

Pantheon Report

Generated at 2017-12-01 07:45:36 (UTC).

Data path: GCE London Ethernet (*remote*) → GCE Iowa 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.

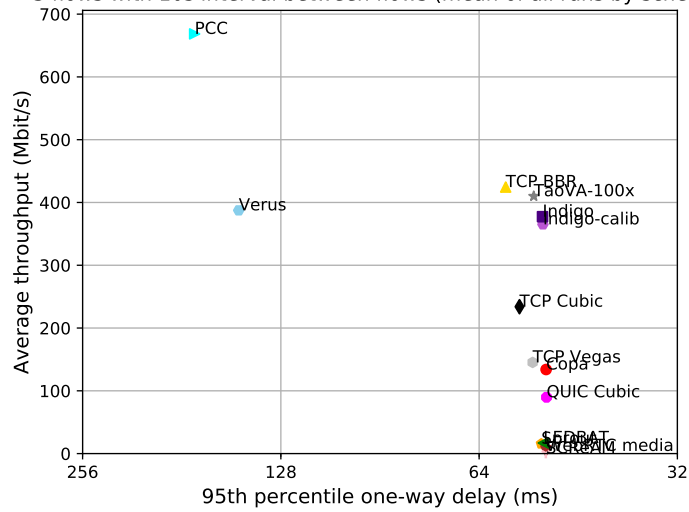
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

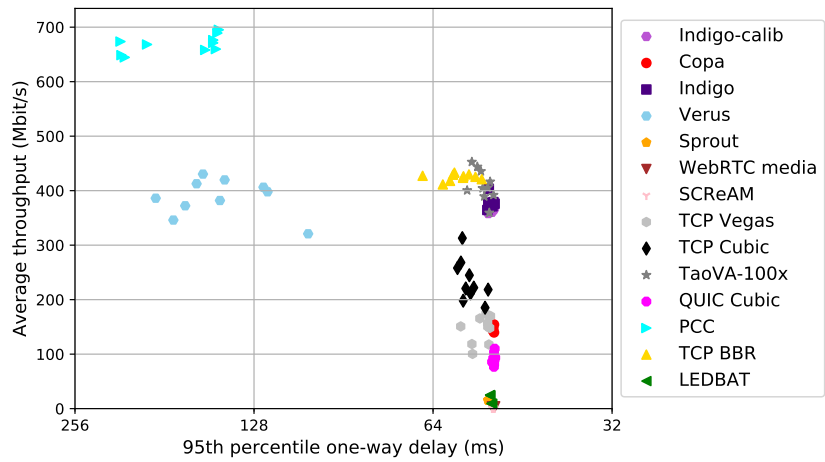
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
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-quick @ 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 GCE London Ethernet to GCE Iowa Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE London Ethernet to GCE Iowa Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



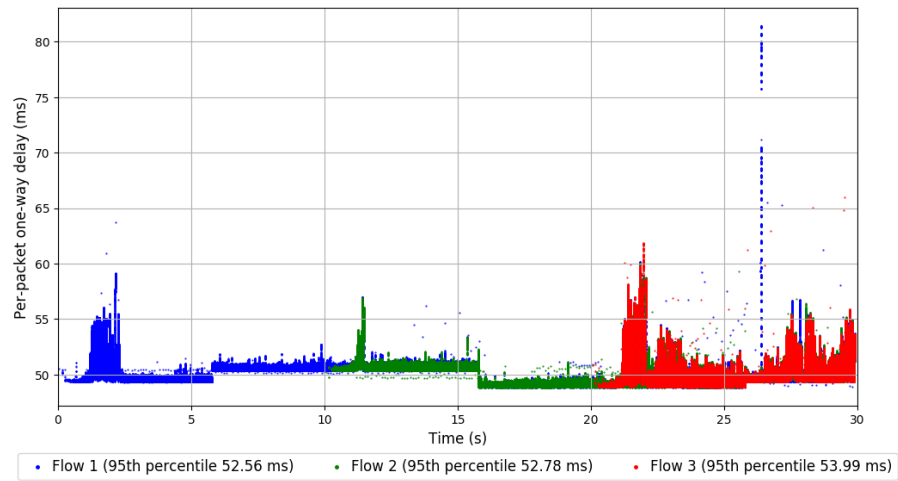
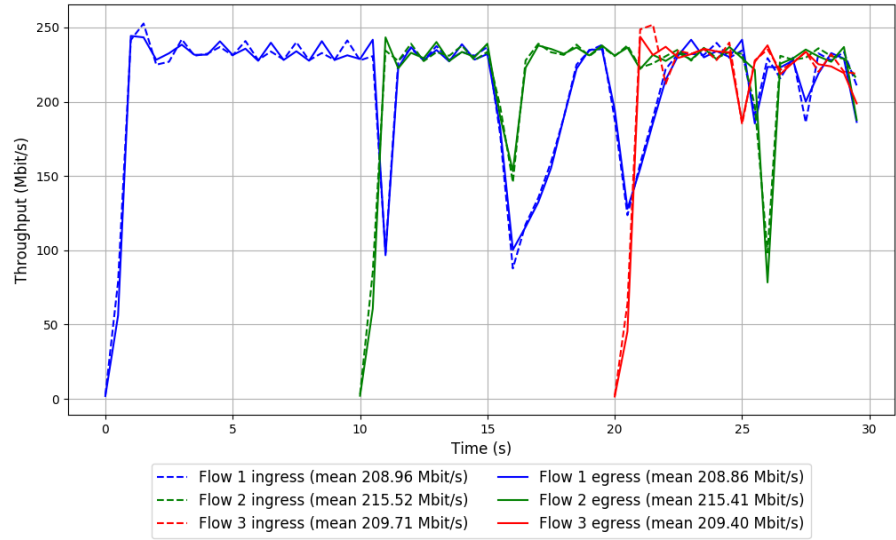
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	215.08	213.30	205.47	56.43	58.15	63.80	0.35	0.57	1.18
TCP Cubic	10	124.66	112.64	104.64	55.54	54.83	54.32	0.36	0.55	1.89
LEDBAT	4	5.00	12.80	8.96	1437.54	51.21	51.05	0.37	0.88	2.34
PCC	10	614.67	58.74	45.57	175.71	151.24	141.34	2.14	1.87	3.01
QUIC Cubic	10	57.45	36.21	25.13	50.50	50.27	50.43	0.44	0.99	1.96
SCReAM	10	0.22	0.22	0.22	50.57	50.36	50.19	0.33	0.44	0.89
WebRTC media	10	2.25	1.44	0.59	50.53	50.05	50.51	0.40	0.55	1.40
Sprout	10	7.95	7.86	7.52	51.49	51.51	51.23	0.33	0.61	1.48
TaoVA-100x	10	216.14	210.75	209.90	52.87	53.14	56.25	0.29	0.43	1.17
TCP Vegas	10	70.90	71.60	81.36	52.52	53.14	52.48	0.29	0.54	1.00
Verus	10	237.89	146.86	160.81	131.20	143.72	158.53	1.27	2.58	2.93
Copa	5	63.24	73.16	81.46	362.25	50.63	50.50	0.17	0.48	1.41
Indigo	9	191.48	186.50	181.90	51.10	51.43	51.54	0.35	0.53	1.12
Indigo-calib	10	185.92	182.77	178.32	51.06	51.31	51.36	0.32	0.36	1.05

```
Run 1: Statistics of TCP BBR

Start at: 2017-12-01 02:16:02
End at: 2017-12-01 02:16:32

# Below is generated by plot.py at 2017-12-01 06:36:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 421.05 Mbit/s
95th percentile per-packet one-way delay: 53.002 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 208.86 Mbit/s
95th percentile per-packet one-way delay: 52.556 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 215.41 Mbit/s
95th percentile per-packet one-way delay: 52.782 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 209.40 Mbit/s
95th percentile per-packet one-way delay: 53.989 ms
Loss rate: 1.16%
```


Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-12-01 02:28:34

End at: 2017-12-01 02:29:04

Below is generated by plot.py at 2017-12-01 06:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.10 Mbit/s

95th percentile per-packet one-way delay: 58.914 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 219.14 Mbit/s

95th percentile per-packet one-way delay: 56.658 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 215.82 Mbit/s

95th percentile per-packet one-way delay: 59.251 ms

Loss rate: 0.55%

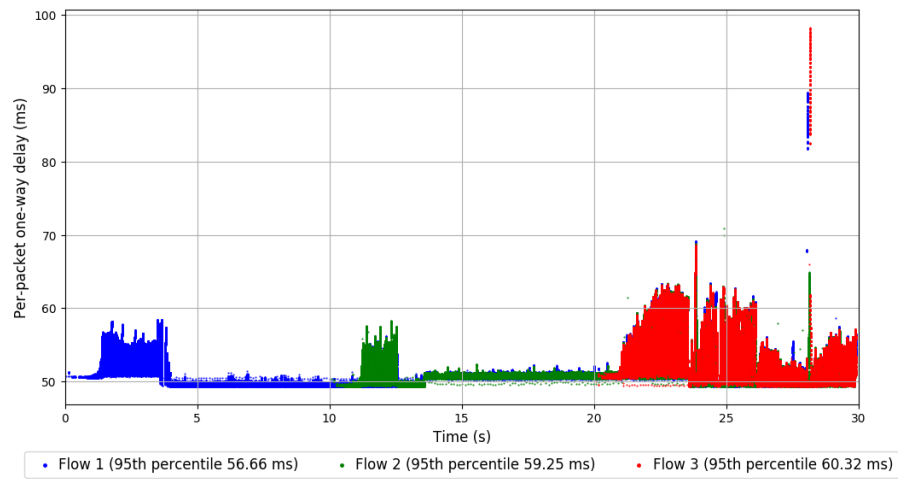
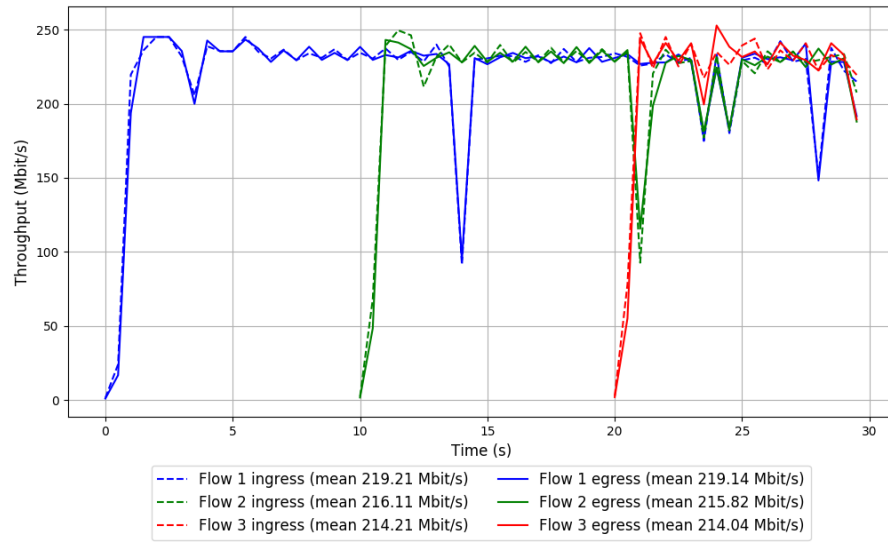
-- Flow 3:

Average throughput: 214.04 Mbit/s

95th percentile per-packet one-way delay: 60.321 ms

Loss rate: 1.09%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-12-01 02:41:13

End at: 2017-12-01 02:41:43

Below is generated by plot.py at 2017-12-01 06:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 429.29 Mbit/s

95th percentile per-packet one-way delay: 59.257 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 217.06 Mbit/s

95th percentile per-packet one-way delay: 57.260 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 218.79 Mbit/s

95th percentile per-packet one-way delay: 58.432 ms

Loss rate: 0.56%

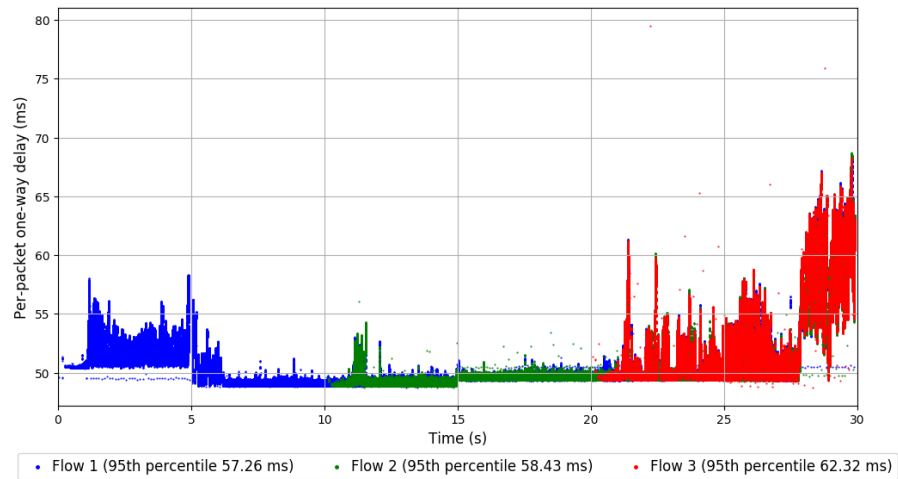
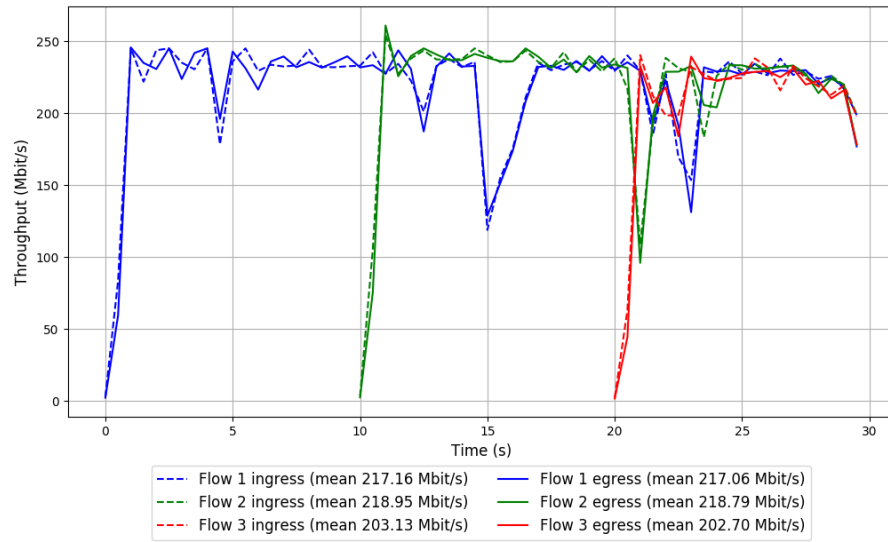
-- Flow 3:

Average throughput: 202.70 Mbit/s

95th percentile per-packet one-way delay: 62.319 ms

Loss rate: 1.22%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-12-01 02:53:58

End at: 2017-12-01 02:54:28

Below is generated by plot.py at 2017-12-01 06:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 425.39 Mbit/s

95th percentile per-packet one-way delay: 54.309 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 211.53 Mbit/s

95th percentile per-packet one-way delay: 53.973 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 217.56 Mbit/s

95th percentile per-packet one-way delay: 54.067 ms

Loss rate: 0.56%

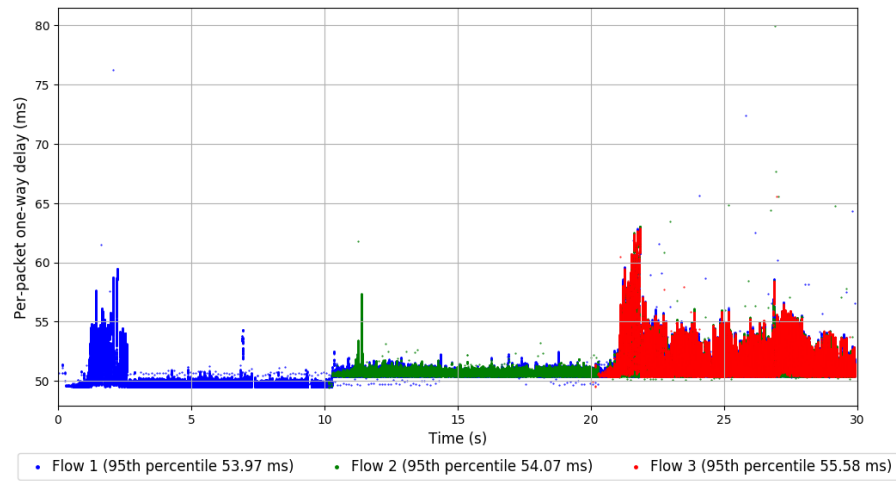
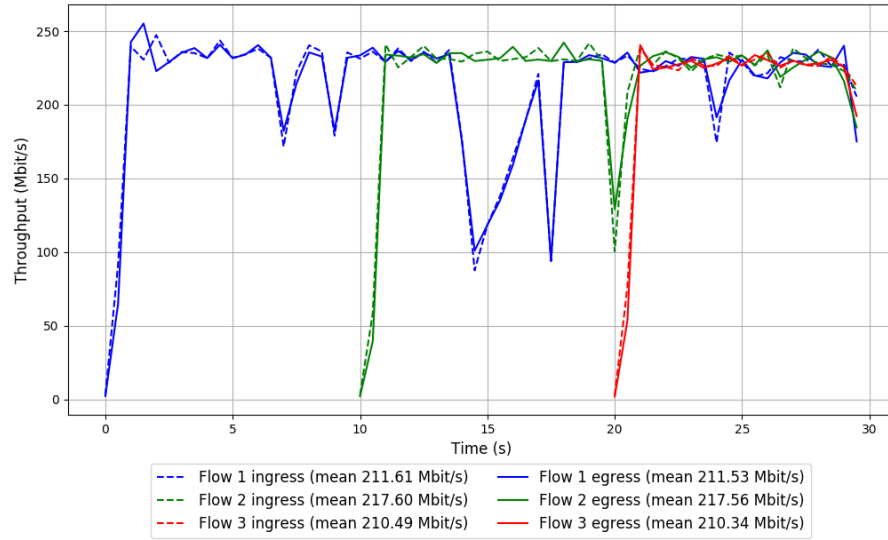
-- Flow 3:

Average throughput: 210.34 Mbit/s

95th percentile per-packet one-way delay: 55.576 ms

Loss rate: 1.09%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-12-01 03:06:30

End at: 2017-12-01 03:07:00

Below is generated by plot.py at 2017-12-01 06:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 418.00 Mbit/s

95th percentile per-packet one-way delay: 59.936 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 211.87 Mbit/s

95th percentile per-packet one-way delay: 58.770 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 209.10 Mbit/s

95th percentile per-packet one-way delay: 59.942 ms

Loss rate: 0.57%

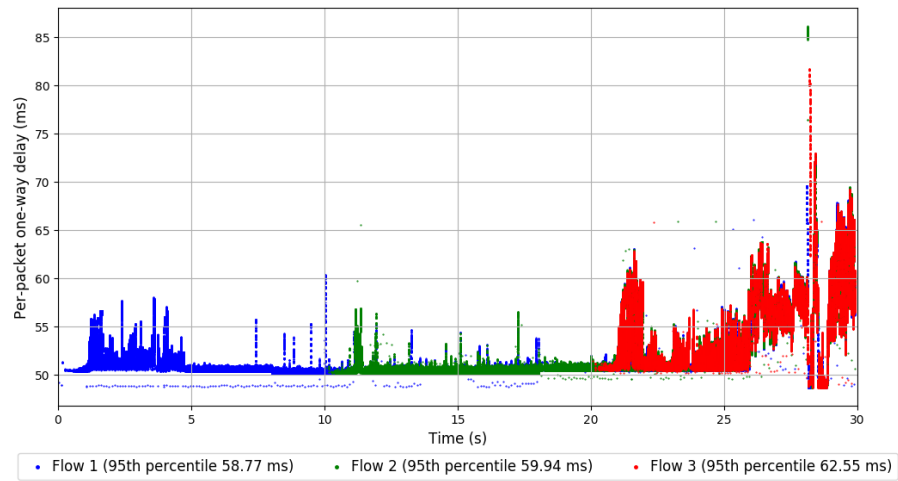
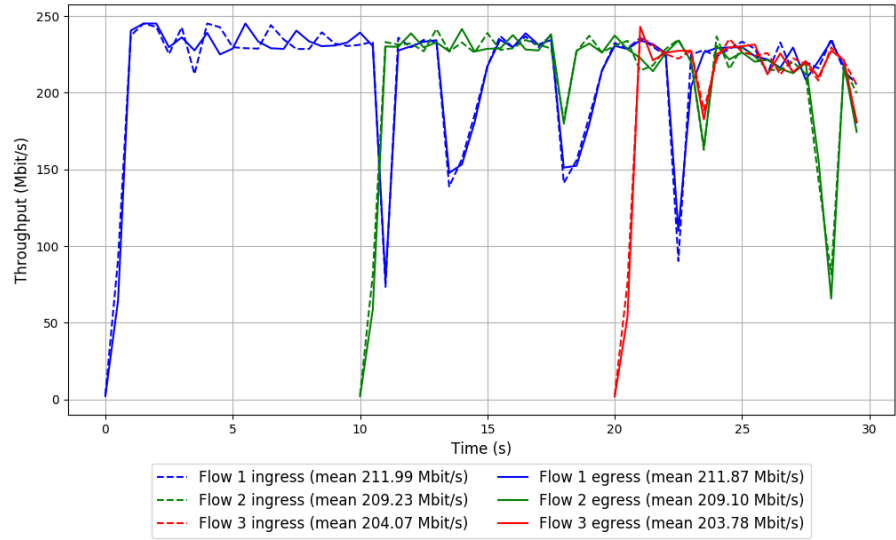
-- Flow 3:

Average throughput: 203.78 Mbit/s

95th percentile per-packet one-way delay: 62.545 ms

Loss rate: 1.19%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-12-01 03:19:03

End at: 2017-12-01 03:19:33

Below is generated by plot.py at 2017-12-01 06:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 427.30 Mbit/s

95th percentile per-packet one-way delay: 66.637 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 219.54 Mbit/s

95th percentile per-packet one-way delay: 60.413 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 209.95 Mbit/s

95th percentile per-packet one-way delay: 66.369 ms

Loss rate: 0.60%

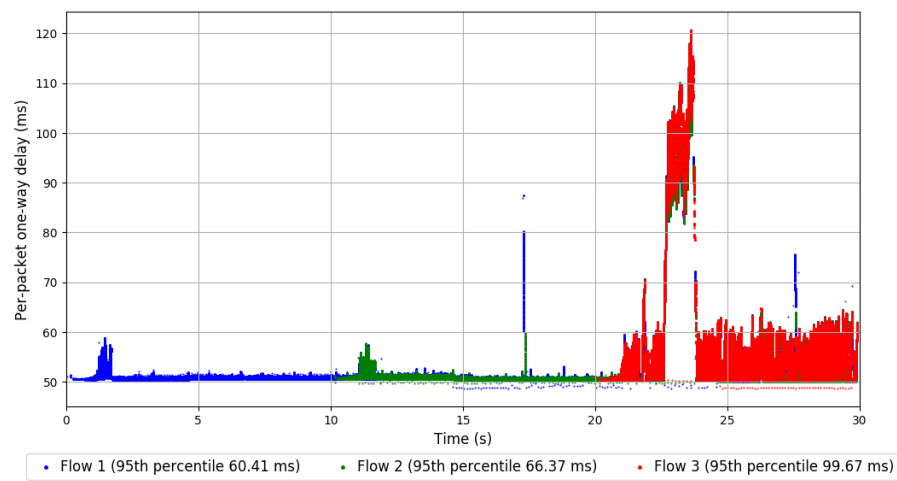
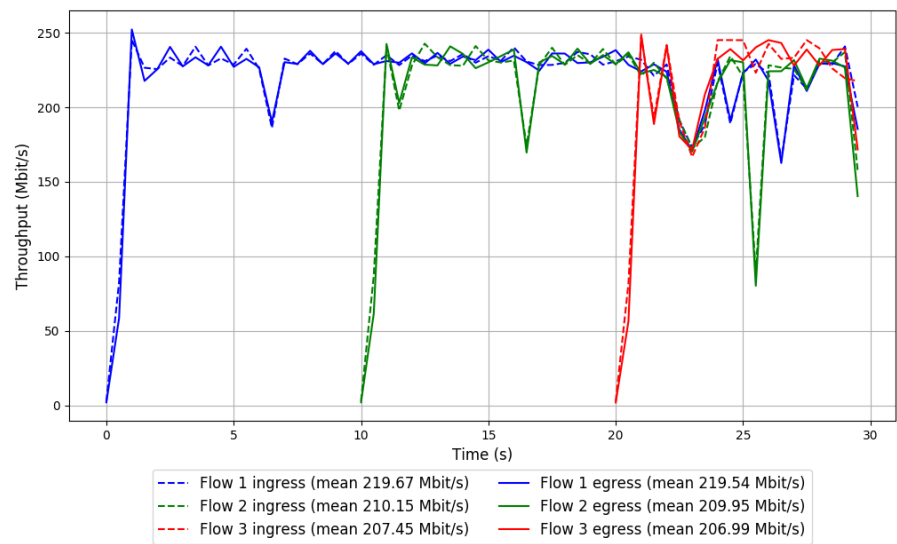
-- Flow 3:

Average throughput: 206.99 Mbit/s

95th percentile per-packet one-way delay: 99.671 ms

Loss rate: 1.23%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-12-01 03:31:37

End at: 2017-12-01 03:32:07

Below is generated by plot.py at 2017-12-01 06:36:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 426.45 Mbit/s

95th percentile per-packet one-way delay: 56.893 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 216.65 Mbit/s

95th percentile per-packet one-way delay: 54.837 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 211.74 Mbit/s

95th percentile per-packet one-way delay: 57.041 ms

Loss rate: 0.57%

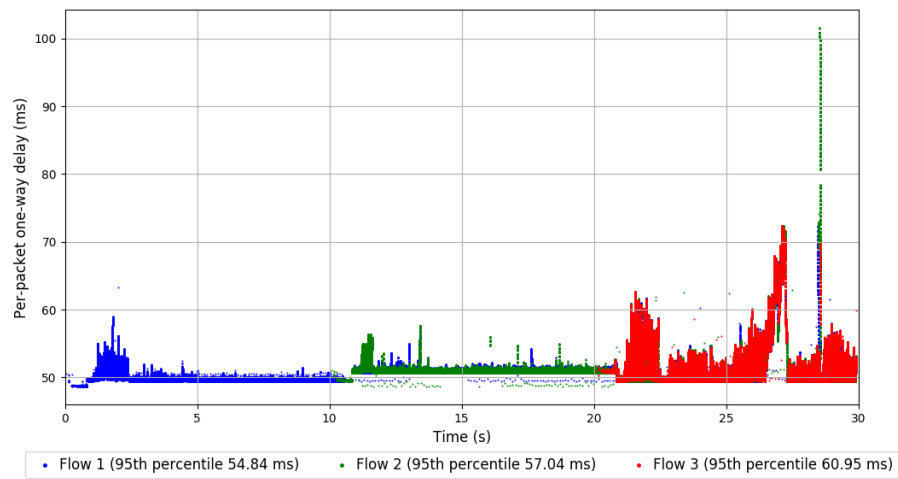
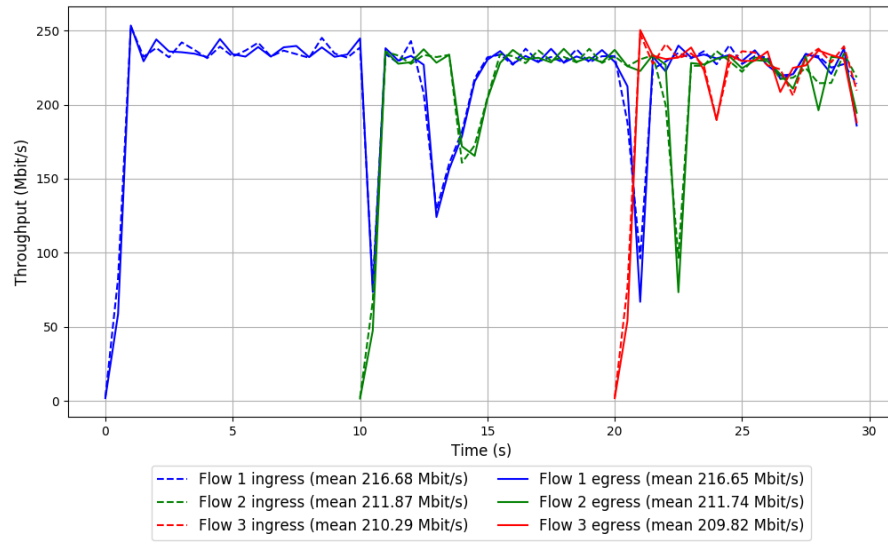
-- Flow 3:

Average throughput: 209.82 Mbit/s

95th percentile per-packet one-way delay: 60.954 ms

Loss rate: 1.18%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2017-12-01 03:44:05

End at: 2017-12-01 03:44:35

Below is generated by plot.py at 2017-12-01 06:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 429.83 Mbit/s

95th percentile per-packet one-way delay: 55.693 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 218.41 Mbit/s

95th percentile per-packet one-way delay: 55.086 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 214.28 Mbit/s

95th percentile per-packet one-way delay: 55.405 ms

Loss rate: 0.56%

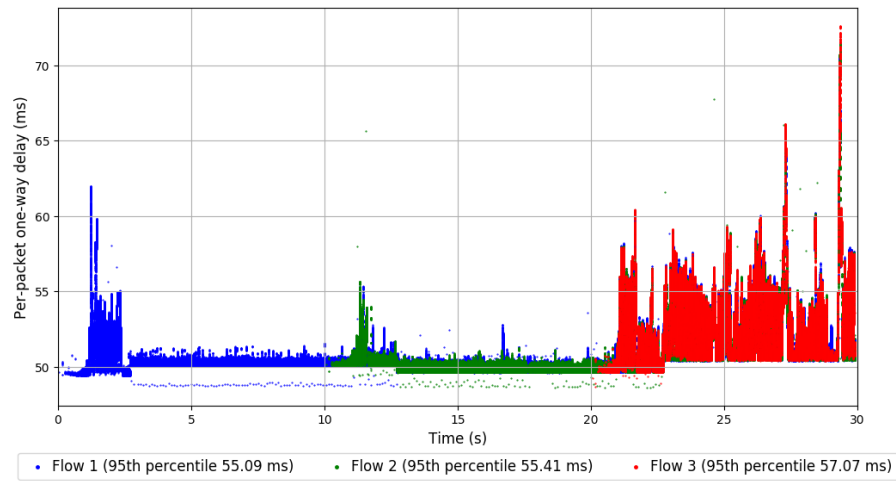
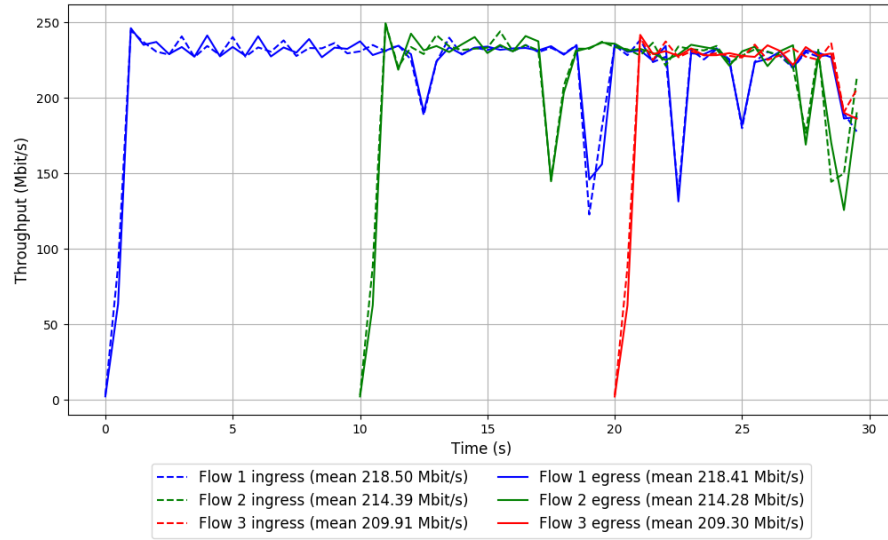
-- Flow 3:

Average throughput: 209.30 Mbit/s

95th percentile per-packet one-way delay: 57.073 ms

Loss rate: 1.12%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-12-01 03:56:43

End at: 2017-12-01 03:57:13

Below is generated by plot.py at 2017-12-01 06:43:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 411.43 Mbit/s

95th percentile per-packet one-way delay: 61.623 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 207.35 Mbit/s

95th percentile per-packet one-way delay: 59.642 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 205.93 Mbit/s

95th percentile per-packet one-way delay: 61.315 ms

Loss rate: 0.57%

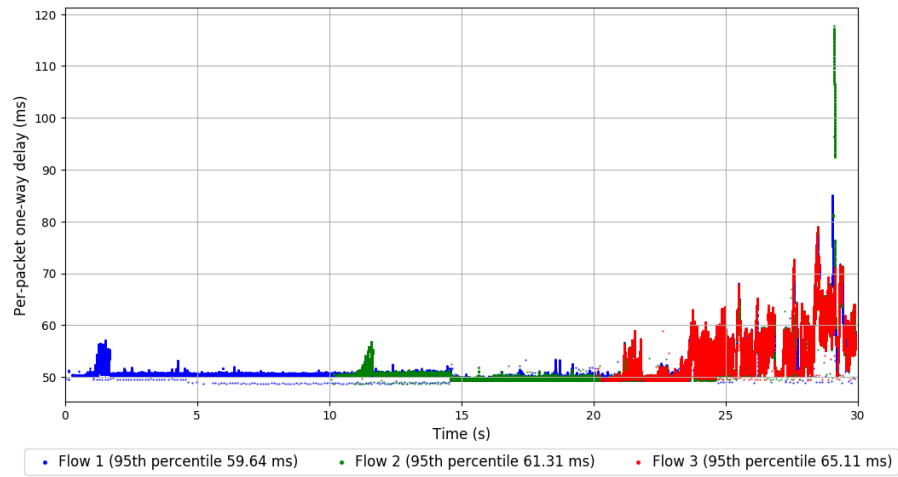
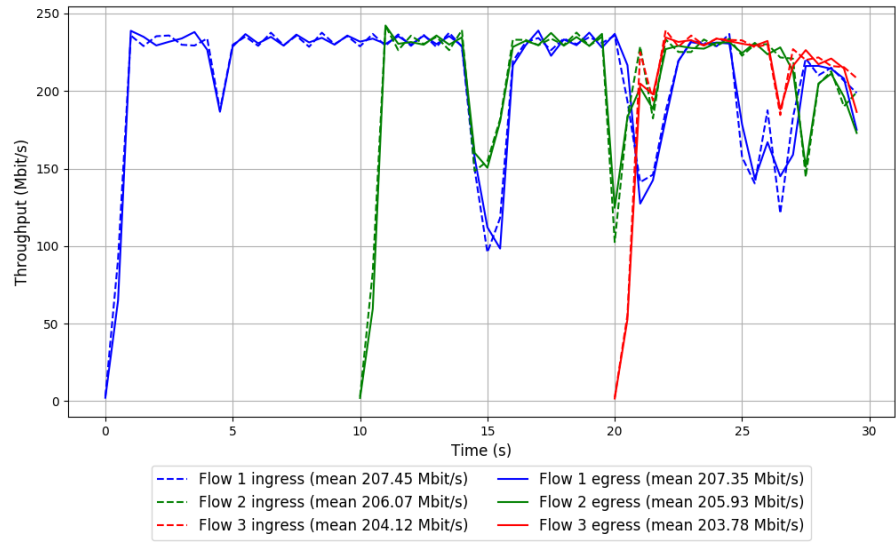
-- Flow 3:

Average throughput: 203.78 Mbit/s

95th percentile per-packet one-way delay: 65.113 ms

Loss rate: 1.17%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-12-01 04:09:24

End at: 2017-12-01 04:09:54

Below is generated by plot.py at 2017-12-01 06:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 423.59 Mbit/s

95th percentile per-packet one-way delay: 56.992 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 220.35 Mbit/s

95th percentile per-packet one-way delay: 55.114 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 214.40 Mbit/s

95th percentile per-packet one-way delay: 56.930 ms

Loss rate: 0.58%

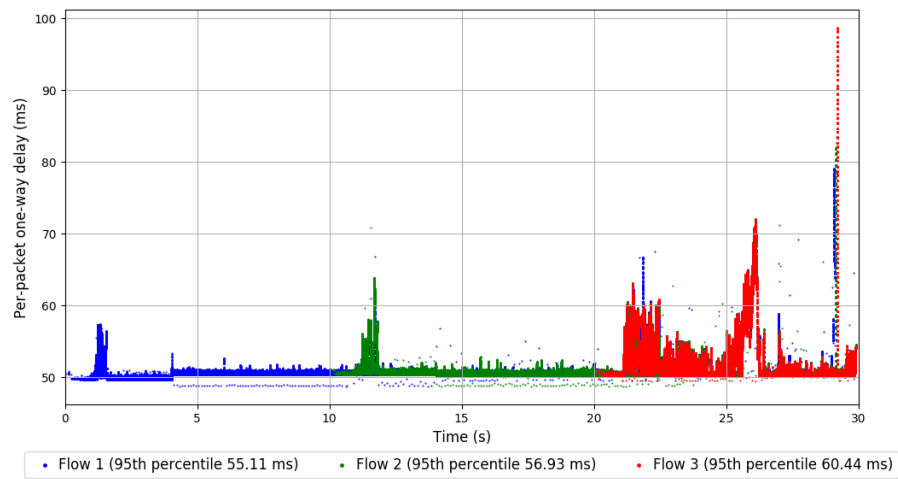
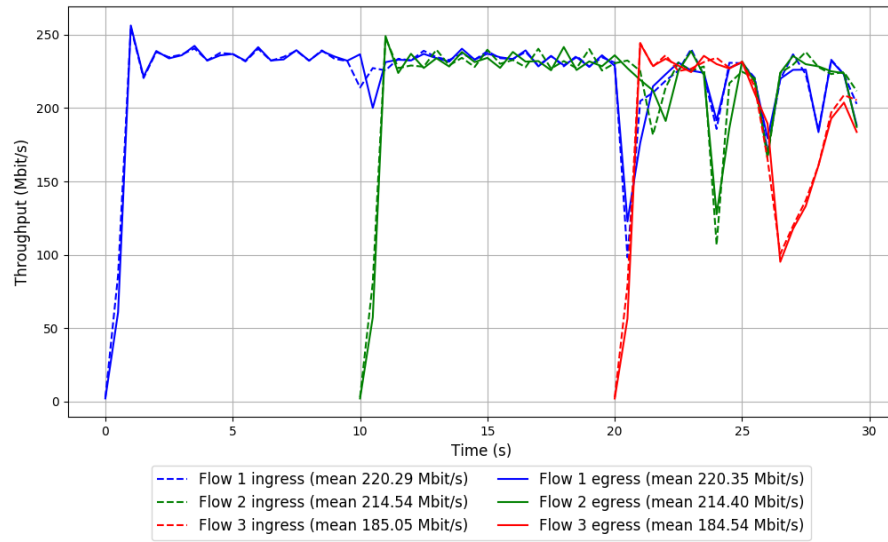
-- Flow 3:

Average throughput: 184.54 Mbit/s

95th percentile per-packet one-way delay: 60.439 ms

Loss rate: 1.30%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-12-01 02:22:14

End at: 2017-12-01 02:22:44

Below is generated by plot.py at 2017-12-01 06:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.12 Mbit/s

95th percentile per-packet one-way delay: 56.945 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 115.44 Mbit/s

95th percentile per-packet one-way delay: 55.896 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 121.91 Mbit/s

95th percentile per-packet one-way delay: 57.759 ms

Loss rate: 0.37%

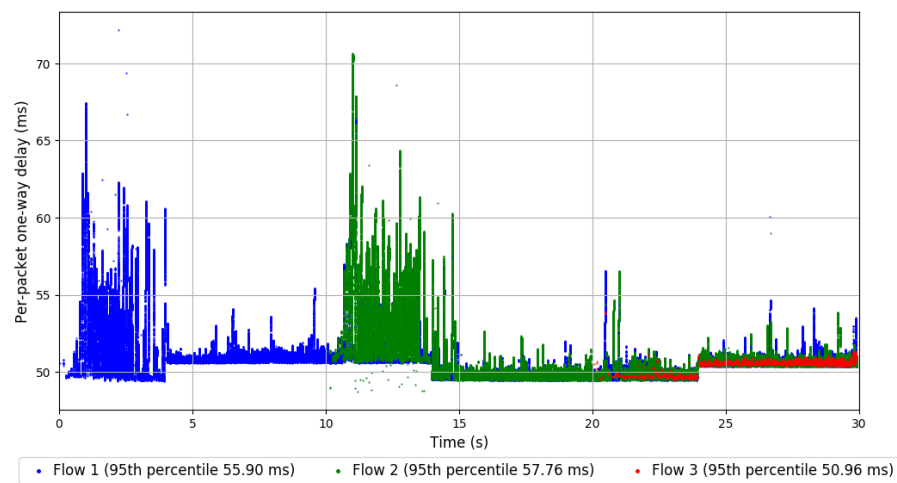
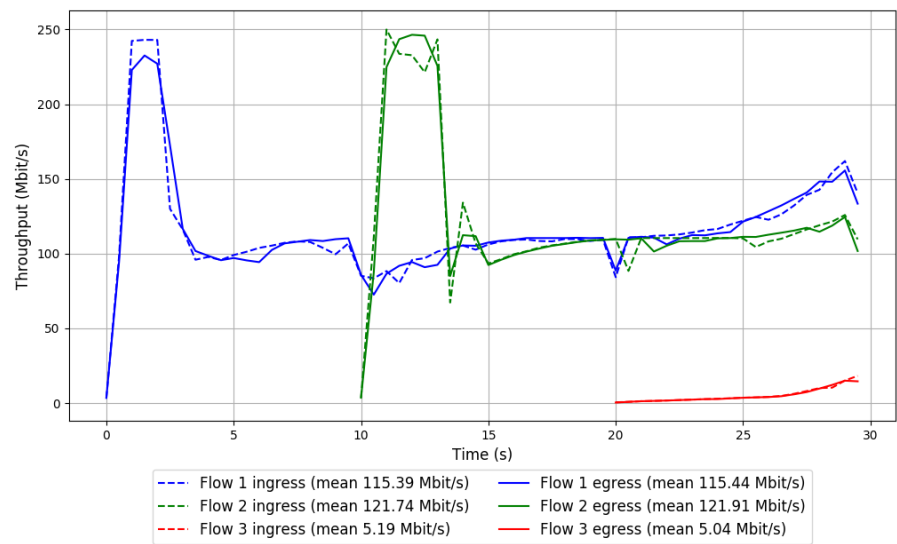
-- Flow 3:

Average throughput: 5.04 Mbit/s

95th percentile per-packet one-way delay: 50.956 ms

Loss rate: 4.04%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2017-12-01 02:34:52

End at: 2017-12-01 02:35:22

Below is generated by plot.py at 2017-12-01 06:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.76 Mbit/s

95th percentile per-packet one-way delay: 55.603 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 127.40 Mbit/s

95th percentile per-packet one-way delay: 56.197 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 114.18 Mbit/s

95th percentile per-packet one-way delay: 54.339 ms

Loss rate: 0.69%

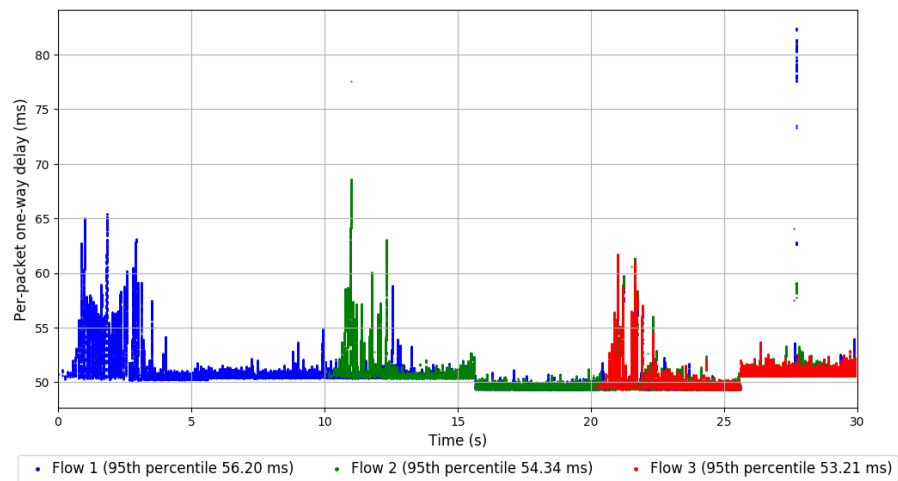
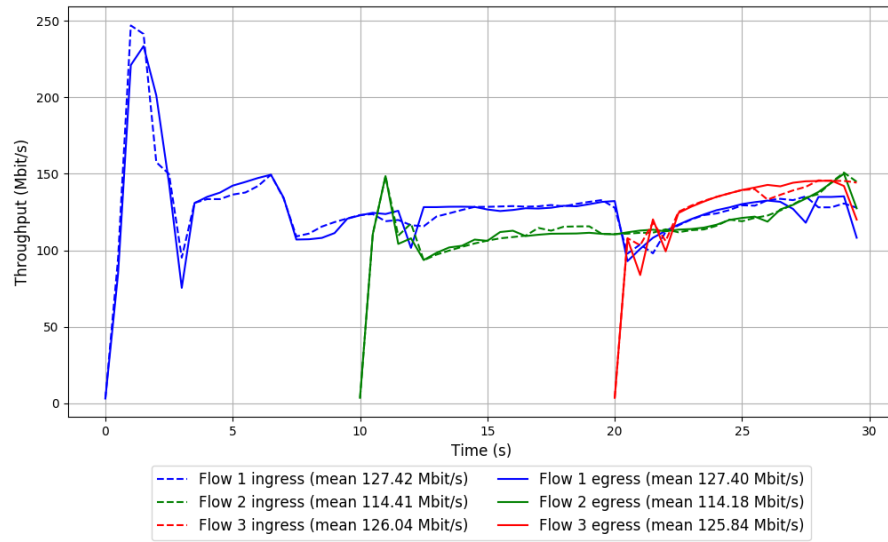
-- Flow 3:

Average throughput: 125.84 Mbit/s

95th percentile per-packet one-way delay: 53.209 ms

Loss rate: 1.16%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-12-01 02:47:27

End at: 2017-12-01 02:47:57

Below is generated by plot.py at 2017-12-01 06:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.86 Mbit/s

95th percentile per-packet one-way delay: 57.137 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 148.96 Mbit/s

95th percentile per-packet one-way delay: 56.646 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 138.46 Mbit/s

95th percentile per-packet one-way delay: 55.421 ms

Loss rate: 0.62%

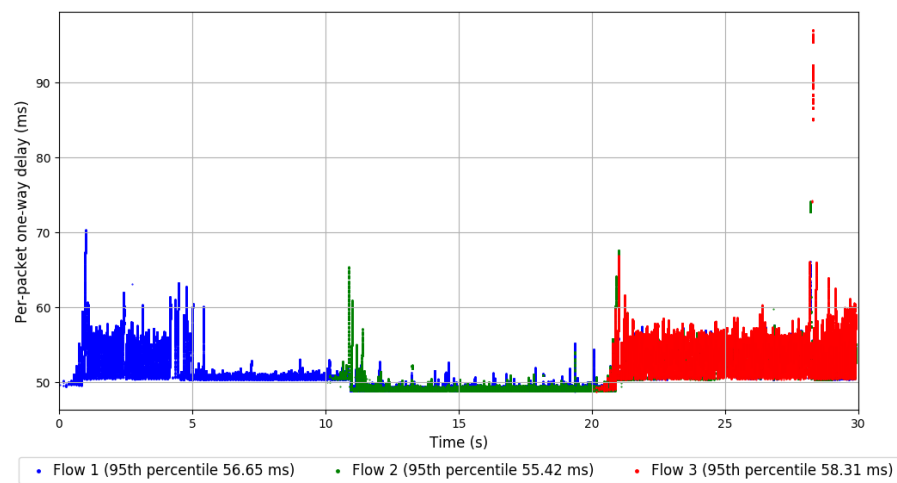
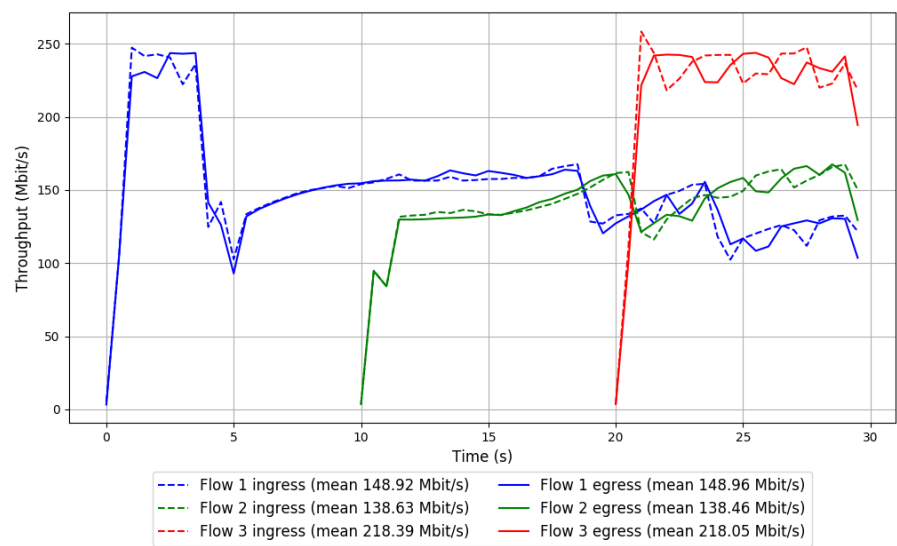
-- Flow 3:

Average throughput: 218.05 Mbit/s

95th percentile per-packet one-way delay: 58.311 ms

Loss rate: 1.11%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-12-01 03:00:10

End at: 2017-12-01 03:00:40

Below is generated by plot.py at 2017-12-01 06:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.48 Mbit/s

95th percentile per-packet one-way delay: 56.387 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 117.84 Mbit/s

95th percentile per-packet one-way delay: 55.773 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 102.19 Mbit/s

95th percentile per-packet one-way delay: 57.283 ms

Loss rate: 0.50%

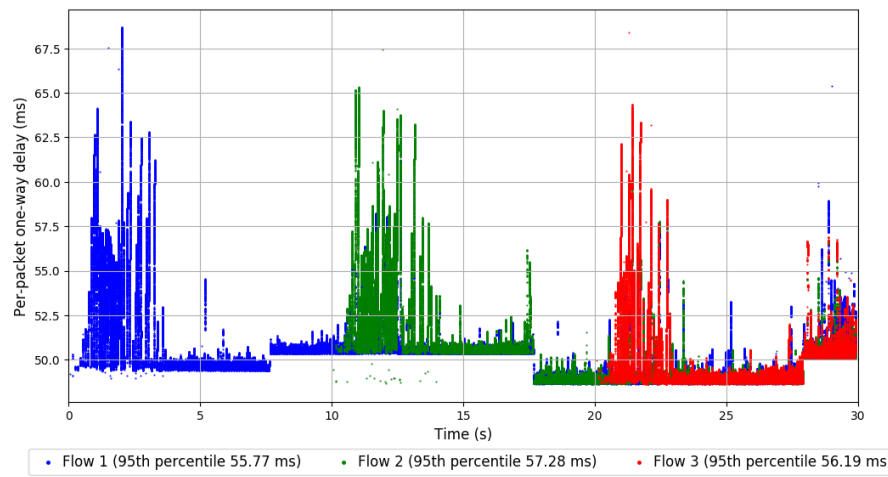
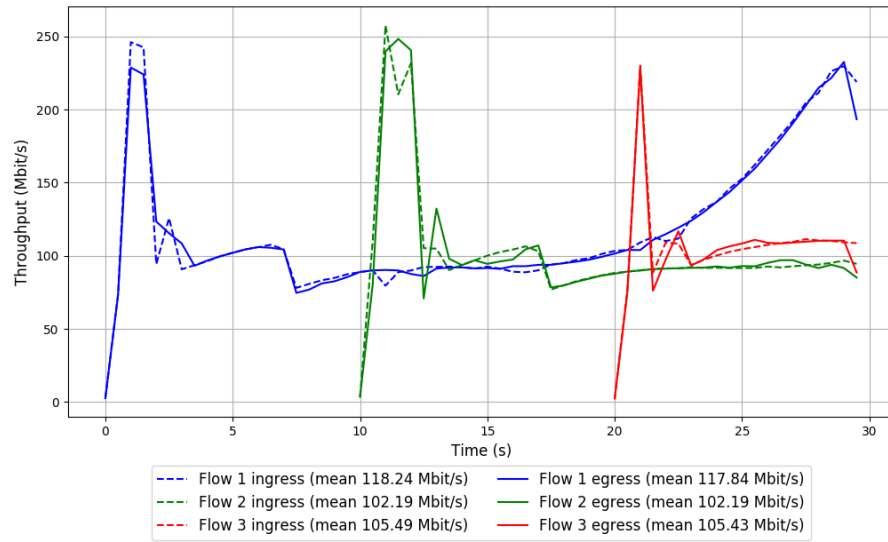
-- Flow 3:

Average throughput: 105.43 Mbit/s

95th percentile per-packet one-way delay: 56.189 ms

Loss rate: 1.05%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-12-01 03:12:47

End at: 2017-12-01 03:13:17

Below is generated by plot.py at 2017-12-01 06:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.04 Mbit/s

95th percentile per-packet one-way delay: 54.661 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 112.53 Mbit/s

95th percentile per-packet one-way delay: 56.207 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 162.39 Mbit/s

95th percentile per-packet one-way delay: 52.180 ms

Loss rate: 0.61%

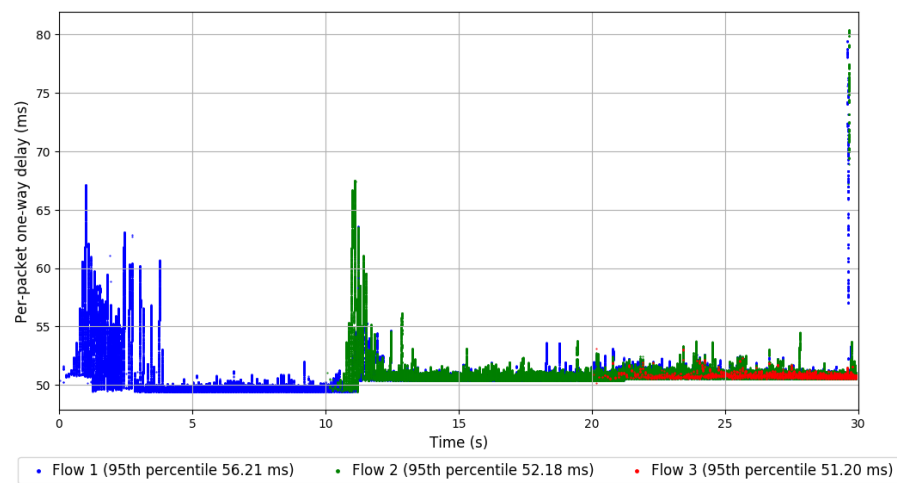
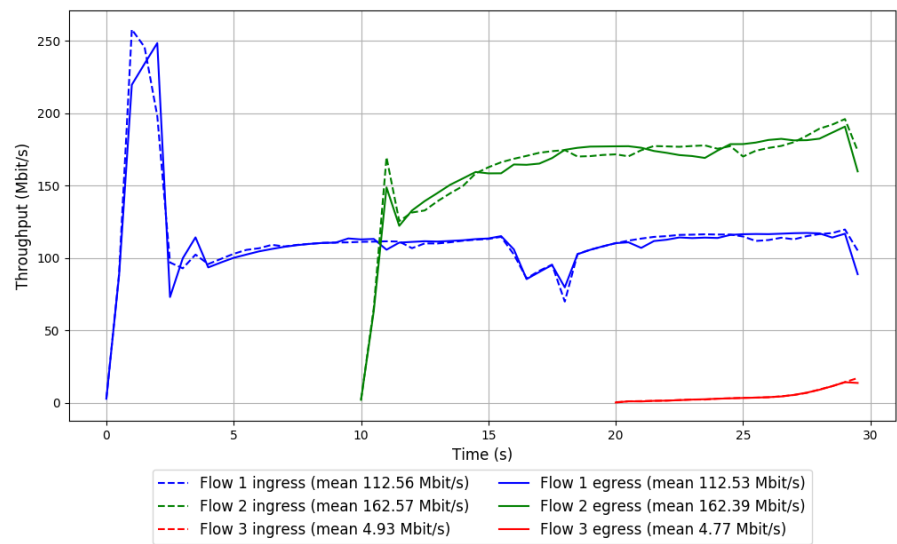
-- Flow 3:

Average throughput: 4.77 Mbit/s

95th percentile per-packet one-way delay: 51.204 ms

Loss rate: 4.10%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-12-01 03:25:17

End at: 2017-12-01 03:25:47

Below is generated by plot.py at 2017-12-01 06:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.09 Mbit/s

95th percentile per-packet one-way delay: 57.455 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 149.25 Mbit/s

95th percentile per-packet one-way delay: 56.869 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 99.54 Mbit/s

95th percentile per-packet one-way delay: 56.870 ms

Loss rate: 0.50%

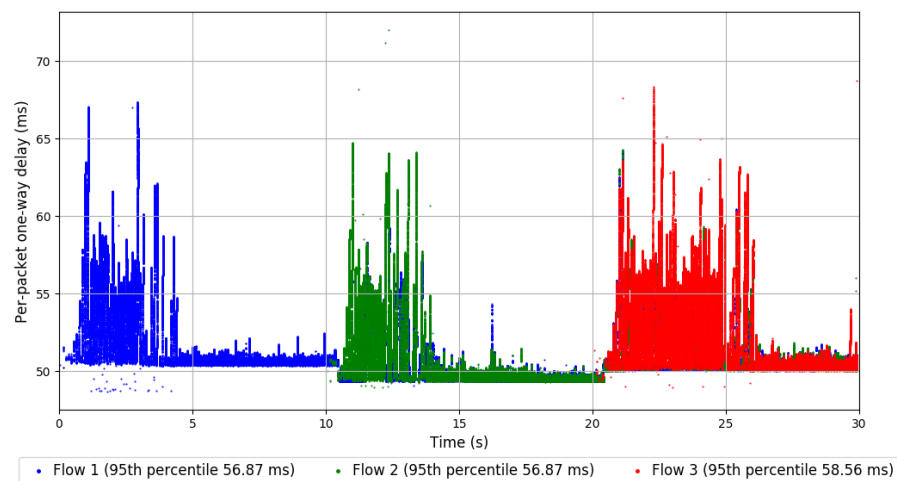
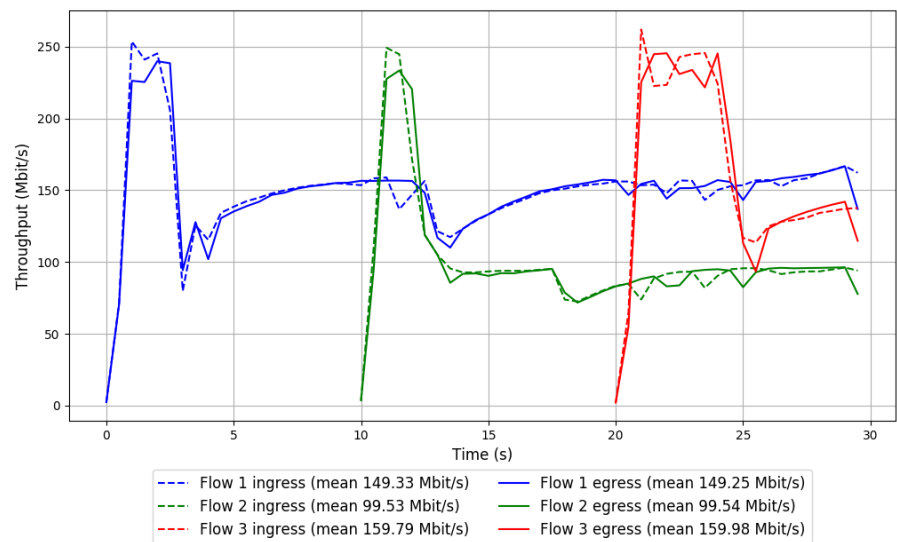
-- Flow 3:

Average throughput: 159.98 Mbit/s

95th percentile per-packet one-way delay: 58.564 ms

Loss rate: 0.91%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-12-01 03:37:48

End at: 2017-12-01 03:38:18

Below is generated by plot.py at 2017-12-01 06:43:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.02 Mbit/s

95th percentile per-packet one-way delay: 58.221 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 133.59 Mbit/s

95th percentile per-packet one-way delay: 57.791 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 87.25 Mbit/s

95th percentile per-packet one-way delay: 57.304 ms

Loss rate: 0.50%

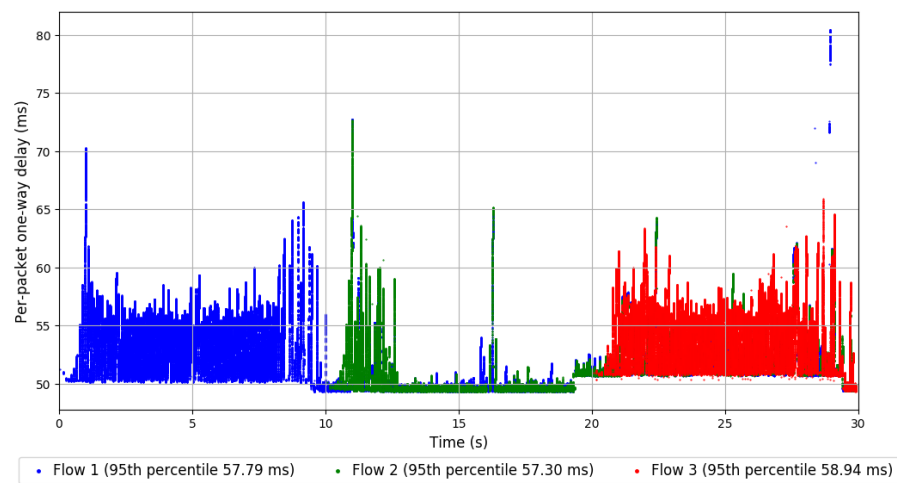
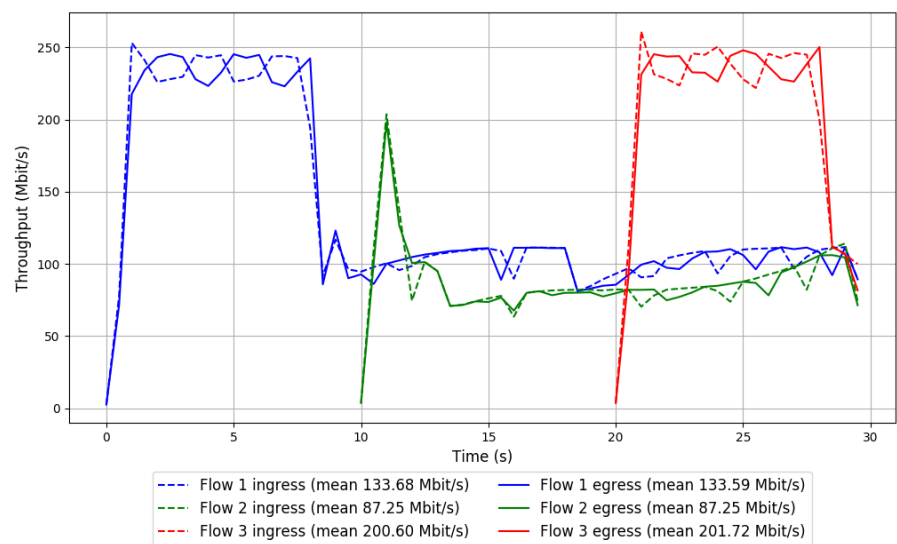
-- Flow 3:

Average throughput: 201.72 Mbit/s

95th percentile per-packet one-way delay: 58.936 ms

Loss rate: 0.46%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-12-01 03:50:17

End at: 2017-12-01 03:50:47

Below is generated by plot.py at 2017-12-01 06:43:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 218.38 Mbit/s

95th percentile per-packet one-way delay: 51.707 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 117.35 Mbit/s

95th percentile per-packet one-way delay: 51.507 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 103.08 Mbit/s

95th percentile per-packet one-way delay: 51.809 ms

Loss rate: 0.58%

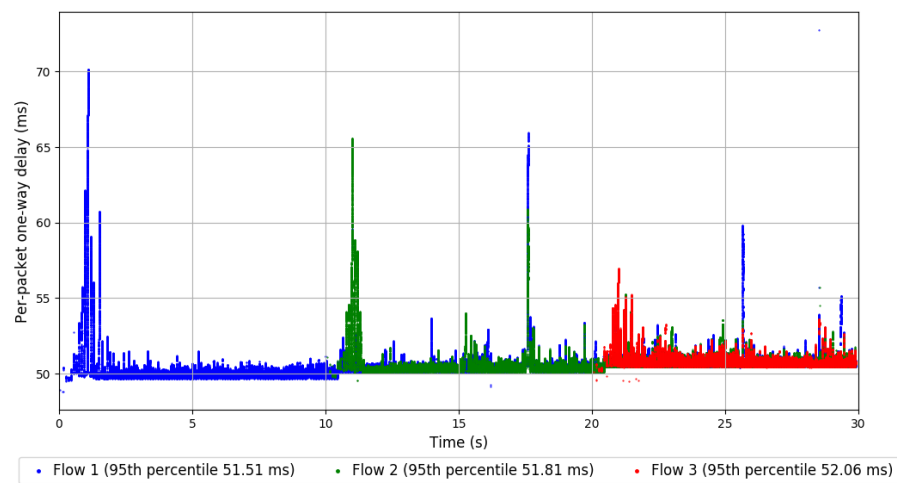
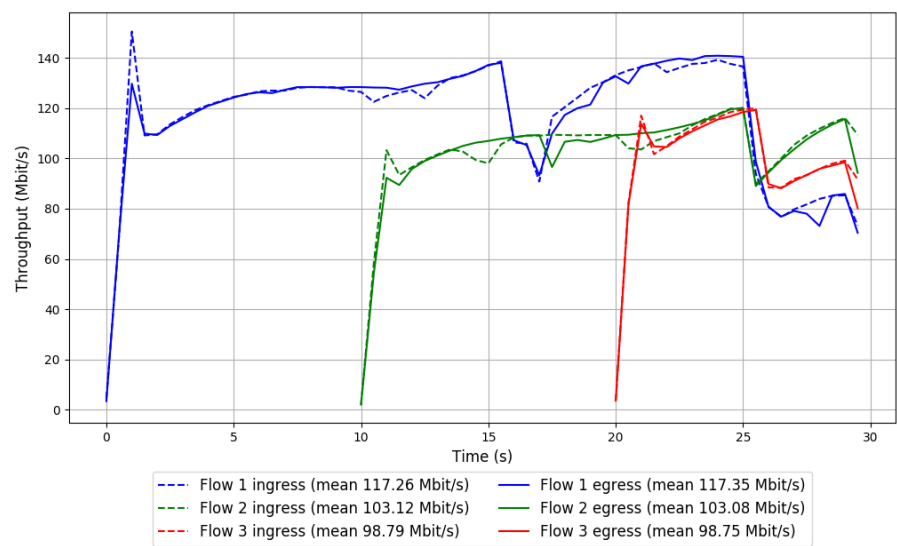
-- Flow 3:

Average throughput: 98.75 Mbit/s

95th percentile per-packet one-way delay: 52.060 ms

Loss rate: 1.04%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2017-12-01 04:02:58

End at: 2017-12-01 04:03:28

Below is generated by plot.py at 2017-12-01 06:43:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.24 Mbit/s

95th percentile per-packet one-way delay: 52.323 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 110.02 Mbit/s

95th percentile per-packet one-way delay: 52.086 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 111.00 Mbit/s

95th percentile per-packet one-way delay: 52.729 ms

Loss rate: 0.71%

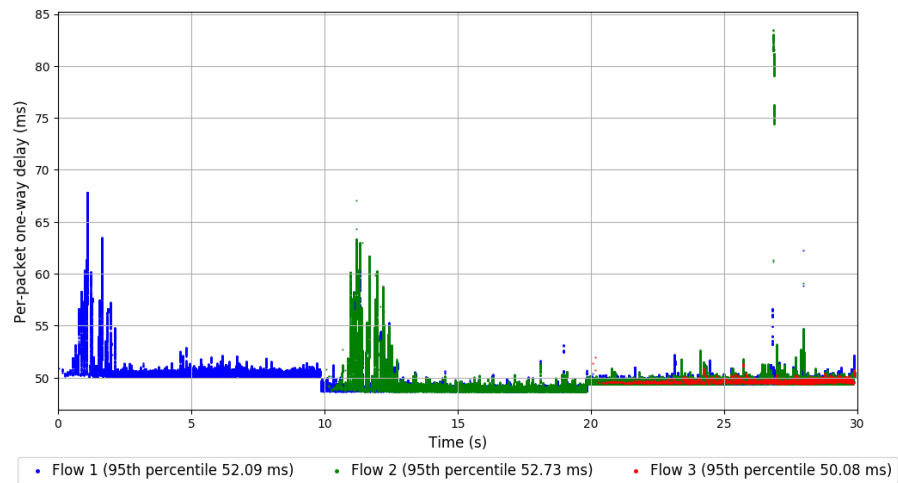
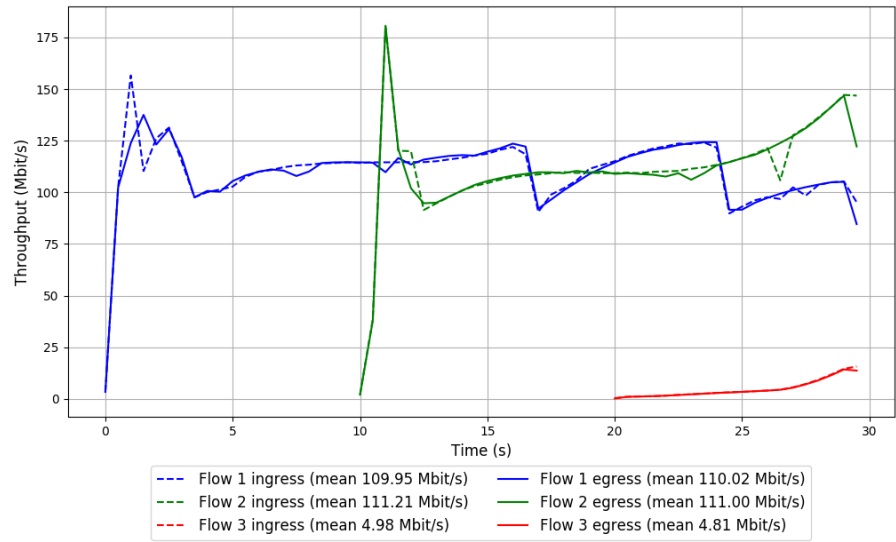
-- Flow 3:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 50.082 ms

Loss rate: 4.04%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-12-01 04:15:36

End at: 2017-12-01 04:16:06

Below is generated by plot.py at 2017-12-01 06:43:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.65 Mbit/s

95th percentile per-packet one-way delay: 55.354 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 114.17 Mbit/s

95th percentile per-packet one-way delay: 56.423 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 52.562 ms

Loss rate: 0.47%

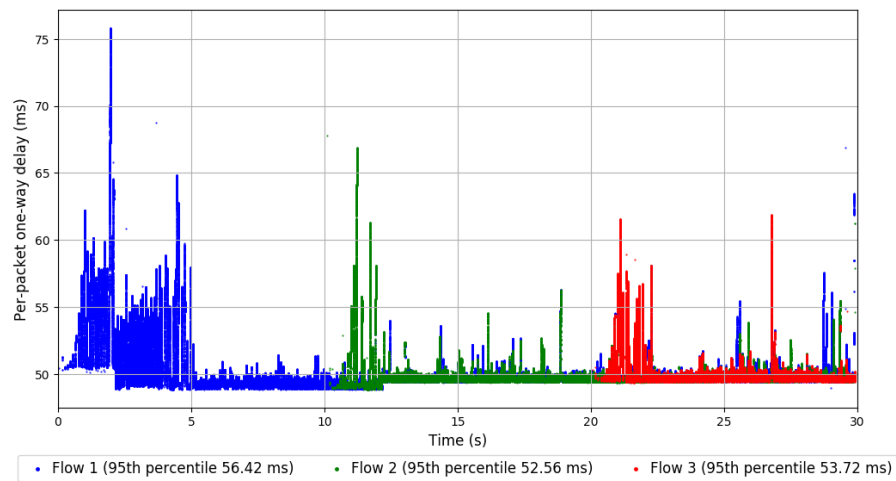
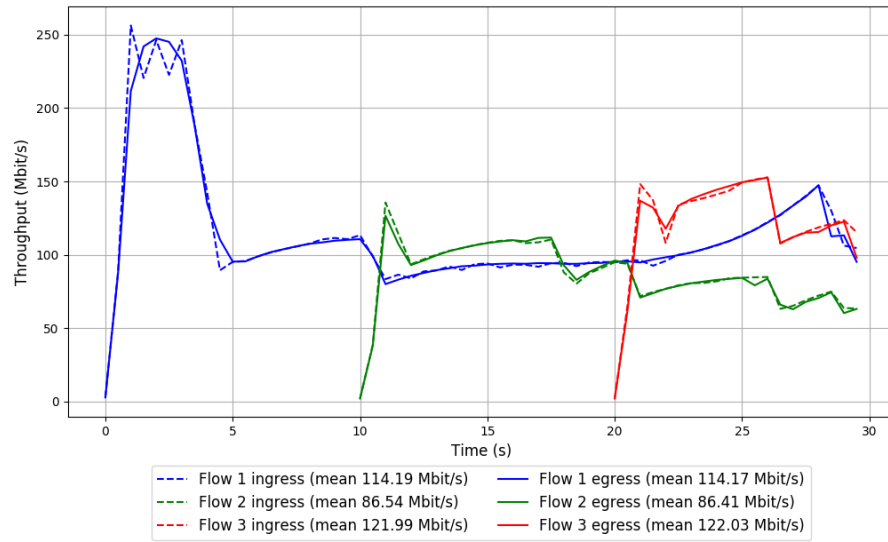
-- Flow 3:

Average throughput: 122.03 Mbit/s

95th percentile per-packet one-way delay: 53.721 ms

Loss rate: 0.97%

Run 10: Report of TCP Cubic — Data Link

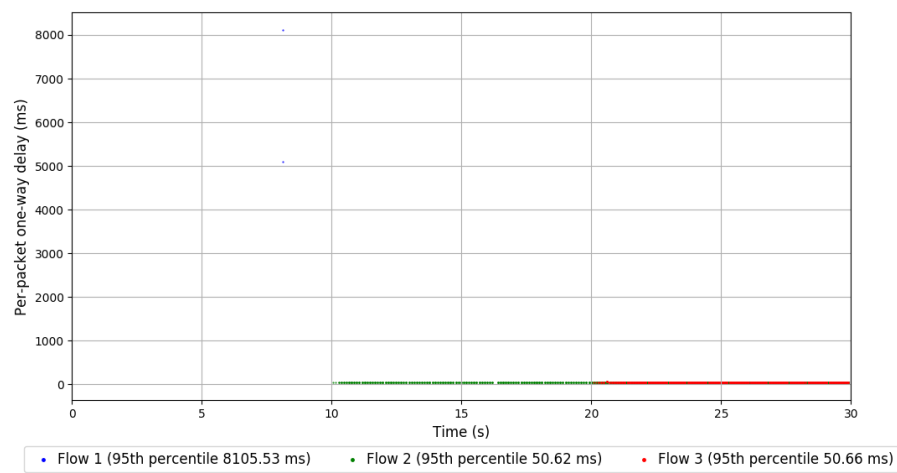
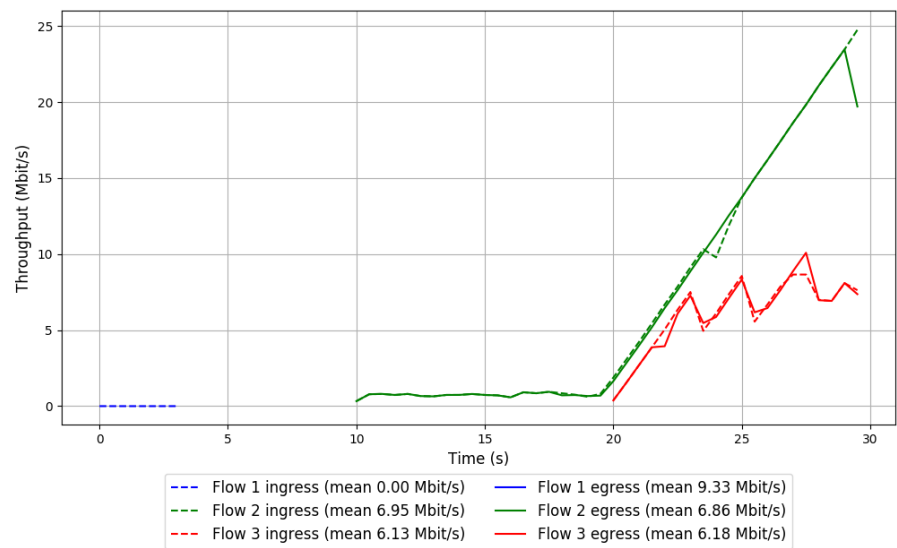


Run 1: Statistics of LEDBAT

Start at: 2017-12-01 02:26:48

End at: 2017-12-01 02:27:18

Run 1: Report of LEDBAT — Data Link

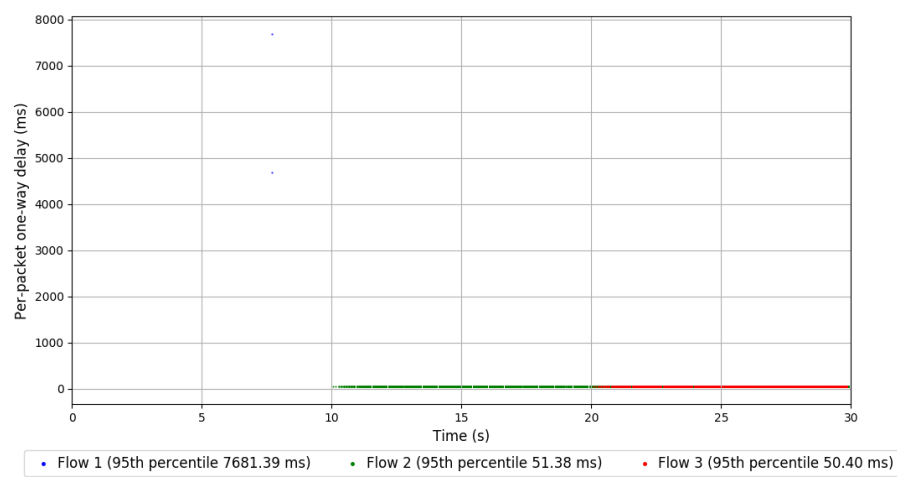
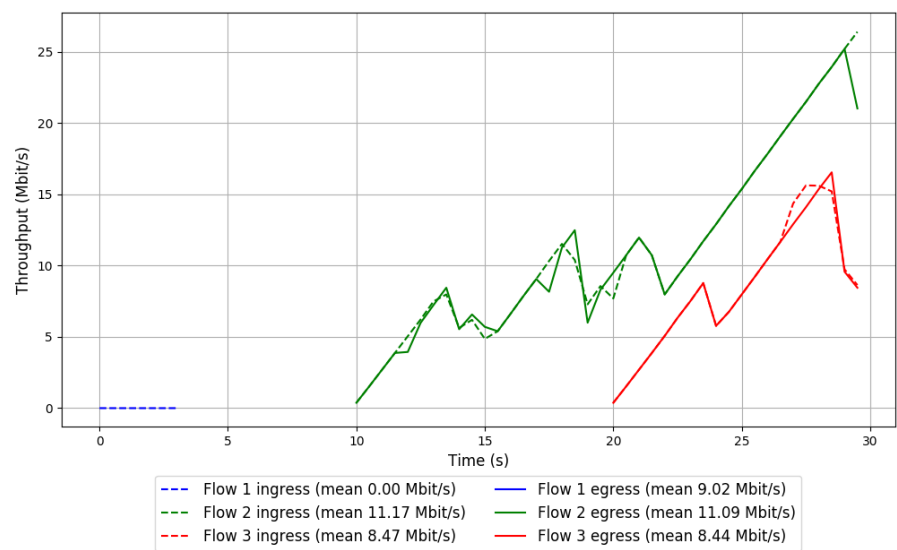


Run 2: Statistics of LEDBAT

Start at: 2017-12-01 02:39:26

End at: 2017-12-01 02:39:56

Run 2: Report of LEDBAT — Data Link

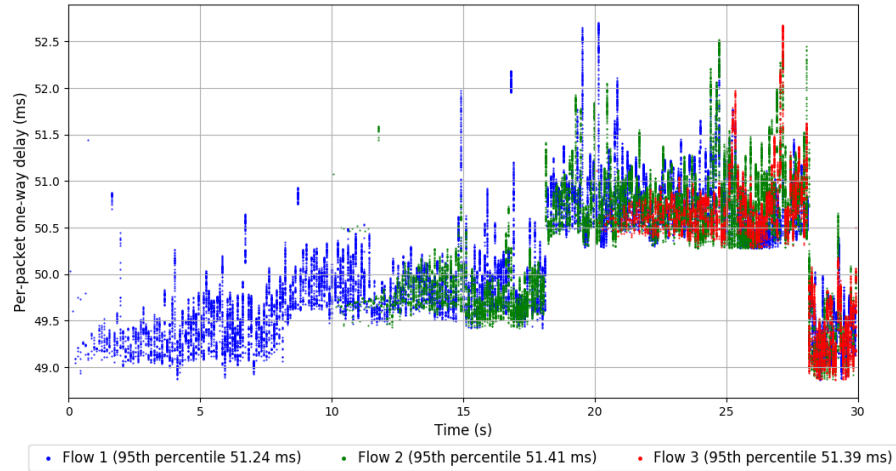
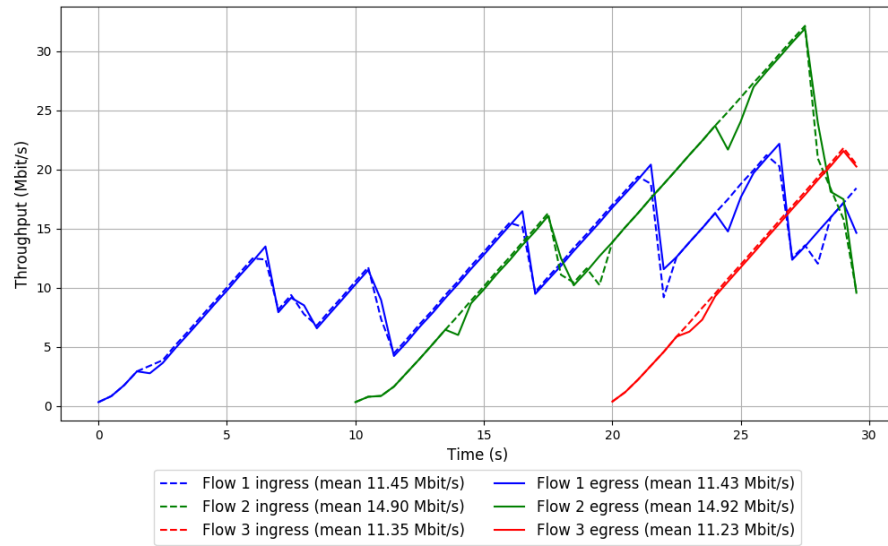


```
Run 3: Statistics of LEDBAT

Start at: 2017-12-01 02:52:10
End at: 2017-12-01 02:52:40

# Below is generated by plot.py at 2017-12-01 06:43:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 51.333 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 51.239 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 14.92 Mbit/s
95th percentile per-packet one-way delay: 51.412 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 51.386 ms
Loss rate: 2.06%
```

Run 3: Report of LEDBAT — Data Link

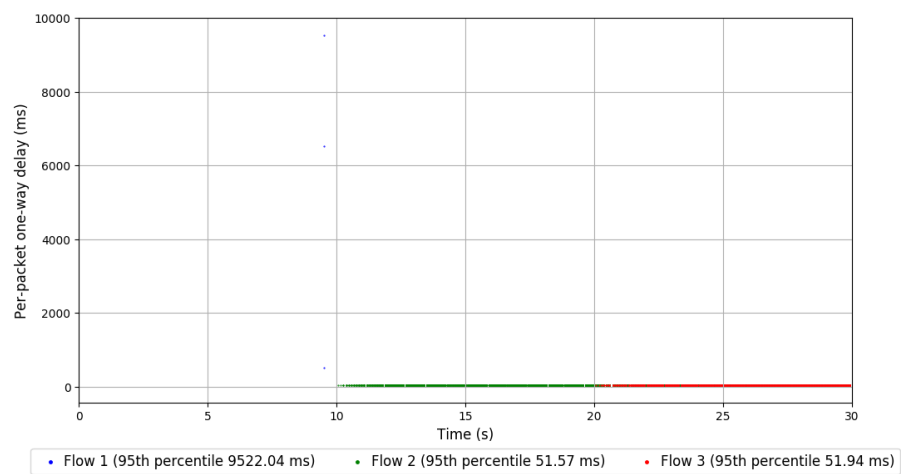
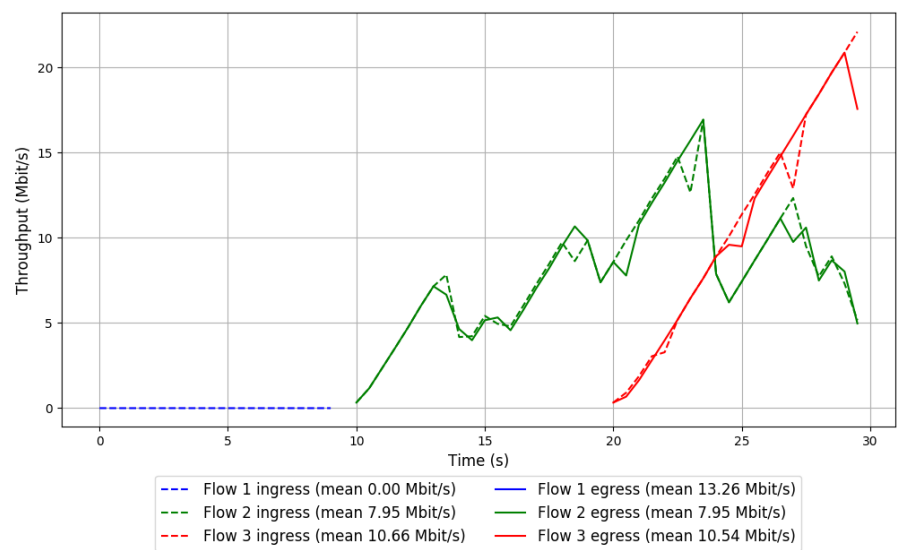


Run 4: Statistics of LEDBAT

Start at: 2017-12-01 03:04:44

End at: 2017-12-01 03:05:14

Run 4: Report of LEDBAT — Data Link

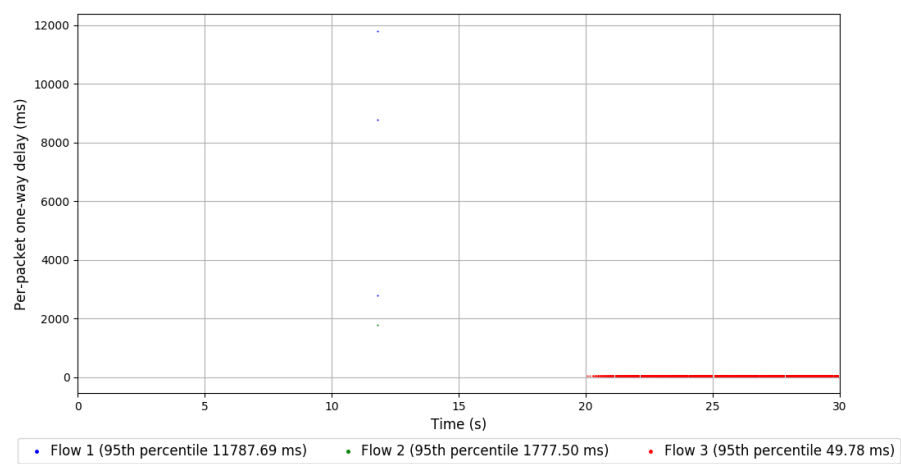
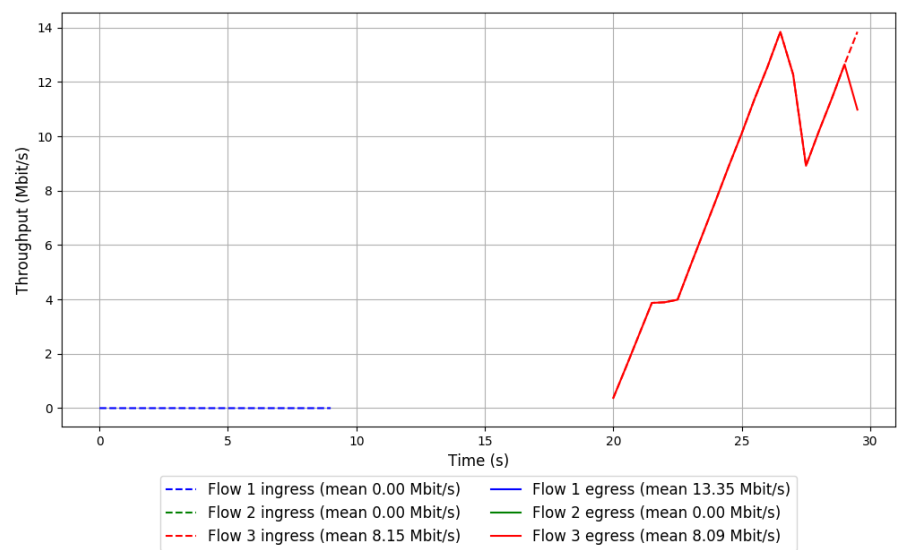


Run 5: Statistics of LEDBAT

Start at: 2017-12-01 03:17:17

End at: 2017-12-01 03:17:47

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-12-01 03:29:54

End at: 2017-12-01 03:30:24

Below is generated by plot.py at 2017-12-01 06:43:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 51.078 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2744.920 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.41 Mbit/s

95th percentile per-packet one-way delay: 51.168 ms

Loss rate: 0.90%

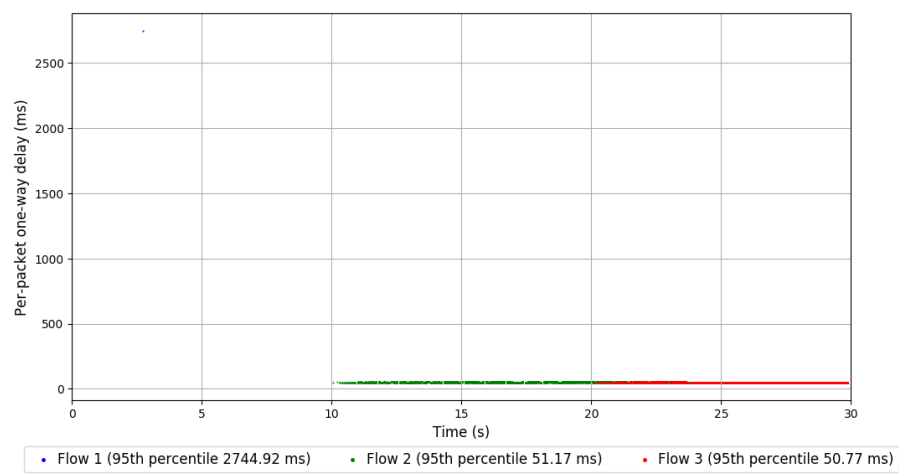
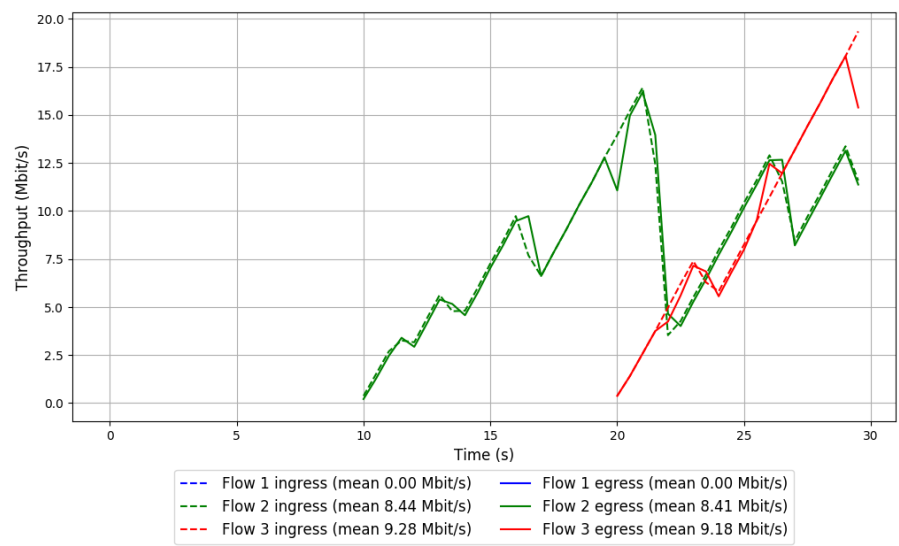
-- Flow 3:

Average throughput: 9.18 Mbit/s

95th percentile per-packet one-way delay: 50.768 ms

Loss rate: 2.16%

Run 6: Report of LEDBAT — Data Link

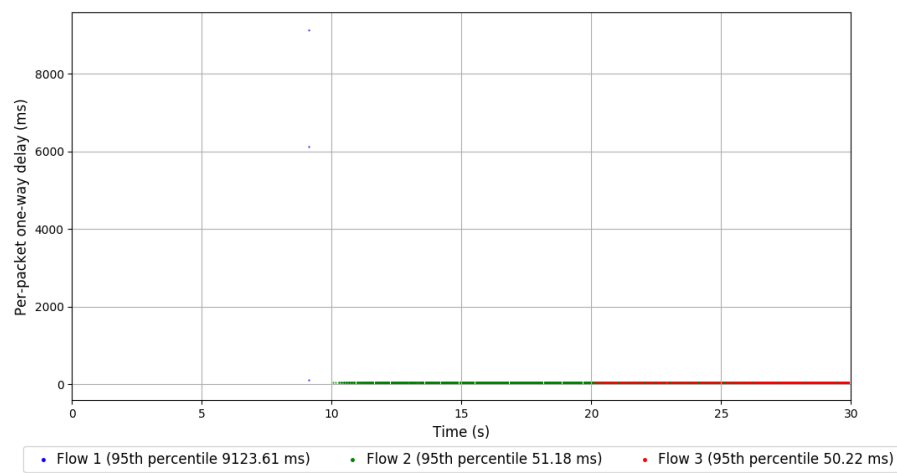
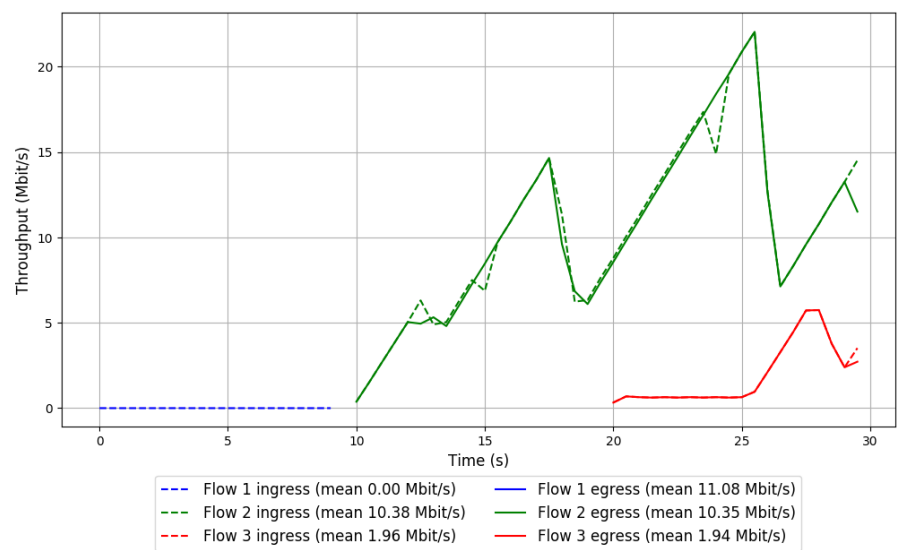


Run 7: Statistics of LEDBAT

Start at: 2017-12-01 03:42:19

End at: 2017-12-01 03:42:49

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-12-01 03:54:57

End at: 2017-12-01 03:55:27

Below is generated by plot.py at 2017-12-01 06:43:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.88 Mbit/s

95th percentile per-packet one-way delay: 50.895 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2902.856 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.94 Mbit/s

95th percentile per-packet one-way delay: 50.902 ms

Loss rate: 1.17%

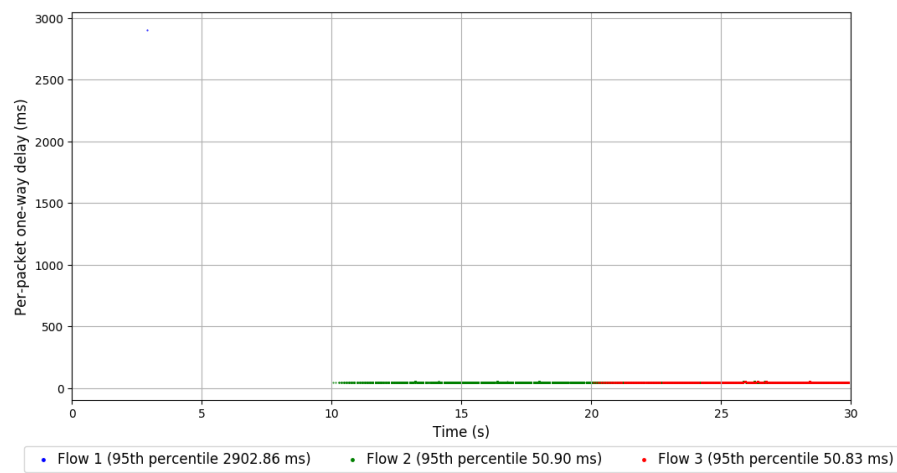
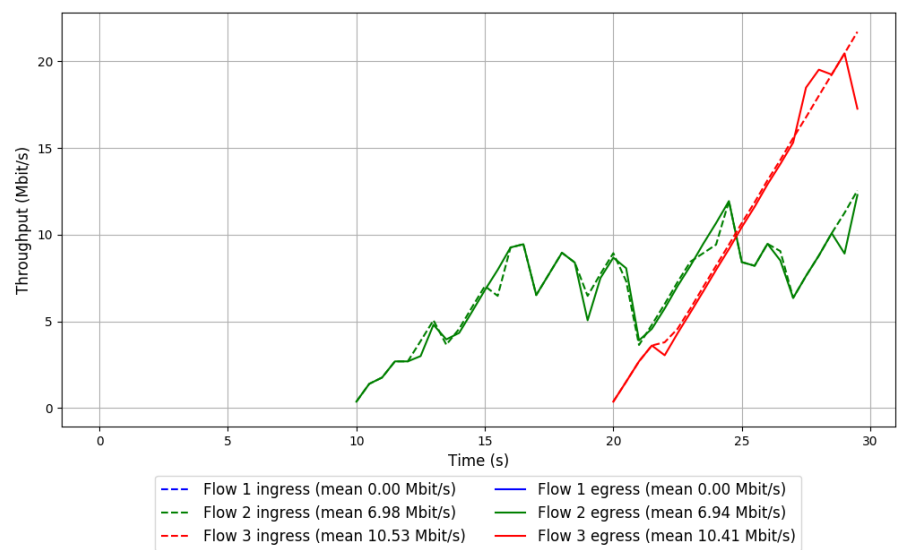
-- Flow 3:

Average throughput: 10.41 Mbit/s

95th percentile per-packet one-way delay: 50.825 ms

Loss rate: 2.12%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-12-01 04:07:38

End at: 2017-12-01 04:08:08

Below is generated by plot.py at 2017-12-01 06:43:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 51.268 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 51.131 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 20.93 Mbit/s

95th percentile per-packet one-way delay: 51.360 ms

Loss rate: 1.07%

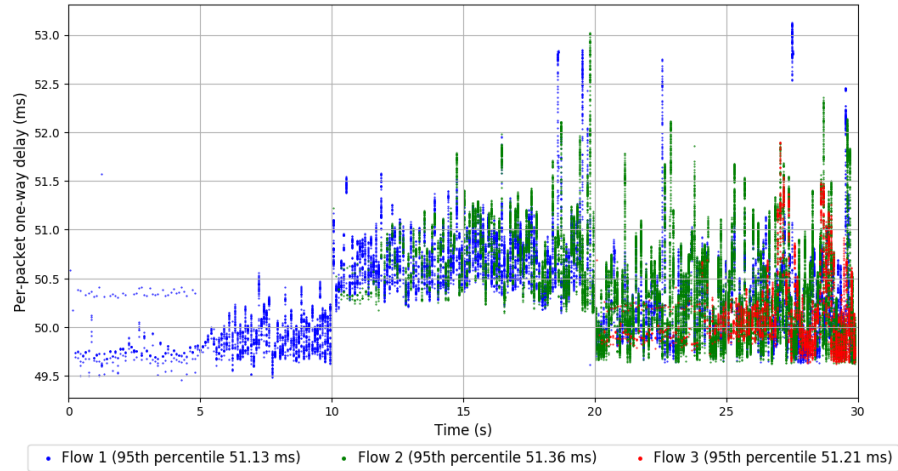
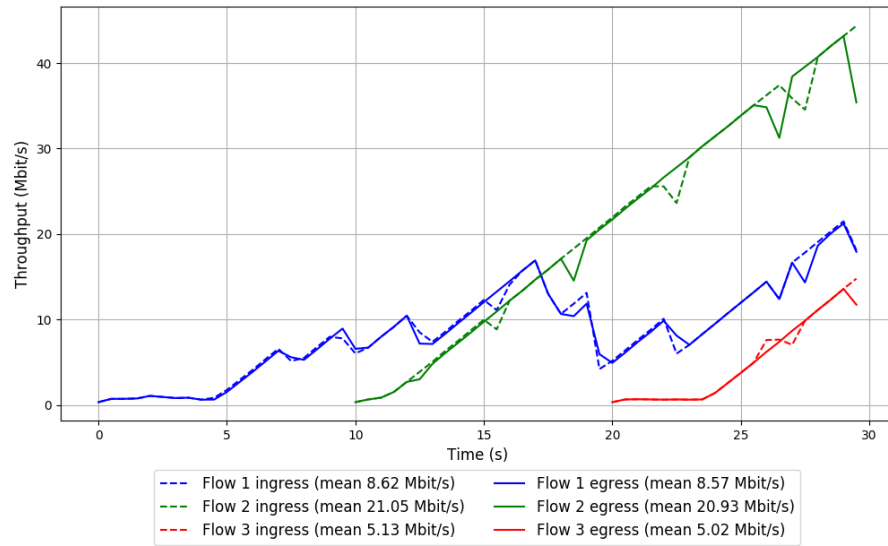
-- Flow 3:

Average throughput: 5.02 Mbit/s

95th percentile per-packet one-way delay: 51.210 ms

Loss rate: 3.01%

Run 9: Report of LEDBAT — Data Link

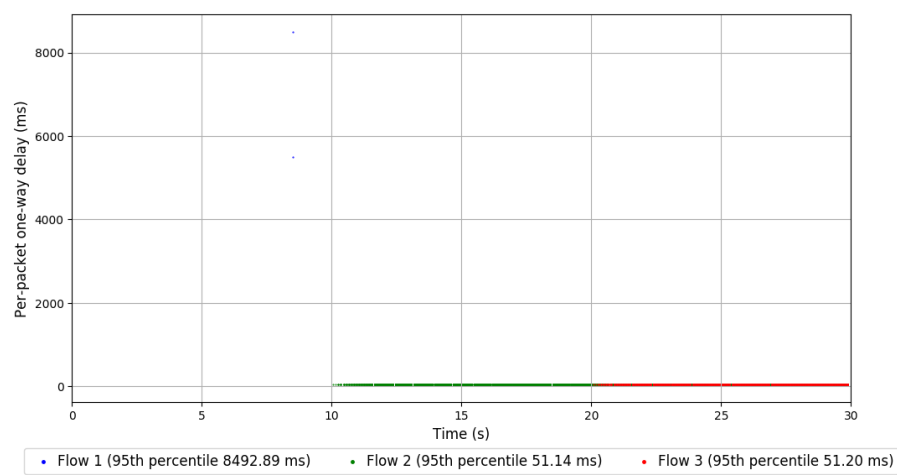
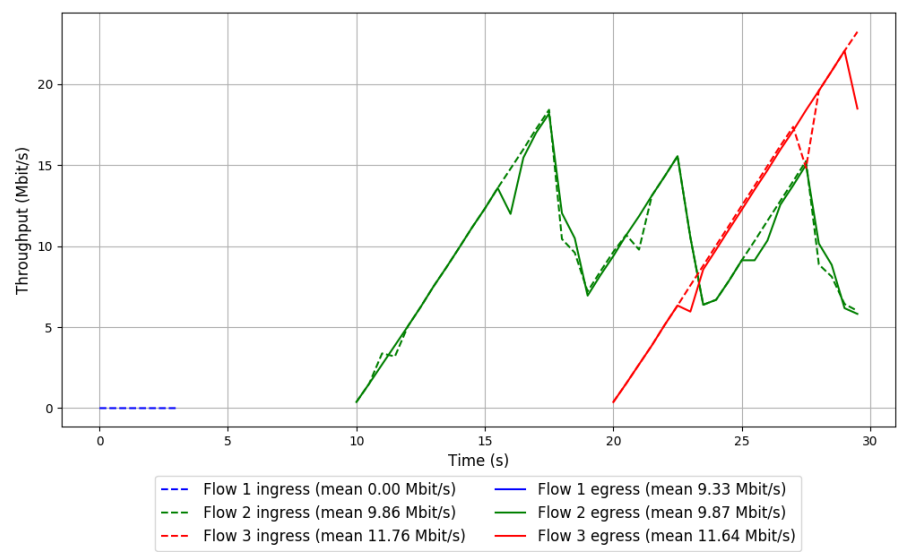


Run 10: Statistics of LEDBAT

Start at: 2017-12-01 04:20:09

End at: 2017-12-01 04:20:39

Run 10: Report of LEDBAT — Data Link

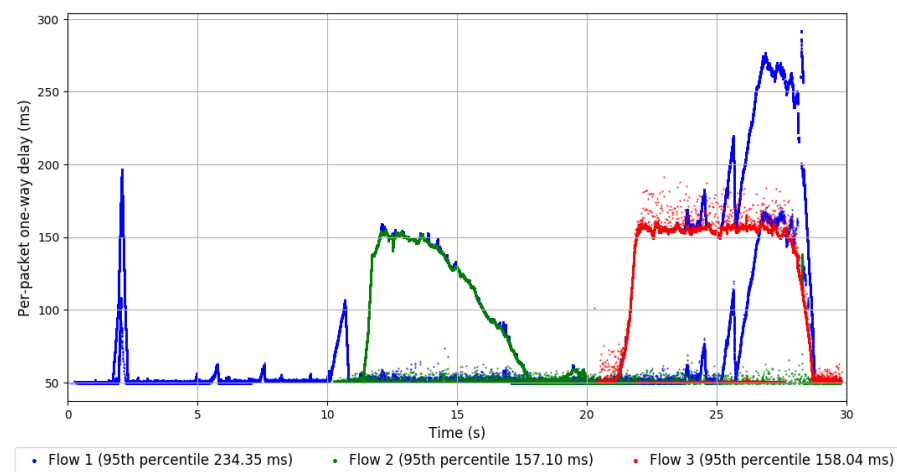
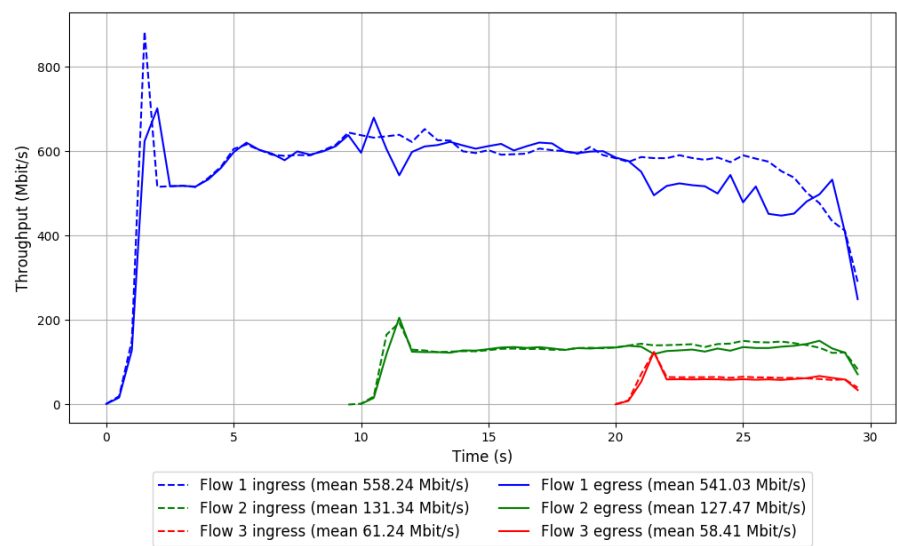


```
Run 1: Statistics of PCC

Start at: 2017-12-01 02:24:11
End at: 2017-12-01 02:24:41

# Below is generated by plot.py at 2017-12-01 06:53:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 644.55 Mbit/s
95th percentile per-packet one-way delay: 211.107 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 541.03 Mbit/s
95th percentile per-packet one-way delay: 234.349 ms
Loss rate: 3.41%
-- Flow 2:
Average throughput: 127.47 Mbit/s
95th percentile per-packet one-way delay: 157.099 ms
Loss rate: 3.40%
-- Flow 3:
Average throughput: 58.41 Mbit/s
95th percentile per-packet one-way delay: 158.036 ms
Loss rate: 5.65%
```

Run 1: Report of PCC — Data Link

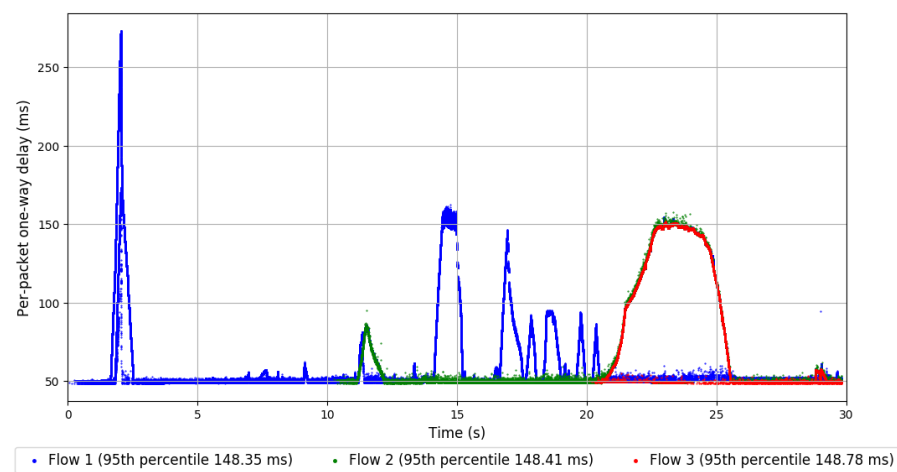
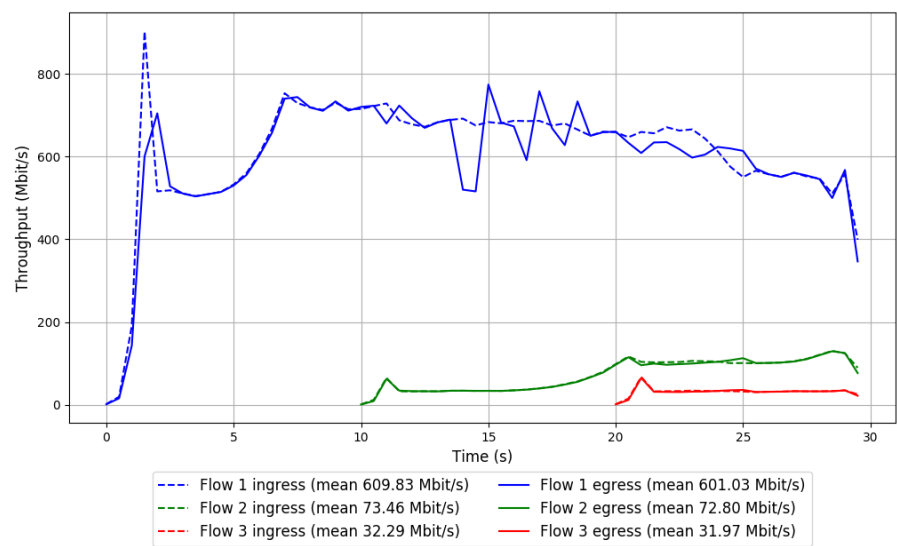


```
Run 2: Statistics of PCC

Start at: 2017-12-01 02:36:54
End at: 2017-12-01 02:37:24

# Below is generated by plot.py at 2017-12-01 06:53:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 659.77 Mbit/s
95th percentile per-packet one-way delay: 148.380 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 601.03 Mbit/s
95th percentile per-packet one-way delay: 148.354 ms
Loss rate: 1.77%
-- Flow 2:
Average throughput: 72.80 Mbit/s
95th percentile per-packet one-way delay: 148.415 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 148.781 ms
Loss rate: 2.00%
```

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-12-01 02:49:32

End at: 2017-12-01 02:50:02

Below is generated by plot.py at 2017-12-01 06:54:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 668.25 Mbit/s

95th percentile per-packet one-way delay: 193.655 ms

Loss rate: 3.58%

-- Flow 1:

Average throughput: 646.94 Mbit/s

95th percentile per-packet one-way delay: 194.215 ms

Loss rate: 3.54%

-- Flow 2:

Average throughput: 17.06 Mbit/s

95th percentile per-packet one-way delay: 152.356 ms

Loss rate: 3.37%

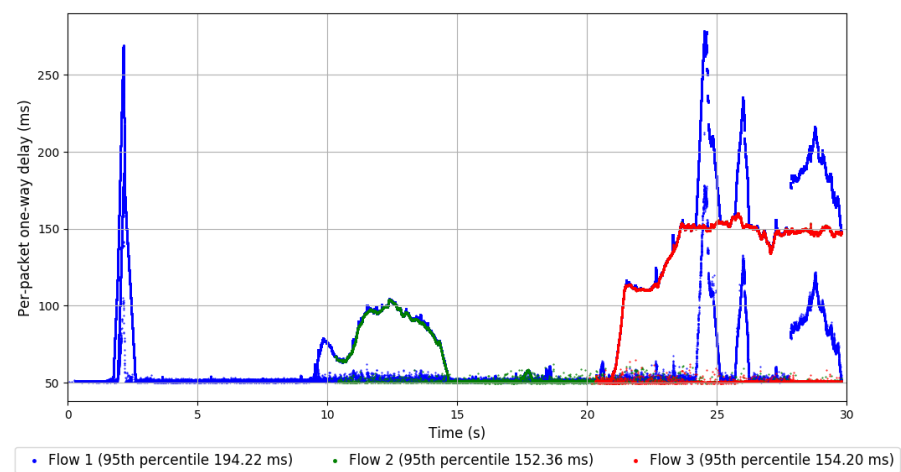
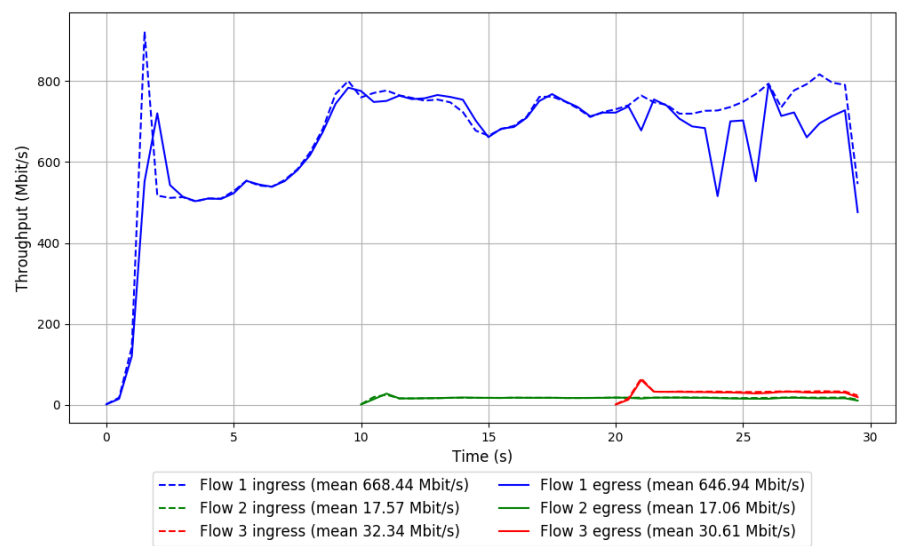
-- Flow 3:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 154.197 ms

Loss rate: 6.34%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-12-01 03:02:05

End at: 2017-12-01 03:02:35

Below is generated by plot.py at 2017-12-01 06:54:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 689.15 Mbit/s

95th percentile per-packet one-way delay: 147.490 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 644.77 Mbit/s

95th percentile per-packet one-way delay: 147.340 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 147.354 ms

Loss rate: 1.58%

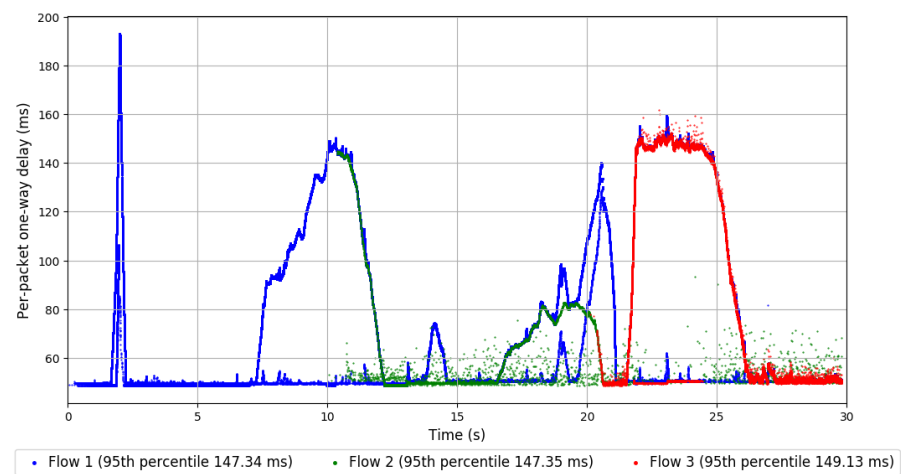
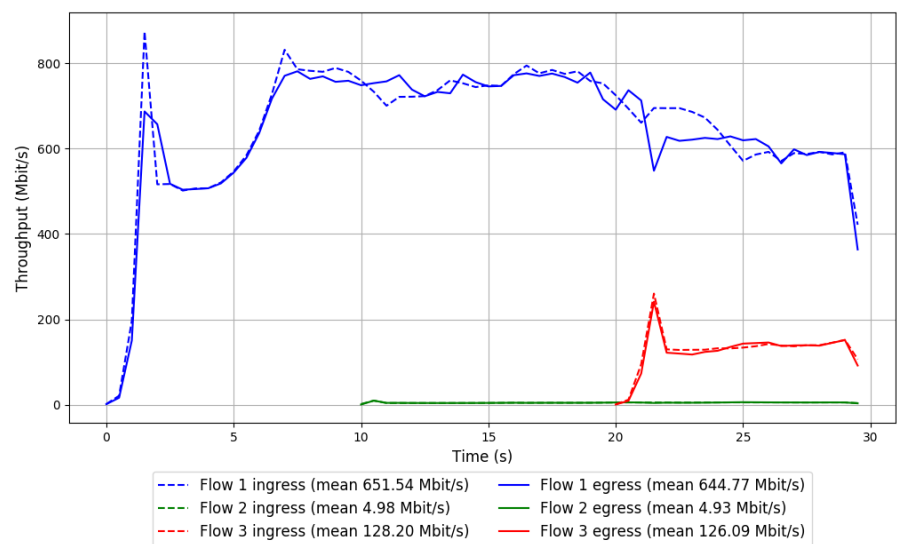
-- Flow 3:

Average throughput: 126.09 Mbit/s

95th percentile per-packet one-way delay: 149.126 ms

Loss rate: 2.94%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-12-01 03:14:45

End at: 2017-12-01 03:15:15

Below is generated by plot.py at 2017-12-01 06:54:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 671.28 Mbit/s

95th percentile per-packet one-way delay: 149.903 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 629.96 Mbit/s

95th percentile per-packet one-way delay: 149.717 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 32.88 Mbit/s

95th percentile per-packet one-way delay: 150.001 ms

Loss rate: 0.87%

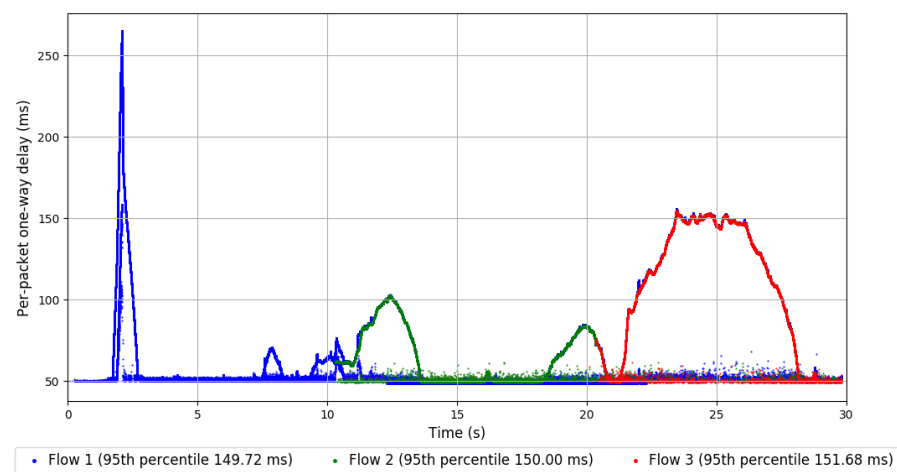
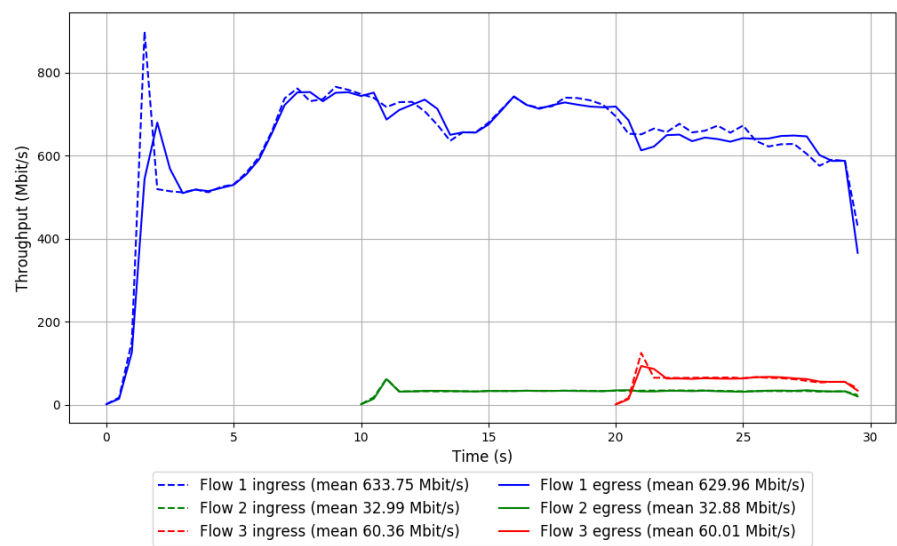
-- Flow 3:

Average throughput: 60.01 Mbit/s

95th percentile per-packet one-way delay: 151.676 ms

Loss rate: 1.65%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-12-01 03:27:18

End at: 2017-12-01 03:27:48

Below is generated by plot.py at 2017-12-01 06:54:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 648.63 Mbit/s

95th percentile per-packet one-way delay: 213.832 ms

Loss rate: 2.95%

-- Flow 1:

Average throughput: 537.88 Mbit/s

95th percentile per-packet one-way delay: 216.975 ms

Loss rate: 3.05%

-- Flow 2:

Average throughput: 135.20 Mbit/s

95th percentile per-packet one-way delay: 153.012 ms

Loss rate: 2.26%

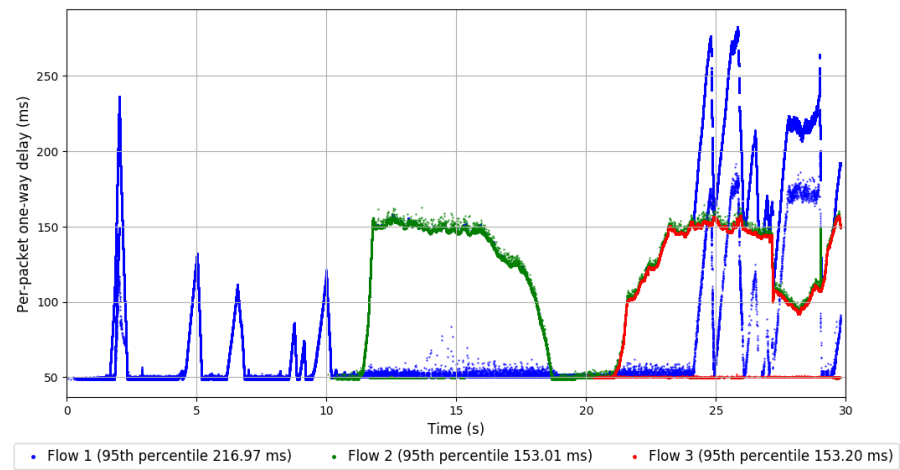
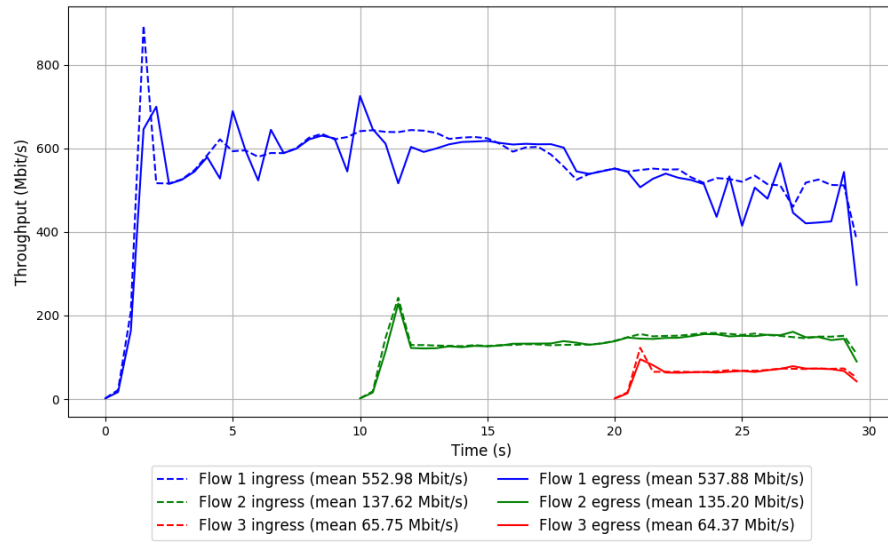
-- Flow 3:

Average throughput: 64.37 Mbit/s

95th percentile per-packet one-way delay: 153.203 ms

Loss rate: 3.11%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-12-01 03:39:48

End at: 2017-12-01 03:40:18

Below is generated by plot.py at 2017-12-01 06:54:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 658.21 Mbit/s

95th percentile per-packet one-way delay: 154.630 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 603.75 Mbit/s

95th percentile per-packet one-way delay: 154.822 ms

Loss rate: 1.24%

-- Flow 2:

Average throughput: 66.63 Mbit/s

95th percentile per-packet one-way delay: 152.455 ms

Loss rate: 1.21%

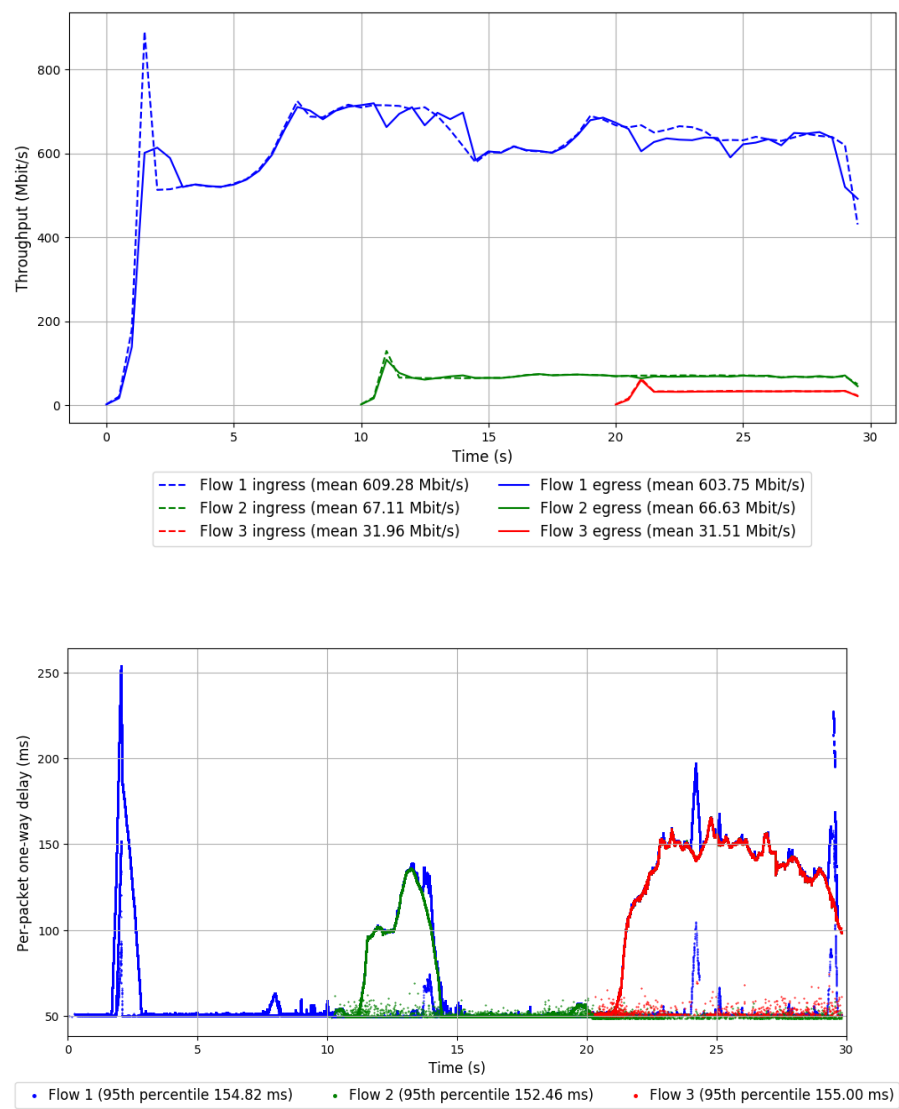
-- Flow 3:

Average throughput: 31.51 Mbit/s

95th percentile per-packet one-way delay: 154.997 ms

Loss rate: 2.42%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-12-01 03:52:18

End at: 2017-12-01 03:52:48

Below is generated by plot.py at 2017-12-01 06:55:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 695.17 Mbit/s

95th percentile per-packet one-way delay: 146.677 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 651.47 Mbit/s

95th percentile per-packet one-way delay: 146.674 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 63.68 Mbit/s

95th percentile per-packet one-way delay: 146.763 ms

Loss rate: 0.90%

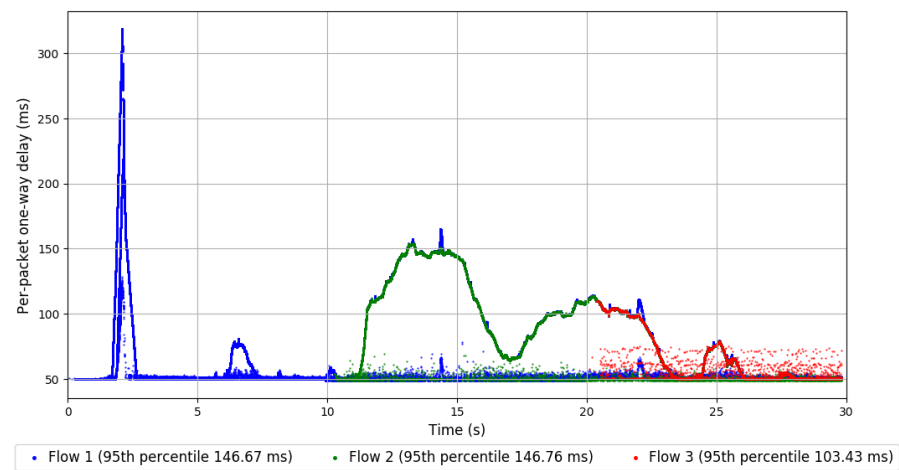
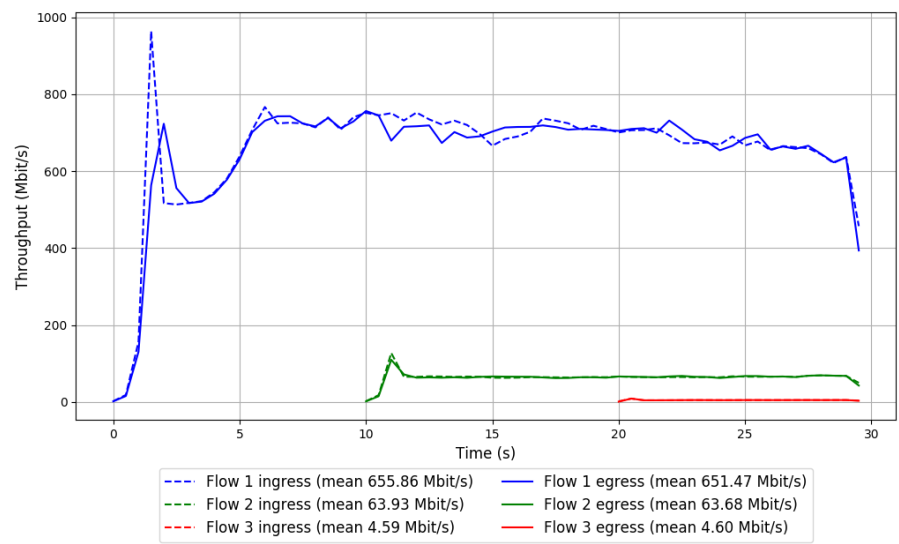
-- Flow 3:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 103.434 ms

Loss rate: 0.98%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-12-01 04:04:58

End at: 2017-12-01 04:05:28

Below is generated by plot.py at 2017-12-01 07:04:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 676.25 Mbit/s

95th percentile per-packet one-way delay: 149.882 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 621.75 Mbit/s

95th percentile per-packet one-way delay: 149.946 ms

Loss rate: 1.52%

-- Flow 2:

Average throughput: 62.22 Mbit/s

95th percentile per-packet one-way delay: 151.368 ms

Loss rate: 1.49%

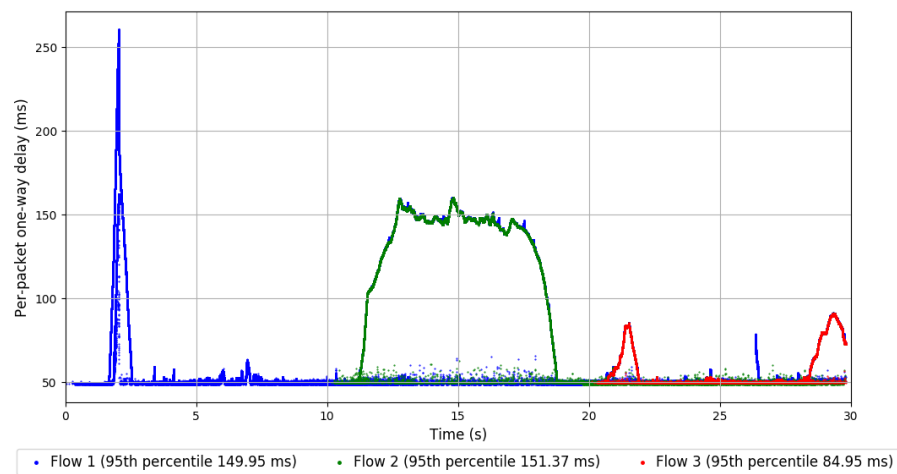
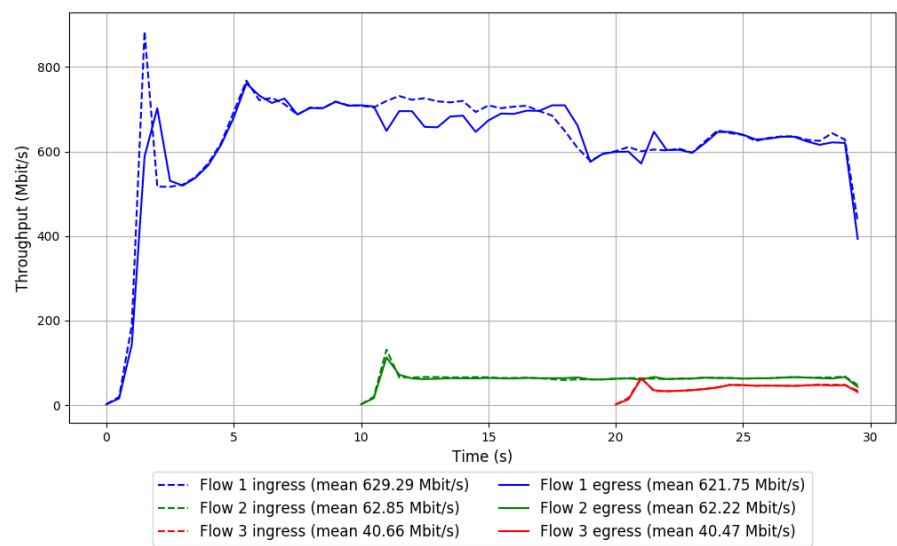
-- Flow 3:

Average throughput: 40.47 Mbit/s

95th percentile per-packet one-way delay: 84.951 ms

Loss rate: 1.47%

Run 9: Report of PCC — Data Link

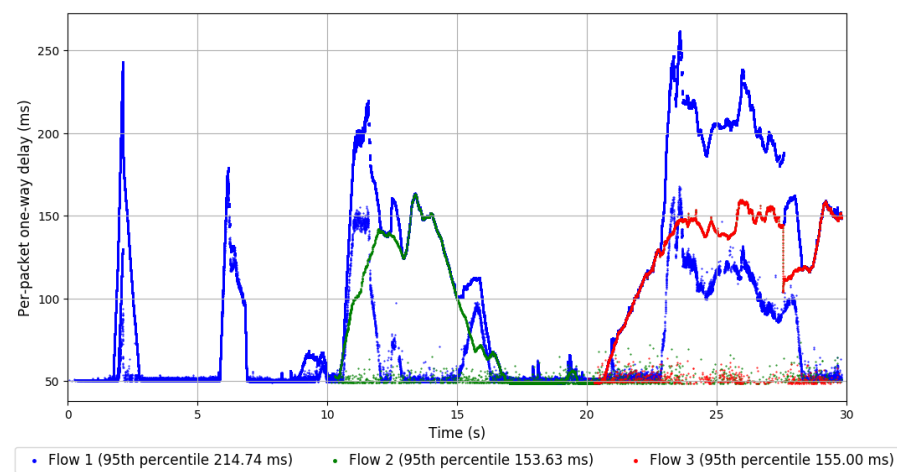
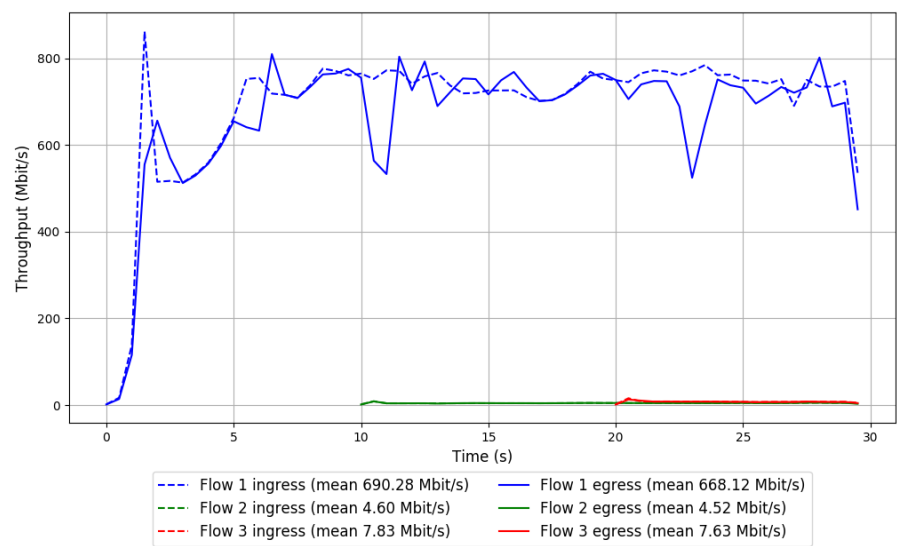


```
Run 10: Statistics of PCC

Start at: 2017-12-01 04:17:31
End at: 2017-12-01 04:18:01

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 673.62 Mbit/s
95th percentile per-packet one-way delay: 214.633 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 668.12 Mbit/s
95th percentile per-packet one-way delay: 214.735 ms
Loss rate: 3.54%
-- Flow 2:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 153.627 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 154.996 ms
Loss rate: 3.54%
```

Run 10: Report of PCC — Data Link

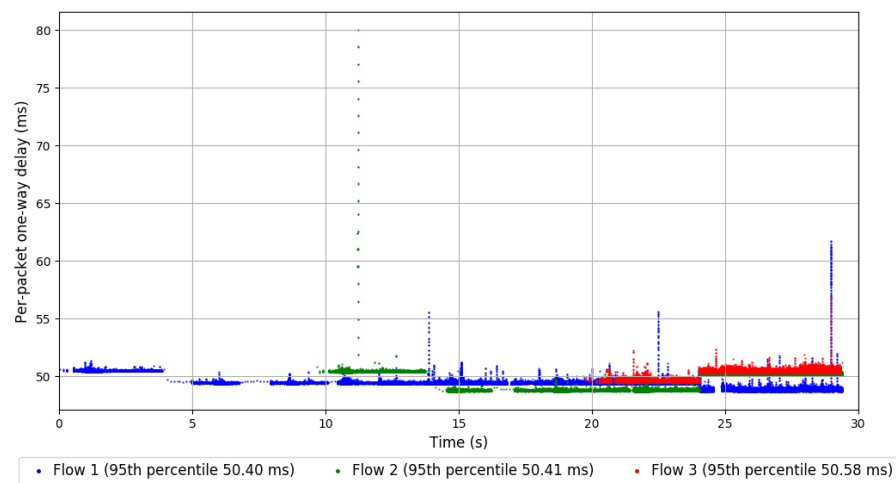
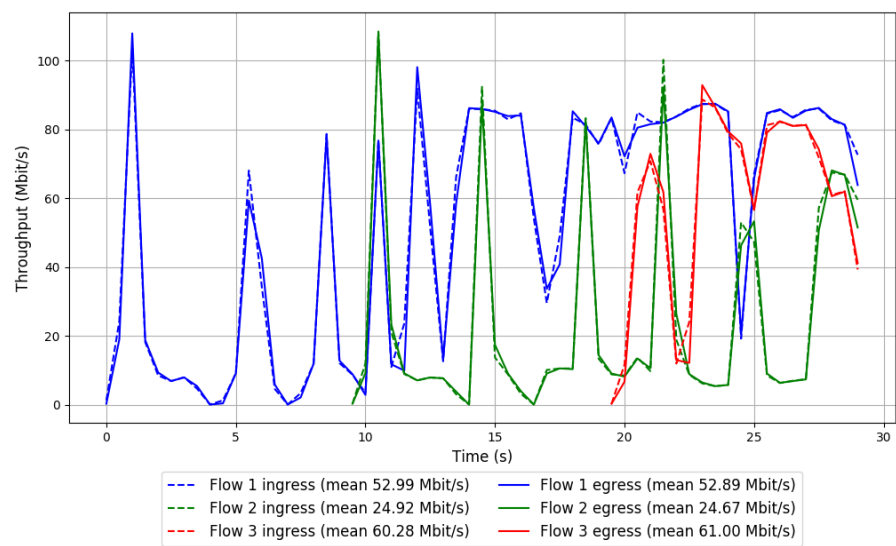


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-01 02:20:43
End at: 2017-12-01 02:21:13

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.53 Mbit/s
95th percentile per-packet one-way delay: 50.447 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 52.89 Mbit/s
95th percentile per-packet one-way delay: 50.399 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 50.412 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 50.576 ms
Loss rate: 0.37%
```


Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-12-01 02:33:20

End at: 2017-12-01 02:33:50

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.67 Mbit/s

95th percentile per-packet one-way delay: 50.509 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 56.10 Mbit/s

95th percentile per-packet one-way delay: 50.512 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 30.65 Mbit/s

95th percentile per-packet one-way delay: 50.266 ms

Loss rate: 0.96%

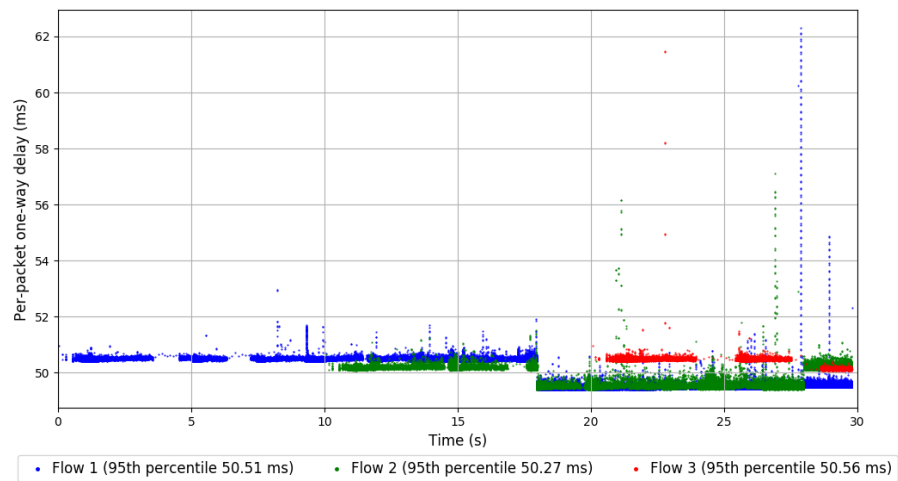
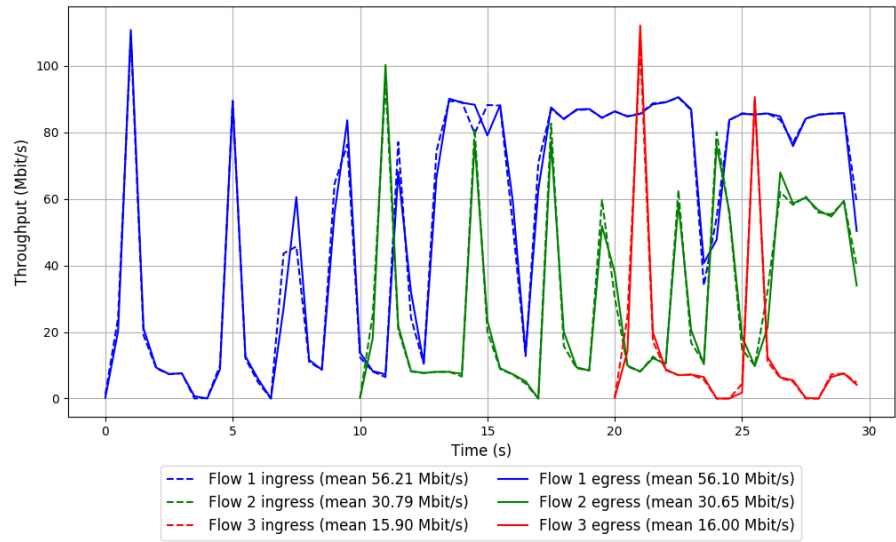
-- Flow 3:

Average throughput: 16.00 Mbit/s

95th percentile per-packet one-way delay: 50.562 ms

Loss rate: 0.45%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-12-01 02:45:54

End at: 2017-12-01 02:46:24

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.73 Mbit/s

95th percentile per-packet one-way delay: 50.929 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 45.80 Mbit/s

95th percentile per-packet one-way delay: 50.748 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 52.30 Mbit/s

95th percentile per-packet one-way delay: 50.981 ms

Loss rate: 0.83%

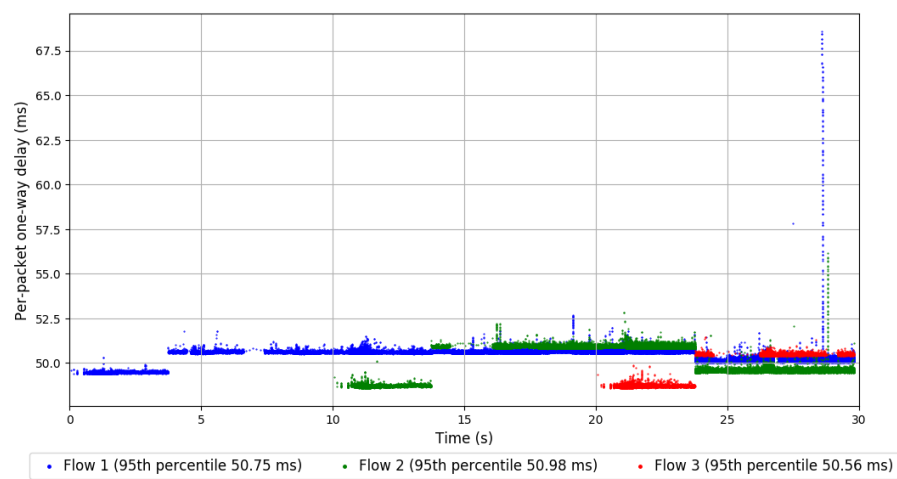
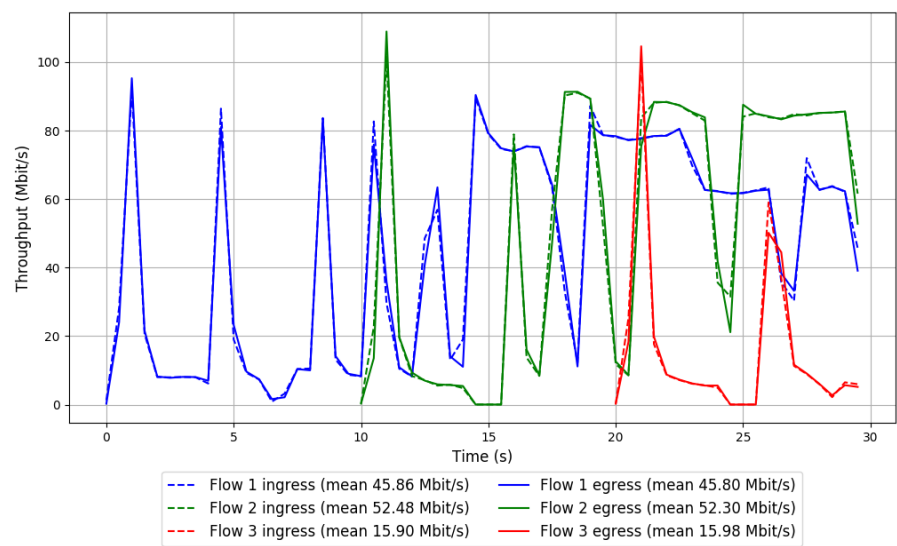
-- Flow 3:

Average throughput: 15.98 Mbit/s

95th percentile per-packet one-way delay: 50.563 ms

Loss rate: 0.52%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-12-01 02:58:38

End at: 2017-12-01 02:59:08

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.99 Mbit/s

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

Loss rate: 1.13%

-- Flow 1:

Average throughput: 50.84 Mbit/s

95th percentile per-packet one-way delay: 50.613 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 37.02 Mbit/s

95th percentile per-packet one-way delay: 50.517 ms

Loss rate: 0.76%

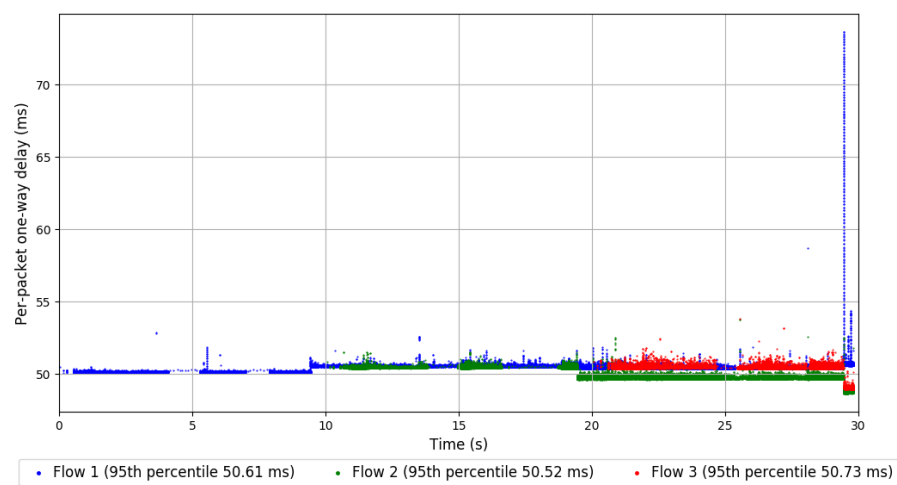
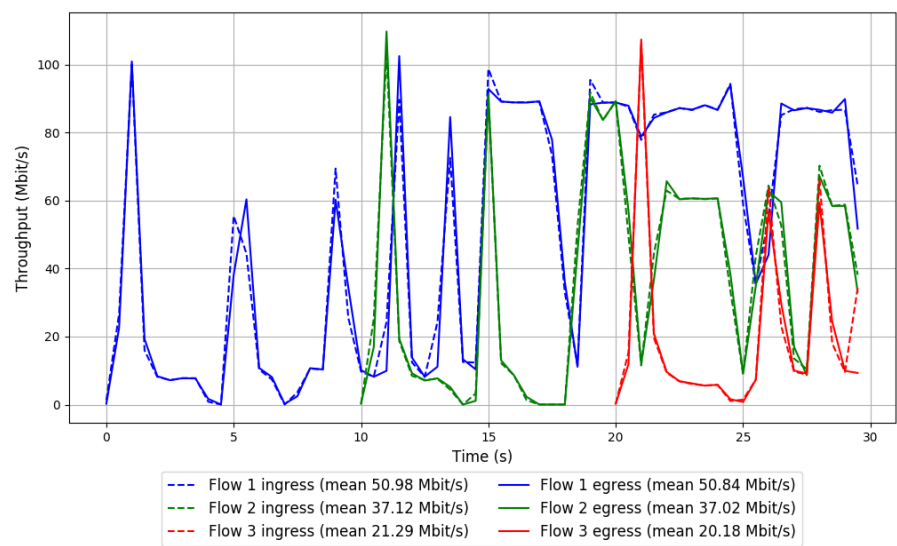
-- Flow 3:

Average throughput: 20.18 Mbit/s

95th percentile per-packet one-way delay: 50.734 ms

Loss rate: 6.17%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-12-01 03:11:15

End at: 2017-12-01 03:11:45

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.42 Mbit/s

95th percentile per-packet one-way delay: 50.648 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 52.49 Mbit/s

95th percentile per-packet one-way delay: 50.656 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 49.755 ms

Loss rate: 1.23%

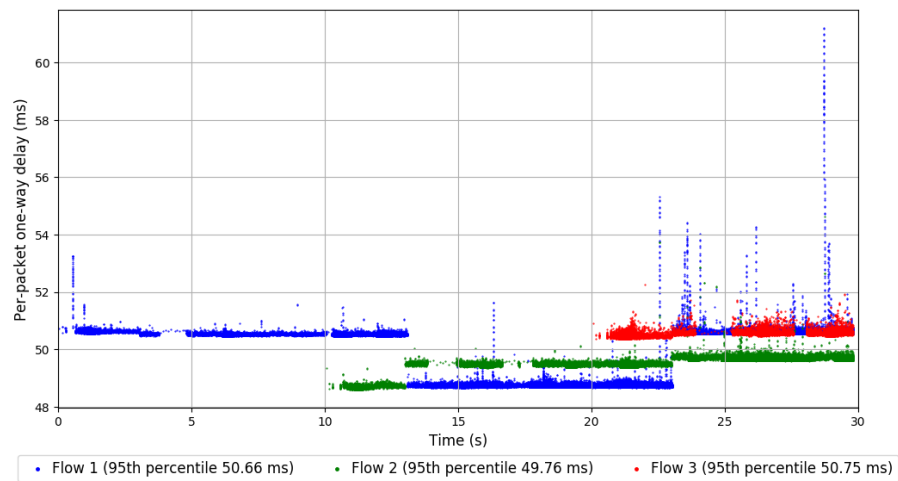
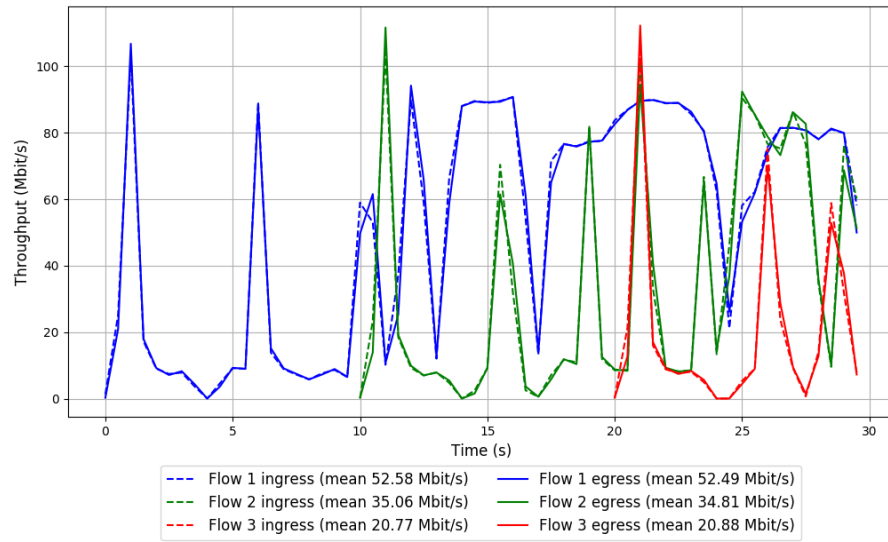
-- Flow 3:

Average throughput: 20.88 Mbit/s

95th percentile per-packet one-way delay: 50.747 ms

Loss rate: 0.49%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-12-01 03:23:45

End at: 2017-12-01 03:24:15

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 50.702 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 55.33 Mbit/s

95th percentile per-packet one-way delay: 50.615 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 45.44 Mbit/s

95th percentile per-packet one-way delay: 50.774 ms

Loss rate: 0.10%

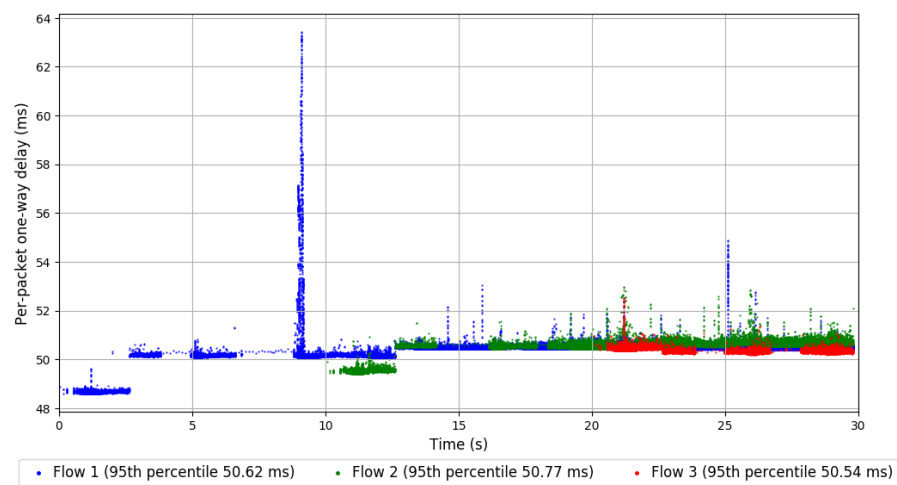
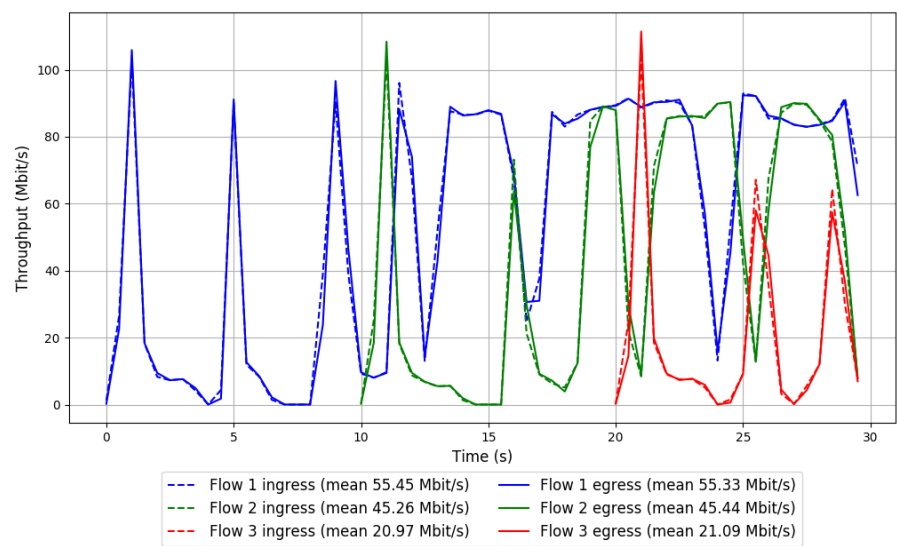
-- Flow 3:

Average throughput: 21.09 Mbit/s

95th percentile per-packet one-way delay: 50.539 ms

Loss rate: 0.47%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-12-01 03:36:15

End at: 2017-12-01 03:36:45

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 50.301 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 50.061 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 35.34 Mbit/s

95th percentile per-packet one-way delay: 50.324 ms

Loss rate: 1.02%

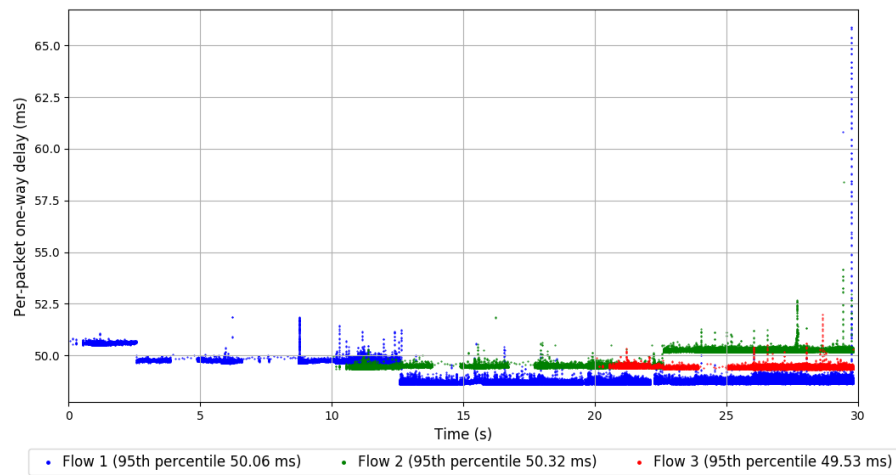
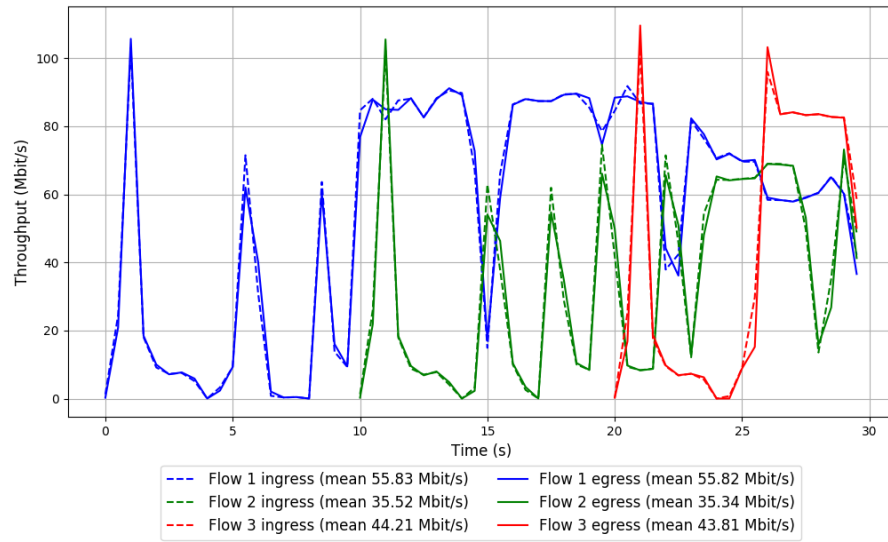
-- Flow 3:

Average throughput: 43.81 Mbit/s

95th percentile per-packet one-way delay: 49.533 ms

Loss rate: 1.92%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-12-01 03:48:45

End at: 2017-12-01 03:49:16

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.70 Mbit/s

95th percentile per-packet one-way delay: 50.561 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 50.527 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 33.78 Mbit/s

95th percentile per-packet one-way delay: 50.626 ms

Loss rate: 1.25%

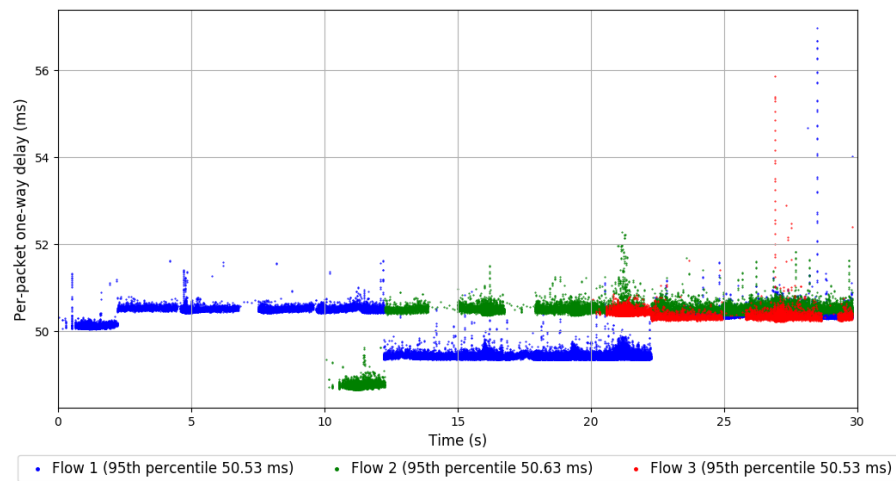
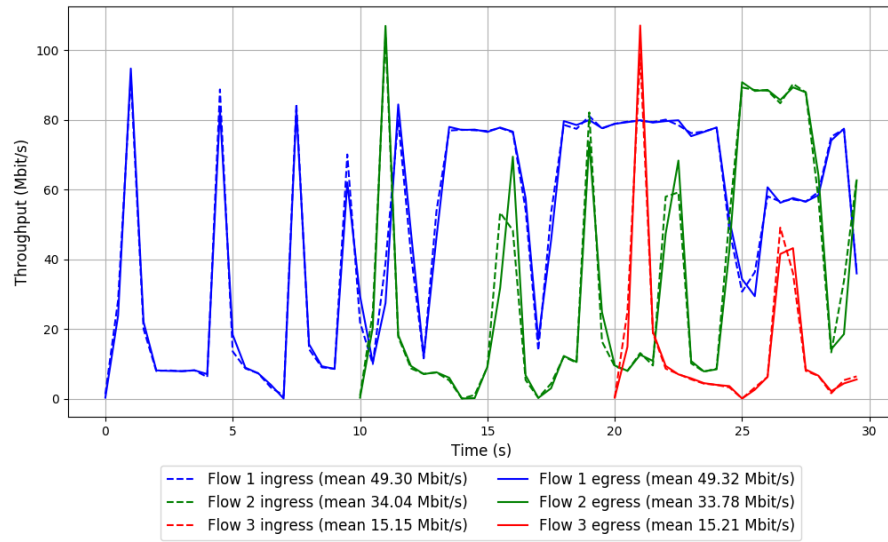
-- Flow 3:

Average throughput: 15.21 Mbit/s

95th percentile per-packet one-way delay: 50.528 ms

Loss rate: 0.61%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-12-01 04:01:27

End at: 2017-12-01 04:01:57

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.10 Mbit/s

95th percentile per-packet one-way delay: 50.410 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 77.48 Mbit/s

95th percentile per-packet one-way delay: 50.304 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 41.33 Mbit/s

95th percentile per-packet one-way delay: 49.508 ms

Loss rate: 1.07%

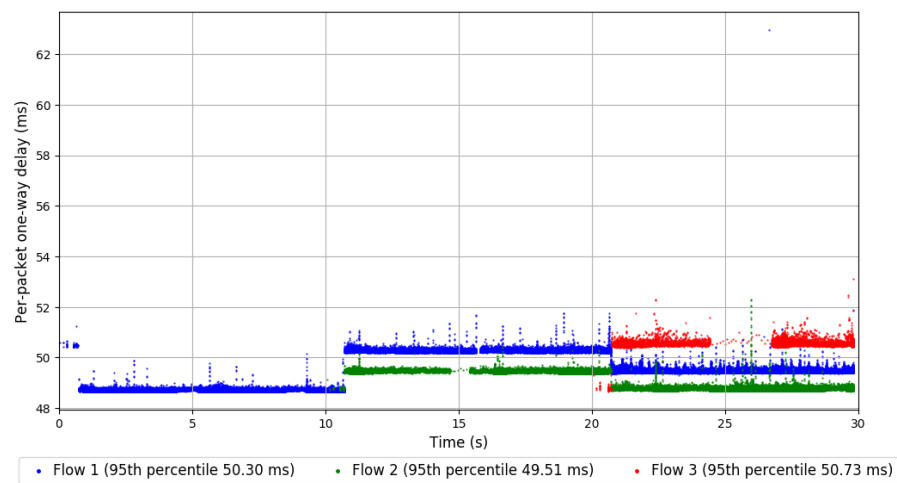
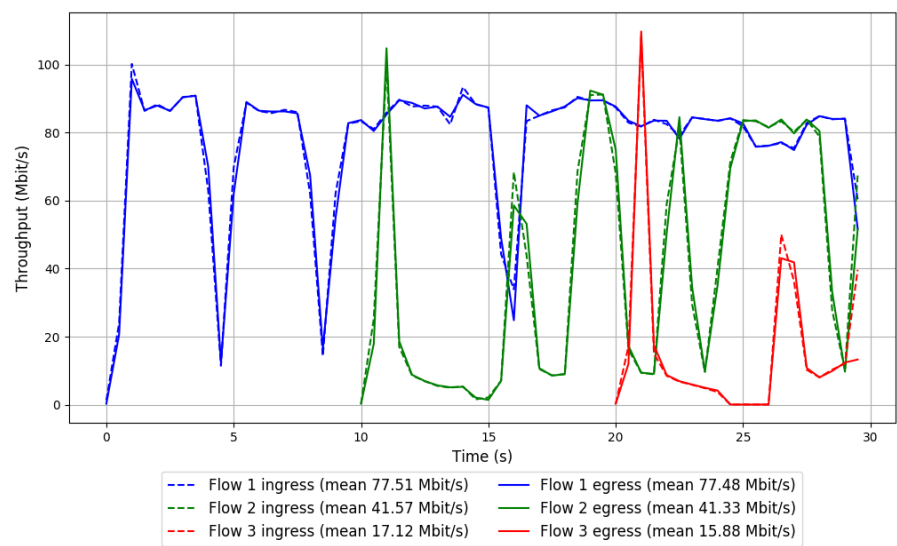
-- Flow 3:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 50.730 ms

Loss rate: 8.13%

Run 9: Report of QUIC Cubic — Data Link

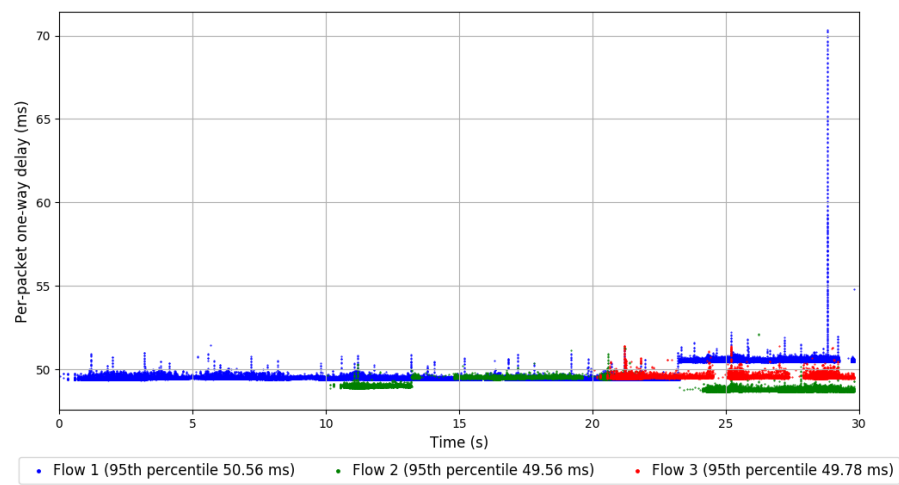
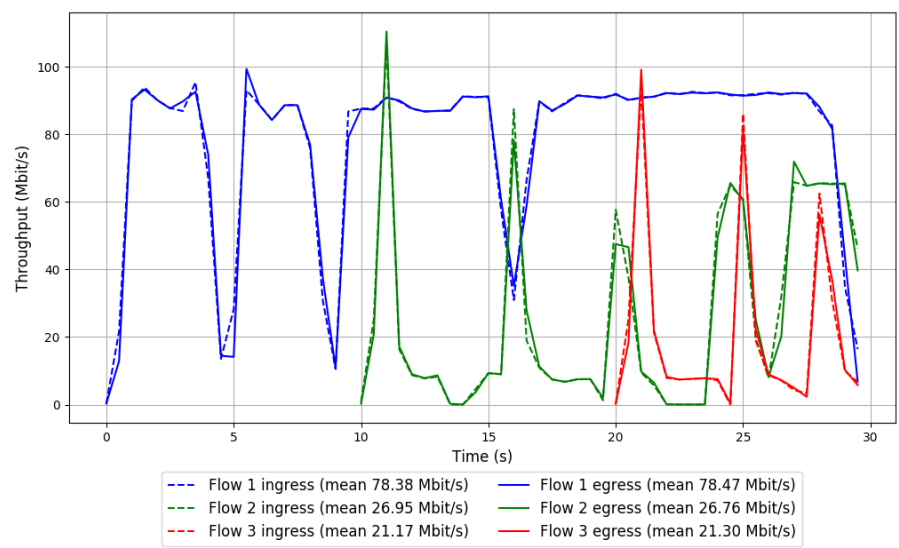


```
Run 10: Statistics of QUIC Cubic

Start at: 2017-12-01 04:14:05
End at: 2017-12-01 04:14:35

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 103.19 Mbit/s
95th percentile per-packet one-way delay: 50.545 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 78.47 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 49.560 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 21.30 Mbit/s
95th percentile per-packet one-way delay: 49.780 ms
Loss rate: 0.43%
```

Run 10: Report of QUIC Cubic — Data Link

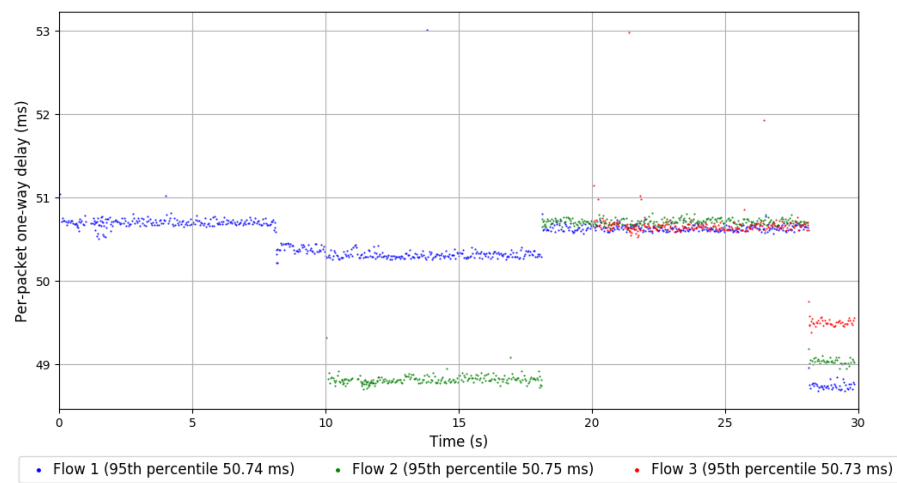
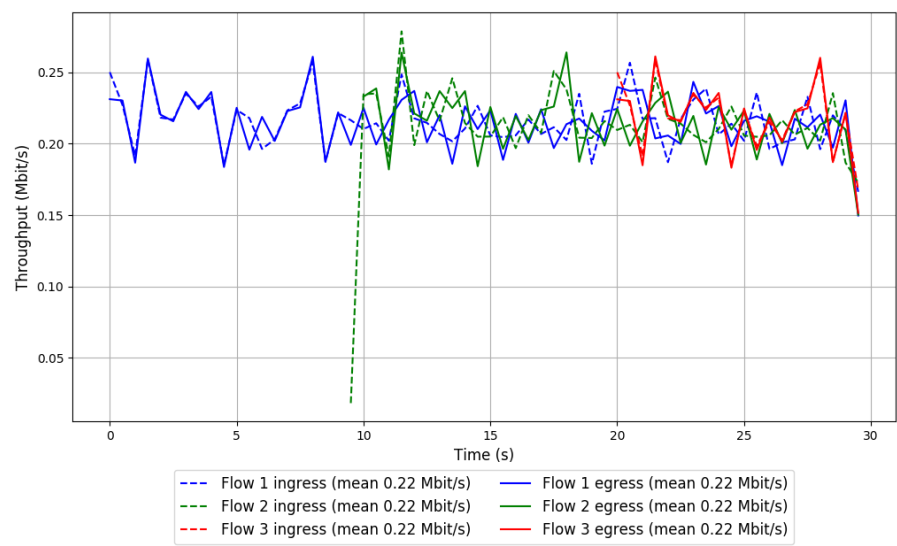


