

Pantheon Report

Generated at 2019-12-11 19:00:44 (UTC).

Data path: Stanford on **eno1** (*remote*) → AWS California 1 on **ens5** (*local*).

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

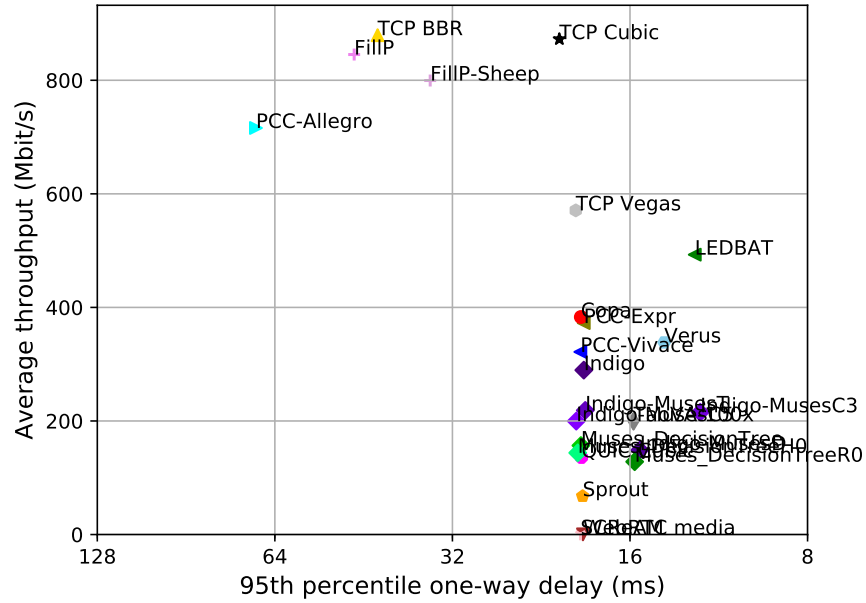
```
Linux 4.15.0-1054-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

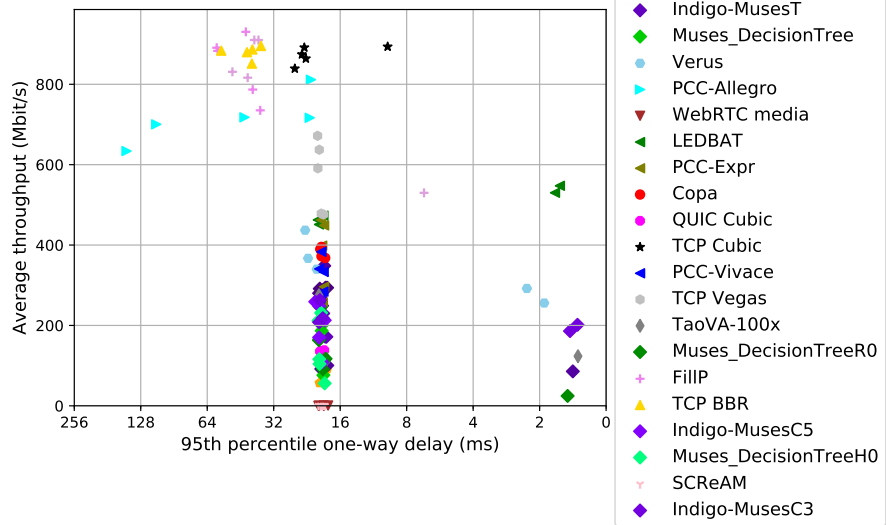
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
```

```
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Stanford to AWS California 1, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Stanford to AWS California 1, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	502.27	402.55	328.66	20.86	32.86	31.96	0.16	0.44	0.45
Copa	5	235.17	169.77	105.24	4.64	8.23	12.20	0.00	0.02	0.10
TCP Cubic	5	489.08	412.05	327.60	18.40	14.54	11.06	0.04	0.06	0.11
FillP	5	530.24	316.13	317.15	43.93	30.40	41.66	0.31	0.14	0.31
FillP-Sheep	5	521.96	312.66	210.80	35.73	24.43	23.82	0.15	0.06	0.18
Indigo	5	155.68	141.73	120.79	15.59	15.59	1.17	0.03	0.08	0.02
Indigo-MusesC3	5	171.77	58.24	30.35	8.14	12.19	15.54	0.01	0.03	0.37
Indigo-MusesC5	5	153.66	57.88	41.10	16.01	11.97	8.10	0.03	0.03	0.17
Indigo-MusesD	5	111.99	41.54	42.79	4.54	8.15	11.96	0.02	0.03	0.20
Indigo-MusesT	5	178.89	45.18	46.16	11.99	0.83	15.31	0.01	0.02	0.26
LEDBAT	5	285.98	217.81	186.52	12.00	12.80	5.33	0.03	0.09	0.07
Muses_DecisionTree	5	124.82	42.05	13.53	15.60	15.56	8.20	0.01	0.05	0.07
Muses_DecisionTreeH0	5	83.27	74.98	35.16	8.49	15.59	8.35	0.01	0.03	0.06
Muses_DecisionTreeR0	5	92.96	47.99	11.77	12.03	11.92	11.90	0.01	0.04	0.10
PCC-Allegro	5	579.62	123.56	165.51	39.84	41.44	12.94	0.03	0.12	0.11
PCC-Expr	5	262.34	152.05	27.49	12.12	11.97	8.16	0.03	0.09	0.15
QUIC Cubic	5	73.17	66.81	54.96	11.97	19.12	8.45	0.03	0.09	0.11
SCReAM	5	0.22	0.22	0.22	8.20	19.43	8.35	0.03	0.19	0.07
Sprout	5	29.70	34.89	44.78	15.71	11.98	4.47	0.09	0.02	0.08
TaoVA-100x	5	118.89	72.93	96.99	8.57	4.66	15.84	0.01	0.02	0.12
TCP Vegas	5	262.24	343.13	240.97	12.47	12.33	5.55	0.04	0.05	0.05
Verus	5	196.82	166.82	92.92	10.90	6.30	9.17	0.03	0.03	0.04
PCC-Vivace	5	216.66	111.63	93.28	12.13	12.10	11.91	0.02	0.06	0.10
WebRTC media	5	0.05	0.05	0.18	11.78	8.18	12.24	0.02	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-12-11 15:06:01

End at: 2019-12-11 15:06:31

Local clock offset: 3.155 ms

Remote clock offset: 5.459 ms

Below is generated by plot.py at 2019-12-11 18:02:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 851.50 Mbit/s

95th percentile per-packet one-way delay: 40.181 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 468.73 Mbit/s

95th percentile per-packet one-way delay: 41.675 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 410.48 Mbit/s

95th percentile per-packet one-way delay: 6.063 ms

Loss rate: 0.02%

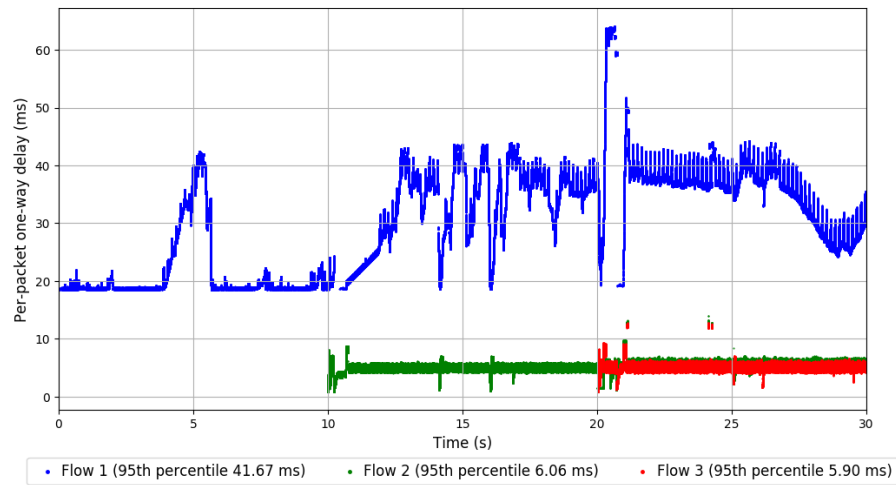
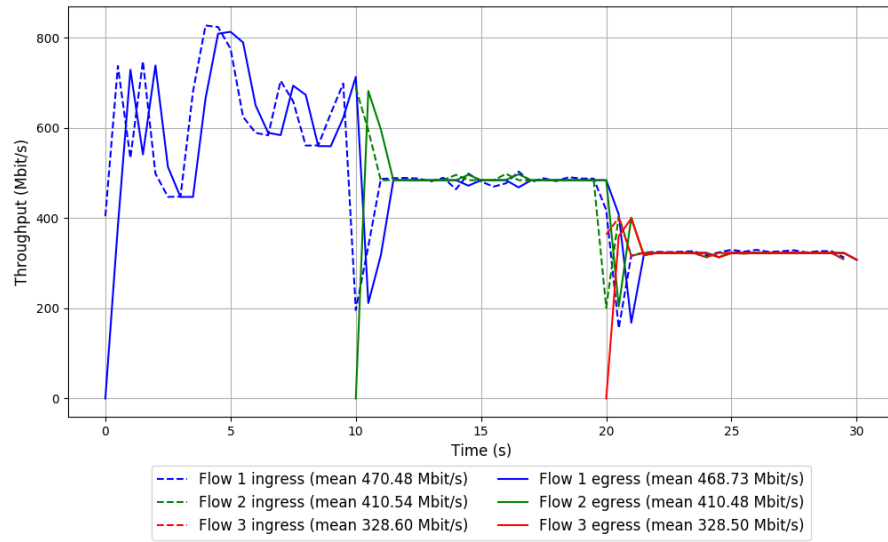
-- Flow 3:

Average throughput: 328.50 Mbit/s

95th percentile per-packet one-way delay: 5.902 ms

Loss rate: 0.06%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-12-11 15:41:03

End at: 2019-12-11 15:41:33

Local clock offset: 3.365 ms

Remote clock offset: 9.834 ms

Below is generated by plot.py at 2019-12-11 18:03:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 886.58 Mbit/s

95th percentile per-packet one-way delay: 39.980 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 512.00 Mbit/s

95th percentile per-packet one-way delay: 5.576 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 397.35 Mbit/s

95th percentile per-packet one-way delay: 42.689 ms

Loss rate: 0.83%

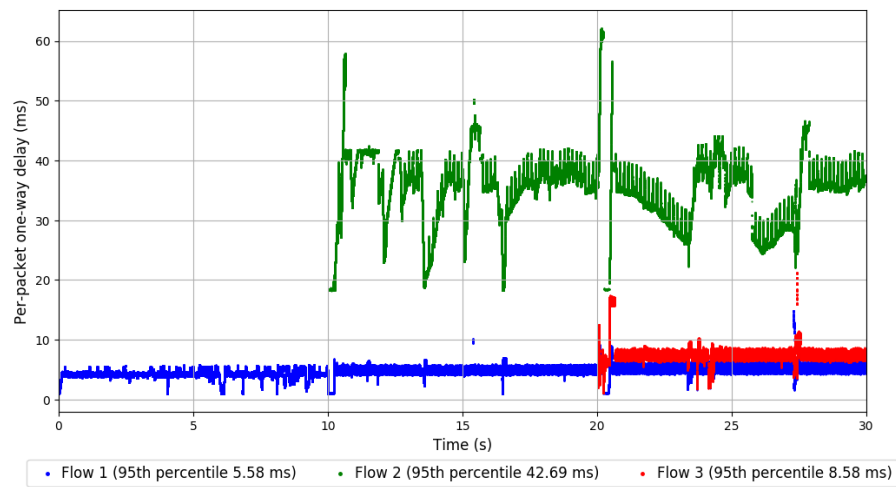
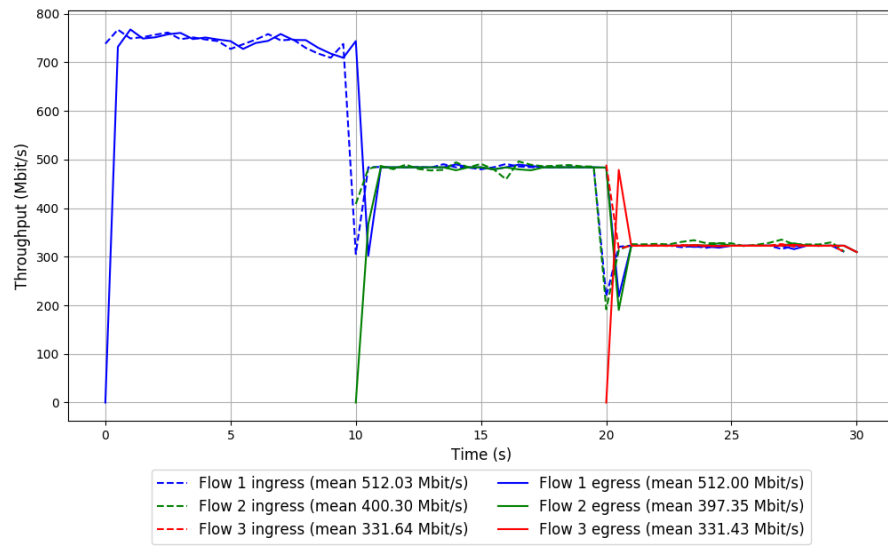
-- Flow 3:

Average throughput: 331.43 Mbit/s

95th percentile per-packet one-way delay: 8.583 ms

Loss rate: 0.09%

Run 2: Report of TCP BBR — Data Link

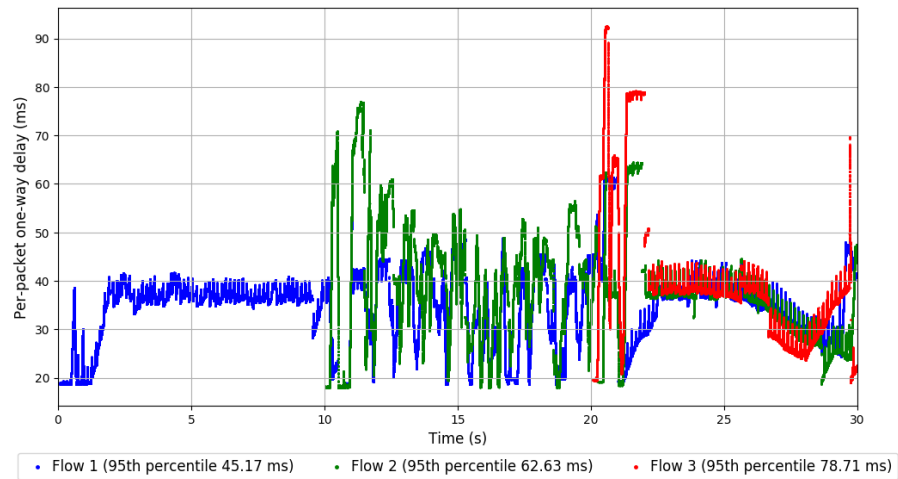
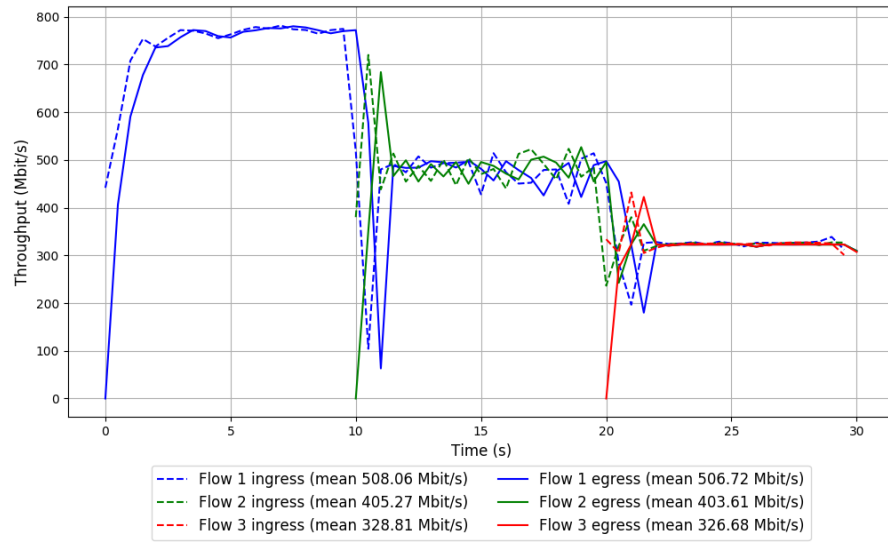


Run 3: Statistics of TCP BBR

Start at: 2019-12-11 16:15:40
End at: 2019-12-11 16:16:10
Local clock offset: 3.015 ms
Remote clock offset: -1.363 ms

Below is generated by plot.py at 2019-12-11 18:03:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 883.74 Mbit/s
95th percentile per-packet one-way delay: 55.276 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 506.72 Mbit/s
95th percentile per-packet one-way delay: 45.171 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 403.61 Mbit/s
95th percentile per-packet one-way delay: 62.631 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 326.68 Mbit/s
95th percentile per-packet one-way delay: 78.713 ms
Loss rate: 0.86%

Run 3: Report of TCP BBR — Data Link

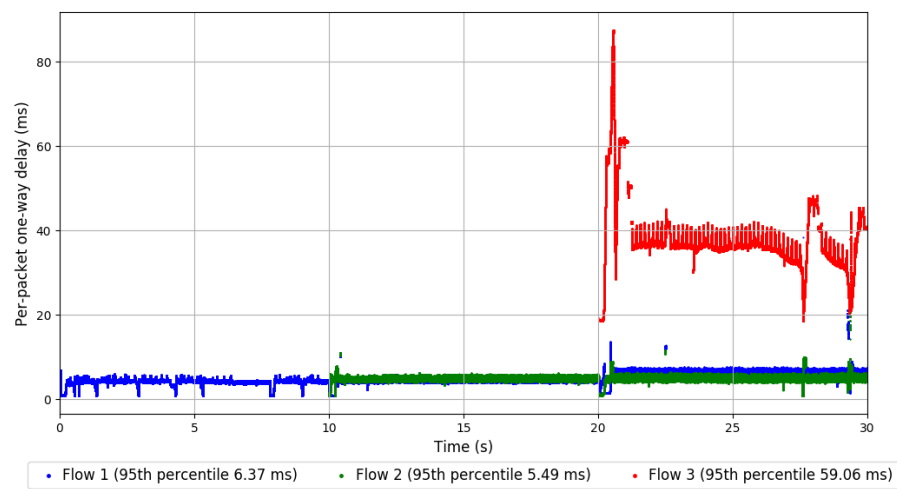
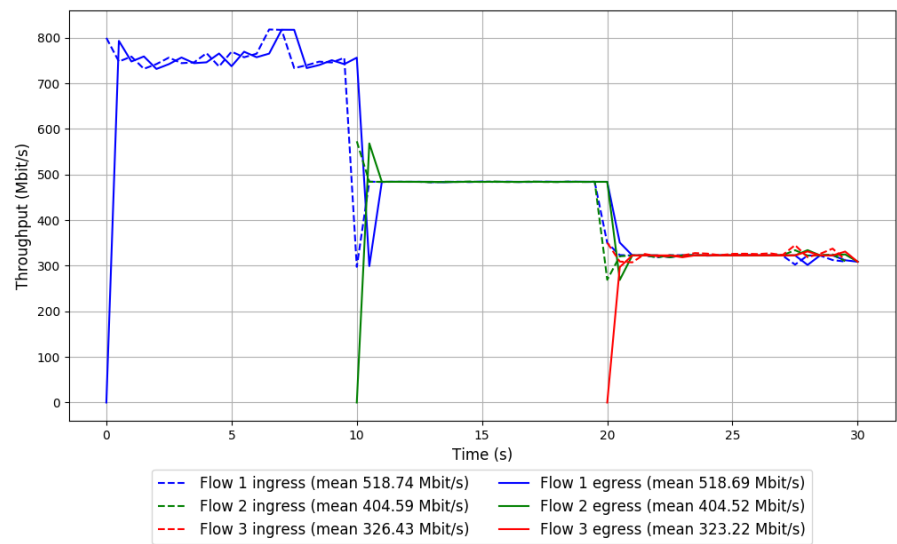


Run 4: Statistics of TCP BBR

Start at: 2019-12-11 16:50:45
End at: 2019-12-11 16:51:15
Local clock offset: 2.866 ms
Remote clock offset: -4.857 ms

Below is generated by plot.py at 2019-12-11 18:03:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 895.37 Mbit/s
95th percentile per-packet one-way delay: 36.561 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 518.69 Mbit/s
95th percentile per-packet one-way delay: 6.365 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 404.52 Mbit/s
95th percentile per-packet one-way delay: 5.492 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 323.22 Mbit/s
95th percentile per-packet one-way delay: 59.064 ms
Loss rate: 1.17%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-12-11 17:25:52

End at: 2019-12-11 17:26:22

Local clock offset: 3.502 ms

Remote clock offset: 3.561 ms

Below is generated by plot.py at 2019-12-11 18:03:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 879.91 Mbit/s

95th percentile per-packet one-way delay: 42.280 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 505.21 Mbit/s

95th percentile per-packet one-way delay: 5.532 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 396.78 Mbit/s

