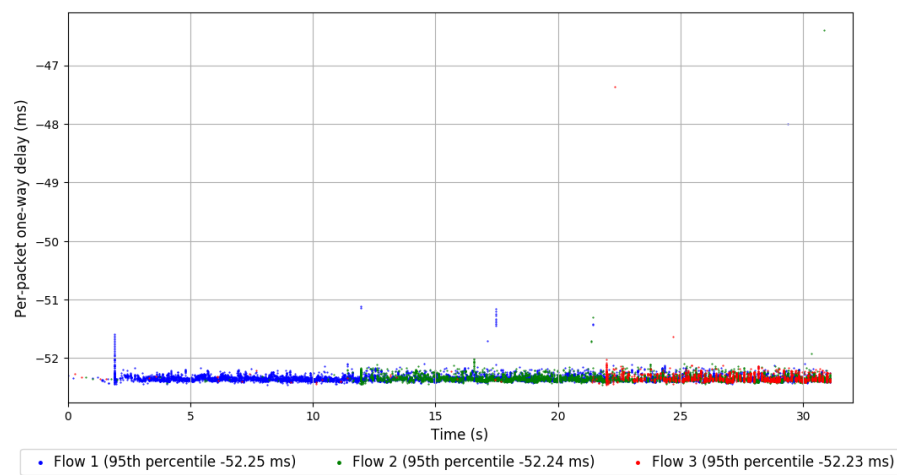
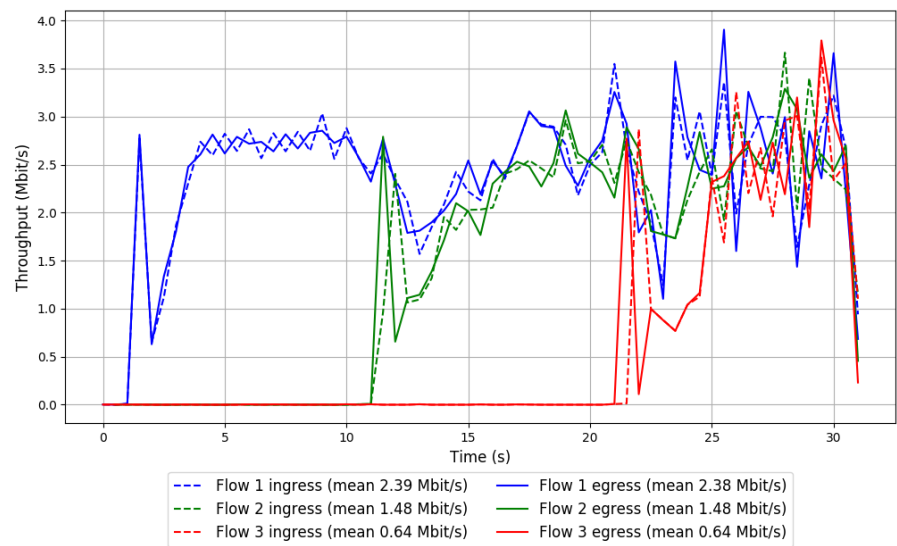


Run 8: Statistics of WebRTC media

Start at: 2017-11-16 09:46:47
End at: 2017-11-16 09:47:17
Local clock offset: -0.304 ms
Remote clock offset: 35.242 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: -52.242 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: -52.247 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: -52.238 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: -52.233 ms
Loss rate: 0.05%

Run 8: Report of WebRTC media — Data Link

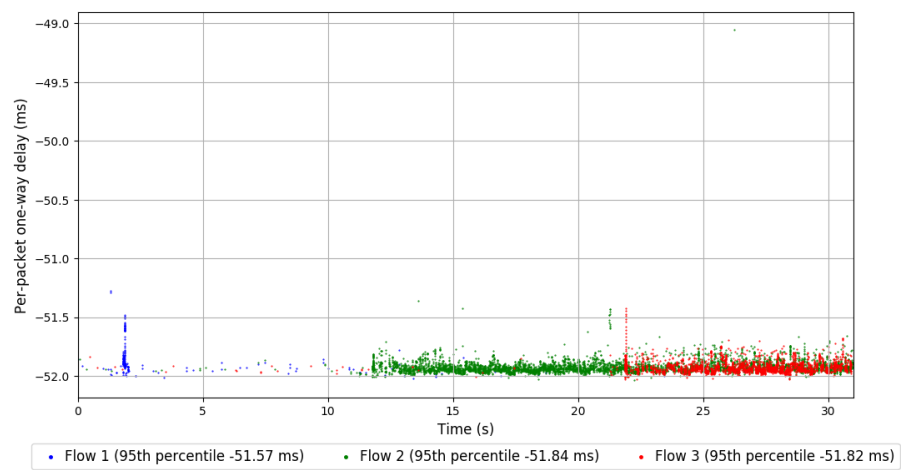
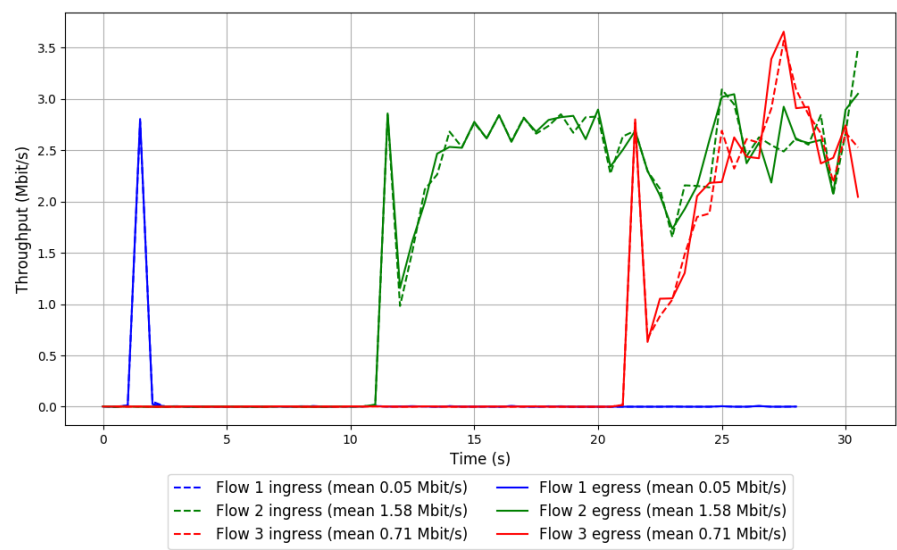


Run 9: Statistics of WebRTC media

Start at: 2017-11-16 10:05:42
End at: 2017-11-16 10:06:12
Local clock offset: -0.258 ms
Remote clock offset: 35.004 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -51.824 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: -51.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: -51.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: -51.821 ms
Loss rate: 0.05%

Run 9: Report of WebRTC media — Data Link

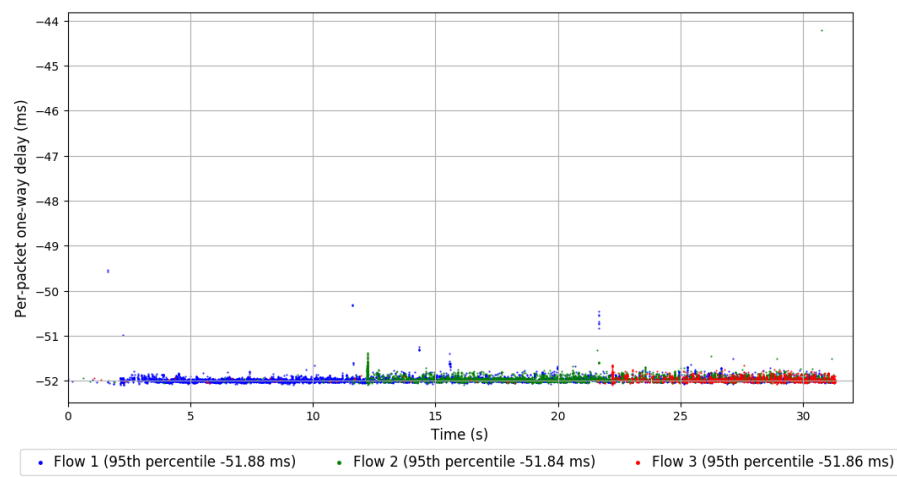
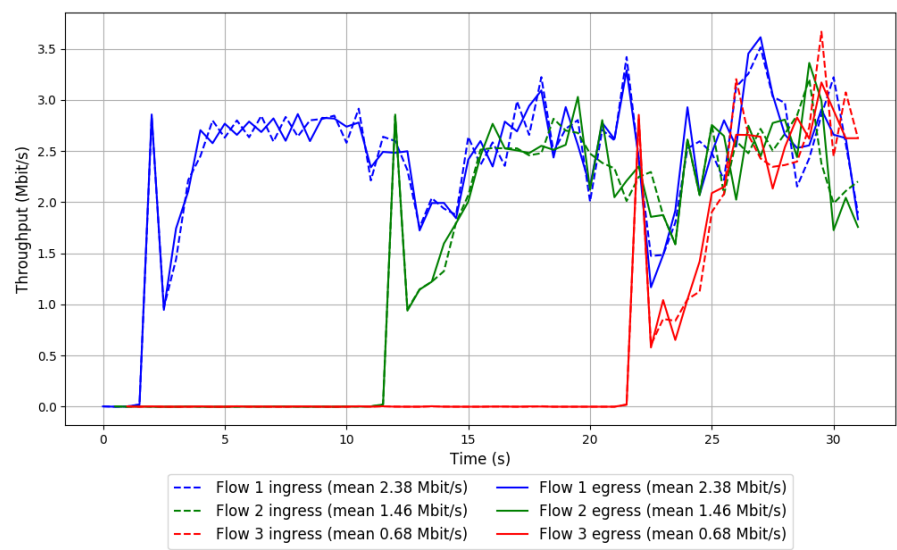


Run 10: Statistics of WebRTC media

Start at: 2017-11-16 10:24:44
End at: 2017-11-16 10:25:14
Local clock offset: -0.232 ms
Remote clock offset: 35.284 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: -51.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: -51.880 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: -51.839 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: -51.857 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

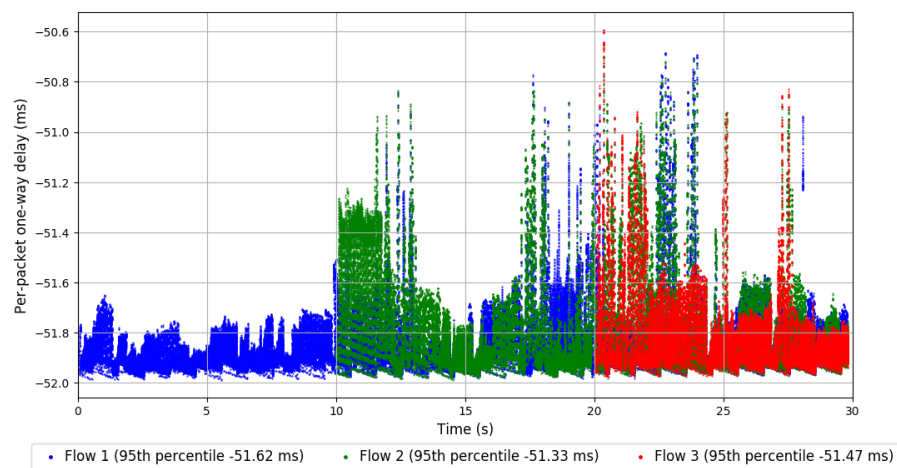
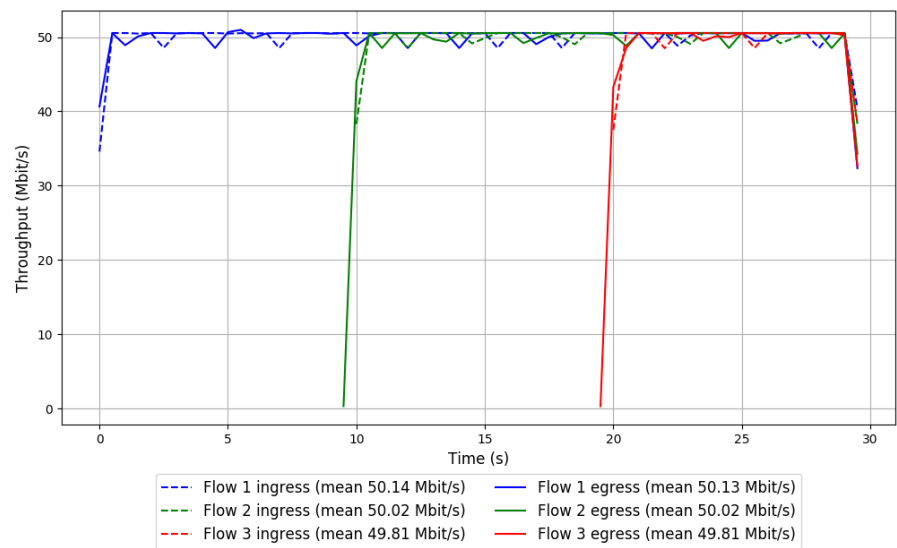


Run 1: Statistics of Sprout

Start at: 2017-11-16 07:27:27
End at: 2017-11-16 07:27:57
Local clock offset: 0.563 ms
Remote clock offset: 32.768 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.88 Mbit/s
95th percentile per-packet one-way delay: -51.438 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: -51.619 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: -51.333 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: -51.469 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

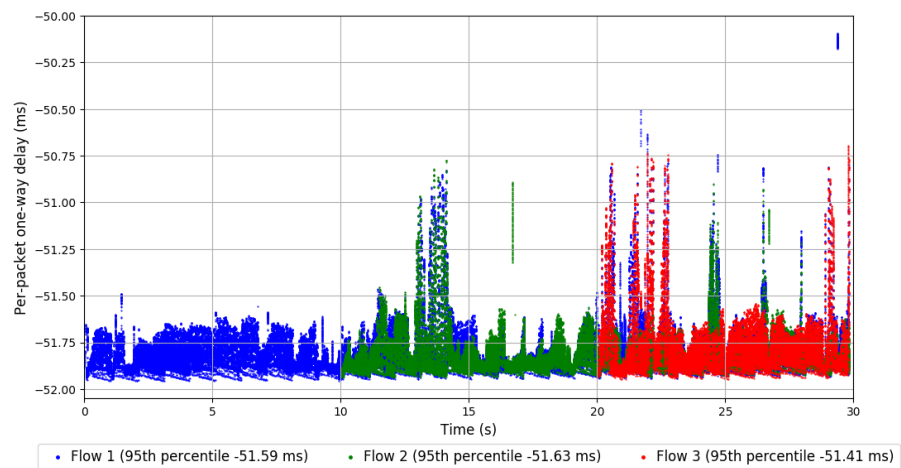
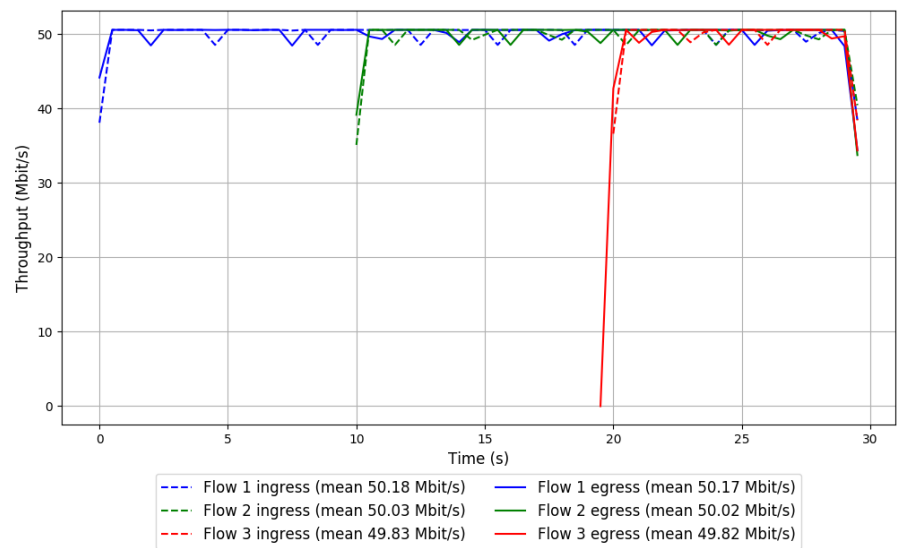


Run 2: Statistics of Sprout

Start at: 2017-11-16 07:45:53
End at: 2017-11-16 07:46:23
Local clock offset: 0.272 ms
Remote clock offset: 33.521 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.83 Mbit/s
95th percentile per-packet one-way delay: -51.578 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: -51.587 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: -51.634 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 49.82 Mbit/s
95th percentile per-packet one-way delay: -51.407 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

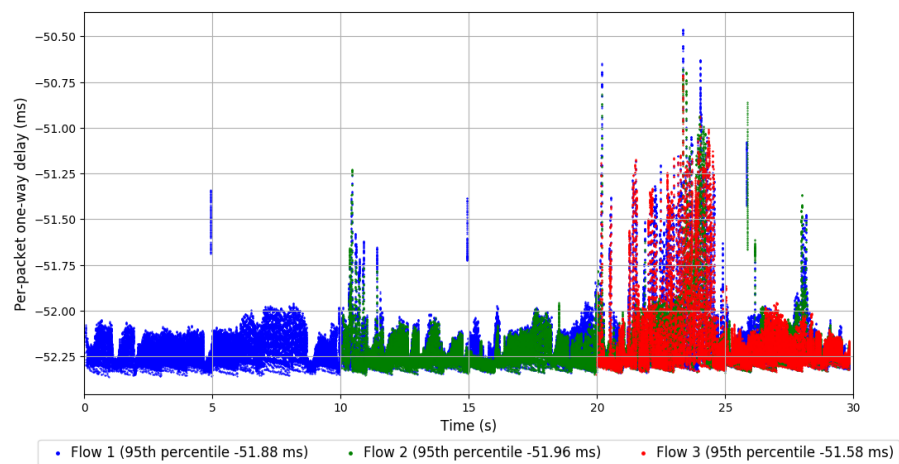
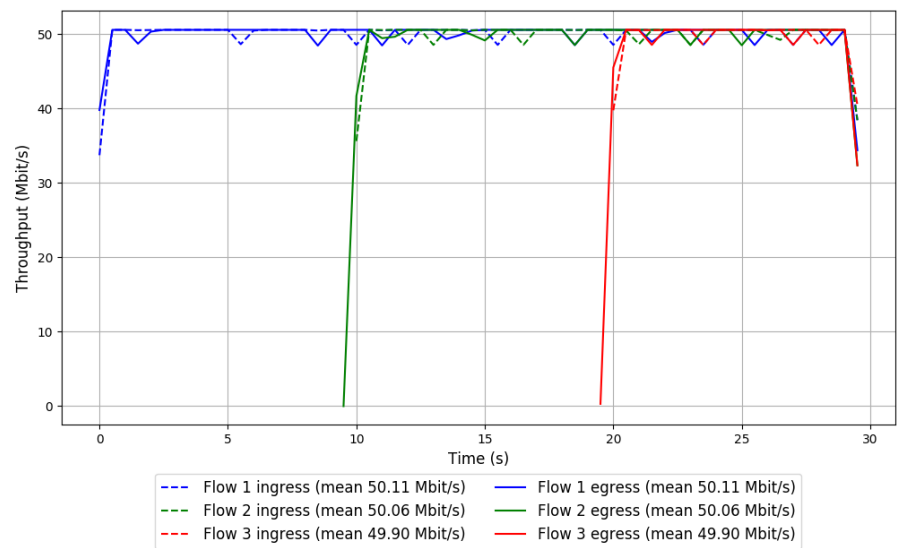


Run 3: Statistics of Sprout

Start at: 2017-11-16 08:04:46
End at: 2017-11-16 08:05:16
Local clock offset: 0.043 ms
Remote clock offset: 34.651 ms

```
# Below is generated by plot.py at 2017-11-16 14:54:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.87 Mbit/s
95th percentile per-packet one-way delay: -51.843 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: -51.881 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.06 Mbit/s
95th percentile per-packet one-way delay: -51.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: -51.582 ms
Loss rate: 0.21%
```


Run 3: Report of Sprout — Data Link

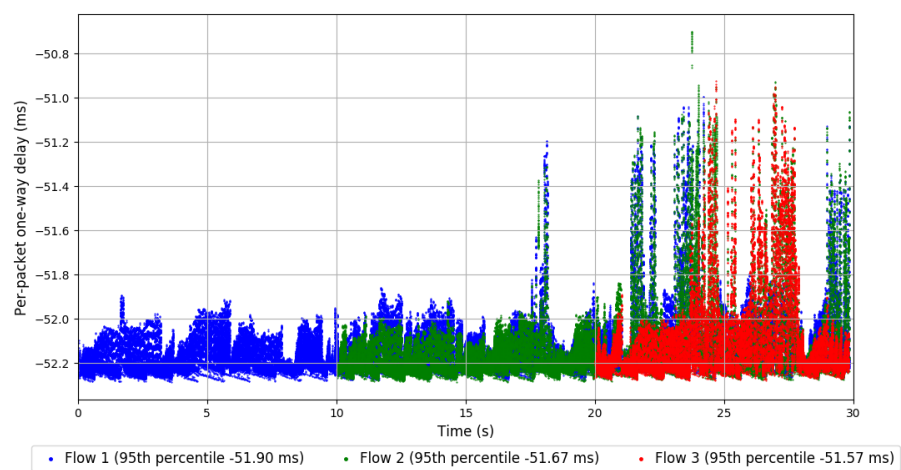
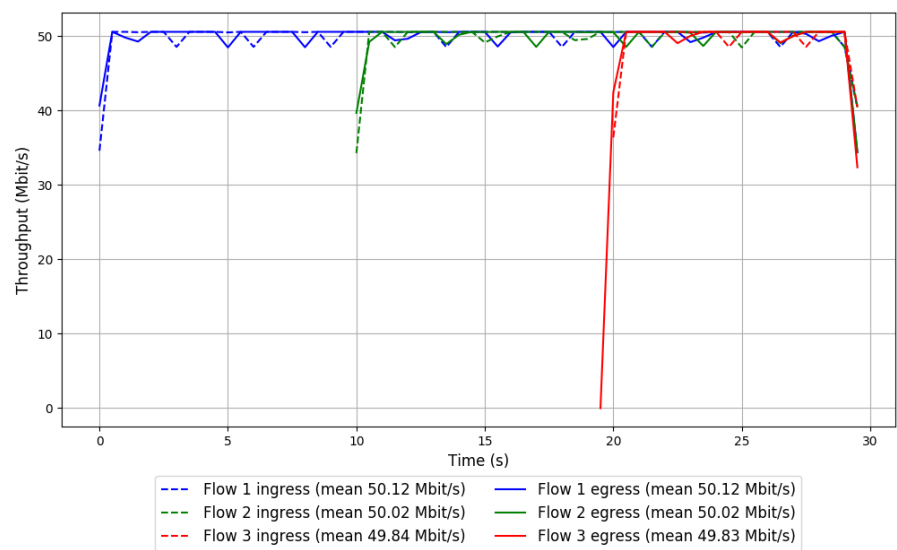


Run 4: Statistics of Sprout

Start at: 2017-11-16 08:23:40
End at: 2017-11-16 08:24:10
Local clock offset: -0.104 ms
Remote clock offset: 35.382 ms

```
# Below is generated by plot.py at 2017-11-16 14:54:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.79 Mbit/s
95th percentile per-packet one-way delay: -51.741 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: -51.899 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: -51.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: -51.574 ms
Loss rate: 0.21%
```

Run 4: Report of Sprout — Data Link

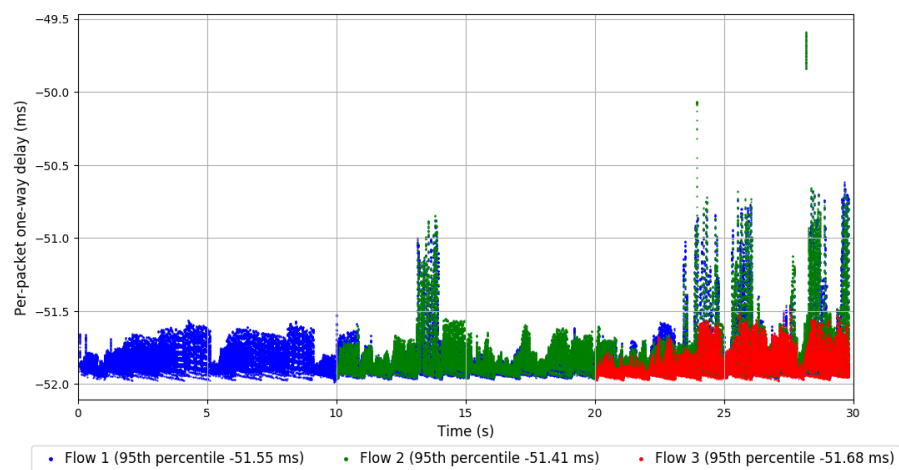
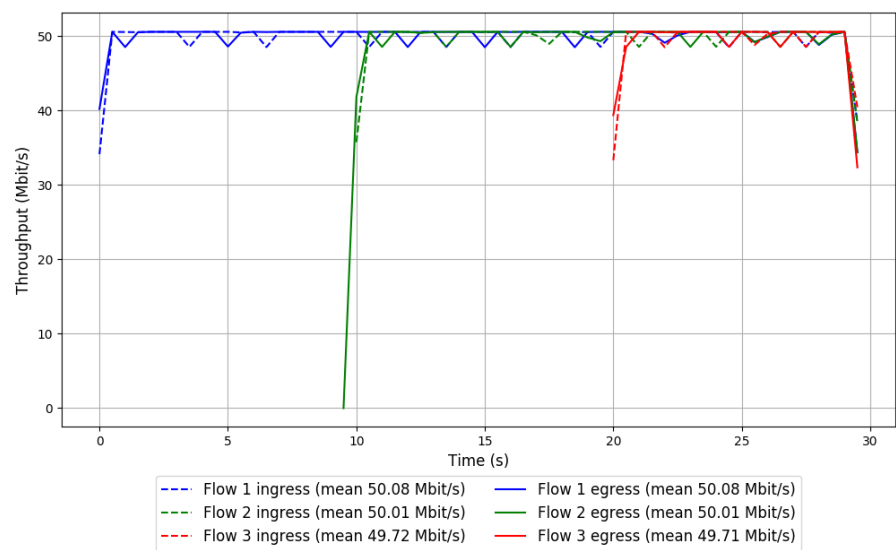


Run 5: Statistics of Sprout

Start at: 2017-11-16 08:42:33
End at: 2017-11-16 08:43:03
Local clock offset: -0.248 ms
Remote clock offset: 35.577 ms

```
# Below is generated by plot.py at 2017-11-16 14:54:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.70 Mbit/s
95th percentile per-packet one-way delay: -51.553 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: -51.552 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: -51.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: -51.677 ms
Loss rate: 0.21%
```

Run 5: Report of Sprout — Data Link

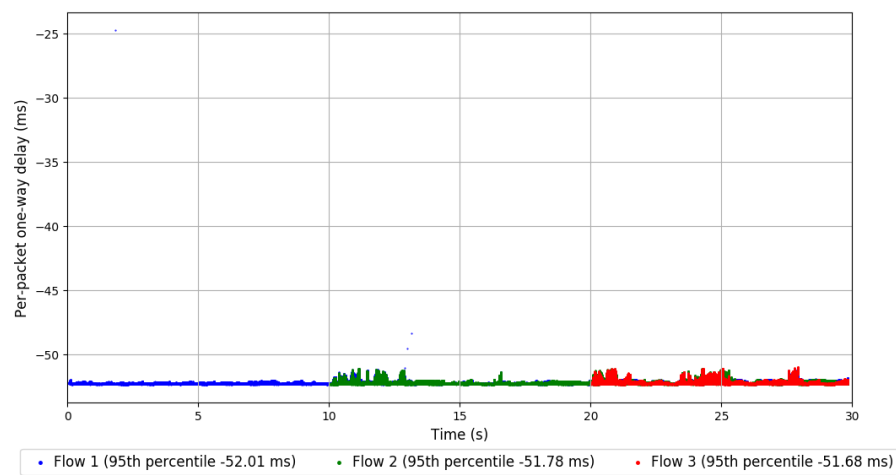
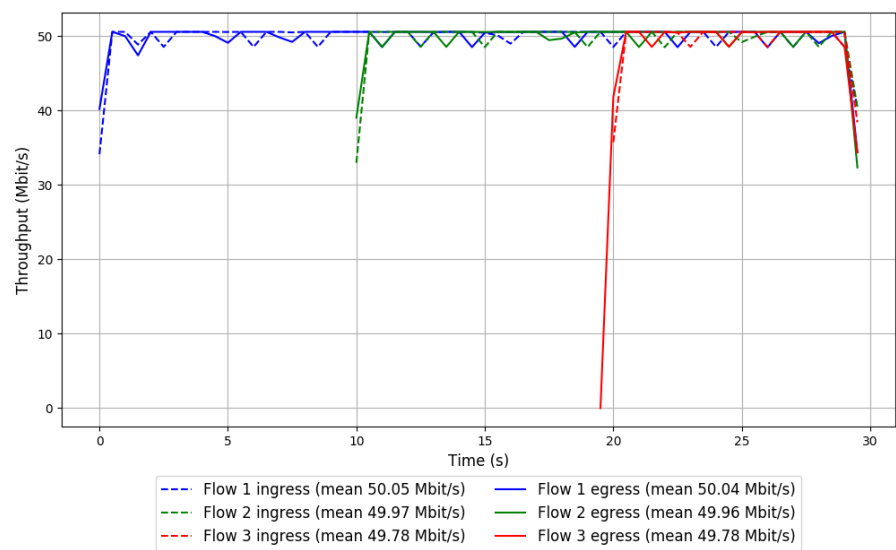


Run 6: Statistics of Sprout

Start at: 2017-11-16 09:01:37
End at: 2017-11-16 09:02:07
Local clock offset: -0.326 ms
Remote clock offset: 36.216 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.65 Mbit/s
95th percentile per-packet one-way delay: -51.881 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.04 Mbit/s
95th percentile per-packet one-way delay: -52.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.96 Mbit/s
95th percentile per-packet one-way delay: -51.779 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 49.78 Mbit/s
95th percentile per-packet one-way delay: -51.676 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

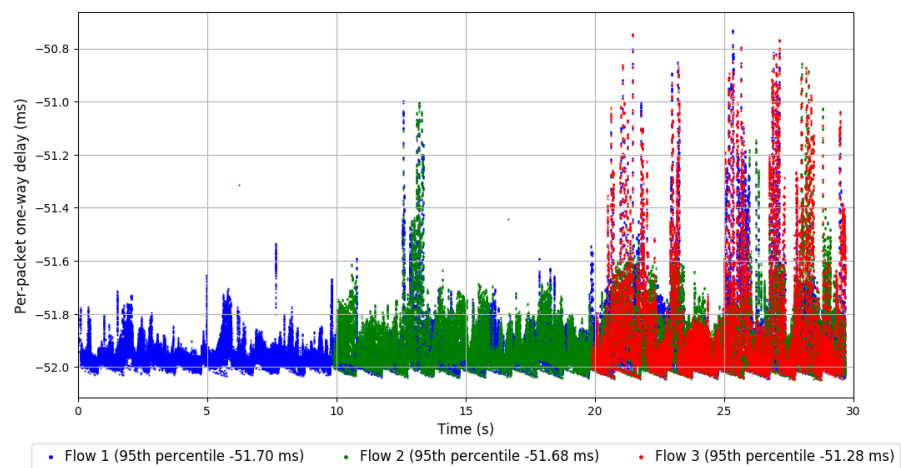
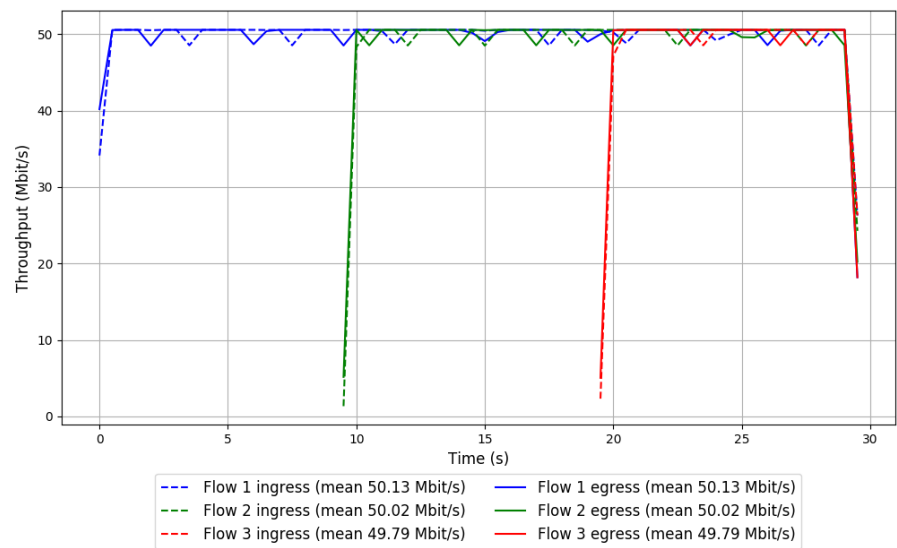