```
Run 1: Statistics of SCReAM

Start at: 2017-12-01 02:18:10
End at: 2017-12-01 02:18:40

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.750 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.743 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.754 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.727 ms
Loss rate: 0.74%
```

Run 1: Report of SReAM — Data Link

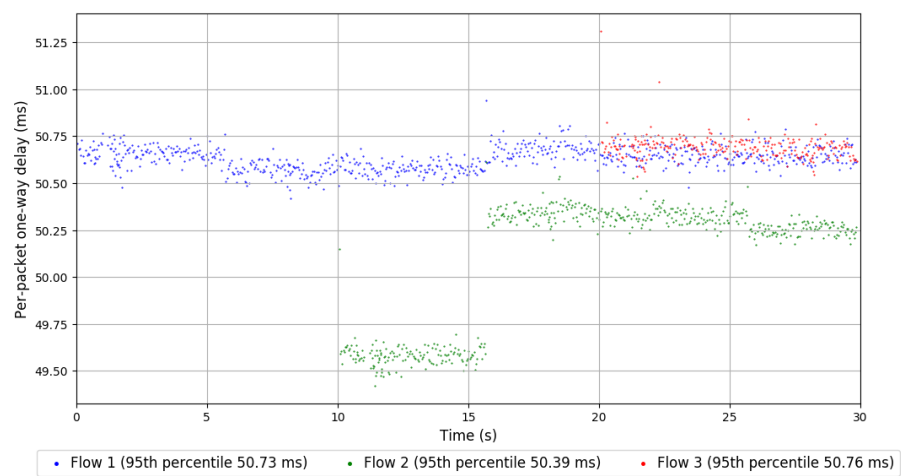
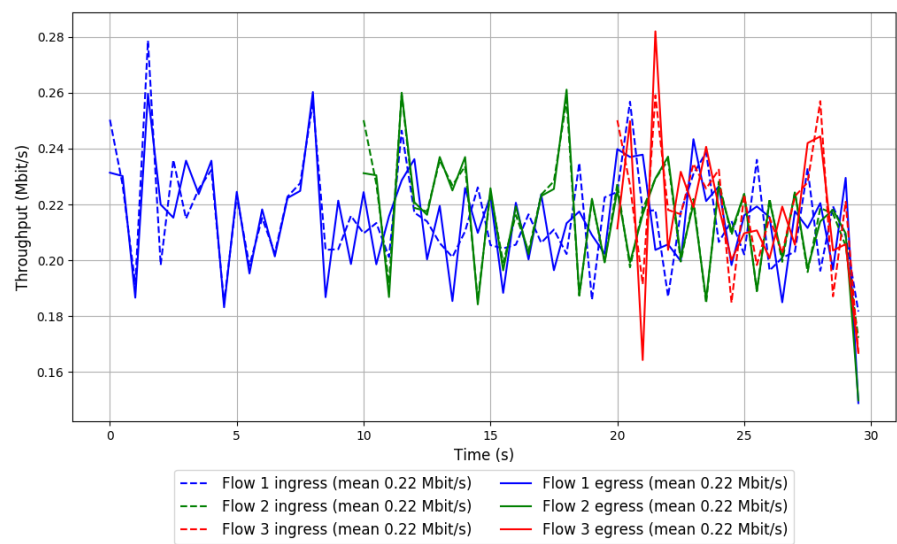


```
Run 2: Statistics of SCReAM

Start at: 2017-12-01 02:30:42
End at: 2017-12-01 02:31:12

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.732 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.729 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.390 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.760 ms
Loss rate: 0.74%
```

Run 2: Report of SReAM — Data Link

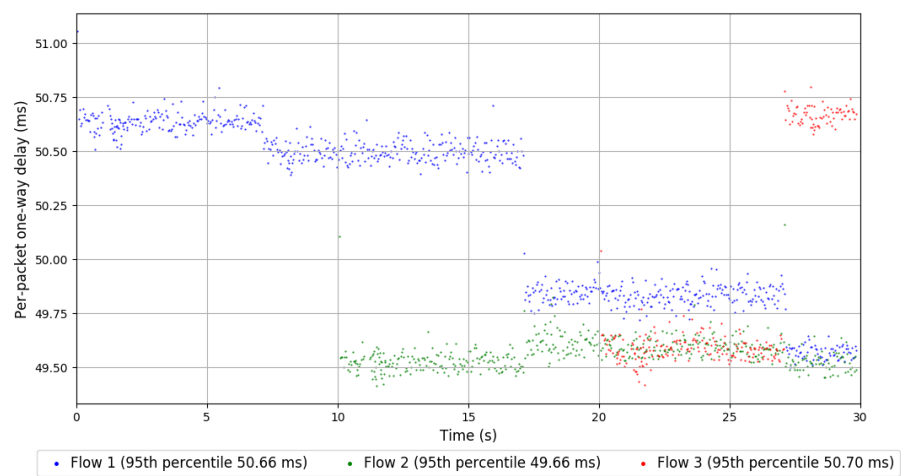
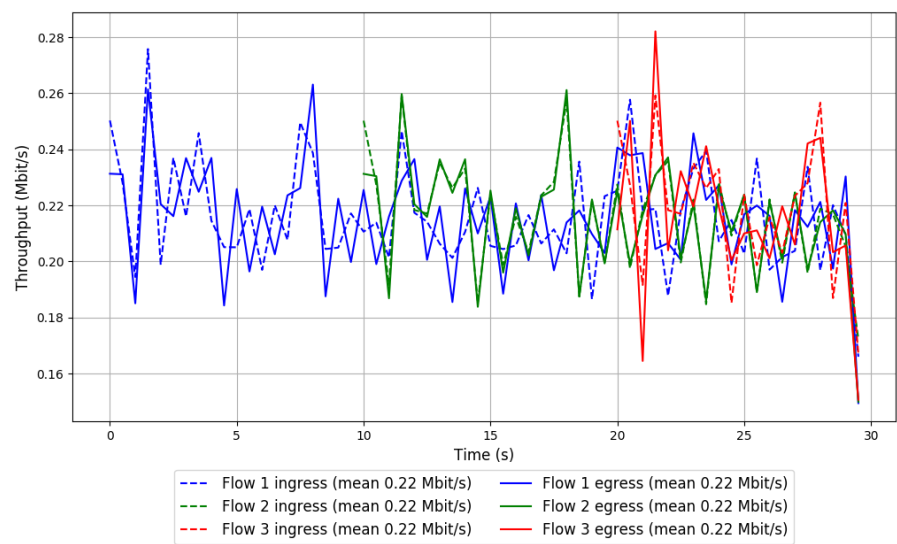


```
Run 3: Statistics of SCReAM

Start at: 2017-12-01 02:43:21
End at: 2017-12-01 02:43:51

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.663 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.701 ms
Loss rate: 1.10%
```


Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2017-12-01 02:56:05

End at: 2017-12-01 02:56:35

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.729 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.751 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.215 ms

Loss rate: 0.61%

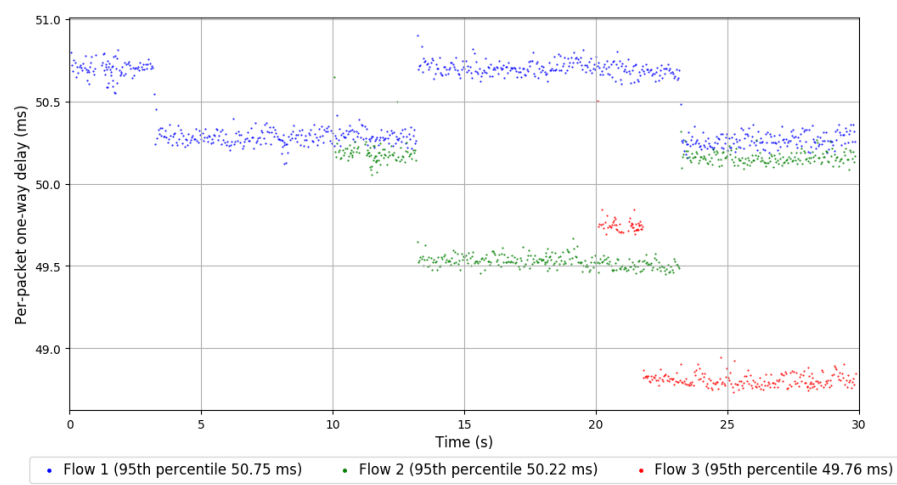
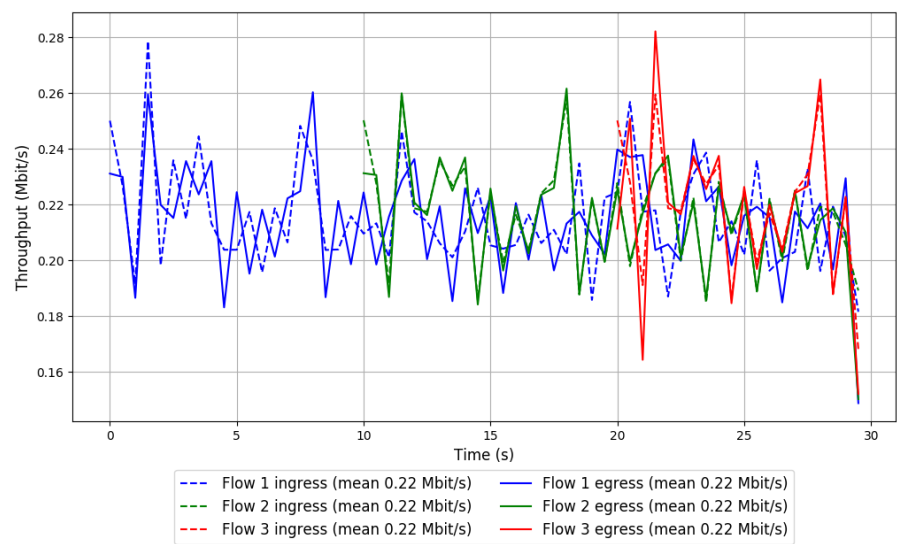
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.760 ms

Loss rate: 0.74%

Run 4: Report of SReAM — Data Link

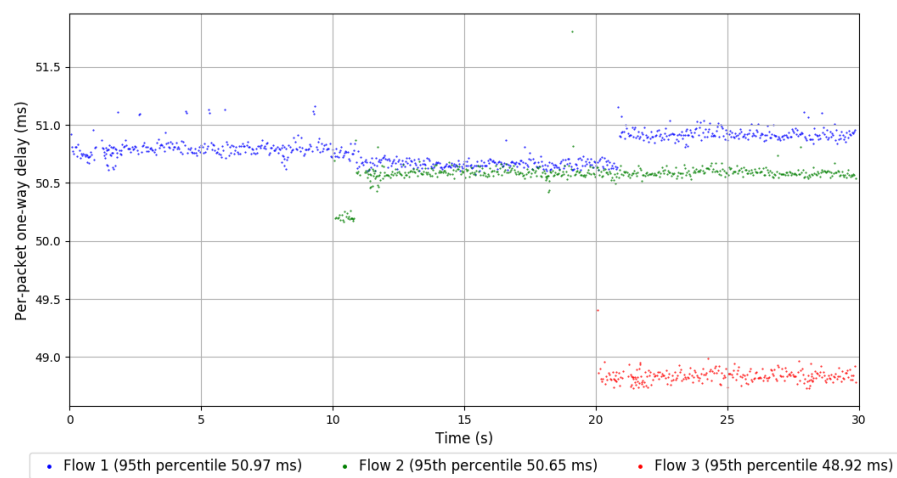
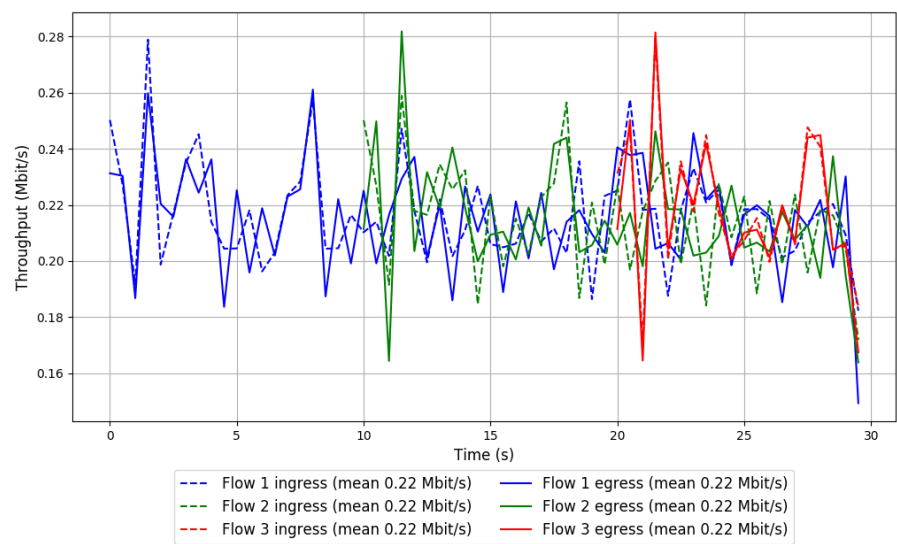


```
Run 5: Statistics of SReAM

Start at: 2017-12-01 03:08:37
End at: 2017-12-01 03:09:07

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.938 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.971 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.921 ms
Loss rate: 0.74%
```

Run 5: Report of SReAM — Data Link

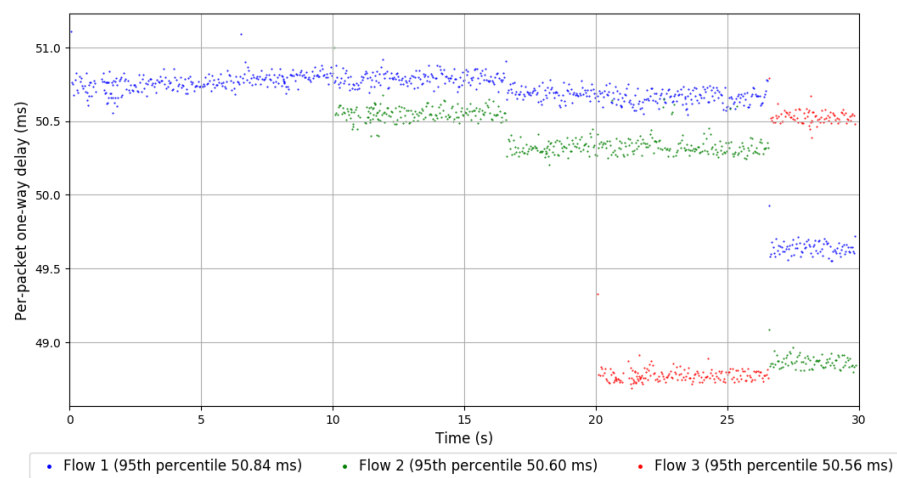
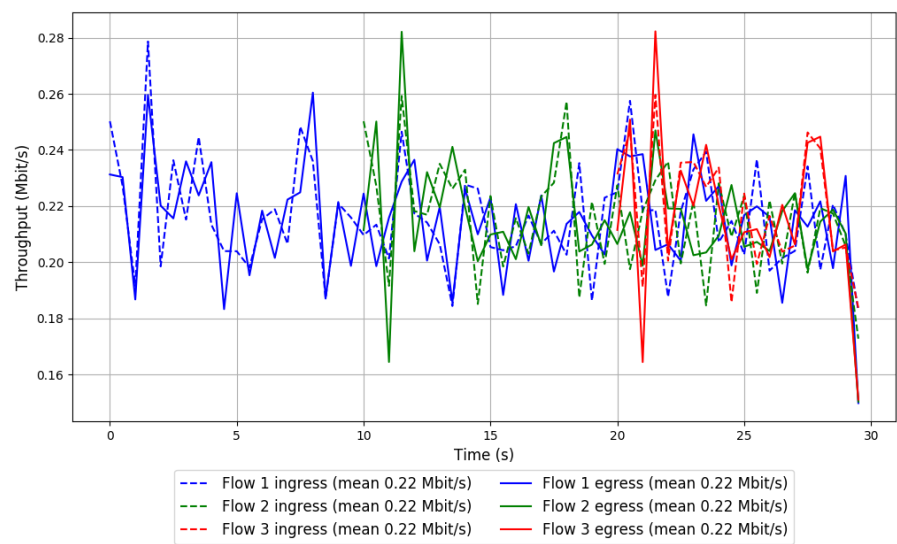


```
Run 6: Statistics of SCReAM

Start at: 2017-12-01 03:21:11
End at: 2017-12-01 03:21:41

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.817 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.838 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.600 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.563 ms
Loss rate: 1.10%
```

Run 6: Report of SReAM — Data Link

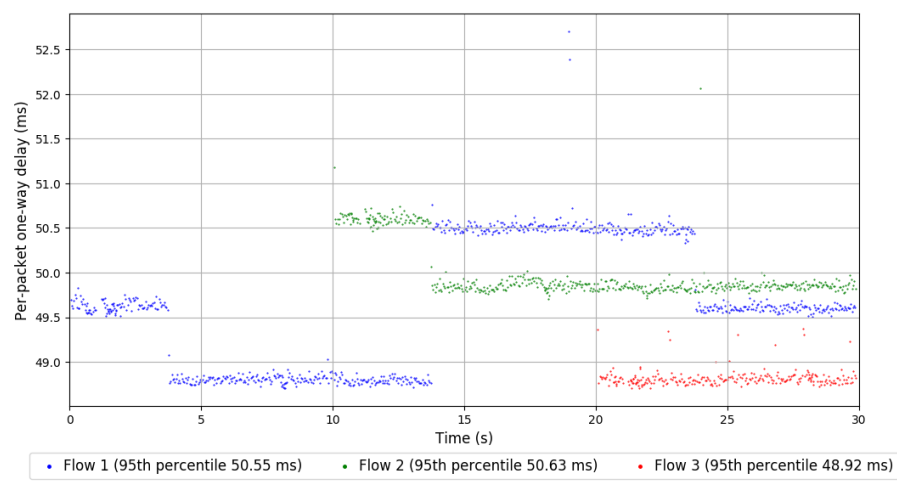
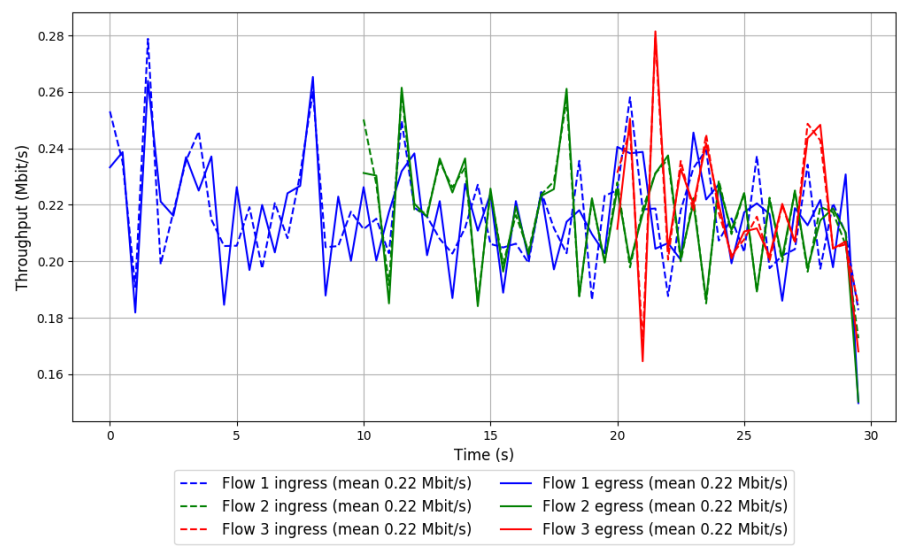


```
Run 7: Statistics of SReAM

Start at: 2017-12-01 03:33:44
End at: 2017-12-01 03:34:14

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.583 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.546 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.633 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.922 ms
Loss rate: 0.74%
```


Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2017-12-01 03:46:13

End at: 2017-12-01 03:46:43

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.717 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.743 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.678 ms

Loss rate: 0.42%

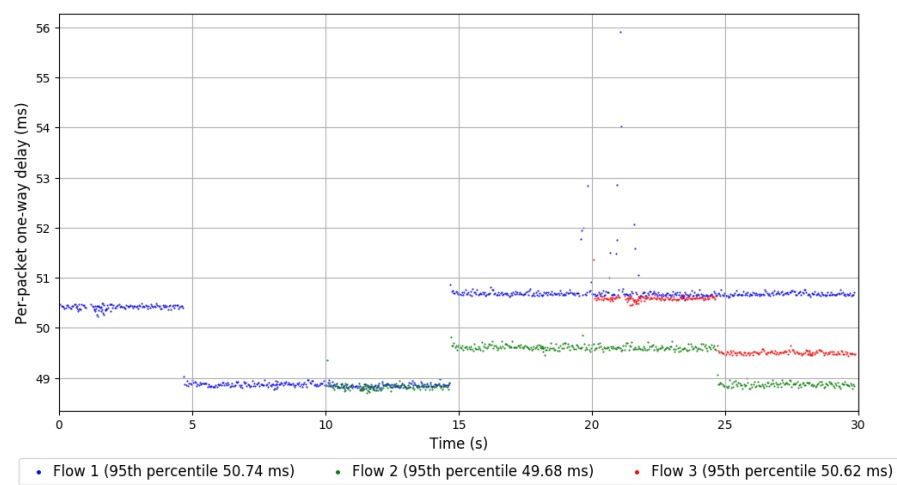
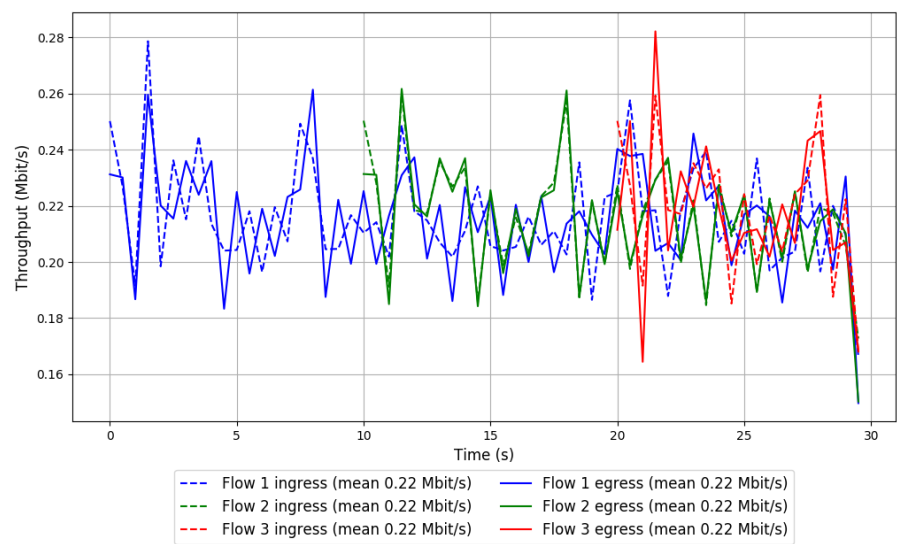
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.624 ms

Loss rate: 0.74%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2017-12-01 03:58:49

End at: 2017-12-01 03:59:19

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 50.407 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.848 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.432 ms

Loss rate: 0.42%

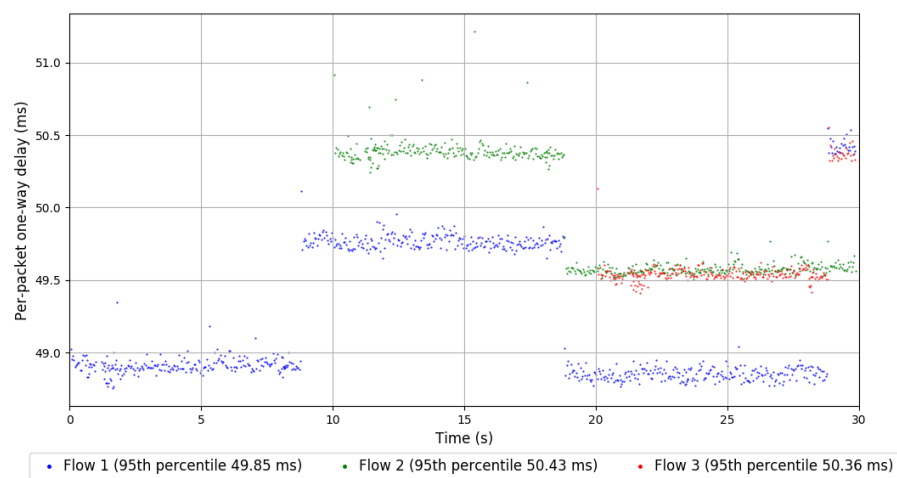
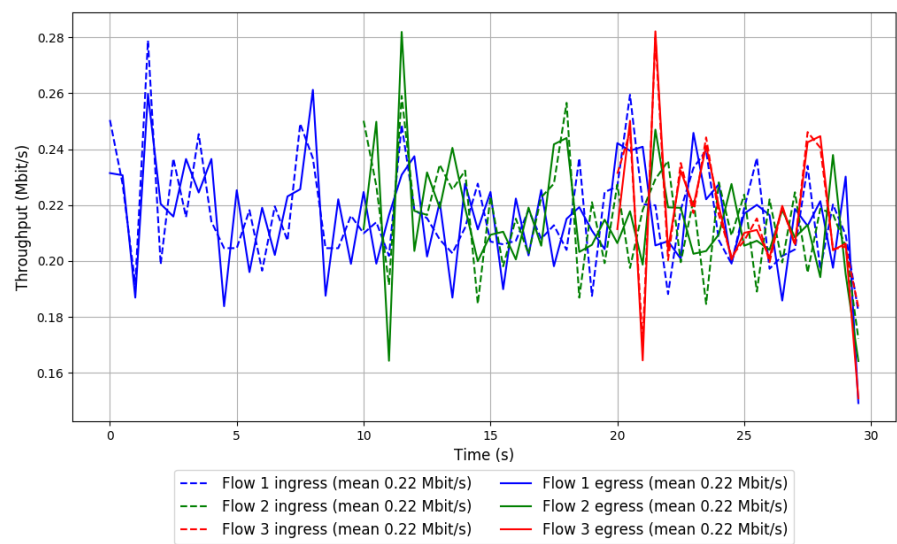
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.360 ms

Loss rate: 1.11%

Run 9: Report of SReAM — Data Link

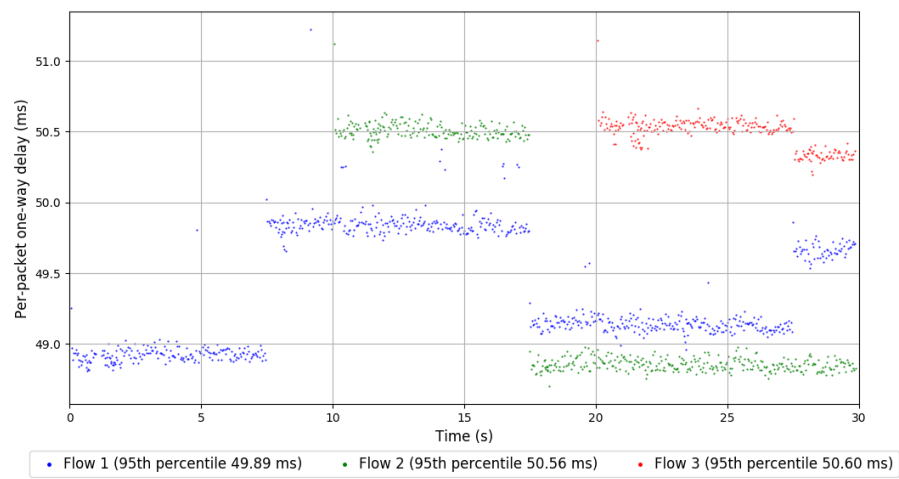
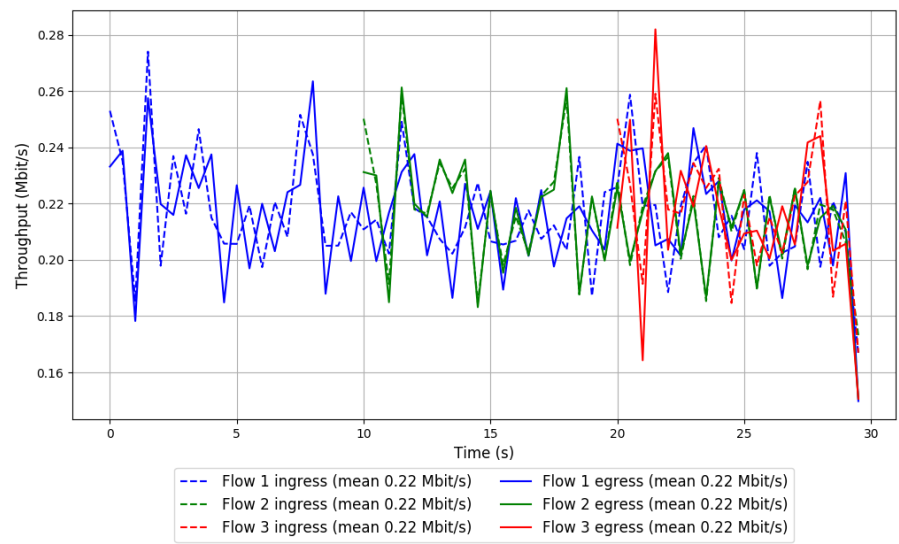


```
Run 10: Statistics of SCReAM

Start at: 2017-12-01 04:11:30
End at: 2017-12-01 04:12:00

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.566 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.890 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.601 ms
Loss rate: 1.11%
```

Run 10: Report of SReAM — Data Link

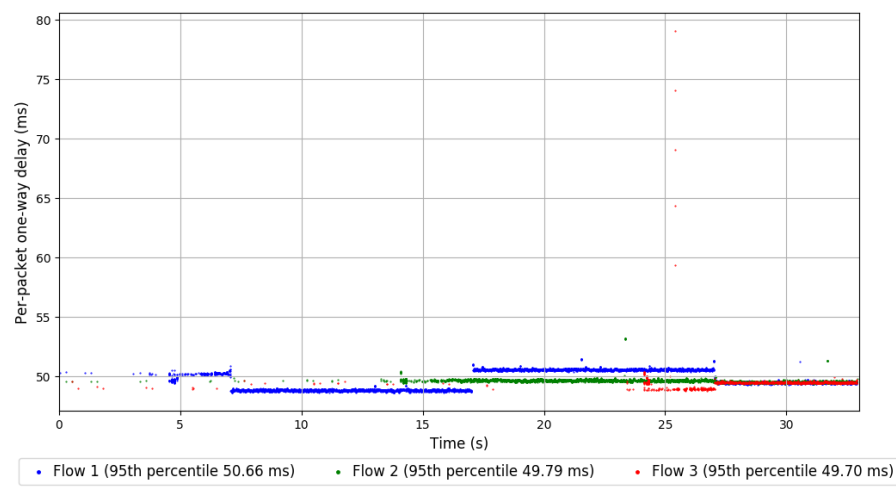
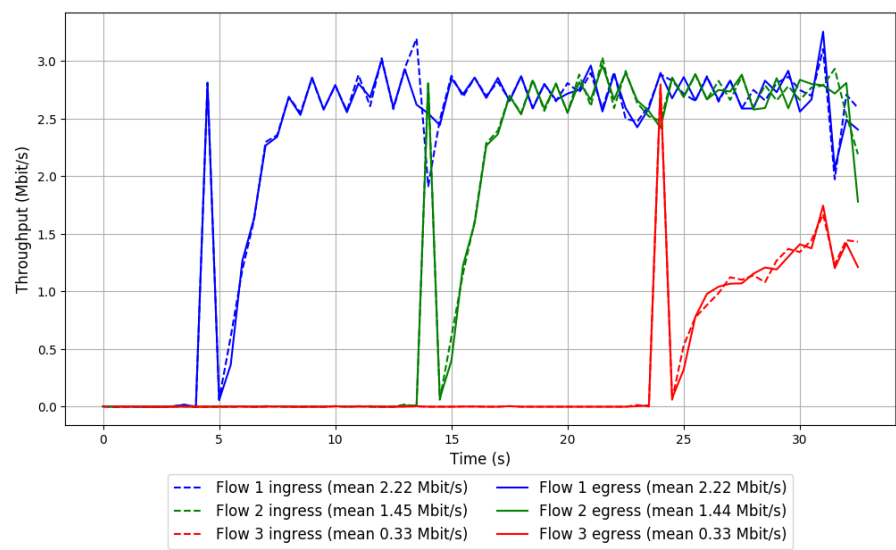


```
Run 1: Statistics of WebRTC media

Start at: 2017-12-01 02:20:04
End at: 2017-12-01 02:20:34

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 50.636 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 50.658 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 49.787 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 49.695 ms
Loss rate: 1.63%
```


Run 1: Report of WebRTC media — Data Link

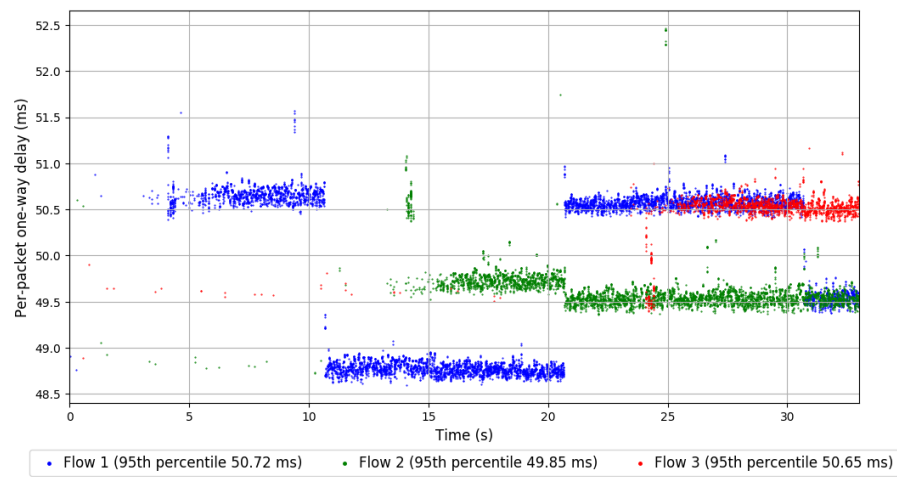
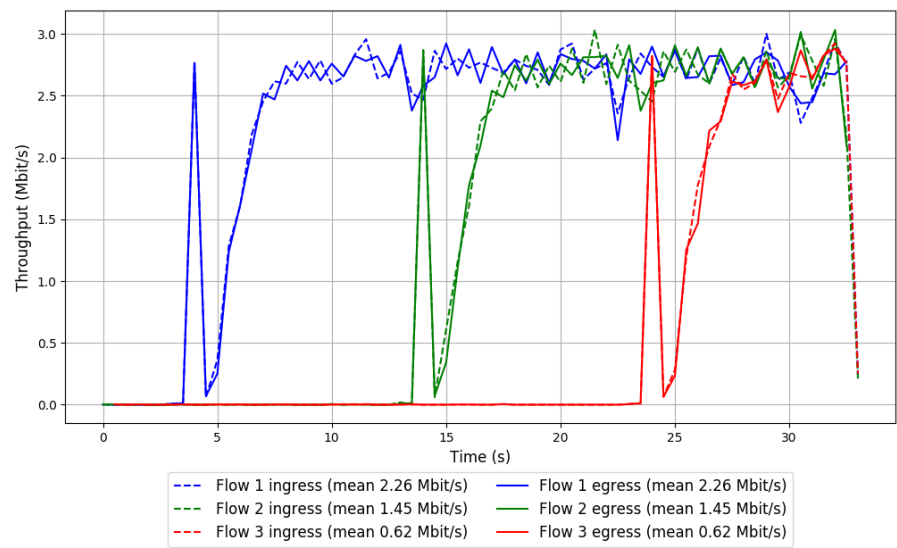


```
Run 2: Statistics of WebRTC media

Start at: 2017-12-01 02:32:40
End at: 2017-12-01 02:33:10

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 50.688 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 50.718 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 49.846 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 50.653 ms
Loss rate: 1.26%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-12-01 02:45:15

End at: 2017-12-01 02:45:45

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.26 Mbit/s

95th percentile per-packet one-way delay: 50.320 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 2.25 Mbit/s

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

Loss rate: 0.43%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 49.640 ms

Loss rate: 0.45%

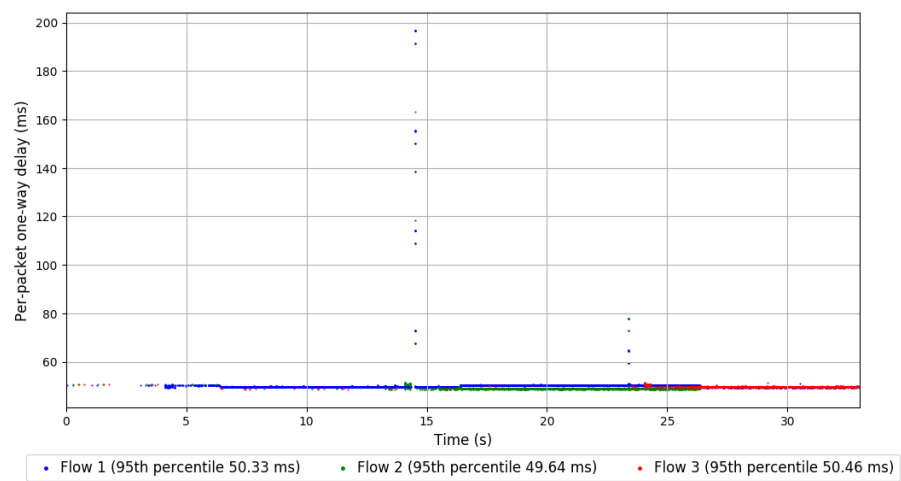
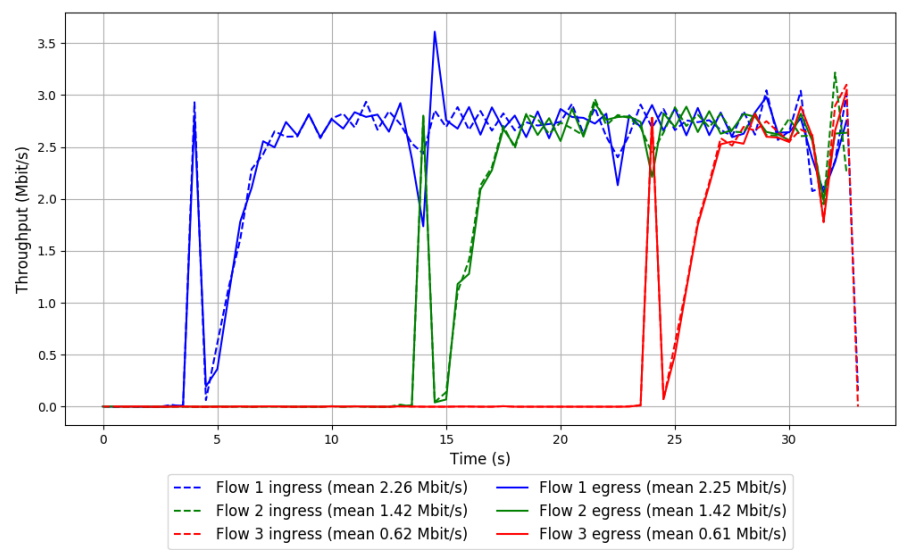
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 50.458 ms

Loss rate: 1.27%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-12-01 02:57:59

End at: 2017-12-01 02:58:29

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 50.789 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 50.592 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 50.846 ms

Loss rate: 0.64%

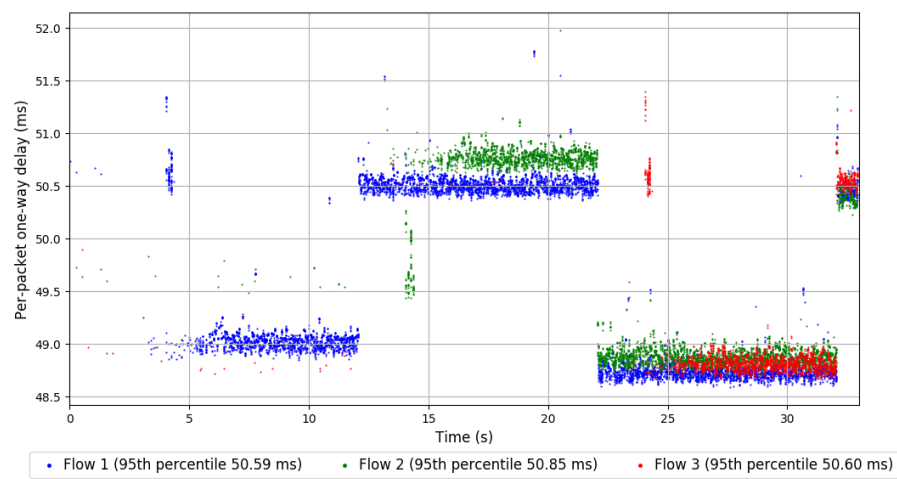
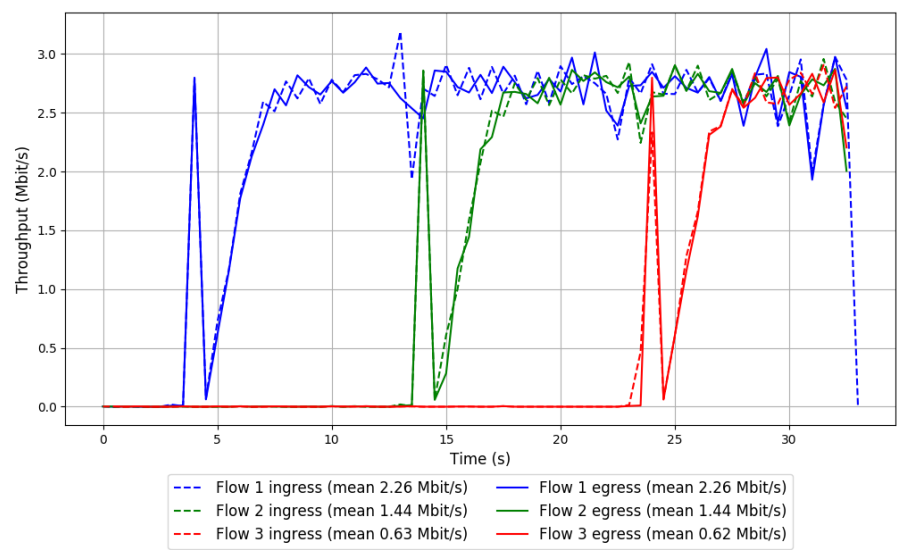
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 50.598 ms

Loss rate: 1.80%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-12-01 03:10:35

End at: 2017-12-01 03:11:05

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 50.753 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 50.374 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 50.717 ms

Loss rate: 0.68%

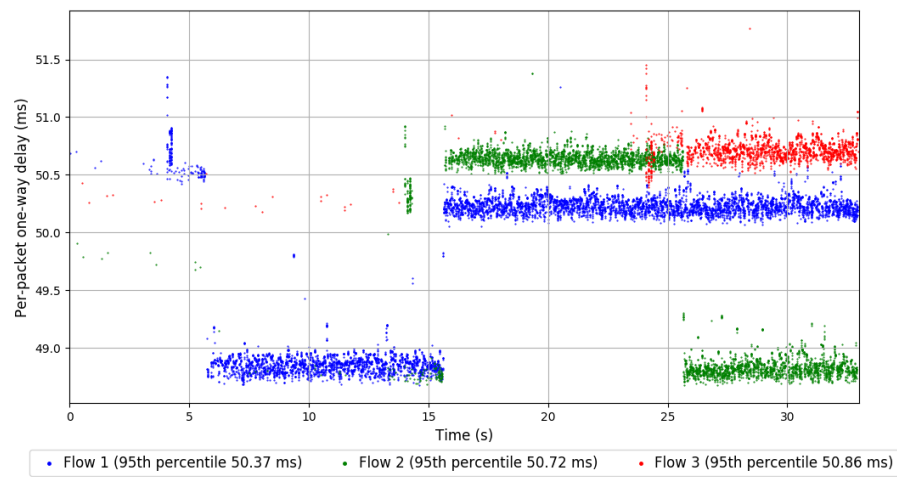
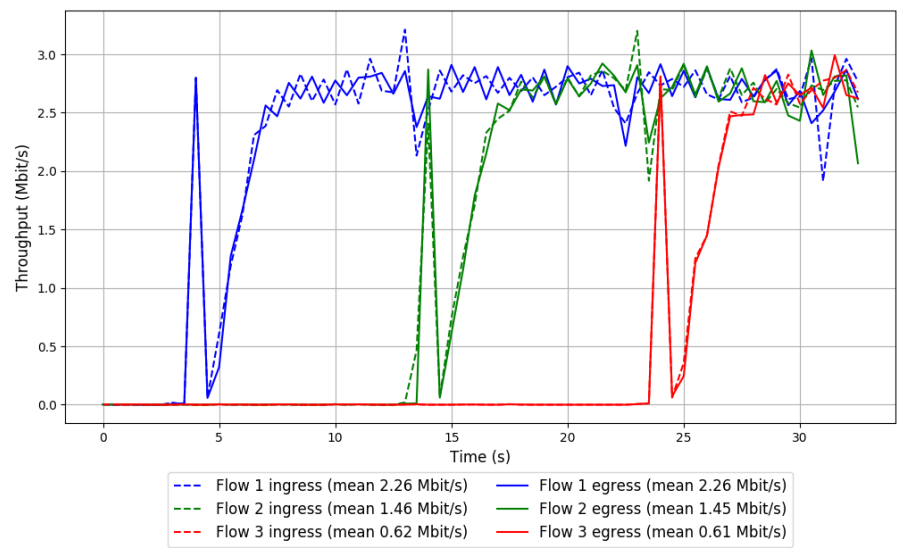
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 50.857 ms

Loss rate: 1.24%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-12-01 03:23:06

End at: 2017-12-01 03:23:36

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 50.587 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 49.672 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 50.625 ms

Loss rate: 0.70%

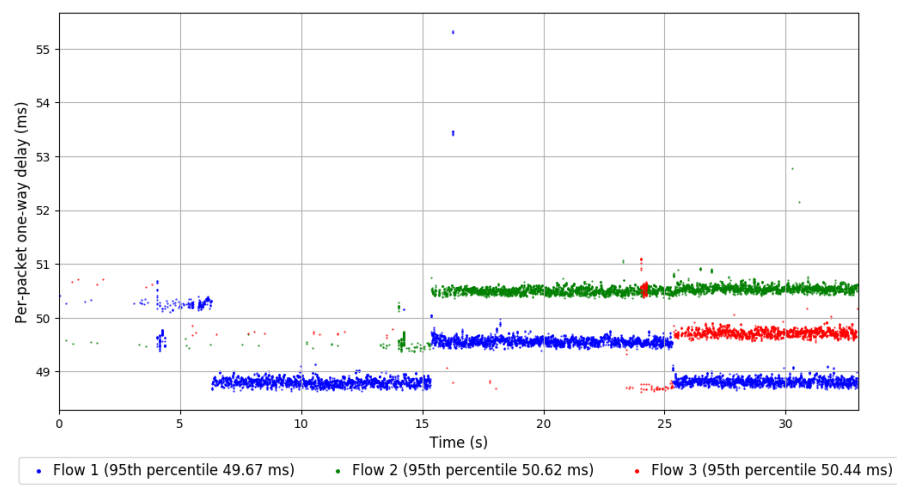
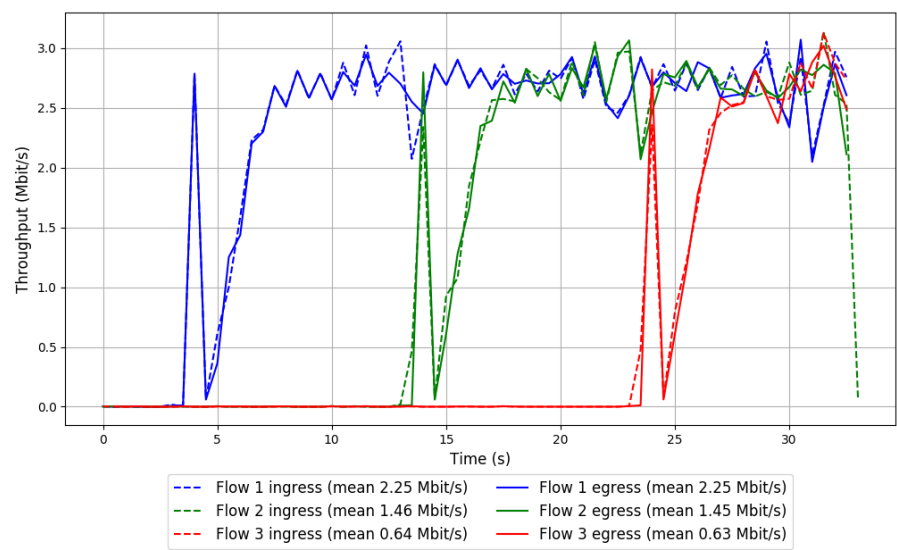
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 50.436 ms

Loss rate: 1.67%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-12-01 03:35:36

End at: 2017-12-01 03:36:06

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 50.961 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 50.987 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 49.959 ms

Loss rate: 0.47%

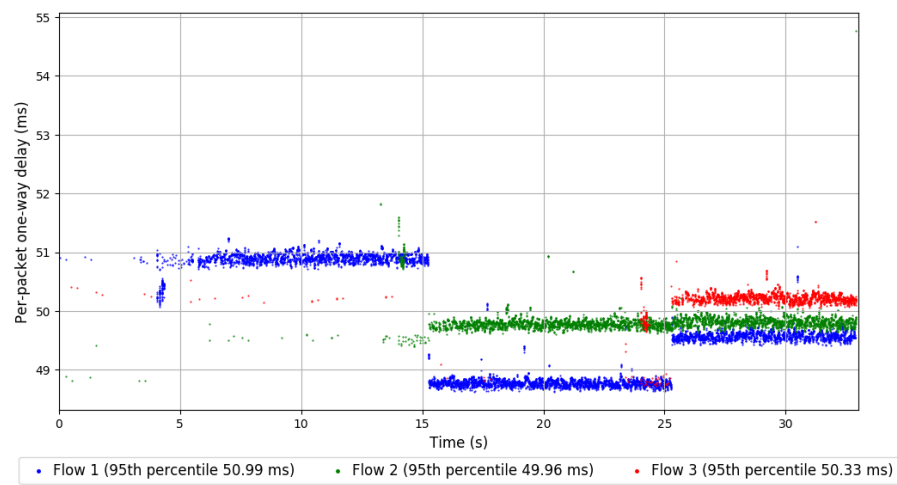
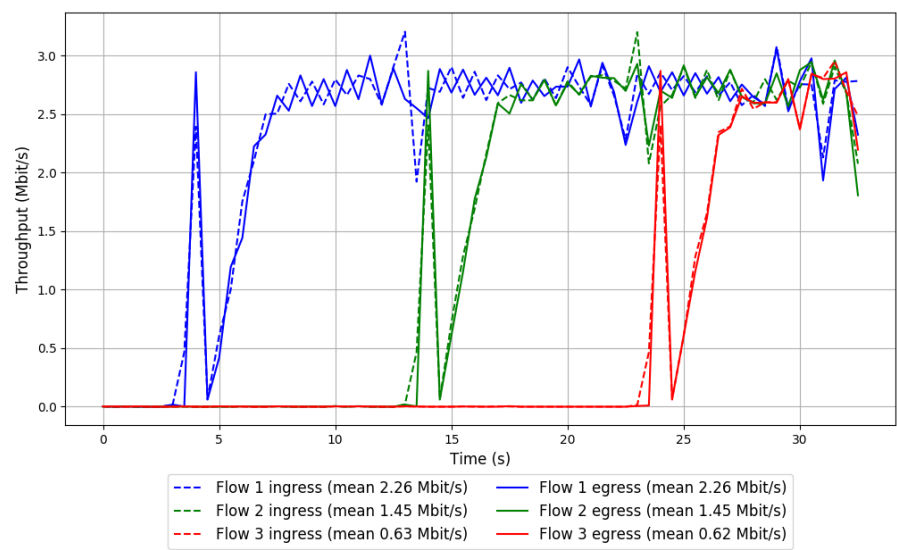
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 50.332 ms

Loss rate: 1.22%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-12-01 03:48:06

End at: 2017-12-01 03:48:36

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 50.784 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 50.757 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 49.774 ms

Loss rate: 0.73%

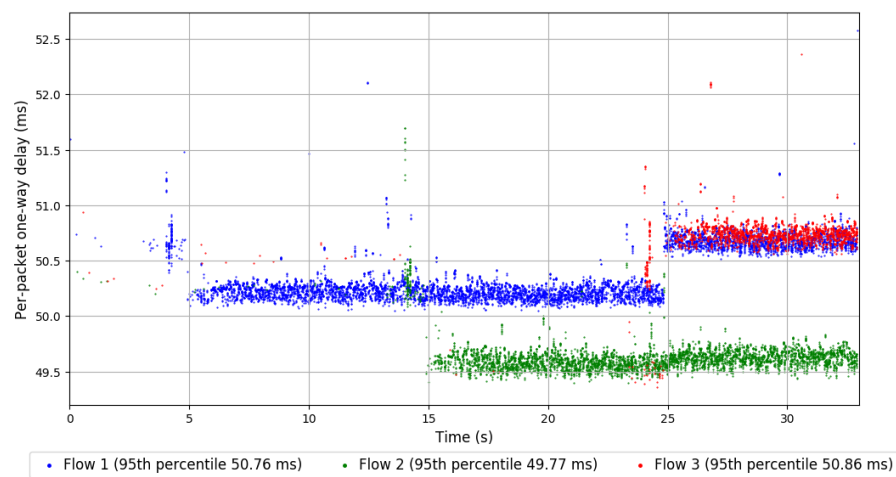
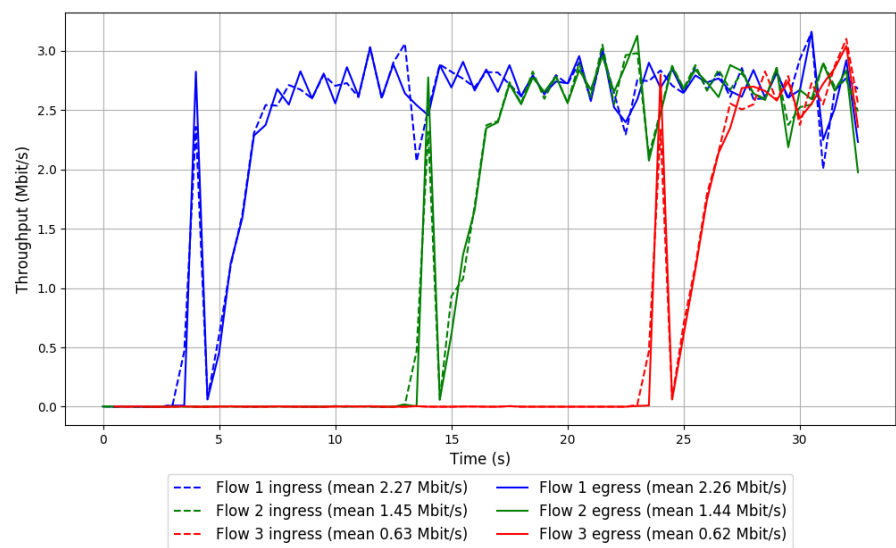
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 50.857 ms

Loss rate: 1.20%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-12-01 04:00:48

End at: 2017-12-01 04:01:18

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 50.620 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 50.653 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 48.957 ms

Loss rate: 0.44%

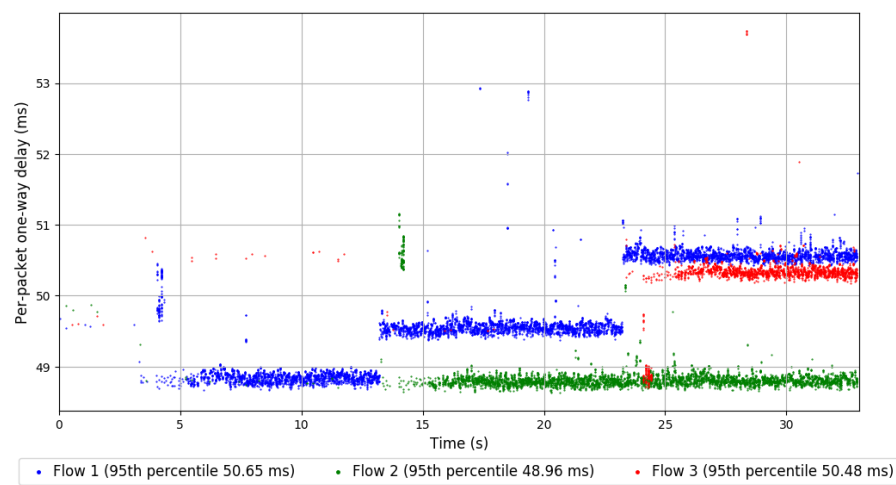
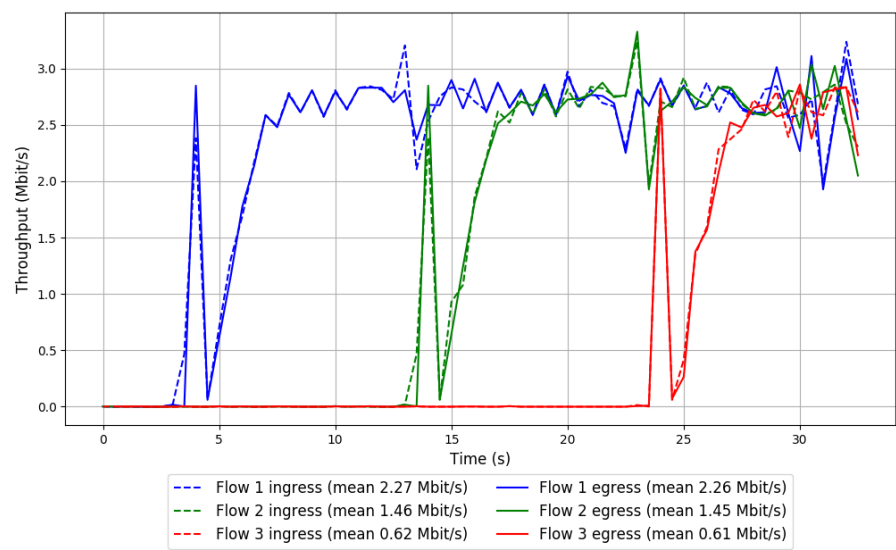
-- Flow 3:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 50.480 ms

Loss rate: 1.52%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-12-01 04:13:25

End at: 2017-12-01 04:13:55

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 50.582 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 50.595 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 50.396 ms

Loss rate: 0.38%

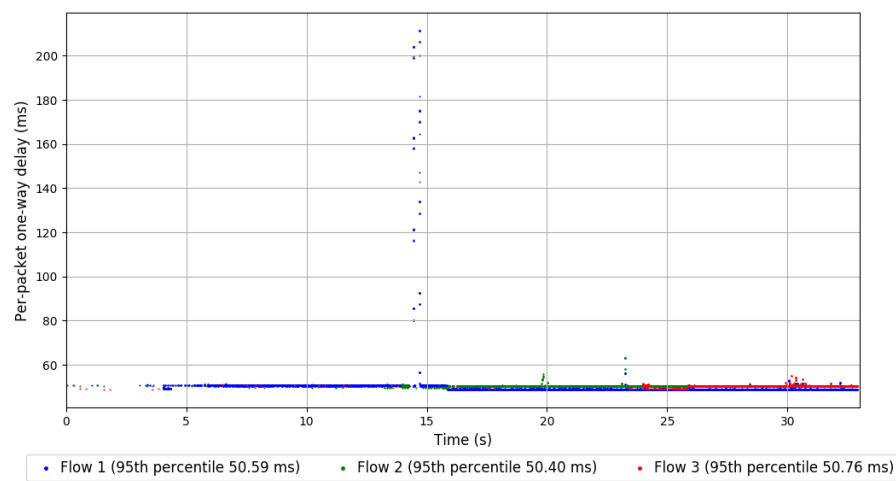
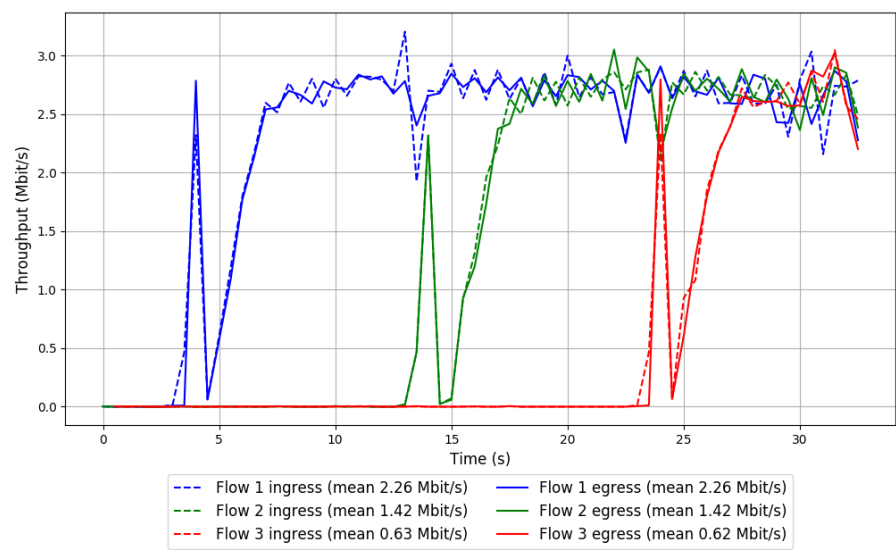
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 50.755 ms