95th percentile per-packet one-way delay: 47.449 ms

Loss rate: 0.81%

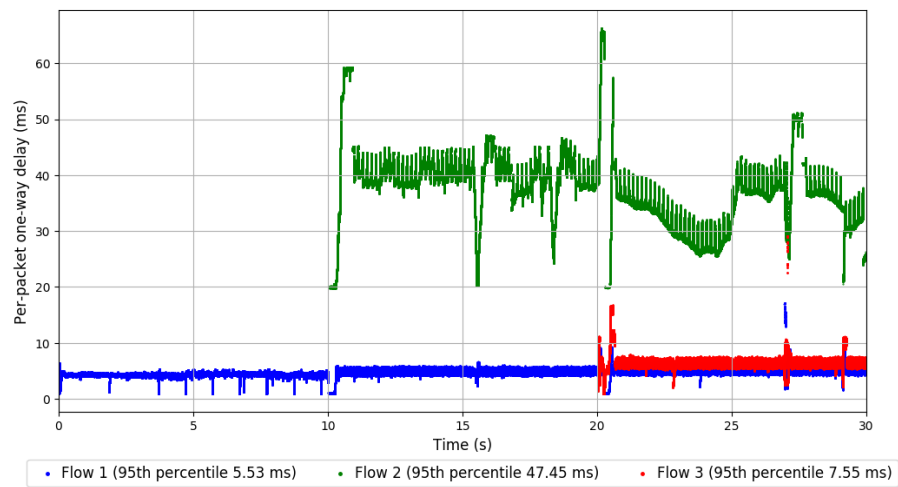
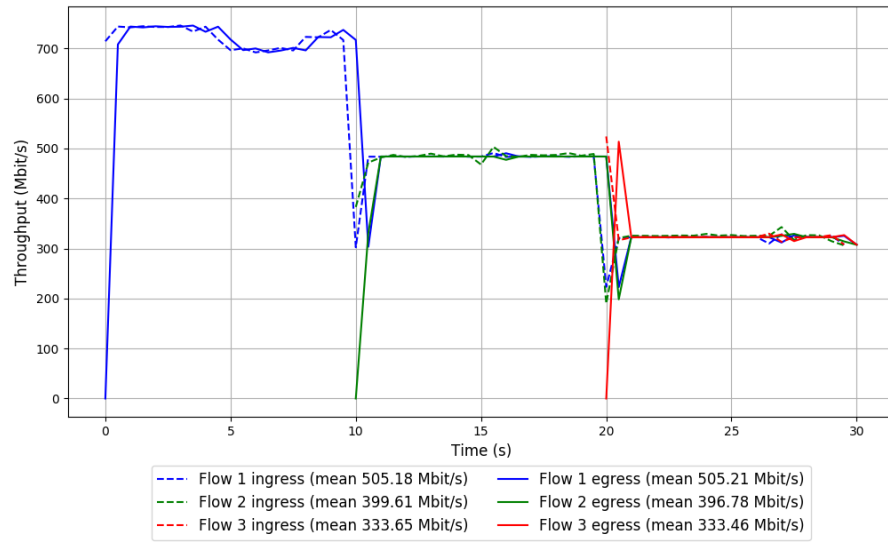
-- Flow 3:

Average throughput: 333.46 Mbit/s

95th percentile per-packet one-way delay: 7.546 ms

Loss rate: 0.07%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-12-11 15:14:44

End at: 2019-12-11 15:15:14

Local clock offset: 3.21 ms

Remote clock offset: 6.655 ms

Below is generated by plot.py at 2019-12-11 18:03:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 395.43 Mbit/s

95th percentile per-packet one-way delay: 19.455 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 250.52 Mbit/s

95th percentile per-packet one-way delay: 0.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 160.77 Mbit/s

95th percentile per-packet one-way delay: 19.530 ms

Loss rate: 0.06%

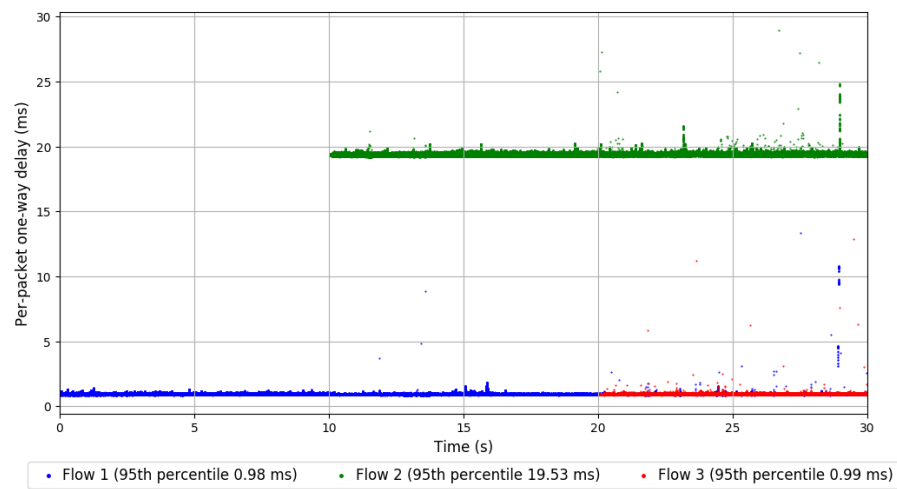
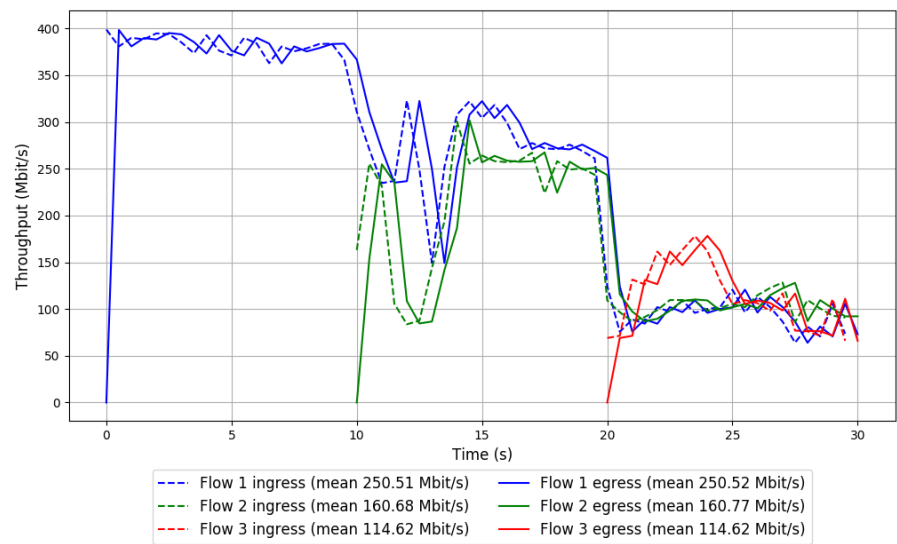
-- Flow 3:

Average throughput: 114.62 Mbit/s

95th percentile per-packet one-way delay: 0.993 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link

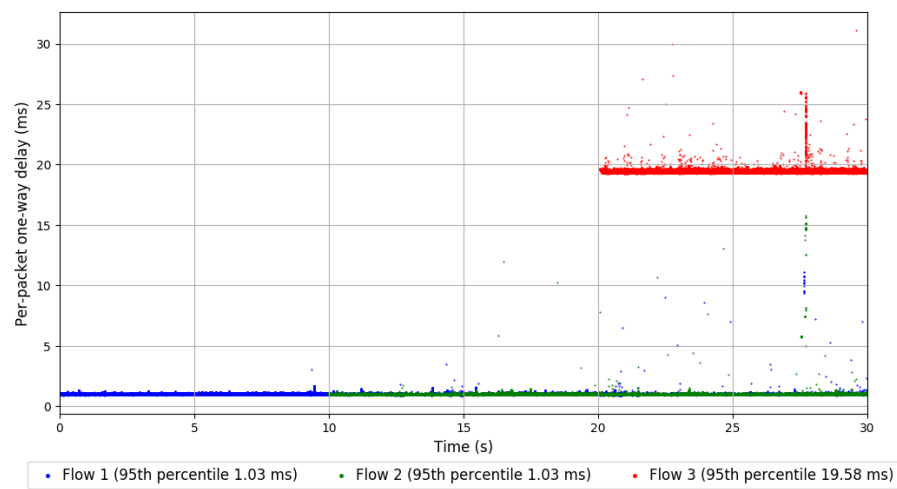
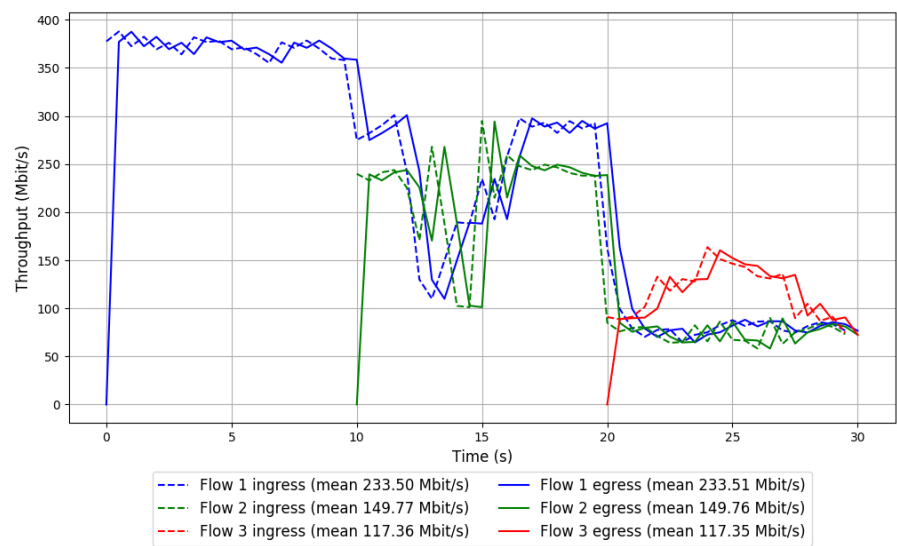


Run 2: Statistics of Copa

Start at: 2019-12-11 15:49:43
End at: 2019-12-11 15:50:13
Local clock offset: 3.222 ms
Remote clock offset: 10.857 ms

Below is generated by plot.py at 2019-12-11 18:03:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.07 Mbit/s
95th percentile per-packet one-way delay: 19.446 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 233.51 Mbit/s
95th percentile per-packet one-way delay: 1.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 149.76 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 117.35 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.21%

Run 2: Report of Copa — Data Link

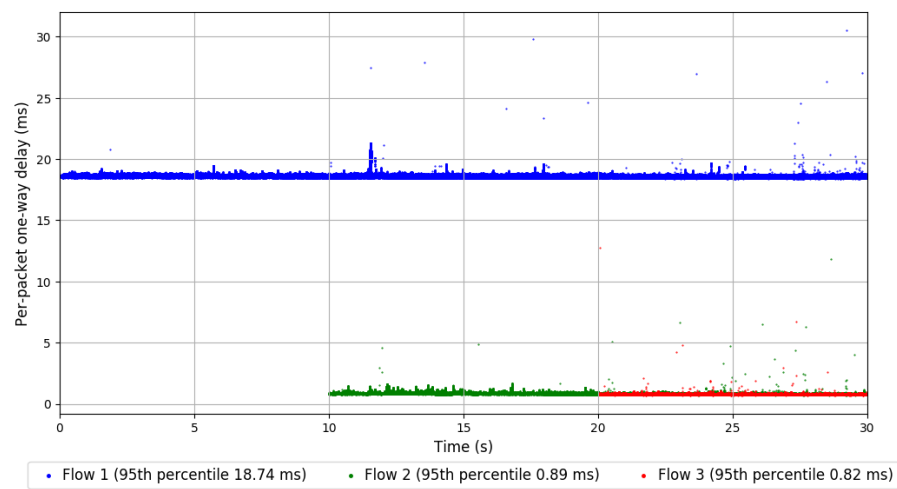
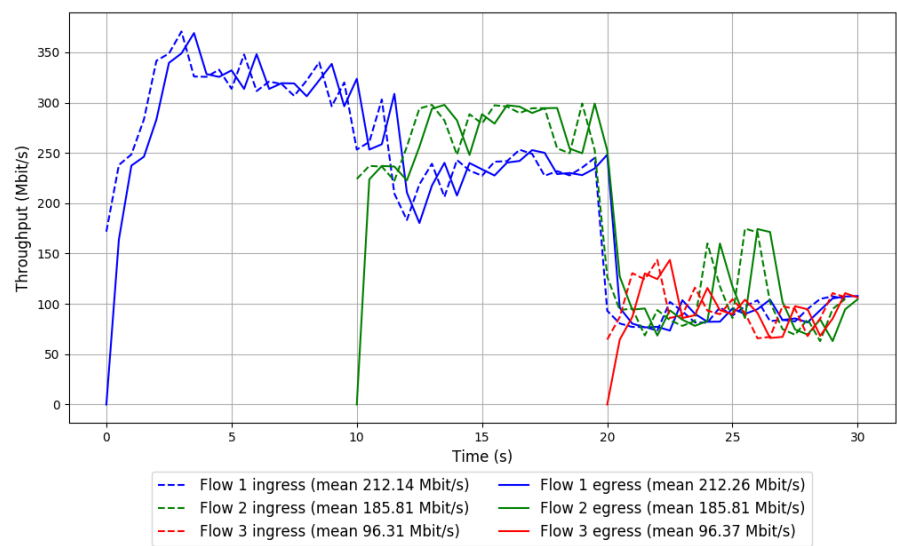


Run 3: Statistics of Copa

Start at: 2019-12-11 16:24:26
End at: 2019-12-11 16:24:56
Local clock offset: 2.958 ms
Remote clock offset: -2.514 ms

Below is generated by plot.py at 2019-12-11 18:03:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.04 Mbit/s
95th percentile per-packet one-way delay: 18.710 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 212.26 Mbit/s
95th percentile per-packet one-way delay: 18.736 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 185.81 Mbit/s
95th percentile per-packet one-way delay: 0.890 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 0.824 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

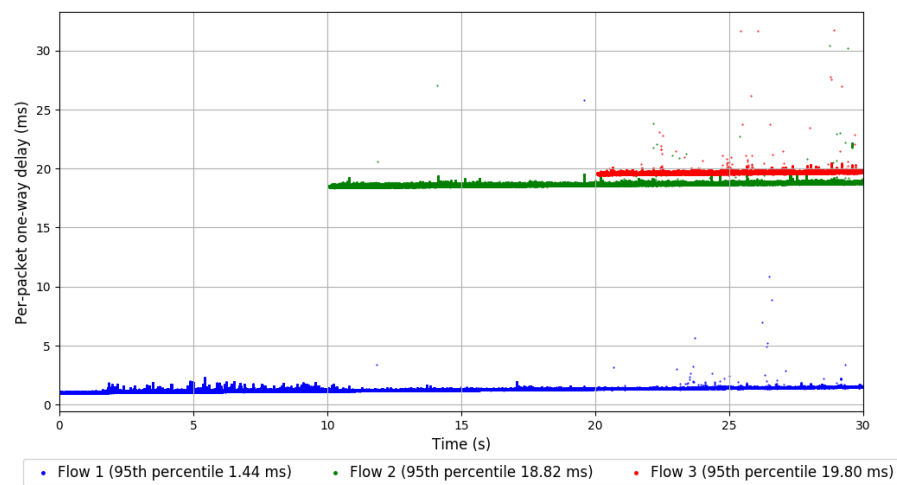
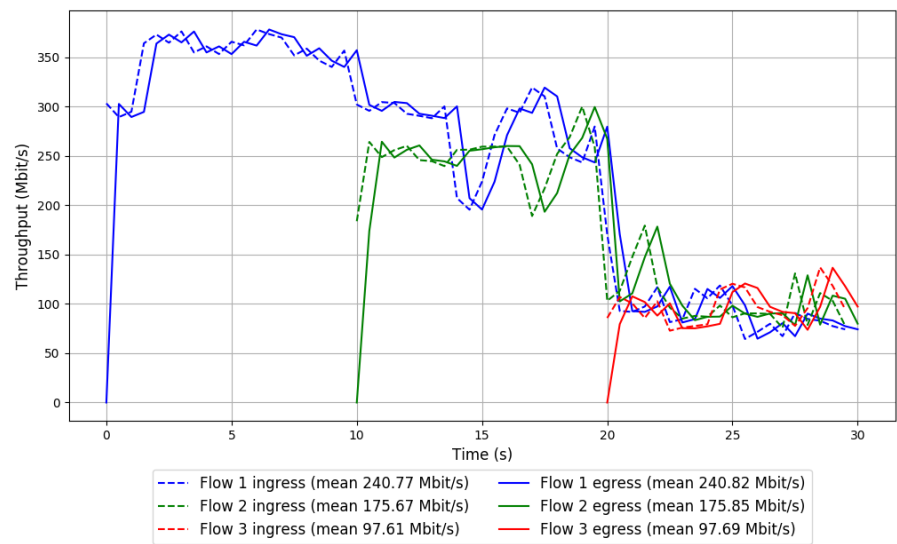


Run 4: Statistics of Copa

Start at: 2019-12-11 16:59:26
End at: 2019-12-11 16:59:56
Local clock offset: 2.847 ms
Remote clock offset: -5.474 ms

Below is generated by plot.py at 2019-12-11 18:08:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 390.08 Mbit/s
95th percentile per-packet one-way delay: 19.635 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 240.82 Mbit/s
95th percentile per-packet one-way delay: 1.436 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.85 Mbit/s
95th percentile per-packet one-way delay: 18.823 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 97.69 Mbit/s
95th percentile per-packet one-way delay: 19.797 ms
Loss rate: 0.17%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-12-11 17:34:29

End at: 2019-12-11 17:34:59

Local clock offset: 3.626 ms

Remote clock offset: 3.826 ms

Below is generated by plot.py at 2019-12-11 18:08:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 389.47 Mbit/s

95th percentile per-packet one-way delay: 19.669 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 238.74 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 176.67 Mbit/s

95th percentile per-packet one-way delay: 0.864 ms

Loss rate: 0.00%

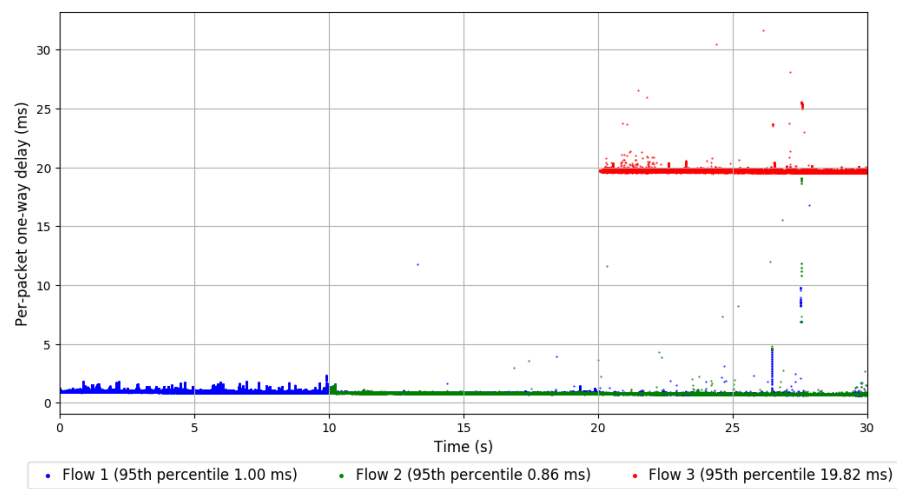
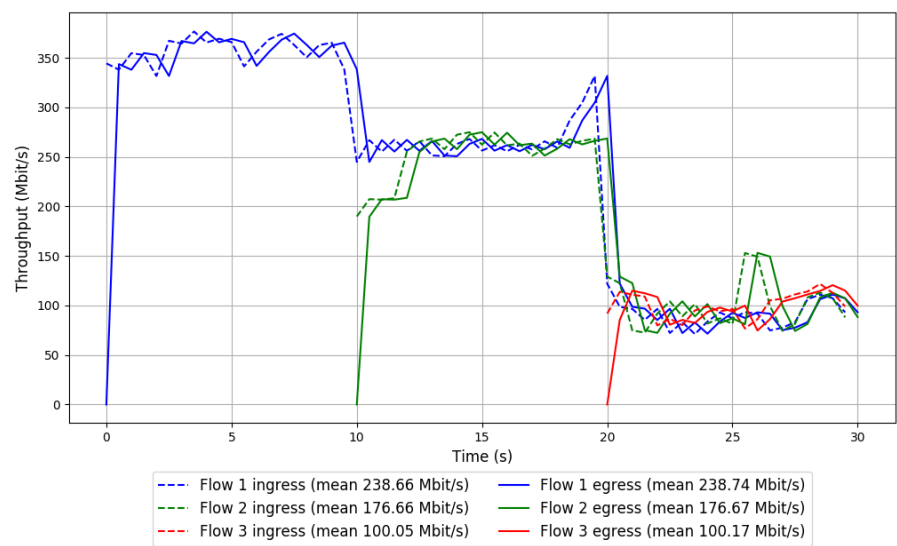
-- Flow 3:

Average throughput: 100.17 Mbit/s

95th percentile per-packet one-way delay: 19.819 ms

Loss rate: 0.11%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-12-11 14:56:00

End at: 2019-12-11 14:56:30

Local clock offset: 3.127 ms

Remote clock offset: 3.43 ms

Below is generated by plot.py at 2019-12-11 18:10:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 838.96 Mbit/s

95th percentile per-packet one-way delay: 25.681 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 500.31 Mbit/s

95th percentile per-packet one-way delay: 25.366 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 345.42 Mbit/s

95th percentile per-packet one-way delay: 25.989 ms

Loss rate: 0.10%

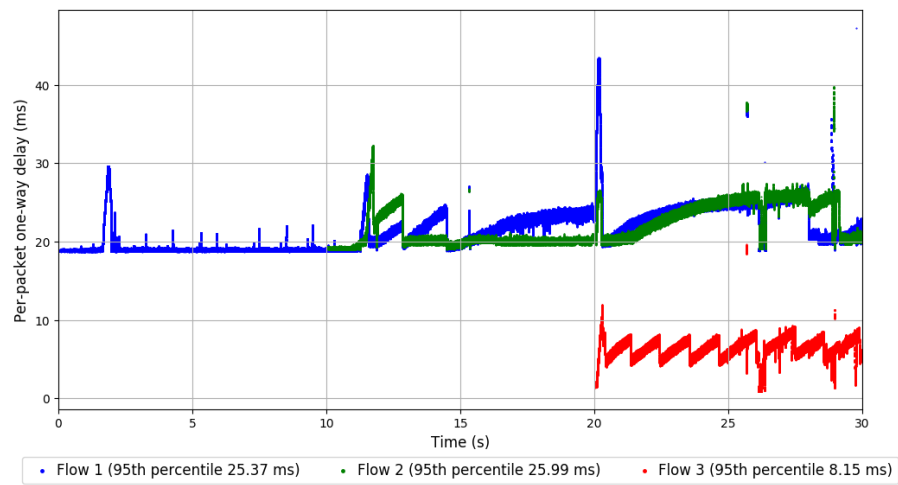
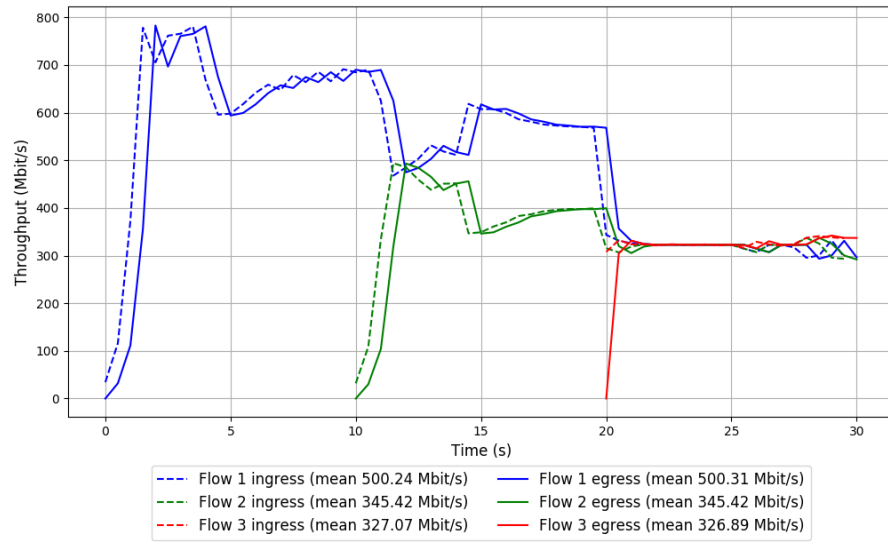
-- Flow 3:

Average throughput: 326.89 Mbit/s

95th percentile per-packet one-way delay: 8.154 ms

Loss rate: 0.07%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-12-11 15:30:50

End at: 2019-12-11 15:31:20

Local clock offset: 3.365 ms

Remote clock offset: 8.661 ms

Below is generated by plot.py at 2019-12-11 18:11:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 893.59 Mbit/s

95th percentile per-packet one-way delay: 9.756 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 517.21 Mbit/s

95th percentile per-packet one-way delay: 10.199 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 405.83 Mbit/s

95th percentile per-packet one-way delay: 7.546 ms

Loss rate: 0.03%

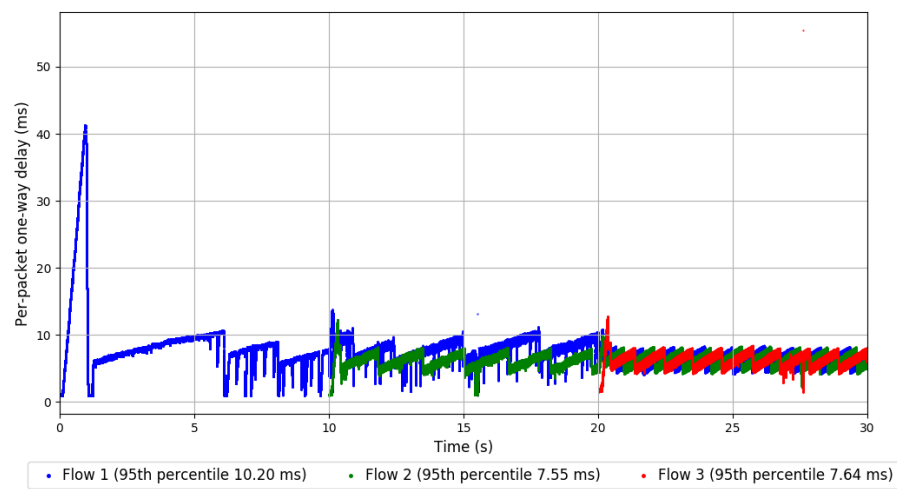
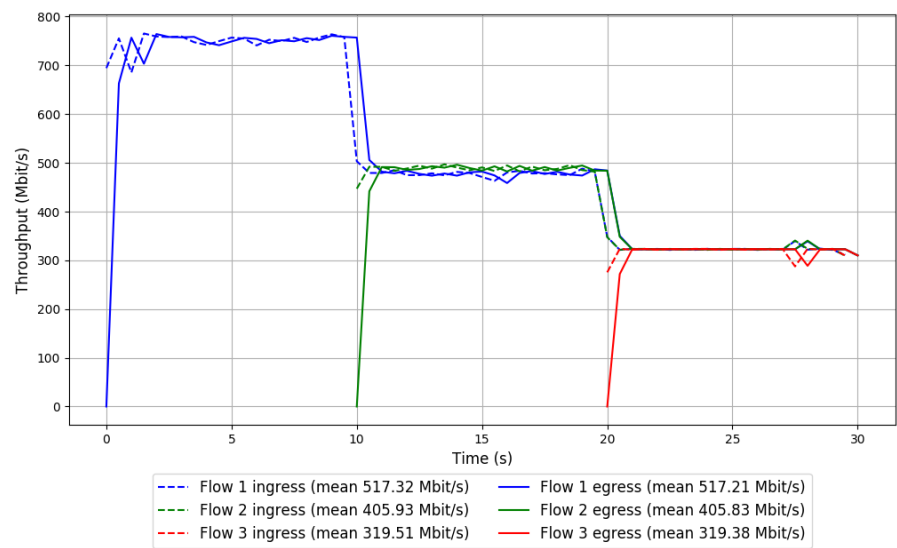
-- Flow 3:

Average throughput: 319.38 Mbit/s

95th percentile per-packet one-way delay: 7.636 ms

Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-12-11 16:05:46

End at: 2019-12-11 16:06:16

Local clock offset: 3.165 ms

Remote clock offset: 0.876 ms

Below is generated by plot.py at 2019-12-11 18:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 891.37 Mbit/s