Run 7: Statistics of Sprout

Start at: 2017-11-16 09:20:39
End at: 2017-11-16 09:21:09
Local clock offset: -0.358 ms
Remote clock offset: 35.82 ms

```
# Below is generated by plot.py at 2017-11-16 14:54:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.05 Mbit/s
95th percentile per-packet one-way delay: -51.607 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.13 Mbit/s
95th percentile per-packet one-way delay: -51.705 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 50.02 Mbit/s
95th percentile per-packet one-way delay: -51.679 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: -51.283 ms
Loss rate: 0.21%
```


Run 7: Report of Sprout — Data Link

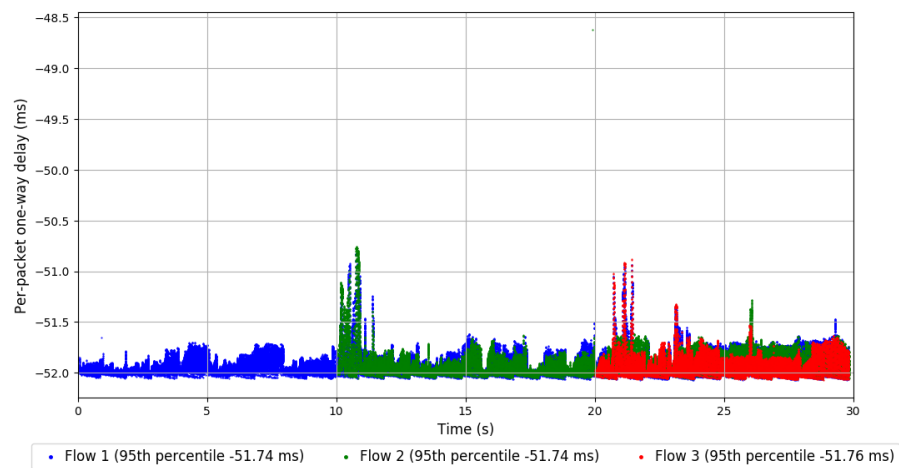
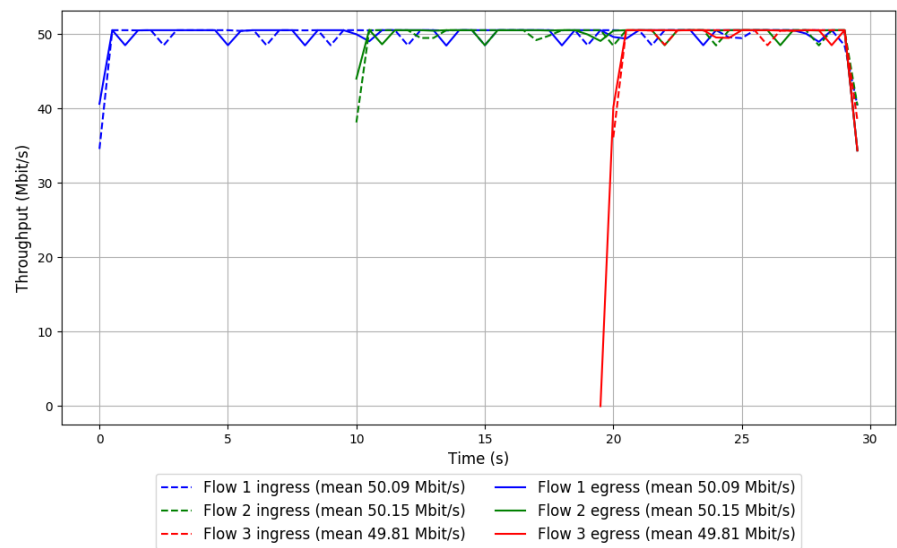