Loss rate: 1.15%

Run 10: Report of WebRTC media — Data Link

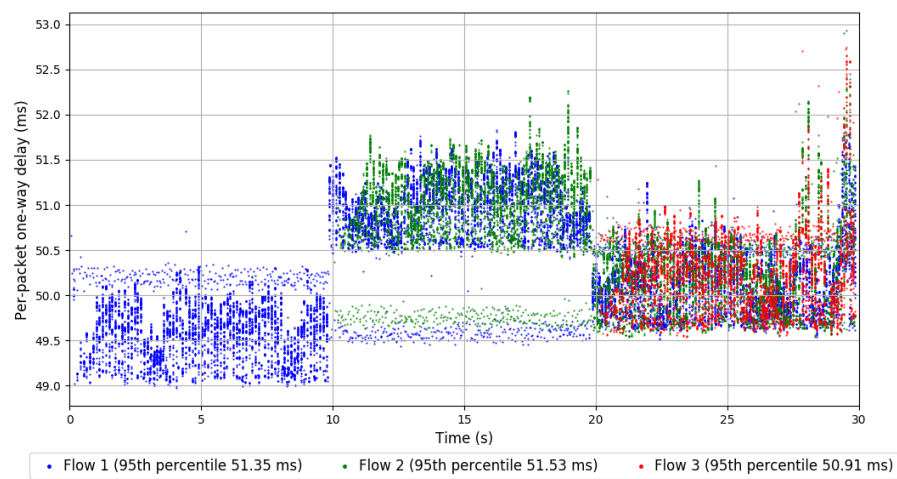
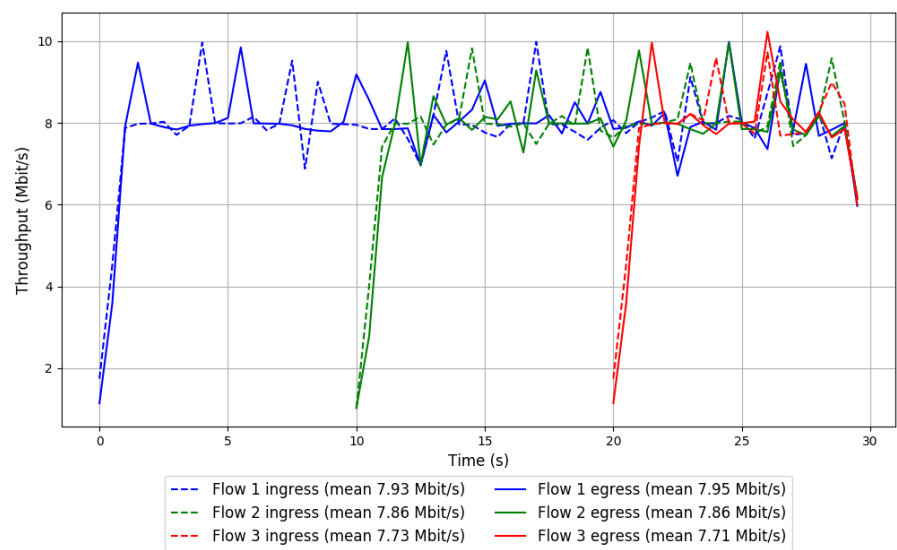


```
Run 1: Statistics of Sprout

Start at: 2017-12-01 02:26:08
End at: 2017-12-01 02:26:38

# Below is generated by plot.py at 2017-12-01 07:04:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 51.417 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 51.351 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 51.528 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 50.905 ms
Loss rate: 1.14%
```

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-12-01 02:38:46

End at: 2017-12-01 02:39:16

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.59 Mbit/s

95th percentile per-packet one-way delay: 51.446 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 51.442 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 51.534 ms

Loss rate: 0.65%

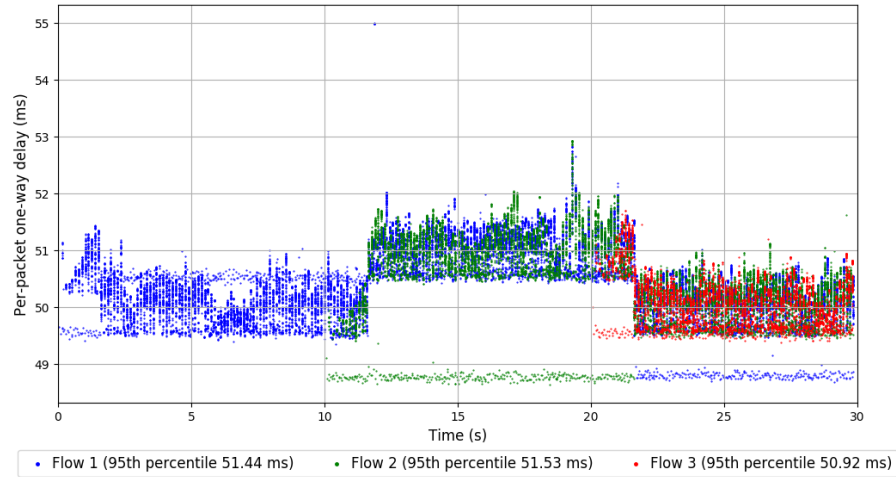
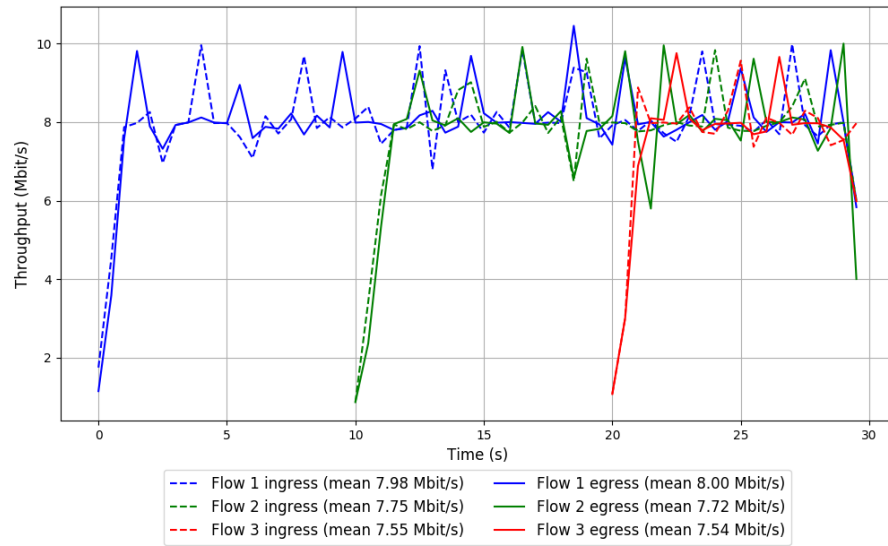
-- Flow 3:

Average throughput: 7.54 Mbit/s

95th percentile per-packet one-way delay: 50.919 ms

Loss rate: 1.33%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-12-01 02:51:30

End at: 2017-12-01 02:52:00

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.61 Mbit/s

95th percentile per-packet one-way delay: 51.722 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 51.612 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 51.809 ms

Loss rate: 0.64%

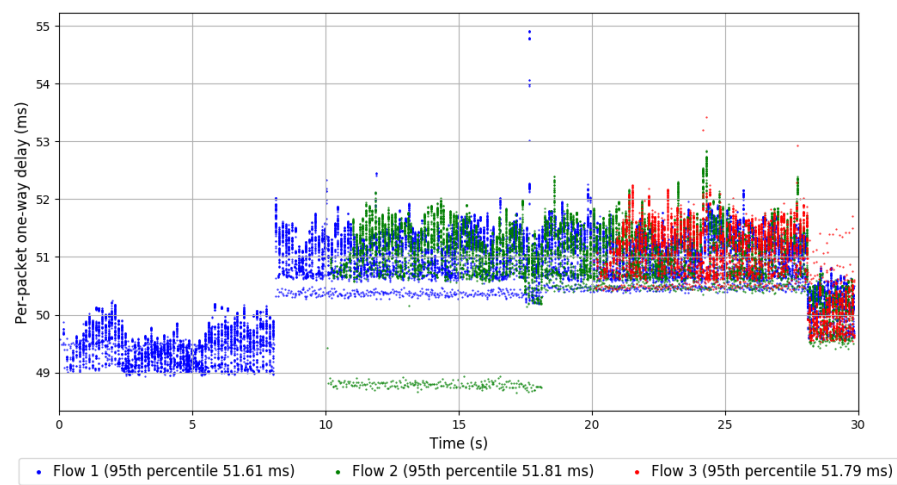
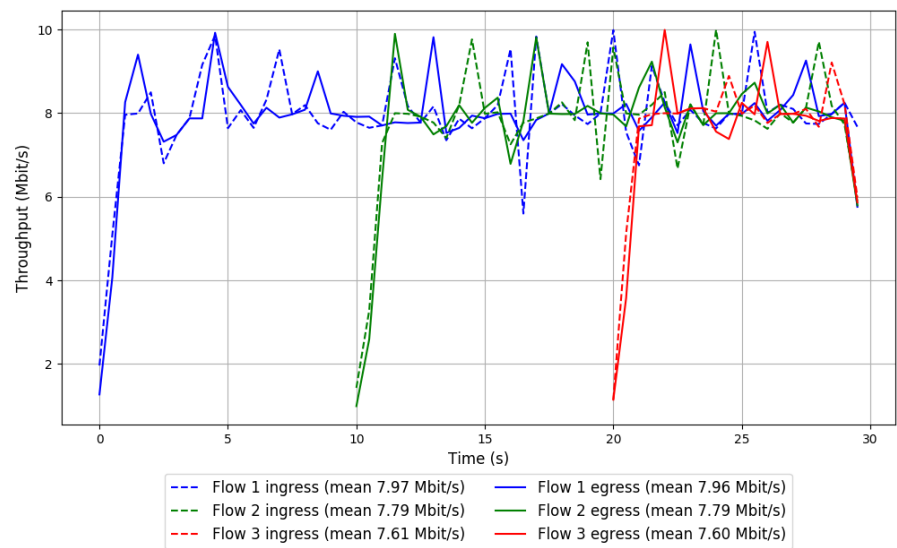
-- Flow 3:

Average throughput: 7.60 Mbit/s

95th percentile per-packet one-way delay: 51.790 ms

Loss rate: 1.21%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2017-12-01 03:04:04

End at: 2017-12-01 03:04:34

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.65 Mbit/s

95th percentile per-packet one-way delay: 51.429 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 51.414 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 51.466 ms

Loss rate: 0.64%

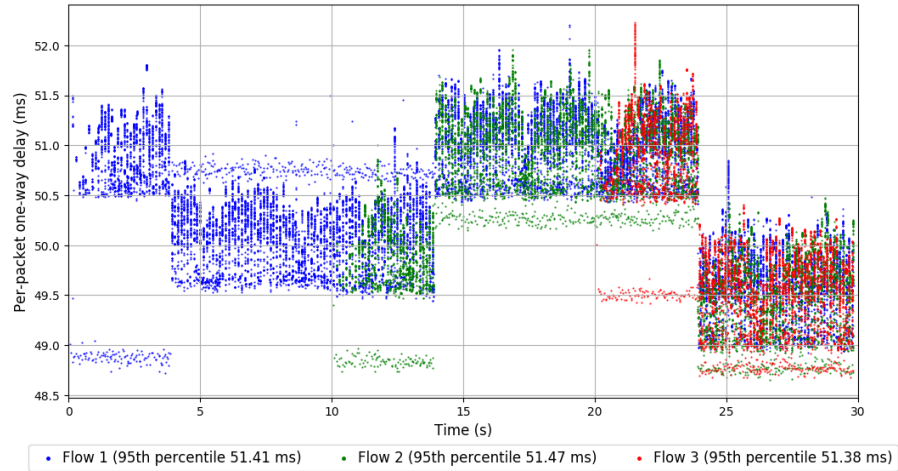
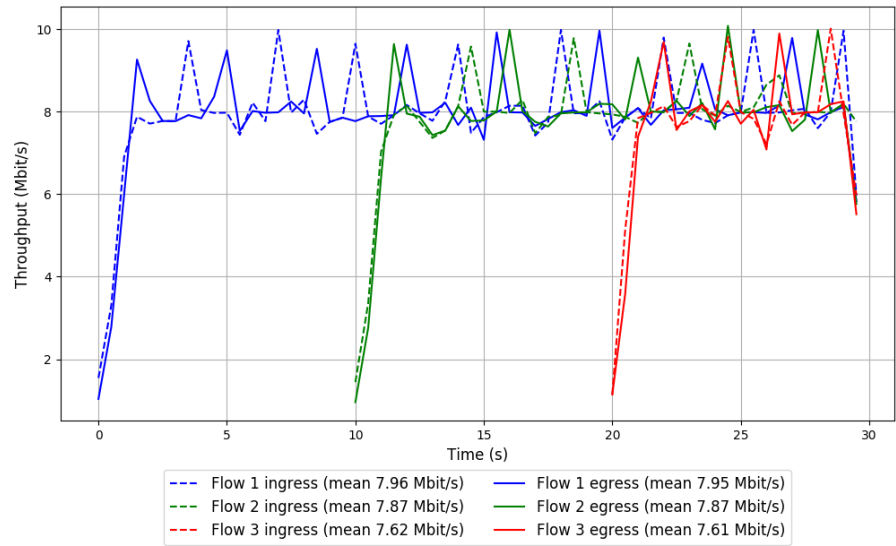
-- Flow 3:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 51.384 ms

Loss rate: 1.33%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-12-01 03:16:37

End at: 2017-12-01 03:17:07

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.76 Mbit/s

95th percentile per-packet one-way delay: 51.484 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 51.496 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 51.539 ms

Loss rate: 0.65%

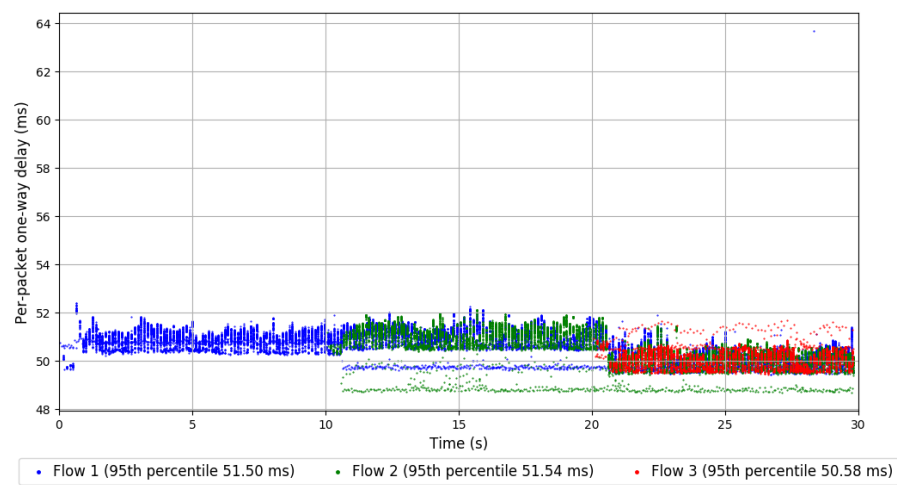
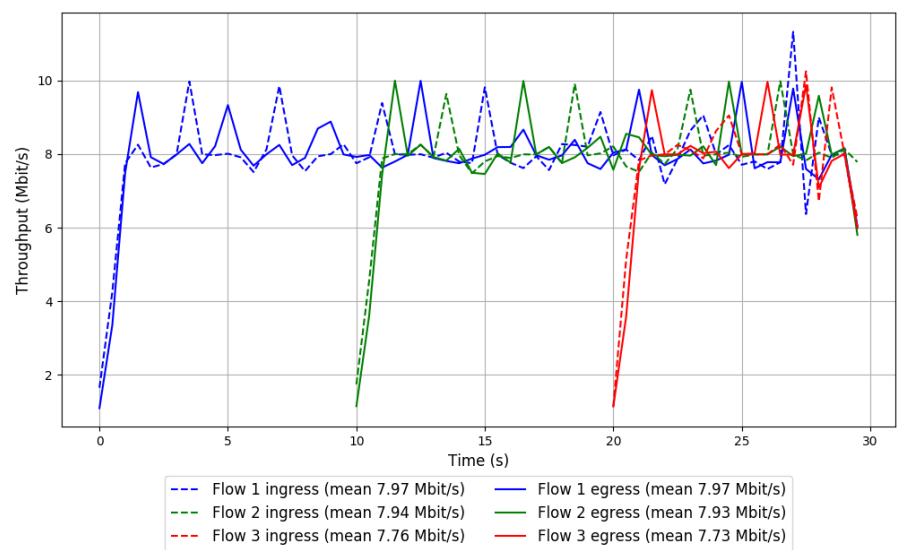
-- Flow 3:

Average throughput: 7.73 Mbit/s

95th percentile per-packet one-way delay: 50.575 ms

Loss rate: 1.48%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-12-01 03:29:14

End at: 2017-12-01 03:29:44

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.49 Mbit/s

95th percentile per-packet one-way delay: 51.689 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 51.552 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 51.691 ms

Loss rate: 0.64%

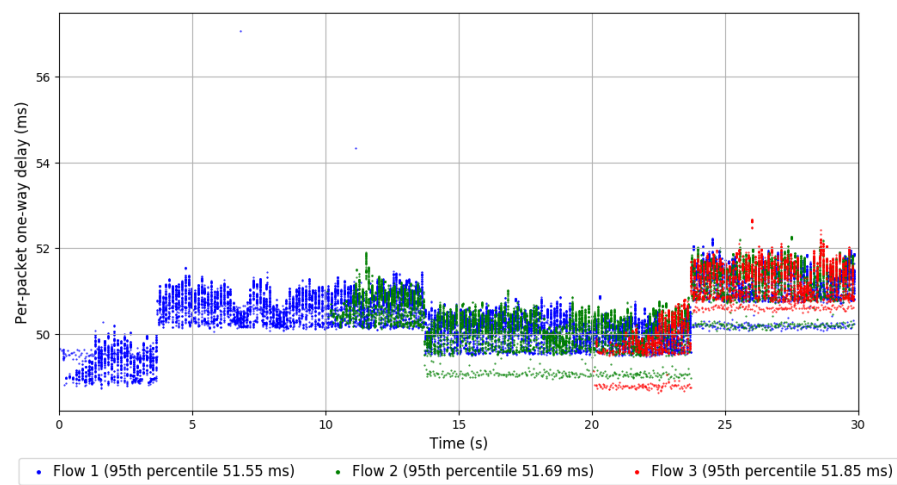
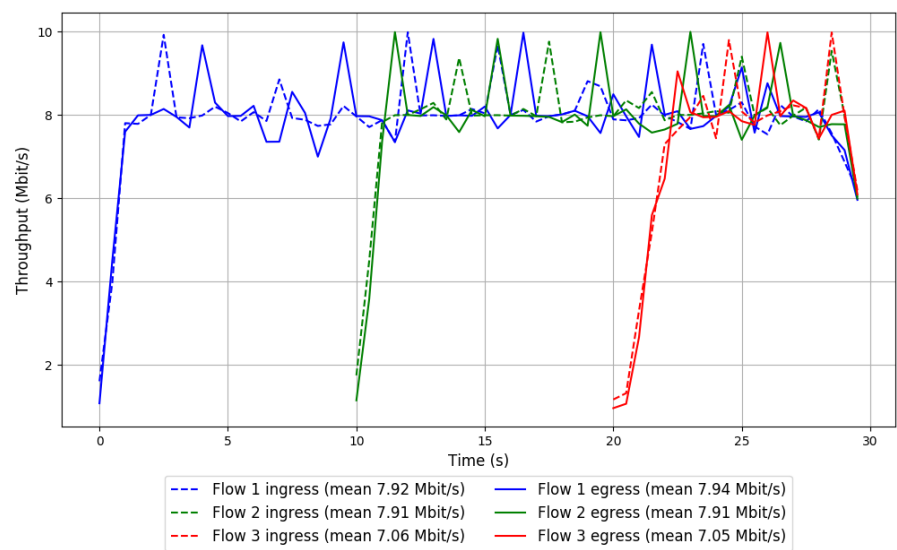
-- Flow 3:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 51.851 ms

Loss rate: 1.39%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-12-01 03:41:39

End at: 2017-12-01 03:42:09

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.66 Mbit/s

95th percentile per-packet one-way delay: 51.661 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 51.639 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 51.763 ms

Loss rate: 0.67%

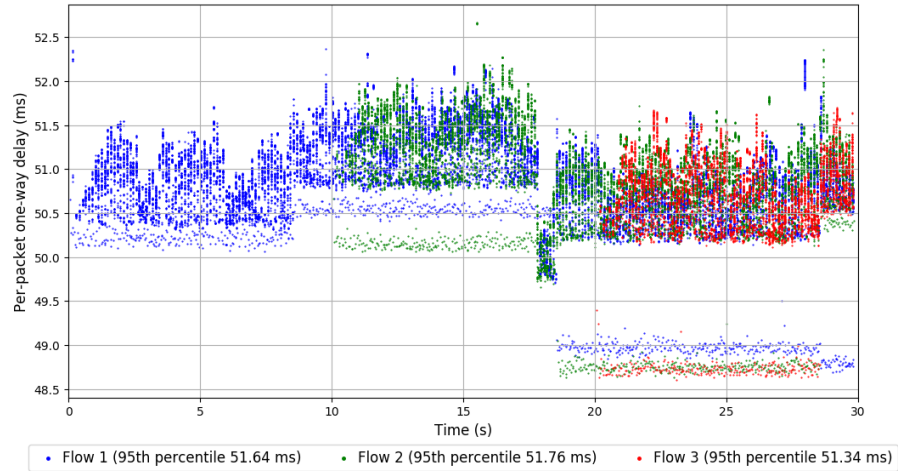
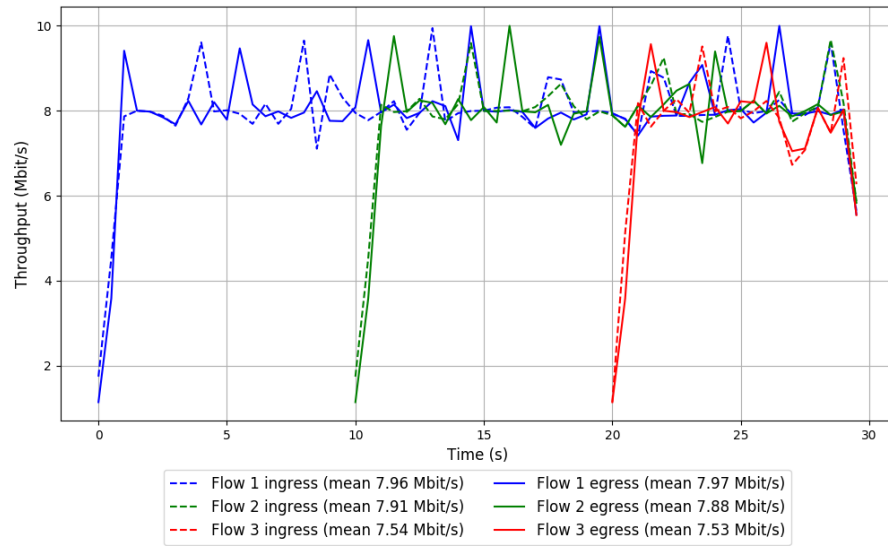
-- Flow 3:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 51.338 ms

Loss rate: 1.31%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-12-01 03:54:17

End at: 2017-12-01 03:54:47

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.73 Mbit/s

95th percentile per-packet one-way delay: 51.254 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 51.339 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 51.199 ms

Loss rate: 0.59%

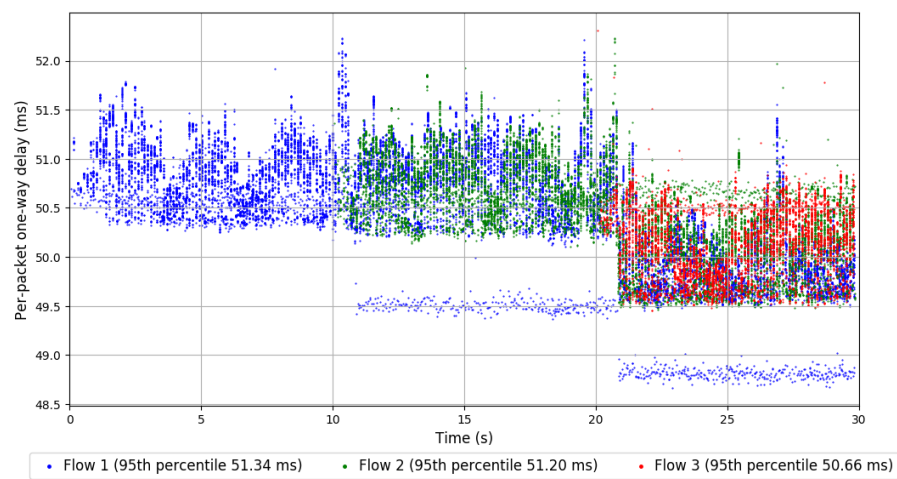
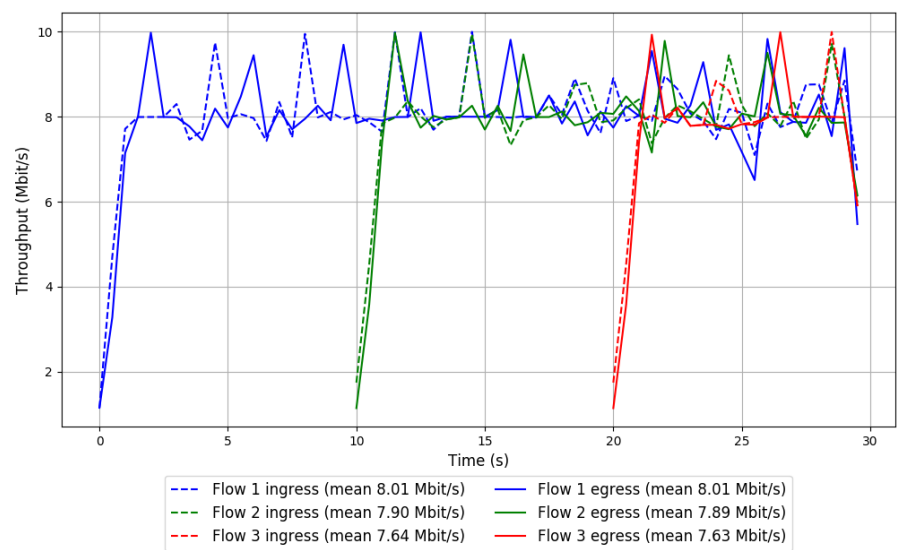
-- Flow 3:

Average throughput: 7.63 Mbit/s

95th percentile per-packet one-way delay: 50.660 ms

Loss rate: 1.31%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-12-01 04:06:58

End at: 2017-12-01 04:07:28

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.40 Mbit/s

95th percentile per-packet one-way delay: 51.489 ms

Loss rate: 1.00%

-- Flow 1:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 51.523 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 51.340 ms

Loss rate: 0.34%

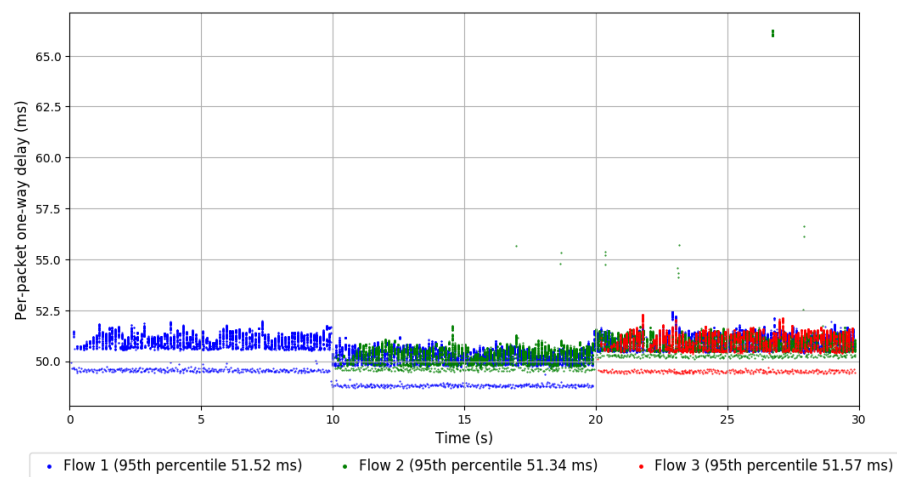
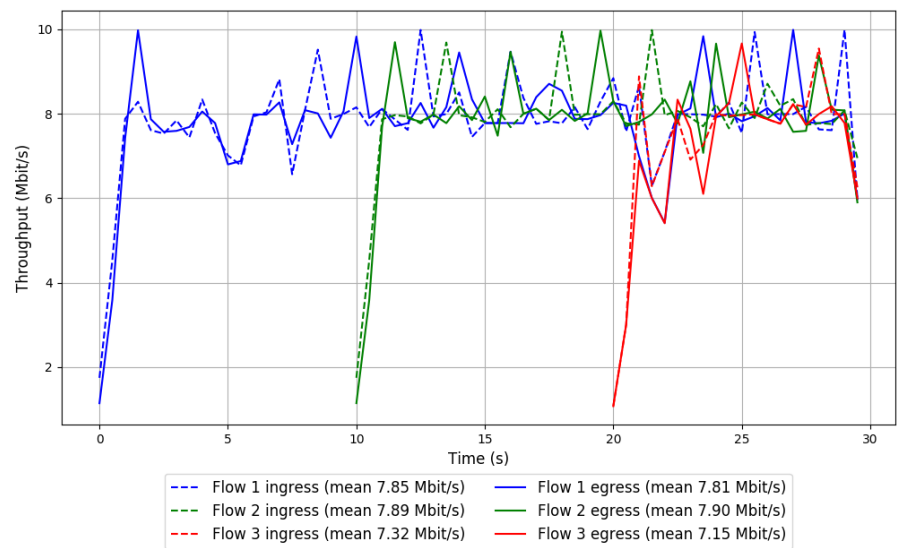
-- Flow 3:

Average throughput: 7.15 Mbit/s

95th percentile per-packet one-way delay: 51.571 ms

Loss rate: 2.95%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-12-01 04:19:29

End at: 2017-12-01 04:19:59

Below is generated by plot.py at 2017-12-01 07:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.69 Mbit/s

95th percentile per-packet one-way delay: 51.424 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 51.516 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 51.257 ms

Loss rate: 0.64%

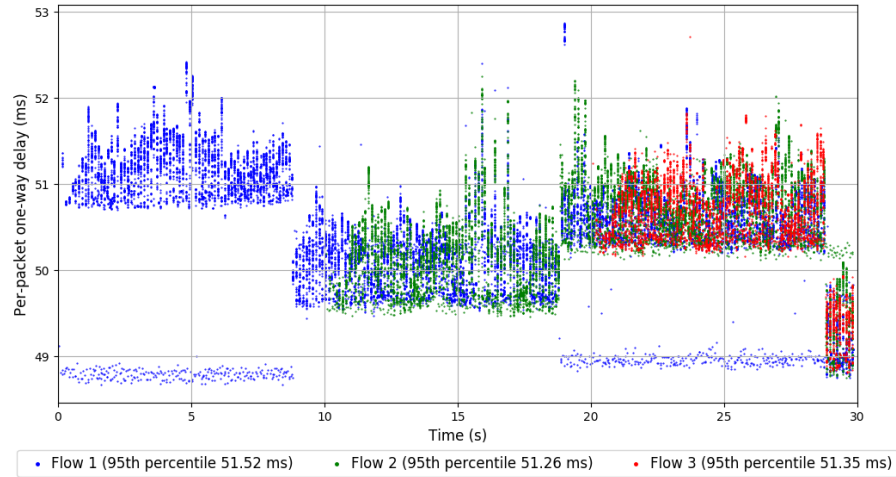
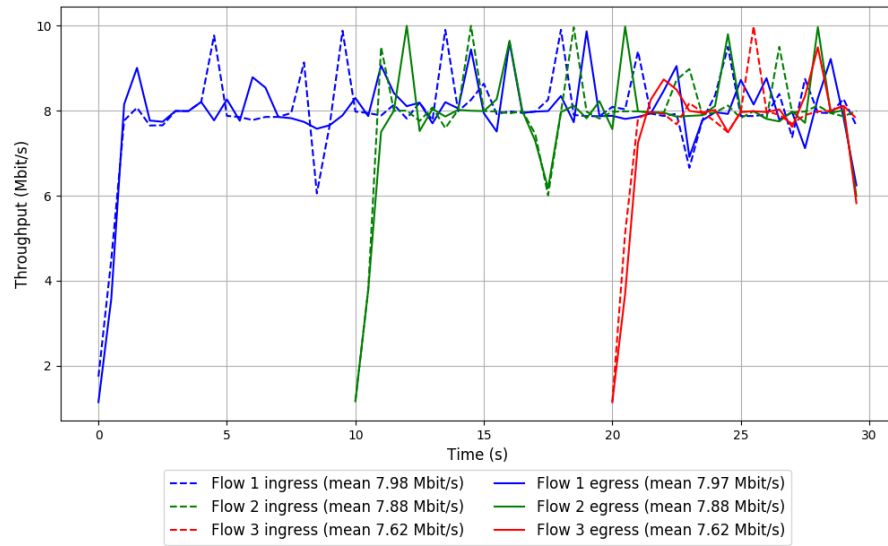
-- Flow 3:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 51.347 ms

Loss rate: 1.33%

Run 10: Report of Sprout — Data Link

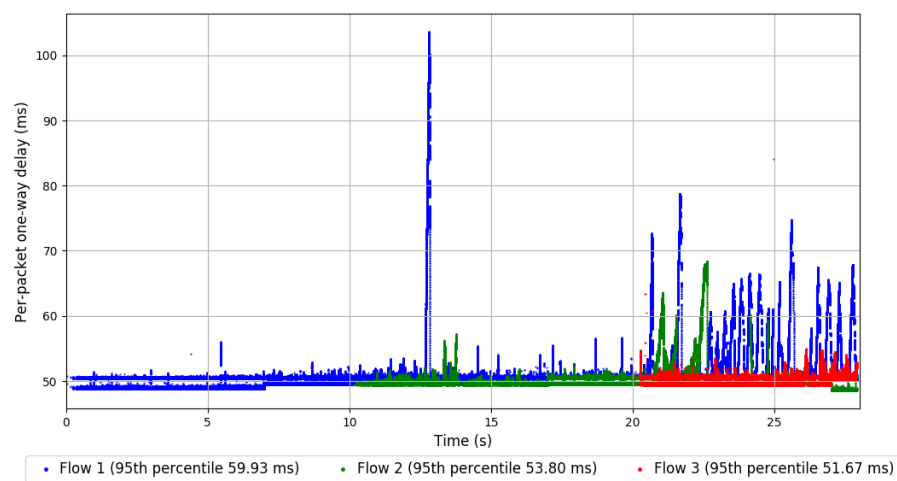
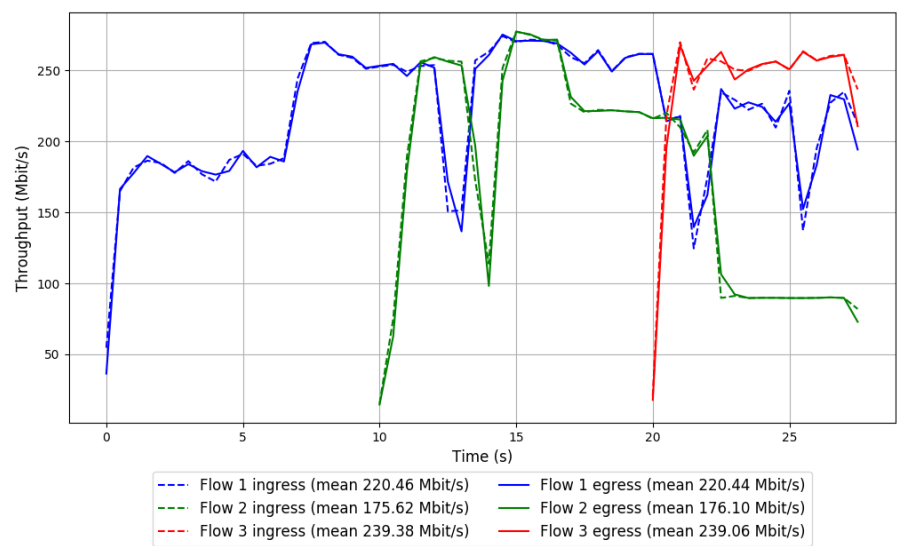


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-01 02:18:49
End at: 2017-12-01 02:19:19

# Below is generated by plot.py at 2017-12-01 07:09:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 400.54 Mbit/s
95th percentile per-packet one-way delay: 56.085 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 220.44 Mbit/s
95th percentile per-packet one-way delay: 59.932 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 176.10 Mbit/s
95th percentile per-packet one-way delay: 53.800 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 239.06 Mbit/s
95th percentile per-packet one-way delay: 51.667 ms
Loss rate: 1.39%
```


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

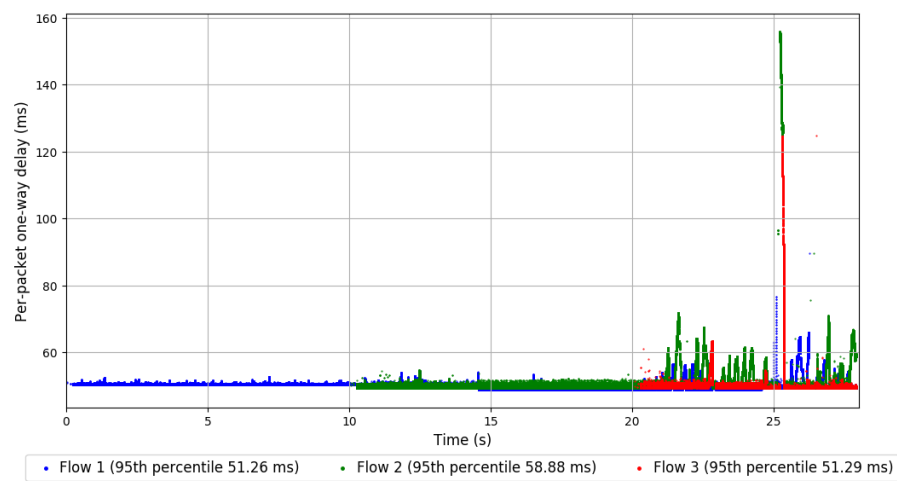
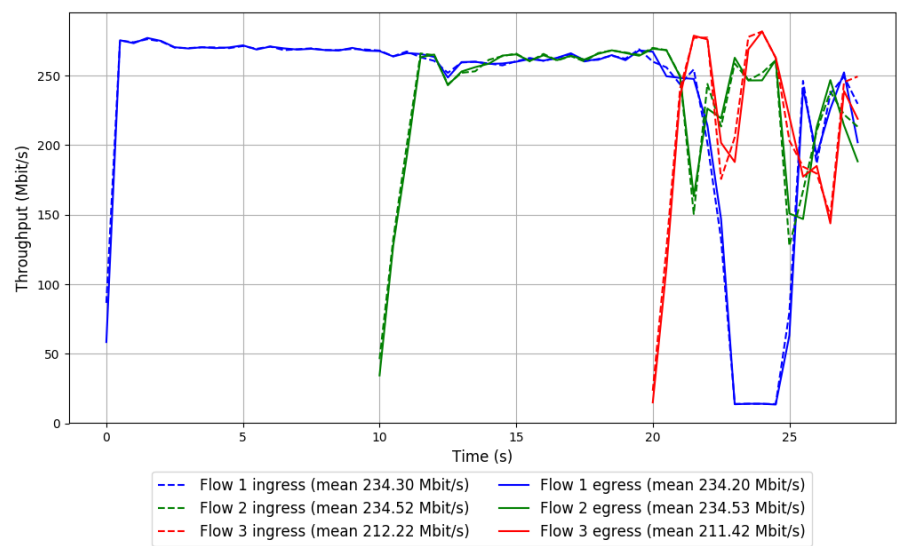


```
Run 2: Statistics of TaoVA-100x

Start at: 2017-12-01 02:31:21
End at: 2017-12-01 02:31:51

# Below is generated by plot.py at 2017-12-01 07:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 443.79 Mbit/s
95th percentile per-packet one-way delay: 53.912 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 234.20 Mbit/s
95th percentile per-packet one-way delay: 51.258 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 234.53 Mbit/s
95th percentile per-packet one-way delay: 58.875 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 211.42 Mbit/s
95th percentile per-packet one-way delay: 51.286 ms
Loss rate: 1.64%
```

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

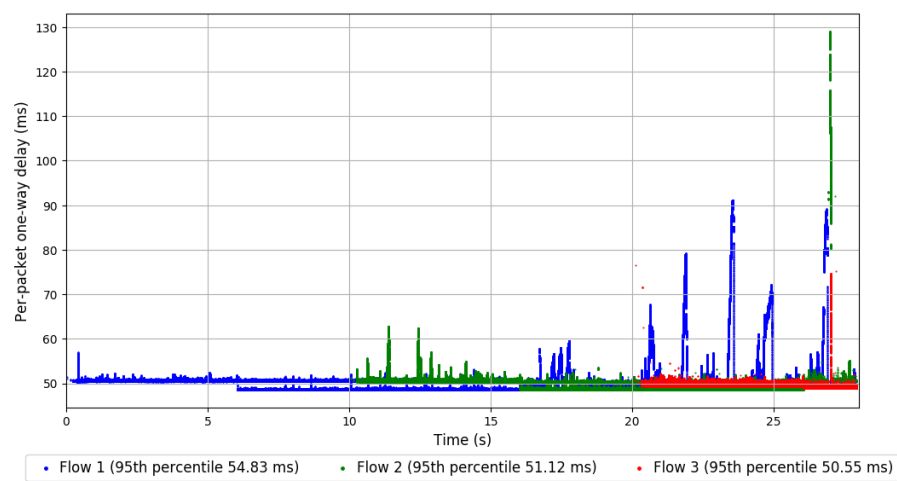
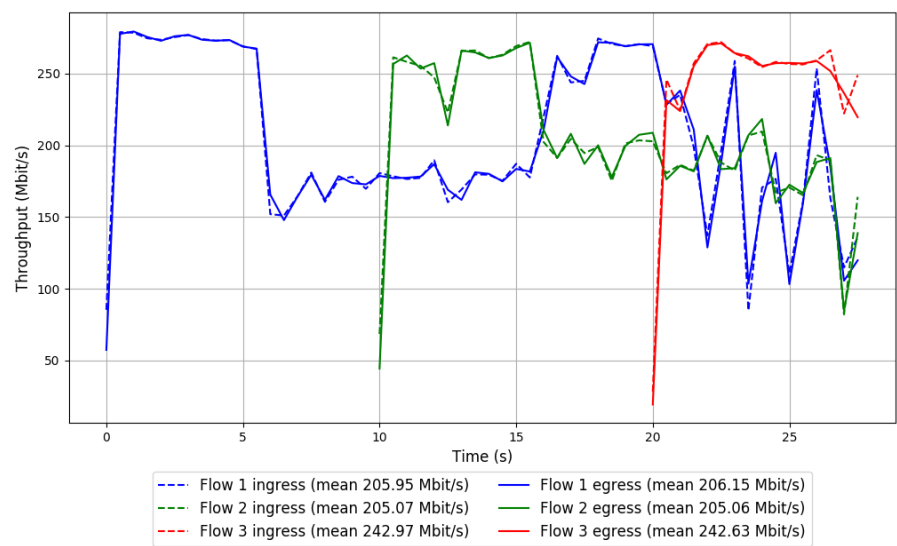


```
Run 3: Statistics of TaoVA-100x

Start at: 2017-12-01 02:44:00
End at: 2017-12-01 02:44:30

# Below is generated by plot.py at 2017-12-01 07:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 405.58 Mbit/s
95th percentile per-packet one-way delay: 51.800 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 206.15 Mbit/s
95th percentile per-packet one-way delay: 54.831 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 205.06 Mbit/s
95th percentile per-packet one-way delay: 51.116 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 242.63 Mbit/s
95th percentile per-packet one-way delay: 50.553 ms
Loss rate: 1.41%
```

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

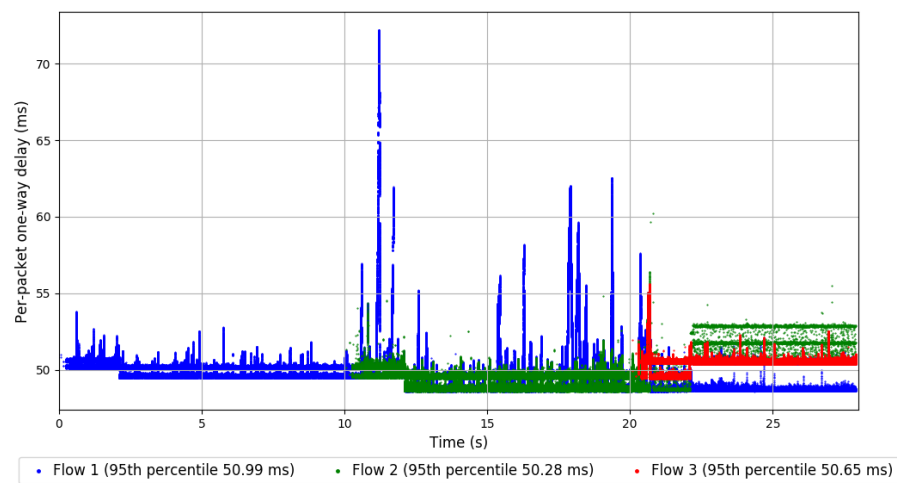
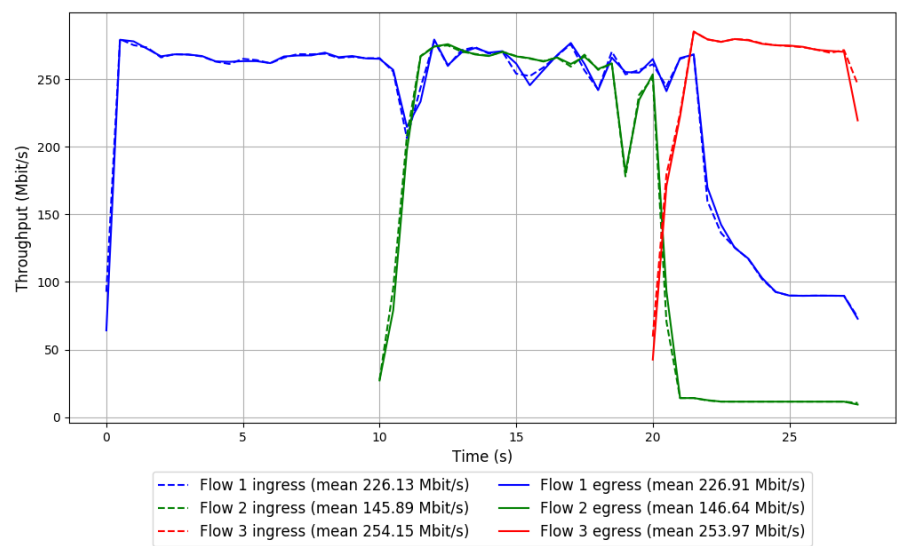


```
Run 4: Statistics of TaoVA-100x

Start at: 2017-12-01 02:56:44
End at: 2017-12-01 02:57:14

# Below is generated by plot.py at 2017-12-01 07:10:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 392.08 Mbit/s
95th percentile per-packet one-way delay: 50.653 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 226.91 Mbit/s
95th percentile per-packet one-way delay: 50.994 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 146.64 Mbit/s
95th percentile per-packet one-way delay: 50.277 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 253.97 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 1.36%
```

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-12-01 03:09:16

End at: 2017-12-01 03:09:46

Below is generated by plot.py at 2017-12-01 07:10:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 435.55 Mbit/s

95th percentile per-packet one-way delay: 53.173 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 229.18 Mbit/s

95th percentile per-packet one-way delay: 53.539 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 243.20 Mbit/s

95th percentile per-packet one-way delay: 50.688 ms

Loss rate: 0.62%

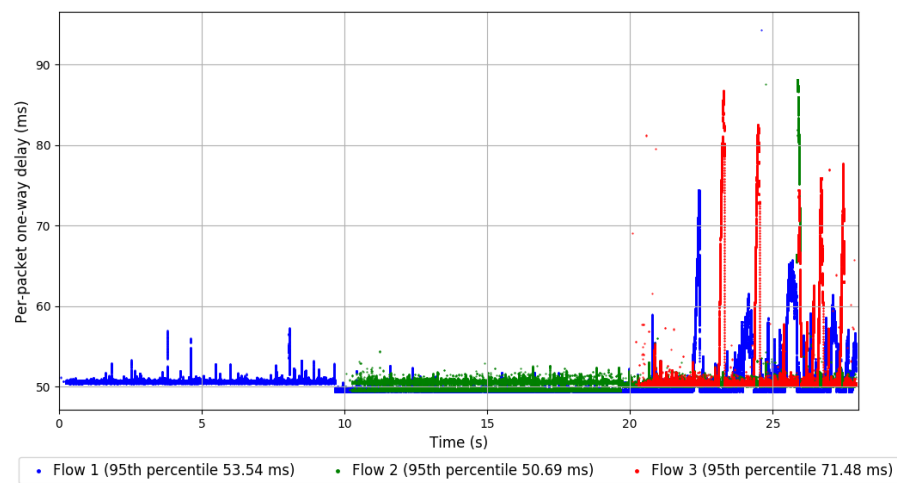
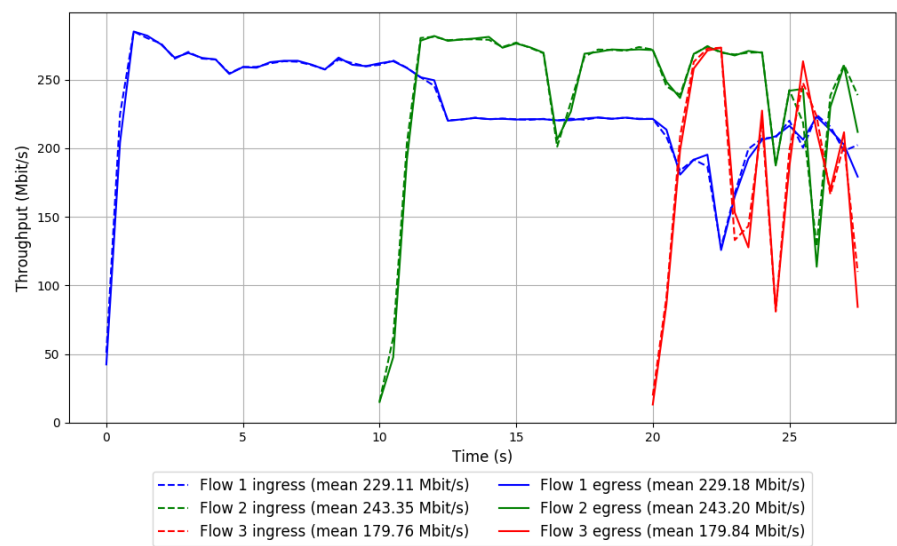
-- Flow 3:

Average throughput: 179.84 Mbit/s

95th percentile per-packet one-way delay: 71.485 ms

Loss rate: 1.22%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-12-01 03:21:50

End at: 2017-12-01 03:22:20

Below is generated by plot.py at 2017-12-01 07:10:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 404.39 Mbit/s

95th percentile per-packet one-way delay: 52.821 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 197.25 Mbit/s

95th percentile per-packet one-way delay: 50.590 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 232.36 Mbit/s

95th percentile per-packet one-way delay: 51.112 ms

Loss rate: 0.38%

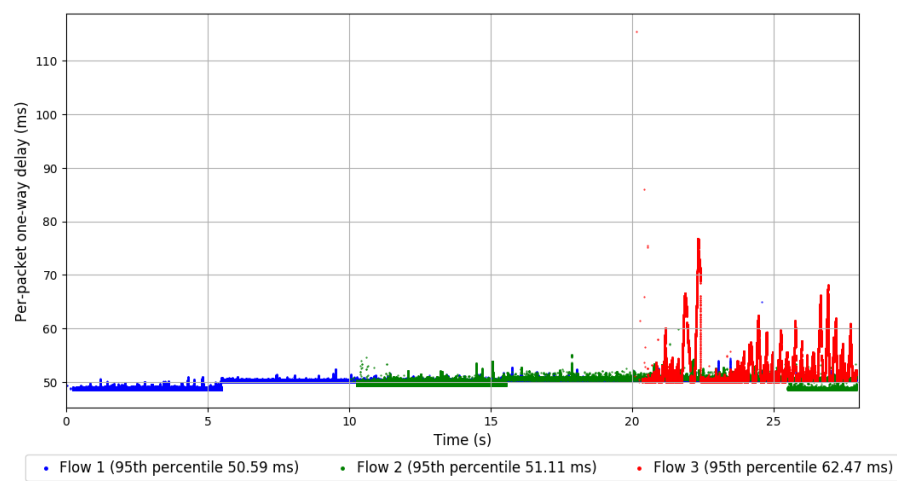
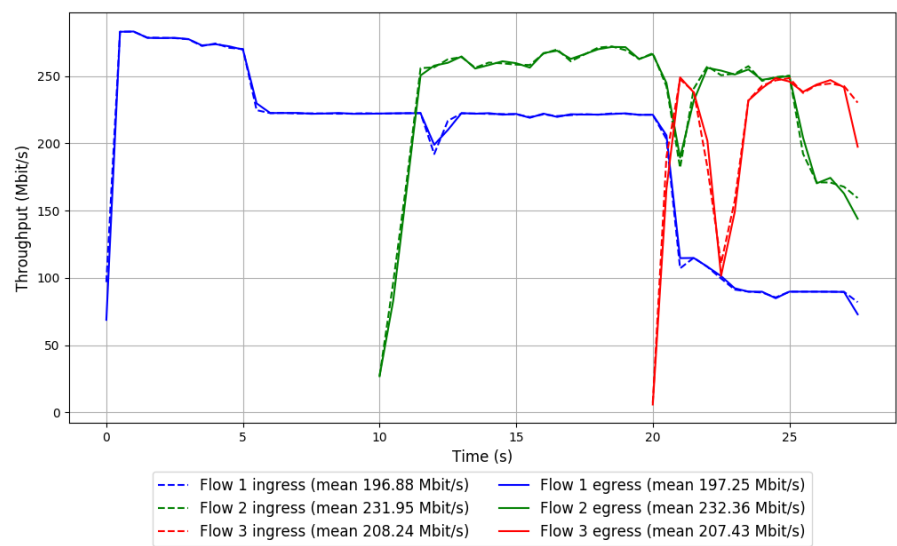
-- Flow 3:

Average throughput: 207.43 Mbit/s

95th percentile per-packet one-way delay: 62.474 ms

Loss rate: 1.66%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-12-01 03:34:23

End at: 2017-12-01 03:34:53

Below is generated by plot.py at 2017-12-01 07:15:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.41 Mbit/s

95th percentile per-packet one-way delay: 51.472 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 153.39 Mbit/s

95th percentile per-packet one-way delay: 50.868 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 248.82 Mbit/s

95th percentile per-packet one-way delay: 51.671 ms

Loss rate: 0.64%

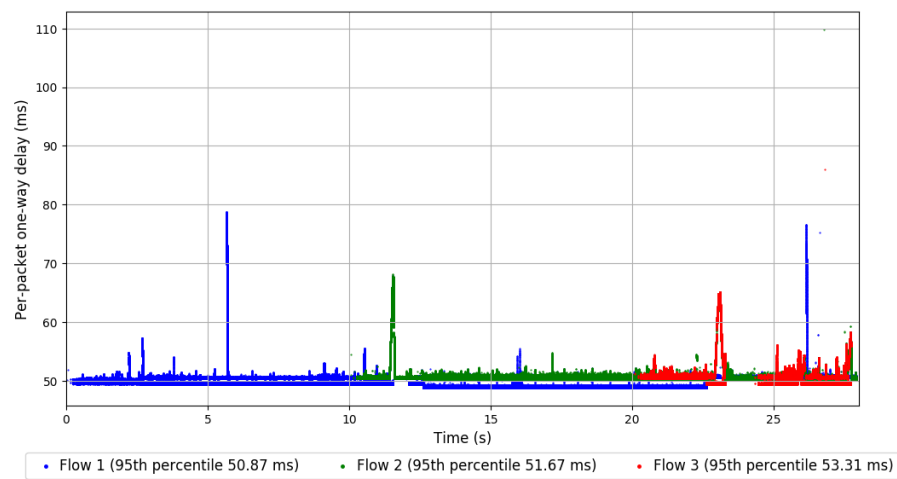
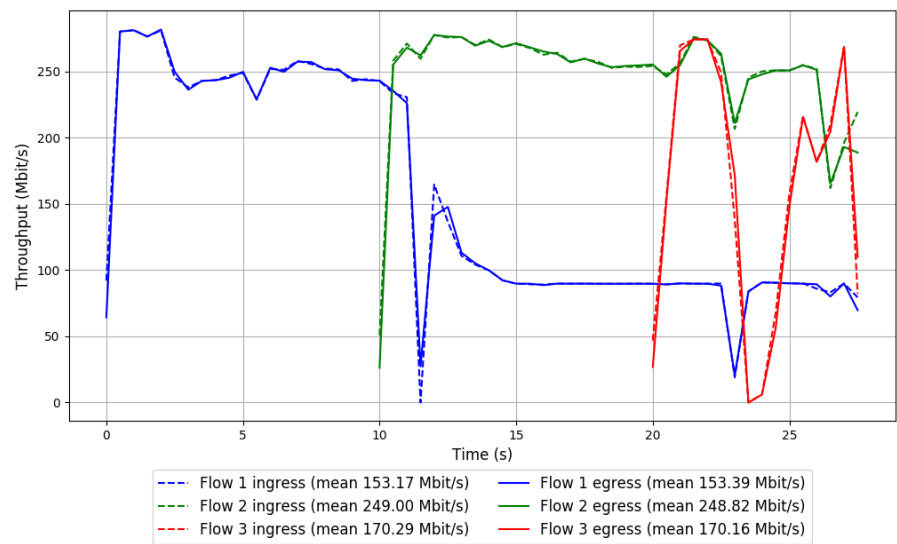
-- Flow 3:

Average throughput: 170.16 Mbit/s

95th percentile per-packet one-way delay: 53.306 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-12-01 03:46:52

End at: 2017-12-01 03:47:22

Below is generated by plot.py at 2017-12-01 07:17:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.40 Mbit/s

95th percentile per-packet one-way delay: 52.498 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 215.11 Mbit/s

95th percentile per-packet one-way delay: 51.109 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 192.10 Mbit/s

95th percentile per-packet one-way delay: 51.045 ms

Loss rate: 0.62%

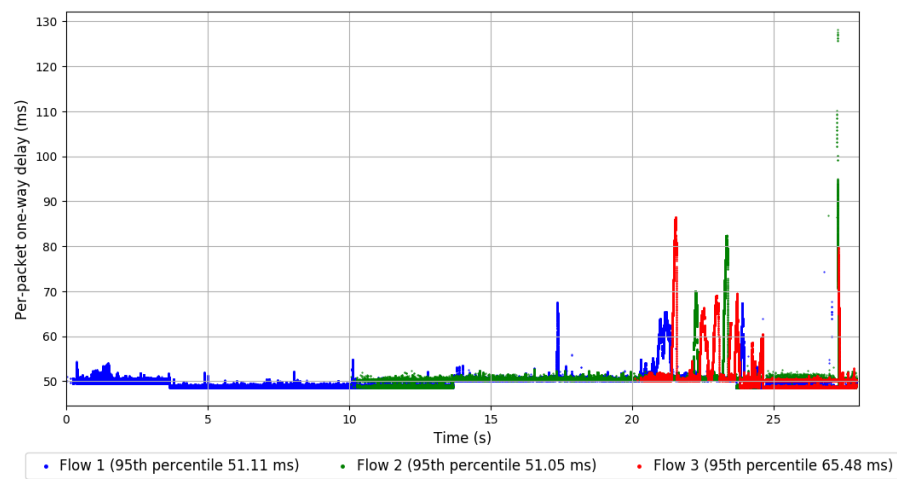
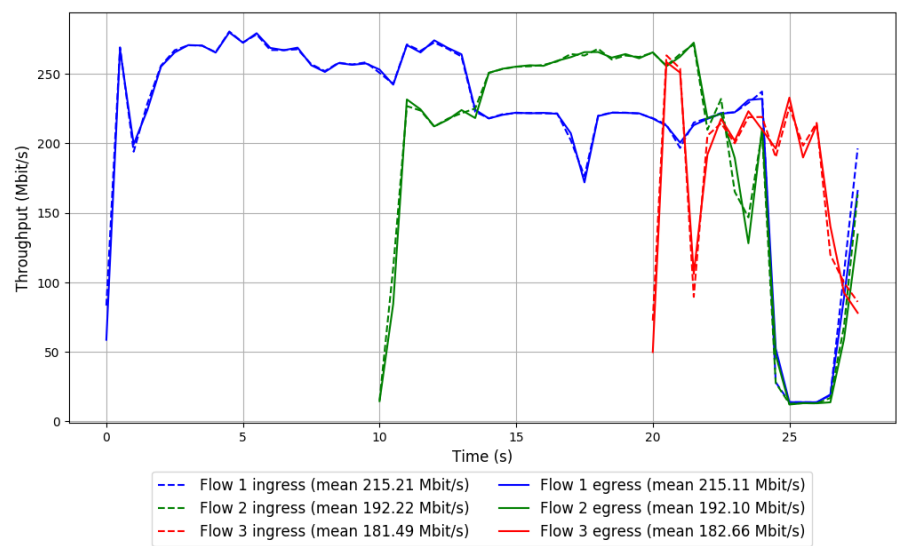
-- Flow 3:

Average throughput: 182.66 Mbit/s

95th percentile per-packet one-way delay: 65.481 ms

Loss rate: 0.65%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-12-01 03:59:28

End at: 2017-12-01 03:59:58

Below is generated by plot.py at 2017-12-01 07:22:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 452.75 Mbit/s

95th percentile per-packet one-way delay: 55.075 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 258.14 Mbit/s

95th percentile per-packet one-way delay: 55.003 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 201.69 Mbit/s

95th percentile per-packet one-way delay: 56.021 ms

Loss rate: 0.18%

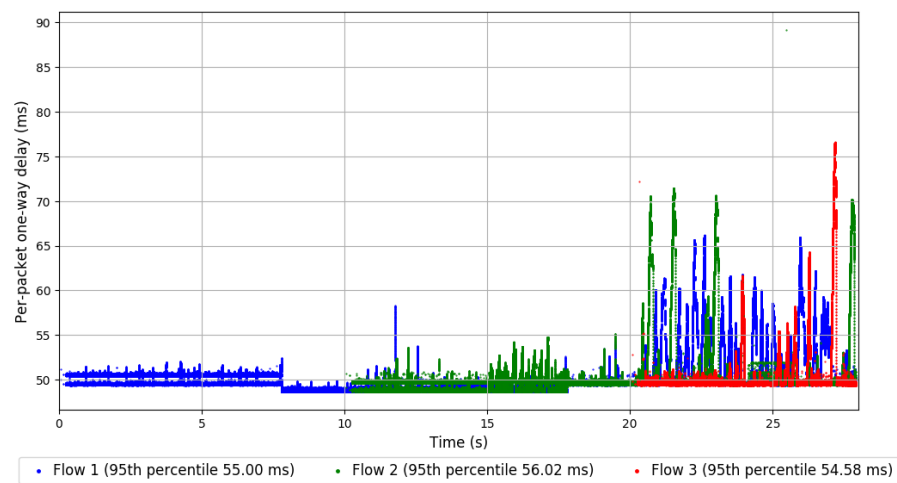
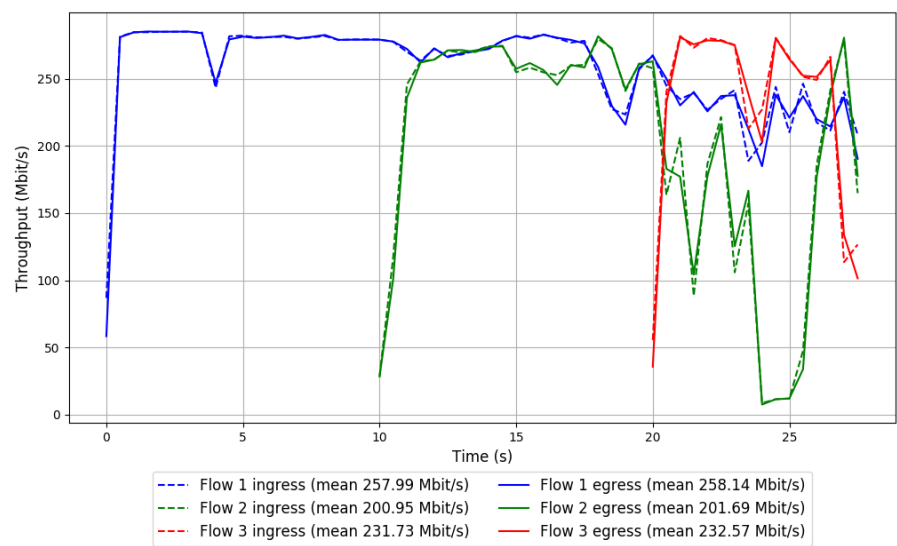
-- Flow 3:

Average throughput: 232.57 Mbit/s

95th percentile per-packet one-way delay: 54.581 ms

Loss rate: 0.89%

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

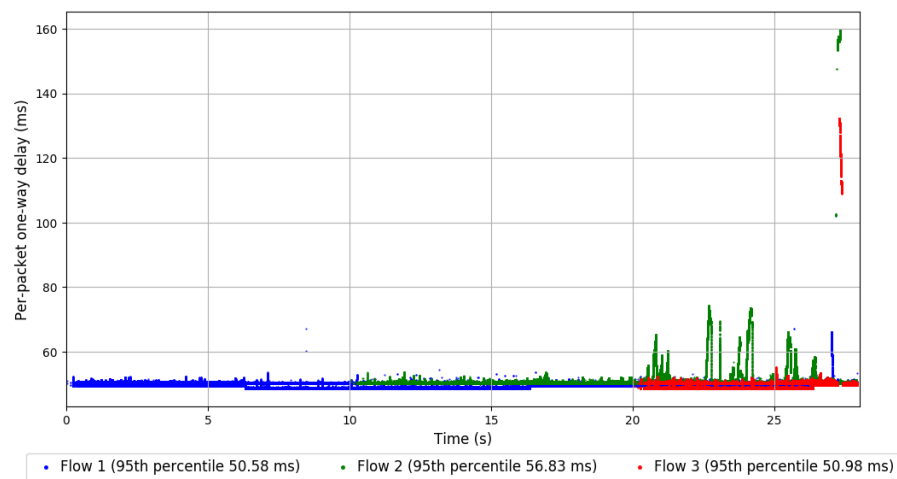
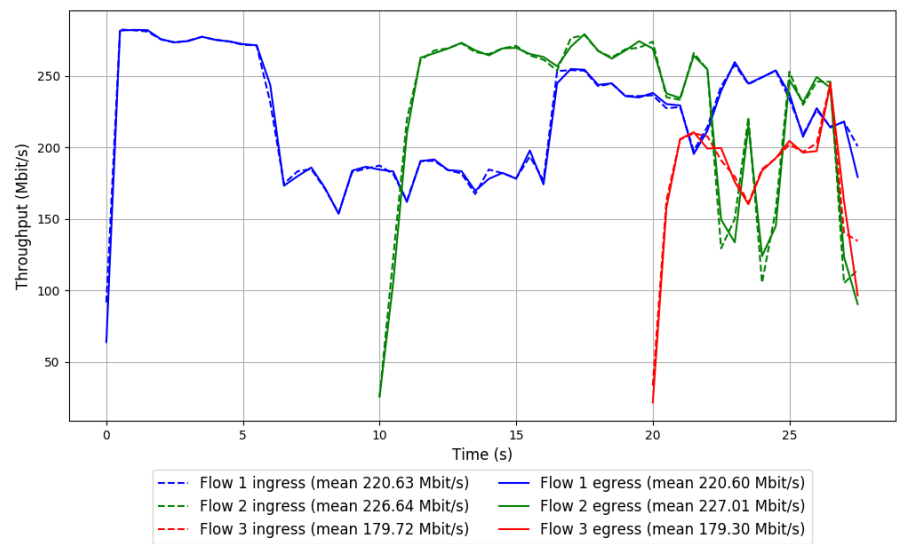