95th percentile per-packet one-way delay: 23.249 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 538.14 Mbit/s

95th percentile per-packet one-way delay: 8.159 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 383.48 Mbit/s

95th percentile per-packet one-way delay: 23.904 ms

Loss rate: 0.10%

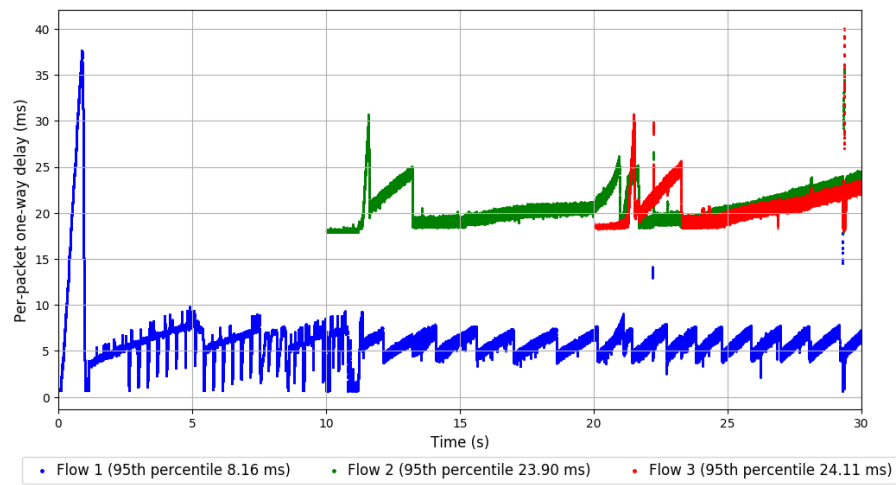
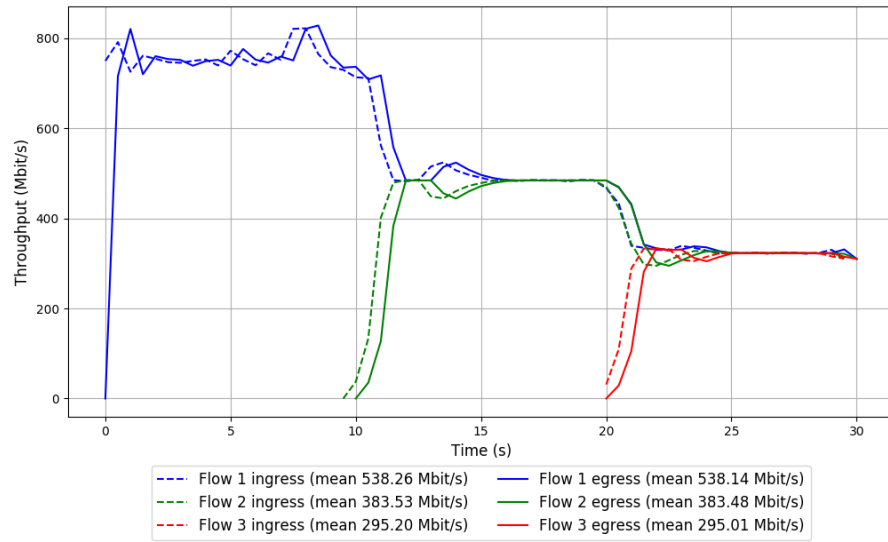
-- Flow 3:

Average throughput: 295.01 Mbit/s

95th percentile per-packet one-way delay: 24.115 ms

Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link

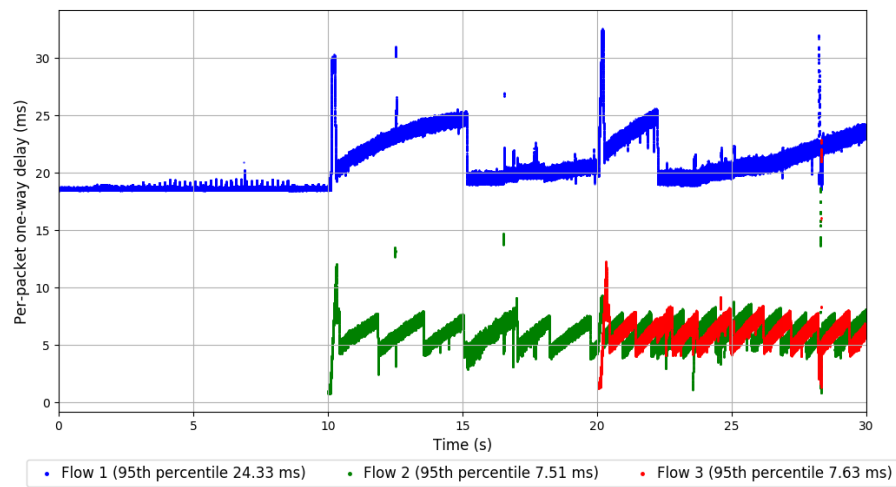
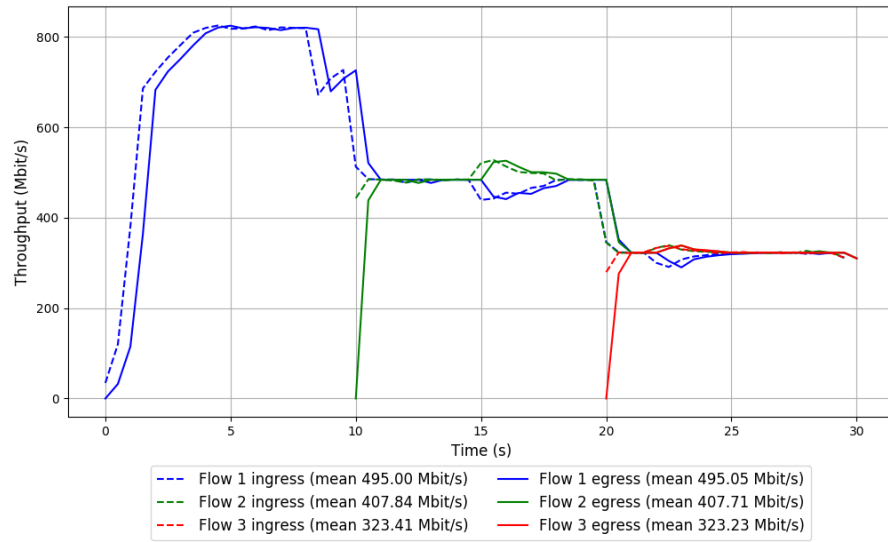


Run 4: Statistics of TCP Cubic

Start at: 2019-12-11 16:40:34
End at: 2019-12-11 16:41:04
Local clock offset: 2.861 ms
Remote clock offset: -3.968 ms

Below is generated by plot.py at 2019-12-11 18:12:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 874.26 Mbit/s
95th percentile per-packet one-way delay: 23.835 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 495.05 Mbit/s
95th percentile per-packet one-way delay: 24.328 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 407.71 Mbit/s
95th percentile per-packet one-way delay: 7.506 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 323.23 Mbit/s
95th percentile per-packet one-way delay: 7.633 ms
Loss rate: 0.08%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-12-11 17:15:36

End at: 2019-12-11 17:16:06

Local clock offset: 3.232 ms

Remote clock offset: 2.312 ms

Below is generated by plot.py at 2019-12-11 18:12:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 863.96 Mbit/s

95th percentile per-packet one-way delay: 22.882 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 394.70 Mbit/s

95th percentile per-packet one-way delay: 23.924 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 517.81 Mbit/s

95th percentile per-packet one-way delay: 7.732 ms

Loss rate: 0.04%

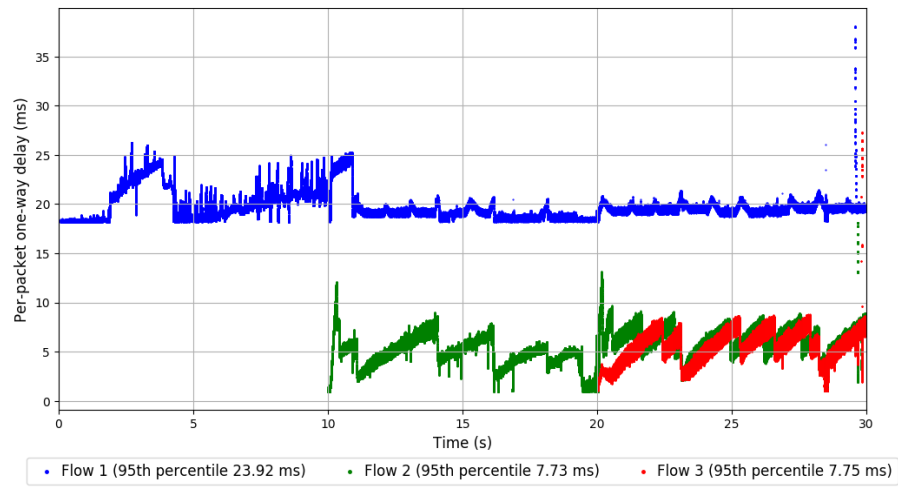
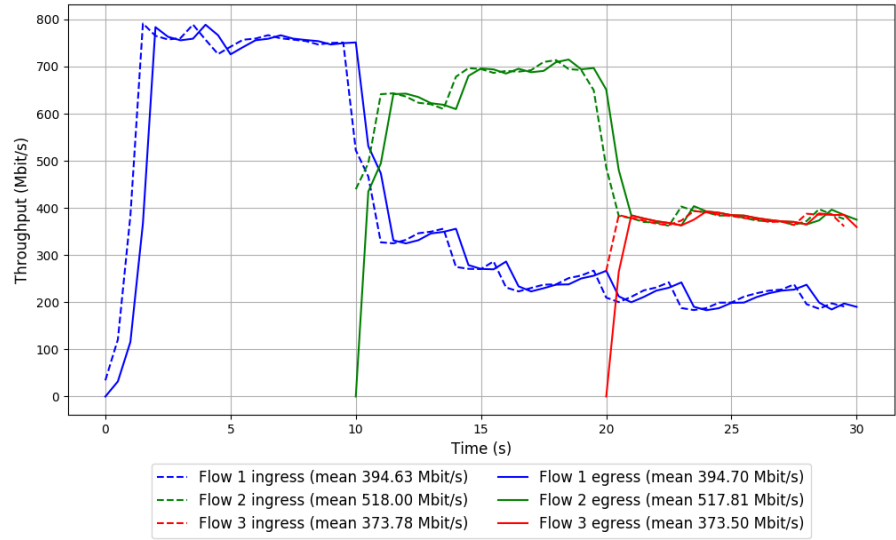
-- Flow 3:

Average throughput: 373.50 Mbit/s

95th percentile per-packet one-way delay: 7.749 ms

Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-12-11 15:19:16

End at: 2019-12-11 15:19:46

Local clock offset: 3.256 ms

Remote clock offset: 7.254 ms

Below is generated by plot.py at 2019-12-11 18:13:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 786.84 Mbit/s

95th percentile per-packet one-way delay: 39.832 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 533.92 Mbit/s

95th percentile per-packet one-way delay: 35.886 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 211.89 Mbit/s

95th percentile per-packet one-way delay: 12.750 ms

Loss rate: 0.14%

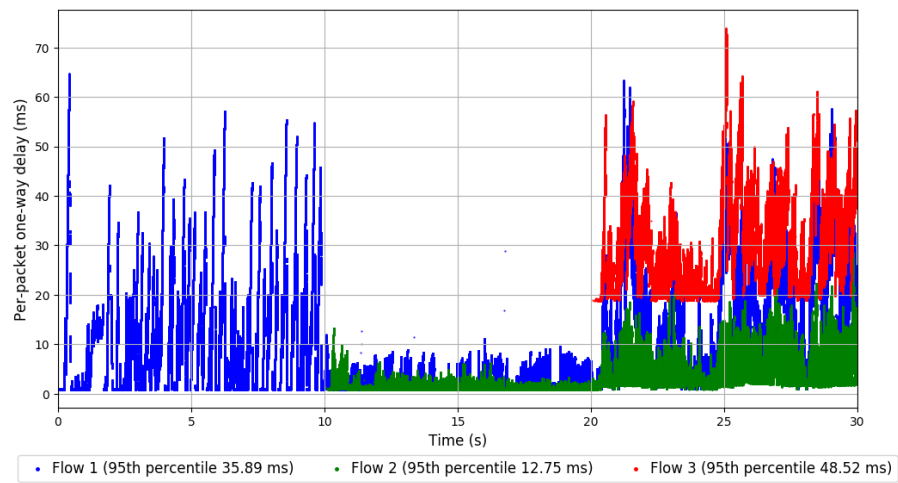
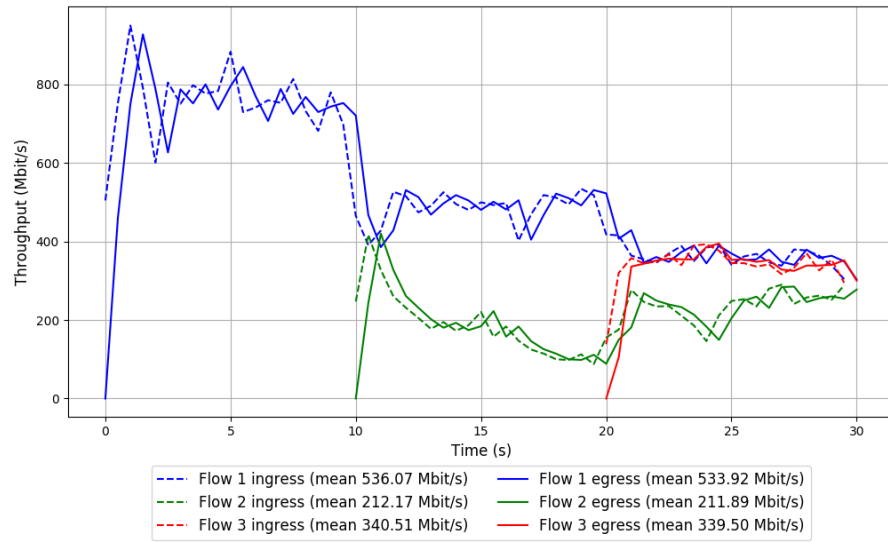
-- Flow 3:

Average throughput: 339.50 Mbit/s

95th percentile per-packet one-way delay: 48.521 ms

Loss rate: 0.34%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-12-11 15:54:13

End at: 2019-12-11 15:54:43

Local clock offset: 3.197 ms

Remote clock offset: 7.357 ms

Below is generated by plot.py at 2019-12-11 18:21:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 930.49 Mbit/s

95th percentile per-packet one-way delay: 42.781 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 575.00 Mbit/s

95th percentile per-packet one-way delay: 33.475 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 381.88 Mbit/s

95th percentile per-packet one-way delay: 47.734 ms

Loss rate: 0.15%

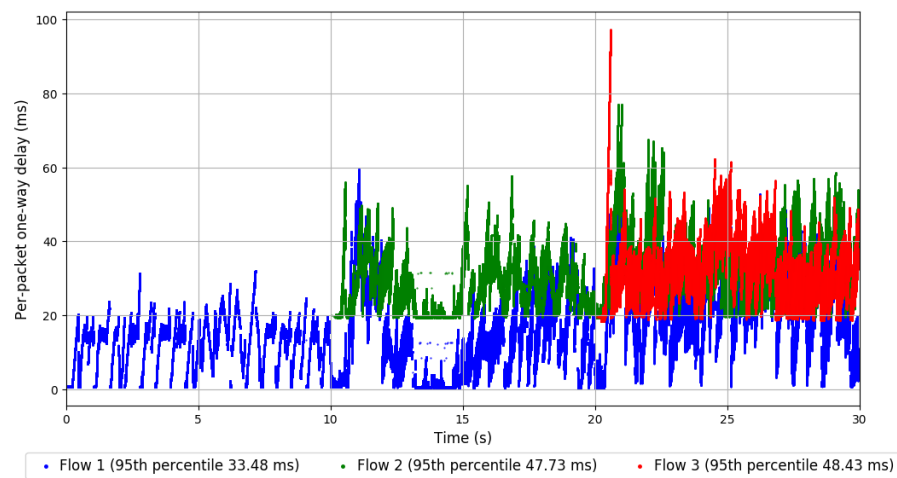
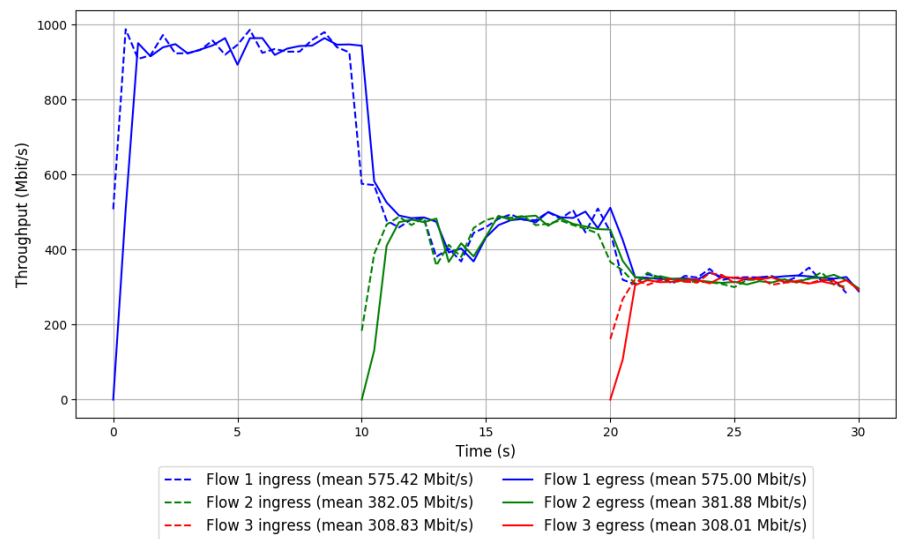
-- Flow 3:

Average throughput: 308.01 Mbit/s

95th percentile per-packet one-way delay: 48.427 ms

Loss rate: 0.34%

Run 2: Report of FillP — Data Link

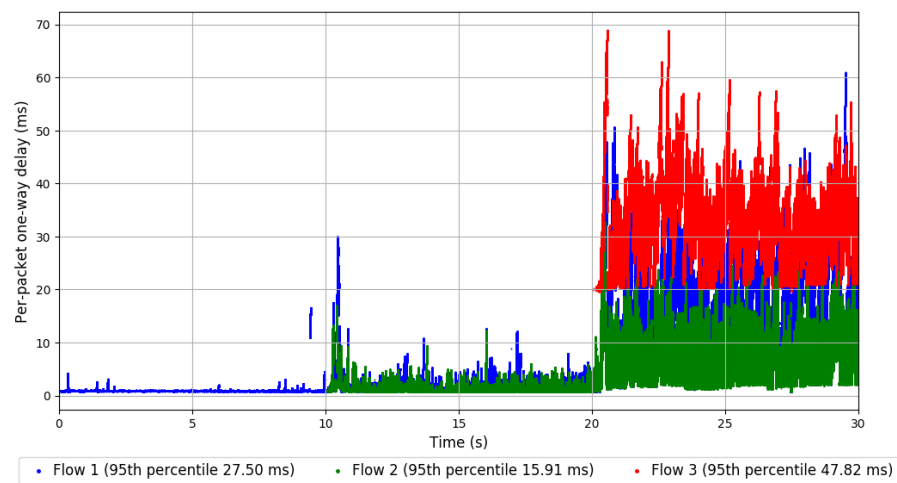
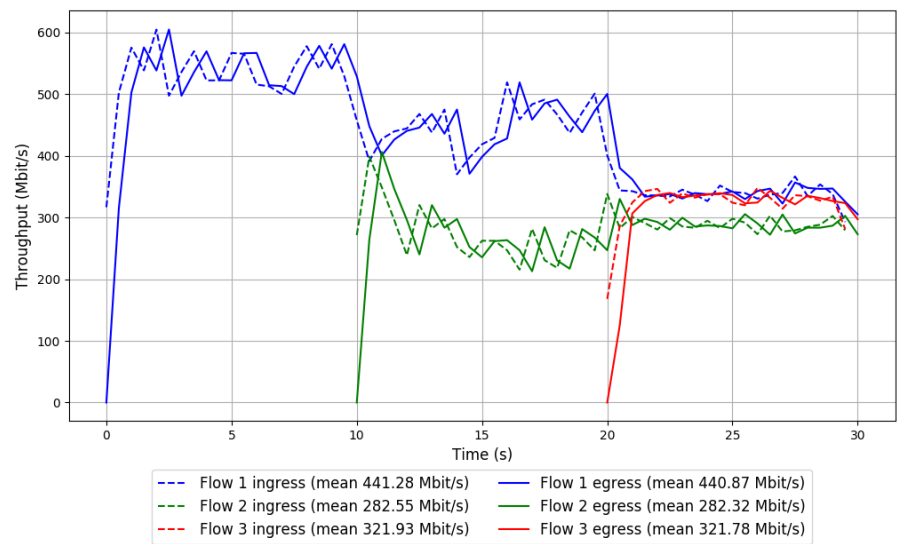


Run 3: Statistics of FillP

Start at: 2019-12-11 16:28:52
End at: 2019-12-11 16:29:22
Local clock offset: 2.921 ms
Remote clock offset: -2.973 ms

Below is generated by plot.py at 2019-12-11 18:21:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 735.18 Mbit/s
95th percentile per-packet one-way delay: 36.825 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 440.87 Mbit/s
95th percentile per-packet one-way delay: 27.501 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 282.32 Mbit/s
95th percentile per-packet one-way delay: 15.914 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 321.78 Mbit/s
95th percentile per-packet one-way delay: 47.822 ms
Loss rate: 0.26%

Run 3: Report of FillP — Data Link

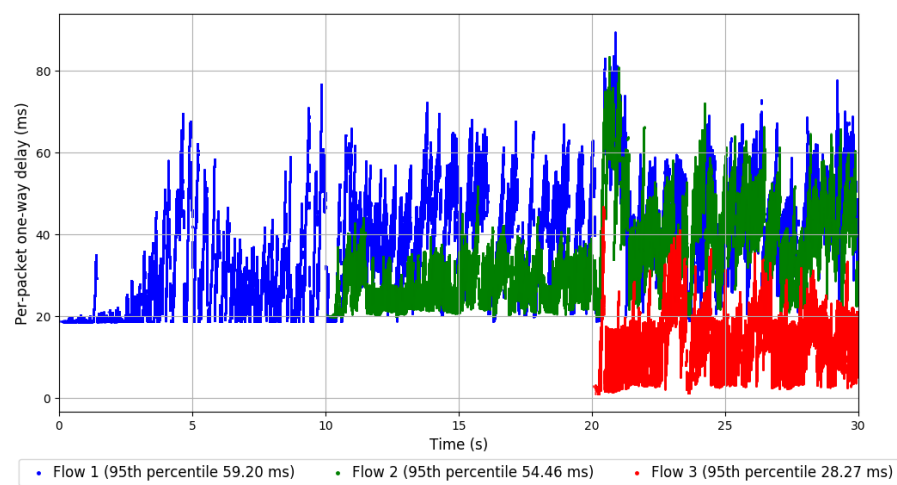
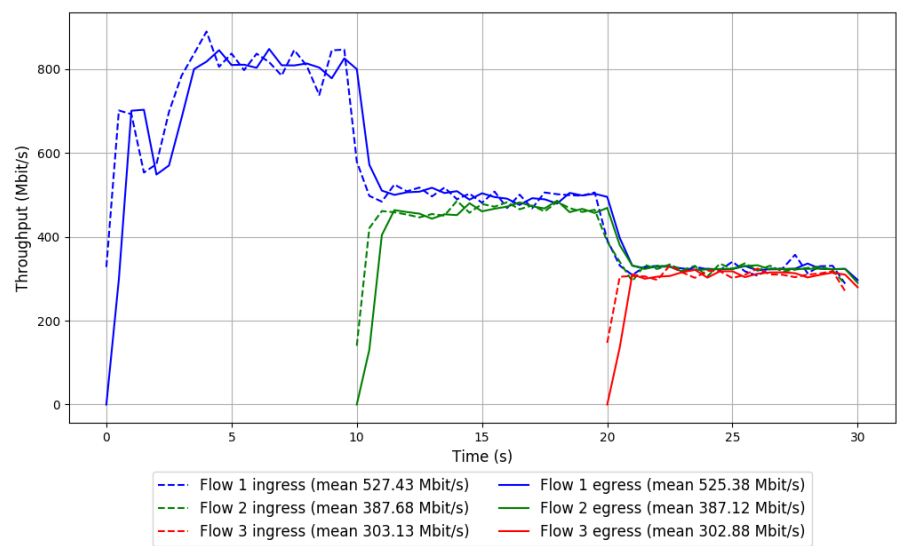


Run 4: Statistics of FillP

Start at: 2019-12-11 17:03:55
End at: 2019-12-11 17:04:25
Local clock offset: 2.856 ms
Remote clock offset: -1.866 ms

Below is generated by plot.py at 2019-12-11 18:22:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 883.11 Mbit/s
95th percentile per-packet one-way delay: 57.389 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 525.38 Mbit/s
95th percentile per-packet one-way delay: 59.202 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 387.12 Mbit/s
95th percentile per-packet one-way delay: 54.462 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 302.88 Mbit/s
95th percentile per-packet one-way delay: 28.269 ms
Loss rate: 0.12%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-12-11 17:38:58

End at: 2019-12-11 17:39:28

Local clock offset: 3.659 ms

Remote clock offset: 2.318 ms

Below is generated by plot.py at 2019-12-11 18:23:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 890.96 Mbit/s

95th percentile per-packet one-way delay: 57.967 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 576.03 Mbit/s

95th percentile per-packet one-way delay: 63.595 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 317.45 Mbit/s

95th percentile per-packet one-way delay: 21.117 ms