Run 8: Statistics of Sprout

Start at: 2017-11-16 09:39:35
End at: 2017-11-16 09:40:05
Local clock offset: -0.376 ms
Remote clock offset: 35.102 ms

```
# Below is generated by plot.py at 2017-11-16 14:54:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.83 Mbit/s
95th percentile per-packet one-way delay: -51.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.09 Mbit/s
95th percentile per-packet one-way delay: -51.741 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: -51.740 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: -51.756 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

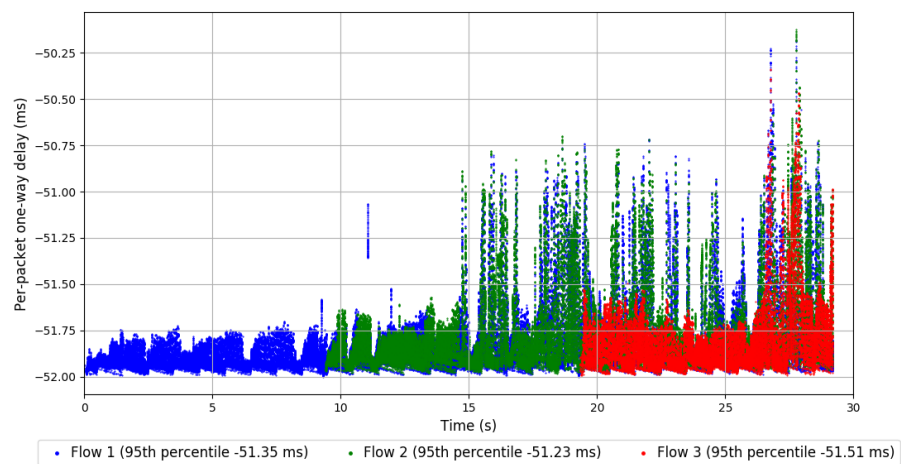
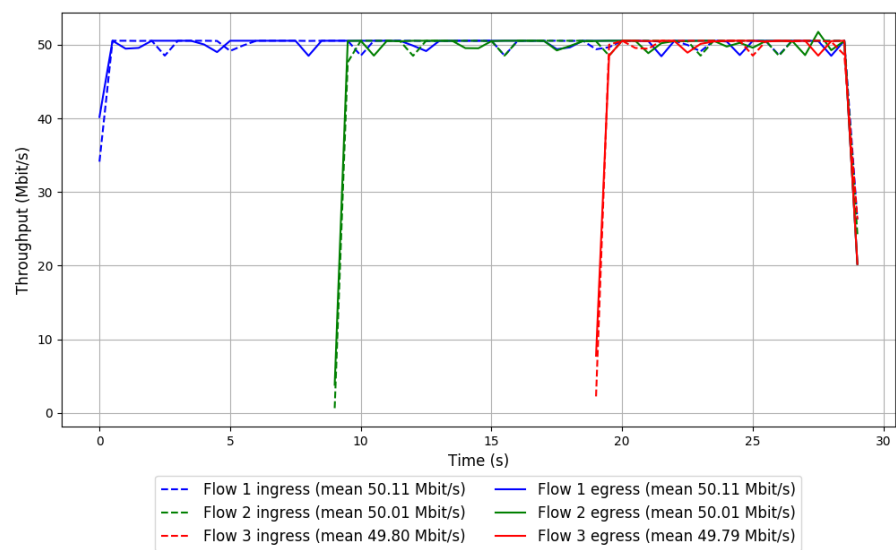


Run 9: Statistics of Sprout

Start at: 2017-11-16 09:58:32
End at: 2017-11-16 09:59:02
Local clock offset: -0.292 ms
Remote clock offset: 34.942 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.89 Mbit/s
95th percentile per-packet one-way delay: -51.311 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: -51.350 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: -51.226 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: -51.509 ms
Loss rate: 0.02%

Run 9: Report of Sprout — Data Link

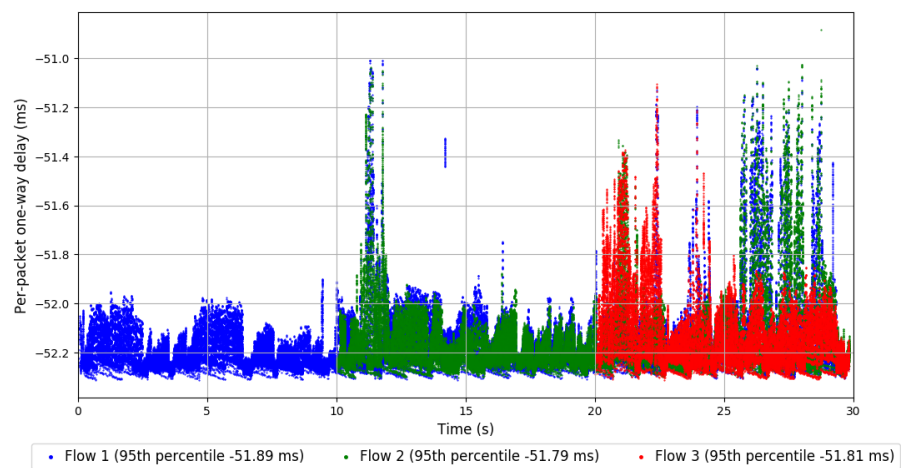
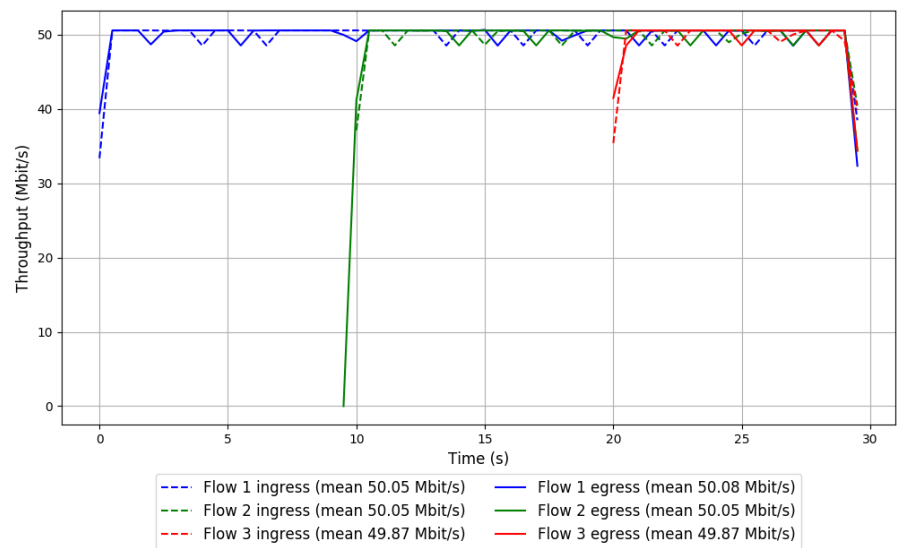


Run 10: Statistics of Sprout

Start at: 2017-11-16 10:17:35
End at: 2017-11-16 10:18:05
Local clock offset: -0.22 ms
Remote clock offset: 35.514 ms

Below is generated by plot.py at 2017-11-16 14:54:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.76 Mbit/s
95th percentile per-packet one-way delay: -51.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: -51.890 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: -51.786 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: -51.809 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

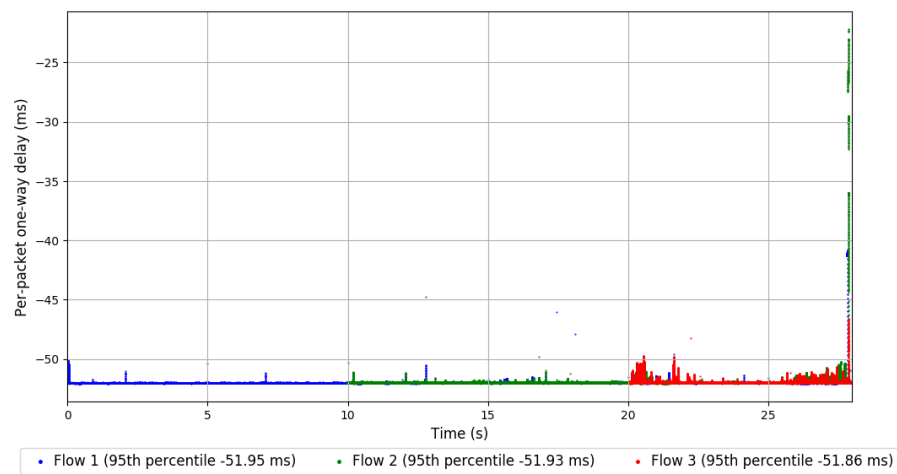
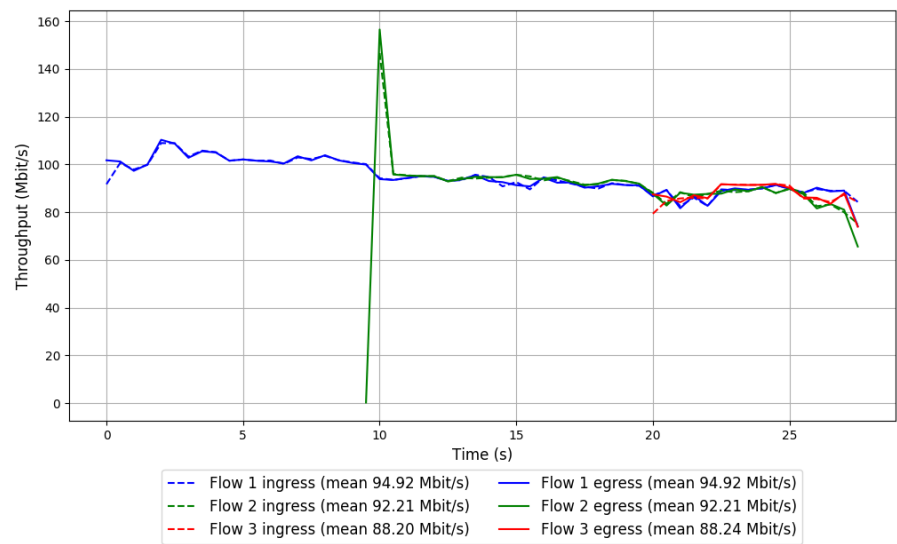


Run 1: Statistics of TaoVA-100x

Start at: 2017-11-16 07:30:57
End at: 2017-11-16 07:31:27
Local clock offset: 0.459 ms
Remote clock offset: 32.931 ms

Below is generated by plot.py at 2017-11-16 14:57:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.14 Mbit/s
95th percentile per-packet one-way delay: -51.938 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: -51.951 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: -51.928 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: -51.859 ms
Loss rate: 0.06%

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

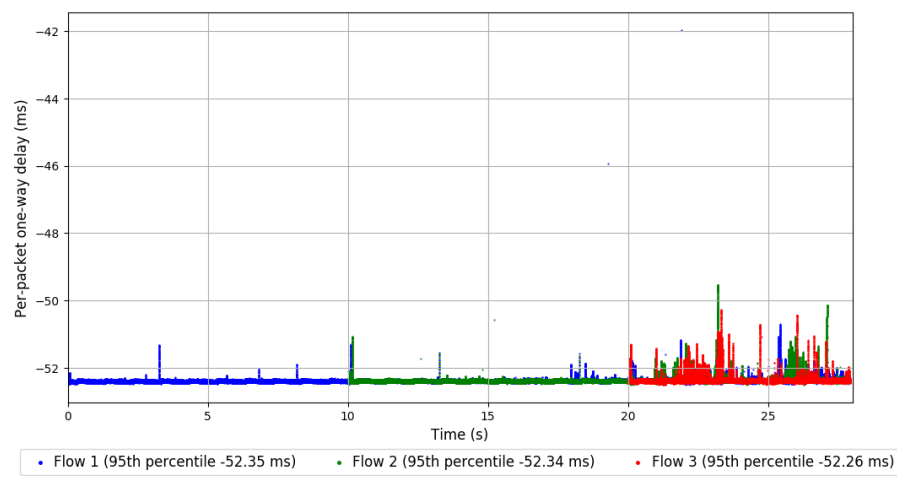
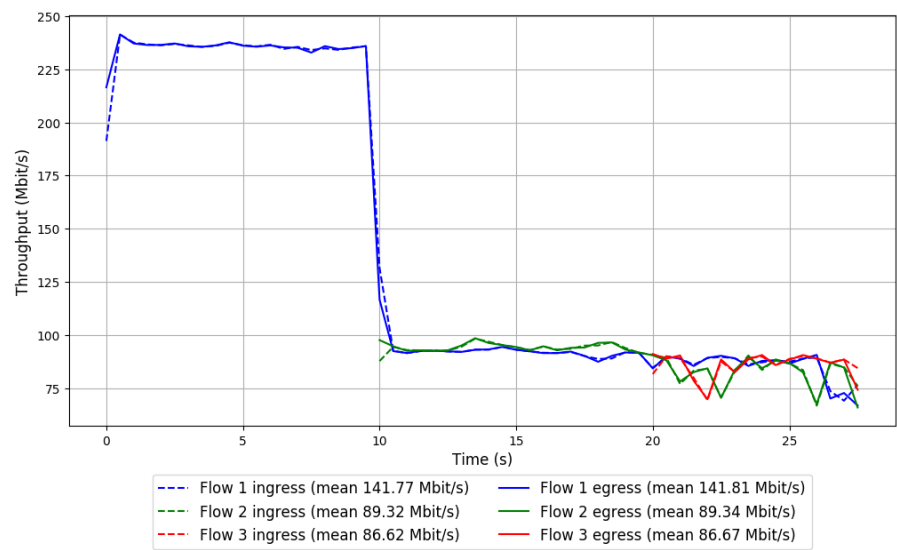


Run 2: Statistics of TaoVA-100x

Start at: 2017-11-16 07:49:22
End at: 2017-11-16 07:49:52
Local clock offset: 0.153 ms
Remote clock offset: 34.072 ms

Below is generated by plot.py at 2017-11-16 14:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 223.70 Mbit/s
95th percentile per-packet one-way delay: -52.343 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 141.81 Mbit/s
95th percentile per-packet one-way delay: -52.351 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: -52.335 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 86.67 Mbit/s
95th percentile per-packet one-way delay: -52.262 ms
Loss rate: 0.07%

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

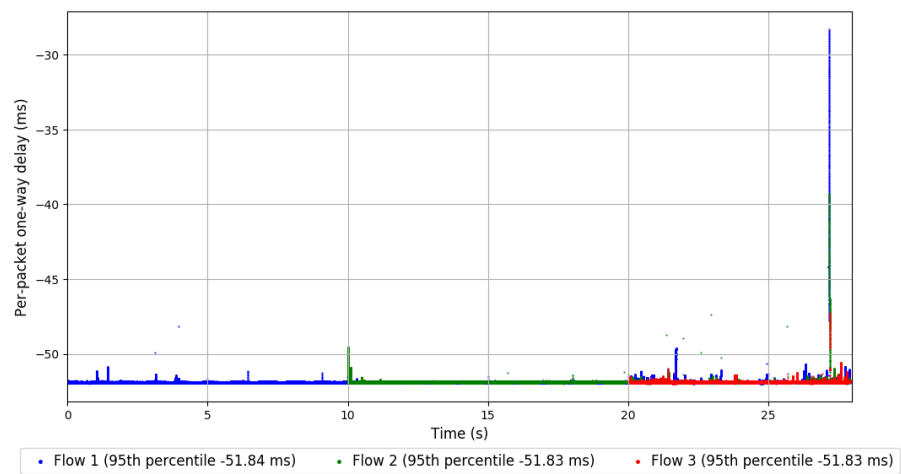
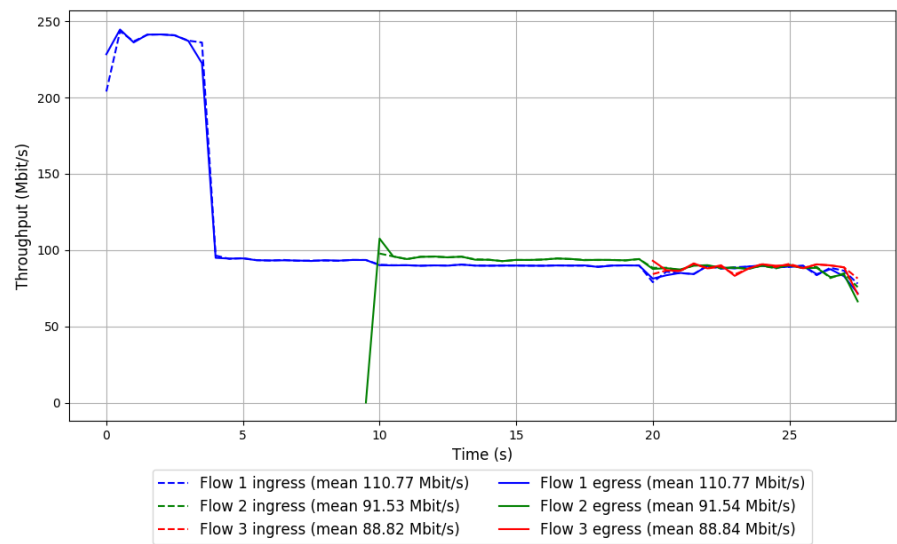


Run 3: Statistics of TaoVA-100x

Start at: 2017-11-16 08:08:15
End at: 2017-11-16 08:08:46
Local clock offset: 0.009 ms
Remote clock offset: 34.385 ms

Below is generated by plot.py at 2017-11-16 14:58:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 194.74 Mbit/s
95th percentile per-packet one-way delay: -51.838 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 110.77 Mbit/s
95th percentile per-packet one-way delay: -51.844 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: -51.834 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 88.84 Mbit/s
95th percentile per-packet one-way delay: -51.829 ms
Loss rate: 0.06%

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

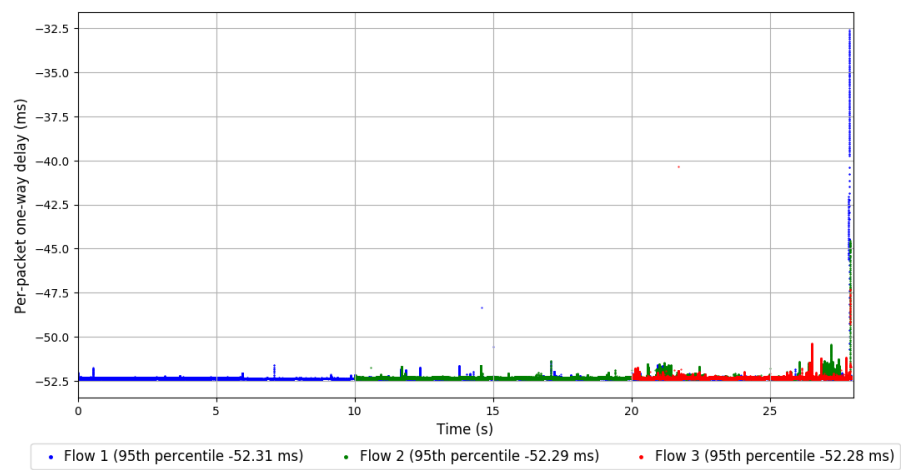
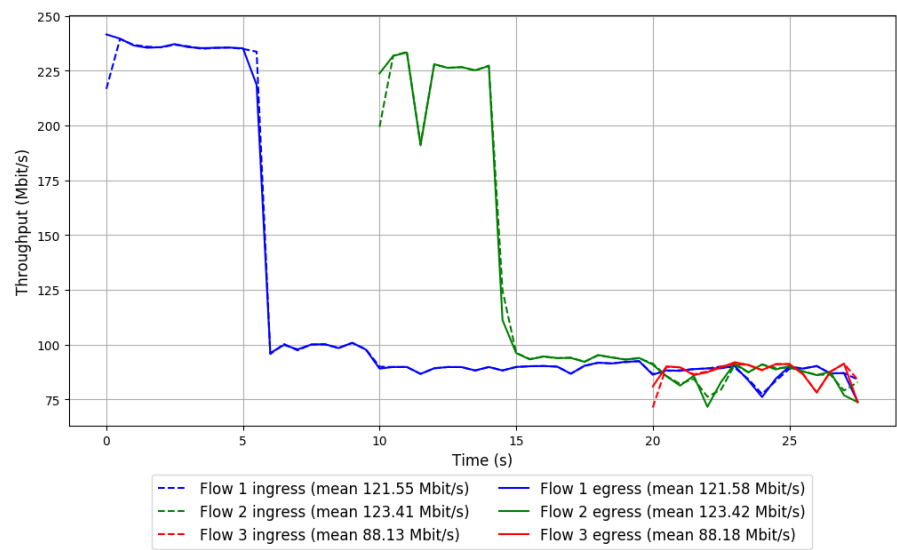


Run 4: Statistics of TaoVA-100x

Start at: 2017-11-16 08:27:09
End at: 2017-11-16 08:27:39
Local clock offset: -0.111 ms
Remote clock offset: 35.617 ms

Below is generated by plot.py at 2017-11-16 15:00:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.76 Mbit/s
95th percentile per-packet one-way delay: -52.294 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 121.58 Mbit/s
95th percentile per-packet one-way delay: -52.306 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 123.42 Mbit/s
95th percentile per-packet one-way delay: -52.287 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: -52.278 ms
Loss rate: 0.07%

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

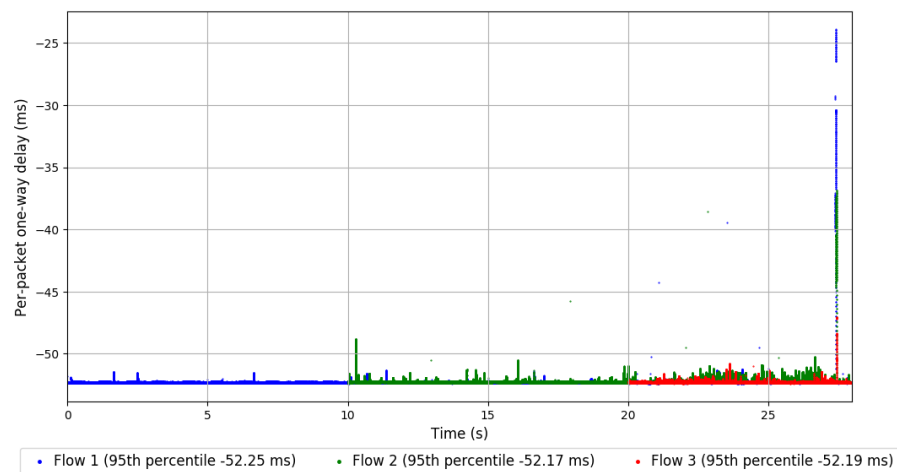
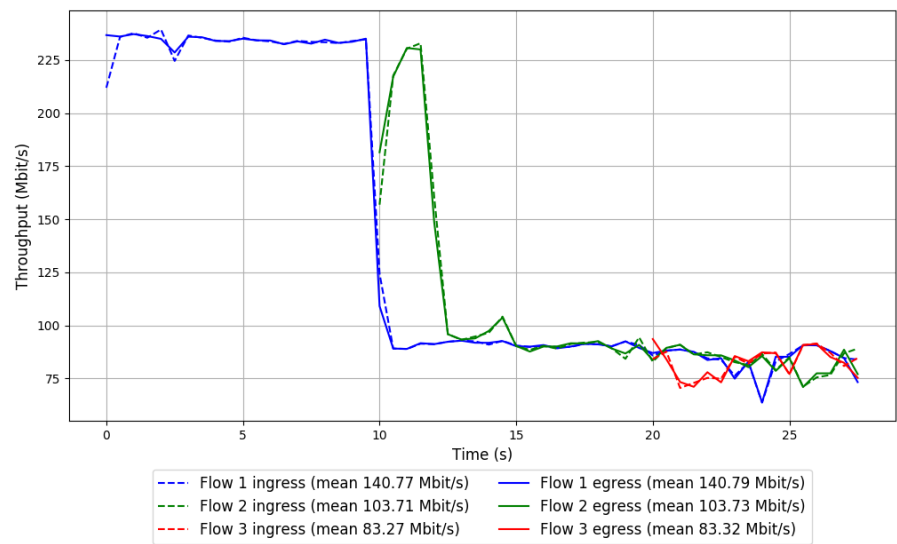


Run 5: Statistics of TaoVA-100x

Start at: 2017-11-16 08:46:02
End at: 2017-11-16 08:46:32
Local clock offset: -0.263 ms
Remote clock offset: 35.988 ms

Below is generated by plot.py at 2017-11-16 15:00:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 230.93 Mbit/s
95th percentile per-packet one-way delay: -52.237 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 140.79 Mbit/s
95th percentile per-packet one-way delay: -52.254 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 103.73 Mbit/s
95th percentile per-packet one-way delay: -52.170 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: -52.189 ms
Loss rate: 0.02%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-11-16 09:05:06

End at: 2017-11-16 09:05:36

Local clock offset: -0.319 ms

Remote clock offset: 36.35 ms

Below is generated by plot.py at 2017-11-16 15:00:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 226.86 Mbit/s

95th percentile per-packet one-way delay: -52.303 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 142.33 Mbit/s

95th percentile per-packet one-way delay: -52.308 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 91.76 Mbit/s

95th percentile per-packet one-way delay: -52.294 ms

Loss rate: 0.02%

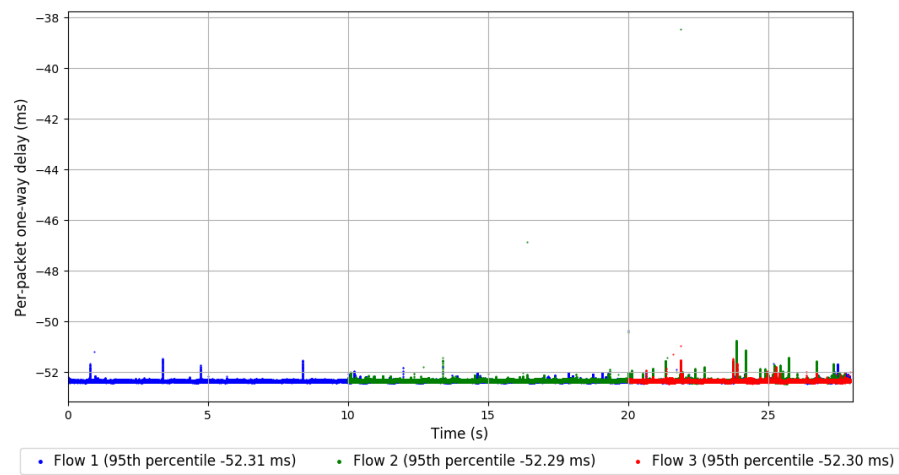
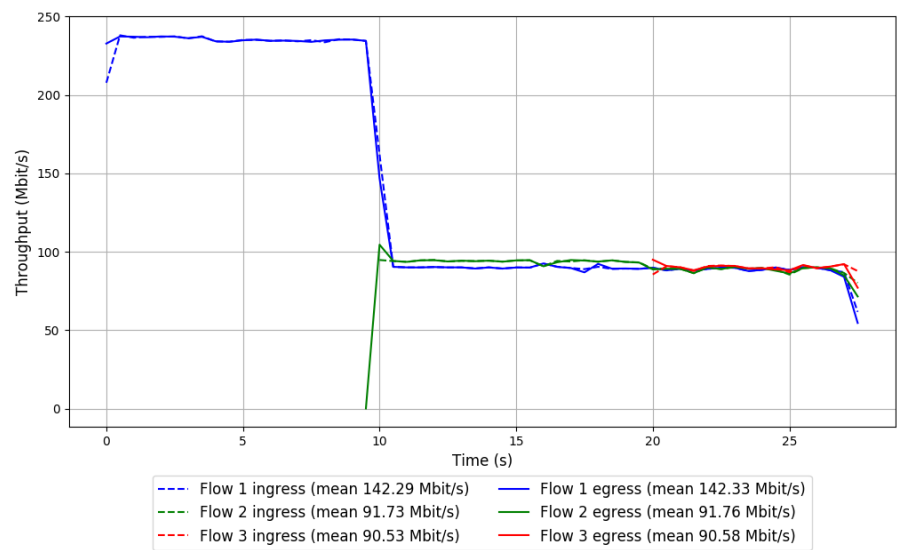
-- Flow 3:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: -52.304 ms

Loss rate: 0.06%

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

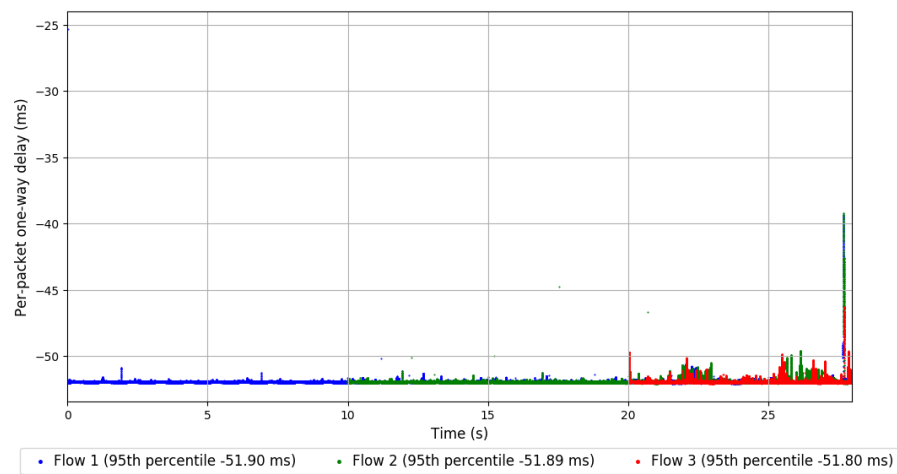
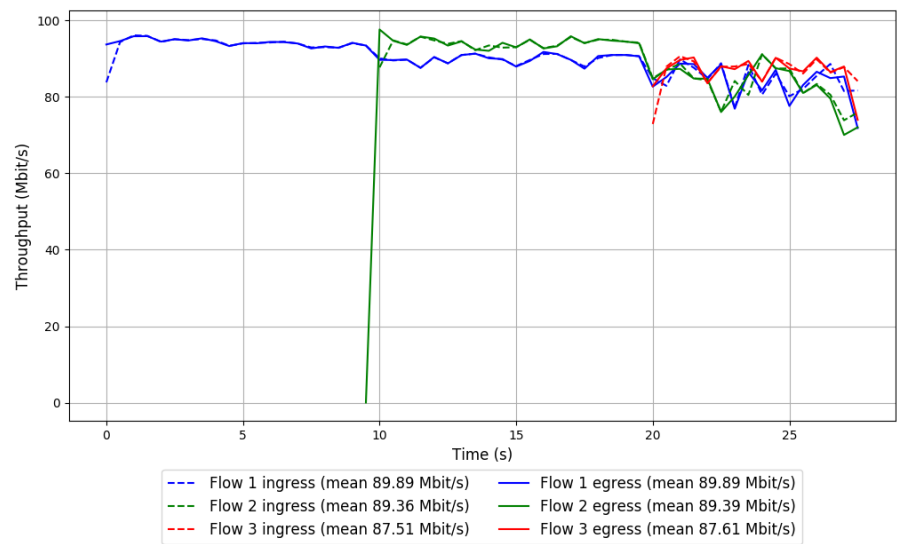


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-16 09:24:08
End at: 2017-11-16 09:24:38
Local clock offset: -0.366 ms
Remote clock offset: 35.632 ms

Below is generated by plot.py at 2017-11-16 15:00:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.08 Mbit/s
95th percentile per-packet one-way delay: -51.894 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: -51.900 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: -51.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: -51.795 ms
Loss rate: 0.04%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-11-16 09:43:04

End at: 2017-11-16 09:43:34

Local clock offset: -0.366 ms

Remote clock offset: 35.03 ms

Below is generated by plot.py at 2017-11-16 15:00:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 226.93 Mbit/s

95th percentile per-packet one-way delay: -52.029 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 141.47 Mbit/s

95th percentile per-packet one-way delay: -52.035 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: -52.019 ms

Loss rate: 0.03%

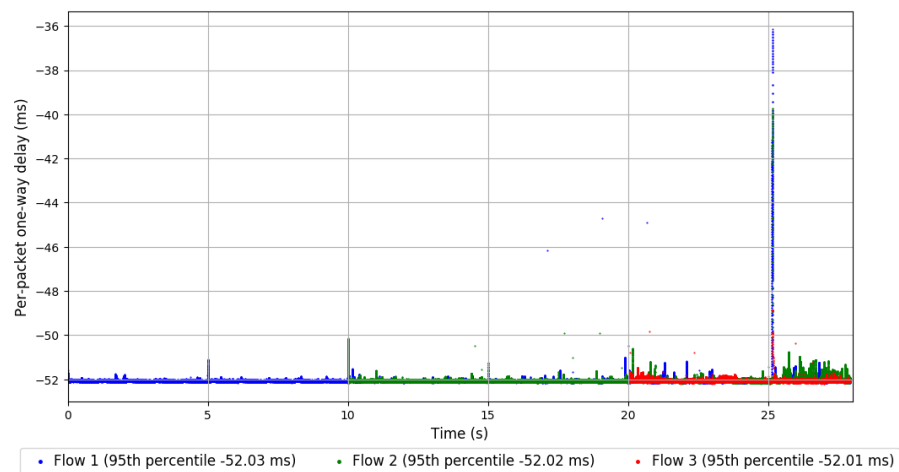
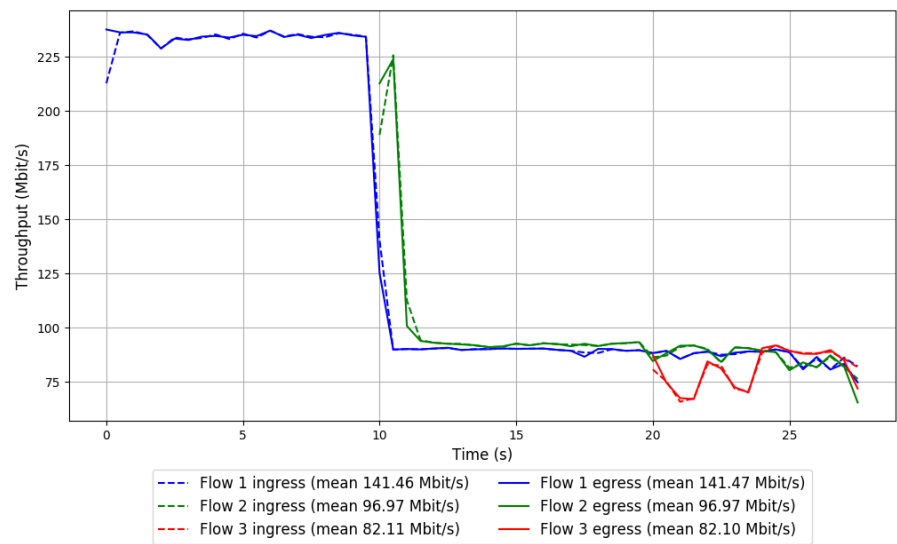
-- Flow 3:

Average throughput: 82.10 Mbit/s

95th percentile per-packet one-way delay: -52.005 ms

Loss rate: 0.07%

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

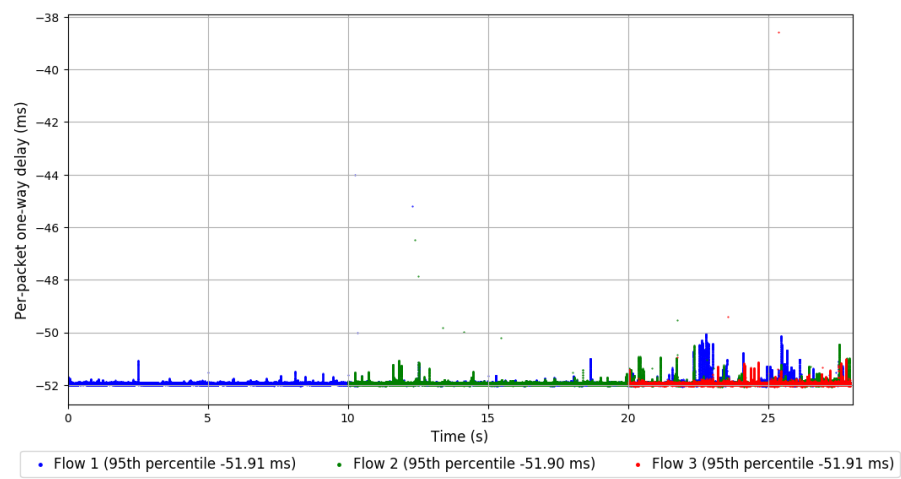
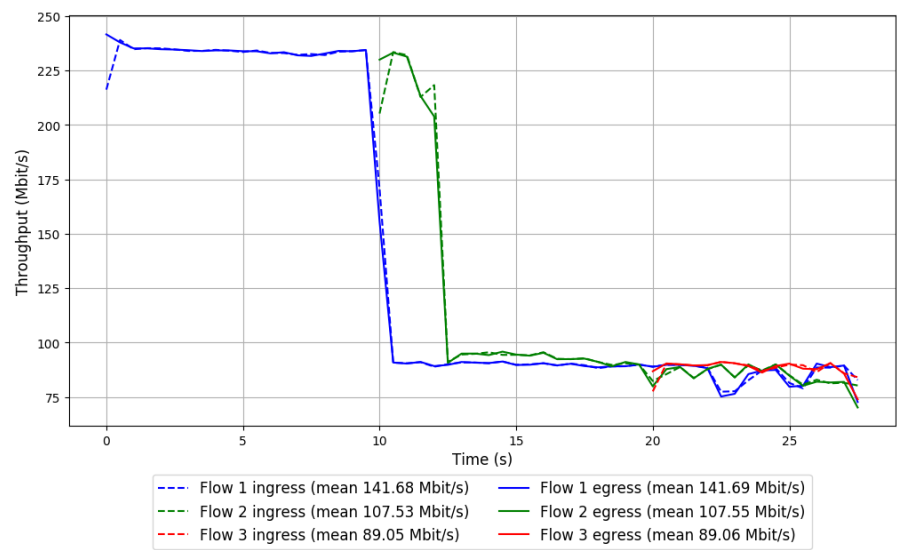


Run 9: Statistics of TaoVA-100x

Start at: 2017-11-16 10:02:01
End at: 2017-11-16 10:02:31
Local clock offset: -0.293 ms
Remote clock offset: 34.972 ms

Below is generated by plot.py at 2017-11-16 15:03:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.91 Mbit/s
95th percentile per-packet one-way delay: -51.908 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 141.69 Mbit/s
95th percentile per-packet one-way delay: -51.910 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 107.55 Mbit/s
95th percentile per-packet one-way delay: -51.903 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 89.06 Mbit/s
95th percentile per-packet one-way delay: -51.908 ms
Loss rate: 0.06%

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

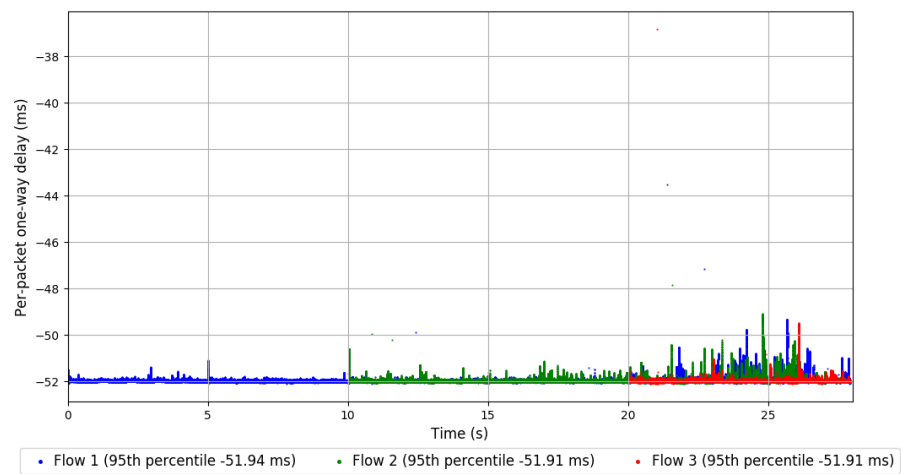
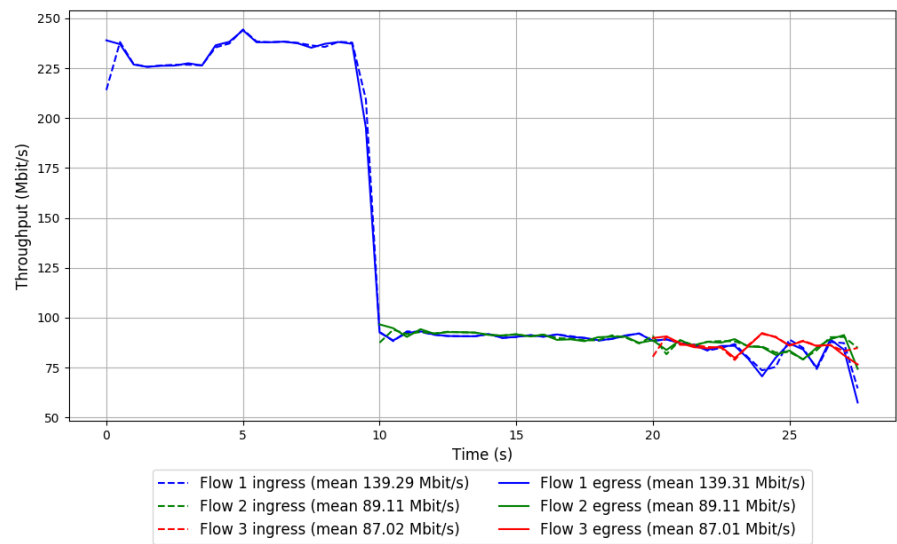


Run 10: Statistics of TaoVA-100x

Start at: 2017-11-16 10:21:04
End at: 2017-11-16 10:21:34
Local clock offset: -0.227 ms
Remote clock offset: 35.264 ms

Below is generated by plot.py at 2017-11-16 15:03:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.13 Mbit/s
95th percentile per-packet one-way delay: -51.933 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 139.31 Mbit/s
95th percentile per-packet one-way delay: -51.941 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: -51.915 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: -51.915 ms
Loss rate: 0.07%

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

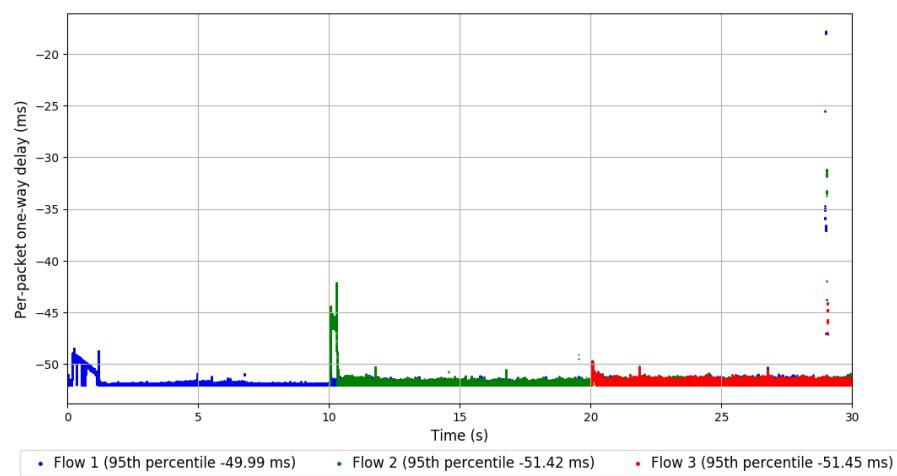
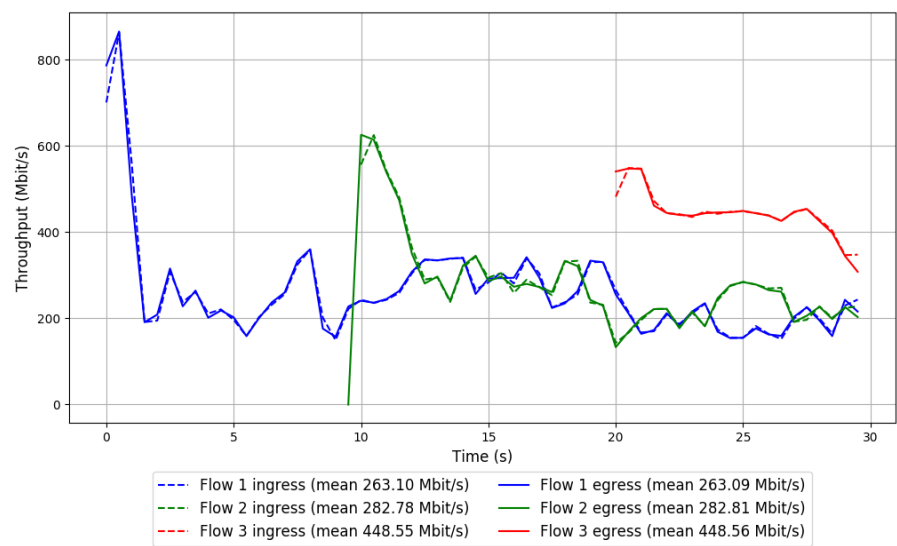


Run 1: Statistics of TCP Vegas

Start at: 2017-11-16 07:35:39
End at: 2017-11-16 07:36:09
Local clock offset: 0.371 ms
Remote clock offset: 33.142 ms

Below is generated by plot.py at 2017-11-16 15:06:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 599.91 Mbit/s
95th percentile per-packet one-way delay: -50.649 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 263.09 Mbit/s
95th percentile per-packet one-way delay: -49.990 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 282.81 Mbit/s
95th percentile per-packet one-way delay: -51.420 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 448.56 Mbit/s
95th percentile per-packet one-way delay: -51.455 ms
Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link

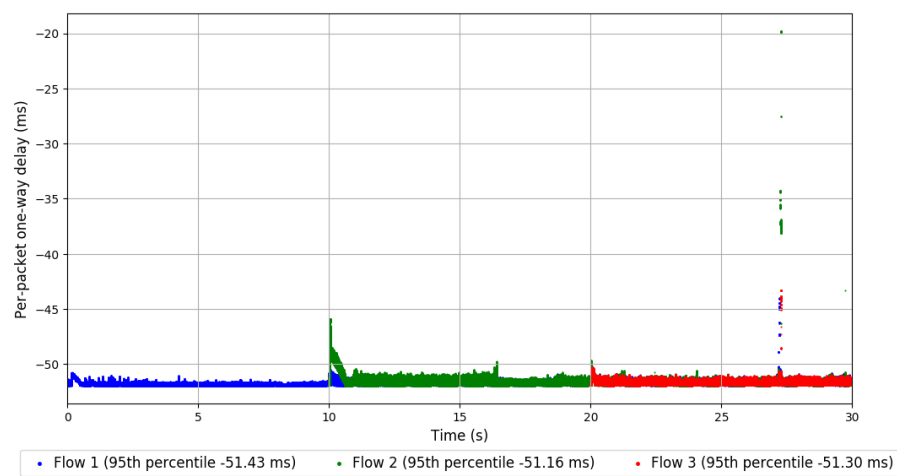
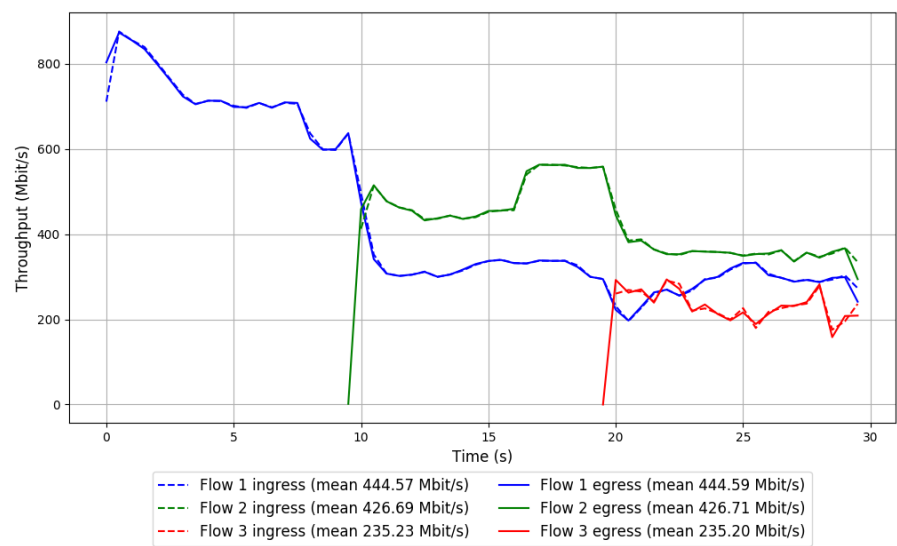


Run 2: Statistics of TCP Vegas

Start at: 2017-11-16 07:54:08
End at: 2017-11-16 07:54:38
Local clock offset: 0.152 ms
Remote clock offset: 33.812 ms

Below is generated by plot.py at 2017-11-16 15:09:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 807.01 Mbit/s
95th percentile per-packet one-way delay: -51.310 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 444.59 Mbit/s
95th percentile per-packet one-way delay: -51.432 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 426.71 Mbit/s
95th percentile per-packet one-way delay: -51.155 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 235.20 Mbit/s
95th percentile per-packet one-way delay: -51.299 ms
Loss rate: 0.05%

Run 2: Report of TCP Vegas — Data Link

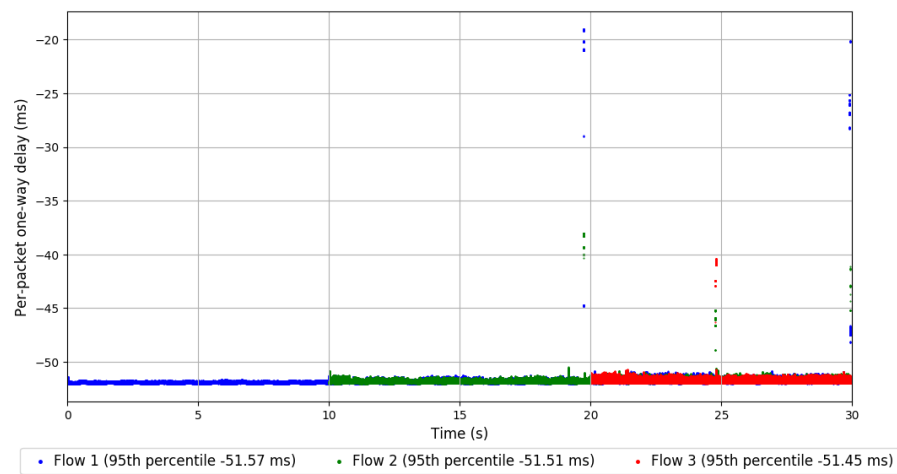
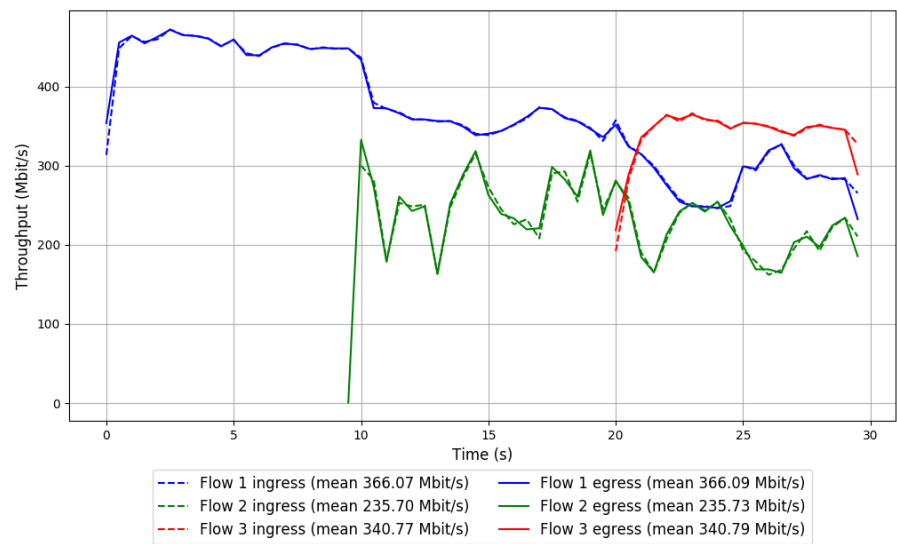


Run 3: Statistics of TCP Vegas

Start at: 2017-11-16 08:12:58
End at: 2017-11-16 08:13:28
Local clock offset: -0.046 ms
Remote clock offset: 34.655 ms

Below is generated by plot.py at 2017-11-16 15:09:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 636.04 Mbit/s
95th percentile per-packet one-way delay: -51.518 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 366.09 Mbit/s
95th percentile per-packet one-way delay: -51.566 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 235.73 Mbit/s
95th percentile per-packet one-way delay: -51.505 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 340.79 Mbit/s
95th percentile per-packet one-way delay: -51.451 ms
Loss rate: 0.04%

Run 3: Report of TCP Vegas — Data Link

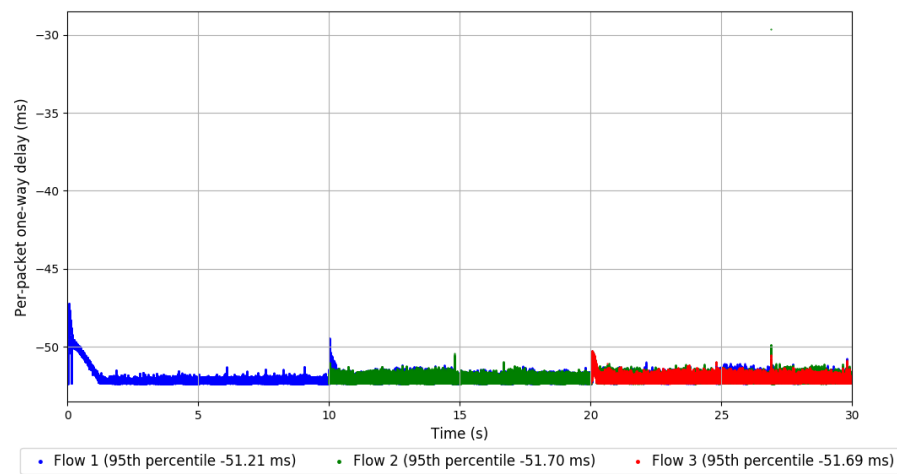
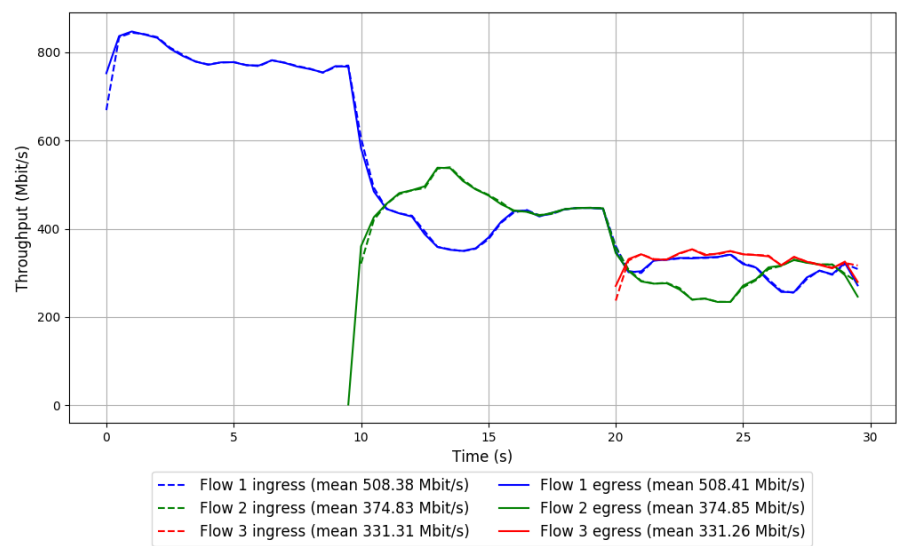


Run 4: Statistics of TCP Vegas

Start at: 2017-11-16 08:31:55
End at: 2017-11-16 08:32:25
Local clock offset: -0.162 ms
Remote clock offset: 35.739 ms

Below is generated by plot.py at 2017-11-16 15:12:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 867.91 Mbit/s
95th percentile per-packet one-way delay: -51.586 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 508.41 Mbit/s
95th percentile per-packet one-way delay: -51.206 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 374.85 Mbit/s
95th percentile per-packet one-way delay: -51.704 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 331.26 Mbit/s
95th percentile per-packet one-way delay: -51.692 ms
Loss rate: 0.05%

Run 4: Report of TCP Vegas — Data Link

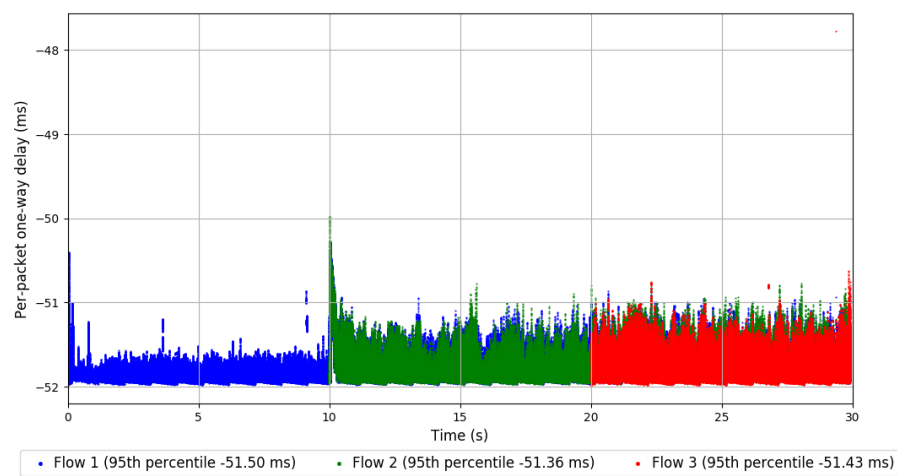
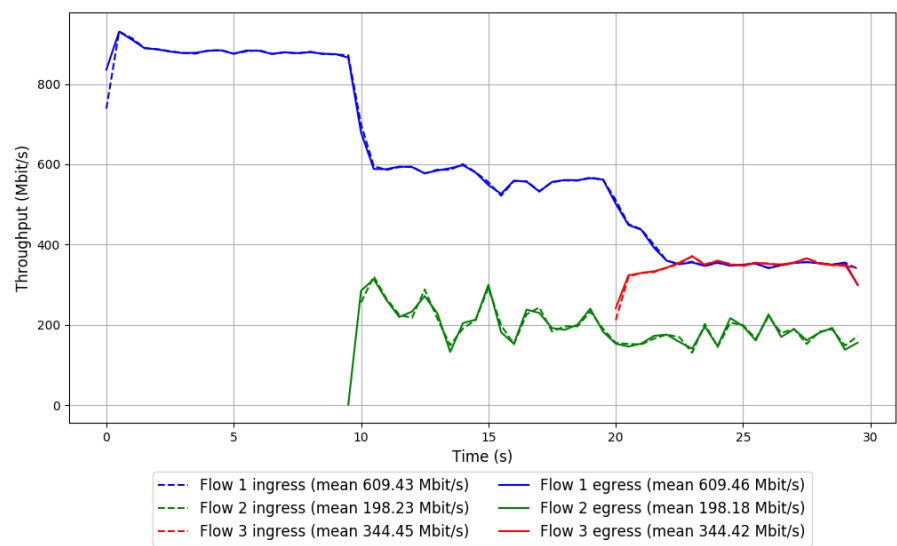


Run 5: Statistics of TCP Vegas

Start at: 2017-11-16 08:50:49
End at: 2017-11-16 08:51:19
Local clock offset: -0.265 ms
Remote clock offset: 35.693 ms