```
Run 10: Statistics of TaoVA-100x

Start at: 2017-12-01 04:12:10
End at: 2017-12-01 04:12:40

# Below is generated by plot.py at 2017-12-01 07:22:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 416.43 Mbit/s
95th percentile per-packet one-way delay: 51.308 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 220.60 Mbit/s
95th percentile per-packet one-way delay: 50.581 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 227.01 Mbit/s
95th percentile per-packet one-way delay: 56.827 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 179.30 Mbit/s
95th percentile per-packet one-way delay: 50.977 ms
Loss rate: 1.48%
```

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



Run 1: Statistics of TCP Vegas

Start at: 2017-12-01 02:21:28

End at: 2017-12-01 02:21:58

Below is generated by plot.py at 2017-12-01 07:22:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.52 Mbit/s

95th percentile per-packet one-way delay: 55.064 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 47.00 Mbit/s

95th percentile per-packet one-way delay: 51.526 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 57.91 Mbit/s

95th percentile per-packet one-way delay: 52.171 ms

Loss rate: 0.62%

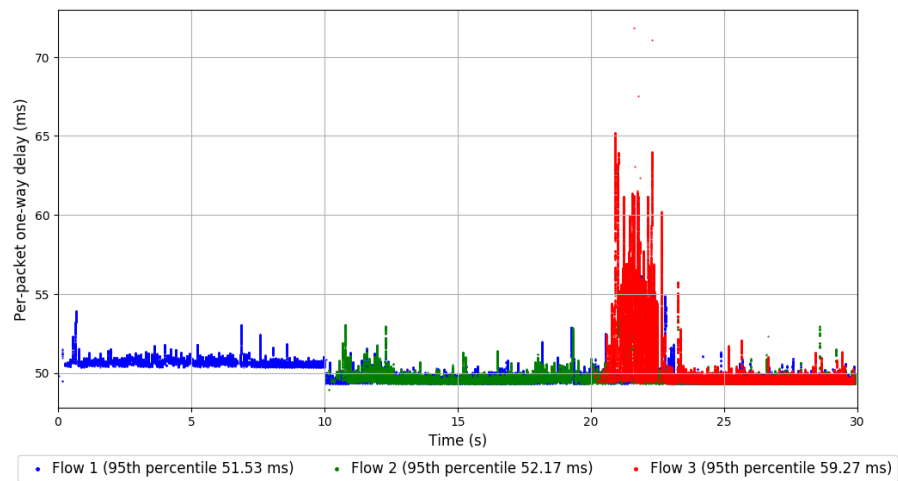
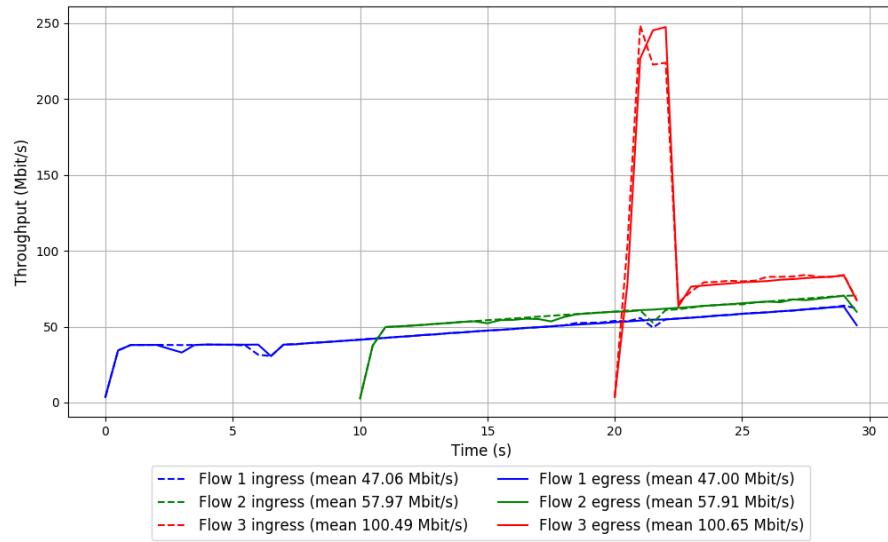
-- Flow 3:

Average throughput: 100.65 Mbit/s

95th percentile per-packet one-way delay: 59.270 ms

Loss rate: 0.85%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-12-01 02:34:04

End at: 2017-12-01 02:34:34

Below is generated by plot.py at 2017-12-01 07:22:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.92 Mbit/s

95th percentile per-packet one-way delay: 51.238 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 154.75 Mbit/s

95th percentile per-packet one-way delay: 51.267 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 19.91 Mbit/s

95th percentile per-packet one-way delay: 50.958 ms

Loss rate: 0.39%

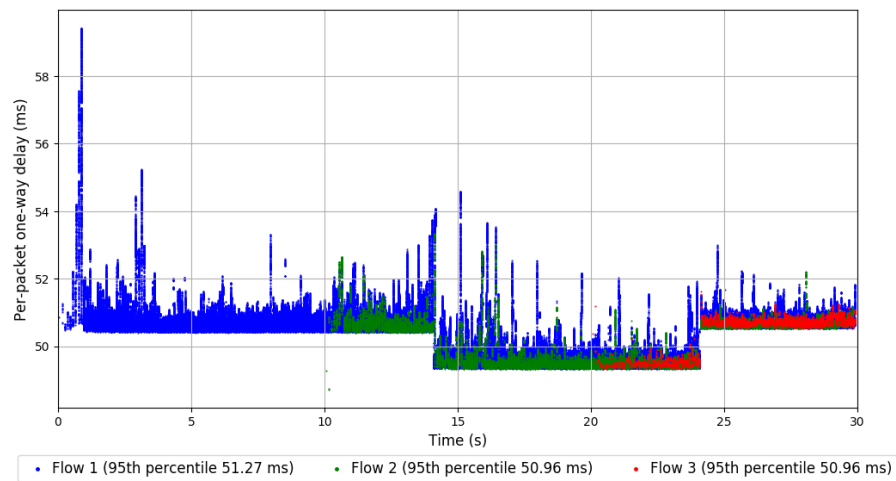
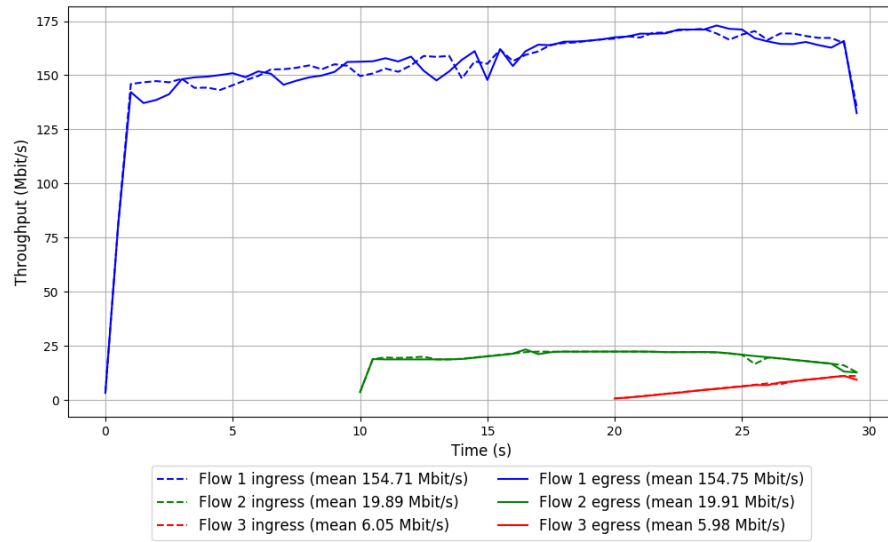
-- Flow 3:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 50.964 ms

Loss rate: 2.10%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-12-01 02:46:38

End at: 2017-12-01 02:47:08

Below is generated by plot.py at 2017-12-01 07:22:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 173.95 Mbit/s

95th percentile per-packet one-way delay: 52.151 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 78.84 Mbit/s

95th percentile per-packet one-way delay: 51.904 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 59.95 Mbit/s

95th percentile per-packet one-way delay: 56.210 ms

Loss rate: 0.56%

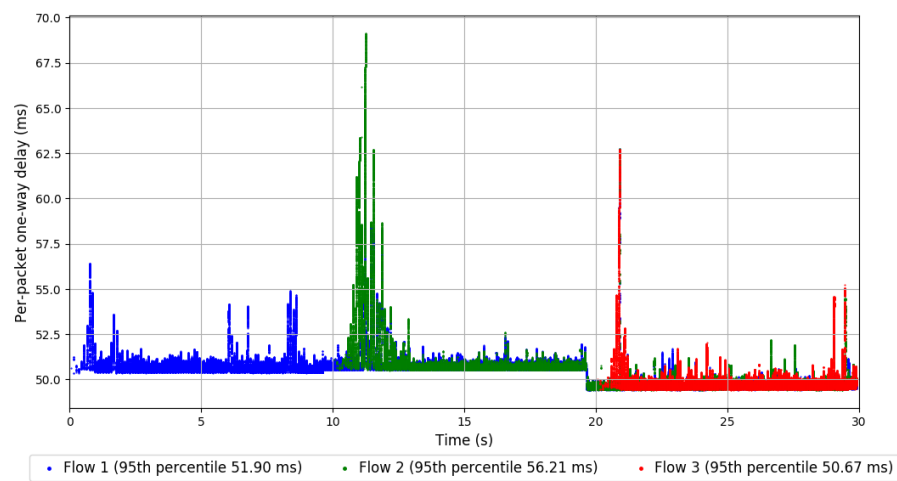
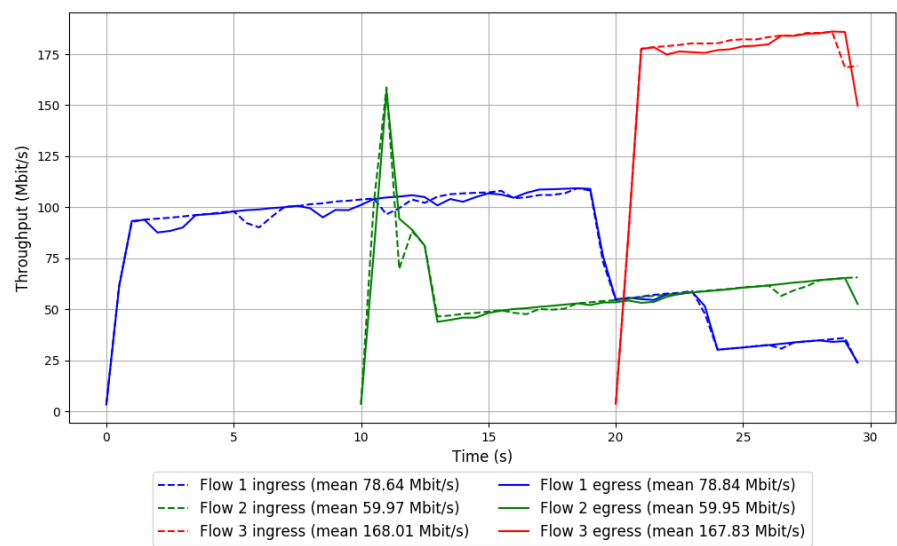
-- Flow 3:

Average throughput: 167.83 Mbit/s

95th percentile per-packet one-way delay: 50.669 ms

Loss rate: 1.12%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-12-01 02:59:22

End at: 2017-12-01 02:59:52

Below is generated by plot.py at 2017-12-01 07:22:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.93 Mbit/s

95th percentile per-packet one-way delay: 51.399 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 89.61 Mbit/s

95th percentile per-packet one-way delay: 51.431 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 50.40 Mbit/s

95th percentile per-packet one-way delay: 51.129 ms

Loss rate: 0.58%

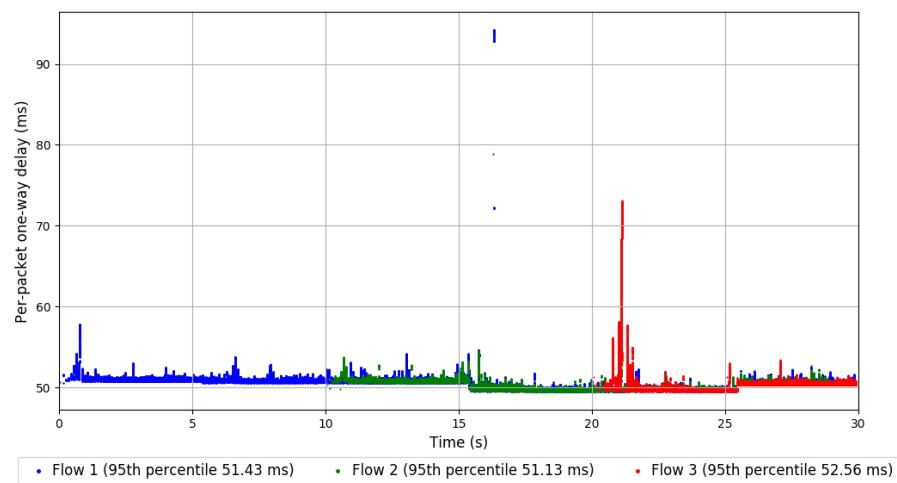
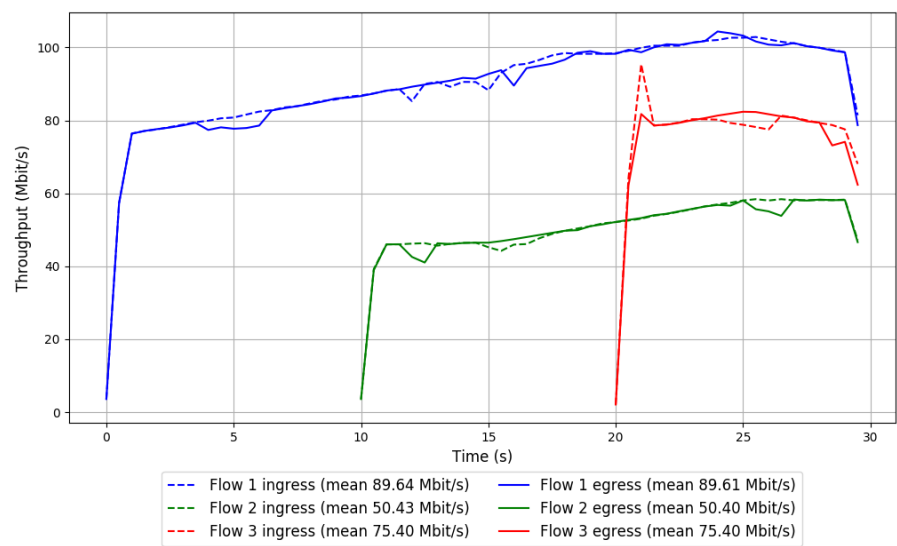
-- Flow 3:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 52.560 ms

Loss rate: 1.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-12-01 03:11:59

End at: 2017-12-01 03:12:29

Below is generated by plot.py at 2017-12-01 07:22:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 156.96 Mbit/s

95th percentile per-packet one-way delay: 51.809 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 51.482 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 109.04 Mbit/s

95th percentile per-packet one-way delay: 51.633 ms

Loss rate: 0.23%

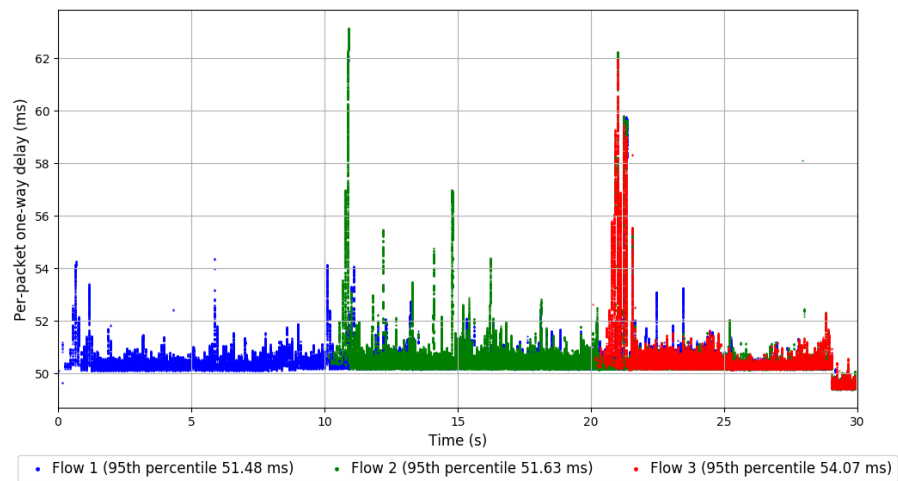
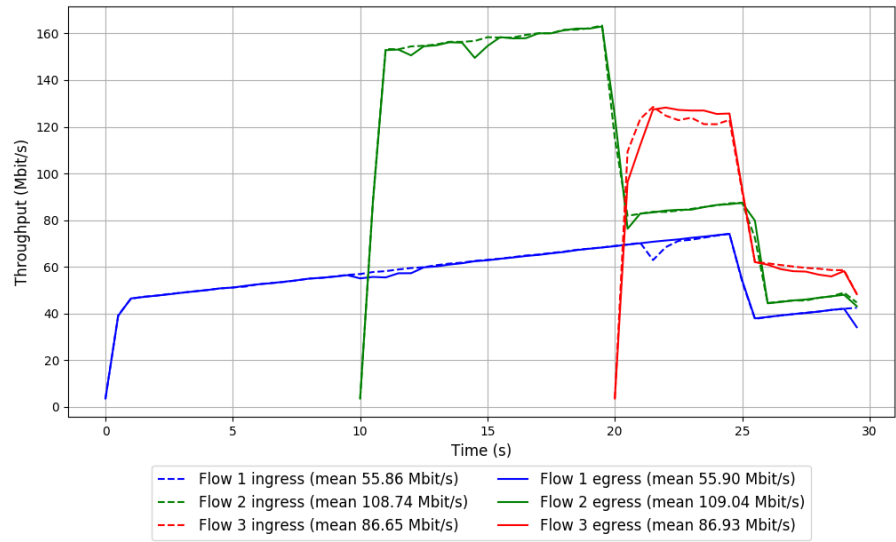
-- Flow 3:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 54.072 ms

Loss rate: 0.69%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-12-01 03:24:30

End at: 2017-12-01 03:25:00

Below is generated by plot.py at 2017-12-01 07:22:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 150.50 Mbit/s

95th percentile per-packet one-way delay: 51.777 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 19.61 Mbit/s

95th percentile per-packet one-way delay: 51.274 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 127.74 Mbit/s

95th percentile per-packet one-way delay: 52.620 ms

Loss rate: 0.41%

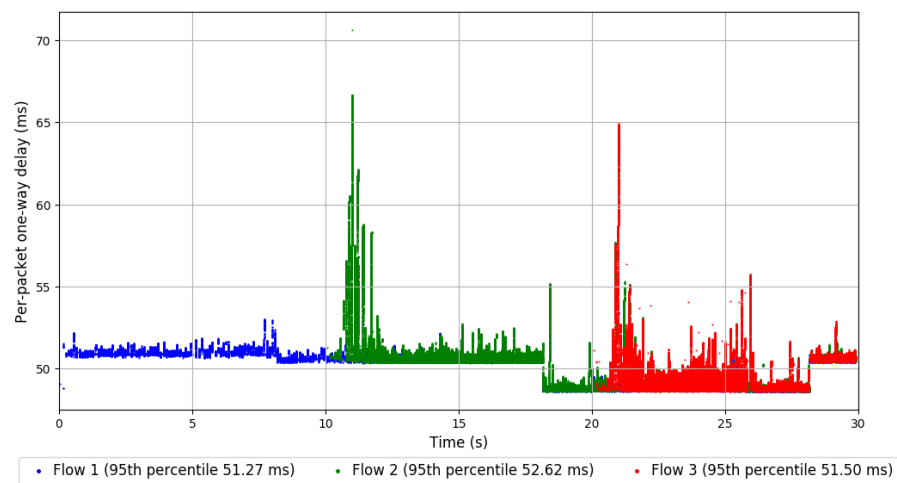
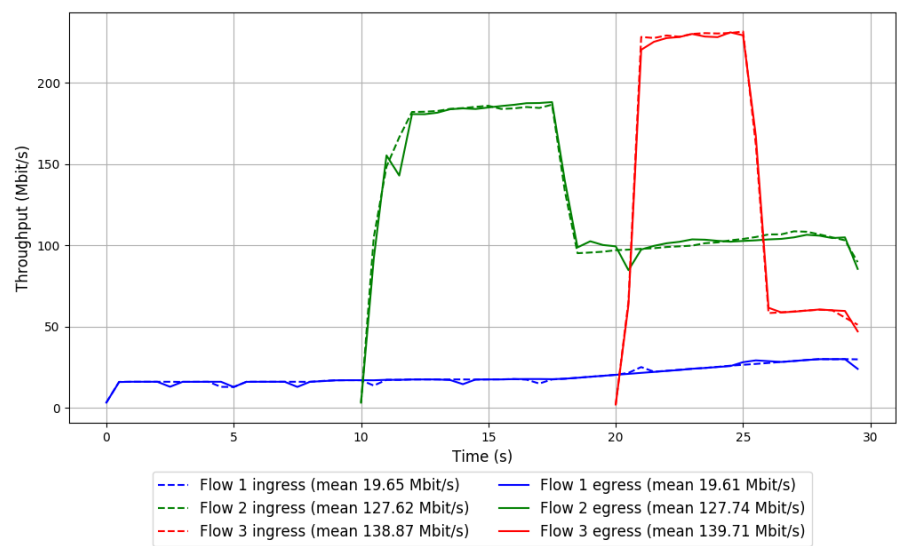
-- Flow 3:

Average throughput: 139.71 Mbit/s

95th percentile per-packet one-way delay: 51.501 ms

Loss rate: 0.42%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2017-12-01 03:37:00

End at: 2017-12-01 03:37:30

Below is generated by plot.py at 2017-12-01 07:22:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 165.51 Mbit/s

95th percentile per-packet one-way delay: 53.392 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 55.754 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 51.163 ms

Loss rate: 0.62%

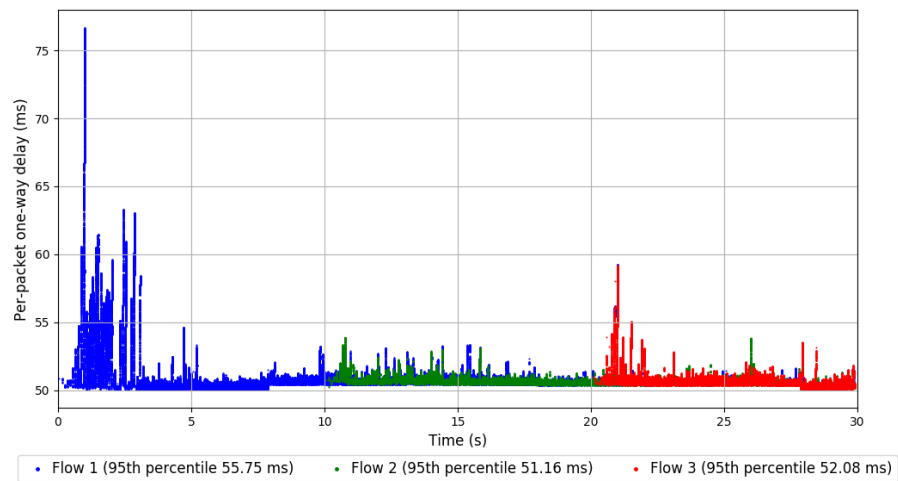
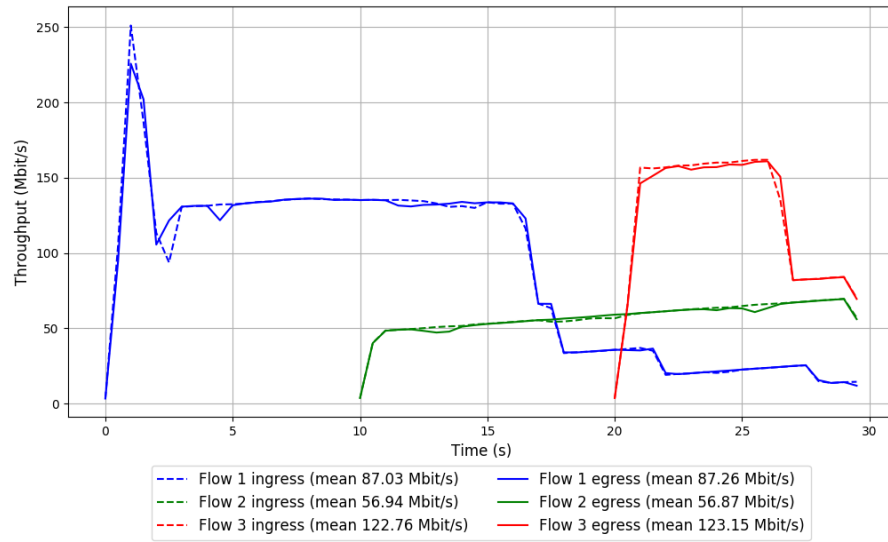
-- Flow 3:

Average throughput: 123.15 Mbit/s

95th percentile per-packet one-way delay: 52.081 ms

Loss rate: 0.70%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2017-12-01 03:49:29

End at: 2017-12-01 03:49:59

Below is generated by plot.py at 2017-12-01 07:22:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 150.86 Mbit/s

95th percentile per-packet one-way delay: 57.499 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 72.85 Mbit/s

95th percentile per-packet one-way delay: 58.219 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 108.62 Mbit/s

95th percentile per-packet one-way delay: 56.575 ms

Loss rate: 0.19%

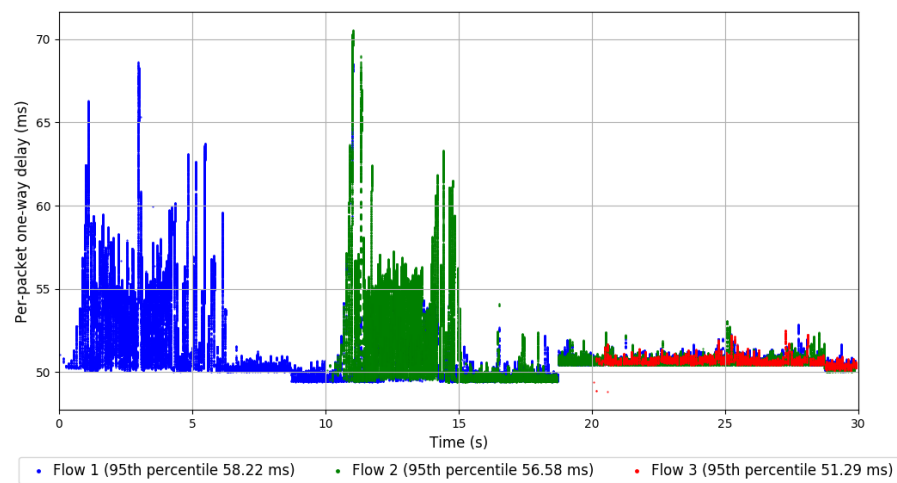
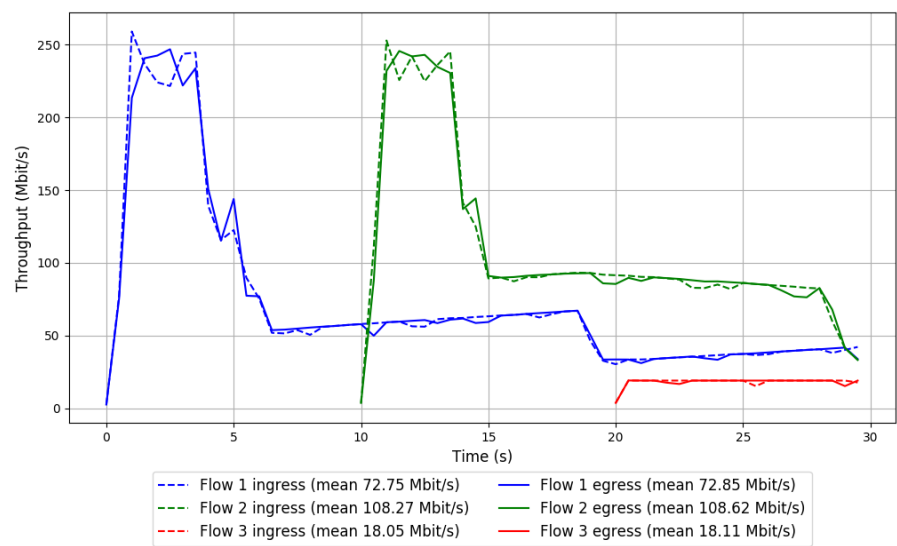
-- Flow 3:

Average throughput: 18.11 Mbit/s

95th percentile per-packet one-way delay: 51.288 ms

Loss rate: 0.70%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-12-01 04:02:13

End at: 2017-12-01 04:02:43

Below is generated by plot.py at 2017-12-01 07:22:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 100.43 Mbit/s

95th percentile per-packet one-way delay: 54.923 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 50.903 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 71.07 Mbit/s

95th percentile per-packet one-way delay: 57.315 ms

Loss rate: 0.47%

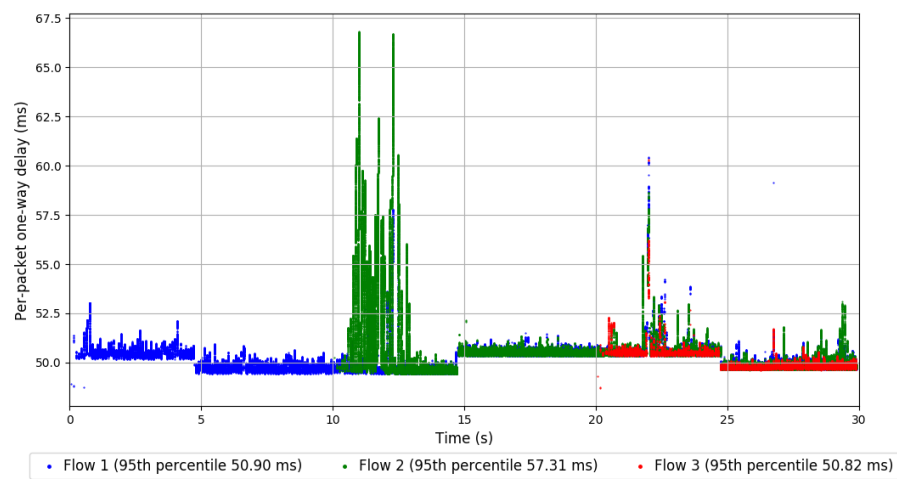
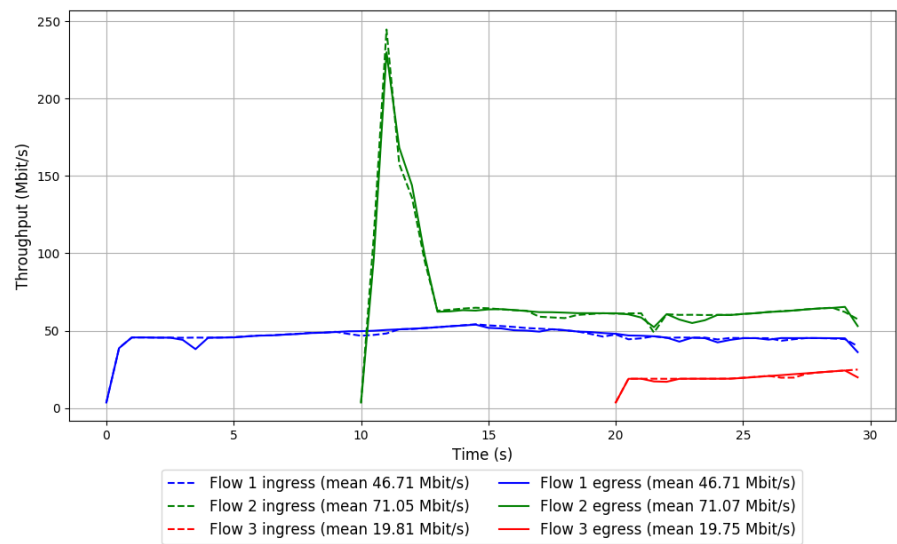
-- Flow 3:

Average throughput: 19.75 Mbit/s

95th percentile per-packet one-way delay: 50.823 ms

Loss rate: 1.28%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-12-01 04:14:50

End at: 2017-12-01 04:15:20

Below is generated by plot.py at 2017-12-01 07:22:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.70 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 56.49 Mbit/s

95th percentile per-packet one-way delay: 51.485 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 54.46 Mbit/s

95th percentile per-packet one-way delay: 51.651 ms

Loss rate: 1.35%

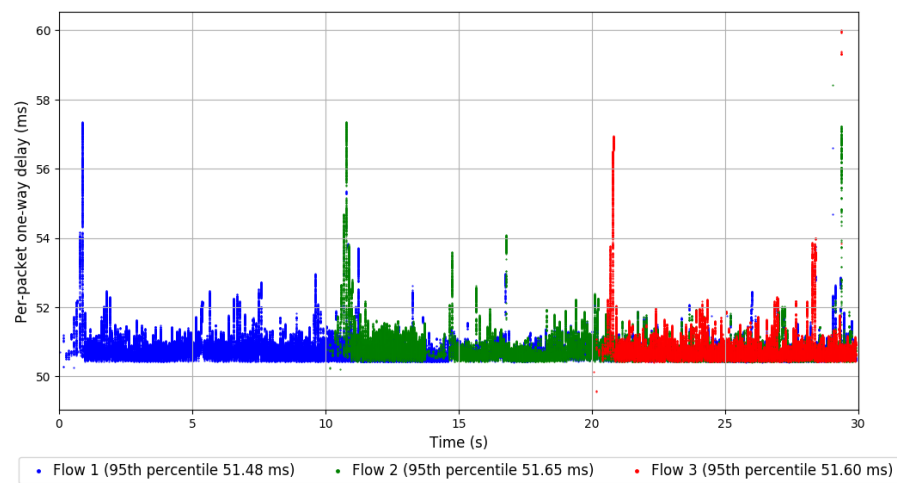
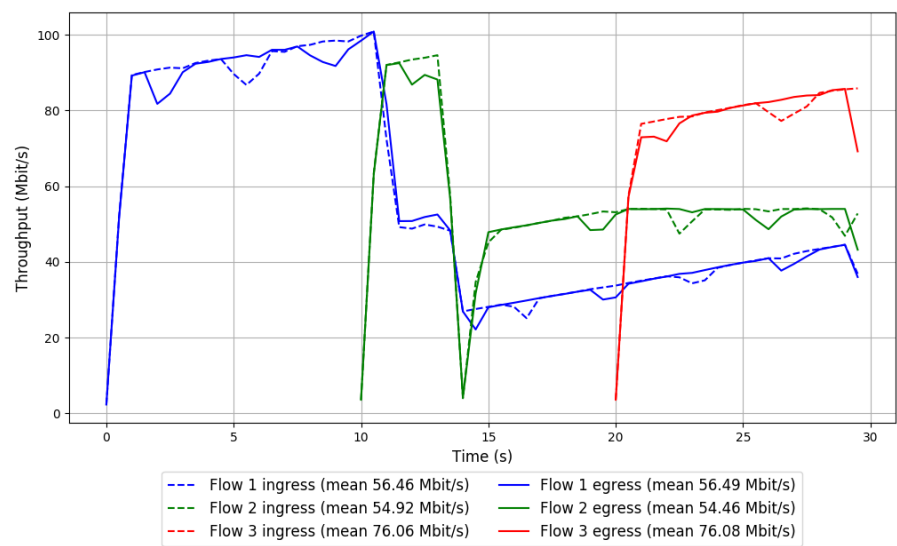
-- Flow 3:

Average throughput: 76.08 Mbit/s

95th percentile per-packet one-way delay: 51.605 ms

Loss rate: 1.14%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2017-12-01 02:23:04

End at: 2017-12-01 02:23:34

Below is generated by plot.py at 2017-12-01 07:22:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.95 Mbit/s

95th percentile per-packet one-way delay: 146.051 ms

Loss rate: 2.20%

-- Flow 1:

Average throughput: 232.70 Mbit/s

95th percentile per-packet one-way delay: 101.854 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 146.36 Mbit/s

95th percentile per-packet one-way delay: 198.685 ms

Loss rate: 5.47%

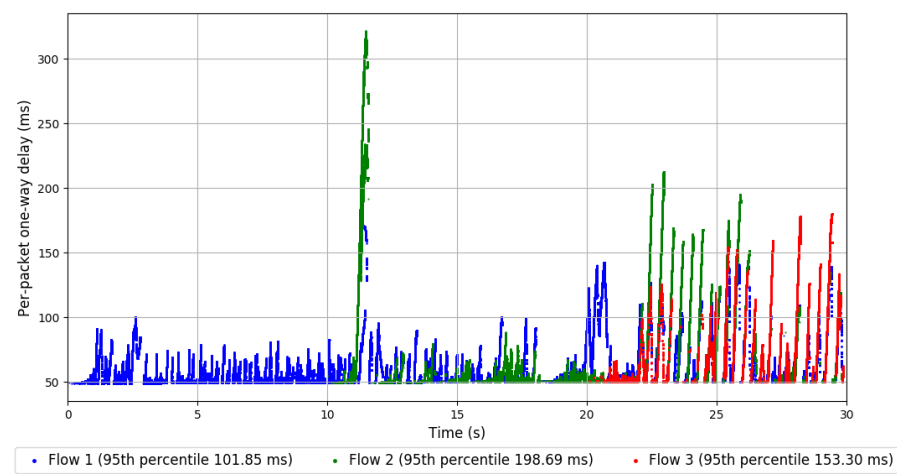
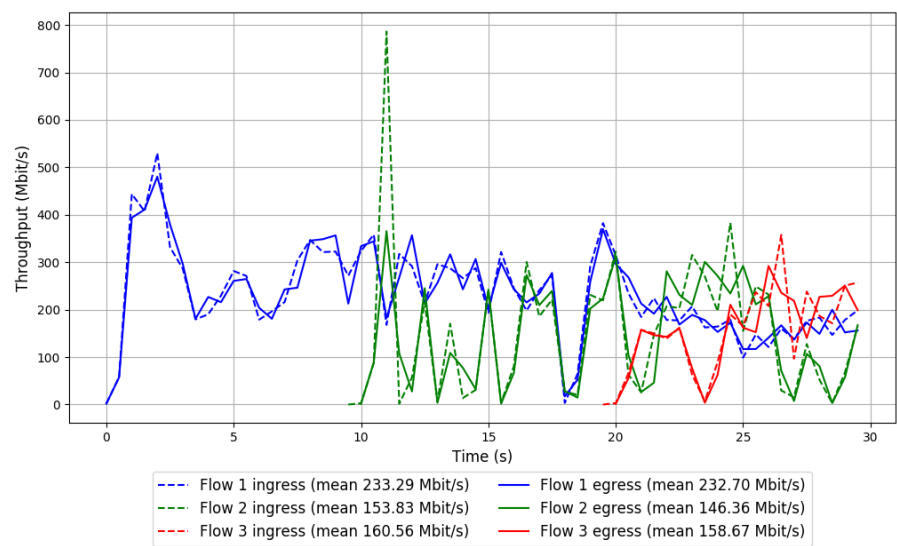
-- Flow 3:

Average throughput: 158.67 Mbit/s

95th percentile per-packet one-way delay: 153.302 ms

Loss rate: 2.23%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-12-01 02:35:45

End at: 2017-12-01 02:36:15

Below is generated by plot.py at 2017-12-01 07:23:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 419.75 Mbit/s

95th percentile per-packet one-way delay: 143.410 ms

Loss rate: 1.93%

-- Flow 1:

Average throughput: 244.96 Mbit/s

95th percentile per-packet one-way delay: 128.411 ms

Loss rate: 2.55%

-- Flow 2:

Average throughput: 153.75 Mbit/s

95th percentile per-packet one-way delay: 107.163 ms

Loss rate: 0.86%

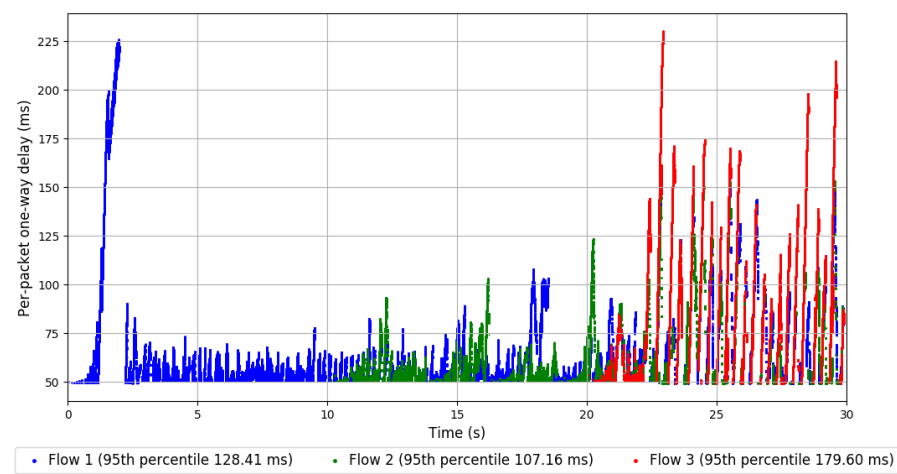
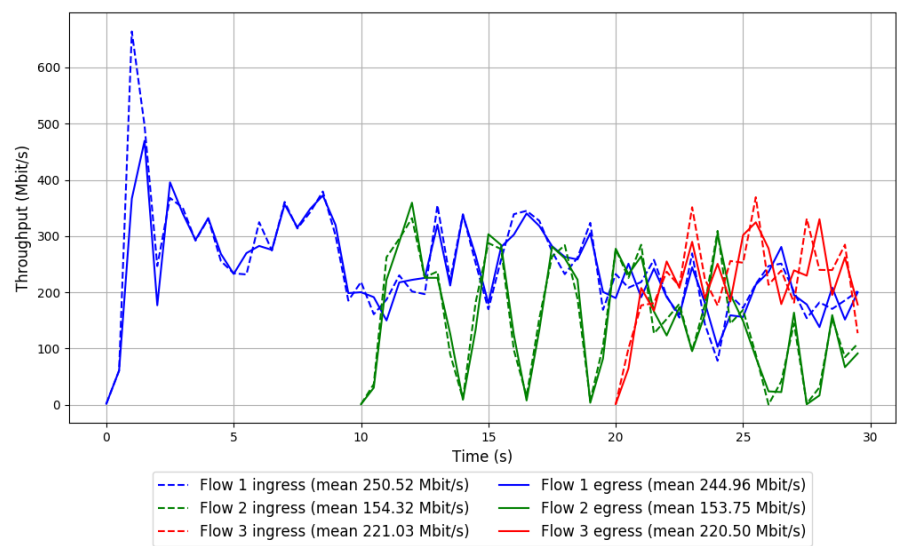
-- Flow 3:

Average throughput: 220.50 Mbit/s

95th percentile per-packet one-way delay: 179.600 ms

Loss rate: 1.30%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-12-01 02:48:23

End at: 2017-12-01 02:48:53

Below is generated by plot.py at 2017-12-01 07:23:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 406.30 Mbit/s

95th percentile per-packet one-way delay: 123.408 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 234.18 Mbit/s

95th percentile per-packet one-way delay: 115.718 ms

Loss rate: 1.24%

-- Flow 2:

Average throughput: 158.74 Mbit/s

95th percentile per-packet one-way delay: 86.316 ms

Loss rate: 0.27%

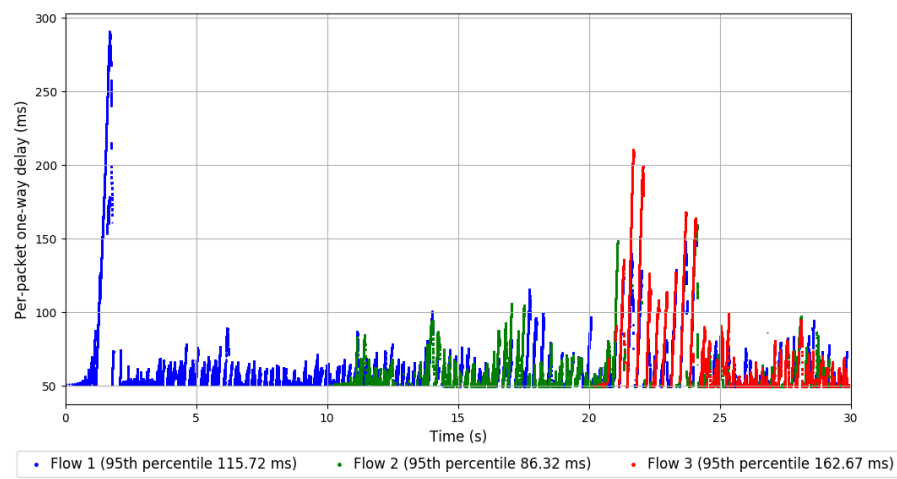
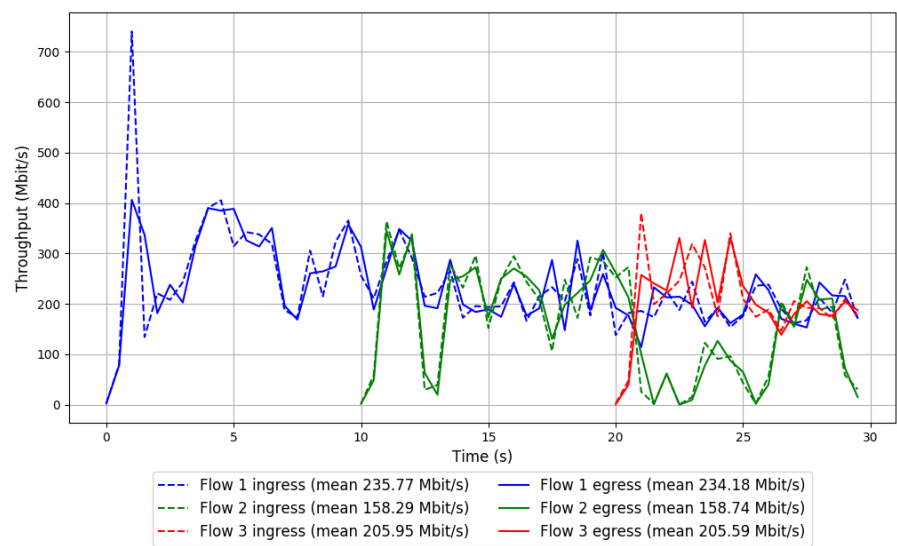
-- Flow 3:

Average throughput: 205.59 Mbit/s

95th percentile per-packet one-way delay: 162.669 ms

Loss rate: 0.75%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-12-01 03:01:02

End at: 2017-12-01 03:01:32

Below is generated by plot.py at 2017-12-01 07:23:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.85 Mbit/s

95th percentile per-packet one-way delay: 103.799 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 179.44 Mbit/s

95th percentile per-packet one-way delay: 101.692 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 140.46 Mbit/s

95th percentile per-packet one-way delay: 123.080 ms

Loss rate: 1.21%

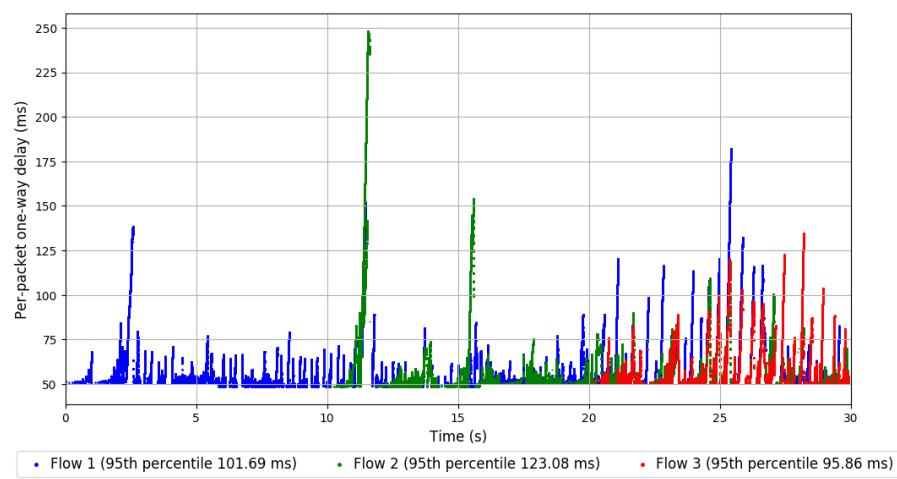
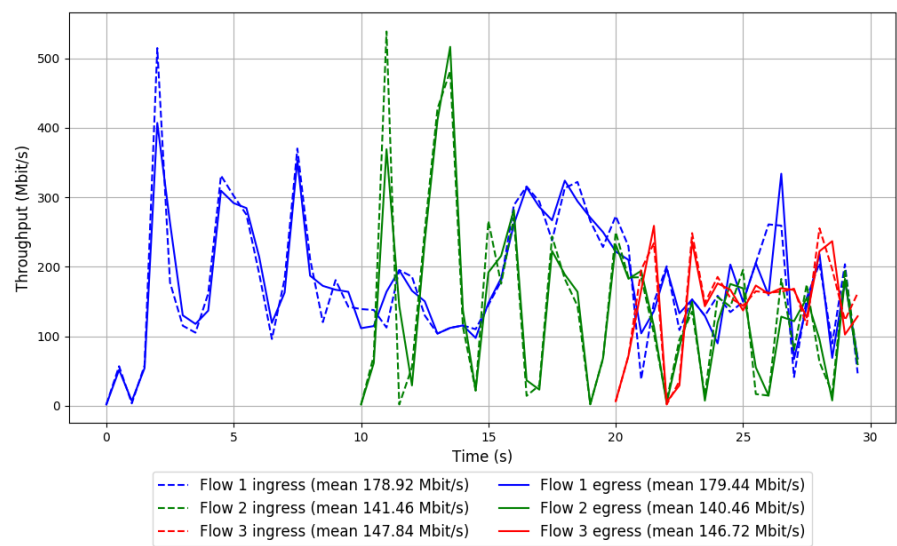
-- Flow 3:

Average throughput: 146.72 Mbit/s

95th percentile per-packet one-way delay: 95.859 ms

Loss rate: 1.83%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-12-01 03:13:38

End at: 2017-12-01 03:14:08

Below is generated by plot.py at 2017-12-01 07:24:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 397.89 Mbit/s

95th percentile per-packet one-way delay: 121.454 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 250.72 Mbit/s

95th percentile per-packet one-way delay: 116.637 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 146.04 Mbit/s

95th percentile per-packet one-way delay: 131.954 ms

Loss rate: 0.23%

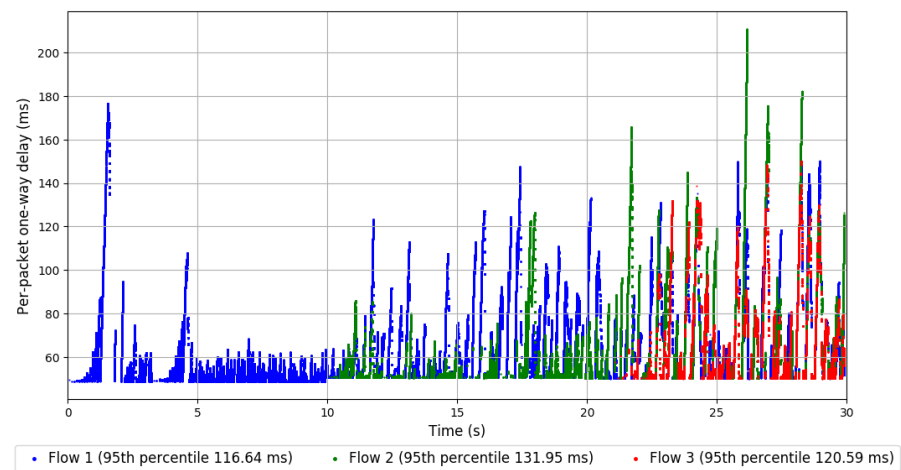
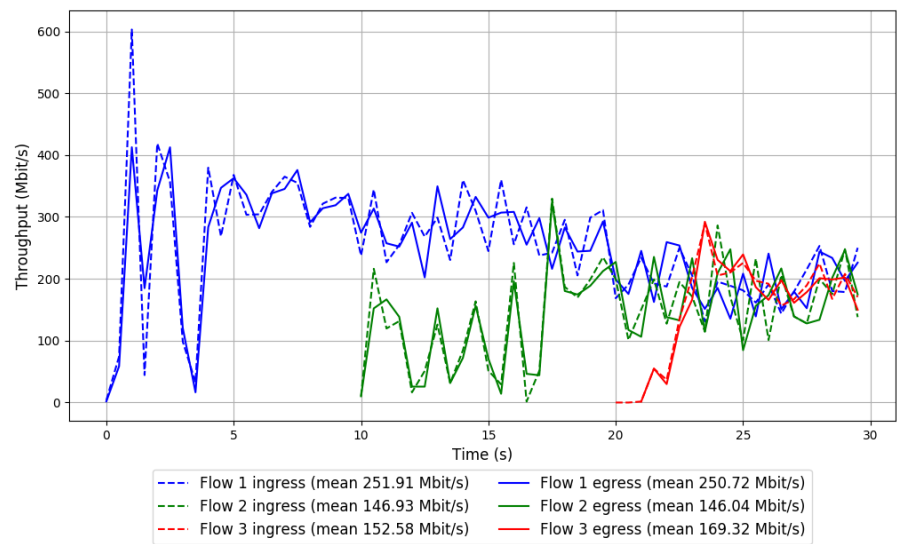
-- Flow 3:

Average throughput: 169.32 Mbit/s

95th percentile per-packet one-way delay: 120.586 ms

Loss rate: 1.43%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-12-01 03:26:11

End at: 2017-12-01 03:26:41

Below is generated by plot.py at 2017-12-01 07:24:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 386.15 Mbit/s

95th percentile per-packet one-way delay: 187.287 ms

Loss rate: 4.81%

-- Flow 1:

Average throughput: 271.38 Mbit/s

95th percentile per-packet one-way delay: 116.313 ms

Loss rate: 2.37%

-- Flow 2:

Average throughput: 108.95 Mbit/s

95th percentile per-packet one-way delay: 291.319 ms

Loss rate: 14.42%

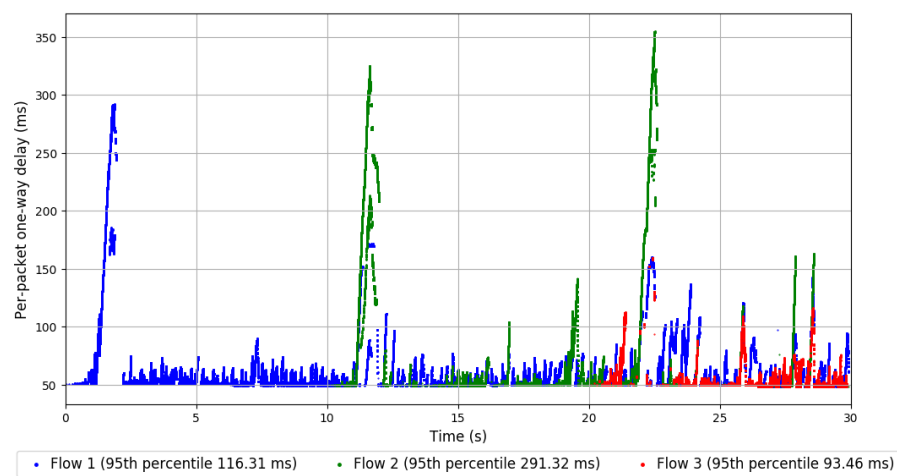
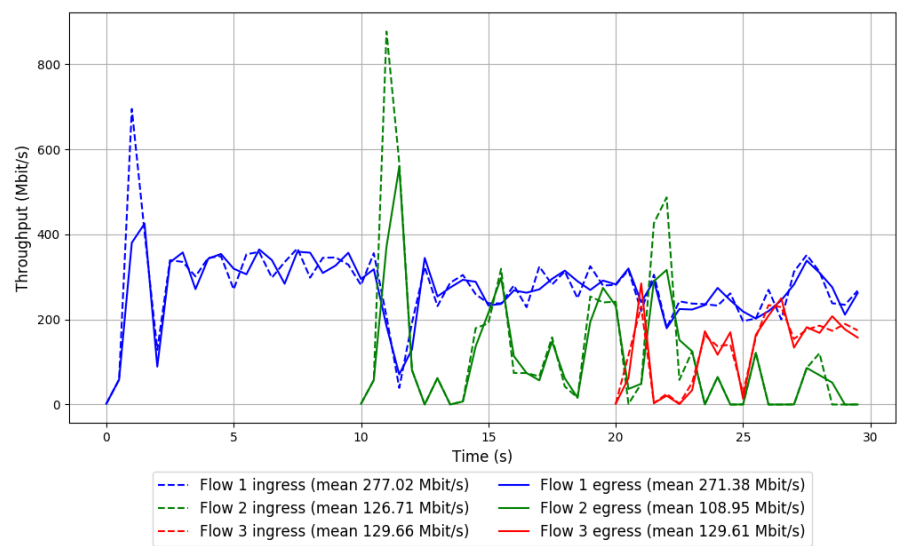
-- Flow 3:

Average throughput: 129.61 Mbit/s

95th percentile per-packet one-way delay: 93.457 ms

Loss rate: 1.70%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-12-01 03:38:42

End at: 2017-12-01 03:39:12

Below is generated by plot.py at 2017-12-01 07:27:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.27 Mbit/s

95th percentile per-packet one-way delay: 167.081 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 260.99 Mbit/s

95th percentile per-packet one-way delay: 177.141 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 114.32 Mbit/s

95th percentile per-packet one-way delay: 125.336 ms

Loss rate: 0.90%

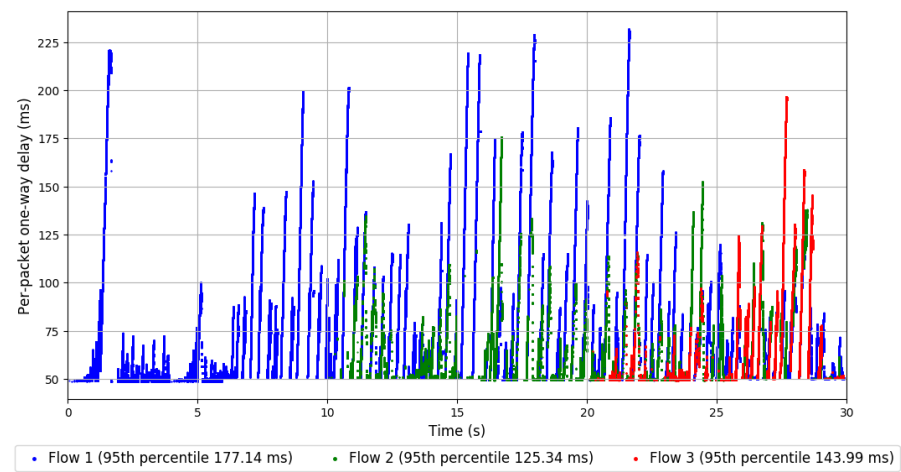
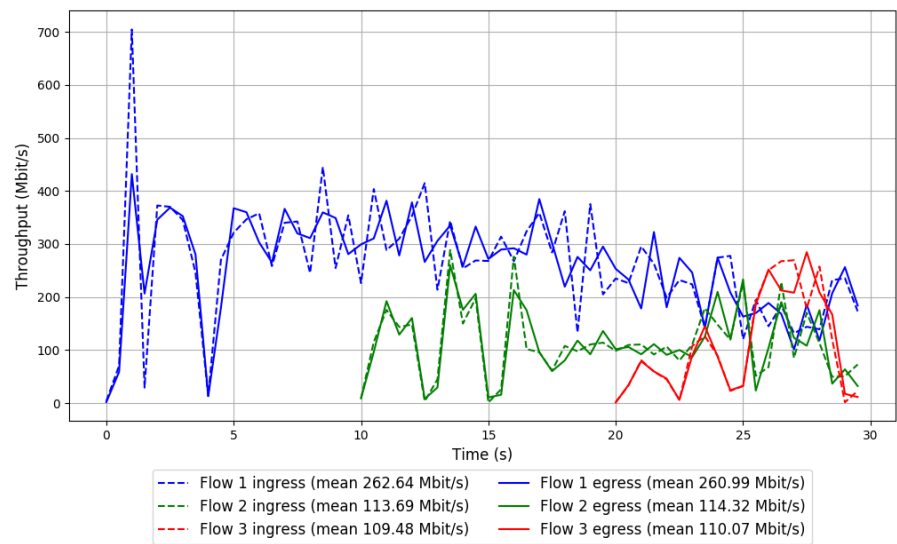
-- Flow 3:

Average throughput: 110.07 Mbit/s

95th percentile per-packet one-way delay: 143.994 ms

Loss rate: 0.57%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-12-01 03:51:09

End at: 2017-12-01 03:51:39

Below is generated by plot.py at 2017-12-01 07:28:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.68 Mbit/s

95th percentile per-packet one-way delay: 159.868 ms

Loss rate: 2.70%

-- Flow 1:

Average throughput: 217.97 Mbit/s

95th percentile per-packet one-way delay: 150.966 ms

Loss rate: 2.19%

-- Flow 2:

Average throughput: 199.52 Mbit/s

95th percentile per-packet one-way delay: 138.383 ms

Loss rate: 0.86%

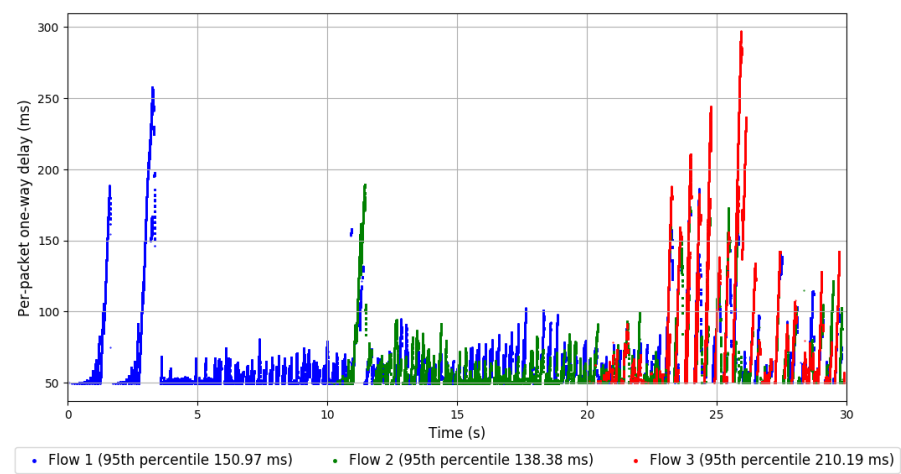
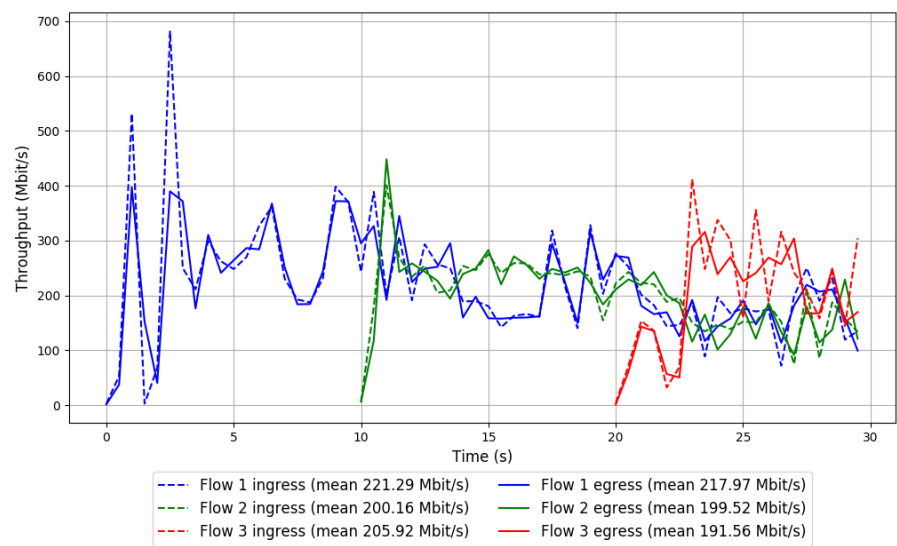
-- Flow 3:

Average throughput: 191.56 Mbit/s

95th percentile per-packet one-way delay: 210.193 ms

Loss rate: 7.94%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-12-01 04:03:48

End at: 2017-12-01 04:04:18

Below is generated by plot.py at 2017-12-01 07:29:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.41 Mbit/s

95th percentile per-packet one-way delay: 155.982 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 255.72 Mbit/s

95th percentile per-packet one-way delay: 113.966 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 190.95 Mbit/s

95th percentile per-packet one-way delay: 130.457 ms

Loss rate: 1.42%

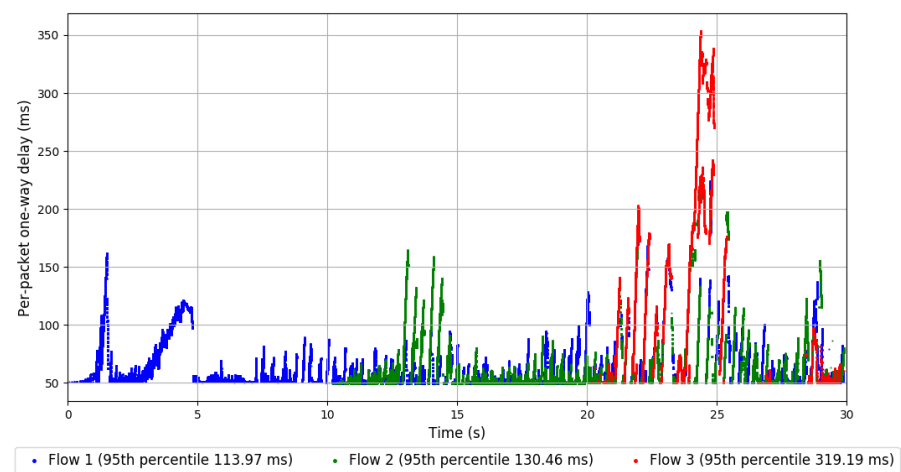
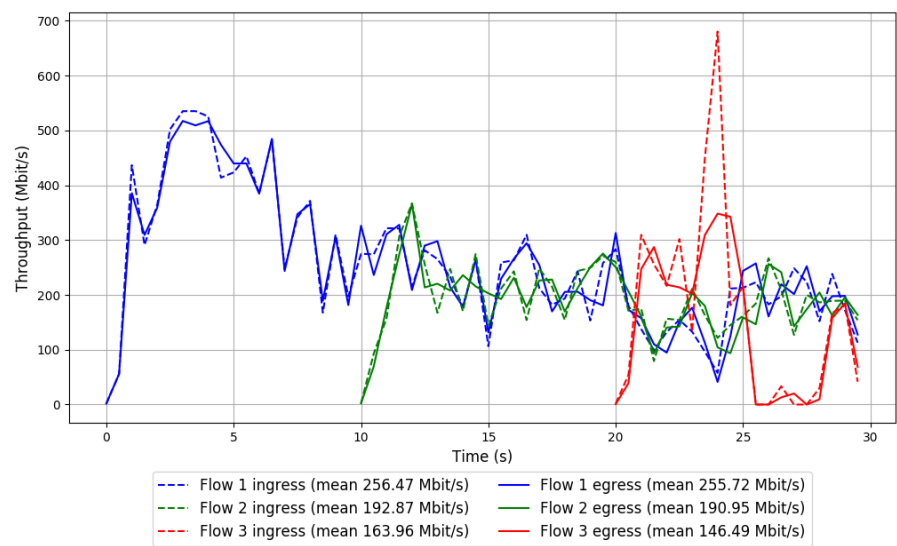
-- Flow 3:

Average throughput: 146.49 Mbit/s

95th percentile per-packet one-way delay: 319.195 ms

Loss rate: 11.55%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2017-12-01 04:16:27

End at: 2017-12-01 04:16:57

Below is generated by plot.py at 2017-12-01 07:29:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 346.03 Mbit/s

95th percentile per-packet one-way delay: 174.914 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 230.81 Mbit/s

95th percentile per-packet one-way delay: 189.335 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 109.53 Mbit/s

95th percentile per-packet one-way delay: 104.531 ms

Loss rate: 0.17%

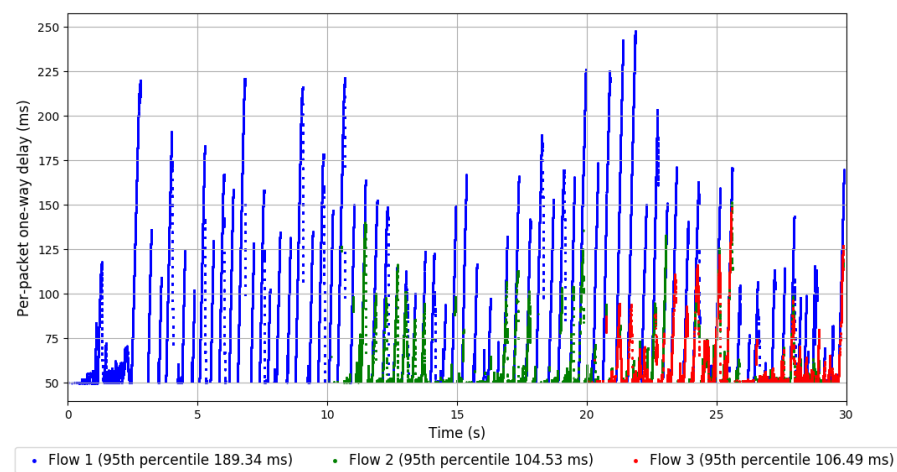
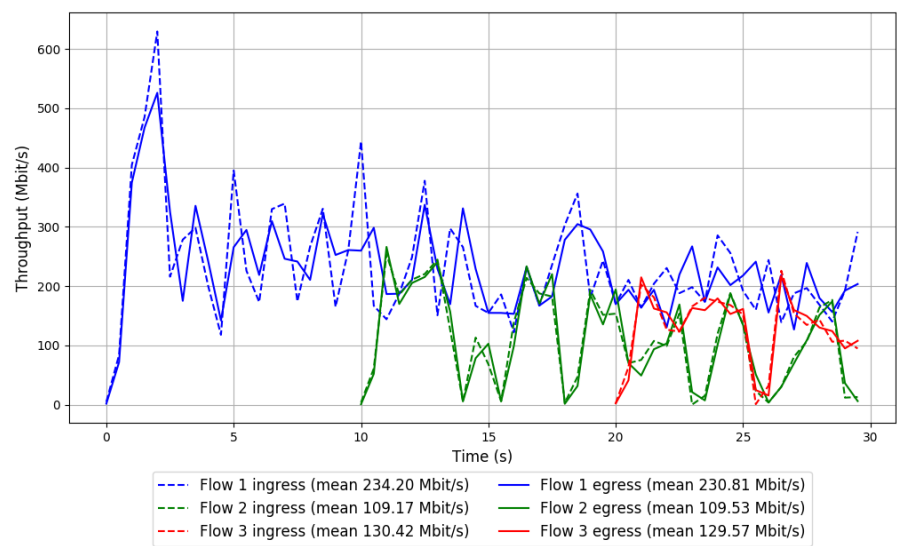
-- Flow 3:

Average throughput: 129.57 Mbit/s

95th percentile per-packet one-way delay: 106.491 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link

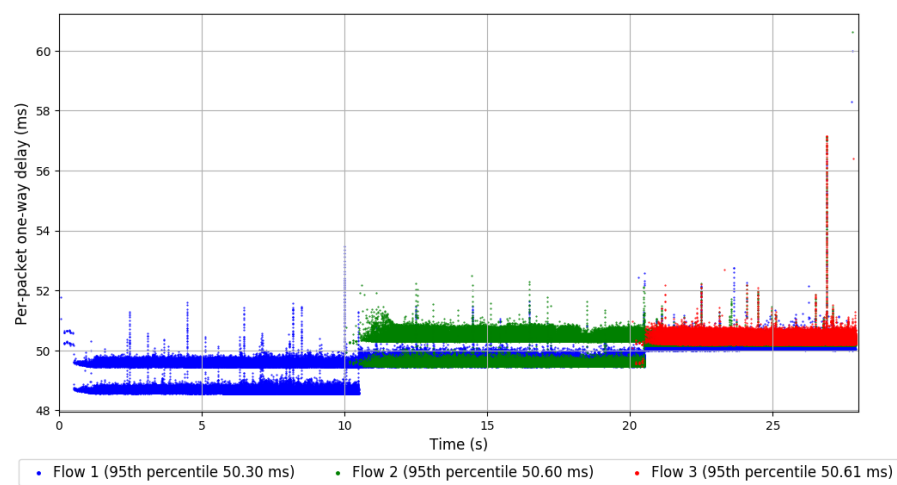
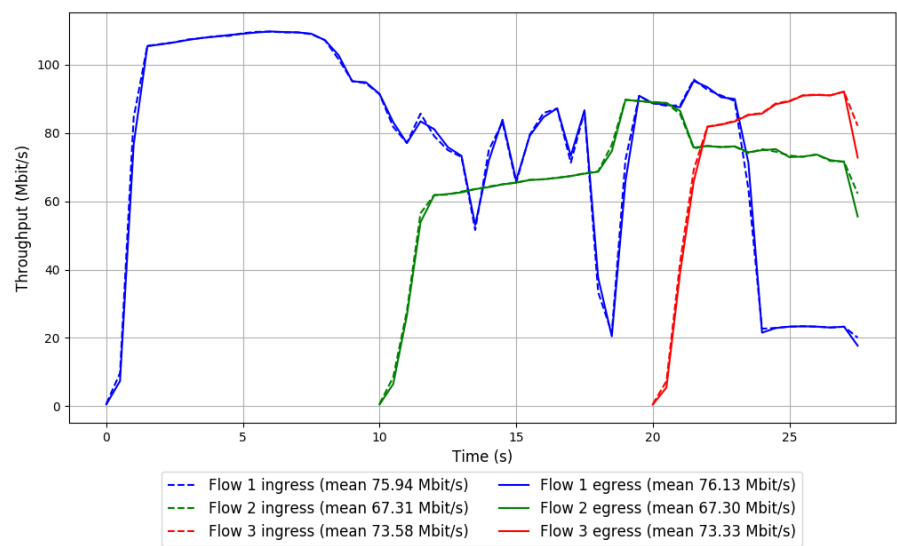