Loss rate: 0.06%

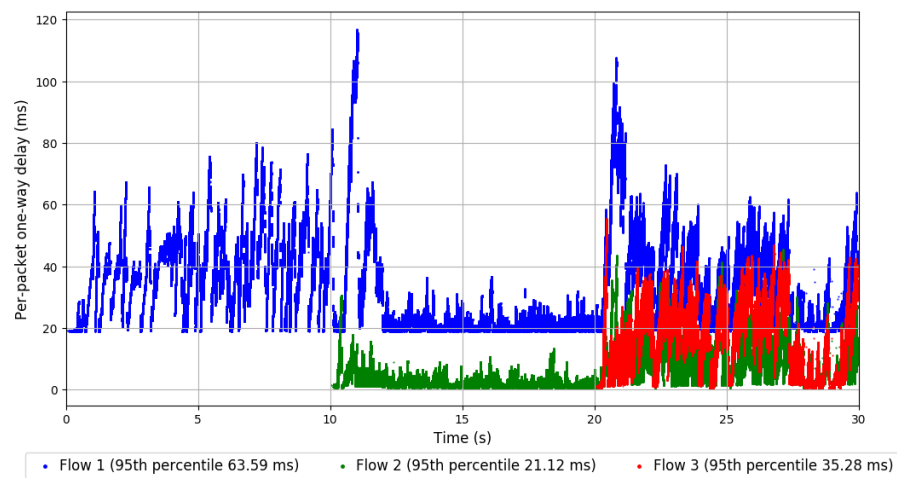
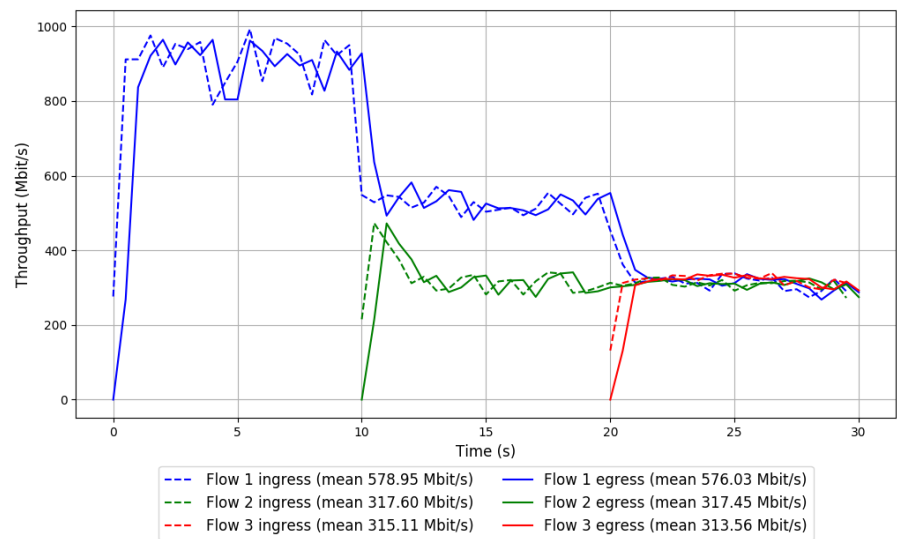
-- Flow 3:

Average throughput: 313.56 Mbit/s

95th percentile per-packet one-way delay: 35.279 ms

Loss rate: 0.48%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-12-11 14:59:11

End at: 2019-12-11 14:59:41

Local clock offset: 3.136 ms

Remote clock offset: 4.101 ms

Below is generated by plot.py at 2019-12-11 18:23:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 831.06 Mbit/s

95th percentile per-packet one-way delay: 49.211 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 529.61 Mbit/s

95th percentile per-packet one-way delay: 53.253 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 411.99 Mbit/s

95th percentile per-packet one-way delay: 33.532 ms

Loss rate: 0.10%

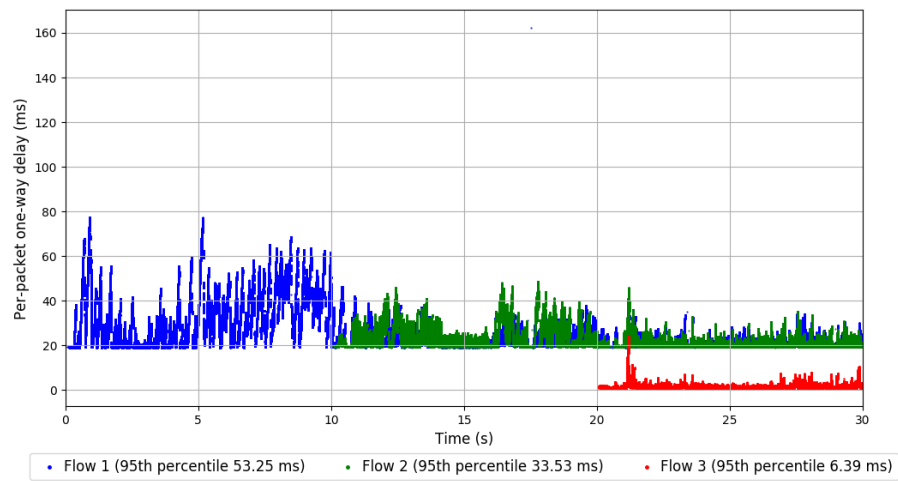
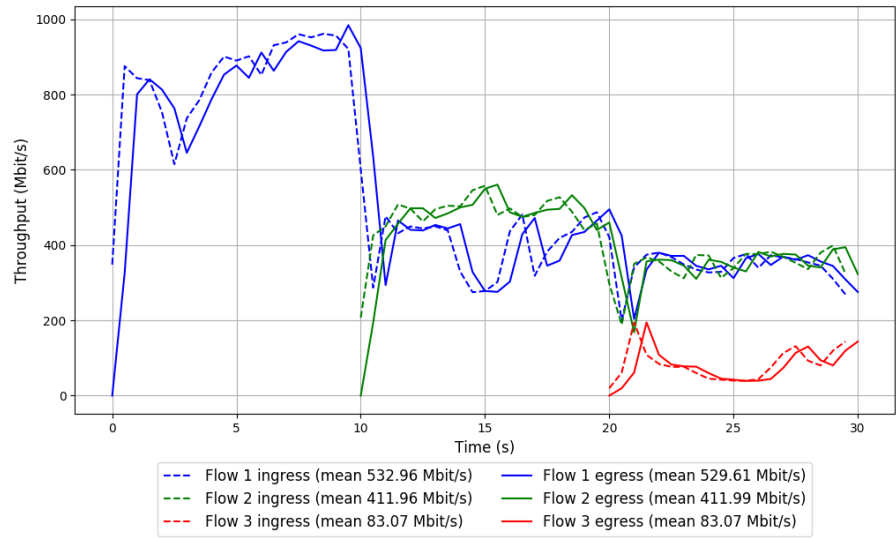
-- Flow 3:

Average throughput: 83.07 Mbit/s

95th percentile per-packet one-way delay: 6.388 ms

Loss rate: 0.02%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-12-11 15:34:09

End at: 2019-12-11 15:34:40

Local clock offset: 3.369 ms

Remote clock offset: 9.145 ms

Below is generated by plot.py at 2019-12-11 18:23:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 816.41 Mbit/s

95th percentile per-packet one-way delay: 41.967 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 572.38 Mbit/s

95th percentile per-packet one-way delay: 43.854 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 201.85 Mbit/s

95th percentile per-packet one-way delay: 6.427 ms

Loss rate: 0.00%

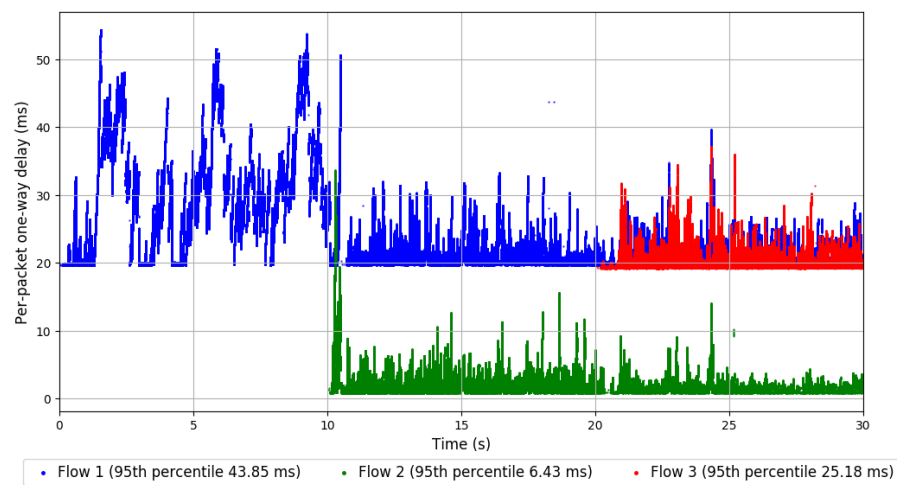
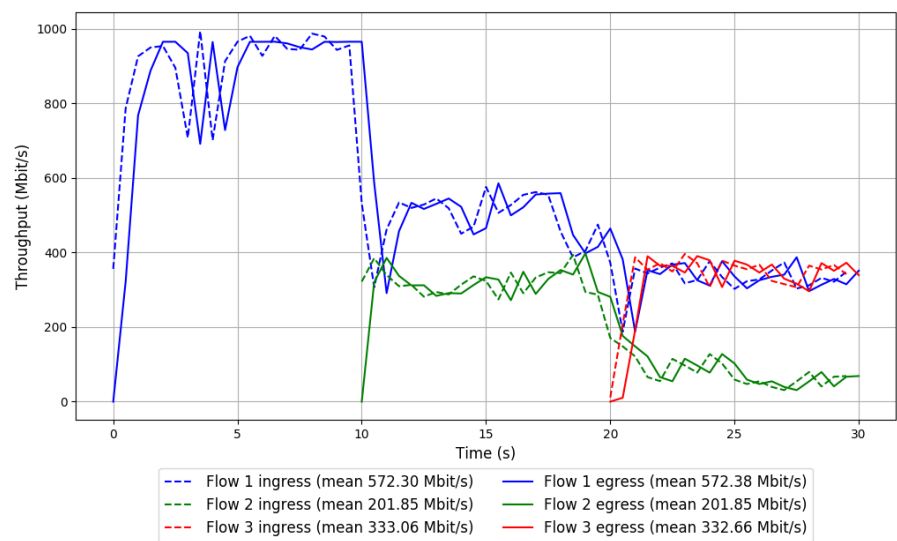
-- Flow 3:

Average throughput: 332.66 Mbit/s

95th percentile per-packet one-way delay: 25.175 ms

Loss rate: 0.24%

Run 2: Report of FillP-Sheep — Data Link

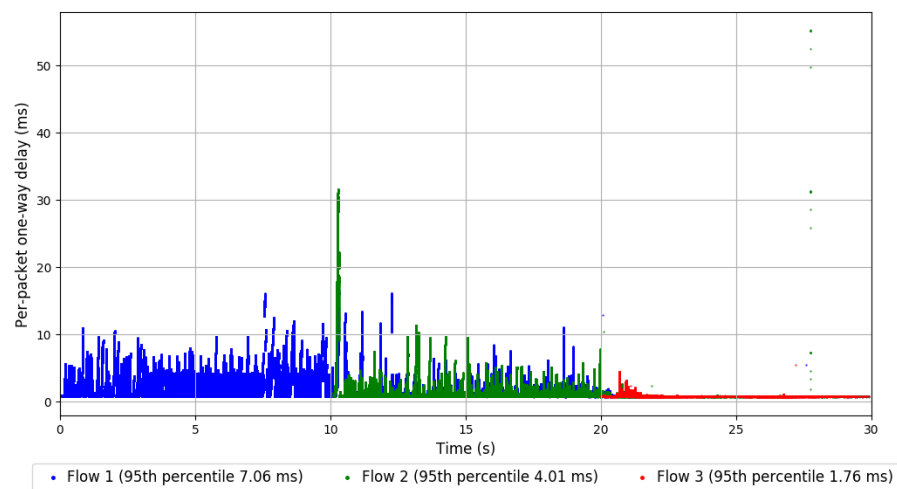
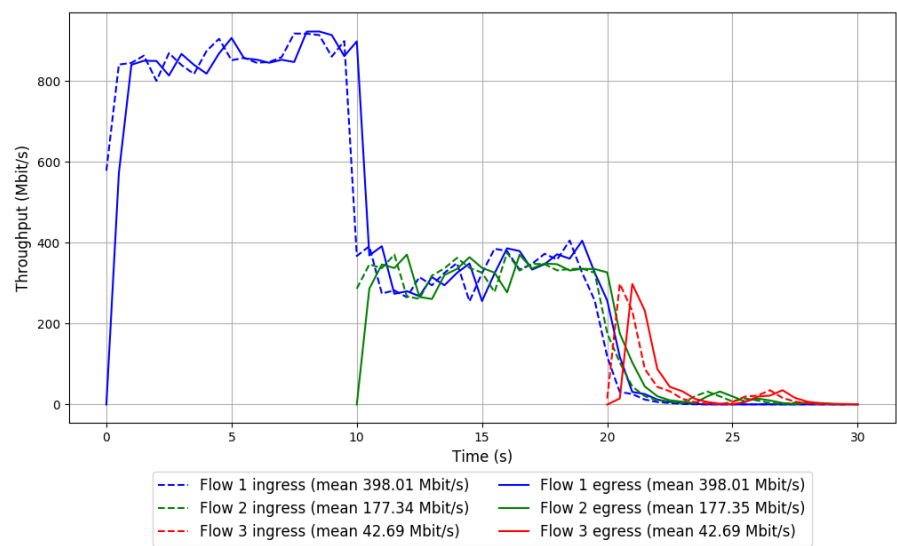


Run 3: Statistics of FillP-Sheep

Start at: 2019-12-11 16:08:59
End at: 2019-12-11 16:09:29
Local clock offset: 3.18 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-12-11 18:23:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 529.94 Mbit/s
95th percentile per-packet one-way delay: 6.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 398.01 Mbit/s
95th percentile per-packet one-way delay: 7.060 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.35 Mbit/s
95th percentile per-packet one-way delay: 4.010 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.69 Mbit/s
95th percentile per-packet one-way delay: 1.758 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

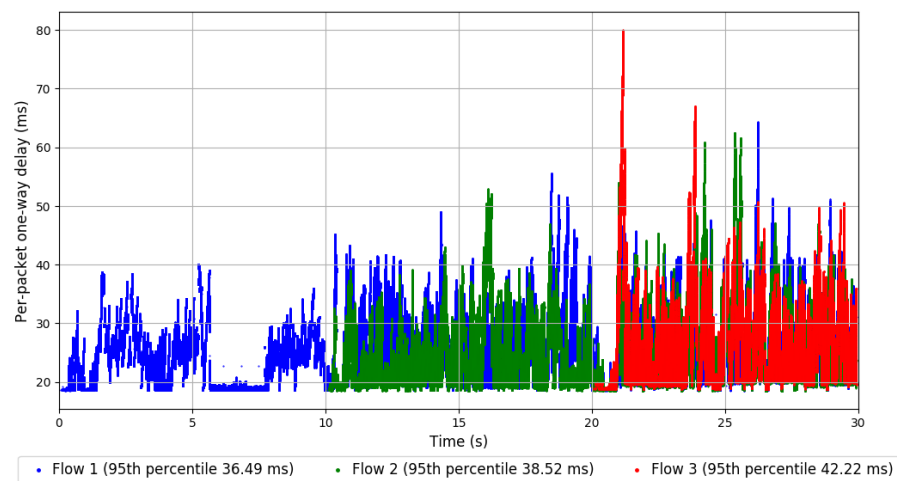
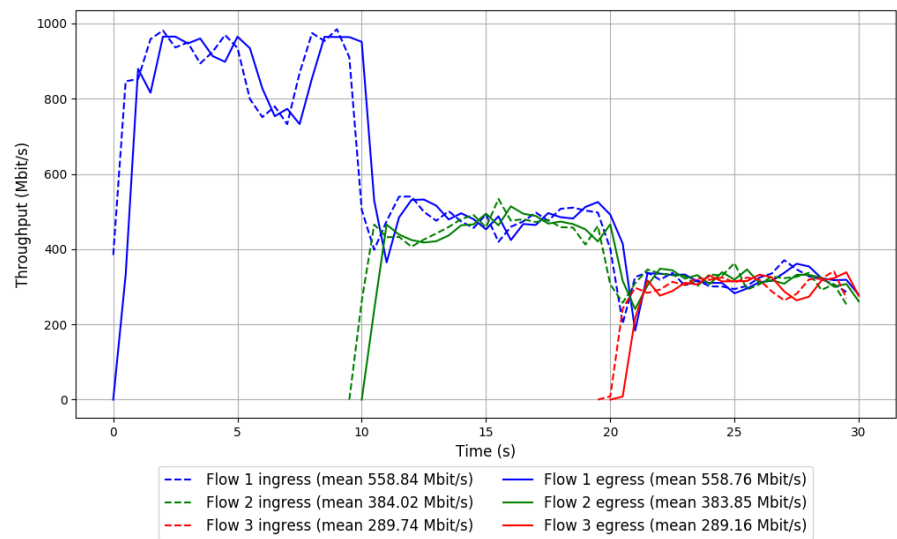


Run 4: Statistics of FillP-Sheep

Start at: 2019-12-11 16:43:50
End at: 2019-12-11 16:44:20
Local clock offset: 2.893 ms
Remote clock offset: -4.321 ms

Below is generated by plot.py at 2019-12-11 18:25:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 910.12 Mbit/s
95th percentile per-packet one-way delay: 37.501 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 558.76 Mbit/s
95th percentile per-packet one-way delay: 36.494 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 383.85 Mbit/s
95th percentile per-packet one-way delay: 38.522 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 289.16 Mbit/s
95th percentile per-packet one-way delay: 42.220 ms
Loss rate: 0.26%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-12-11 17:18:54

End at: 2019-12-11 17:19:24

Local clock offset: 3.34 ms

Remote clock offset: 2.827 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 910.23 Mbit/s

95th percentile per-packet one-way delay: 39.159 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 551.02 Mbit/s

95th percentile per-packet one-way delay: 37.993 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 388.25 Mbit/s

95th percentile per-packet one-way delay: 39.678 ms

Loss rate: 0.14%

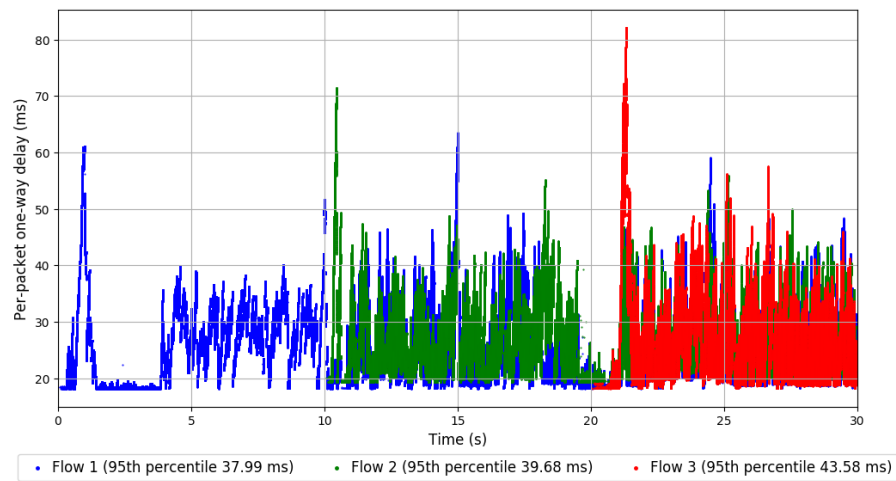
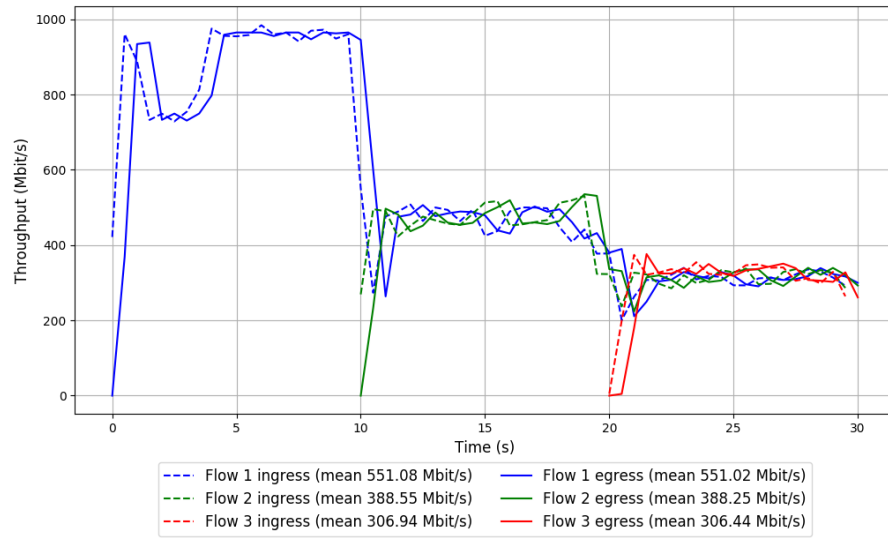
-- Flow 3:

Average throughput: 306.44 Mbit/s

95th percentile per-packet one-way delay: 43.575 ms

Loss rate: 0.37%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-12-11 15:09:01

End at: 2019-12-11 15:09:31

Local clock offset: 3.144 ms

Remote clock offset: 5.885 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.14 Mbit/s

95th percentile per-packet one-way delay: 19.931 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 152.90 Mbit/s

95th percentile per-packet one-way delay: 19.967 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 146.16 Mbit/s

95th percentile per-packet one-way delay: 19.498 ms

Loss rate: 0.08%

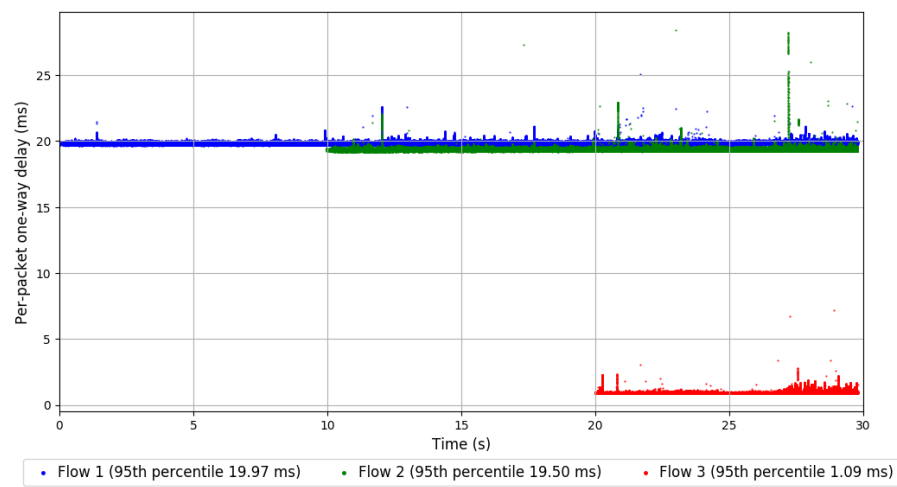
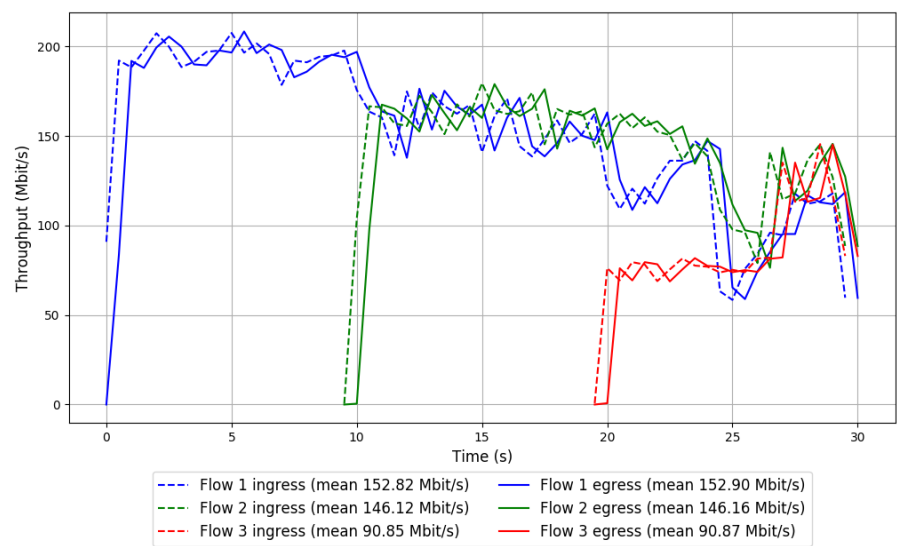
-- Flow 3:

Average throughput: 90.87 Mbit/s

95th percentile per-packet one-way delay: 1.088 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

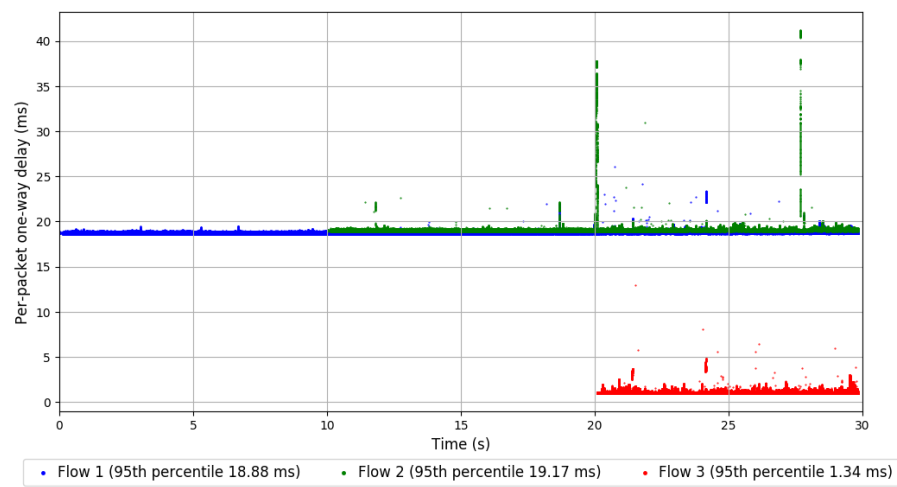
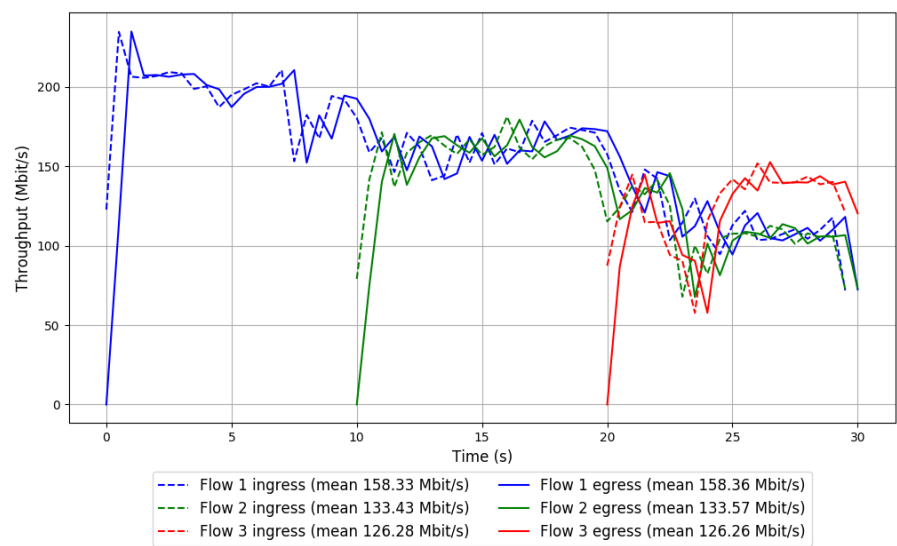


Run 2: Statistics of Indigo

Start at: 2019-12-11 15:44:03
End at: 2019-12-11 15:44:33
Local clock offset: 3.31 ms
Remote clock offset: 10.205 ms

Below is generated by plot.py at 2019-12-11 18:32:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 288.42 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 158.36 Mbit/s
95th percentile per-packet one-way delay: 18.882 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 133.57 Mbit/s
95th percentile per-packet one-way delay: 19.167 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 126.26 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.03%

Run 2: Report of Indigo — Data Link

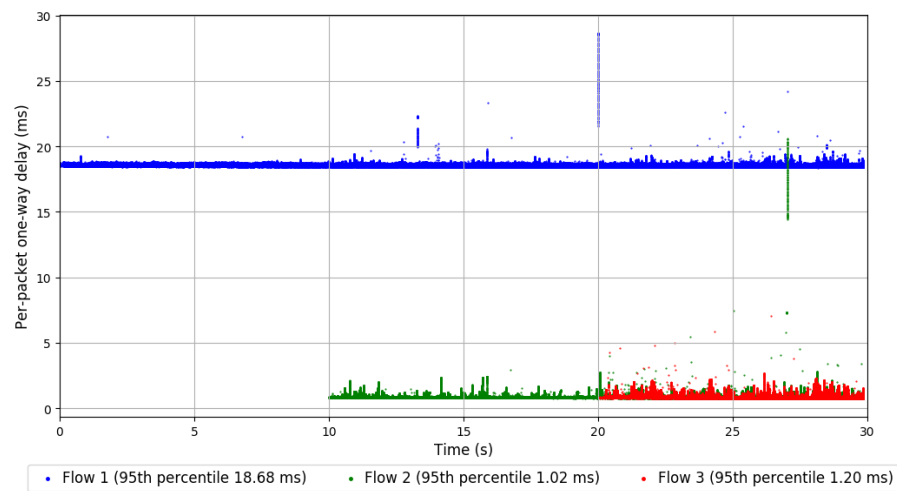
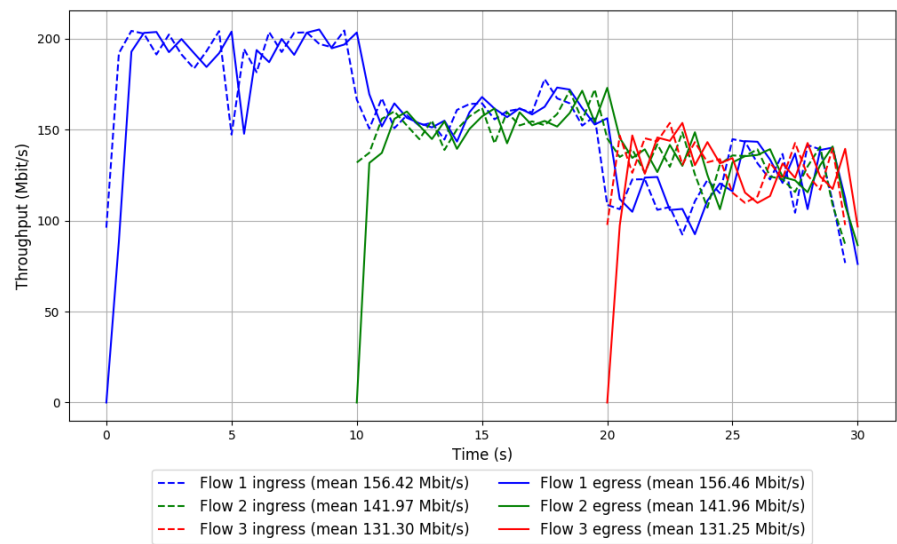


Run 3: Statistics of Indigo

Start at: 2019-12-11 16:18:43
End at: 2019-12-11 16:19:13
Local clock offset: 2.983 ms
Remote clock offset: -1.851 ms