```
# Below is generated by plot.py at 2017-11-16 15:12:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 855.67 Mbit/s
95th percentile per-packet one-way delay: -51.457 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 609.46 Mbit/s
95th percentile per-packet one-way delay: -51.497 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 198.18 Mbit/s
95th percentile per-packet one-way delay: -51.363 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 344.42 Mbit/s
95th percentile per-packet one-way delay: -51.431 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Vegas — Data Link

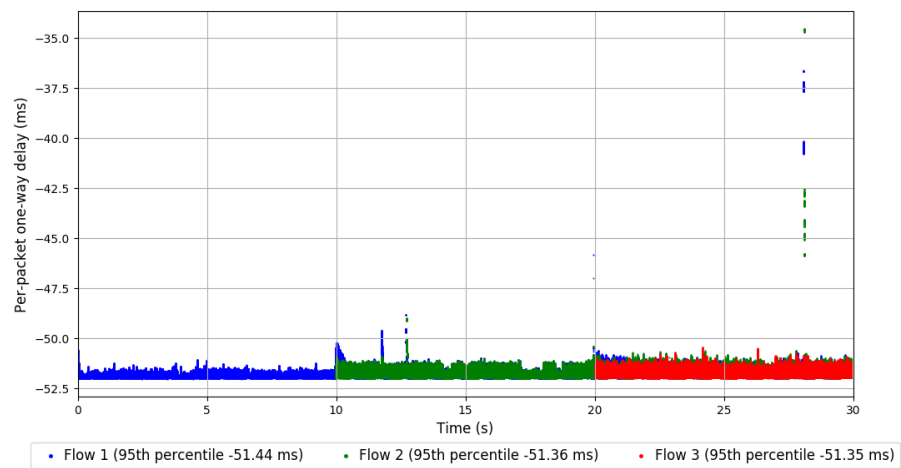
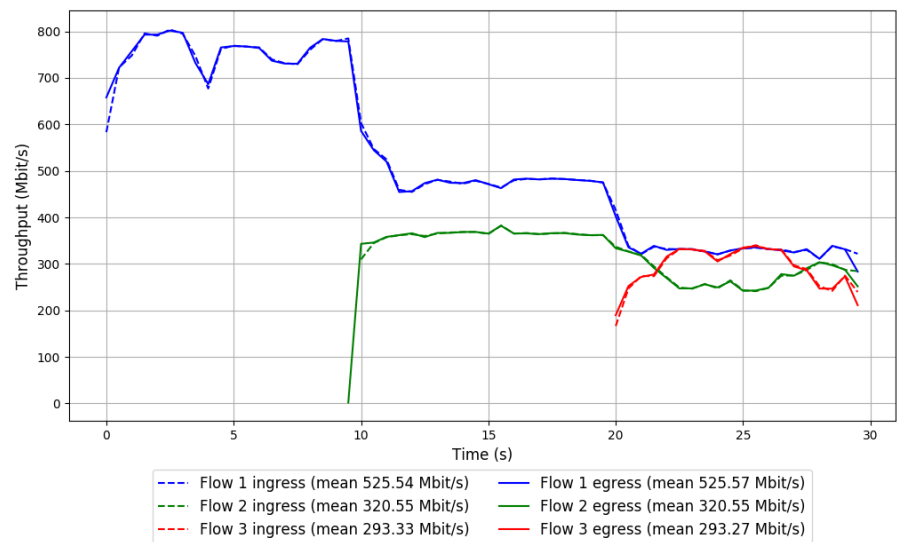


Run 6: Statistics of TCP Vegas

Start at: 2017-11-16 09:09:51
End at: 2017-11-16 09:10:21
Local clock offset: -0.337 ms
Remote clock offset: 35.999 ms

Below is generated by plot.py at 2017-11-16 15:12:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 836.40 Mbit/s
95th percentile per-packet one-way delay: -51.395 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 525.57 Mbit/s
95th percentile per-packet one-way delay: -51.439 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 320.55 Mbit/s
95th percentile per-packet one-way delay: -51.356 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 293.27 Mbit/s
95th percentile per-packet one-way delay: -51.350 ms
Loss rate: 0.04%

Run 6: Report of TCP Vegas — Data Link

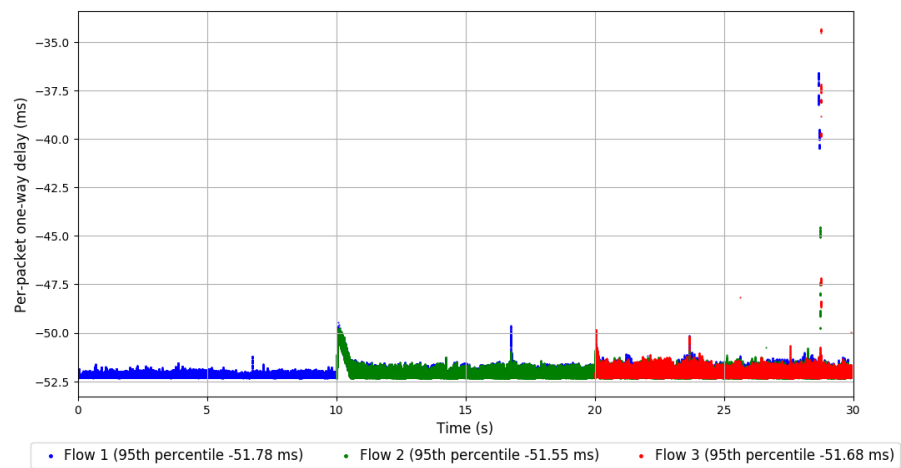
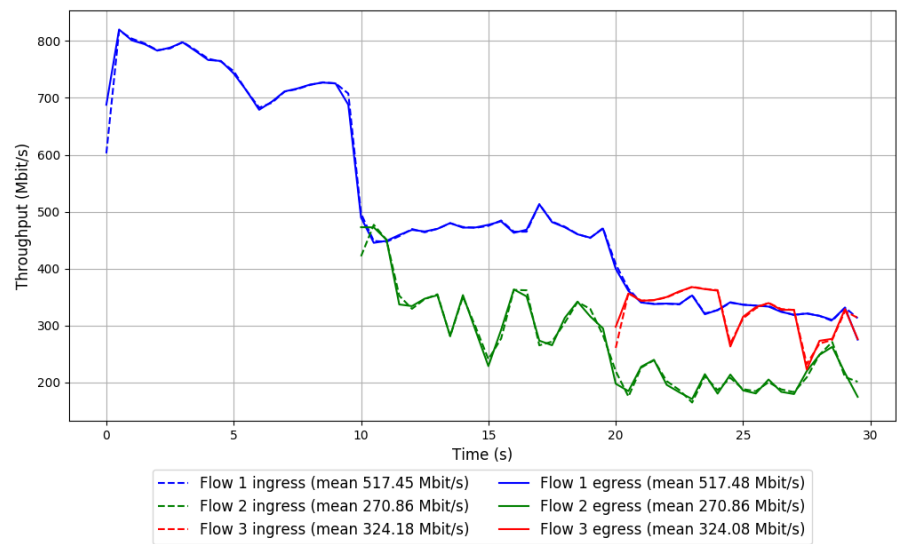


Run 7: Statistics of TCP Vegas

Start at: 2017-11-16 09:28:51
End at: 2017-11-16 09:29:21
Local clock offset: -0.319 ms
Remote clock offset: 35.834 ms

Below is generated by plot.py at 2017-11-16 15:14:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 805.07 Mbit/s
95th percentile per-packet one-way delay: -51.719 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 517.48 Mbit/s
95th percentile per-packet one-way delay: -51.780 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 270.86 Mbit/s
95th percentile per-packet one-way delay: -51.545 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 324.08 Mbit/s
95th percentile per-packet one-way delay: -51.678 ms
Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-11-16 09:47:51

End at: 2017-11-16 09:48:21

Local clock offset: -0.293 ms

Remote clock offset: 35.17 ms

Below is generated by plot.py at 2017-11-16 15:14:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 734.08 Mbit/s

95th percentile per-packet one-way delay: -51.241 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 452.83 Mbit/s

95th percentile per-packet one-way delay: -48.860 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 252.03 Mbit/s

95th percentile per-packet one-way delay: -51.836 ms

Loss rate: 0.02%

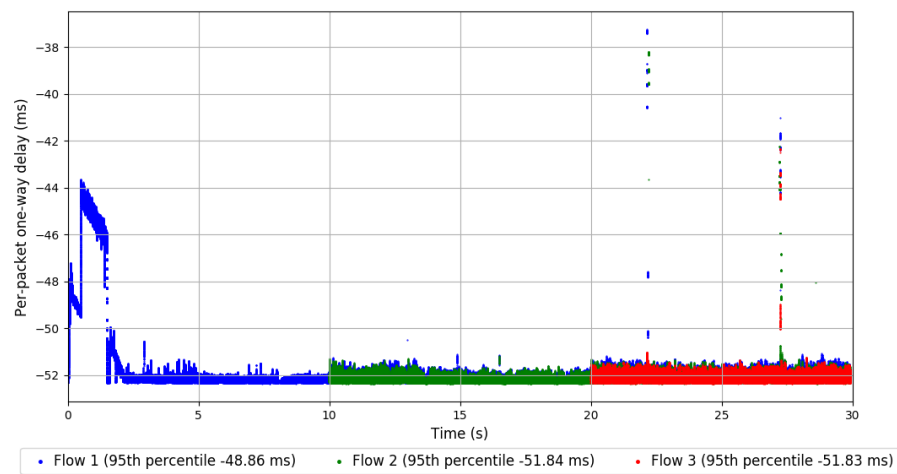
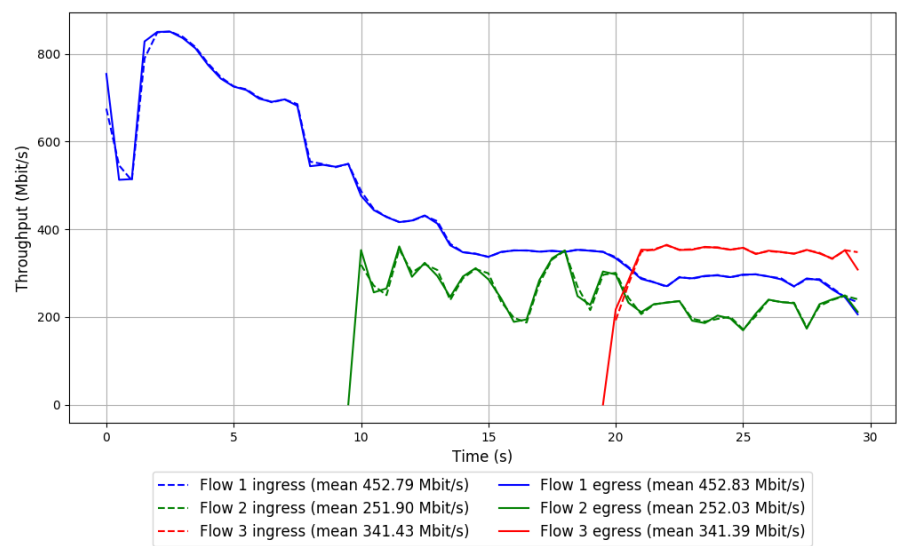
-- Flow 3:

Average throughput: 341.39 Mbit/s

95th percentile per-packet one-way delay: -51.831 ms

Loss rate: 0.05%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-11-16 10:06:46

End at: 2017-11-16 10:07:16

Local clock offset: -0.267 ms

Remote clock offset: 35.37 ms

Below is generated by plot.py at 2017-11-16 15:18:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 814.88 Mbit/s

95th percentile per-packet one-way delay: -51.365 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 551.70 Mbit/s

95th percentile per-packet one-way delay: -50.728 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 224.44 Mbit/s

95th percentile per-packet one-way delay: -51.760 ms

Loss rate: 0.02%

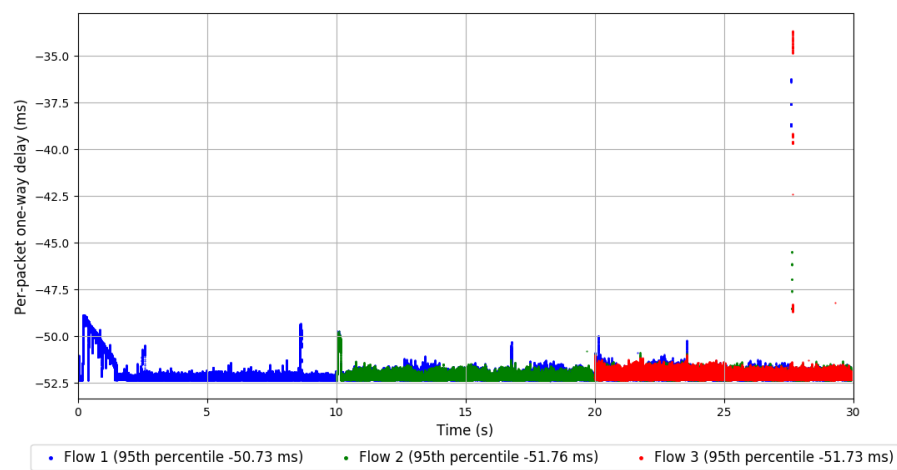
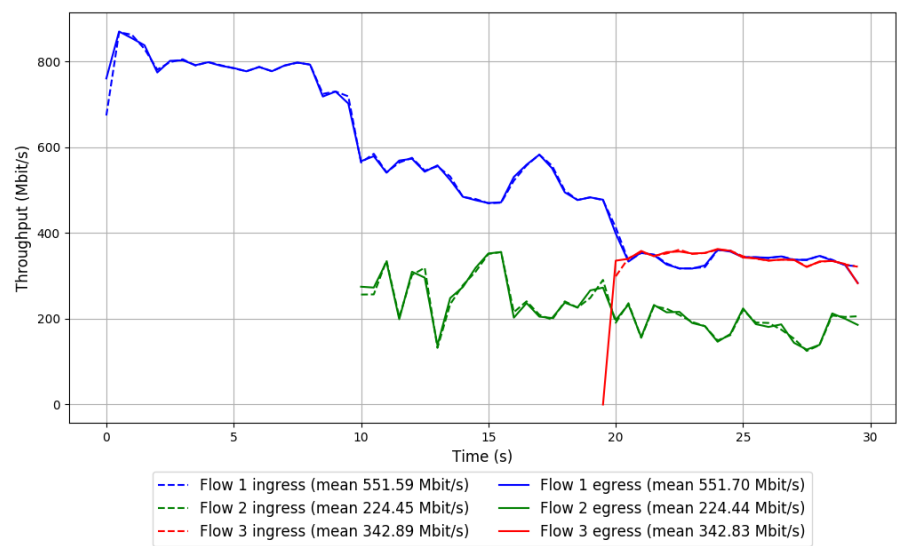
-- Flow 3:

Average throughput: 342.83 Mbit/s

95th percentile per-packet one-way delay: -51.725 ms

Loss rate: 0.05%

Run 9: Report of TCP Vegas — Data Link

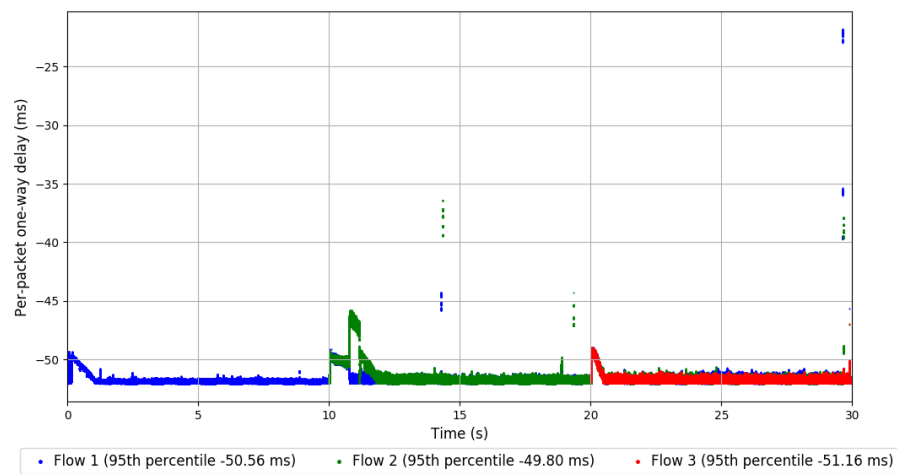
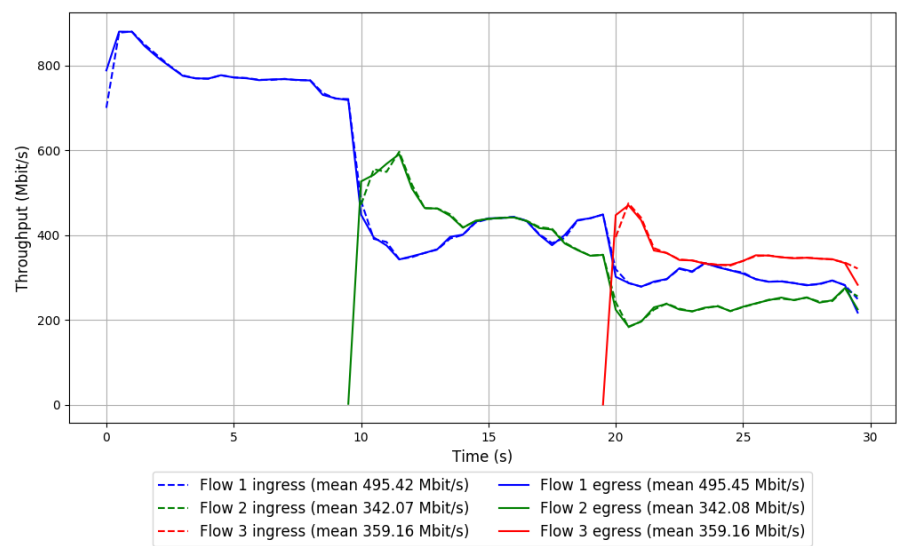


Run 10: Statistics of TCP Vegas

Start at: 2017-11-16 10:25:48
End at: 2017-11-16 10:26:18
Local clock offset: -0.291 ms
Remote clock offset: 35.264 ms

Below is generated by plot.py at 2017-11-16 15:20:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 842.55 Mbit/s
95th percentile per-packet one-way delay: -50.215 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 495.45 Mbit/s
95th percentile per-packet one-way delay: -50.562 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 342.08 Mbit/s
95th percentile per-packet one-way delay: -49.804 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 359.16 Mbit/s
95th percentile per-packet one-way delay: -51.163 ms
Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link

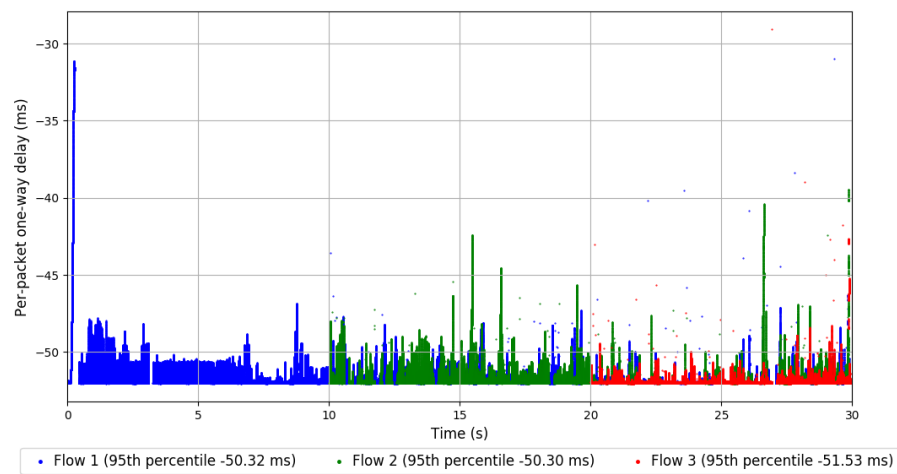
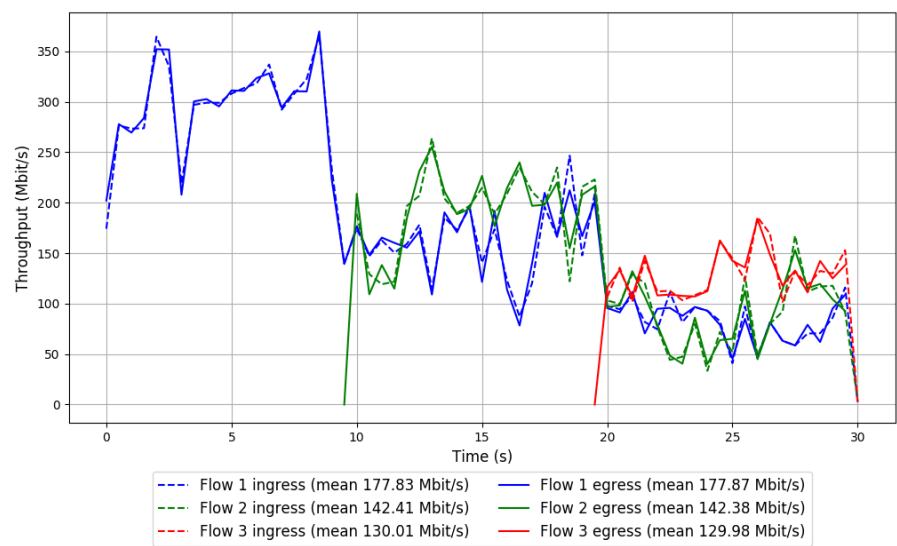


Run 1: Statistics of Verus

Start at: 2017-11-16 07:18:18
End at: 2017-11-16 07:18:48
Local clock offset: 0.667 ms
Remote clock offset: 32.799 ms

Below is generated by plot.py at 2017-11-16 15:20:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.93 Mbit/s
95th percentile per-packet one-way delay: -50.451 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 177.87 Mbit/s
95th percentile per-packet one-way delay: -50.317 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 142.38 Mbit/s
95th percentile per-packet one-way delay: -50.295 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 129.98 Mbit/s
95th percentile per-packet one-way delay: -51.528 ms
Loss rate: 0.06%

Run 1: Report of Verus — Data Link

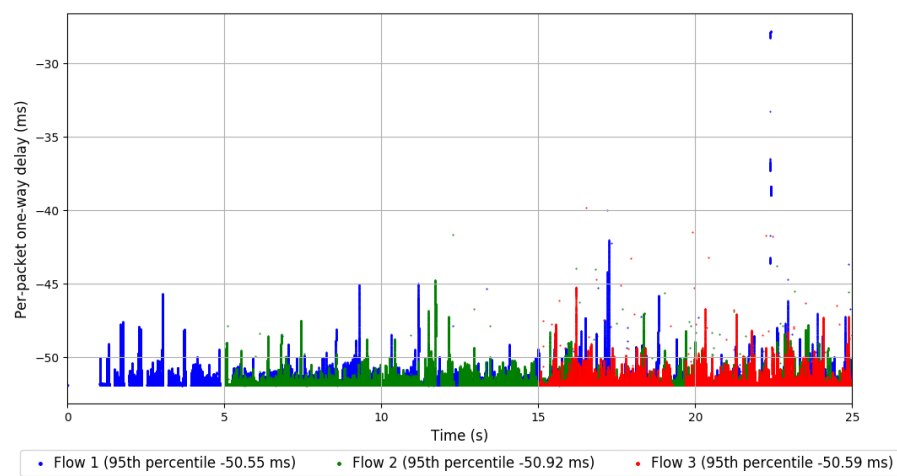
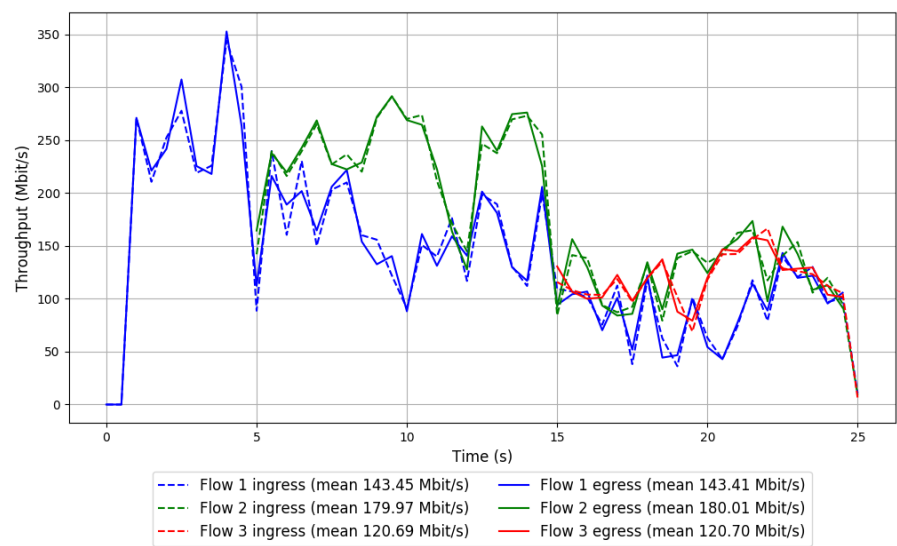


Run 2: Statistics of Verus

Start at: 2017-11-16 07:37:09
End at: 2017-11-16 07:37:39
Local clock offset: 0.416 ms
Remote clock offset: 33.127 ms

Below is generated by plot.py at 2017-11-16 15:20:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.26 Mbit/s
95th percentile per-packet one-way delay: -50.709 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 143.41 Mbit/s
95th percentile per-packet one-way delay: -50.547 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 180.01 Mbit/s
95th percentile per-packet one-way delay: -50.919 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.70 Mbit/s
95th percentile per-packet one-way delay: -50.585 ms
Loss rate: 0.04%

Run 2: Report of Verus — Data Link

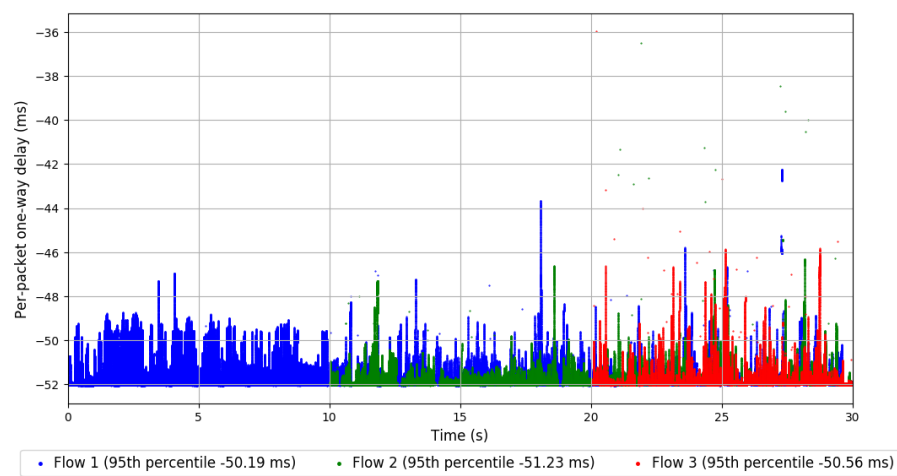
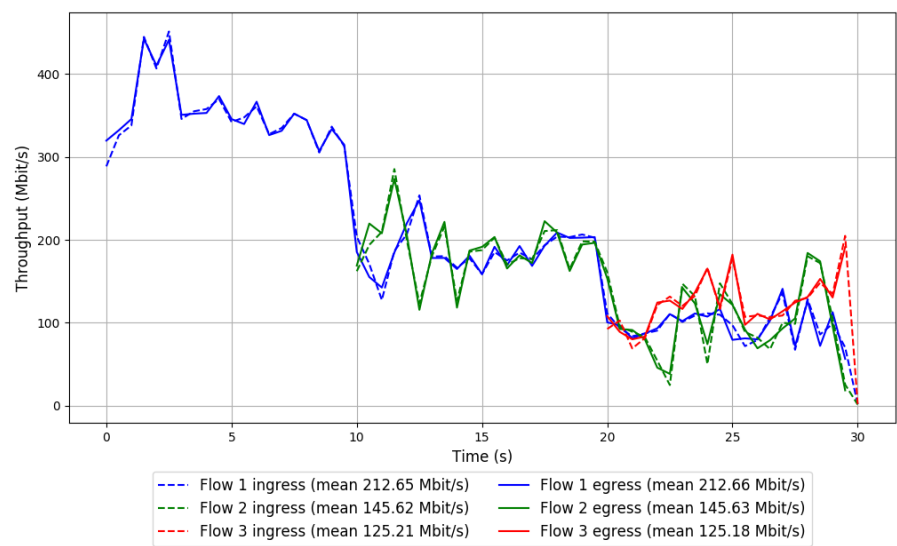


Run 3: Statistics of Verus

Start at: 2017-11-16 07:55:46
End at: 2017-11-16 07:56:16
Local clock offset: 0.101 ms
Remote clock offset: 33.933 ms

Below is generated by plot.py at 2017-11-16 15:20:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.07 Mbit/s
95th percentile per-packet one-way delay: -50.473 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 212.66 Mbit/s
95th percentile per-packet one-way delay: -50.194 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 145.63 Mbit/s
95th percentile per-packet one-way delay: -51.233 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 125.18 Mbit/s
95th percentile per-packet one-way delay: -50.564 ms
Loss rate: 0.06%

Run 3: Report of Verus — Data Link

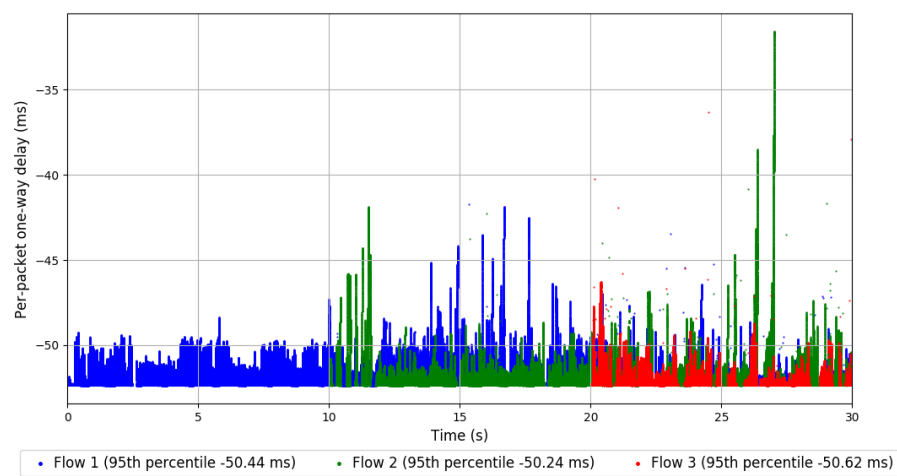
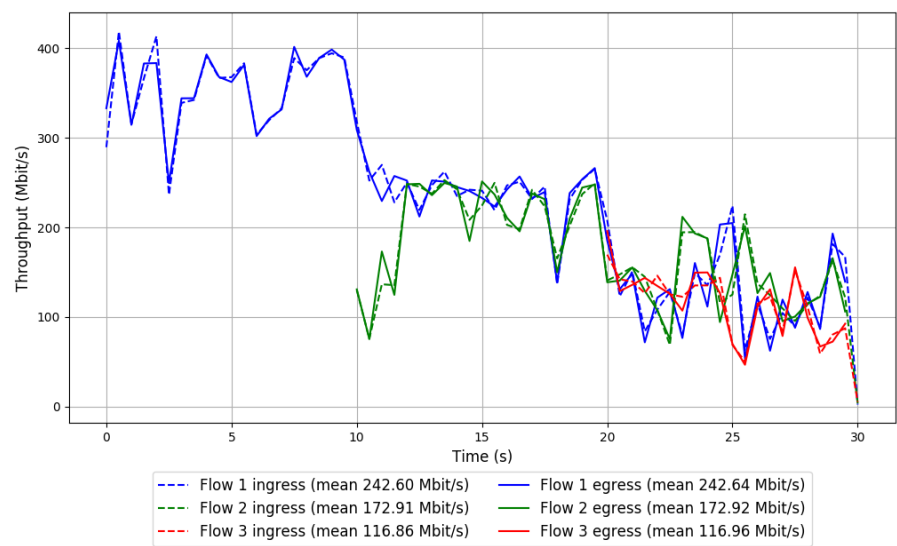