```
Run 1: Statistics of Copa

Start at: 2017-12-01 02:25:15
End at: 2017-12-01 02:25:45

# Below is generated by plot.py at 2017-12-01 07:29:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 139.80 Mbit/s
95th percentile per-packet one-way delay: 50.539 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 76.13 Mbit/s
95th percentile per-packet one-way delay: 50.304 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 50.597 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 73.33 Mbit/s
95th percentile per-packet one-way delay: 50.614 ms
Loss rate: 1.60%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-12-01 02:37:59

End at: 2017-12-01 02:38:29

Below is generated by plot.py at 2017-12-01 07:29:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.14 Mbit/s

95th percentile per-packet one-way delay: 50.683 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 1608.917 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 50.664 ms

Loss rate: 0.49%

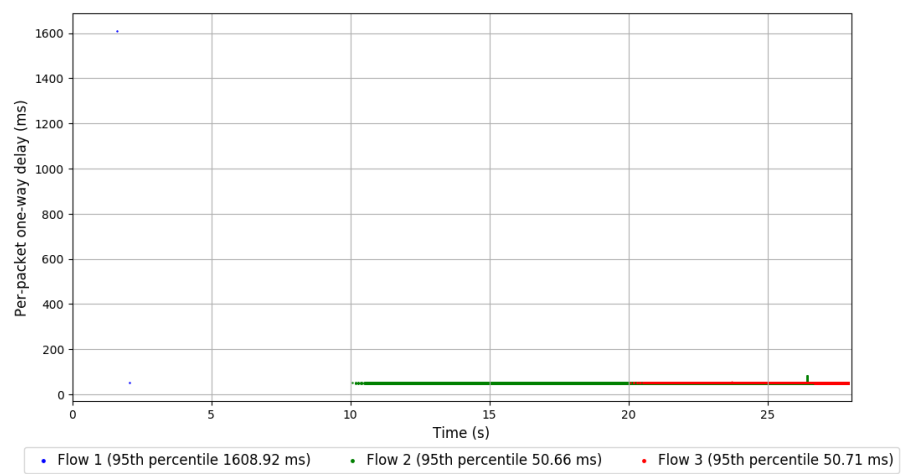
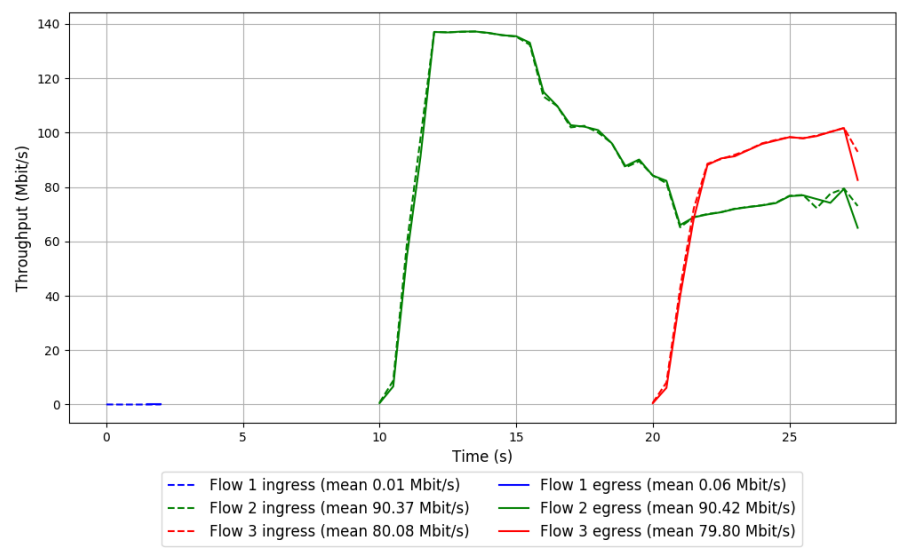
-- Flow 3:

Average throughput: 79.80 Mbit/s

95th percentile per-packet one-way delay: 50.708 ms

Loss rate: 1.62%

Run 2: Report of Copa — Data Link

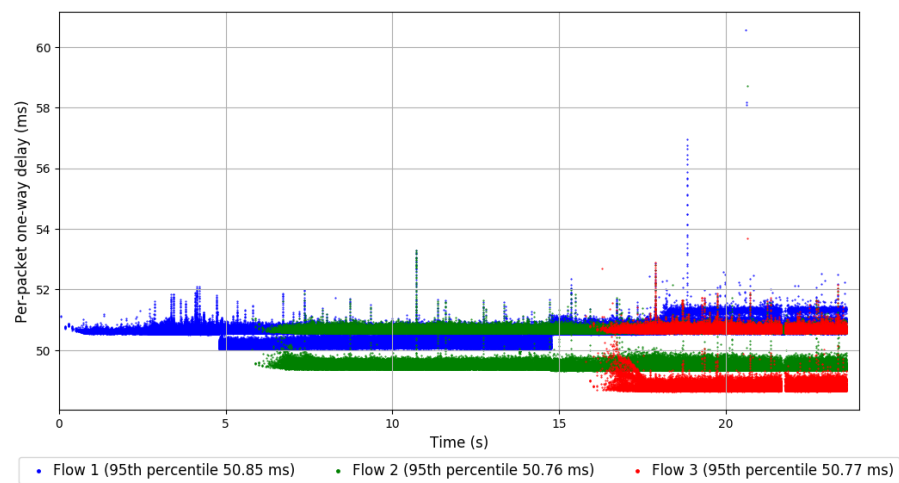
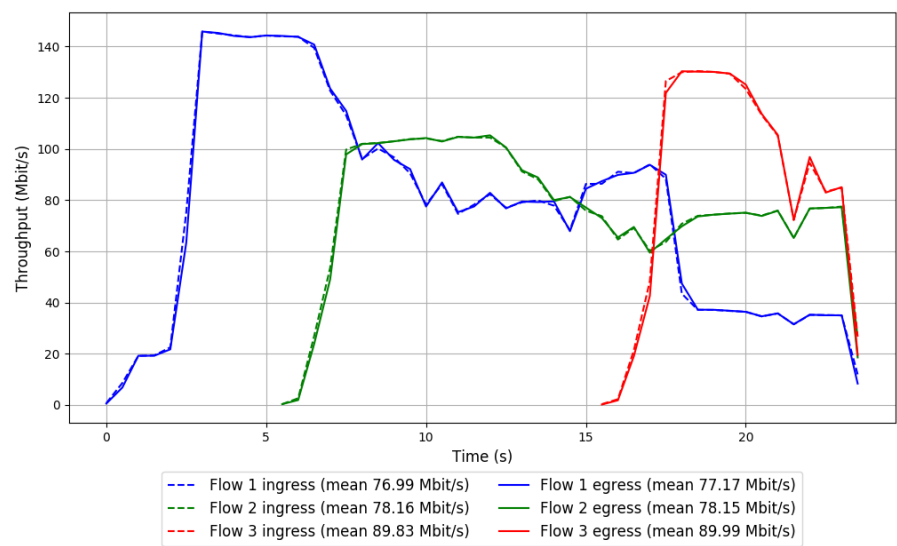


Run 3: Statistics of Copa

Start at: 2017-12-01 02:50:37

End at: 2017-12-01 02:51:07

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-12-01 03:03:11

End at: 2017-12-01 03:03:41

Below is generated by plot.py at 2017-12-01 07:29:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.07 Mbit/s

95th percentile per-packet one-way delay: 50.742 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 71.68 Mbit/s

95th percentile per-packet one-way delay: 50.855 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 74.17 Mbit/s

95th percentile per-packet one-way delay: 50.667 ms

Loss rate: 0.50%

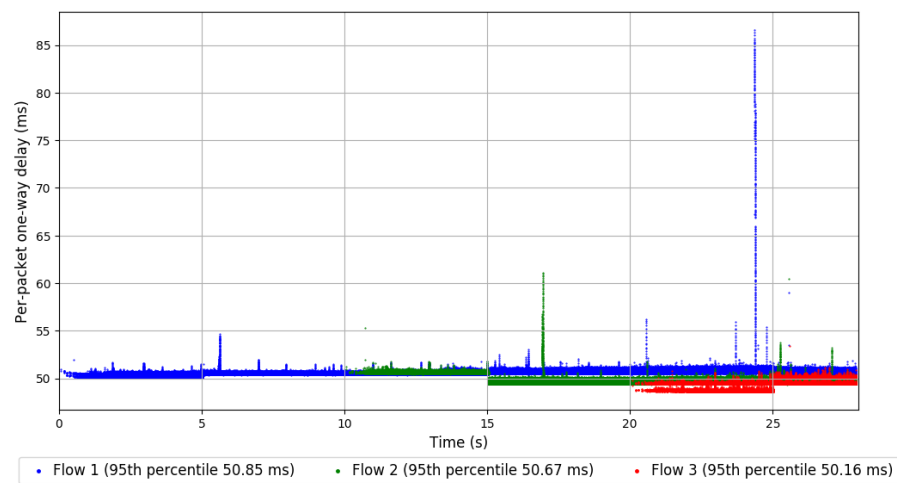
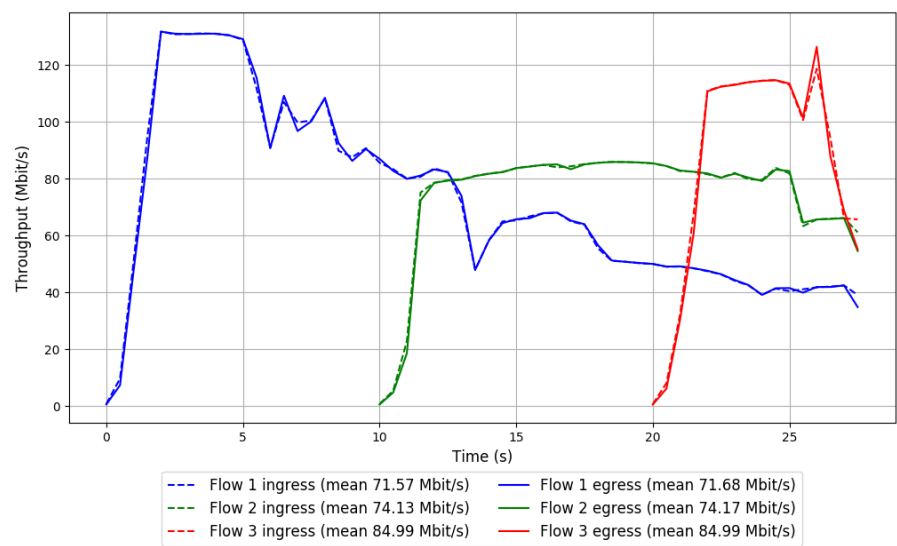
-- Flow 3:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 50.160 ms

Loss rate: 1.24%

Run 4: Report of Copa — Data Link

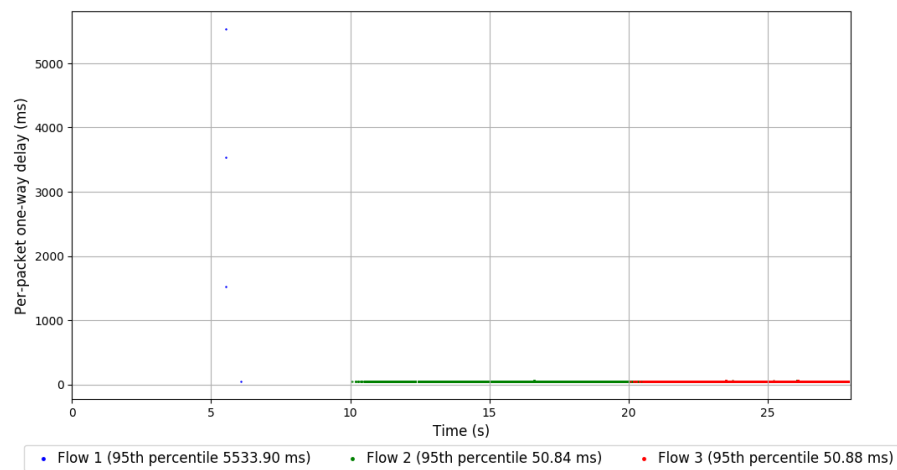
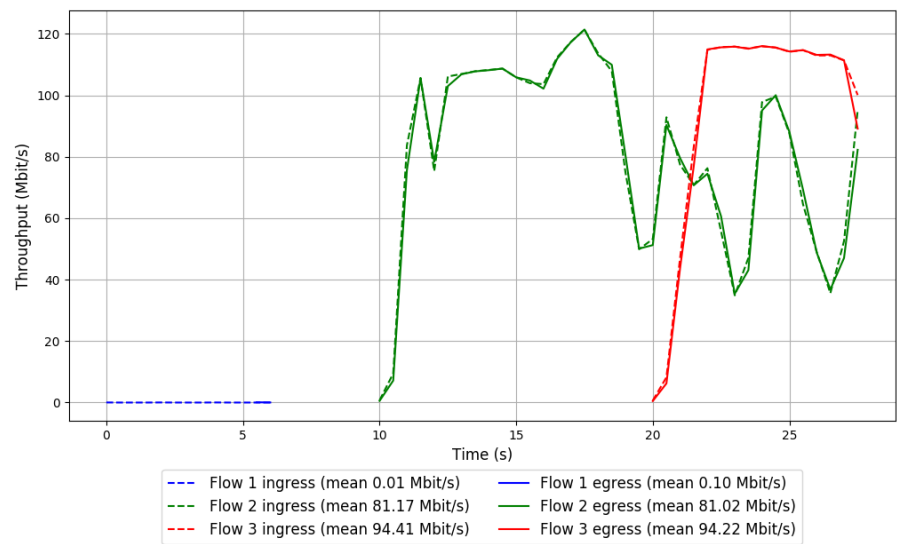


Run 5: Statistics of Copa

Start at: 2017-12-01 03:15:50

End at: 2017-12-01 03:16:20

Run 5: Report of Copa — Data Link

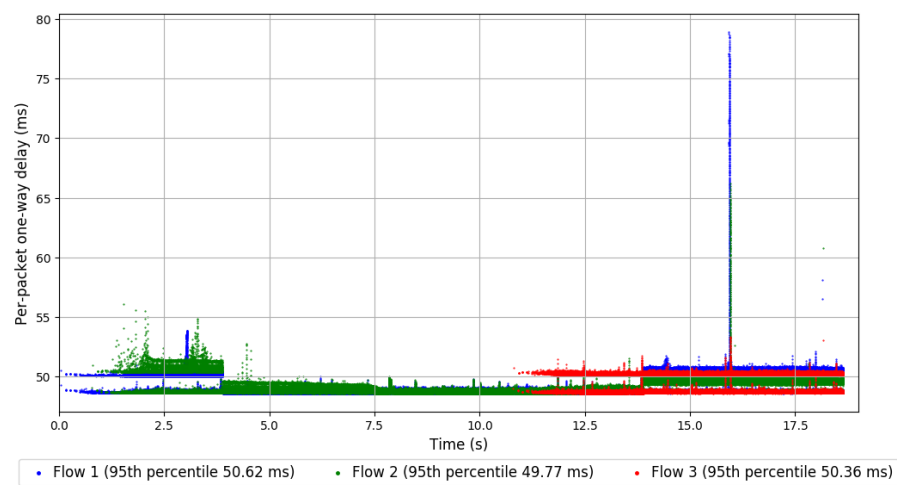
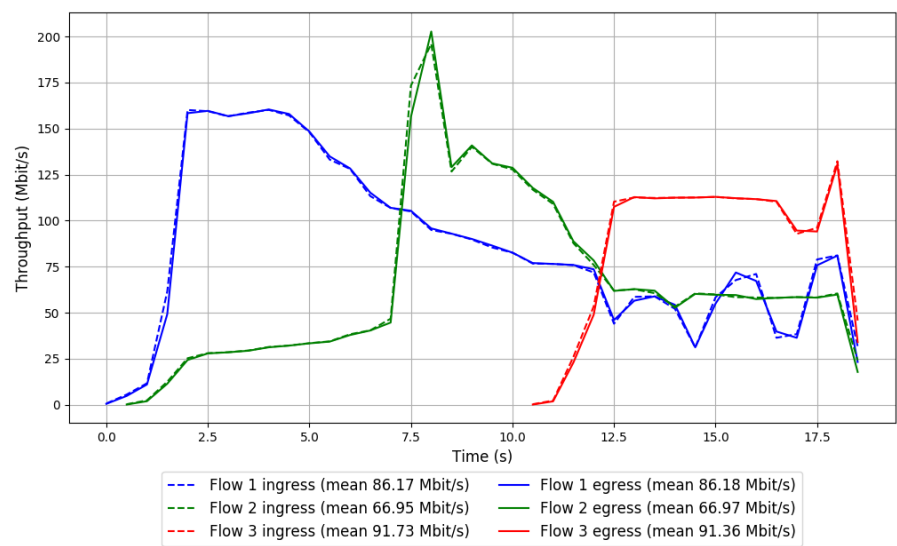


Run 6: Statistics of Copa

Start at: 2017-12-01 03:28:23

End at: 2017-12-01 03:28:53

Run 6: Report of Copa — Data Link

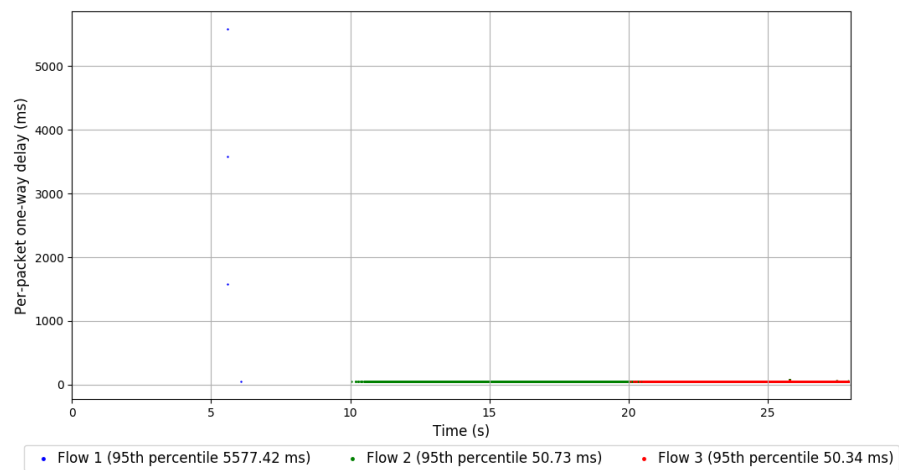
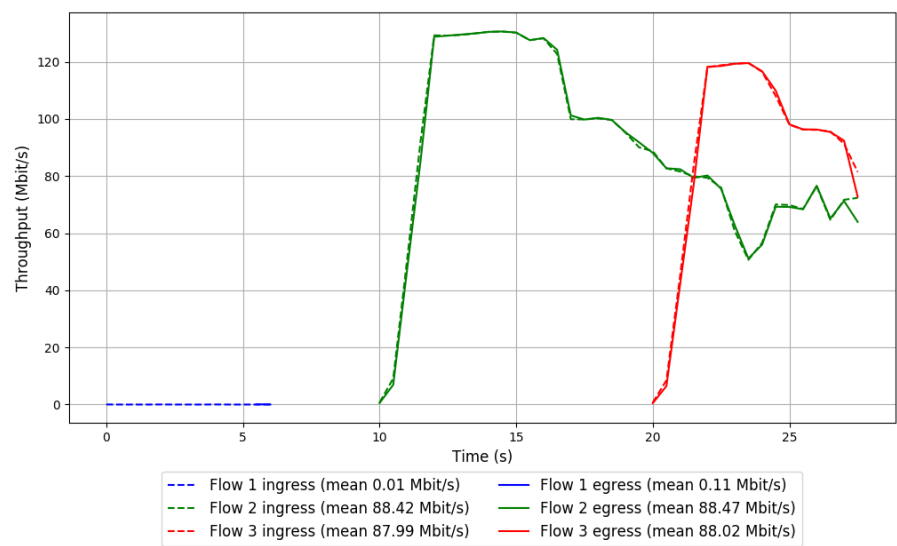


Run 7: Statistics of Copa

Start at: 2017-12-01 03:40:52

End at: 2017-12-01 03:41:22

Run 7: Report of Copa — Data Link

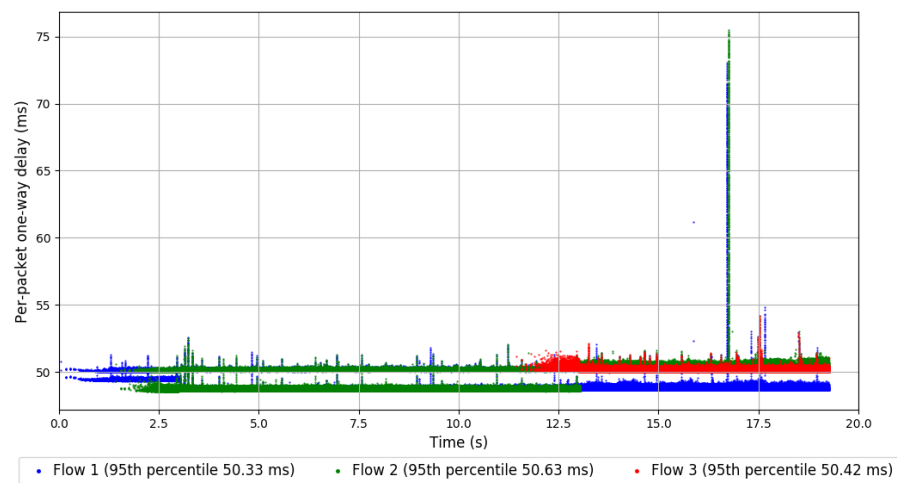
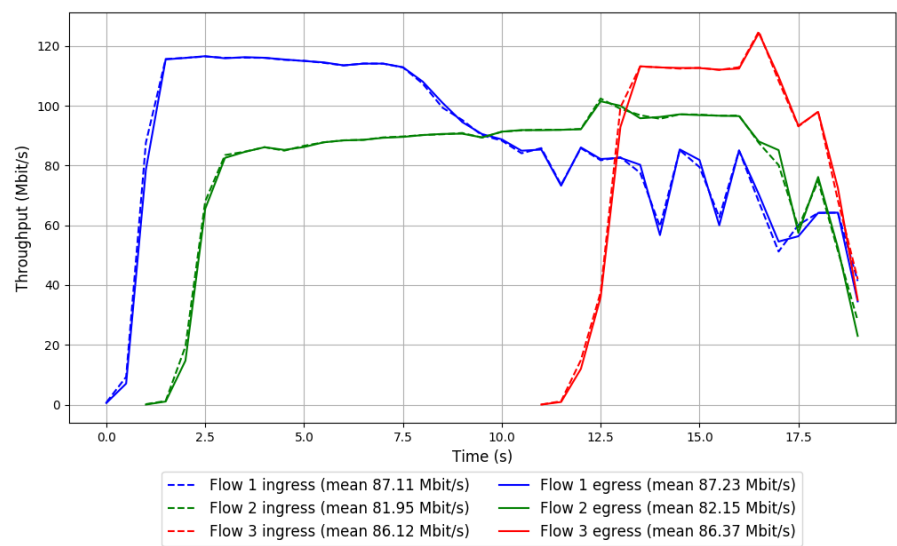


Run 8: Statistics of Copa

Start at: 2017-12-01 03:53:24

End at: 2017-12-01 03:53:54

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-12-01 04:06:04

End at: 2017-12-01 04:06:34

Below is generated by plot.py at 2017-12-01 07:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 154.33 Mbit/s

95th percentile per-packet one-way delay: 50.541 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 50.535 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 50.566 ms

Loss rate: 0.61%

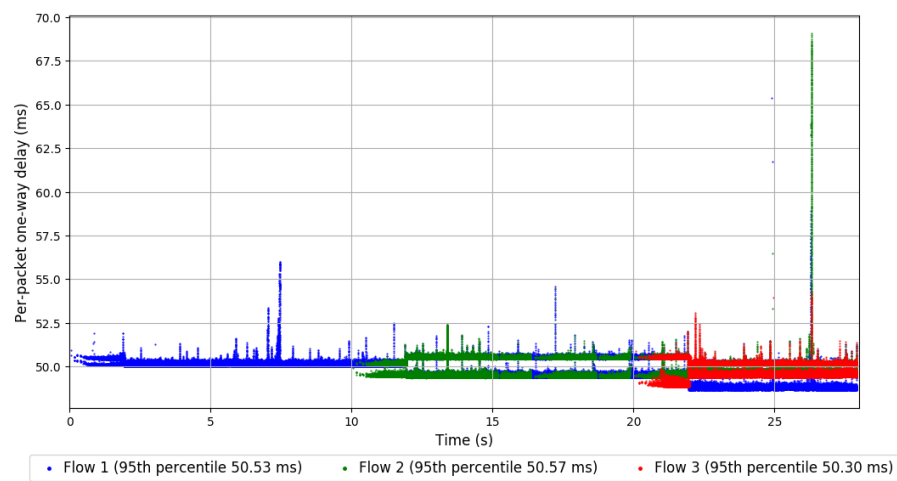
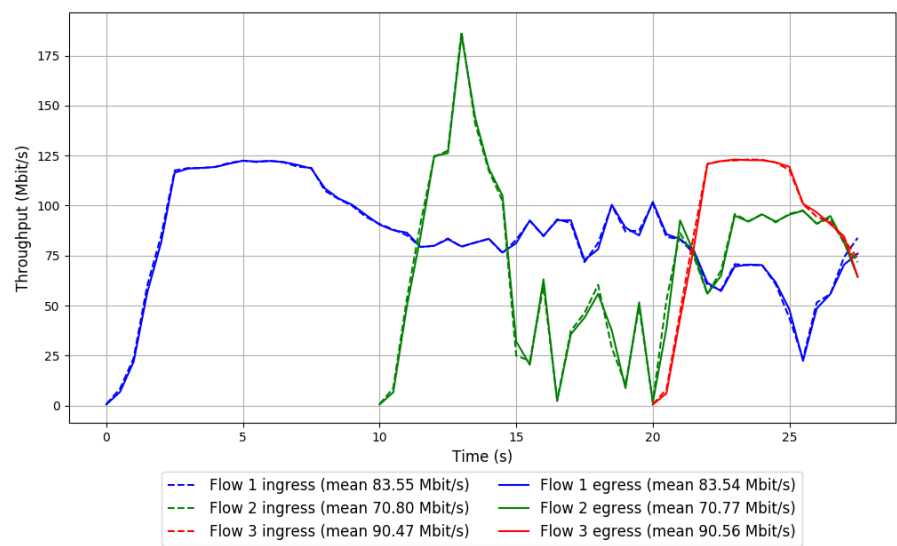
-- Flow 3:

Average throughput: 90.56 Mbit/s

95th percentile per-packet one-way delay: 50.303 ms

Loss rate: 1.16%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-12-01 04:18:36

End at: 2017-12-01 04:19:06

Below is generated by plot.py at 2017-12-01 07:32:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.28 Mbit/s

95th percentile per-packet one-way delay: 50.682 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 50.656 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 63.12 Mbit/s

95th percentile per-packet one-way delay: 50.676 ms

Loss rate: 0.23%

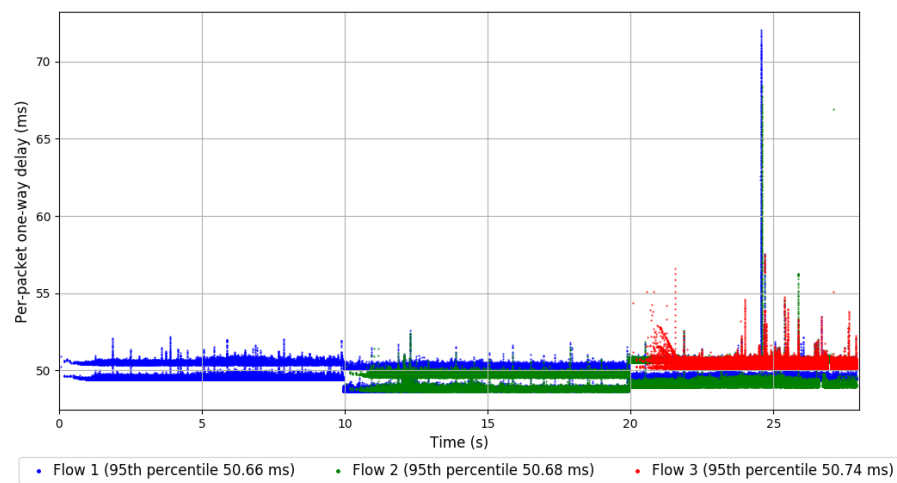
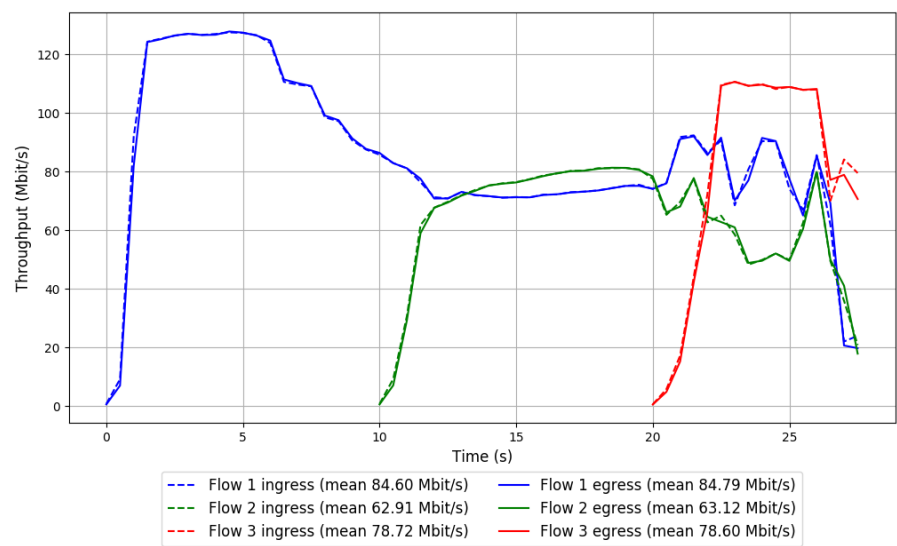
-- Flow 3:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 50.737 ms