```
# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 293.87 Mbit/s
95th percentile per-packet one-way delay: 18.650 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 156.46 Mbit/s
95th percentile per-packet one-way delay: 18.682 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 141.96 Mbit/s
95th percentile per-packet one-way delay: 1.018 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 131.25 Mbit/s
95th percentile per-packet one-way delay: 1.198 ms
Loss rate: 0.05%
```

Run 3: Report of Indigo — Data Link

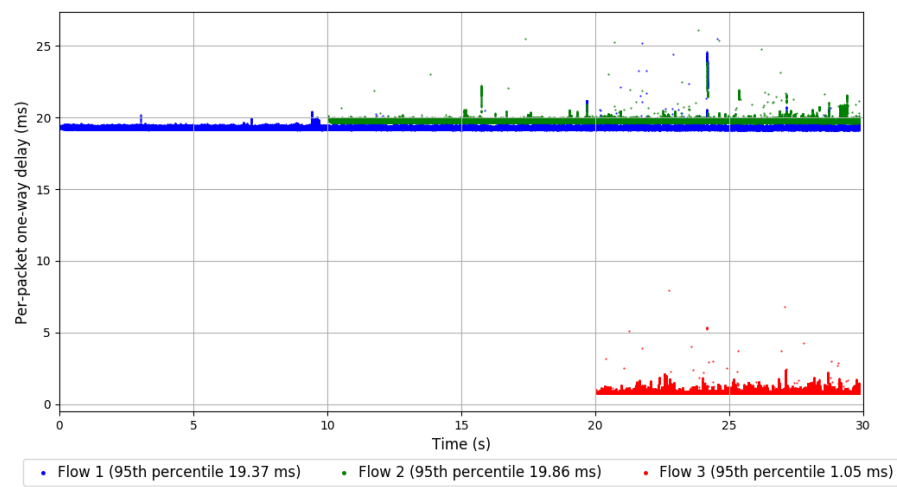
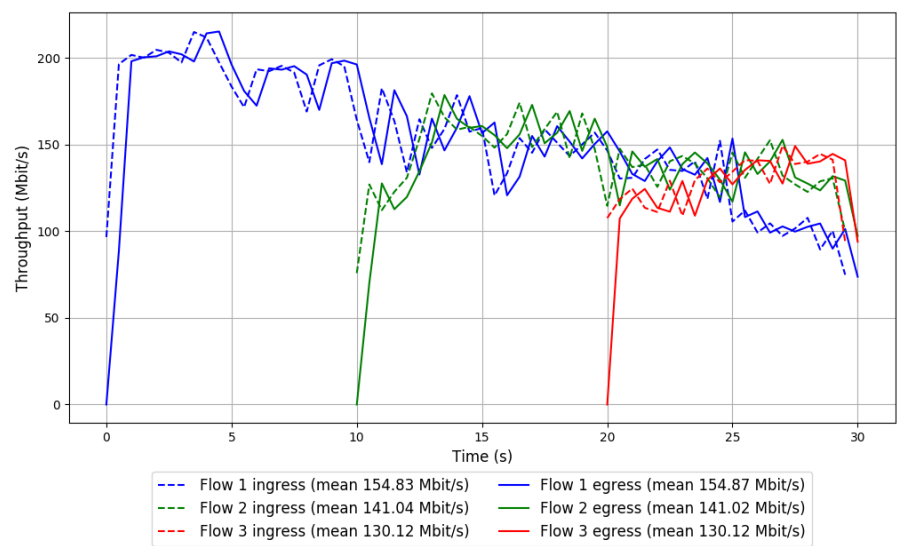


Run 4: Statistics of Indigo

Start at: 2019-12-11 16:53:45
End at: 2019-12-11 16:54:15
Local clock offset: 2.849 ms
Remote clock offset: -5.136 ms