Run 4: Statistics of Verus

Start at: 2017-11-16 08:14:29
End at: 2017-11-16 08:14:59
Local clock offset: -0.1 ms
Remote clock offset: 35.032 ms

Below is generated by plot.py at 2017-11-16 15:20:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 396.48 Mbit/s
95th percentile per-packet one-way delay: -50.427 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 242.64 Mbit/s
95th percentile per-packet one-way delay: -50.443 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 172.92 Mbit/s
95th percentile per-packet one-way delay: -50.236 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 116.96 Mbit/s
95th percentile per-packet one-way delay: -50.623 ms
Loss rate: 0.01%

Run 4: Report of Verus — Data Link

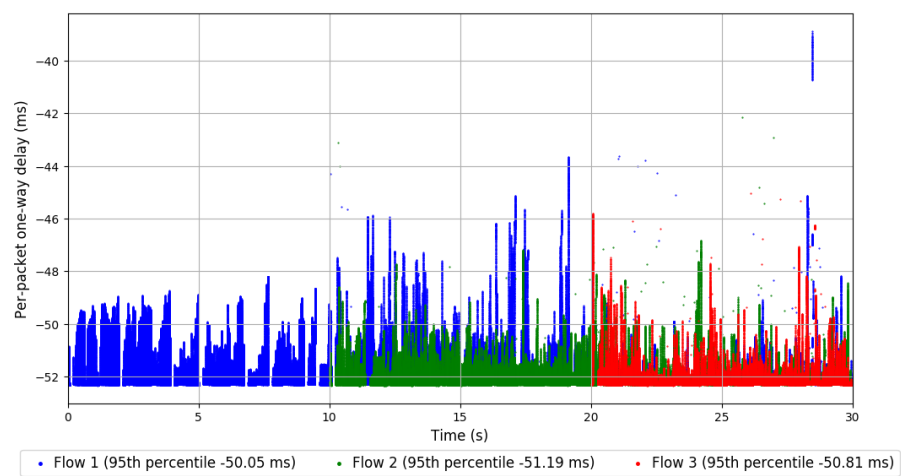
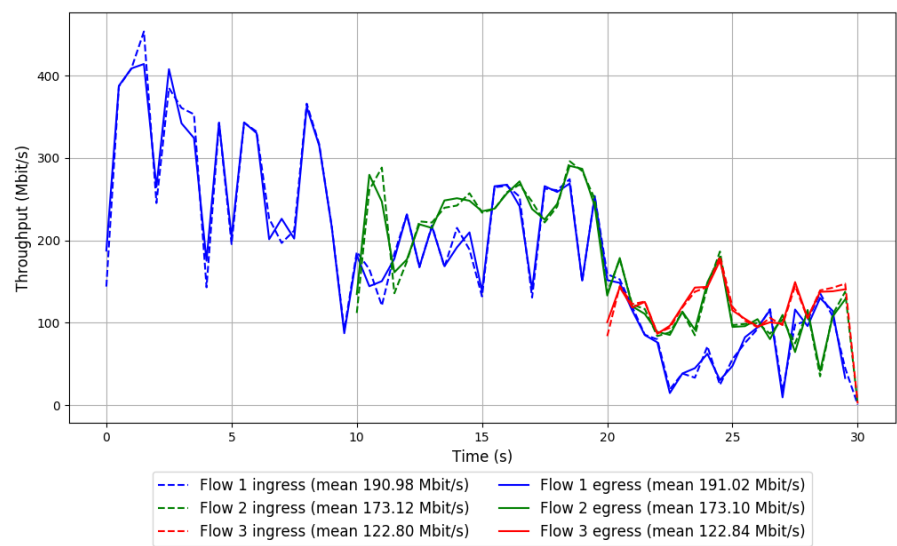


Run 5: Statistics of Verus

Start at: 2017-11-16 08:33:35
End at: 2017-11-16 08:34:05
Local clock offset: -0.189 ms
Remote clock offset: 35.736 ms

Below is generated by plot.py at 2017-11-16 15:20:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 347.04 Mbit/s
95th percentile per-packet one-way delay: -50.384 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 191.02 Mbit/s
95th percentile per-packet one-way delay: -50.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.10 Mbit/s
95th percentile per-packet one-way delay: -51.188 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 122.84 Mbit/s
95th percentile per-packet one-way delay: -50.808 ms
Loss rate: 0.04%

Run 5: Report of Verus — Data Link

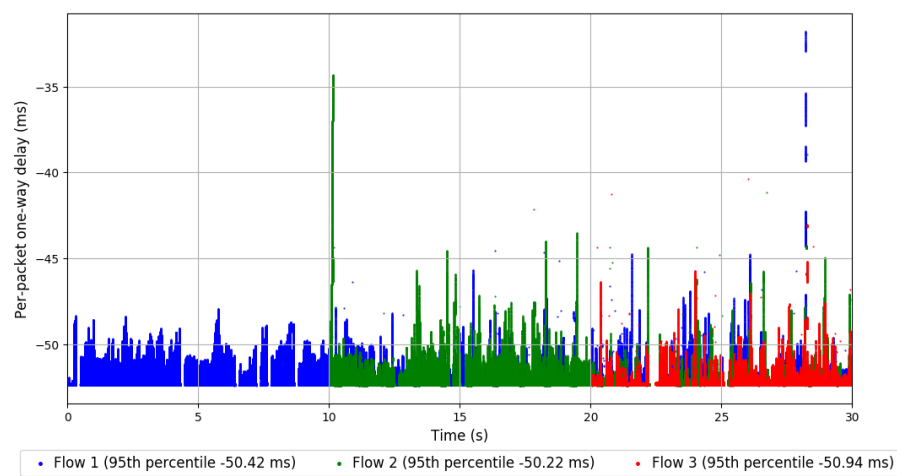
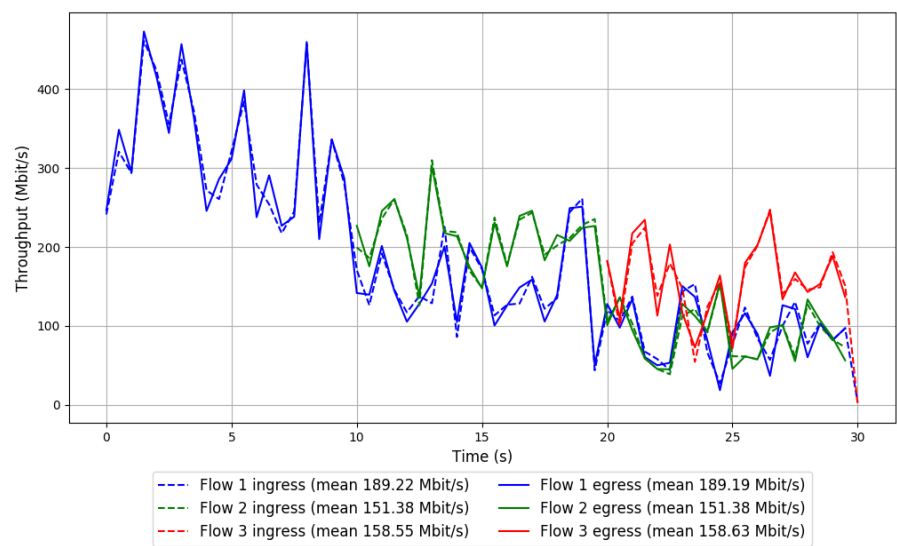


Run 6: Statistics of Verus

Start at: 2017-11-16 08:52:29
End at: 2017-11-16 08:52:59
Local clock offset: -0.274 ms
Remote clock offset: 36.142 ms

Below is generated by plot.py at 2017-11-16 15:20:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.48 Mbit/s
95th percentile per-packet one-way delay: -50.448 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 189.19 Mbit/s
95th percentile per-packet one-way delay: -50.419 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 151.38 Mbit/s
95th percentile per-packet one-way delay: -50.220 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 158.63 Mbit/s
95th percentile per-packet one-way delay: -50.944 ms
Loss rate: 0.02%

Run 6: Report of Verus — Data Link

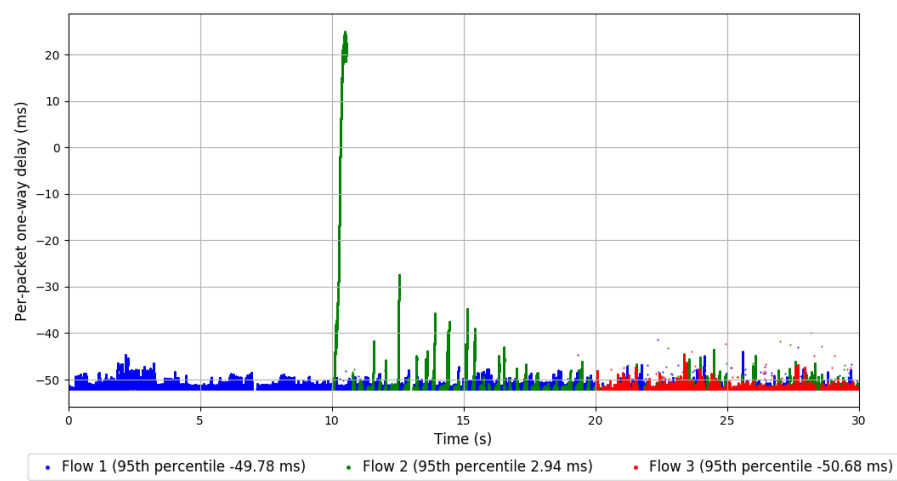
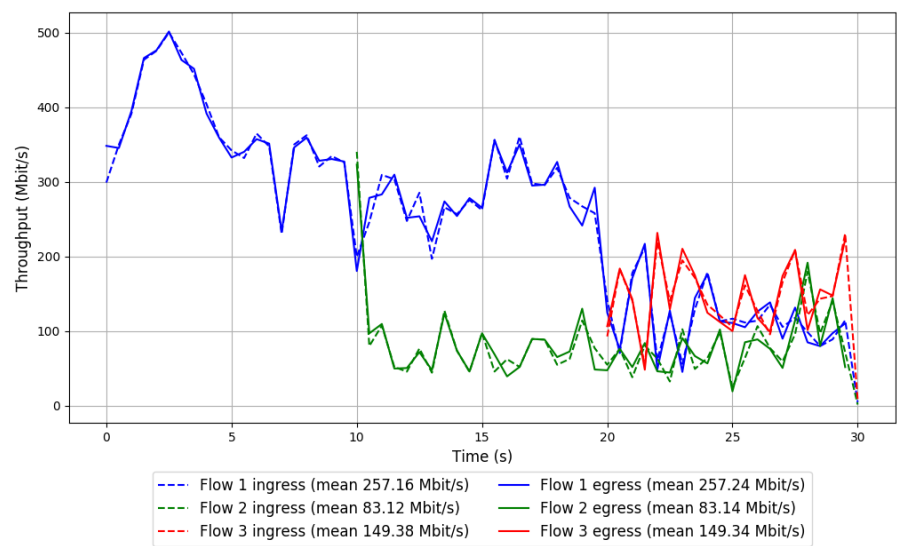


Run 7: Statistics of Verus

Start at: 2017-11-16 09:11:30
End at: 2017-11-16 09:12:00
Local clock offset: -0.347 ms
Remote clock offset: 36.088 ms

Below is generated by plot.py at 2017-11-16 15:20:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.07 Mbit/s
95th percentile per-packet one-way delay: -48.958 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 257.24 Mbit/s
95th percentile per-packet one-way delay: -49.783 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 2.941 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 149.34 Mbit/s
95th percentile per-packet one-way delay: -50.682 ms
Loss rate: 0.08%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-11-16 09:30:29

End at: 2017-11-16 09:30:59

Local clock offset: -0.33 ms

Remote clock offset: 35.51 ms

Below is generated by plot.py at 2017-11-16 15:21:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 363.56 Mbit/s

95th percentile per-packet one-way delay: -50.565 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 206.43 Mbit/s

95th percentile per-packet one-way delay: -50.415 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 175.31 Mbit/s

95th percentile per-packet one-way delay: -51.008 ms

Loss rate: 0.03%

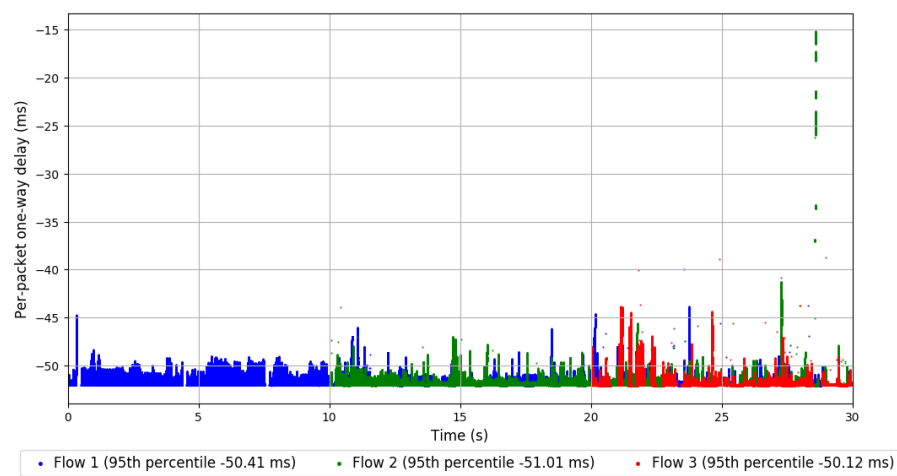
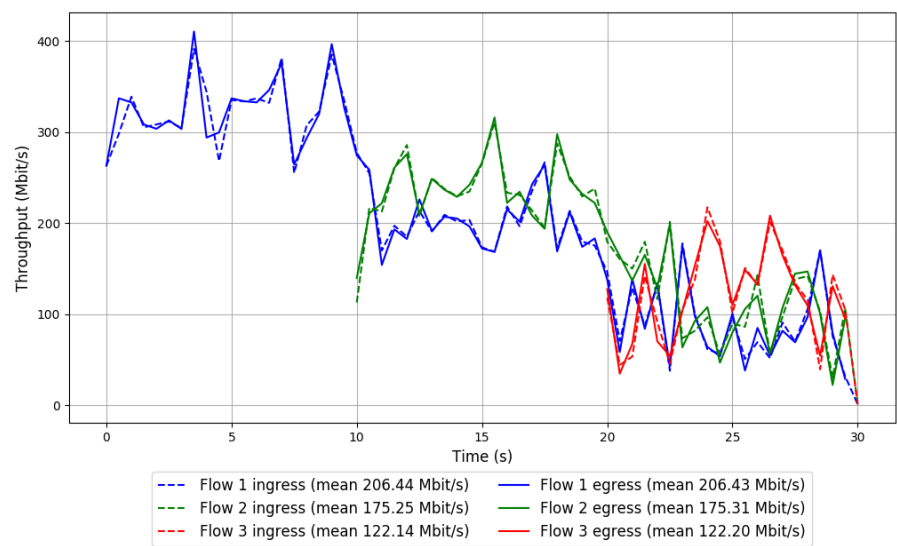
-- Flow 3:

Average throughput: 122.20 Mbit/s

95th percentile per-packet one-way delay: -50.121 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link

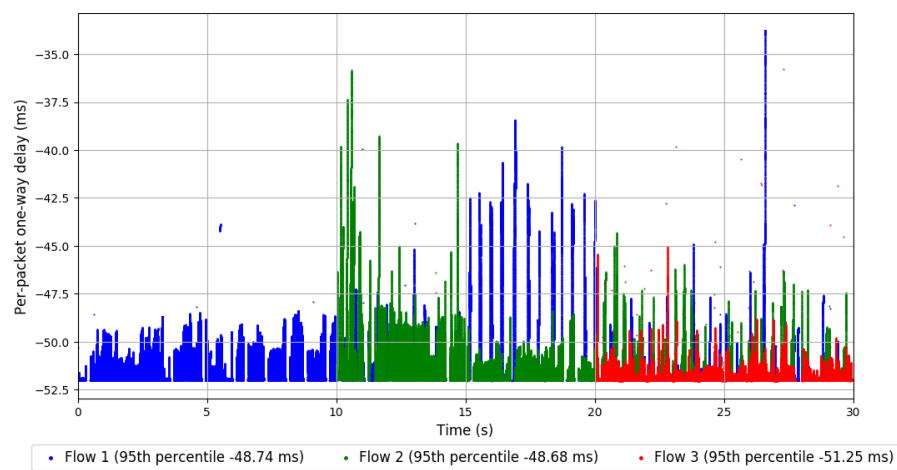
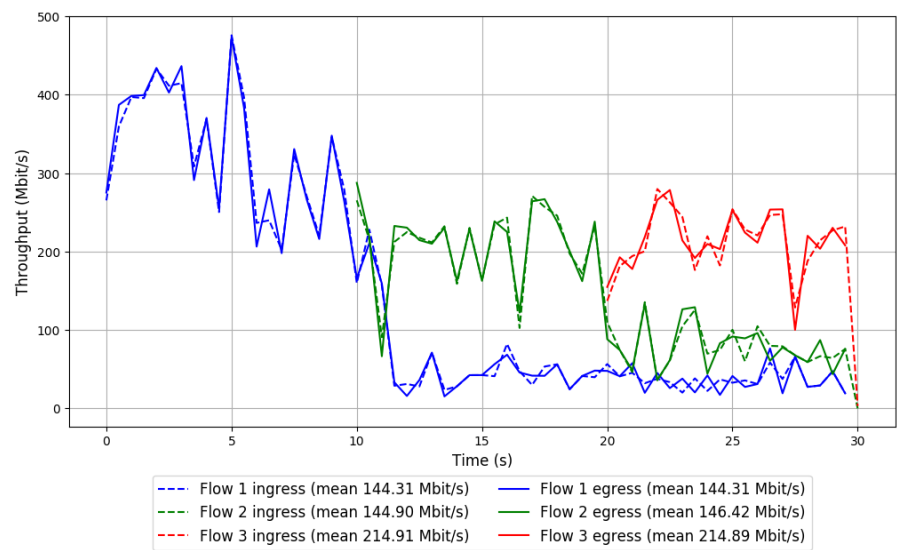


Run 9: Statistics of Verus

Start at: 2017-11-16 09:49:26
End at: 2017-11-16 09:49:56
Local clock offset: -0.281 ms
Remote clock offset: 34.873 ms

Below is generated by plot.py at 2017-11-16 15:21:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 311.46 Mbit/s
95th percentile per-packet one-way delay: -49.236 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 144.31 Mbit/s
95th percentile per-packet one-way delay: -48.737 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 146.42 Mbit/s
95th percentile per-packet one-way delay: -48.681 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 214.89 Mbit/s
95th percentile per-packet one-way delay: -51.249 ms
Loss rate: 0.07%

Run 9: Report of Verus — Data Link

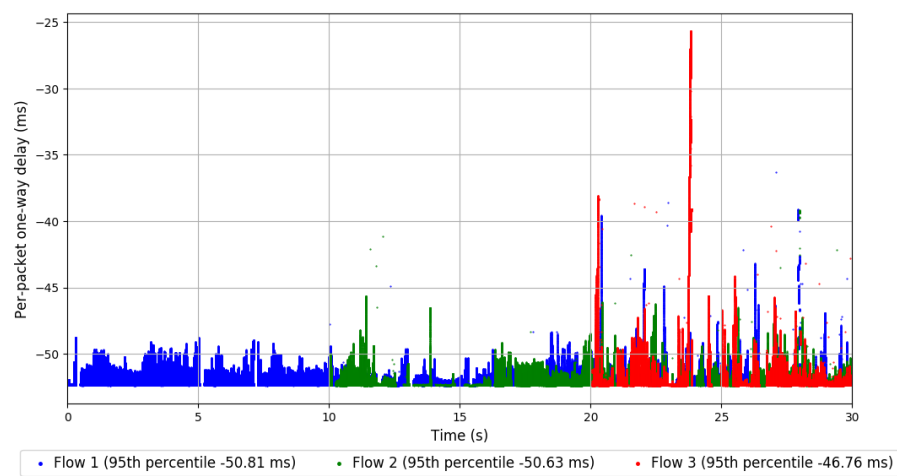
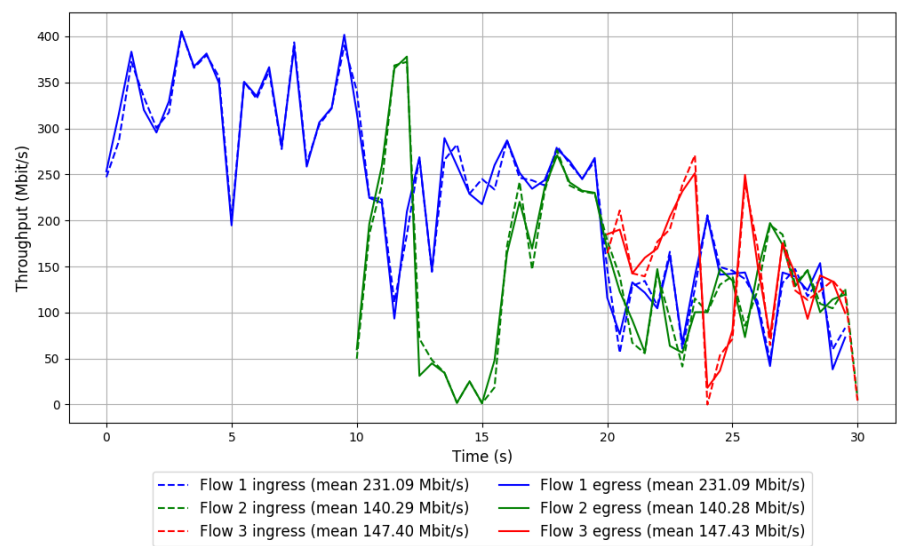


Run 10: Statistics of Verus

Start at: 2017-11-16 10:08:23
End at: 2017-11-16 10:08:53
Local clock offset: -0.23 ms
Remote clock offset: 35.467 ms

Below is generated by plot.py at 2017-11-16 15:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.23 Mbit/s
95th percentile per-packet one-way delay: -50.501 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 231.09 Mbit/s
95th percentile per-packet one-way delay: -50.808 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 140.28 Mbit/s
95th percentile per-packet one-way delay: -50.631 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 147.43 Mbit/s
95th percentile per-packet one-way delay: -46.756 ms
Loss rate: 0.04%

Run 10: Report of Verus — Data Link

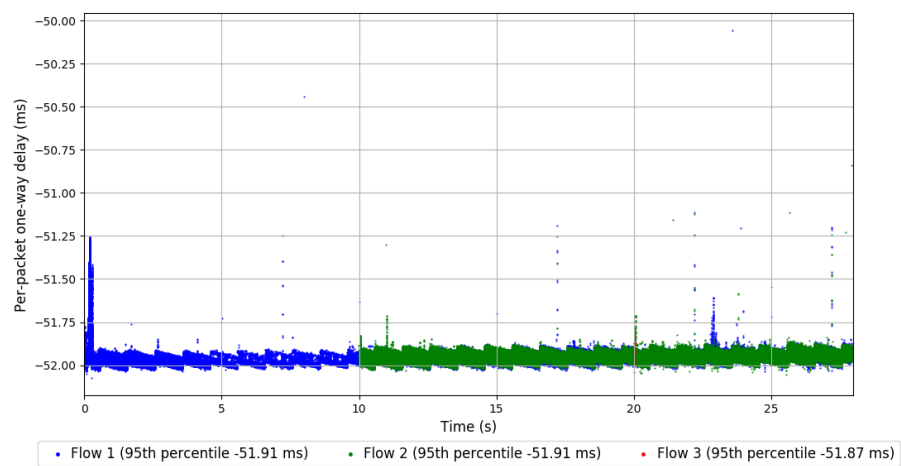
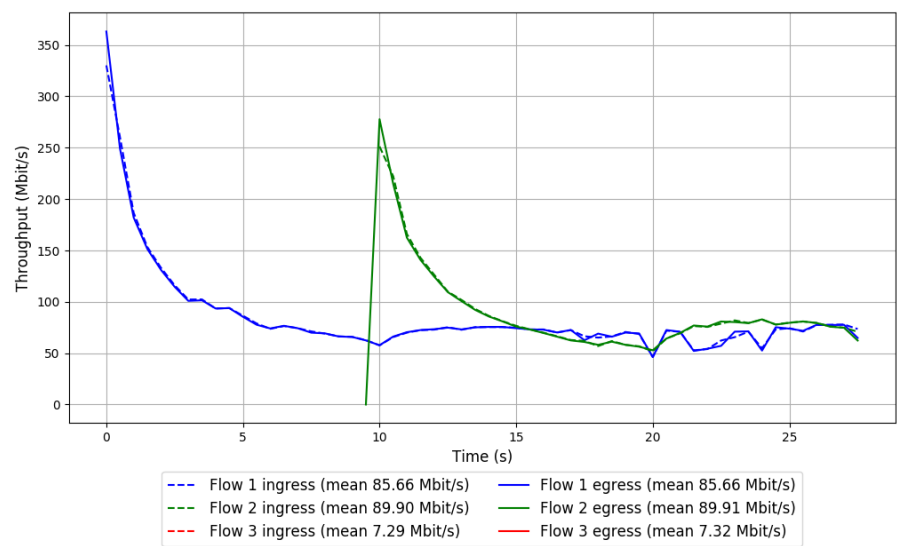


Run 1: Statistics of Copa

Start at: 2017-11-16 07:32:14
End at: 2017-11-16 07:32:44
Local clock offset: 0.47 ms
Remote clock offset: 32.991 ms

Below is generated by plot.py at 2017-11-16 15:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.39 Mbit/s
95th percentile per-packet one-way delay: -51.910 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.66 Mbit/s
95th percentile per-packet one-way delay: -51.910 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: -51.909 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: -51.870 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

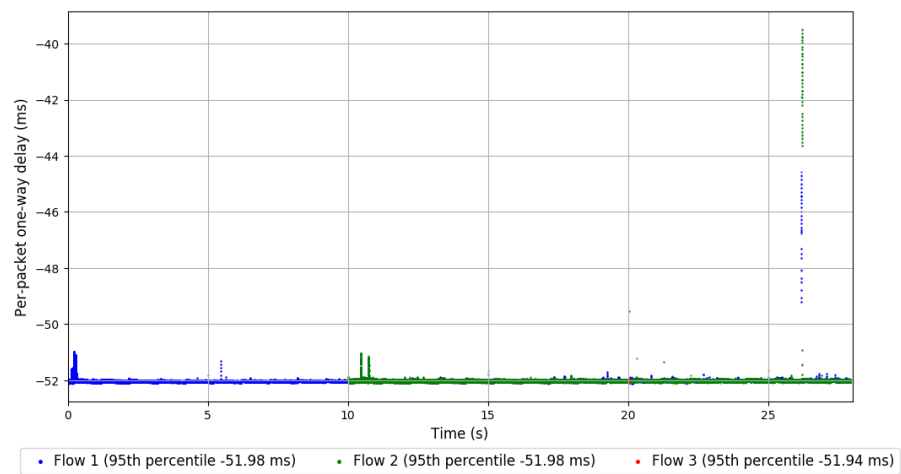
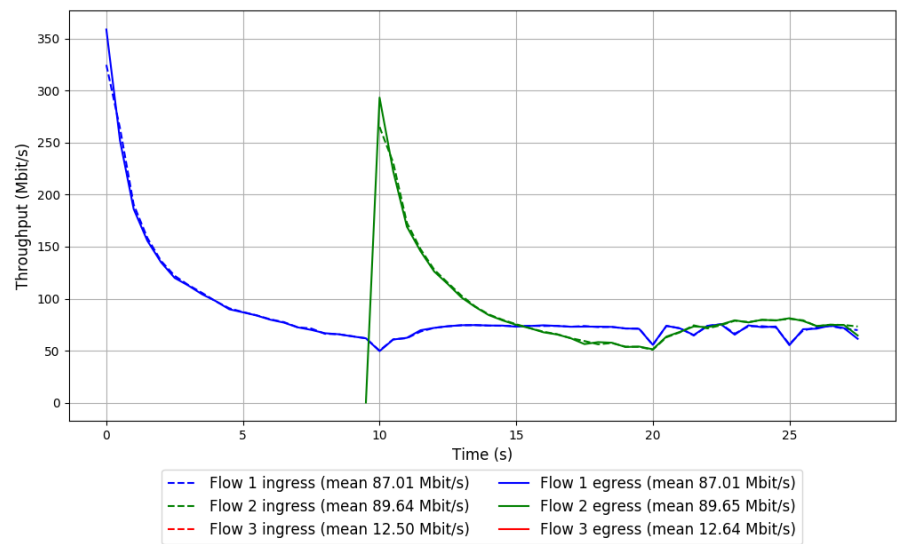


Run 2: Statistics of Copa

Start at: 2017-11-16 07:50:42
End at: 2017-11-16 07:51:12
Local clock offset: 0.147 ms
Remote clock offset: 33.765 ms

Below is generated by plot.py at 2017-11-16 15:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.58 Mbit/s
95th percentile per-packet one-way delay: -51.982 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: -51.984 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 89.65 Mbit/s
95th percentile per-packet one-way delay: -51.980 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: -51.937 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