Loss rate: 1.43%

Run 10: Report of Copa — Data Link

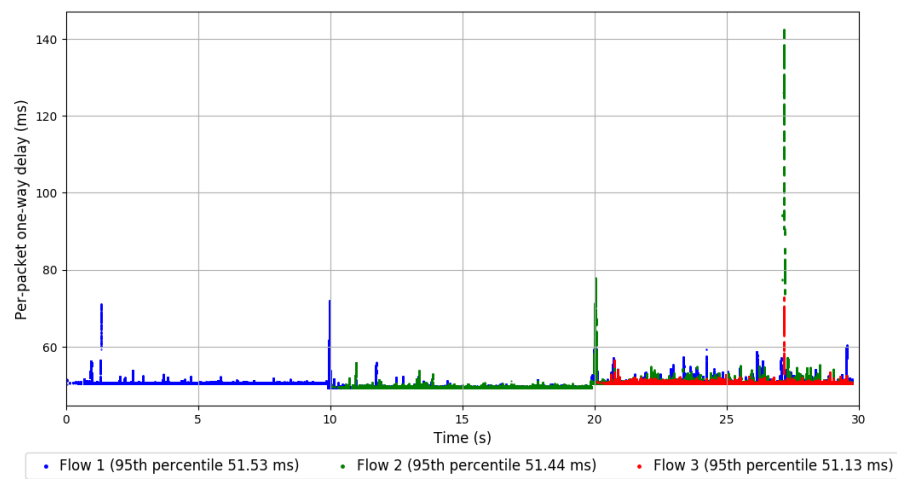
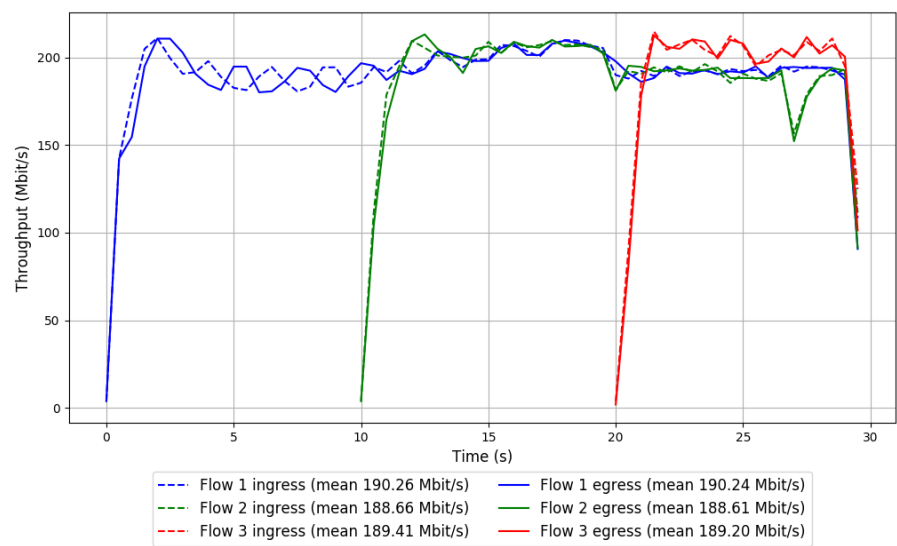


```
Run 1: Statistics of Indigo

Start at: 2017-12-01 02:27:28
End at: 2017-12-01 02:27:58

# Below is generated by plot.py at 2017-12-01 07:34:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 376.51 Mbit/s
95th percentile per-packet one-way delay: 51.390 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 190.24 Mbit/s
95th percentile per-packet one-way delay: 51.533 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 188.61 Mbit/s
95th percentile per-packet one-way delay: 51.442 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 189.20 Mbit/s
95th percentile per-packet one-way delay: 51.127 ms
Loss rate: 1.16%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-12-01 02:40:06

End at: 2017-12-01 02:40:36

Below is generated by plot.py at 2017-12-01 07:35:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 379.02 Mbit/s

95th percentile per-packet one-way delay: 50.654 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 195.04 Mbit/s

95th percentile per-packet one-way delay: 50.533 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 187.46 Mbit/s

95th percentile per-packet one-way delay: 50.920 ms

Loss rate: 0.54%

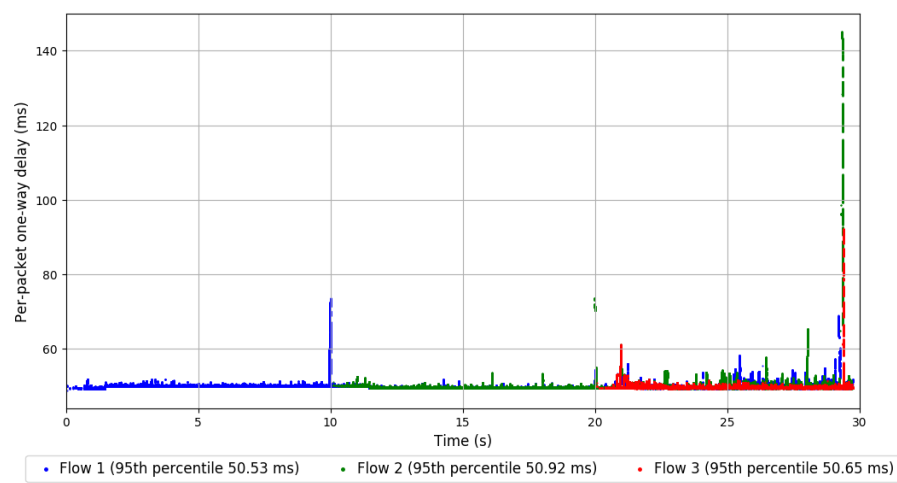
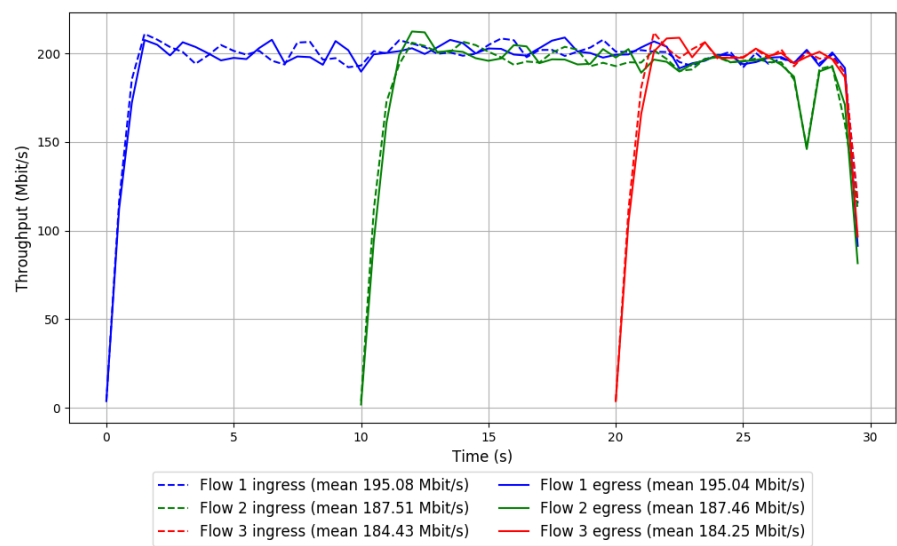
-- Flow 3:

Average throughput: 184.25 Mbit/s

95th percentile per-packet one-way delay: 50.645 ms

Loss rate: 1.14%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-12-01 02:52:51

End at: 2017-12-01 02:53:21

Below is generated by plot.py at 2017-12-01 07:35:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.09 Mbit/s

95th percentile per-packet one-way delay: 50.422 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 190.82 Mbit/s

95th percentile per-packet one-way delay: 50.355 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 189.55 Mbit/s

95th percentile per-packet one-way delay: 50.422 ms

Loss rate: 0.53%

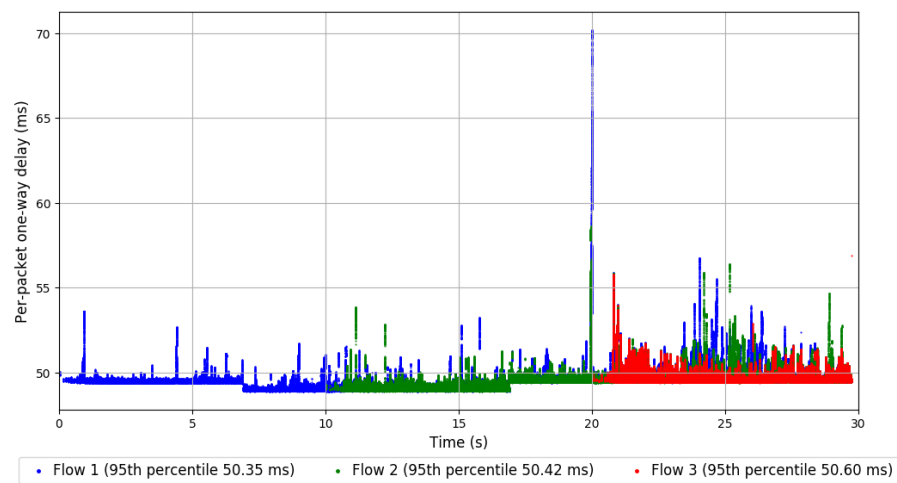
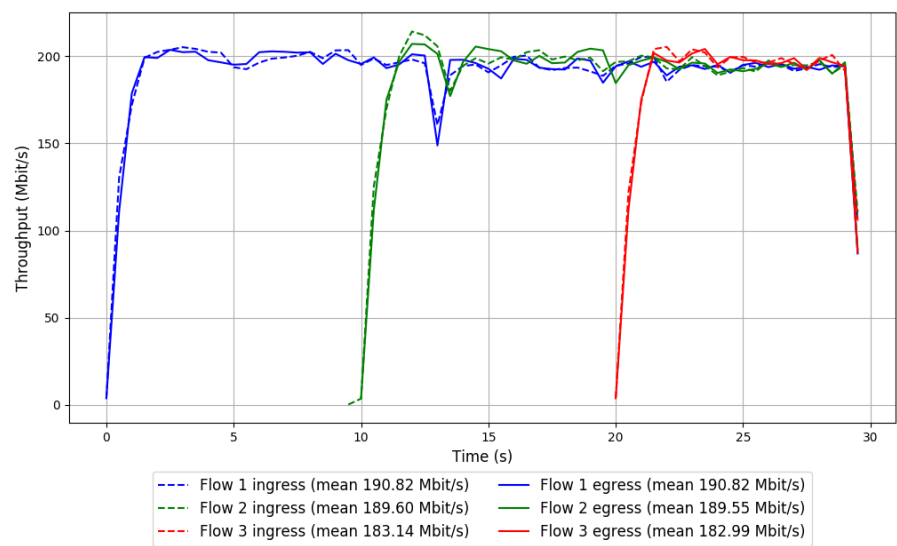
-- Flow 3:

Average throughput: 182.99 Mbit/s

95th percentile per-packet one-way delay: 50.599 ms

Loss rate: 1.04%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-12-01 03:05:24

End at: 2017-12-01 03:05:54

Below is generated by plot.py at 2017-12-01 07:36:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 370.07 Mbit/s

95th percentile per-packet one-way delay: 51.446 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 190.12 Mbit/s

95th percentile per-packet one-way delay: 51.128 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 182.84 Mbit/s

95th percentile per-packet one-way delay: 51.679 ms

Loss rate: 0.51%

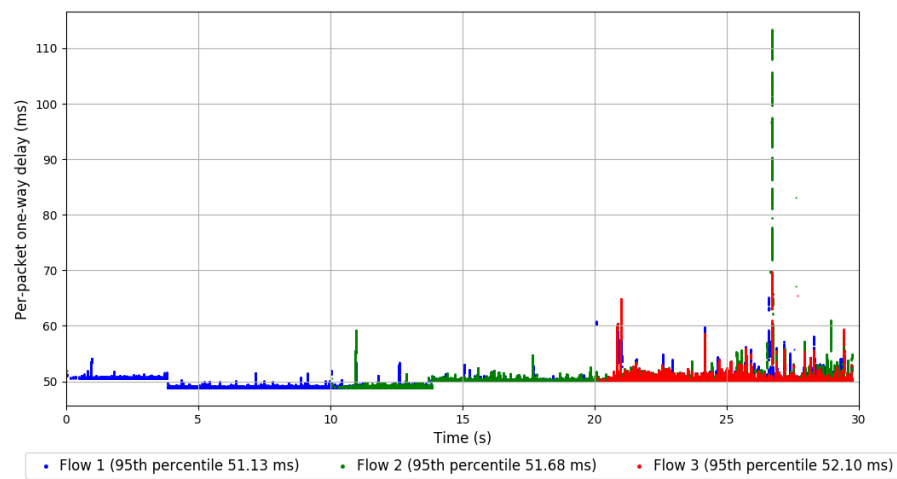
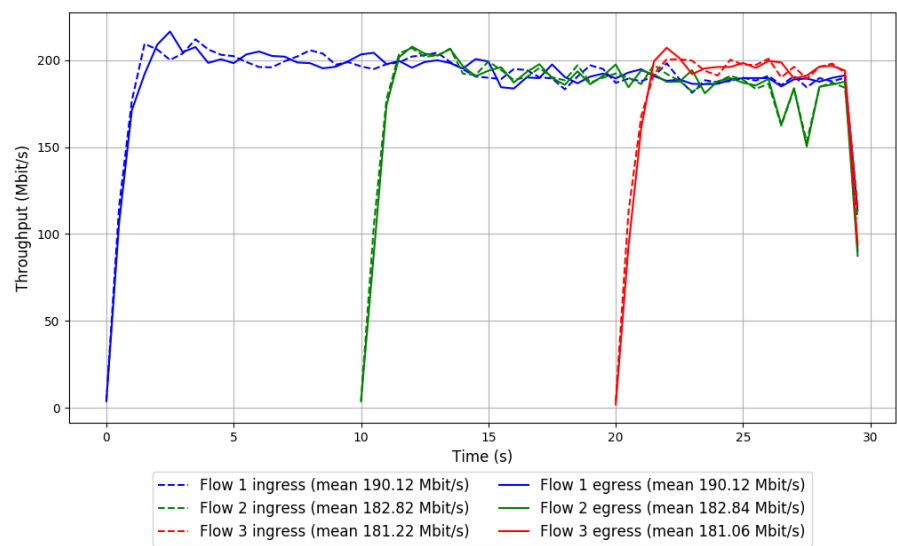
-- Flow 3:

Average throughput: 181.06 Mbit/s

95th percentile per-packet one-way delay: 52.105 ms

Loss rate: 1.11%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-12-01 03:17:57

End at: 2017-12-01 03:18:27

Below is generated by plot.py at 2017-12-01 07:37:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.61 Mbit/s

95th percentile per-packet one-way delay: 51.651 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 192.85 Mbit/s

95th percentile per-packet one-way delay: 51.444 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 189.99 Mbit/s

95th percentile per-packet one-way delay: 51.773 ms

Loss rate: 0.54%

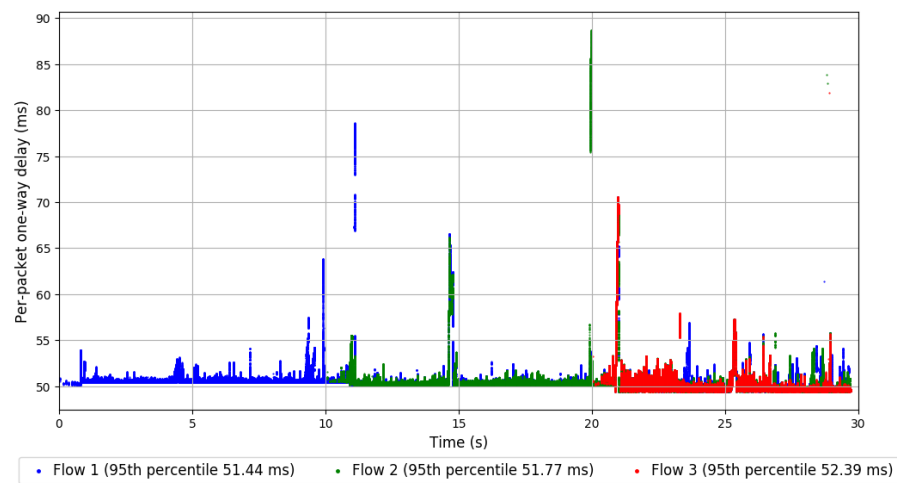
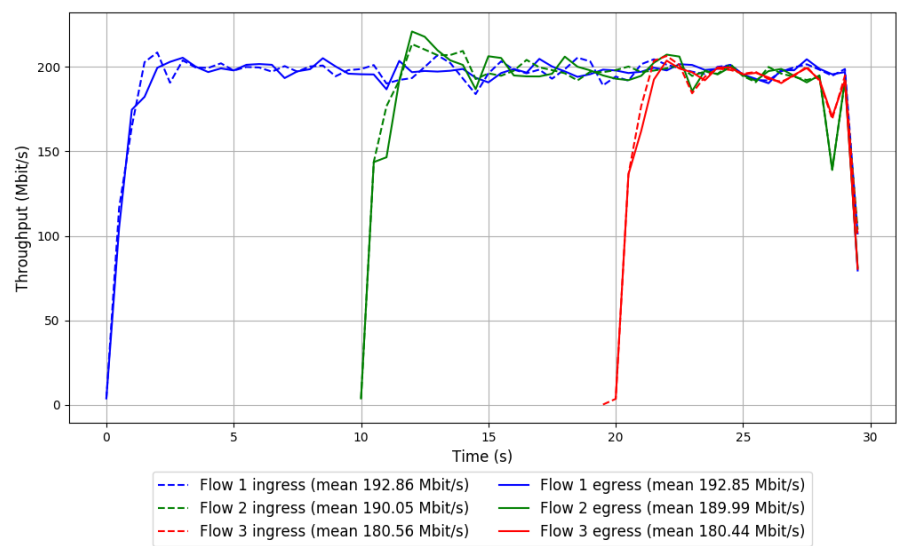
-- Flow 3:

Average throughput: 180.44 Mbit/s

95th percentile per-packet one-way delay: 52.391 ms

Loss rate: 1.11%

Run 5: Report of Indigo — Data Link

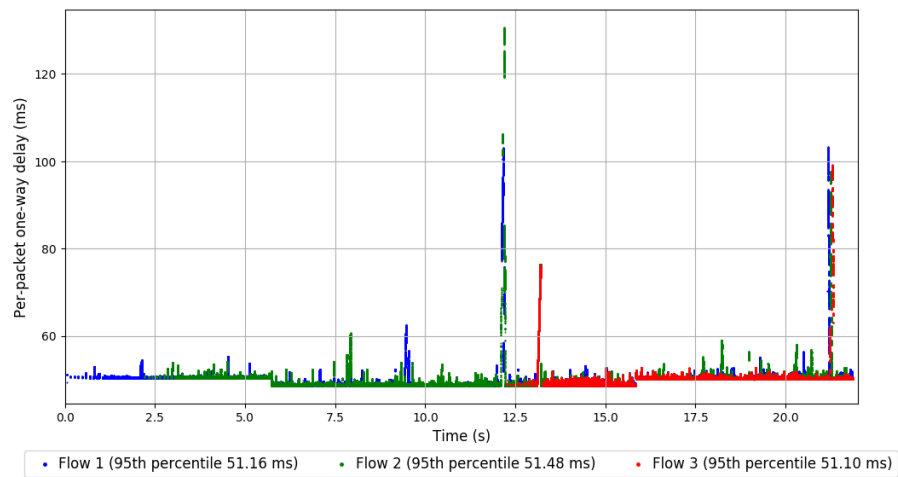
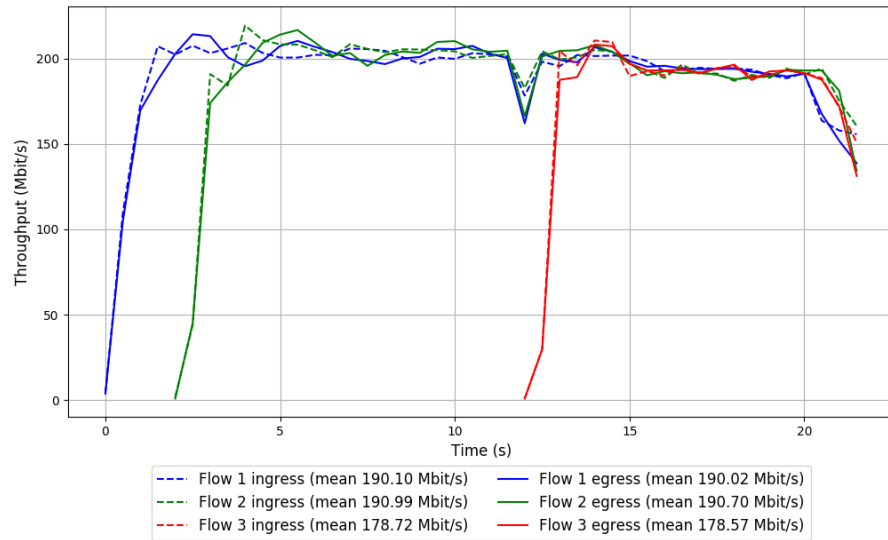


Run 6: Statistics of Indigo

Start at: 2017-12-01 03:30:34

End at: 2017-12-01 03:31:04

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-12-01 03:42:59

End at: 2017-12-01 03:43:29

Below is generated by plot.py at 2017-12-01 07:38:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 371.34 Mbit/s

95th percentile per-packet one-way delay: 50.835 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 190.37 Mbit/s

95th percentile per-packet one-way delay: 50.580 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 185.36 Mbit/s

95th percentile per-packet one-way delay: 50.966 ms

Loss rate: 0.53%

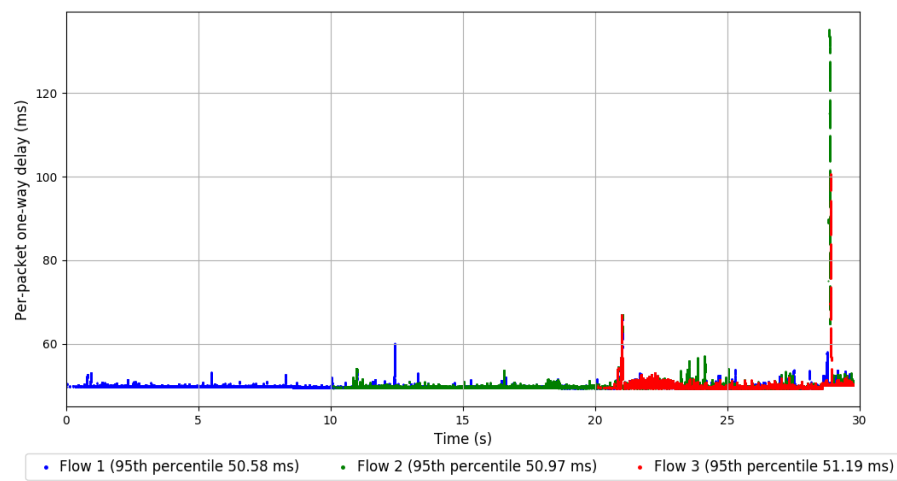
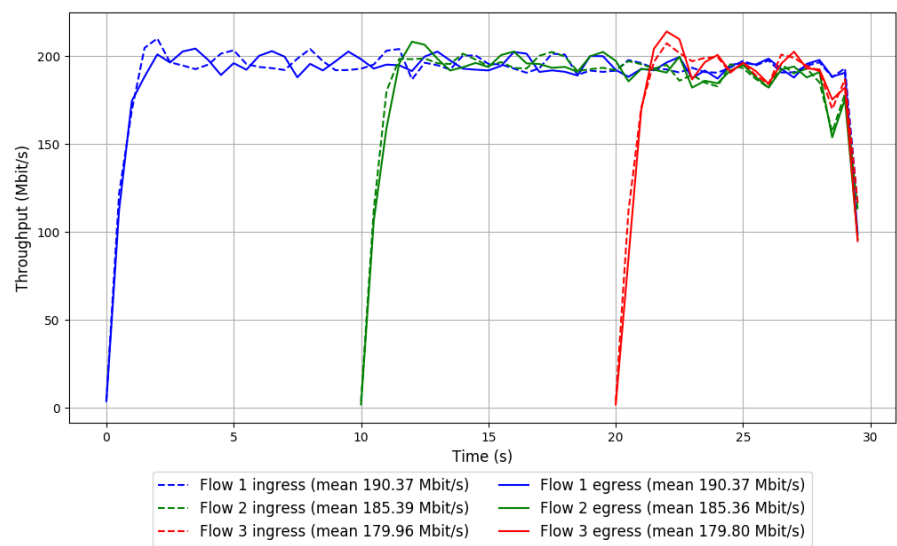
-- Flow 3:

Average throughput: 179.80 Mbit/s

95th percentile per-packet one-way delay: 51.189 ms

Loss rate: 1.12%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-12-01 03:55:37

End at: 2017-12-01 03:56:07

Below is generated by plot.py at 2017-12-01 07:38:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.40 Mbit/s

95th percentile per-packet one-way delay: 51.659 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 195.39 Mbit/s

95th percentile per-packet one-way delay: 51.410 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 185.19 Mbit/s

95th percentile per-packet one-way delay: 51.987 ms

Loss rate: 0.53%

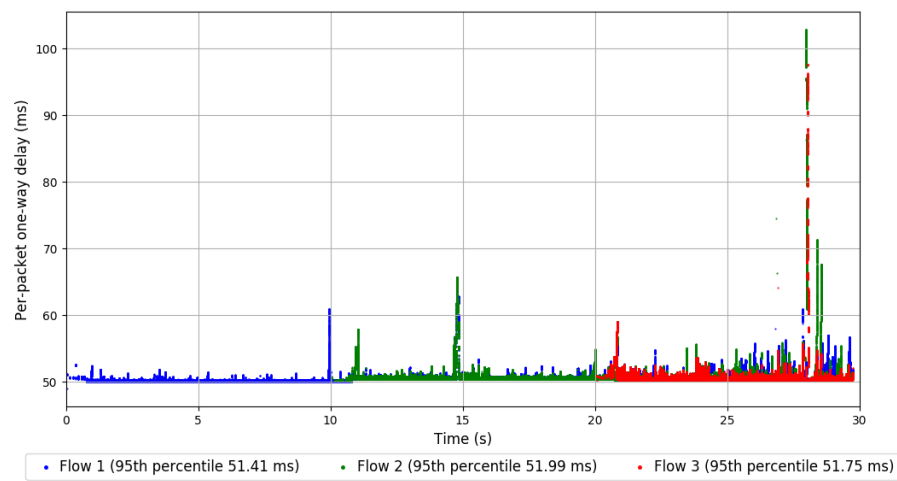
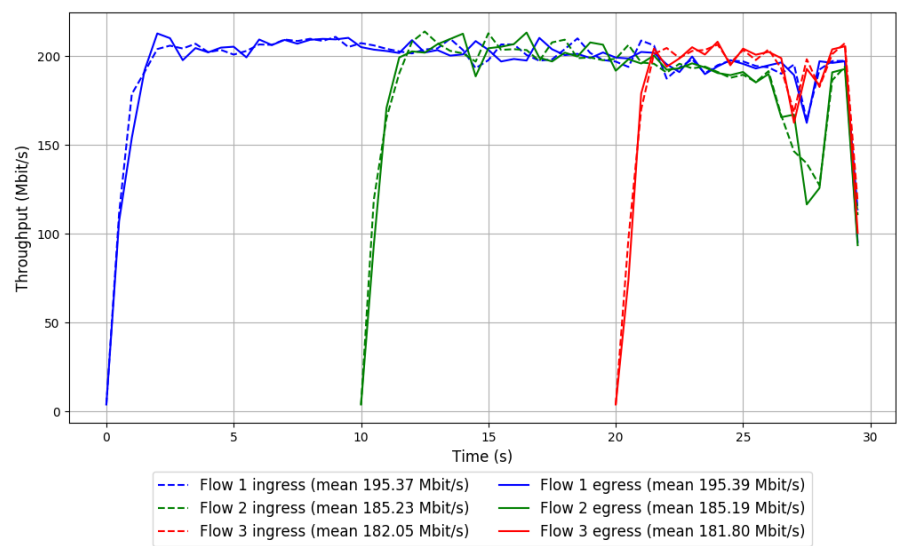
-- Flow 3:

Average throughput: 181.80 Mbit/s

95th percentile per-packet one-way delay: 51.747 ms

Loss rate: 1.14%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-12-01 04:08:19

End at: 2017-12-01 04:08:49

Below is generated by plot.py at 2017-12-01 07:40:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 403.39 Mbit/s

95th percentile per-packet one-way delay: 51.569 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 191.13 Mbit/s

95th percentile per-packet one-way delay: 51.330 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 187.72 Mbit/s

95th percentile per-packet one-way delay: 51.657 ms

Loss rate: 0.50%

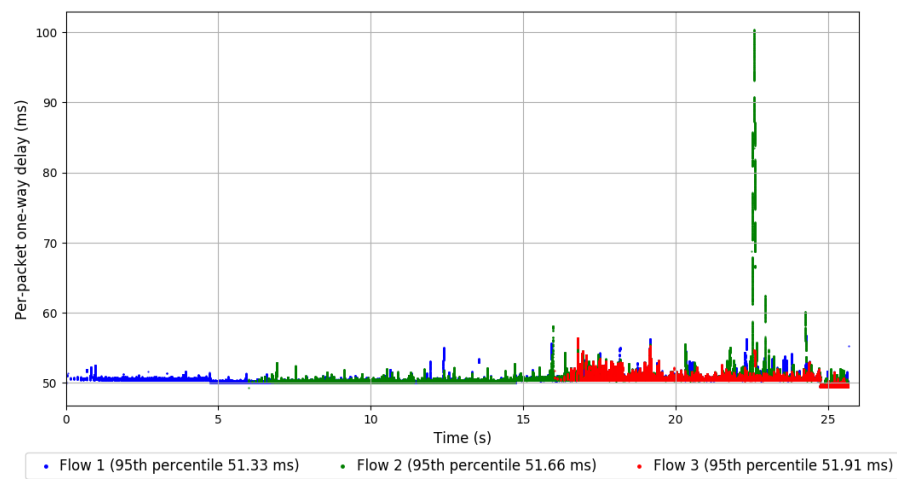
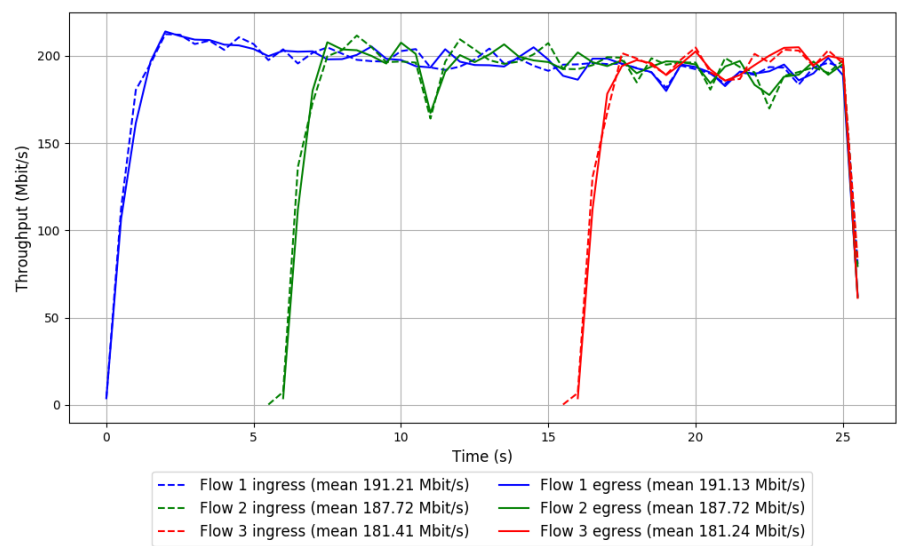
-- Flow 3:

Average throughput: 181.24 Mbit/s

95th percentile per-packet one-way delay: 51.912 ms

Loss rate: 1.15%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-12-01 04:20:49

End at: 2017-12-01 04:21:19

Below is generated by plot.py at 2017-12-01 07:40:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 364.55 Mbit/s

95th percentile per-packet one-way delay: 51.872 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 187.38 Mbit/s

95th percentile per-packet one-way delay: 51.610 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 181.77 Mbit/s

95th percentile per-packet one-way delay: 51.989 ms

Loss rate: 0.54%

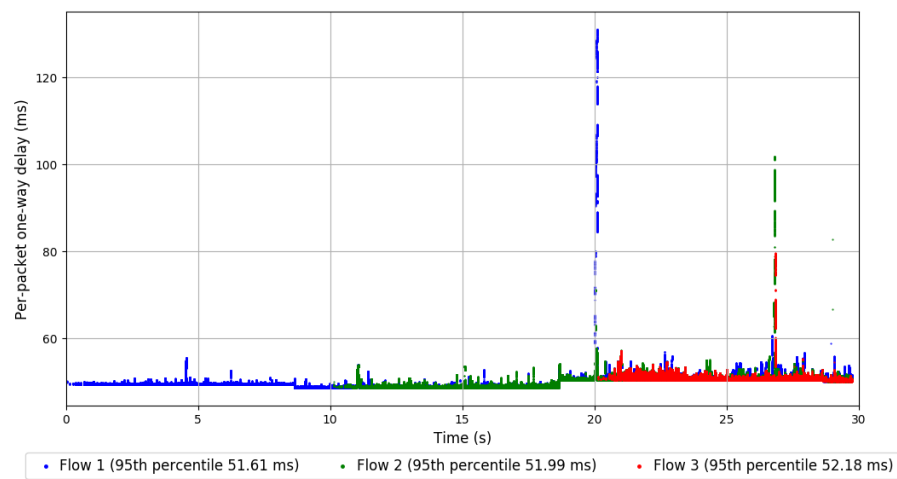
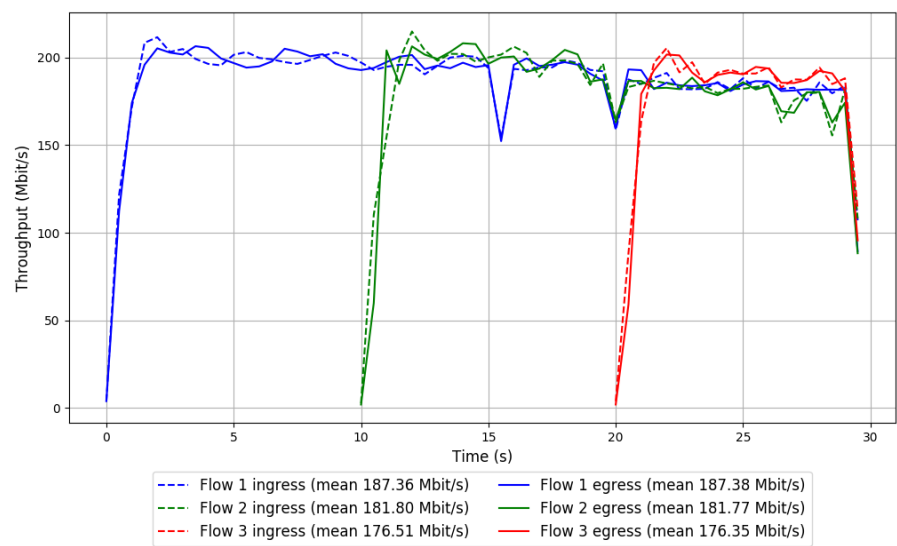
-- Flow 3:

Average throughput: 176.35 Mbit/s

95th percentile per-packet one-way delay: 52.179 ms

Loss rate: 1.14%

Run 10: Report of Indigo — Data Link

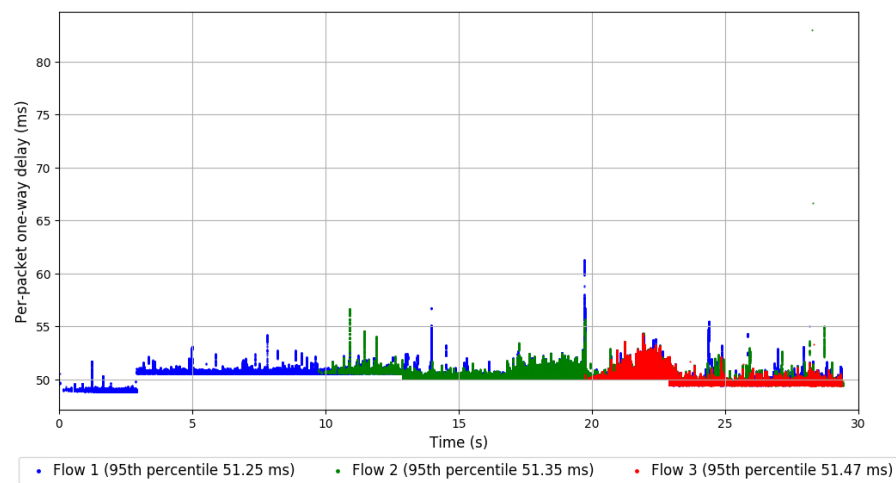
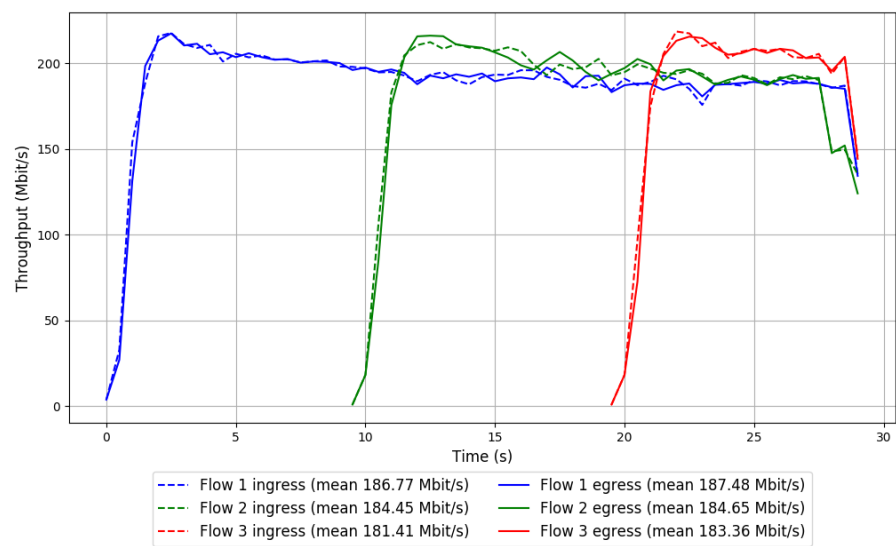


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-01 02:17:04
End at: 2017-12-01 02:17:34

# Below is generated by plot.py at 2017-12-01 07:41:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 370.69 Mbit/s
95th percentile per-packet one-way delay: 51.317 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 187.48 Mbit/s
95th percentile per-packet one-way delay: 51.251 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 184.65 Mbit/s
95th percentile per-packet one-way delay: 51.353 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 183.36 Mbit/s
95th percentile per-packet one-way delay: 51.467 ms
Loss rate: 0.57%
```

Run 1: Report of Indigo-calib — Data Link

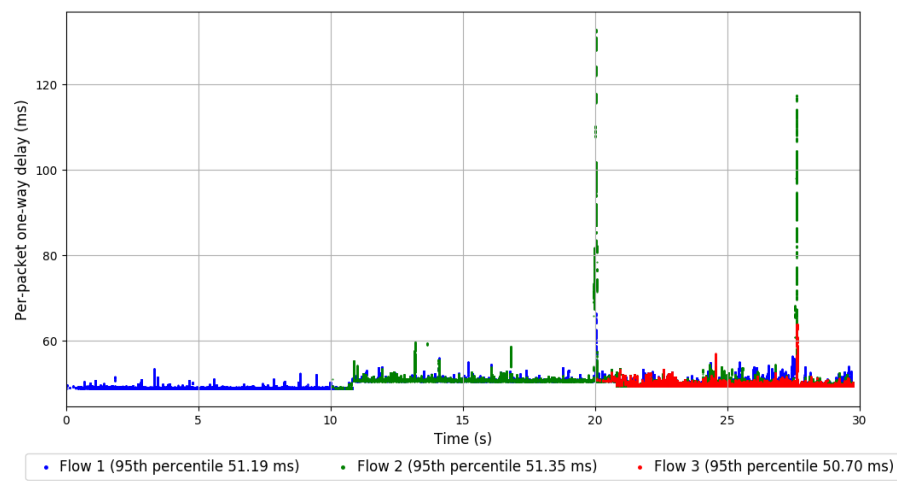
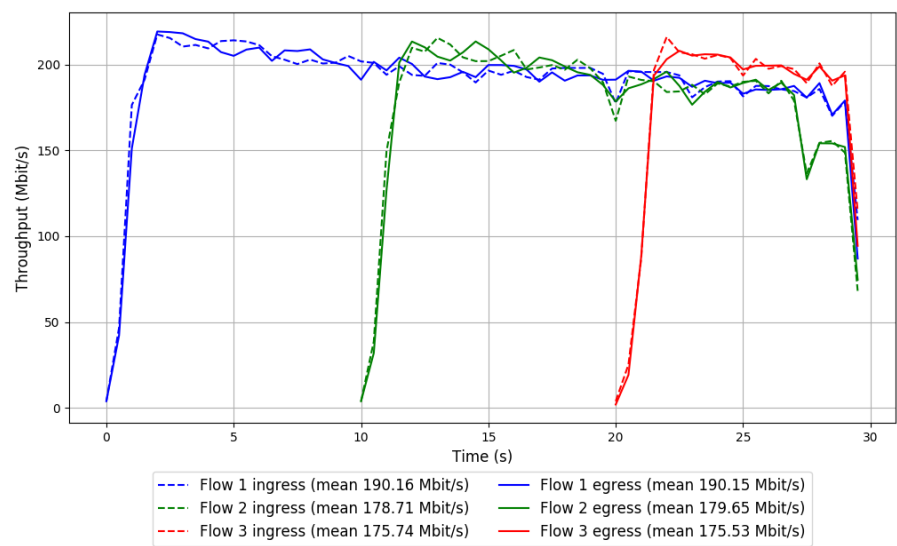


```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-01 02:29:37
End at: 2017-12-01 02:30:07

# Below is generated by plot.py at 2017-12-01 07:42:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.35 Mbit/s
95th percentile per-packet one-way delay: 51.198 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 190.15 Mbit/s
95th percentile per-packet one-way delay: 51.193 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 179.65 Mbit/s
95th percentile per-packet one-way delay: 51.352 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 175.53 Mbit/s
95th percentile per-packet one-way delay: 50.704 ms
Loss rate: 1.16%
```

Run 2: Report of Indigo-calib — Data Link

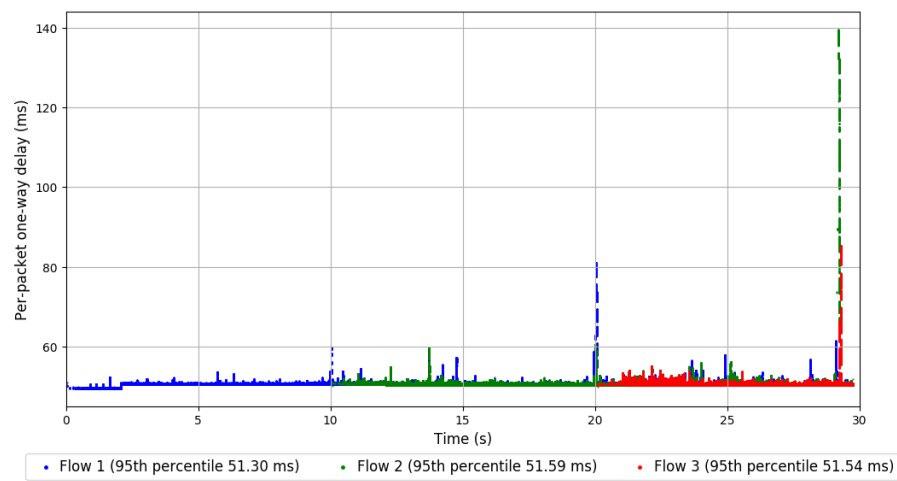
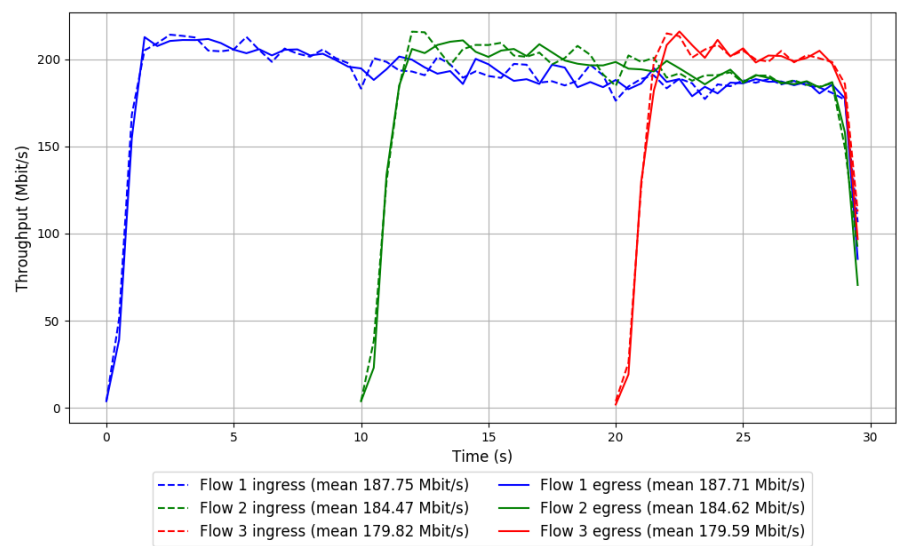


```
Run 3: Statistics of Indigo-calib

Start at: 2017-12-01 02:42:16
End at: 2017-12-01 02:42:46

# Below is generated by plot.py at 2017-12-01 07:43:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.36 Mbit/s
95th percentile per-packet one-way delay: 51.443 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 187.71 Mbit/s
95th percentile per-packet one-way delay: 51.300 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 184.62 Mbit/s
95th percentile per-packet one-way delay: 51.592 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 179.59 Mbit/s
95th percentile per-packet one-way delay: 51.539 ms
Loss rate: 1.16%
```


Run 3: Report of Indigo-calib — Data Link

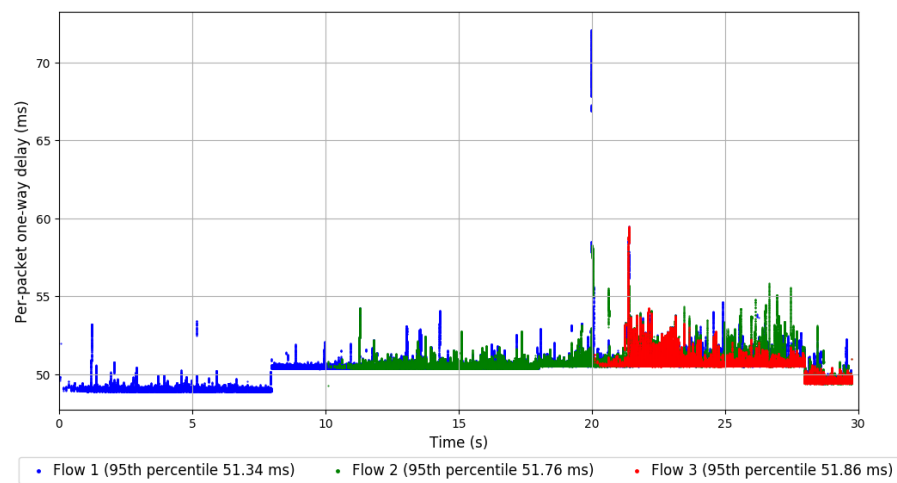
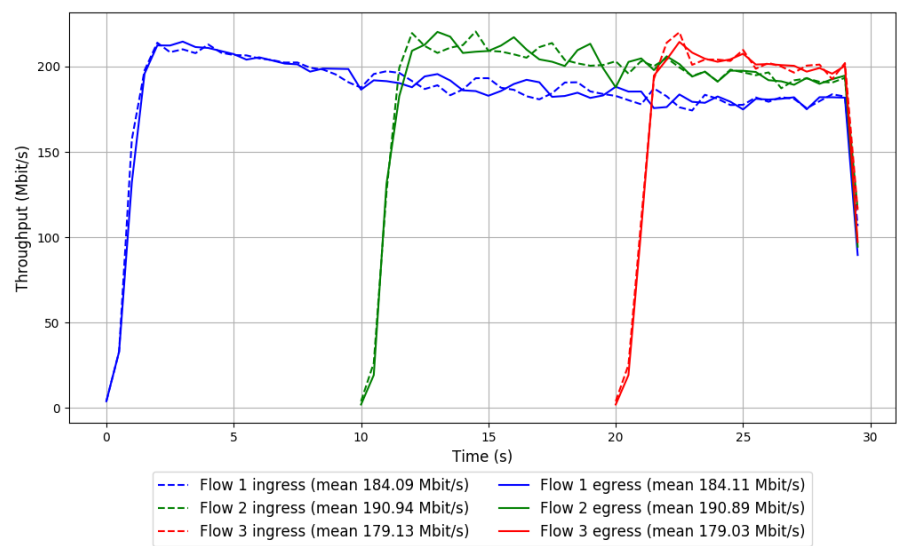


```
Run 4: Statistics of Indigo-calib

Start at: 2017-12-01 02:55:00
End at: 2017-12-01 02:55:30

# Below is generated by plot.py at 2017-12-01 07:43:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 368.68 Mbit/s
95th percentile per-packet one-way delay: 51.607 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 184.11 Mbit/s
95th percentile per-packet one-way delay: 51.343 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 190.89 Mbit/s
95th percentile per-packet one-way delay: 51.761 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 179.03 Mbit/s
95th percentile per-packet one-way delay: 51.858 ms
Loss rate: 1.09%
```

Run 4: Report of Indigo-calib — Data Link

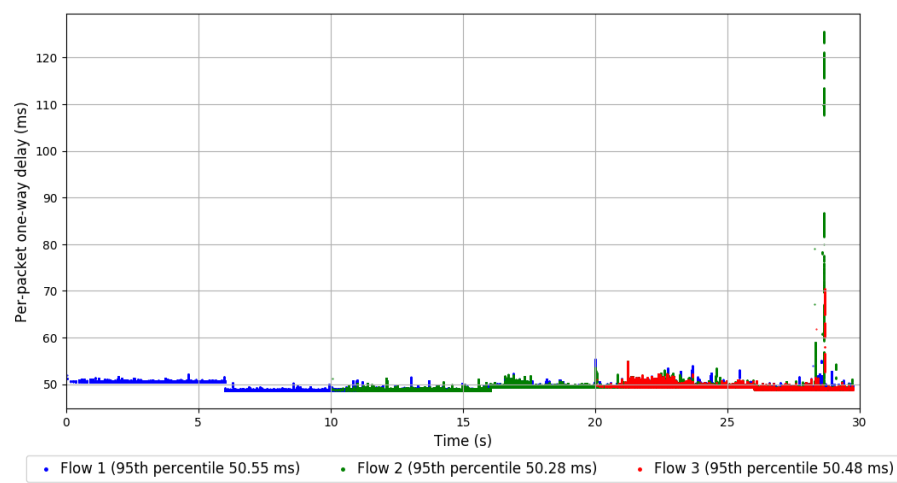
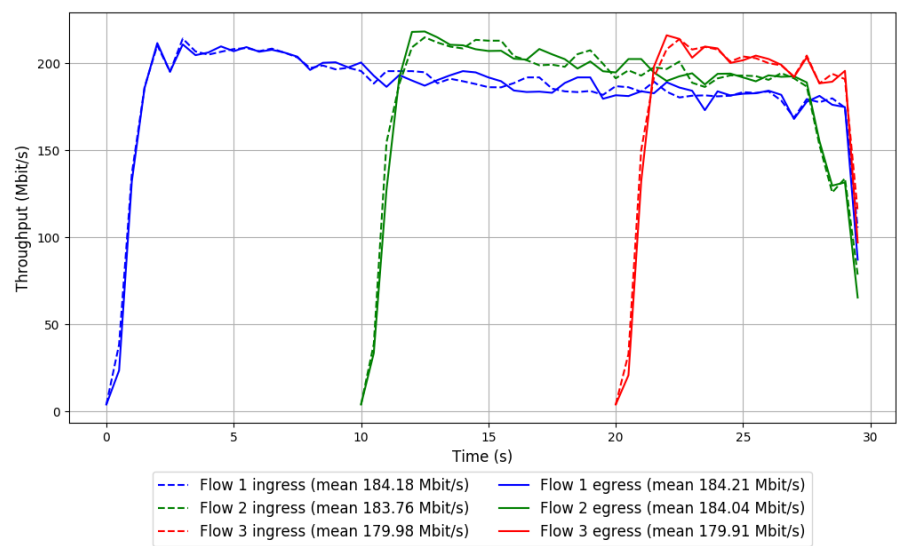


```
Run 5: Statistics of Indigo-calib

Start at: 2017-12-01 03:07:32
End at: 2017-12-01 03:08:02

# Below is generated by plot.py at 2017-12-01 07:44:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 364.83 Mbit/s
95th percentile per-packet one-way delay: 50.540 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 184.21 Mbit/s
95th percentile per-packet one-way delay: 50.553 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 184.04 Mbit/s
95th percentile per-packet one-way delay: 50.282 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 179.91 Mbit/s
95th percentile per-packet one-way delay: 50.476 ms
Loss rate: 1.06%
```

Run 5: Report of Indigo-calib — Data Link

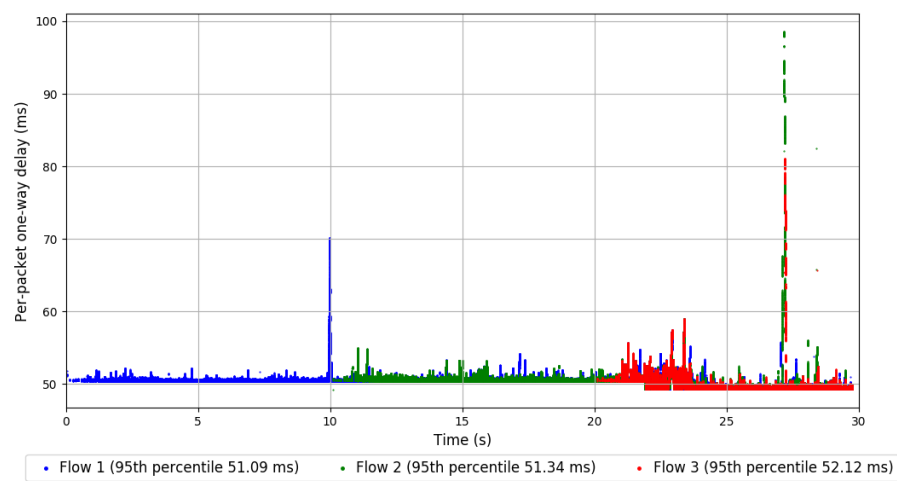
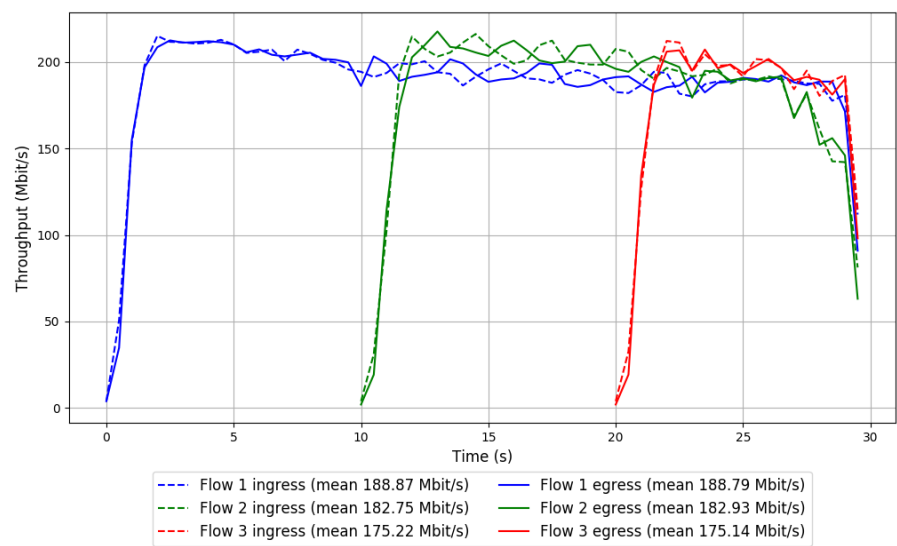


```
Run 6: Statistics of Indigo-calib

Start at: 2017-12-01 03:20:06
End at: 2017-12-01 03:20:36

# Below is generated by plot.py at 2017-12-01 07:44:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.82 Mbit/s
95th percentile per-packet one-way delay: 51.335 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 188.79 Mbit/s
95th percentile per-packet one-way delay: 51.091 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 182.93 Mbit/s
95th percentile per-packet one-way delay: 51.340 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 175.14 Mbit/s
95th percentile per-packet one-way delay: 52.122 ms
Loss rate: 1.06%
```

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-12-01 03:32:39

End at: 2017-12-01 03:33:09

Below is generated by plot.py at 2017-12-01 07:45:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 360.41 Mbit/s

95th percentile per-packet one-way delay: 50.952 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 186.41 Mbit/s

95th percentile per-packet one-way delay: 50.895 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 173.86 Mbit/s

95th percentile per-packet one-way delay: 51.003 ms

Loss rate: 0.04%

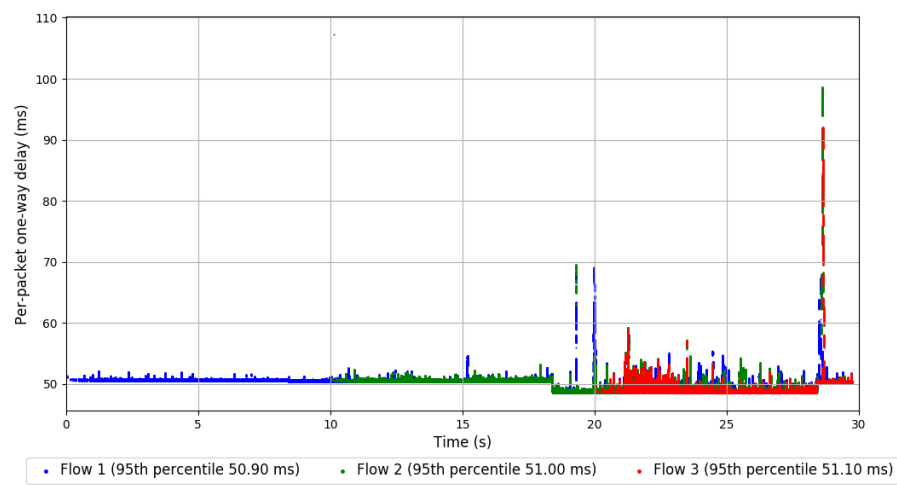
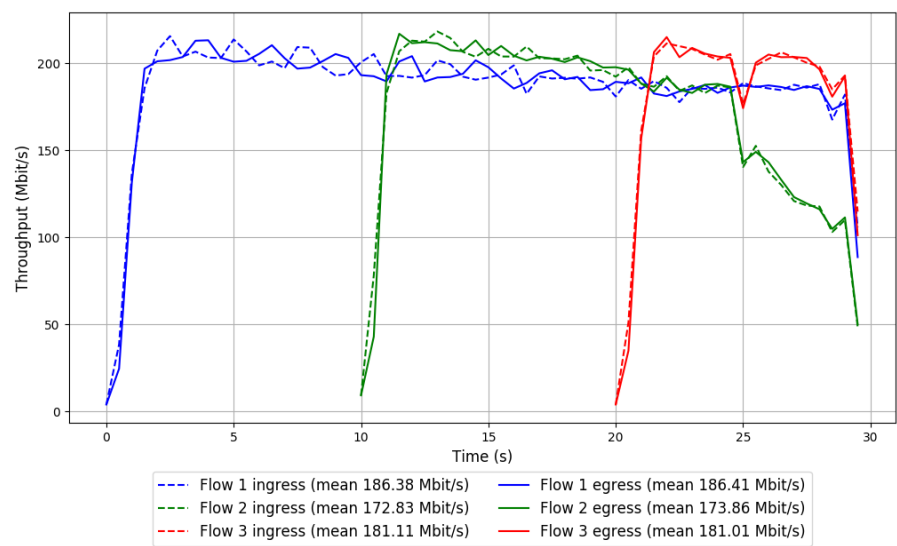
-- Flow 3:

Average throughput: 181.01 Mbit/s

95th percentile per-packet one-way delay: 51.096 ms

Loss rate: 1.08%

Run 7: Report of Indigo-calib — Data Link

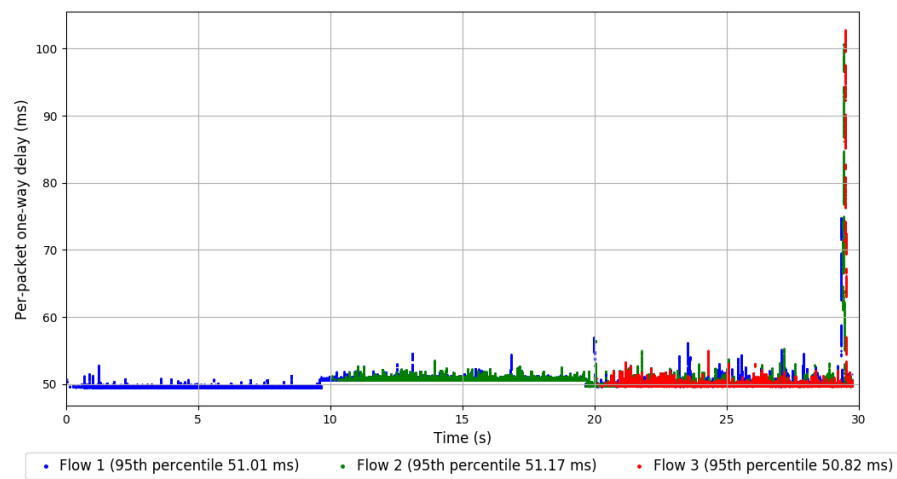
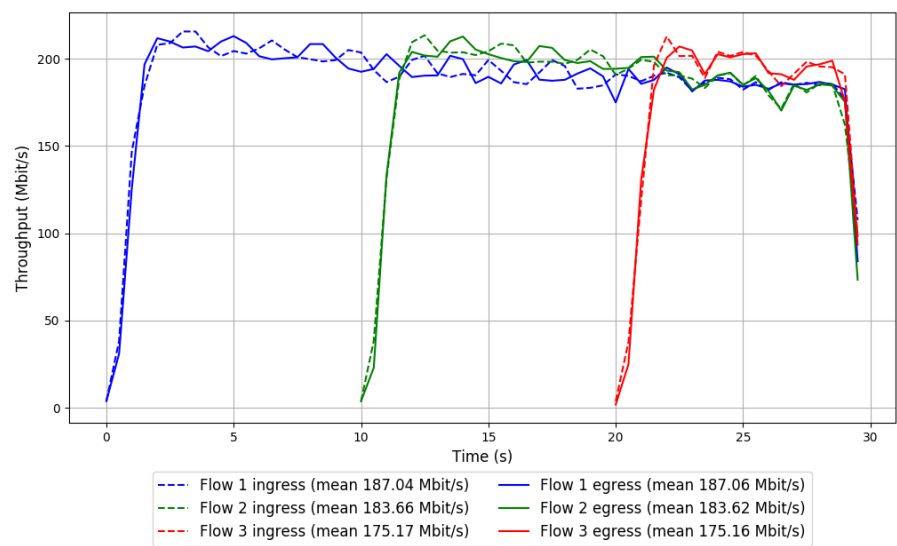


```
Run 8: Statistics of Indigo-calib

Start at: 2017-12-01 03:45:08
End at: 2017-12-01 03:45:38

# Below is generated by plot.py at 2017-12-01 07:45:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 365.63 Mbit/s
95th percentile per-packet one-way delay: 51.056 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 187.06 Mbit/s
95th percentile per-packet one-way delay: 51.008 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 183.62 Mbit/s
95th percentile per-packet one-way delay: 51.171 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 175.16 Mbit/s
95th percentile per-packet one-way delay: 50.816 ms
Loss rate: 1.05%
```

Run 8: Report of Indigo-calib — Data Link



Run 9: Statistics of Indigo-calib

Start at: 2017-12-01 03:57:45

End at: 2017-12-01 03:58:15

Below is generated by plot.py at 2017-12-01 07:45:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.38 Mbit/s

95th percentile per-packet one-way delay: 50.910 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 181.89 Mbit/s

95th percentile per-packet one-way delay: 50.773 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 184.44 Mbit/s

95th percentile per-packet one-way delay: 51.281 ms

Loss rate: 0.47%

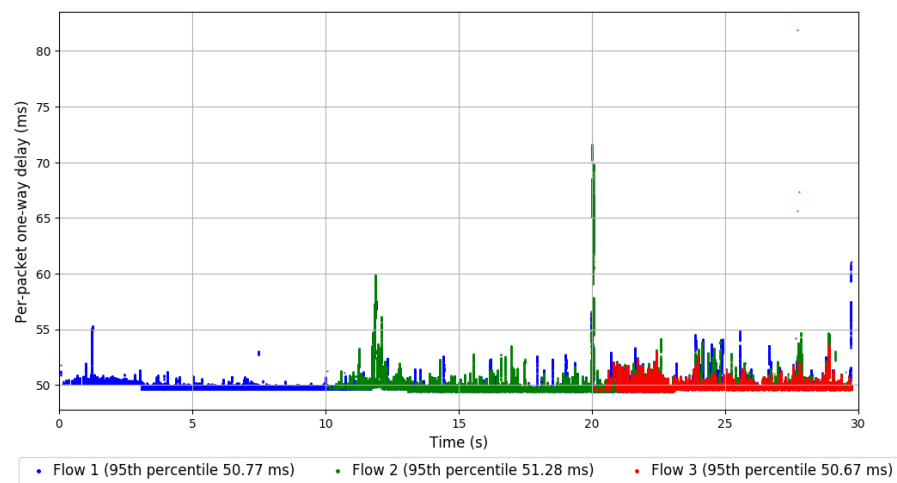
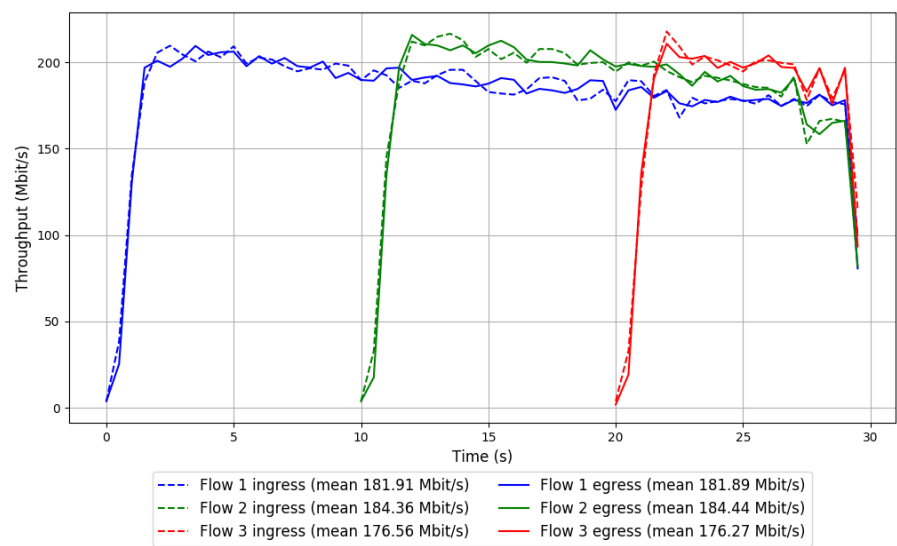
-- Flow 3:

Average throughput: 176.27 Mbit/s

95th percentile per-packet one-way delay: 50.671 ms

Loss rate: 1.16%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-01 04:10:26

End at: 2017-12-01 04:10:56

Below is generated by plot.py at 2017-12-01 07:45:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.97 Mbit/s

95th percentile per-packet one-way delay: 51.678 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 181.42 Mbit/s

95th percentile per-packet one-way delay: 51.202 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 179.02 Mbit/s

95th percentile per-packet one-way delay: 51.991 ms

Loss rate: 0.37%

-- Flow 3:

Average throughput: 178.22 Mbit/s

95th percentile per-packet one-way delay: 52.830 ms

Loss rate: 1.11%

Run 10: Report of Indigo-calib — Data Link