```
# Below is generated by plot.py at 2019-12-11 18:32:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.46 Mbit/s
95th percentile per-packet one-way delay: 19.796 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 154.87 Mbit/s
95th percentile per-packet one-way delay: 19.367 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 141.02 Mbit/s
95th percentile per-packet one-way delay: 19.858 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 130.12 Mbit/s
95th percentile per-packet one-way delay: 1.048 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-12-11 17:28:52

End at: 2019-12-11 17:29:22

Local clock offset: 3.559 ms

Remote clock offset: 3.859 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.82 Mbit/s

95th percentile per-packet one-way delay: 18.335 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 155.81 Mbit/s

95th percentile per-packet one-way delay: 1.074 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 145.92 Mbit/s

95th percentile per-packet one-way delay: 18.405 ms

Loss rate: 0.13%

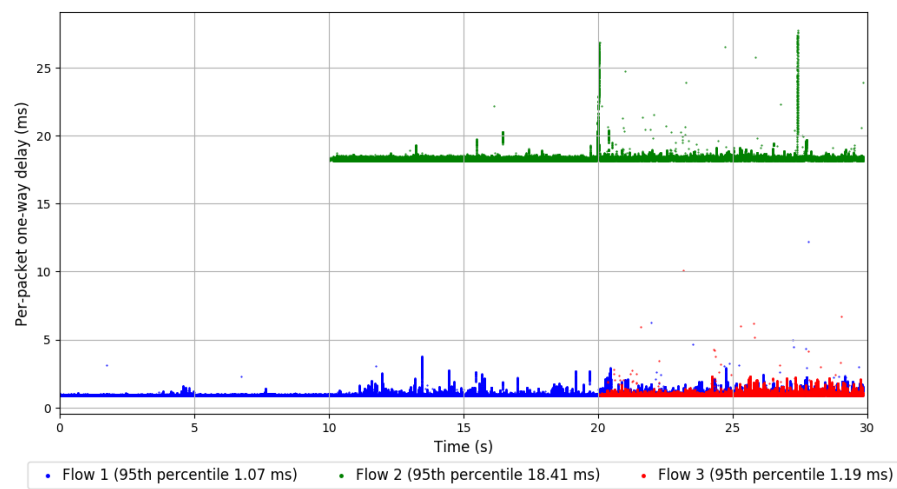
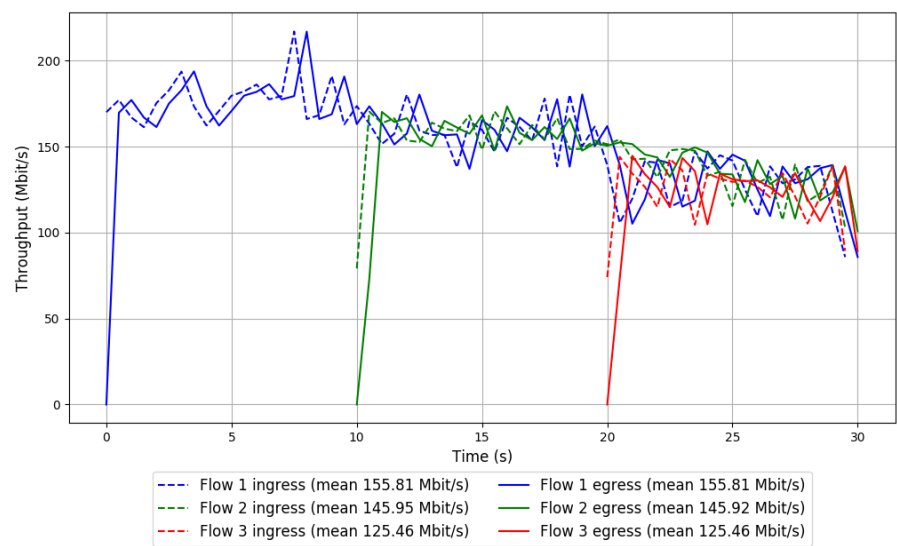
-- Flow 3:

Average throughput: 125.46 Mbit/s

95th percentile per-packet one-way delay: 1.186 ms

Loss rate: 0.02%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-12-11 15:12:02

End at: 2019-12-11 15:12:32

Local clock offset: 3.172 ms

Remote clock offset: 6.224 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 217.97 Mbit/s

95th percentile per-packet one-way delay: 19.180 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 173.61 Mbit/s

95th percentile per-packet one-way delay: 19.179 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 57.02 Mbit/s

95th percentile per-packet one-way delay: 19.220 ms

Loss rate: 0.05%

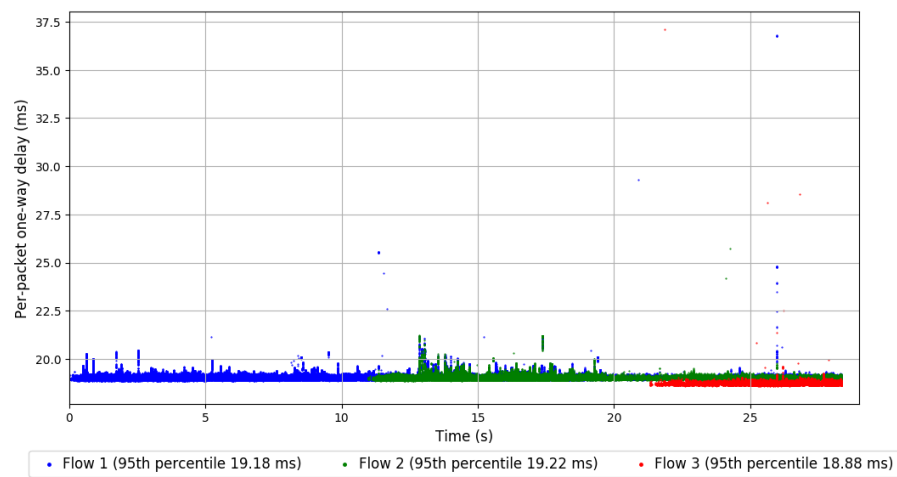
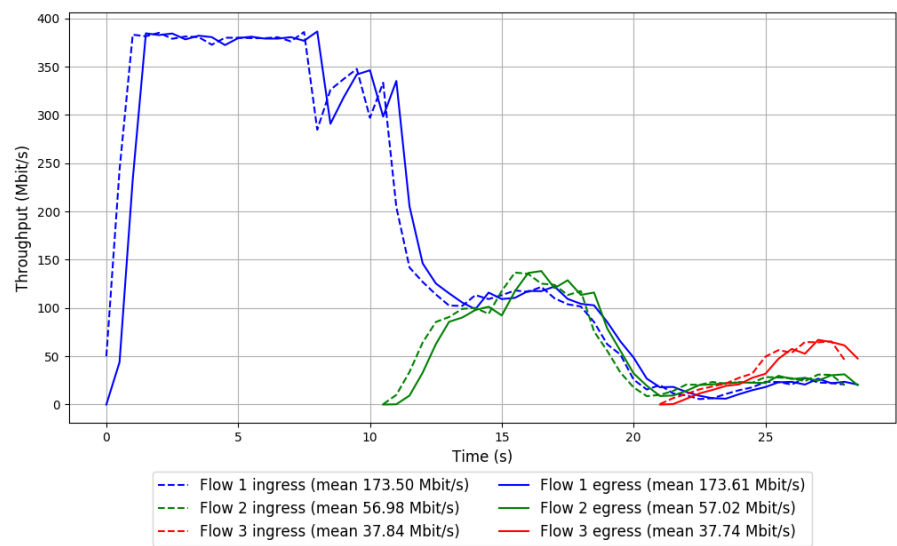
-- Flow 3:

Average throughput: 37.74 Mbit/s

95th percentile per-packet one-way delay: 18.882 ms

Loss rate: 0.63%

Run 1: Report of Indigo-MusesC3 — Data Link

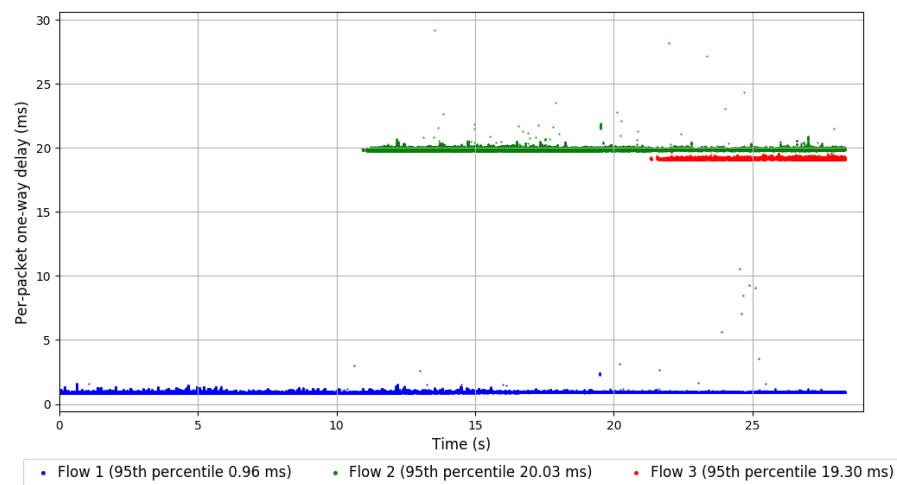
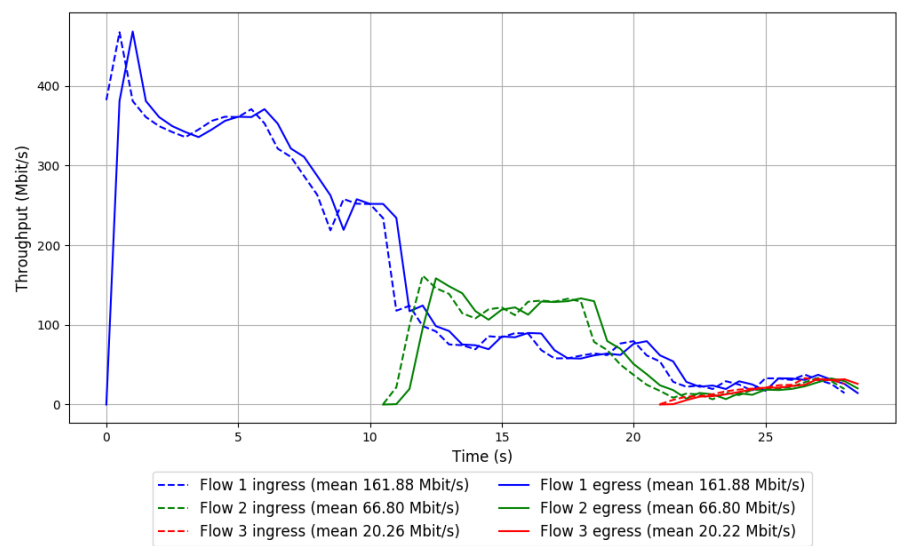


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-12-11 15:47:00
End at: 2019-12-11 15:47:30
Local clock offset: 3.252 ms
Remote clock offset: 10.619 ms

Below is generated by plot.py at 2019-12-11 18:32:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.98 Mbit/s
95th percentile per-packet one-way delay: 19.926 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 161.88 Mbit/s
95th percentile per-packet one-way delay: 0.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.80 Mbit/s
95th percentile per-packet one-way delay: 20.029 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.22 Mbit/s
95th percentile per-packet one-way delay: 19.304 ms
Loss rate: 0.49%

Run 2: Report of Indigo-MusesC3 — Data Link

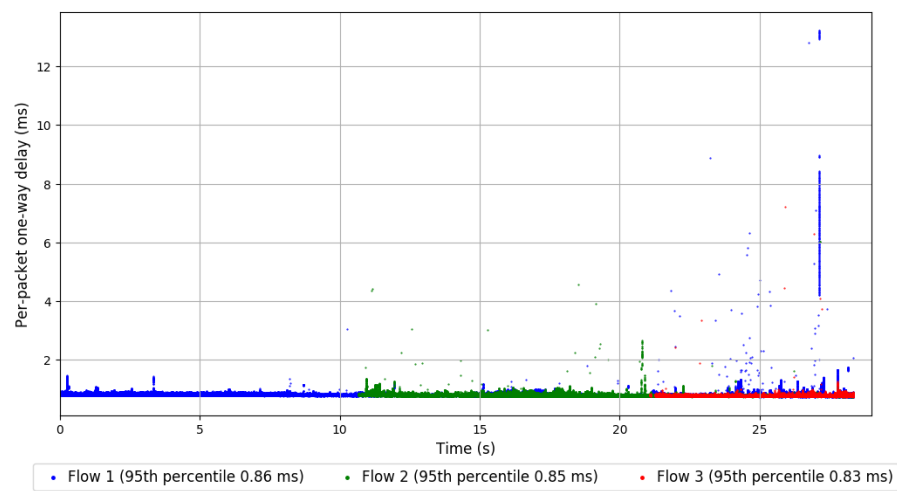
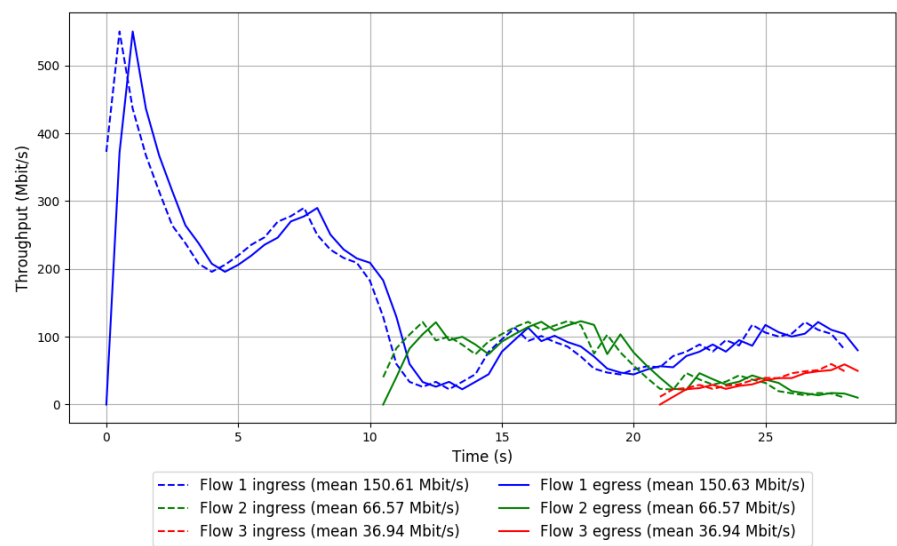


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-12-11 16:21:43
End at: 2019-12-11 16:22:13
Local clock offset: 2.975 ms
Remote clock offset: -2.195 ms

Below is generated by plot.py at 2019-12-11 18:32:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 201.59 Mbit/s
95th percentile per-packet one-way delay: 0.861 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 150.63 Mbit/s
95th percentile per-packet one-way delay: 0.863 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 0.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.94 Mbit/s
95th percentile per-packet one-way delay: 0.827 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link

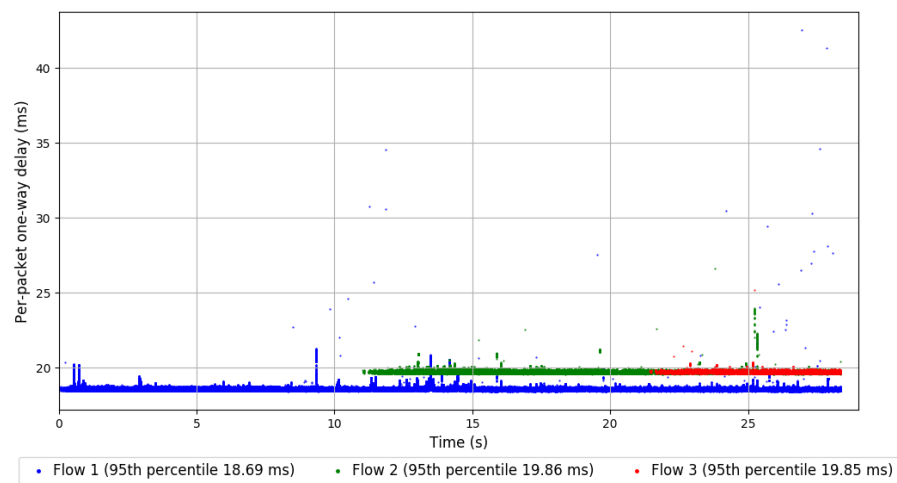
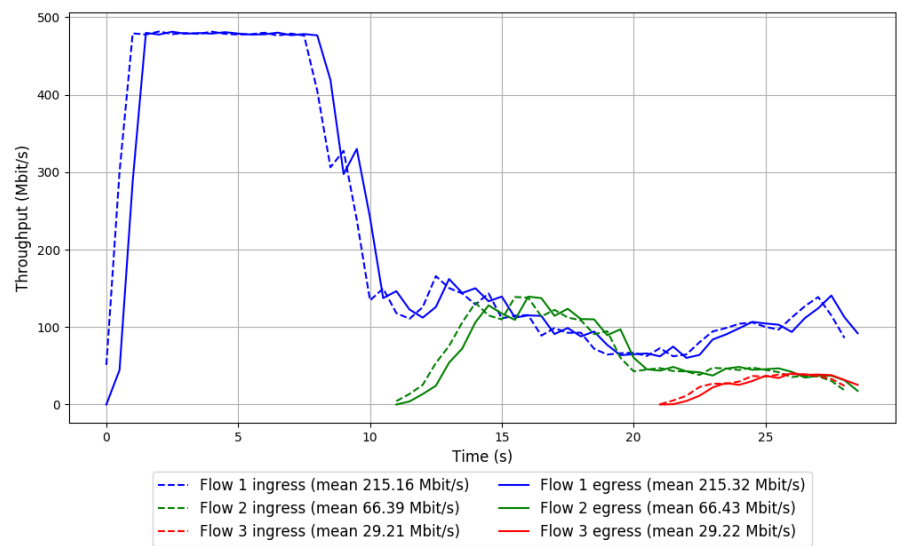


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-12-11 16:56:44
End at: 2019-12-11 16:57:14
Local clock offset: 2.867 ms
Remote clock offset: -5.403 ms

Below is generated by plot.py at 2019-12-11 18:32:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.04 Mbit/s
95th percentile per-packet one-way delay: 19.766 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 215.32 Mbit/s
95th percentile per-packet one-way delay: 18.692 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 19.859 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 19.847 ms
Loss rate: 0.20%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-12-11 17:31:50

End at: 2019-12-11 17:32:20

Local clock offset: 3.575 ms

Remote clock offset: 3.979 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.97 Mbit/s

95th percentile per-packet one-way delay: 1.086 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 157.43 Mbit/s

95th percentile per-packet one-way delay: 1.021 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.00%

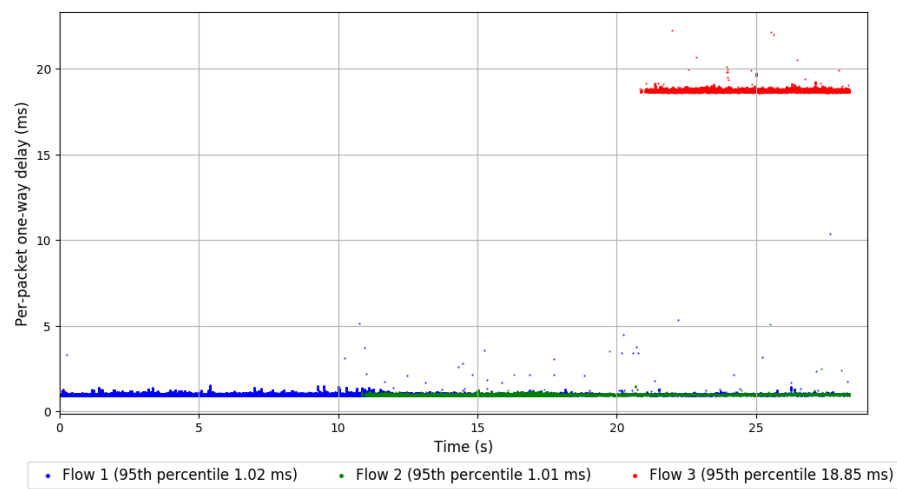
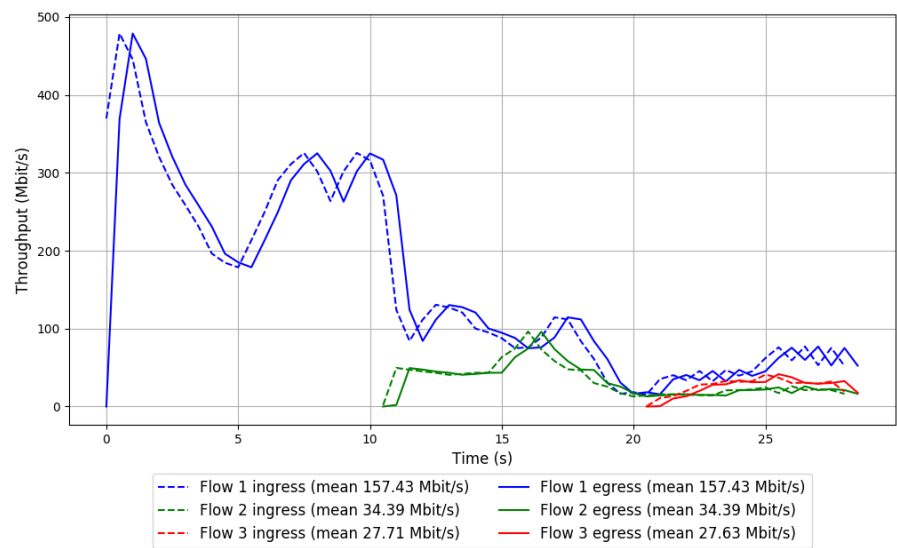
-- Flow 3:

Average throughput: 27.63 Mbit/s

95th percentile per-packet one-way delay: 18.851 ms

Loss rate: 0.55%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-12-11 15:16:23

End at: 2019-12-11 15:16:53

Local clock offset: 3.22 ms

Remote clock offset: 6.86 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.03 Mbit/s

95th percentile per-packet one-way delay: 19.936 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 120.00 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.99 Mbit/s