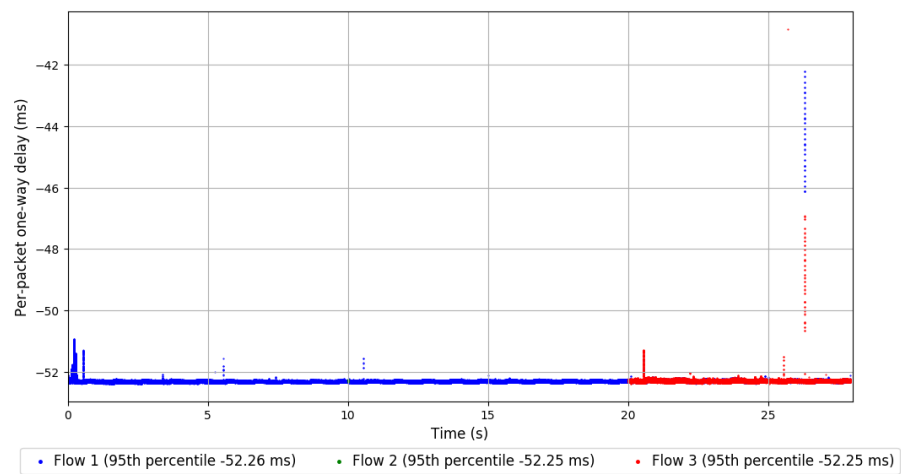
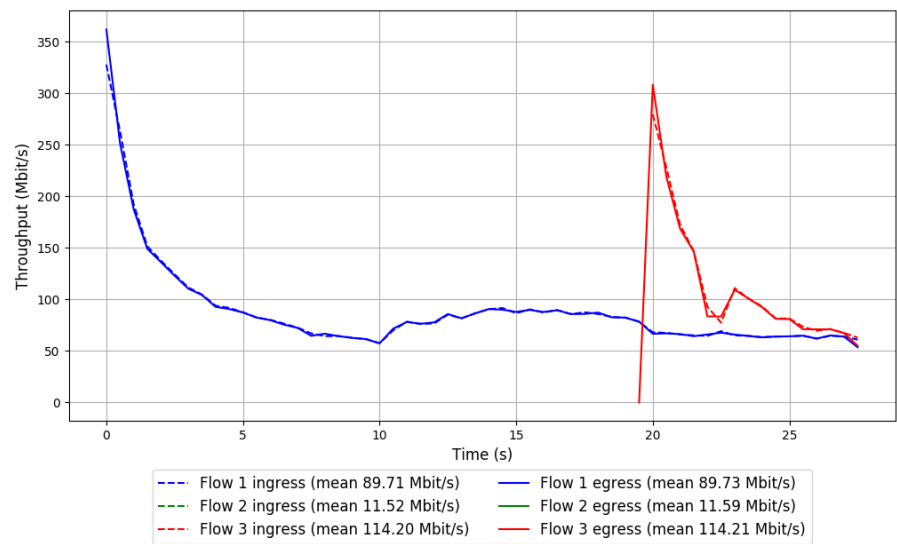


Run 3: Statistics of Copa

Start at: 2017-11-16 08:09:34
End at: 2017-11-16 08:10:04
Local clock offset: 0.013 ms
Remote clock offset: 34.866 ms

Below is generated by plot.py at 2017-11-16 15:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.14 Mbit/s
95th percentile per-packet one-way delay: -52.256 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: -52.262 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: -52.251 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.21 Mbit/s
95th percentile per-packet one-way delay: -52.246 ms
Loss rate: 0.04%

Run 3: Report of Copa — Data Link

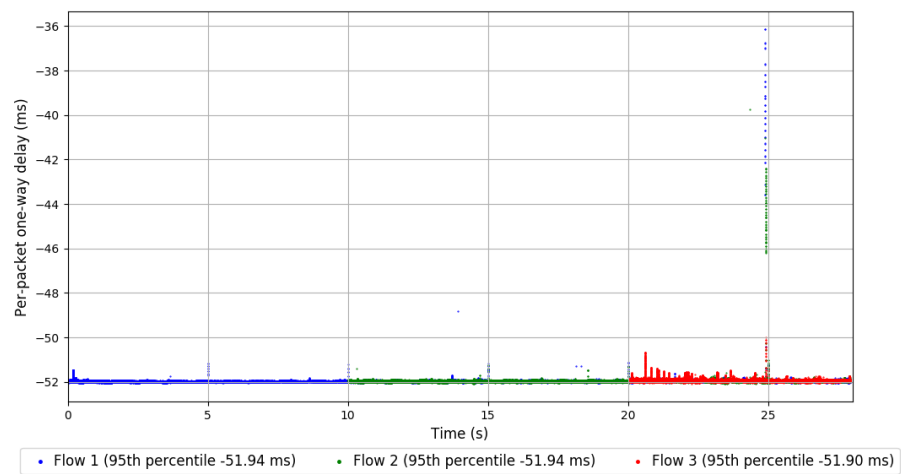
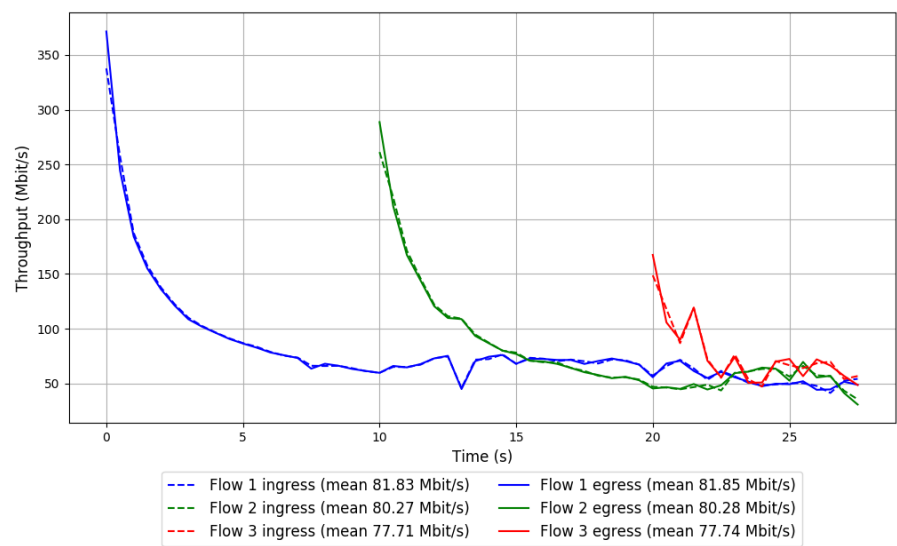


Run 4: Statistics of Copa

Start at: 2017-11-16 08:28:29
End at: 2017-11-16 08:28:59
Local clock offset: -0.117 ms
Remote clock offset: 35.292 ms

```
# Below is generated by plot.py at 2017-11-16 15:24:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 155.32 Mbit/s
95th percentile per-packet one-way delay: -51.928 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: -51.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: -51.936 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: -51.901 ms
Loss rate: 0.03%
```

Run 4: Report of Copa — Data Link

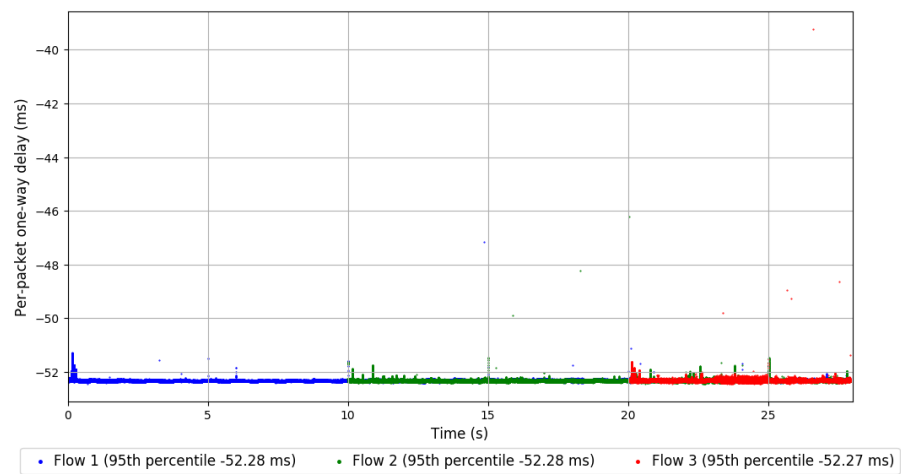
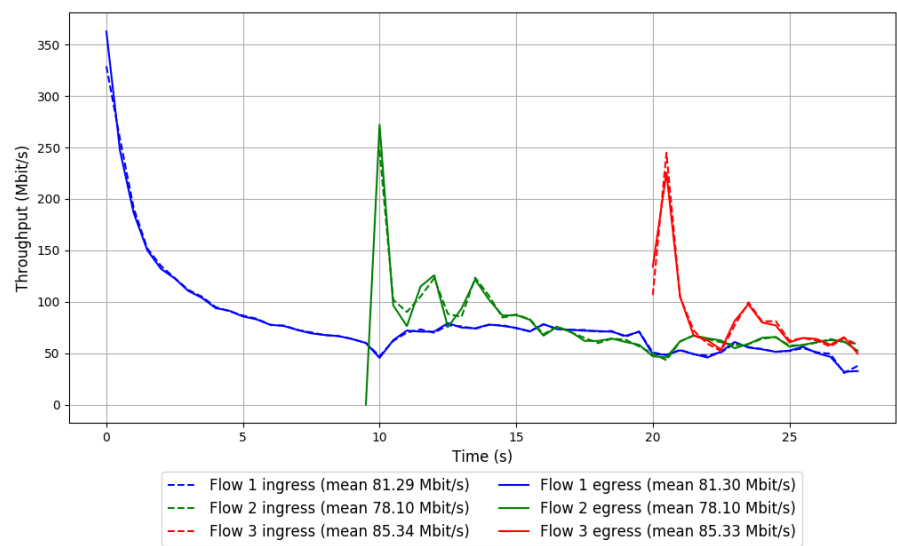


Run 5: Statistics of Copa

Start at: 2017-11-16 08:47:23
End at: 2017-11-16 08:47:53
Local clock offset: -0.236 ms
Remote clock offset: 36.066 ms

Below is generated by plot.py at 2017-11-16 15:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.57 Mbit/s
95th percentile per-packet one-way delay: -52.279 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.30 Mbit/s
95th percentile per-packet one-way delay: -52.279 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 78.10 Mbit/s
95th percentile per-packet one-way delay: -52.283 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 85.33 Mbit/s
95th percentile per-packet one-way delay: -52.270 ms
Loss rate: 0.05%

Run 5: Report of Copa — Data Link

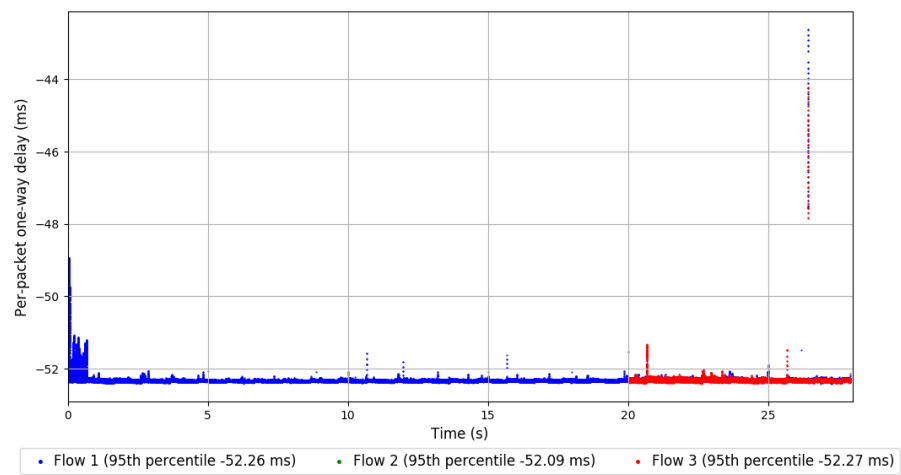
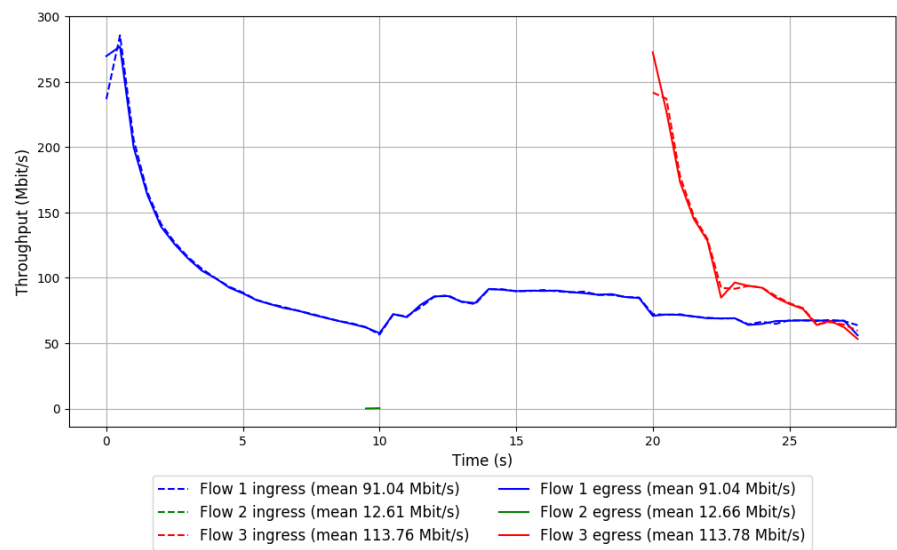


Run 6: Statistics of Copa

Start at: 2017-11-16 09:06:26
End at: 2017-11-16 09:06:56
Local clock offset: -0.387 ms
Remote clock offset: 36.283 ms

Below is generated by plot.py at 2017-11-16 15:24:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.31 Mbit/s
95th percentile per-packet one-way delay: -52.270 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: -52.259 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.66 Mbit/s
95th percentile per-packet one-way delay: -52.092 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.78 Mbit/s
95th percentile per-packet one-way delay: -52.275 ms
Loss rate: 0.04%

Run 6: Report of Copa — Data Link

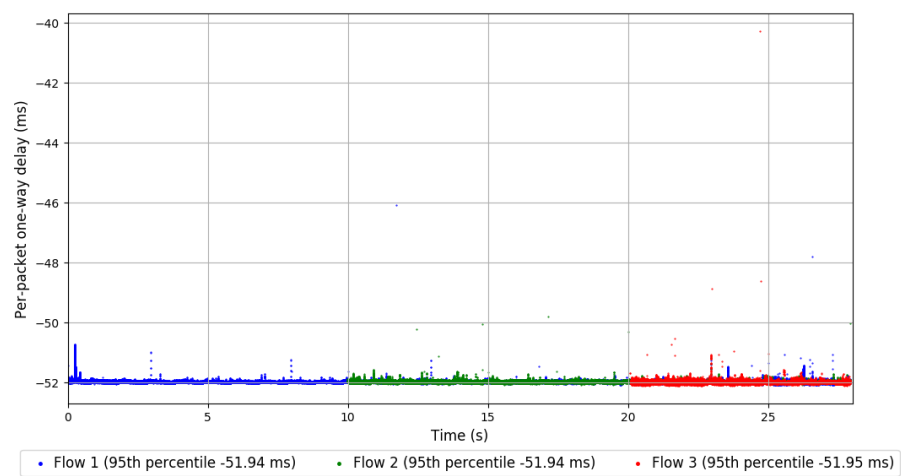
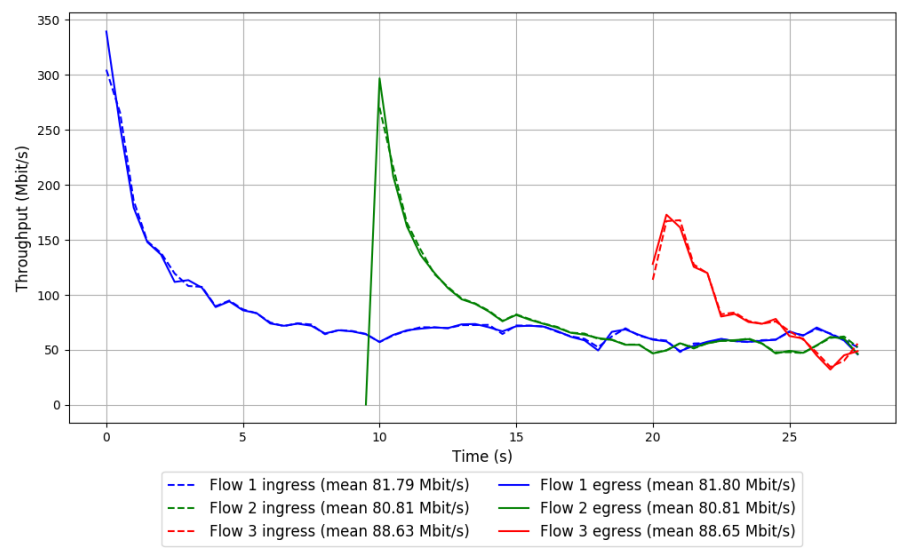


Run 7: Statistics of Copa

Start at: 2017-11-16 09:25:24
End at: 2017-11-16 09:25:54
Local clock offset: -0.342 ms
Remote clock offset: 35.645 ms

Below is generated by plot.py at 2017-11-16 15:25:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.62 Mbit/s
95th percentile per-packet one-way delay: -51.942 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: -51.940 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: -51.943 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 88.65 Mbit/s
95th percentile per-packet one-way delay: -51.947 ms
Loss rate: 0.04%

Run 7: Report of Copa — Data Link

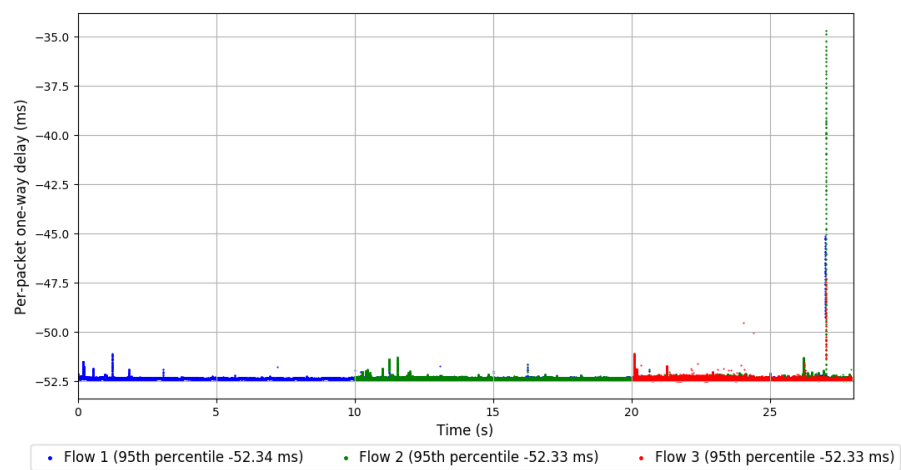
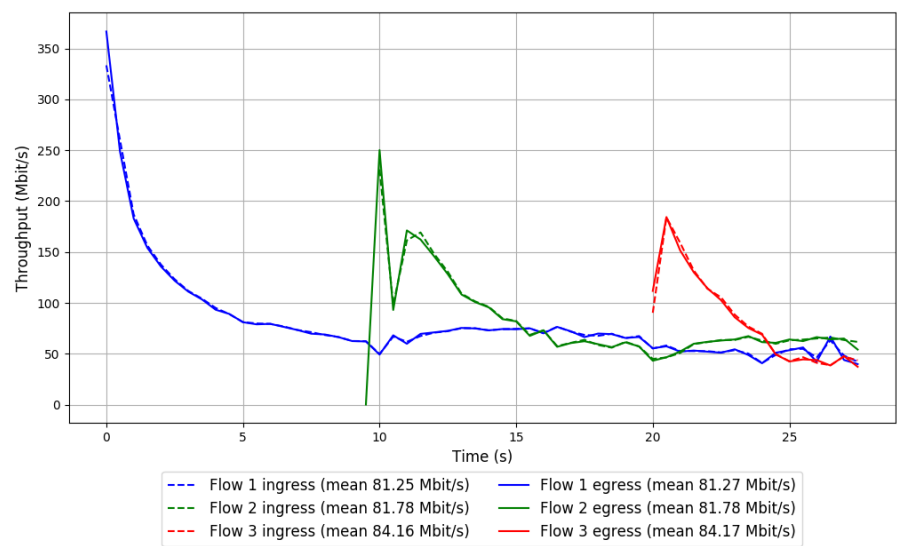


Run 8: Statistics of Copa

Start at: 2017-11-16 09:44:24
End at: 2017-11-16 09:44:54
Local clock offset: -0.299 ms
Remote clock offset: 35.355 ms

Below is generated by plot.py at 2017-11-16 15:26:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 157.57 Mbit/s
95th percentile per-packet one-way delay: -52.335 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: -52.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 81.78 Mbit/s
95th percentile per-packet one-way delay: -52.334 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: -52.327 ms
Loss rate: 0.04%

Run 8: Report of Copa — Data Link

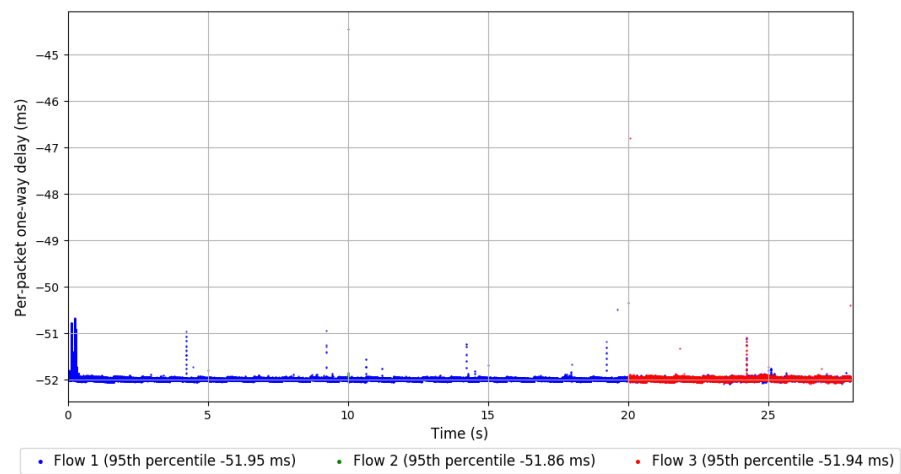
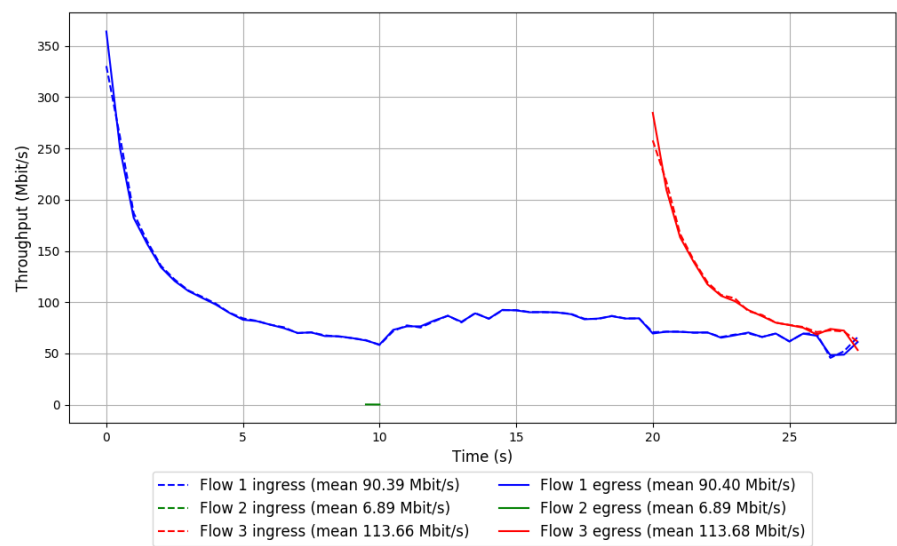


Run 9: Statistics of Copa

Start at: 2017-11-16 10:03:21
End at: 2017-11-16 10:03:51
Local clock offset: -0.258 ms
Remote clock offset: 35.043 ms

Below is generated by plot.py at 2017-11-16 15:26:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 122.64 Mbit/s
95th percentile per-packet one-way delay: -51.945 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: -51.946 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: -51.856 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.68 Mbit/s
95th percentile per-packet one-way delay: -51.942 ms
Loss rate: 0.04%

Run 9: Report of Copa — Data Link

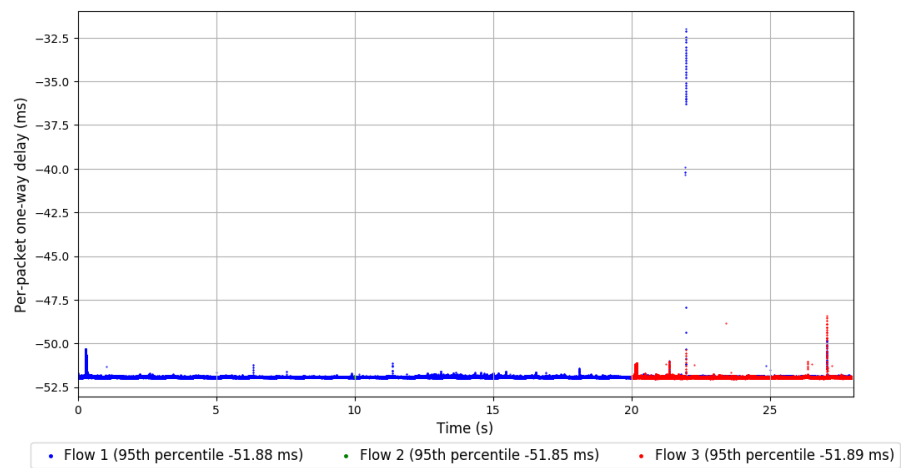
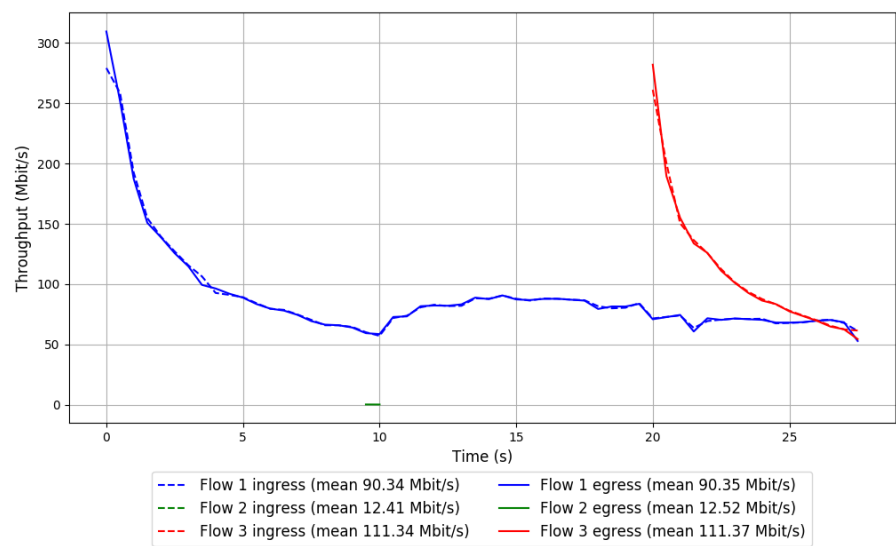


Run 10: Statistics of Copa

Start at: 2017-11-16 10:22:24
End at: 2017-11-16 10:22:54
Local clock offset: -0.227 ms
Remote clock offset: 35.217 ms

Below is generated by plot.py at 2017-11-16 15:26:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.93 Mbit/s
95th percentile per-packet one-way delay: -51.880 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: -51.879 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: -51.853 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 111.37 Mbit/s
95th percentile per-packet one-way delay: -51.886 ms
Loss rate: 0.03%

Run 10: Report of Copa — Data Link

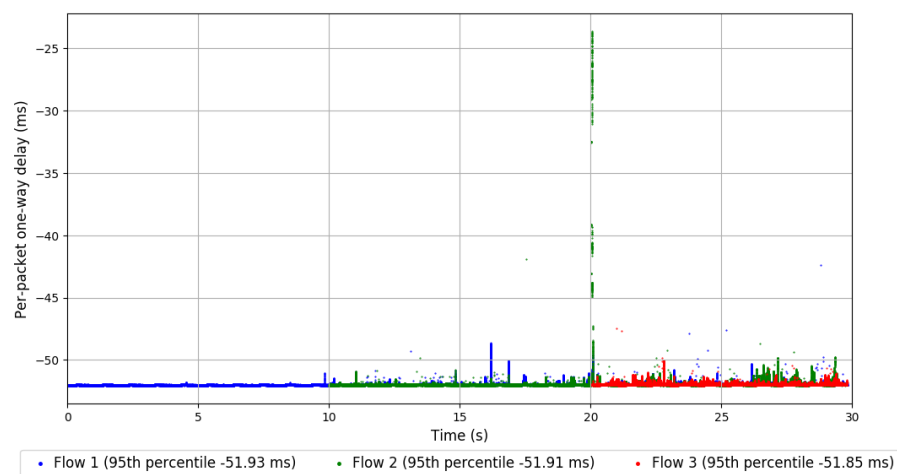
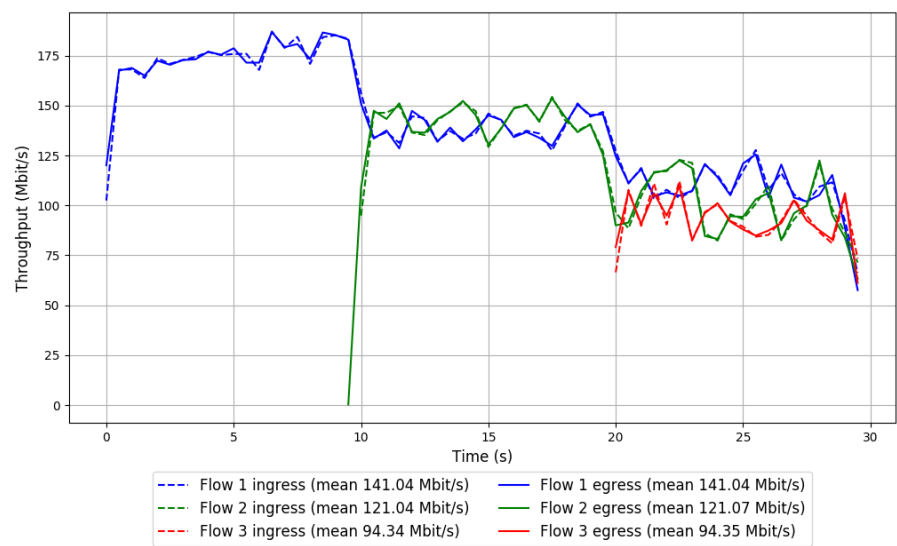


Run 1: Statistics of Indigo

Start at: 2017-11-16 07:29:39
End at: 2017-11-16 07:30:09
Local clock offset: 0.408 ms
Remote clock offset: 32.808 ms

Below is generated by plot.py at 2017-11-16 15:27:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.40 Mbit/s
95th percentile per-packet one-way delay: -51.919 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 141.04 Mbit/s
95th percentile per-packet one-way delay: -51.929 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 121.07 Mbit/s
95th percentile per-packet one-way delay: -51.911 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: -51.851 ms
Loss rate: 0.02%

Run 1: Report of Indigo — Data Link

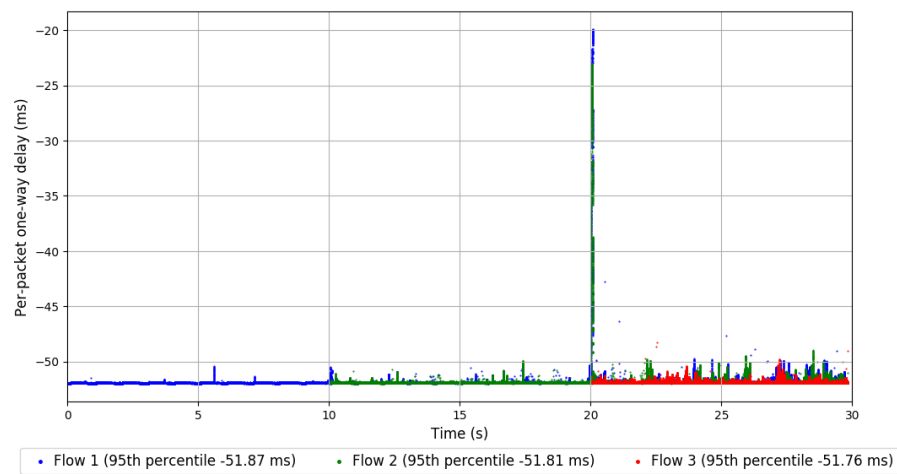
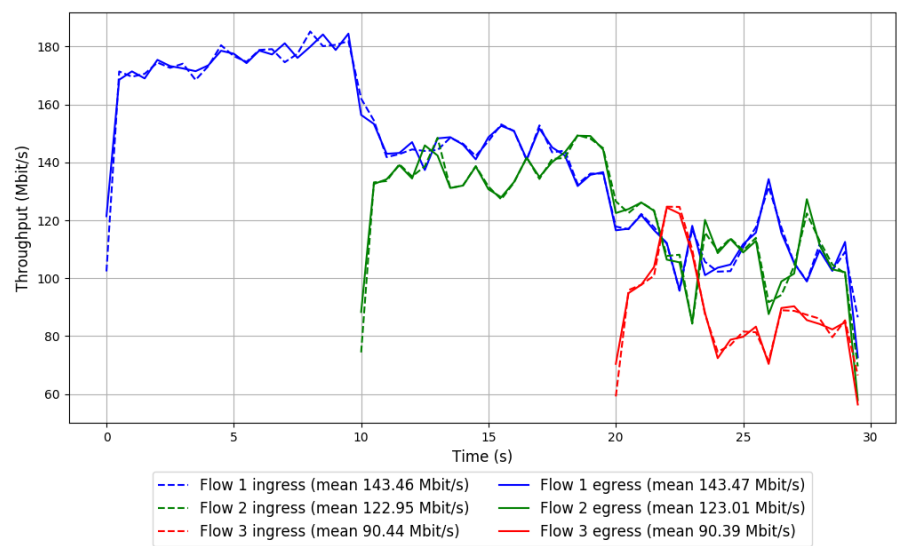