95th percentile per-packet one-way delay: 20.014 ms

Loss rate: 0.10%

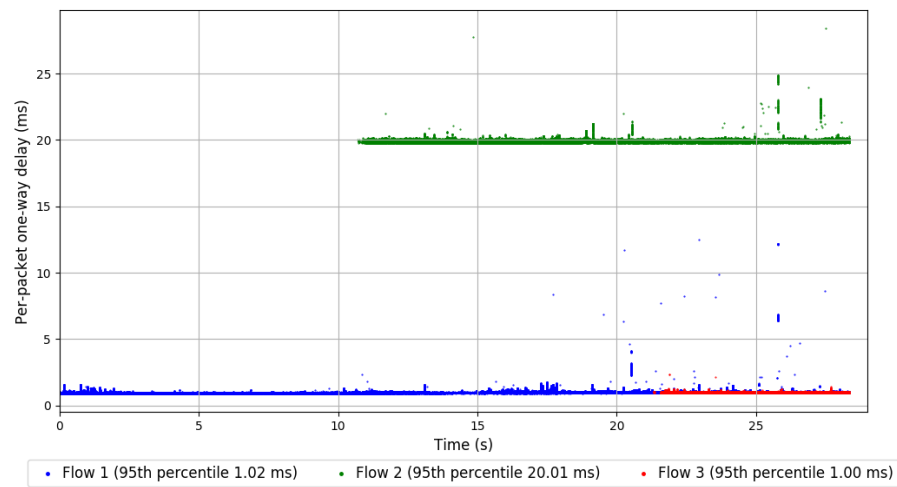
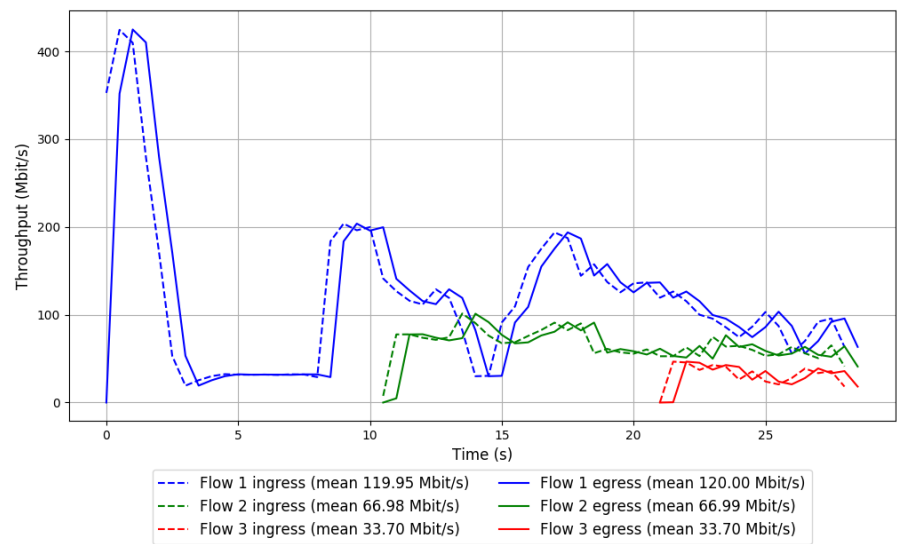
-- Flow 3:

Average throughput: 33.70 Mbit/s

95th percentile per-packet one-way delay: 1.005 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

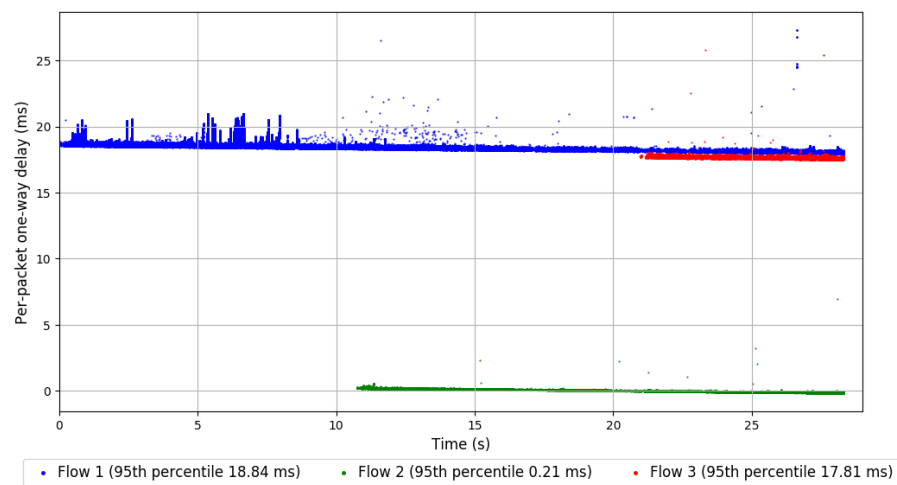
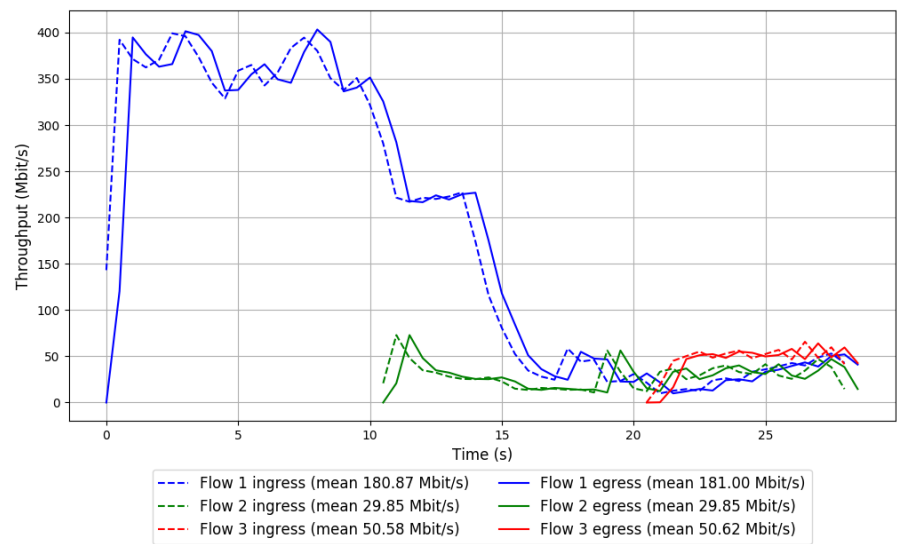


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-12-11 15:51:21
End at: 2019-12-11 15:51:51
Local clock offset: 3.186 ms
Remote clock offset: 10.801 ms

Below is generated by plot.py at 2019-12-11 18:32:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.71 Mbit/s
95th percentile per-packet one-way delay: 18.800 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 181.00 Mbit/s
95th percentile per-packet one-way delay: 18.844 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 29.85 Mbit/s
95th percentile per-packet one-way delay: 0.207 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.62 Mbit/s
95th percentile per-packet one-way delay: 17.813 ms
Loss rate: 0.19%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-12-11 16:26:03

End at: 2019-12-11 16:26:33

Local clock offset: 2.923 ms

Remote clock offset: -2.8 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.46 Mbit/s

95th percentile per-packet one-way delay: 19.271 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 79.68 Mbit/s

95th percentile per-packet one-way delay: 19.285 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 0.969 ms

Loss rate: 0.00%

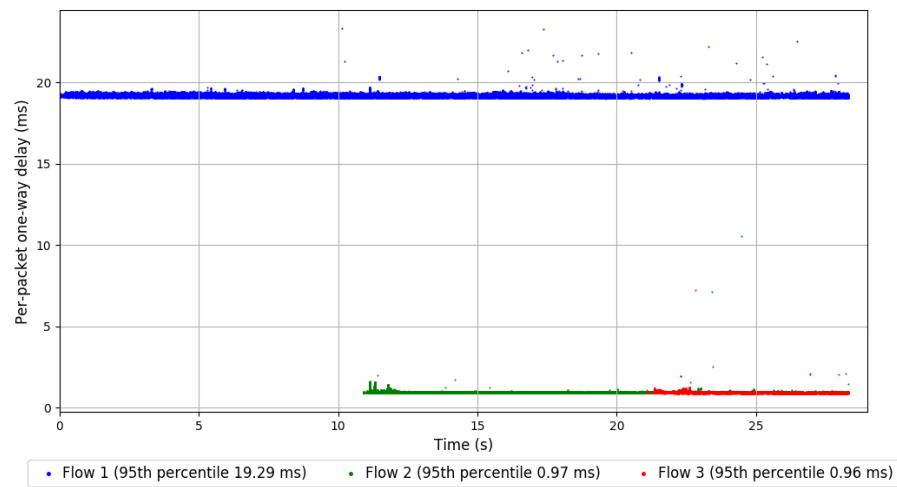
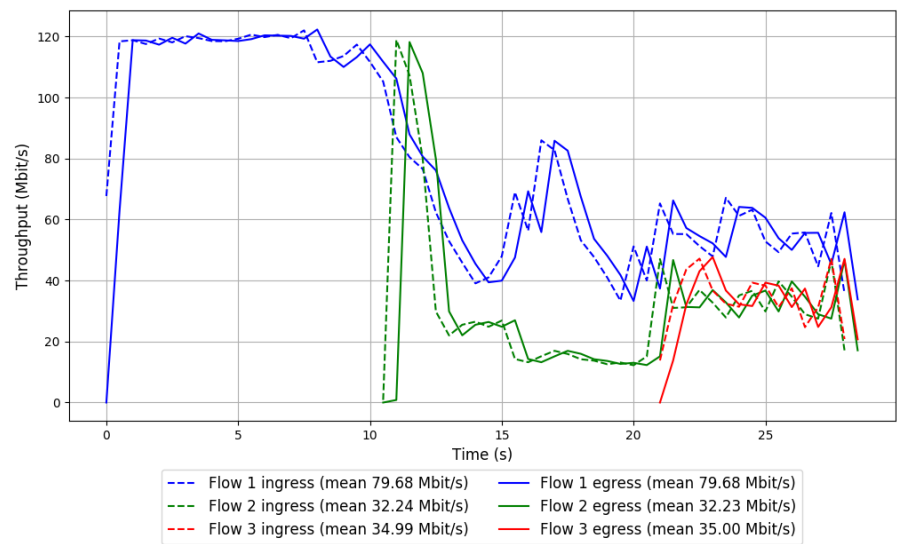
-- Flow 3:

Average throughput: 35.00 Mbit/s

95th percentile per-packet one-way delay: 0.962 ms

Loss rate: 0.02%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-12-11 17:01:05

End at: 2019-12-11 17:01:35

Local clock offset: 2.853 ms

Remote clock offset: -3.91 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 259.01 Mbit/s

95th percentile per-packet one-way delay: 20.747 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 189.04 Mbit/s

95th percentile per-packet one-way delay: 20.993 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.76 Mbit/s

95th percentile per-packet one-way delay: 18.837 ms

Loss rate: 0.04%

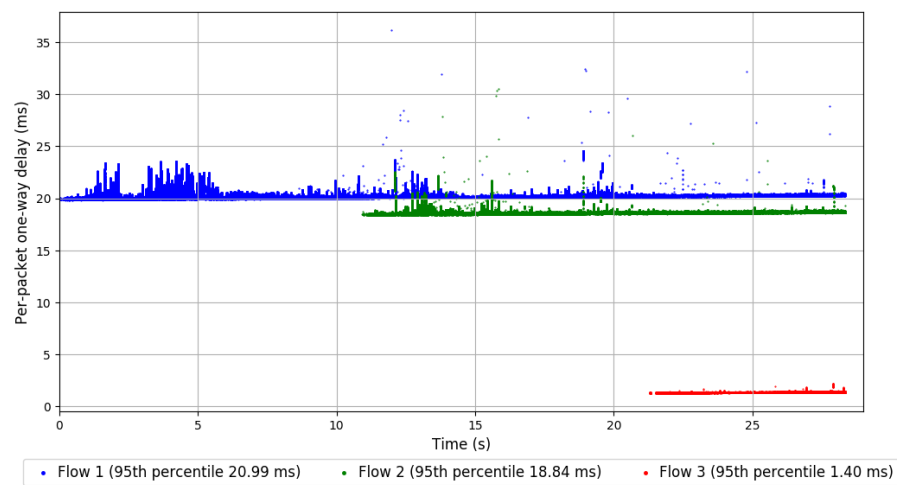
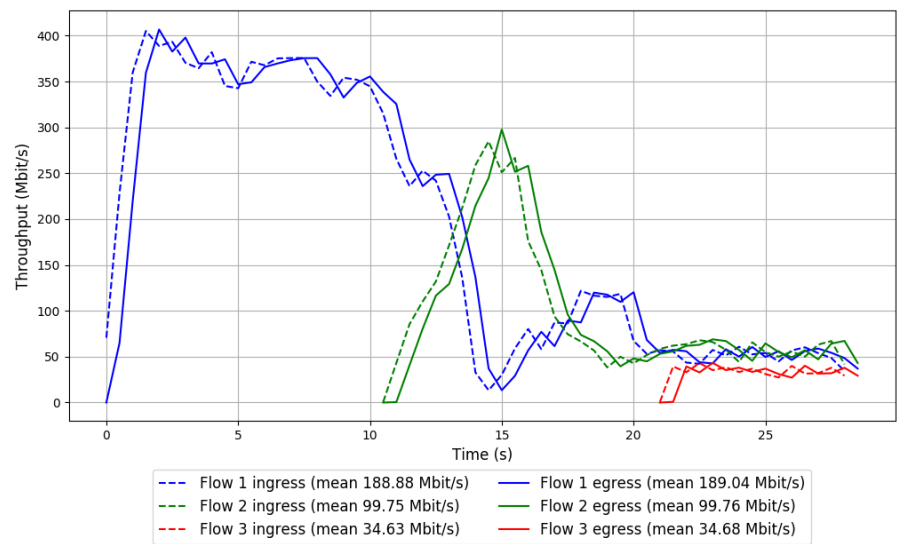
-- Flow 3:

Average throughput: 34.68 Mbit/s

95th percentile per-packet one-way delay: 1.402 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-12-11 17:36:07

End at: 2019-12-11 17:36:37

Local clock offset: 3.616 ms

Remote clock offset: 3.178 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.34 Mbit/s

95th percentile per-packet one-way delay: 19.918 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 198.59 Mbit/s

95th percentile per-packet one-way delay: 19.931 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 60.59 Mbit/s

95th percentile per-packet one-way delay: 19.829 ms

Loss rate: 0.03%

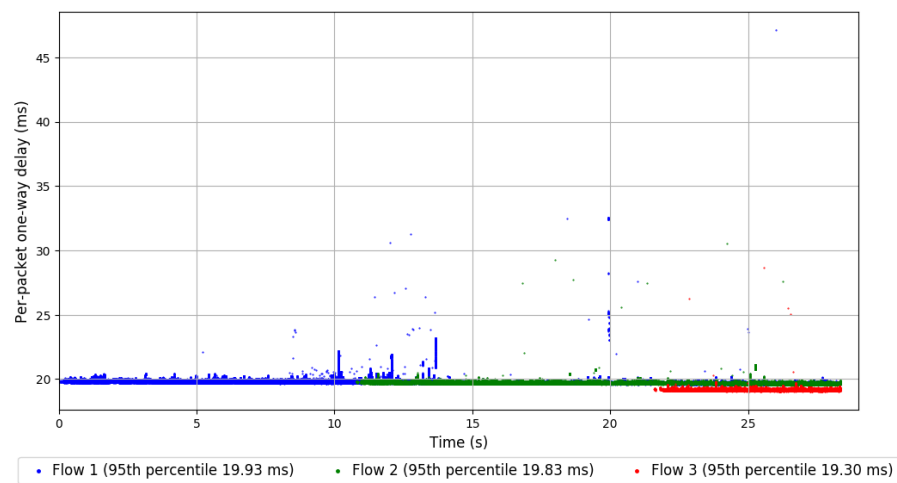
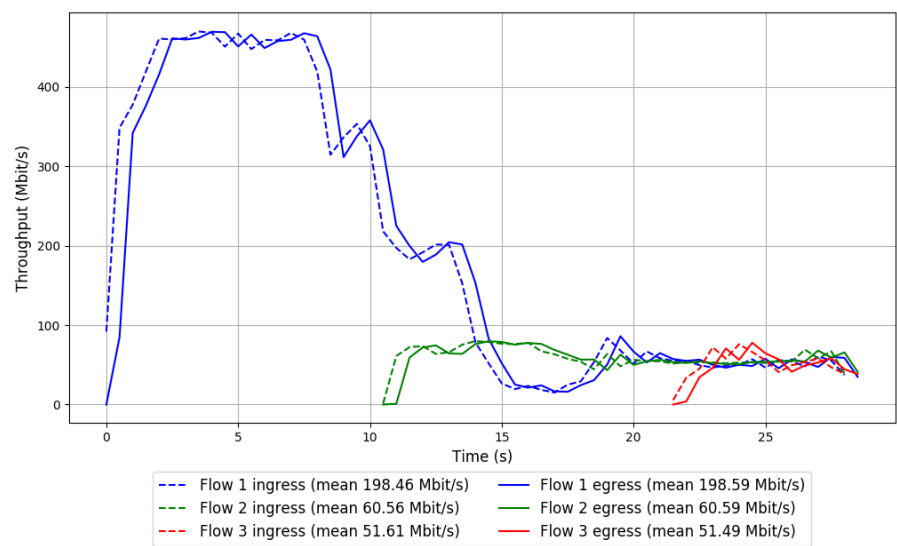
-- Flow 3:

Average throughput: 51.49 Mbit/s

95th percentile per-packet one-way delay: 19.304 ms

Loss rate: 0.62%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-12-11 15:02:08

End at: 2019-12-11 15:02:38

Local clock offset: 3.135 ms

Remote clock offset: 4.694 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 19.487 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 63.04 Mbit/s

95th percentile per-packet one-way delay: 1.042 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.15 Mbit/s

95th percentile per-packet one-way delay: 18.488 ms

Loss rate: 0.14%

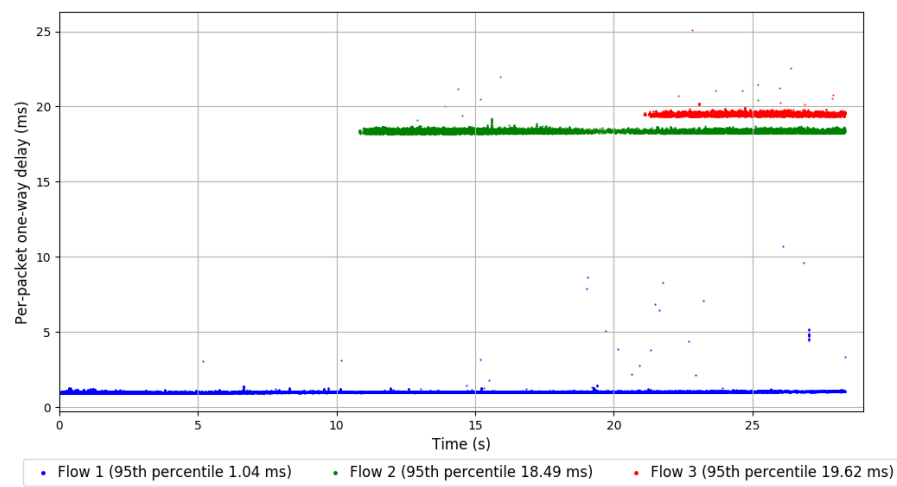
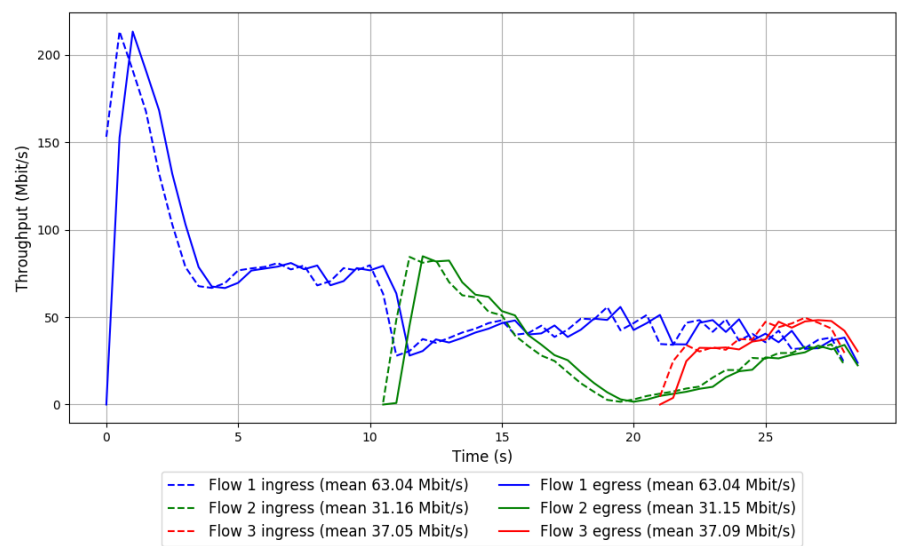
-- Flow 3:

Average throughput: 37.09 Mbit/s

95th percentile per-packet one-way delay: 19.623 ms

Loss rate: 0.28%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-12-11 15:37:06

End at: 2019-12-11 15:37:36

Local clock offset: 3.394 ms

Remote clock offset: 9.423 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 100.51 Mbit/s

95th percentile per-packet one-way delay: 18.305 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 62.07 Mbit/s

95th percentile per-packet one-way delay: 0.994 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.00%