Run 2: Statistics of Indigo

Start at: 2017-11-16 07:48:04
End at: 2017-11-16 07:48:34
Local clock offset: 0.218 ms
Remote clock offset: 33.604 ms

Below is generated by plot.py at 2017-11-16 15:27:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.59 Mbit/s
95th percentile per-packet one-way delay: -51.841 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 143.47 Mbit/s
95th percentile per-packet one-way delay: -51.866 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 123.01 Mbit/s
95th percentile per-packet one-way delay: -51.815 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 90.39 Mbit/s
95th percentile per-packet one-way delay: -51.762 ms
Loss rate: 0.06%

Run 2: Report of Indigo — Data Link

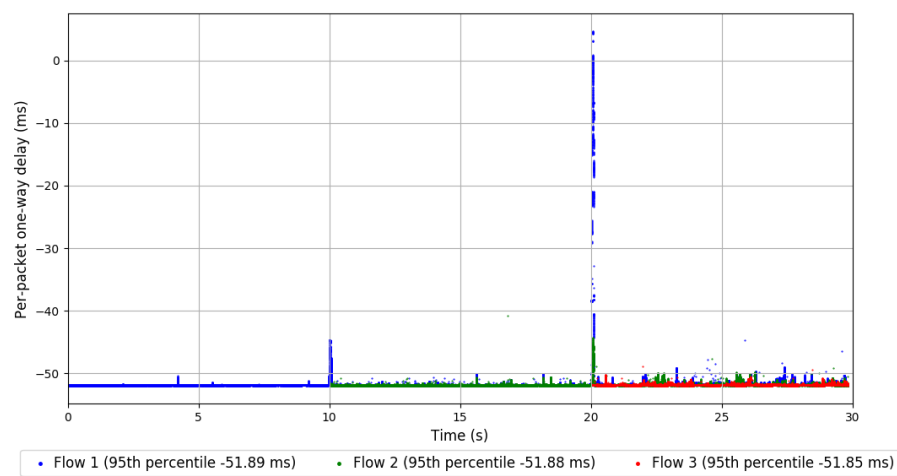
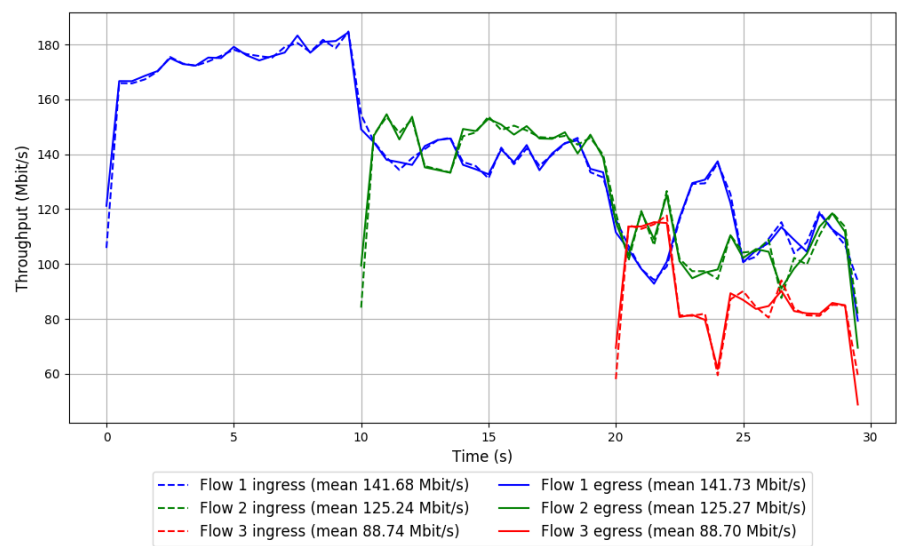


Run 3: Statistics of Indigo

Start at: 2017-11-16 08:06:57
End at: 2017-11-16 08:07:27
Local clock offset: 0.01 ms
Remote clock offset: 34.395 ms

```
# Below is generated by plot.py at 2017-11-16 15:28:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 253.88 Mbit/s
95th percentile per-packet one-way delay: -51.879 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 141.73 Mbit/s
95th percentile per-packet one-way delay: -51.886 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 125.27 Mbit/s
95th percentile per-packet one-way delay: -51.880 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: -51.851 ms
Loss rate: 0.09%
```

Run 3: Report of Indigo — Data Link

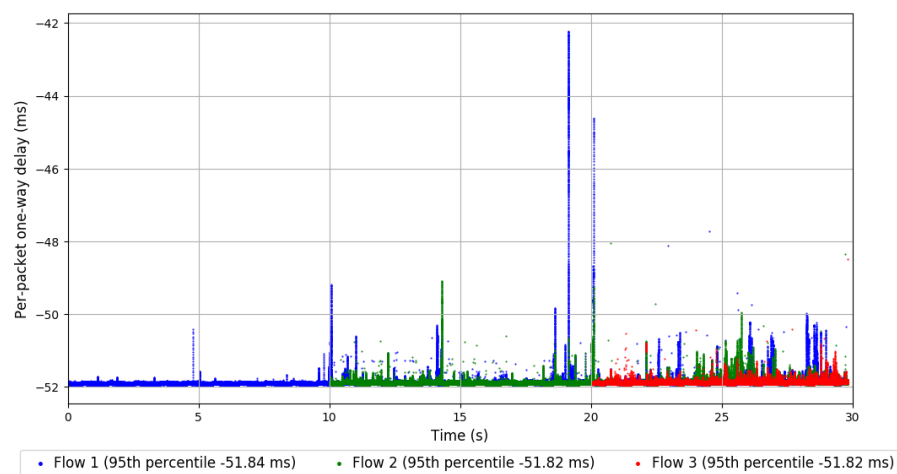
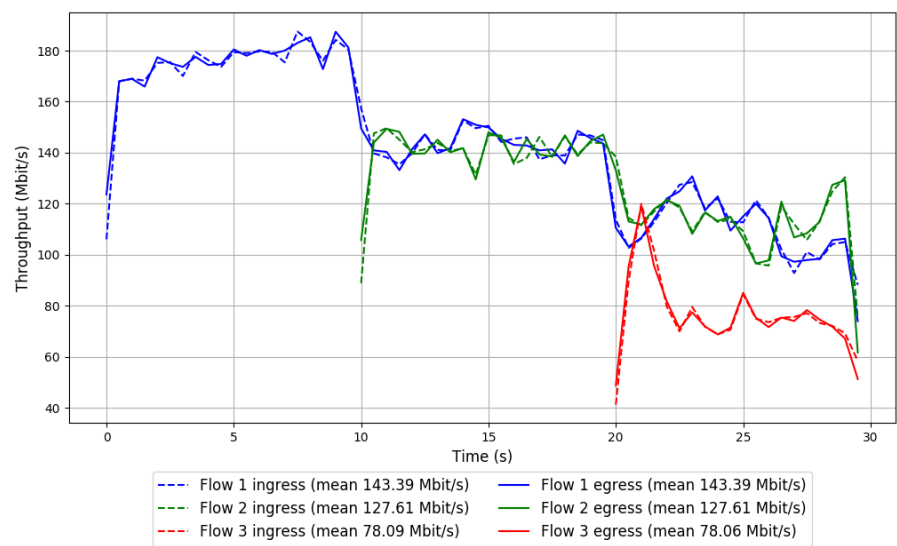


Run 4: Statistics of Indigo

Start at: 2017-11-16 08:25:51
End at: 2017-11-16 08:26:21
Local clock offset: -0.118 ms
Remote clock offset: 35.111 ms

Below is generated by plot.py at 2017-11-16 15:28:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.62 Mbit/s
95th percentile per-packet one-way delay: -51.829 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 143.39 Mbit/s
95th percentile per-packet one-way delay: -51.835 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 127.61 Mbit/s
95th percentile per-packet one-way delay: -51.823 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 78.06 Mbit/s
95th percentile per-packet one-way delay: -51.818 ms
Loss rate: 0.07%

Run 4: Report of Indigo — Data Link

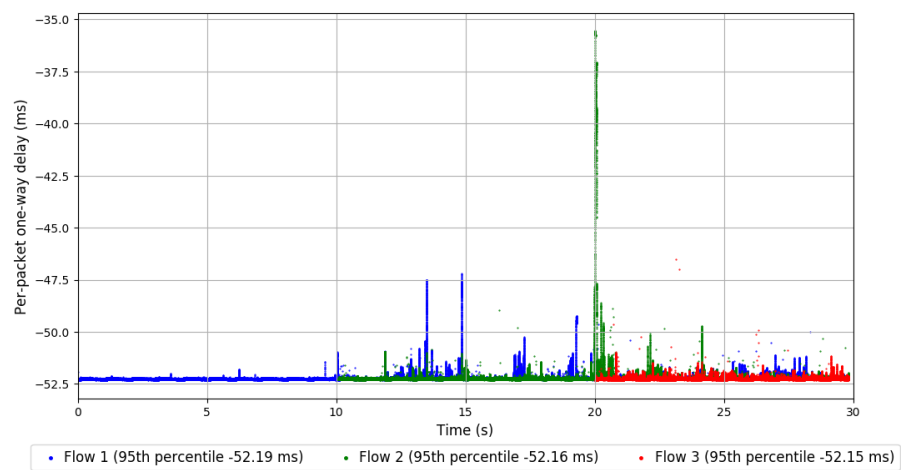
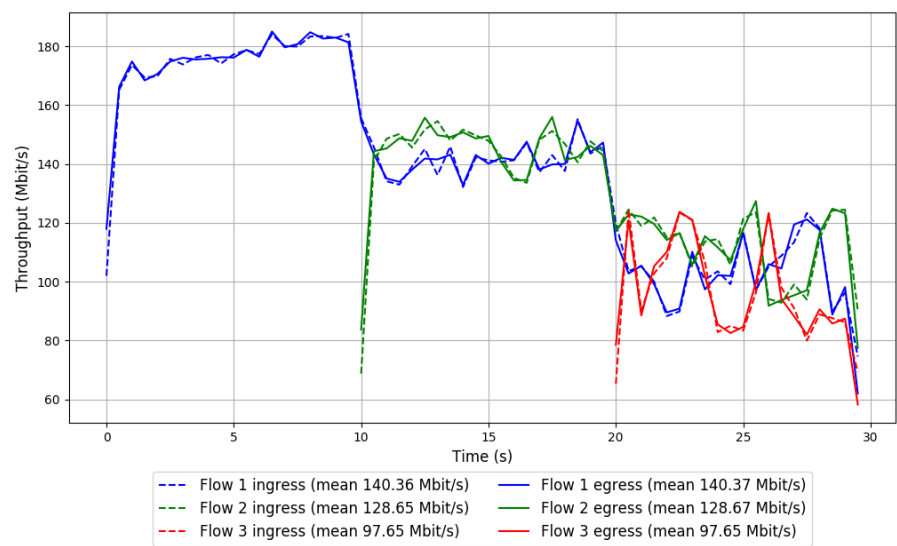


Run 5: Statistics of Indigo

Start at: 2017-11-16 08:44:44
End at: 2017-11-16 08:45:14
Local clock offset: -0.236 ms
Remote clock offset: 35.964 ms

Below is generated by plot.py at 2017-11-16 15:29:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.58 Mbit/s
95th percentile per-packet one-way delay: -52.180 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 140.37 Mbit/s
95th percentile per-packet one-way delay: -52.190 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 128.67 Mbit/s
95th percentile per-packet one-way delay: -52.163 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 97.65 Mbit/s
95th percentile per-packet one-way delay: -52.150 ms
Loss rate: 0.08%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-11-16 09:03:48

End at: 2017-11-16 09:04:18

Local clock offset: -0.418 ms

Remote clock offset: 36.32 ms

Below is generated by plot.py at 2017-11-16 15:29:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.29 Mbit/s

95th percentile per-packet one-way delay: -52.357 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 142.58 Mbit/s

95th percentile per-packet one-way delay: -52.370 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 122.84 Mbit/s

95th percentile per-packet one-way delay: -52.345 ms

Loss rate: 0.02%

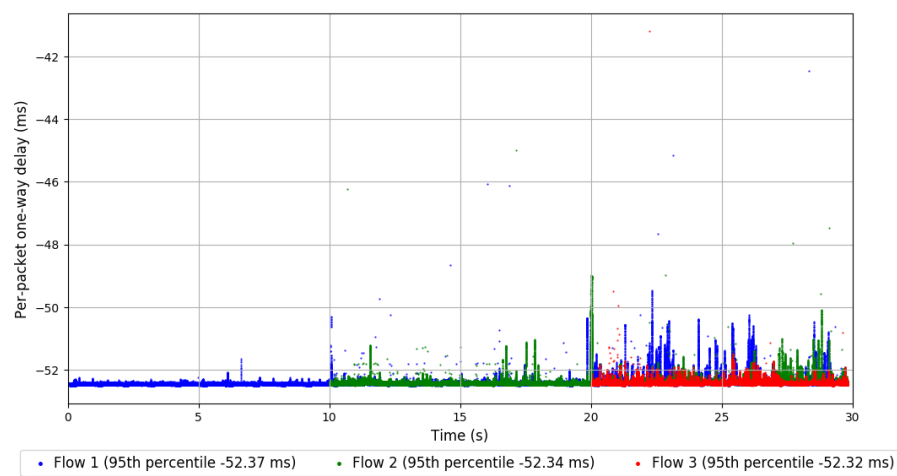
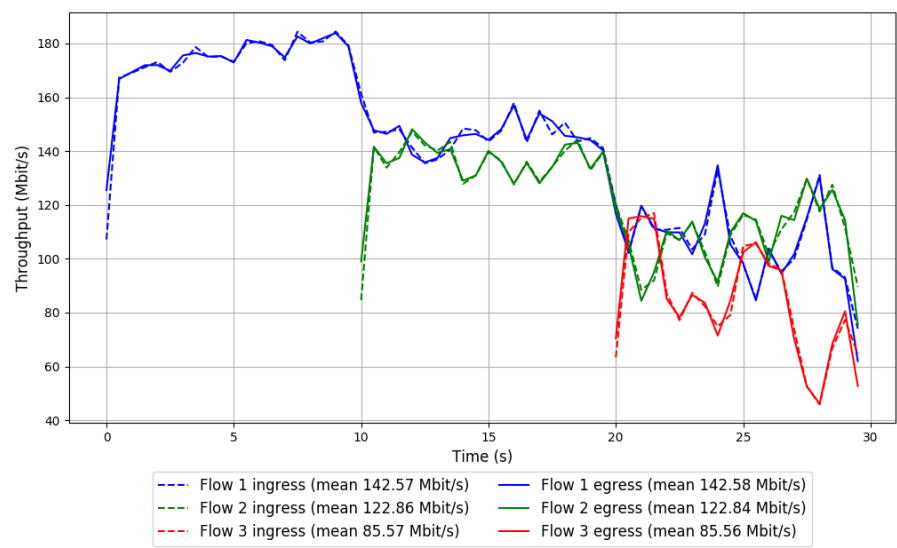
-- Flow 3:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: -52.324 ms

Loss rate: 0.07%

Run 6: Report of Indigo — Data Link

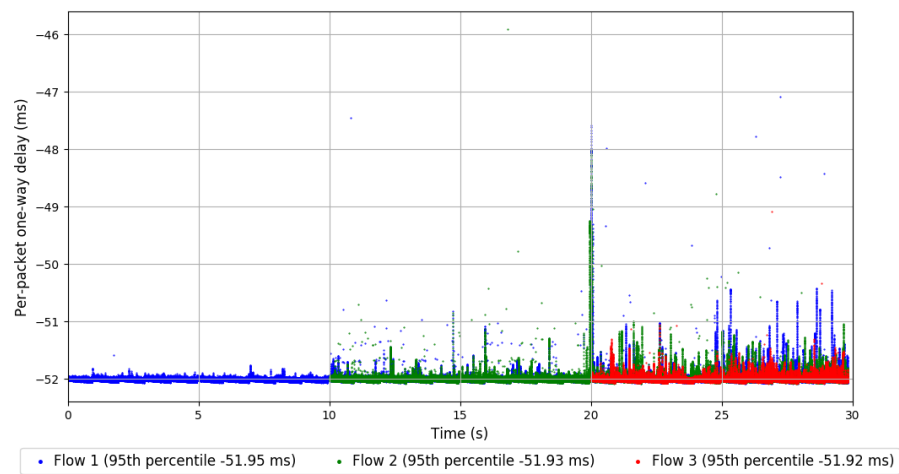
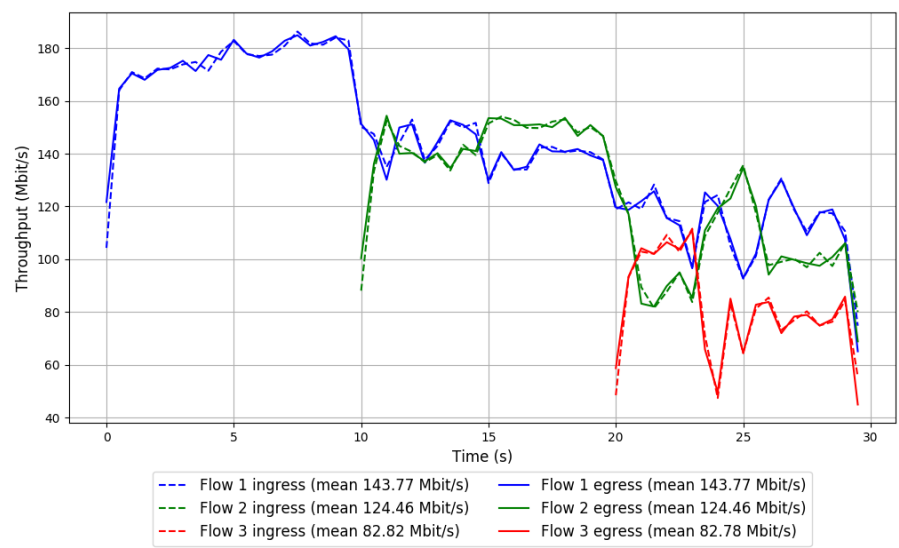


Run 7: Statistics of Indigo

Start at: 2017-11-16 09:22:50
End at: 2017-11-16 09:23:20
Local clock offset: -0.346 ms
Remote clock offset: 35.755 ms

Below is generated by plot.py at 2017-11-16 15:29:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.64 Mbit/s
95th percentile per-packet one-way delay: -51.944 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 143.77 Mbit/s
95th percentile per-packet one-way delay: -51.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.46 Mbit/s
95th percentile per-packet one-way delay: -51.932 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 82.78 Mbit/s
95th percentile per-packet one-way delay: -51.917 ms
Loss rate: 0.08%

Run 7: Report of Indigo — Data Link

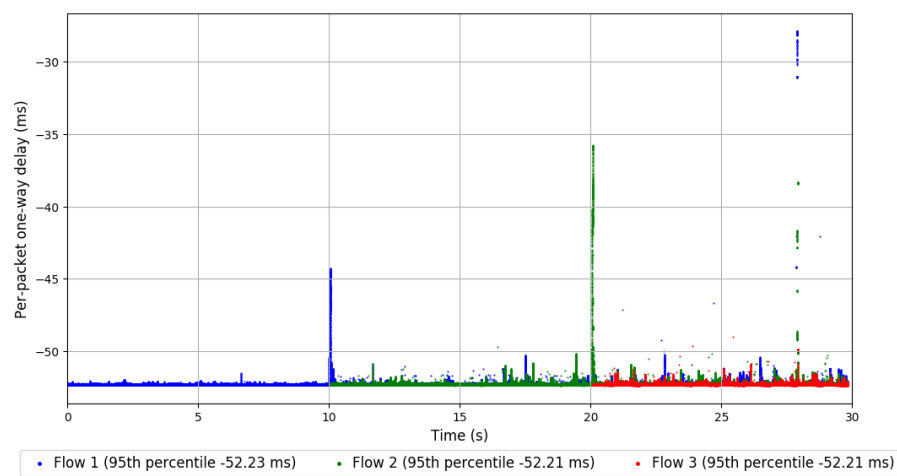
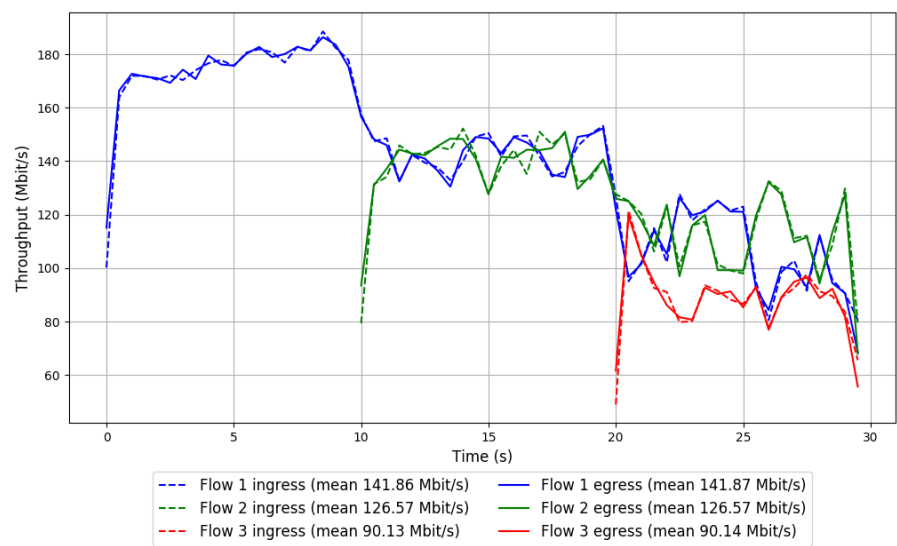


Run 8: Statistics of Indigo

Start at: 2017-11-16 09:41:46
End at: 2017-11-16 09:42:16
Local clock offset: -0.294 ms
Remote clock offset: 35.378 ms

Below is generated by plot.py at 2017-11-16 15:30:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.30 Mbit/s
95th percentile per-packet one-way delay: -52.220 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 141.87 Mbit/s
95th percentile per-packet one-way delay: -52.226 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 126.57 Mbit/s
95th percentile per-packet one-way delay: -52.210 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: -52.209 ms
Loss rate: 0.03%

Run 8: Report of Indigo — Data Link

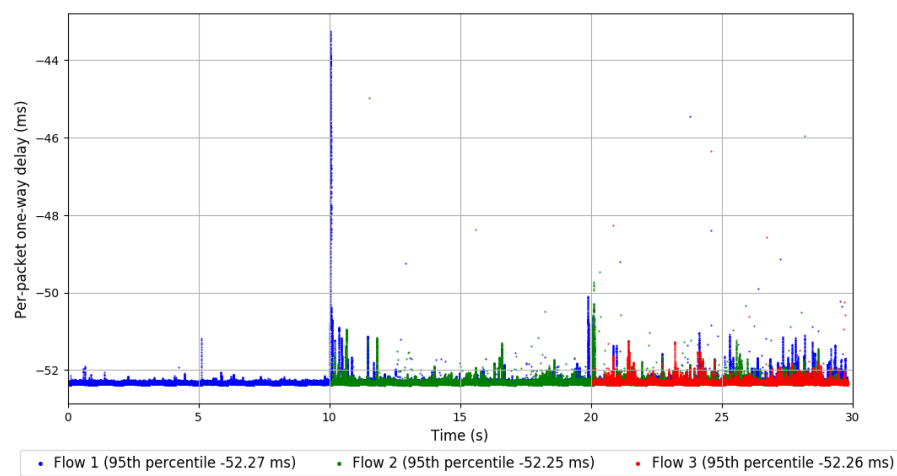
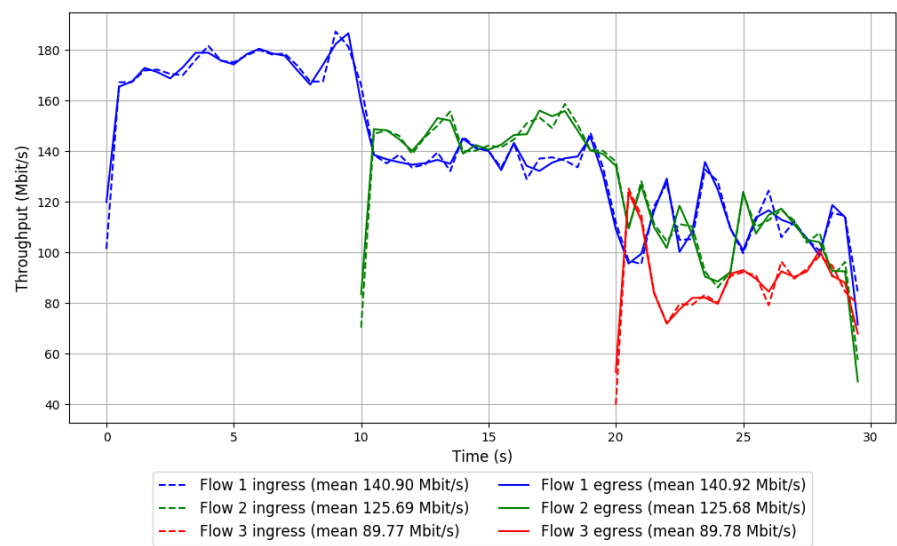


Run 9: Statistics of Indigo

Start at: 2017-11-16 10:00:43
End at: 2017-11-16 10:01:13
Local clock offset: -0.263 ms
Remote clock offset: 35.375 ms

Below is generated by plot.py at 2017-11-16 15:30:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.44 Mbit/s
95th percentile per-packet one-way delay: -52.263 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 140.92 Mbit/s
95th percentile per-packet one-way delay: -52.268 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 125.68 Mbit/s
95th percentile per-packet one-way delay: -52.254 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 89.78 Mbit/s
95th percentile per-packet one-way delay: -52.255 ms
Loss rate: 0.03%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-11-16 10:19:46

End at: 2017-11-16 10:20:16

Local clock offset: -0.232 ms

Remote clock offset: 35.54 ms

Below is generated by plot.py at 2017-11-16 15:31:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.72 Mbit/s

95th percentile per-packet one-way delay: -52.157 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 142.16 Mbit/s

95th percentile per-packet one-way delay: -52.191 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 121.40 Mbit/s

95th percentile per-packet one-way delay: -52.138 ms

Loss rate: 0.01%

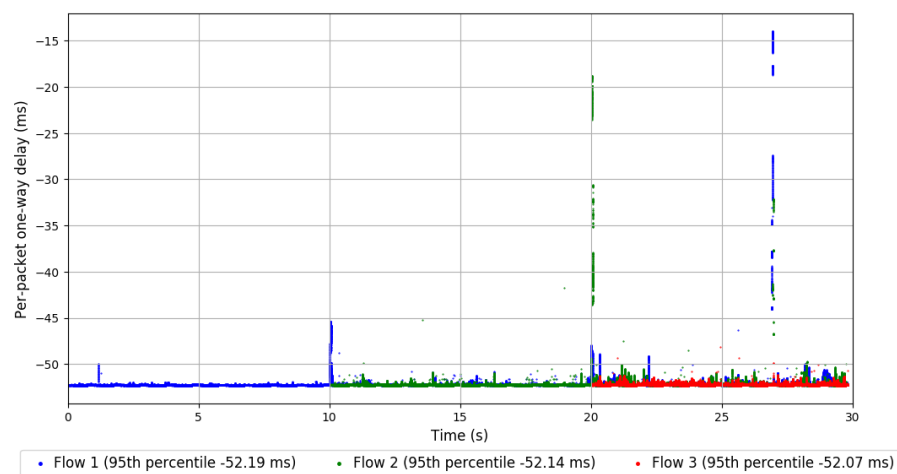
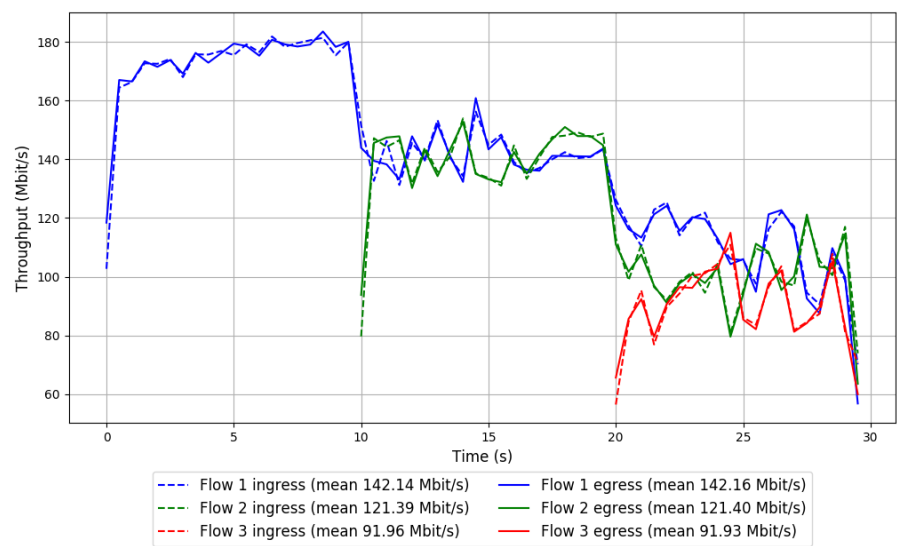
-- Flow 3:

Average throughput: 91.93 Mbit/s

95th percentile per-packet one-way delay: -52.074 ms

Loss rate: 0.06%

Run 10: Report of Indigo — Data Link

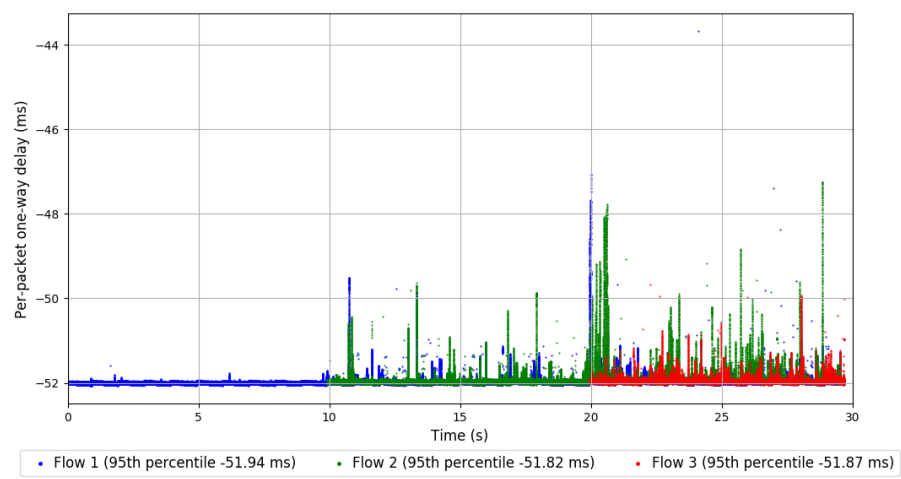
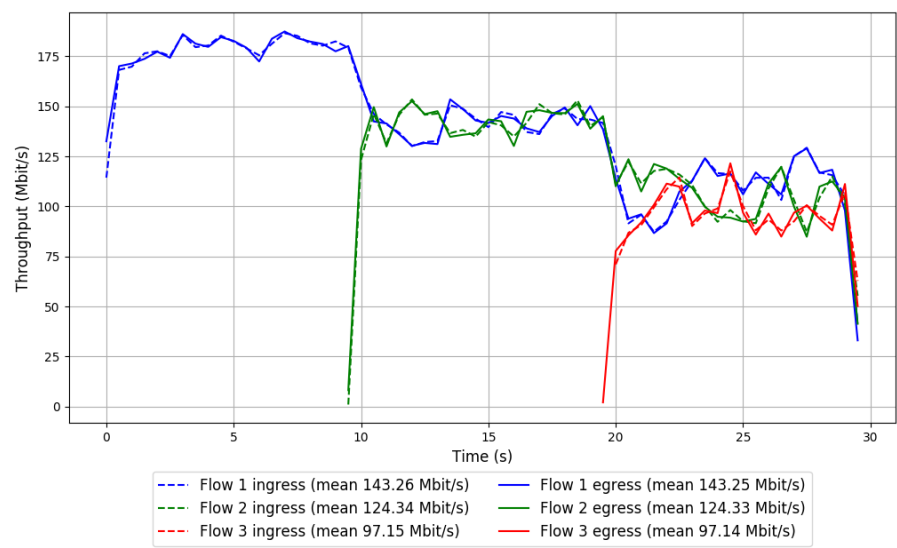


Run 1: Statistics of Indigo-calib

Start at: 2017-11-16 07:26:09
End at: 2017-11-16 07:26:39
Local clock offset: 0.482 ms
Remote clock offset: 32.709 ms

Below is generated by plot.py at 2017-11-16 15:31:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.91 Mbit/s
95th percentile per-packet one-way delay: -51.908 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 143.25 Mbit/s
95th percentile per-packet one-way delay: -51.938 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 124.33 Mbit/s
95th percentile per-packet one-way delay: -51.821 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: -51.869 ms
Loss rate: 0.05%

Run 1: Report of Indigo-calib — Data Link

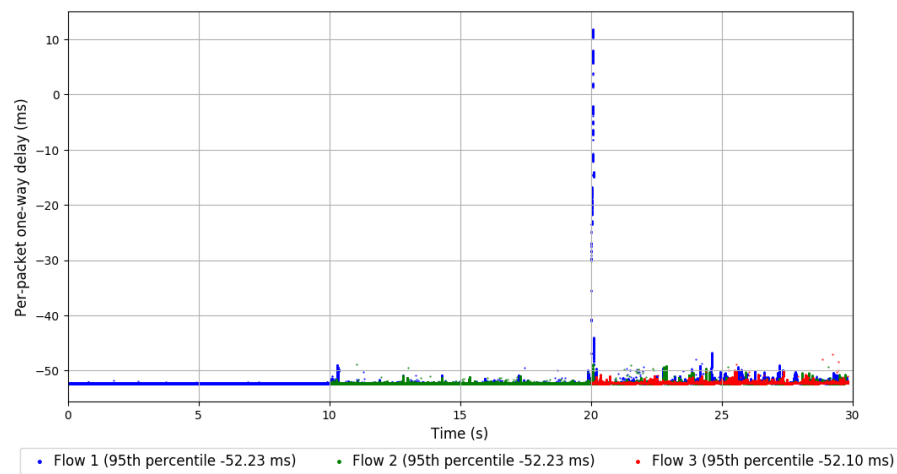
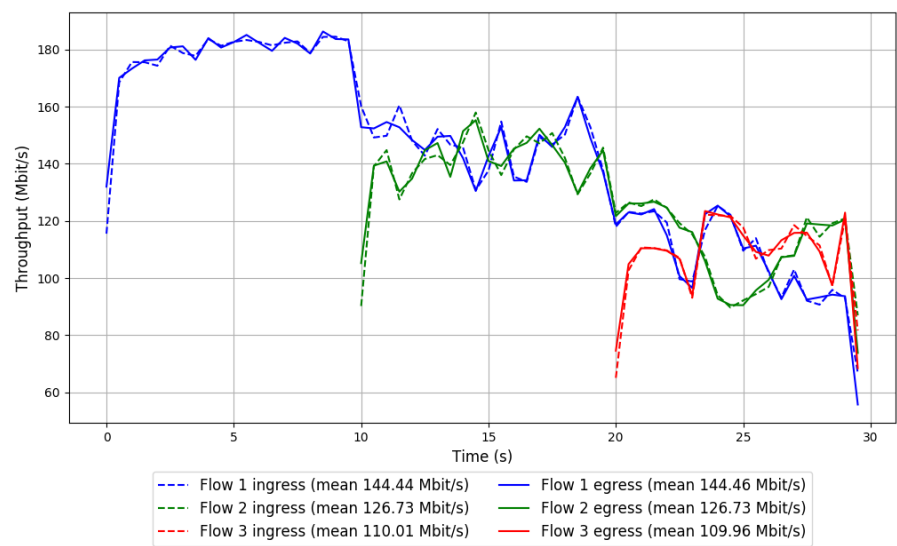


Run 2: Statistics of Indigo-calib

Start at: 2017-11-16 07:44:34
End at: 2017-11-16 07:45:04
Local clock offset: 0.288 ms
Remote clock offset: 33.875 ms

Below is generated by plot.py at 2017-11-16 15:32:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.52 Mbit/s
95th percentile per-packet one-way delay: -52.211 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 144.46 Mbit/s
95th percentile per-packet one-way delay: -52.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.73 Mbit/s
95th percentile per-packet one-way delay: -52.228 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 109.96 Mbit/s
95th percentile per-packet one-way delay: -52.105 ms
Loss rate: 0.06%

Run 2: Report of Indigo-calib — Data Link

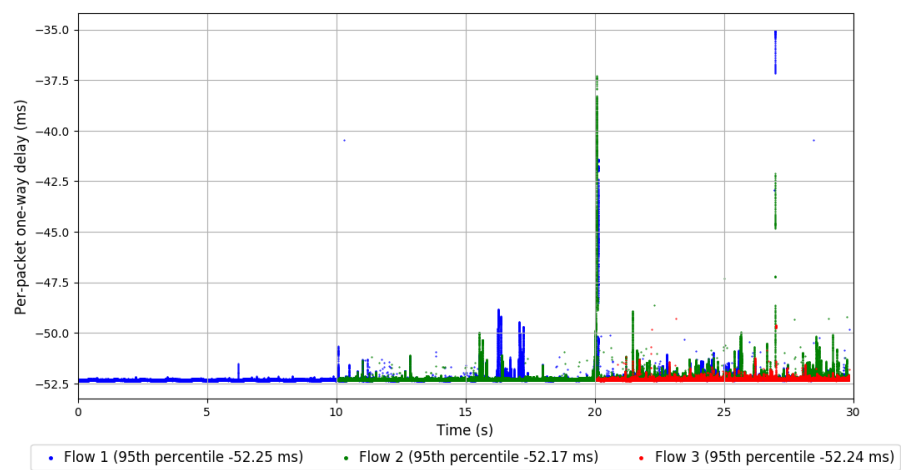
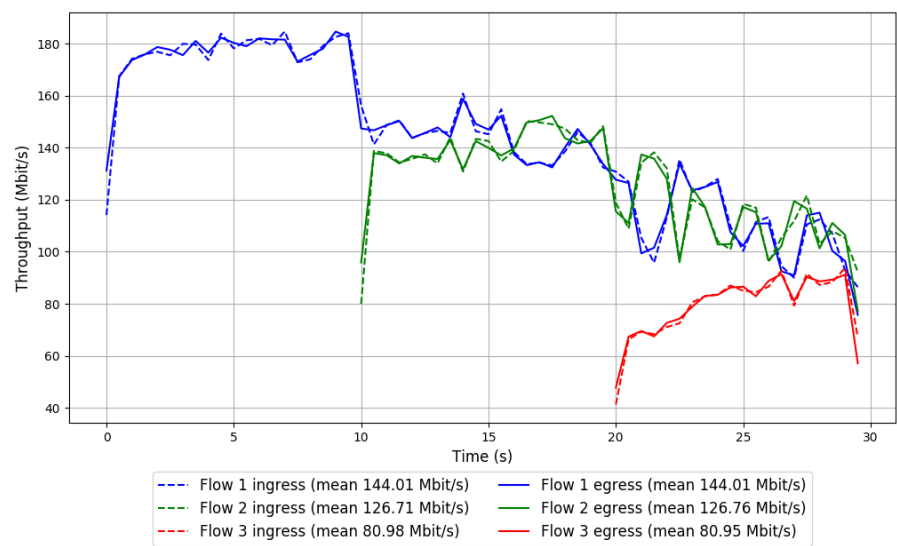


Run 3: Statistics of Indigo-calib

Start at: 2017-11-16 08:03:28
End at: 2017-11-16 08:03:58
Local clock offset: 0.036 ms
Remote clock offset: 34.569 ms

Below is generated by plot.py at 2017-11-16 15:33:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.40 Mbit/s
95th percentile per-packet one-way delay: -52.226 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 144.01 Mbit/s
95th percentile per-packet one-way delay: -52.247 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.76 Mbit/s
95th percentile per-packet one-way delay: -52.169 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 80.95 Mbit/s
95th percentile per-packet one-way delay: -52.237 ms
Loss rate: 0.07%

Run 3: Report of Indigo-calib — Data Link

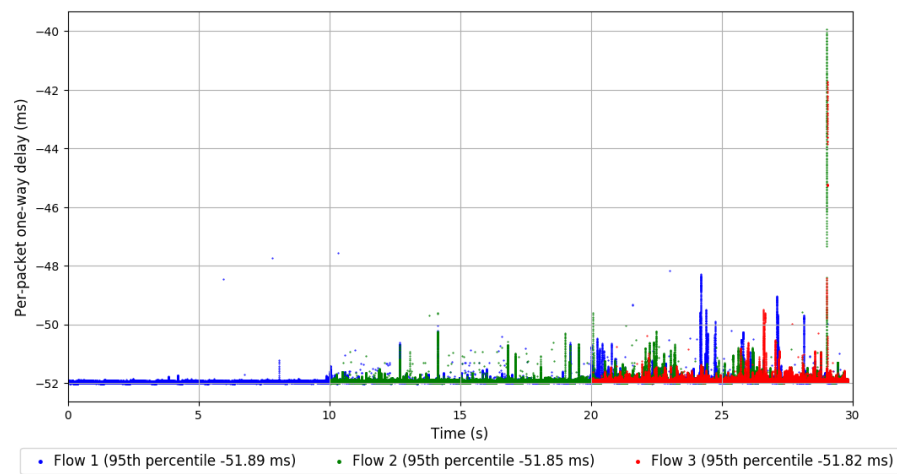
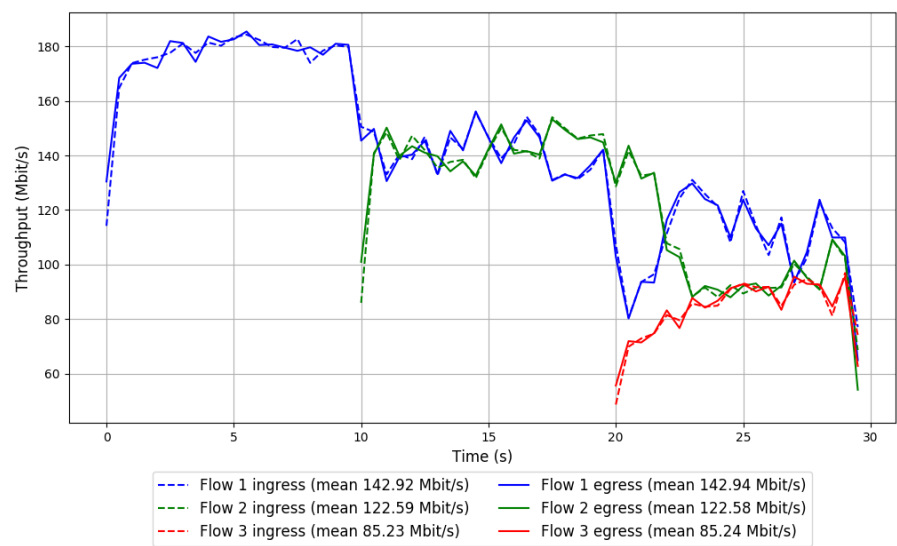


Run 4: Statistics of Indigo-calib

Start at: 2017-11-16 08:22:22
End at: 2017-11-16 08:22:52
Local clock offset: -0.122 ms
Remote clock offset: 35.008 ms

Below is generated by plot.py at 2017-11-16 15:33:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.08 Mbit/s
95th percentile per-packet one-way delay: -51.871 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 142.94 Mbit/s
95th percentile per-packet one-way delay: -51.894 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 122.58 Mbit/s
95th percentile per-packet one-way delay: -51.851 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 85.24 Mbit/s
95th percentile per-packet one-way delay: -51.816 ms
Loss rate: 0.03%

Run 4: Report of Indigo-calib — Data Link

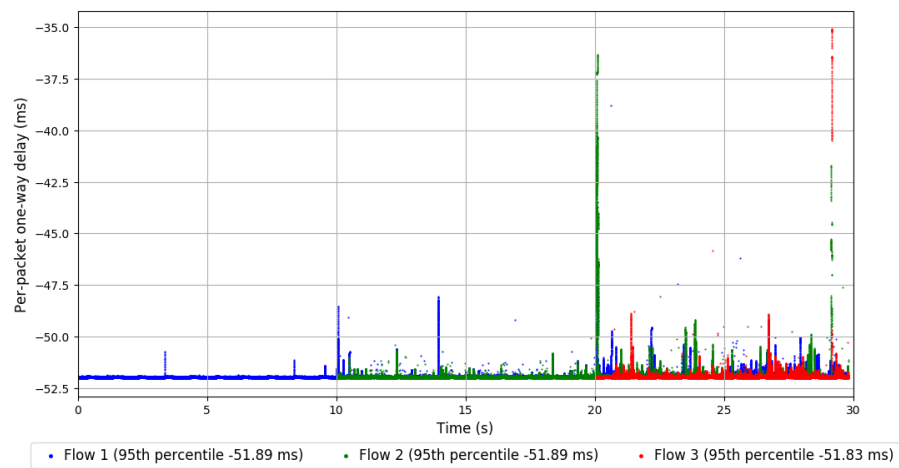
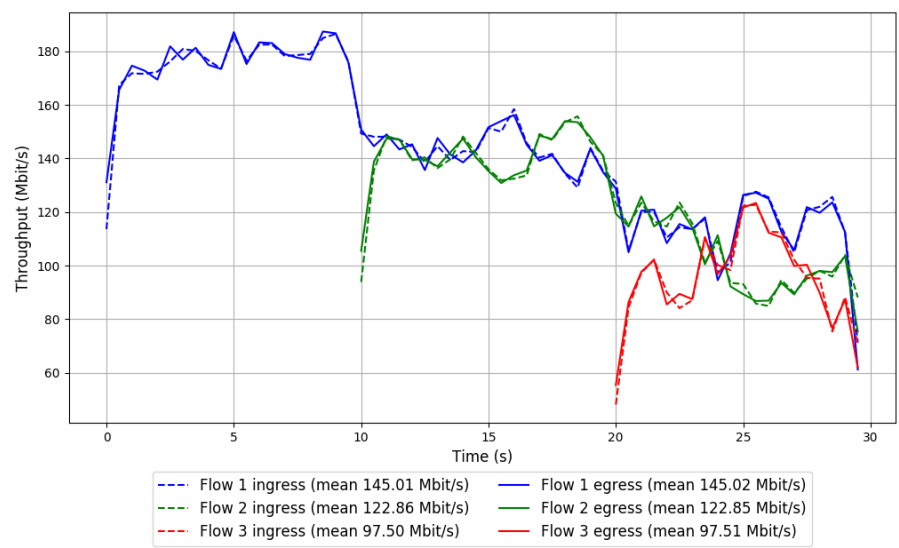


Run 5: Statistics of Indigo-calib

Start at: 2017-11-16 08:41:15
End at: 2017-11-16 08:41:45
Local clock offset: -0.288 ms
Remote clock offset: 35.551 ms

Below is generated by plot.py at 2017-11-16 15:33:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 258.35 Mbit/s
95th percentile per-packet one-way delay: -51.888 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 145.02 Mbit/s
95th percentile per-packet one-way delay: -51.894 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 122.85 Mbit/s
95th percentile per-packet one-way delay: -51.889 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: -51.826 ms
Loss rate: 0.03%

Run 5: Report of Indigo-calib — Data Link

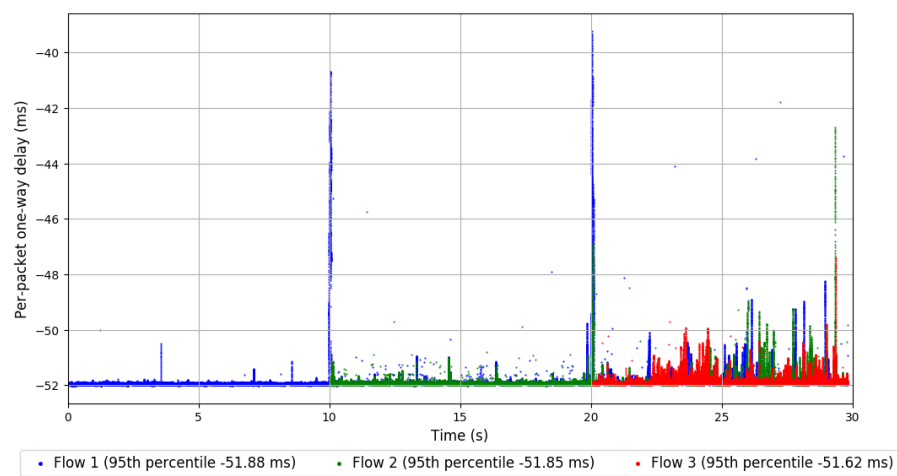
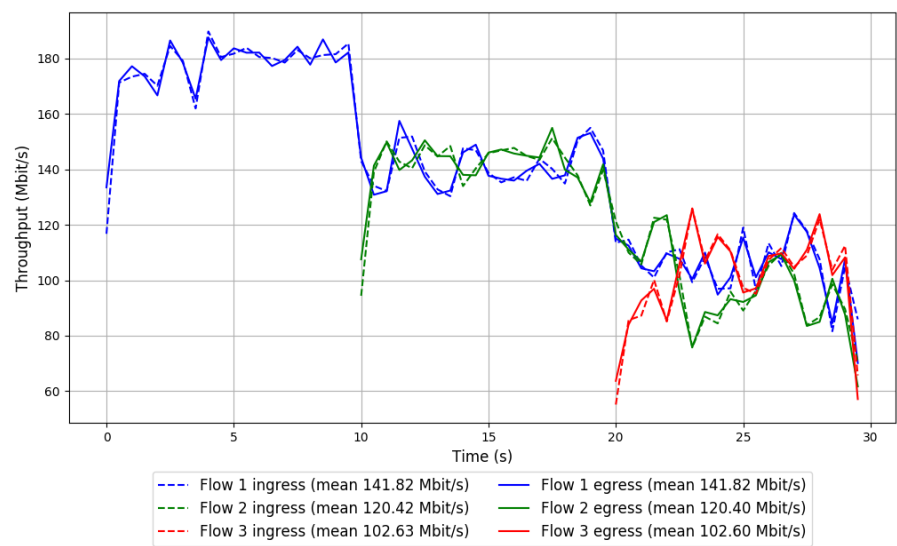


Run 6: Statistics of Indigo-calib

Start at: 2017-11-16 09:00:19
End at: 2017-11-16 09:00:49
Local clock offset: -0.324 ms
Remote clock offset: 35.848 ms

Below is generated by plot.py at 2017-11-16 15:33:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.36 Mbit/s
95th percentile per-packet one-way delay: -51.846 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 141.82 Mbit/s
95th percentile per-packet one-way delay: -51.883 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 120.40 Mbit/s
95th percentile per-packet one-way delay: -51.850 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 102.60 Mbit/s
95th percentile per-packet one-way delay: -51.625 ms
Loss rate: 0.05%

Run 6: Report of Indigo-calib — Data Link

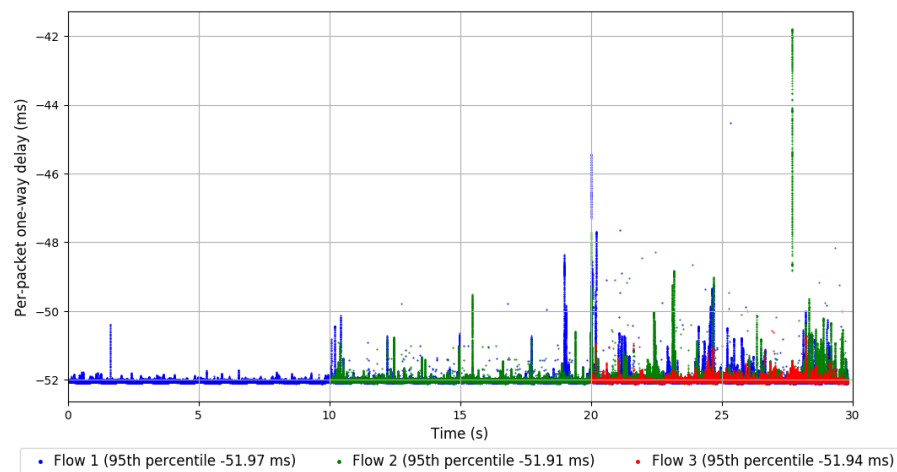
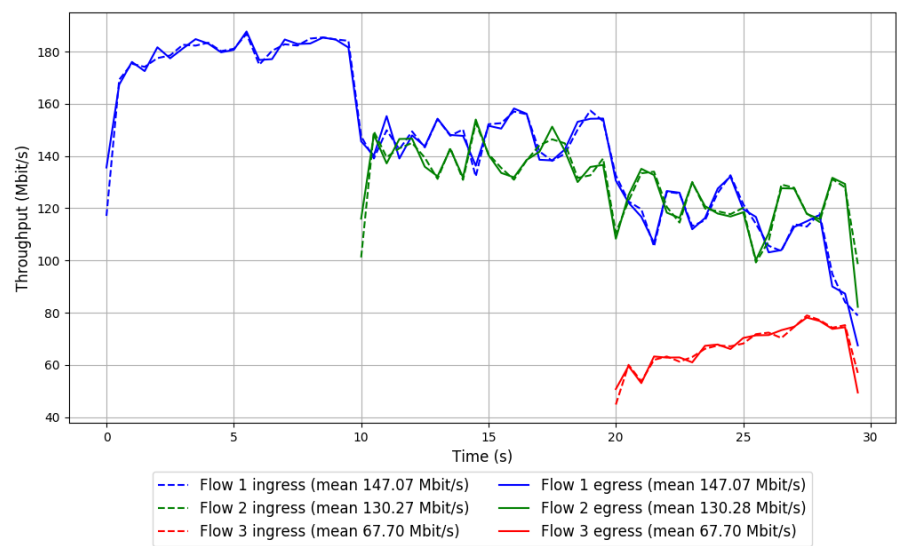


Run 7: Statistics of Indigo-calib

Start at: 2017-11-16 09:19:21
End at: 2017-11-16 09:19:51
Local clock offset: -0.363 ms
Remote clock offset: 35.893 ms

Below is generated by plot.py at 2017-11-16 15:33:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.79 Mbit/s
95th percentile per-packet one-way delay: -51.950 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 147.07 Mbit/s
95th percentile per-packet one-way delay: -51.974 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 130.28 Mbit/s
95th percentile per-packet one-way delay: -51.910 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 67.70 Mbit/s
95th percentile per-packet one-way delay: -51.941 ms
Loss rate: 0.03%

Run 7: Report of Indigo-calib — Data Link

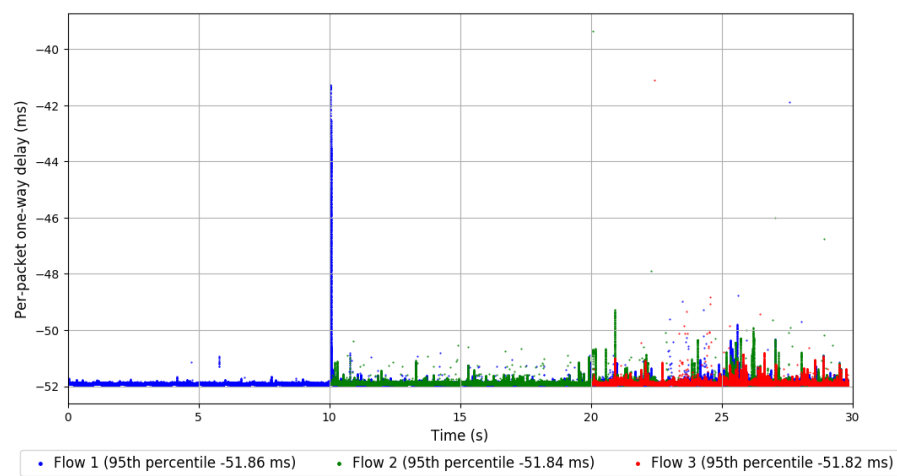
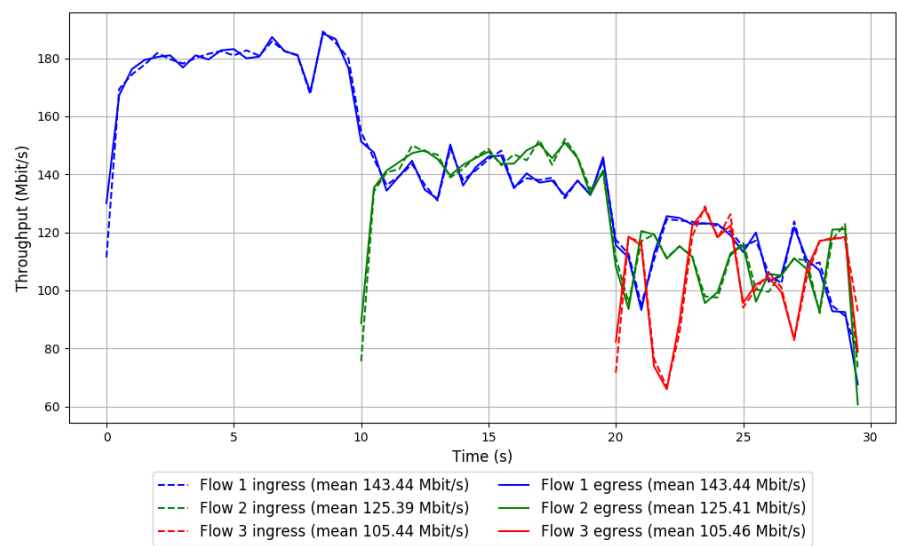


Run 8: Statistics of Indigo-calib

Start at: 2017-11-16 09:38:17
End at: 2017-11-16 09:38:47
Local clock offset: -0.302 ms
Remote clock offset: 35.122 ms

Below is generated by plot.py at 2017-11-16 15:34:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.97 Mbit/s
95th percentile per-packet one-way delay: -51.849 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 143.44 Mbit/s
95th percentile per-packet one-way delay: -51.864 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 125.41 Mbit/s
95th percentile per-packet one-way delay: -51.840 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 105.46 Mbit/s
95th percentile per-packet one-way delay: -51.816 ms
Loss rate: 0.05%

Run 8: Report of Indigo-calib — Data Link



Run 9: Statistics of Indigo-calib

Start at: 2017-11-16 09:57:14

End at: 2017-11-16 09:57:44

Local clock offset: -0.292 ms

Remote clock offset: 35.28 ms

Below is generated by plot.py at 2017-11-16 15:34:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 255.39 Mbit/s

95th percentile per-packet one-way delay: -52.225 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 141.09 Mbit/s

95th percentile per-packet one-way delay: -52.226 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 118.08 Mbit/s

95th percentile per-packet one-way delay: -52.234 ms

Loss rate: 0.01%

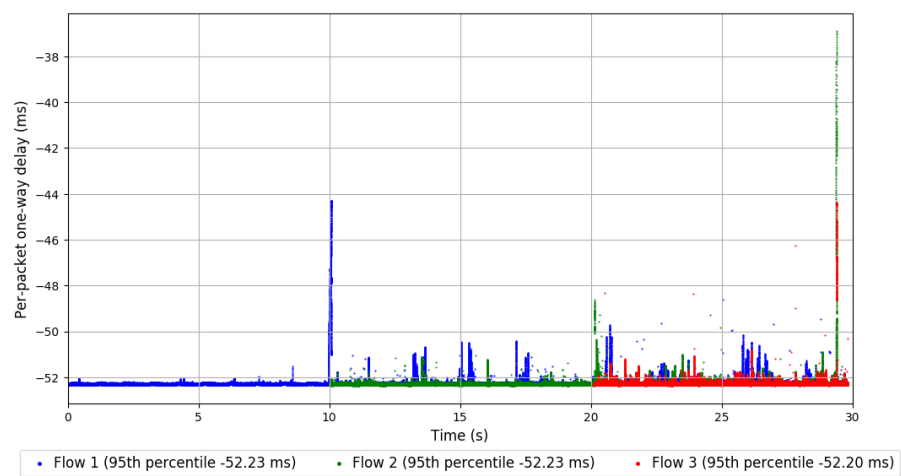
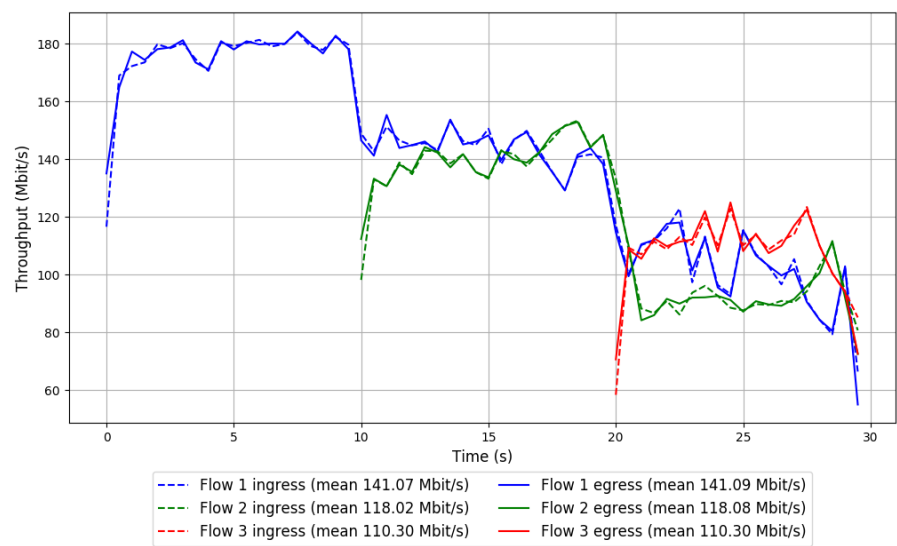
-- Flow 3:

Average throughput: 110.30 Mbit/s

95th percentile per-packet one-way delay: -52.197 ms

Loss rate: 0.03%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-11-16 10:16:17
End at: 2017-11-16 10:16:47
Local clock offset: -0.224 ms
Remote clock offset: 35.145 ms

Below is generated by plot.py at 2017-11-16 15:34:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.16 Mbit/s
95th percentile per-packet one-way delay: -51.824 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 146.89 Mbit/s
95th percentile per-packet one-way delay: -51.839 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 124.38 Mbit/s
95th percentile per-packet one-way delay: -51.795 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 72.16 Mbit/s
95th percentile per-packet one-way delay: -51.801 ms
Loss rate: 0.16%

Run 10: Report of Indigo-calib — Data Link