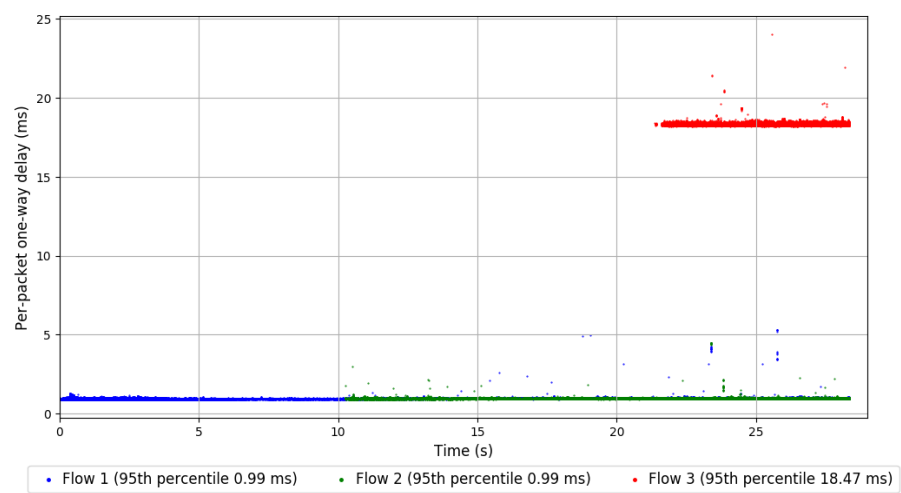
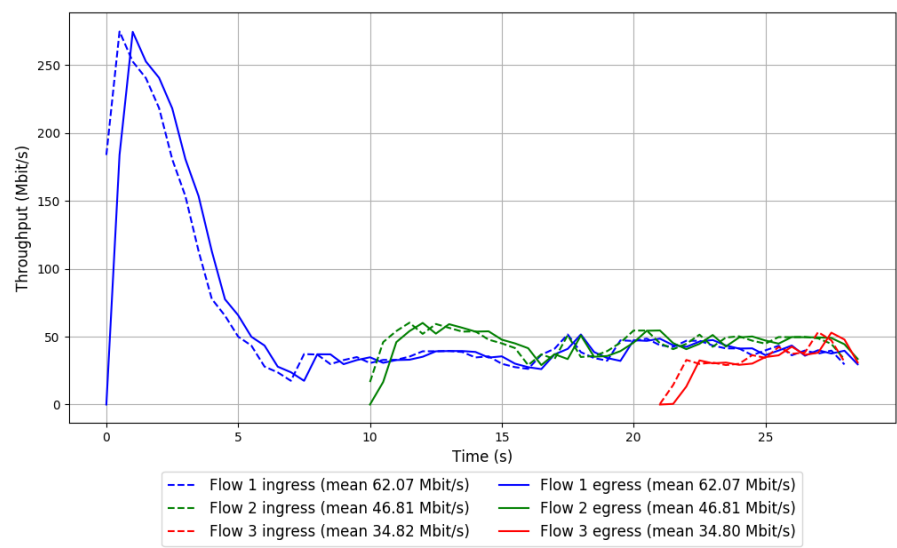
-- Flow 3:

Average throughput: 34.80 Mbit/s

95th percentile per-packet one-way delay: 18.466 ms

Loss rate: 0.24%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-12-11 16:11:47

End at: 2019-12-11 16:12:17

Local clock offset: 3.106 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.32 Mbit/s

95th percentile per-packet one-way delay: 19.292 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 68.51 Mbit/s

95th percentile per-packet one-way delay: 0.858 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.42 Mbit/s

95th percentile per-packet one-way delay: 19.354 ms

Loss rate: 0.01%

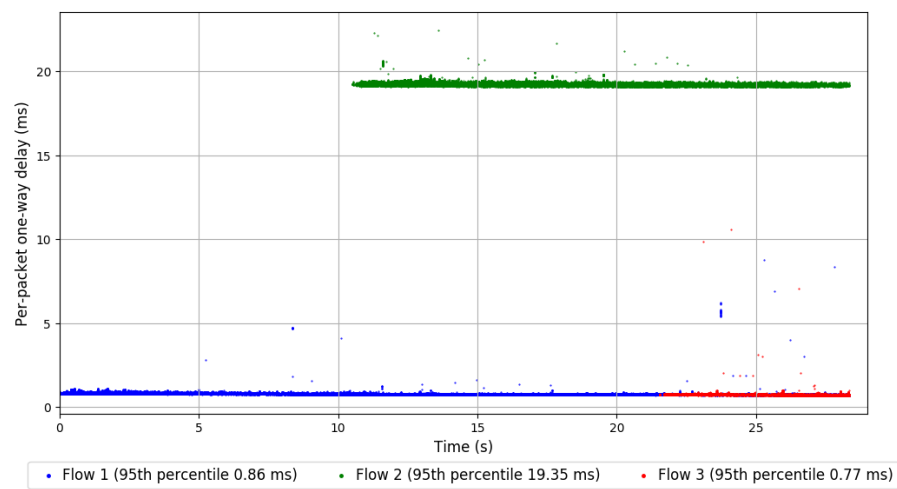
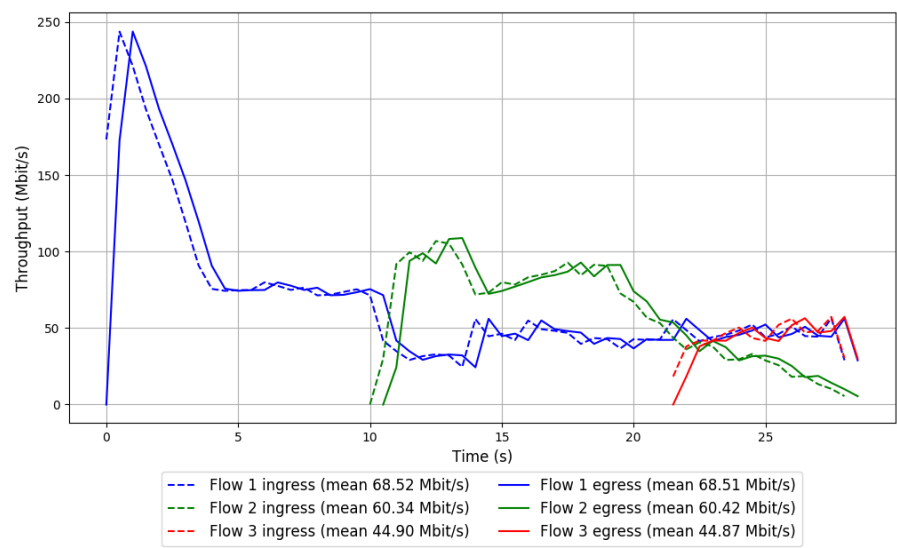
-- Flow 3:

Average throughput: 44.87 Mbit/s

95th percentile per-packet one-way delay: 0.769 ms

Loss rate: 0.09%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-12-11 16:46:49

End at: 2019-12-11 16:47:19

Local clock offset: 2.877 ms

Remote clock offset: -4.66 ms

Below is generated by plot.py at 2019-12-11 18:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.70 Mbit/s

95th percentile per-packet one-way delay: 1.001 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 58.80 Mbit/s

95th percentile per-packet one-way delay: 1.005 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.80 Mbit/s

95th percentile per-packet one-way delay: 0.979 ms

Loss rate: 0.00%

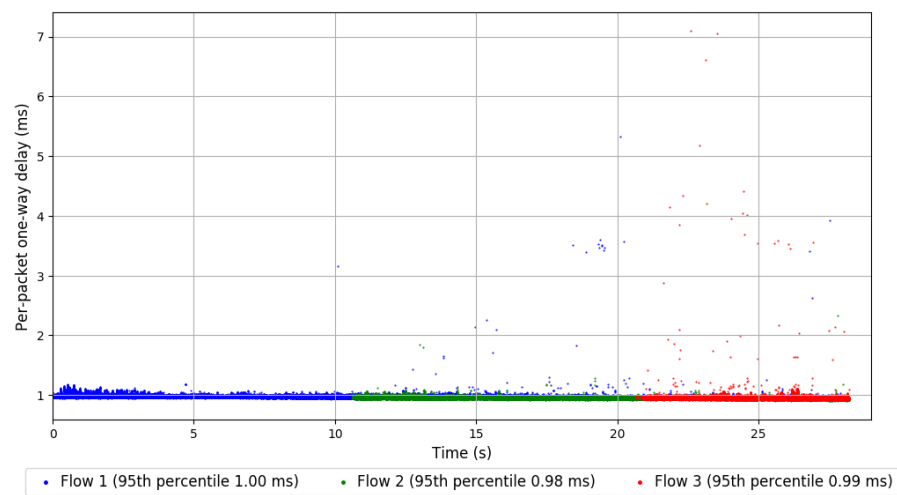
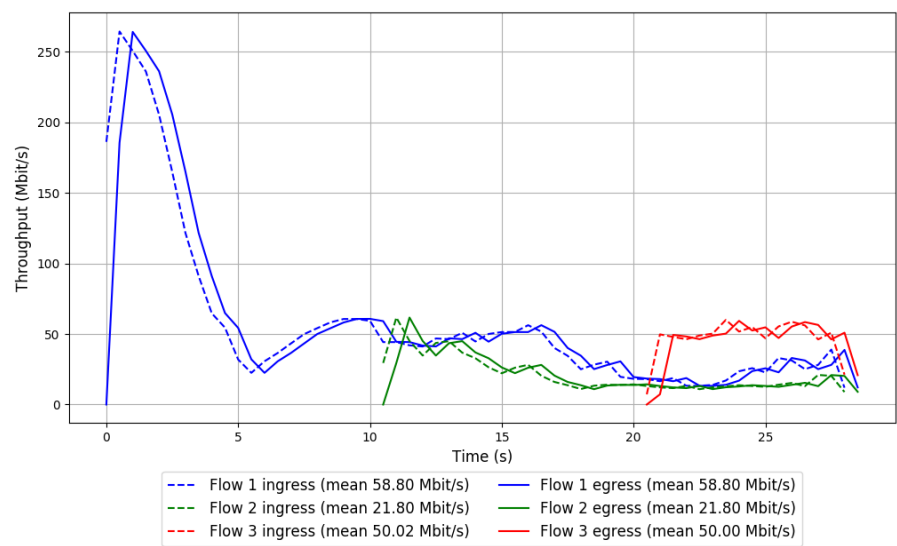
-- Flow 3:

Average throughput: 50.00 Mbit/s

95th percentile per-packet one-way delay: 0.989 ms

Loss rate: 0.05%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-12-11 17:21:53

End at: 2019-12-11 17:22:23

Local clock offset: 3.403 ms

Remote clock offset: 3.277 ms

Below is generated by plot.py at 2019-12-11 18:32:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 348.32 Mbit/s

95th percentile per-packet one-way delay: 18.895 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 307.52 Mbit/s

95th percentile per-packet one-way delay: 18.777 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 47.54 Mbit/s

95th percentile per-packet one-way delay: 0.942 ms

Loss rate: 0.02%

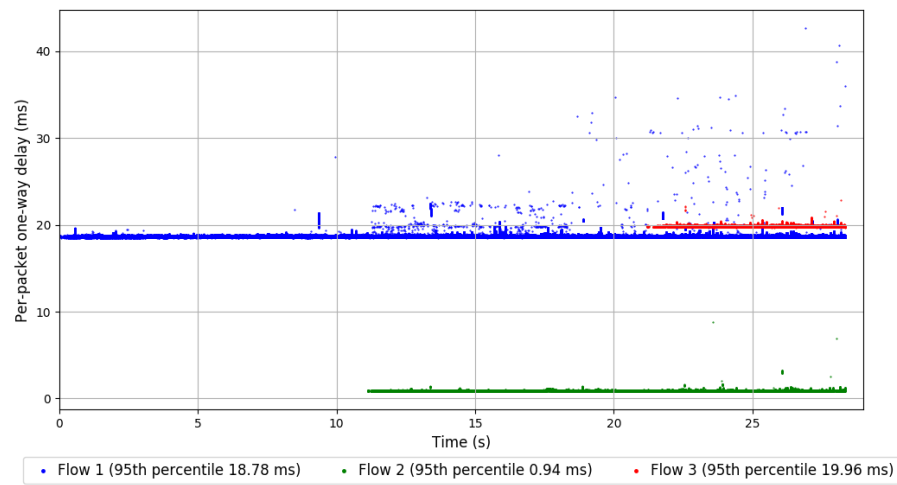
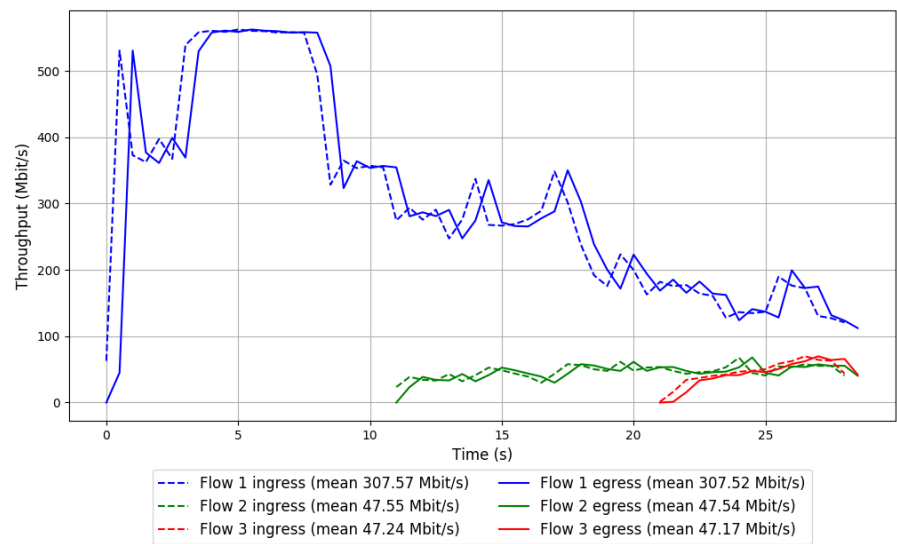
-- Flow 3:

Average throughput: 47.17 Mbit/s

95th percentile per-packet one-way delay: 19.961 ms

Loss rate: 0.36%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-12-11 15:24:02

End at: 2019-12-11 15:24:32

Local clock offset: 3.315 ms

Remote clock offset: 7.898 ms

Below is generated by plot.py at 2019-12-11 18:32:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 229.93 Mbit/s

95th percentile per-packet one-way delay: 19.101 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 196.79 Mbit/s

95th percentile per-packet one-way delay: 19.112 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 39.38 Mbit/s

95th percentile per-packet one-way delay: 0.963 ms

Loss rate: 0.00%

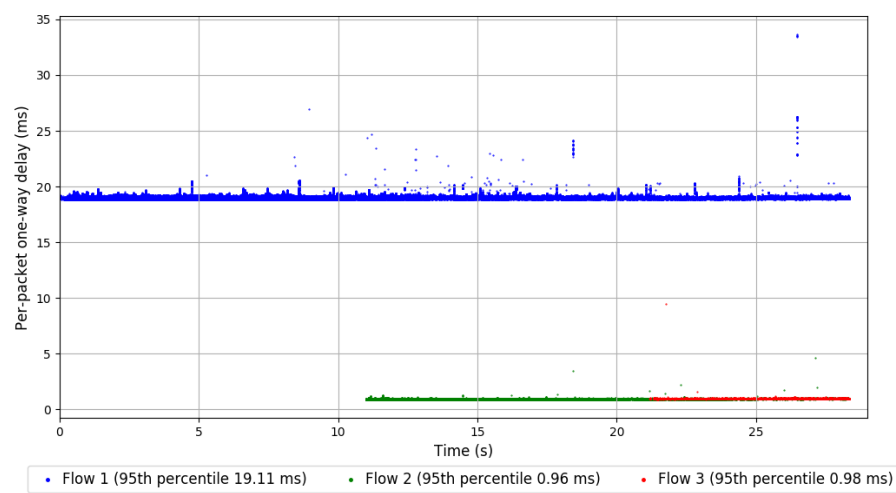
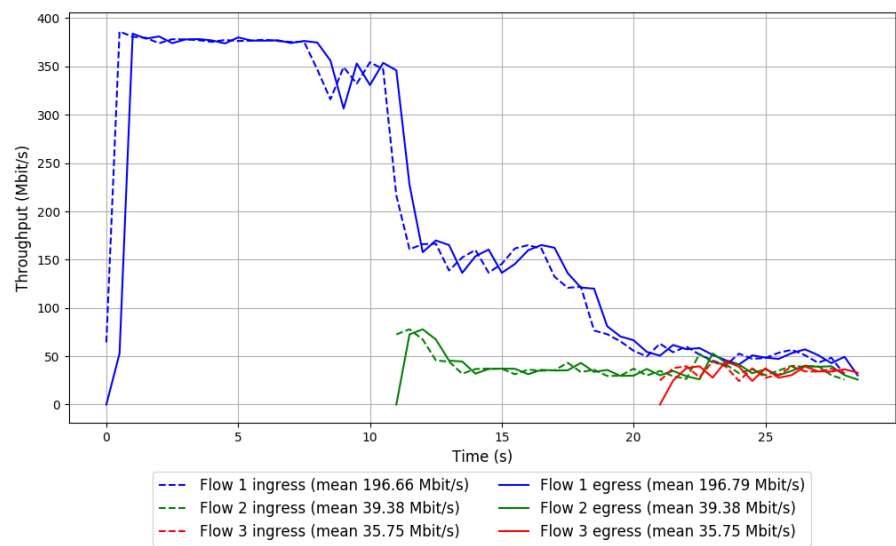
-- Flow 3:

Average throughput: 35.75 Mbit/s

95th percentile per-packet one-way delay: 0.981 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-12-11 15:58:58

End at: 2019-12-11 15:59:28

Local clock offset: 3.168 ms

Remote clock offset: 3.834 ms

Below is generated by plot.py at 2019-12-11 18:32:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.02 Mbit/s

95th percentile per-packet one-way delay: 19.644 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 226.52 Mbit/s

95th percentile per-packet one-way delay: 19.652 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 47.59 Mbit/s

95th percentile per-packet one-way delay: 0.590 ms

Loss rate: 0.02%

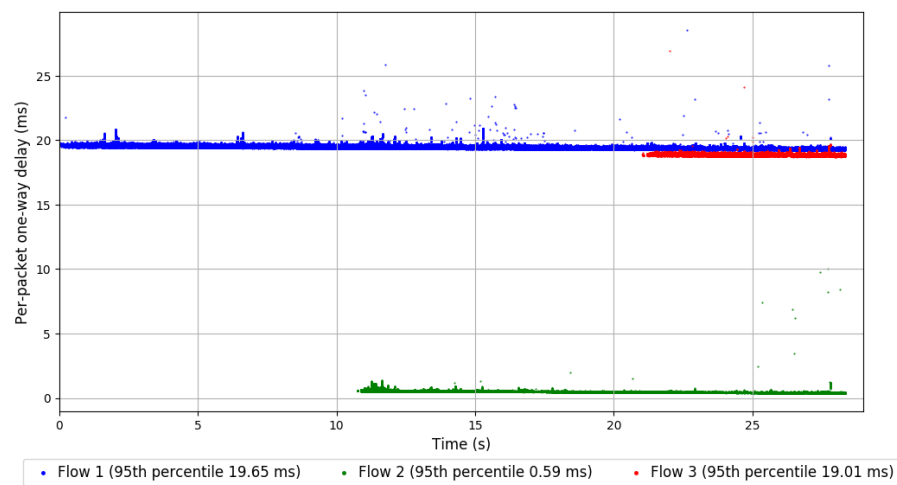
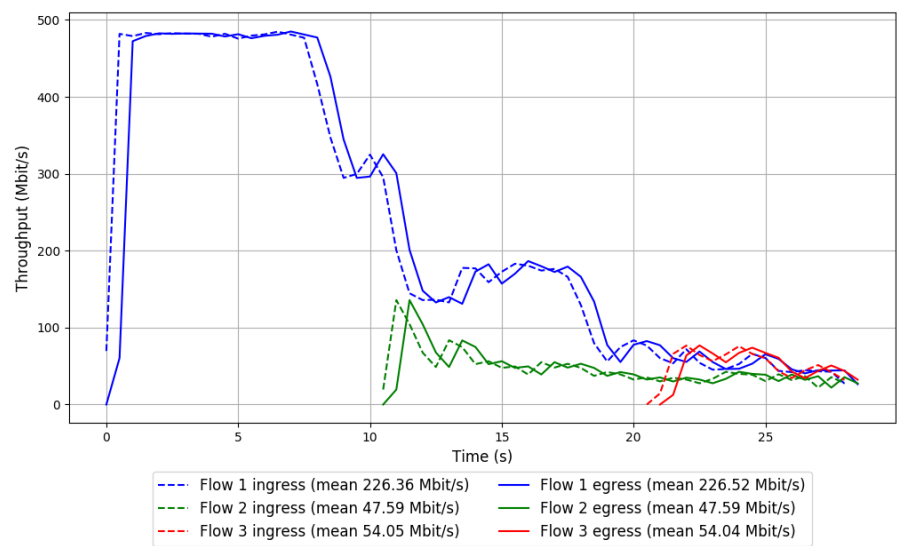
-- Flow 3:

Average throughput: 54.04 Mbit/s

95th percentile per-packet one-way delay: 19.009 ms

Loss rate: 0.18%

Run 2: Report of Indigo-MusesT — Data Link

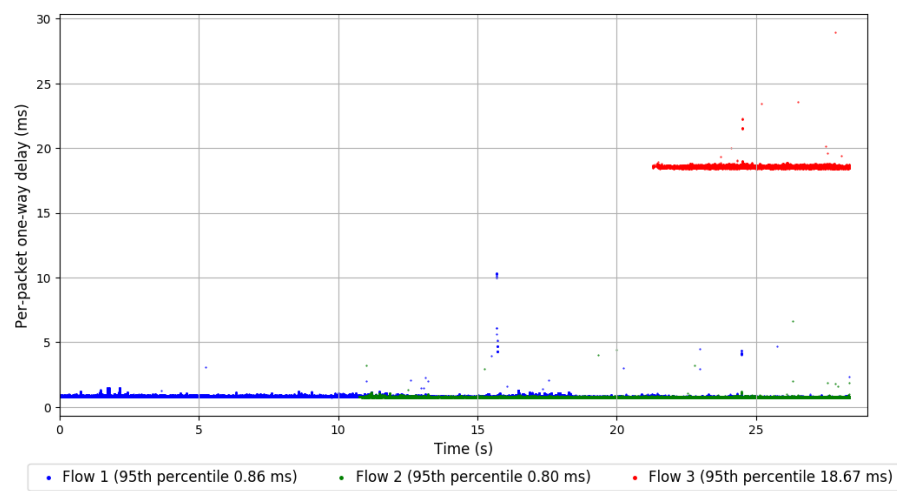
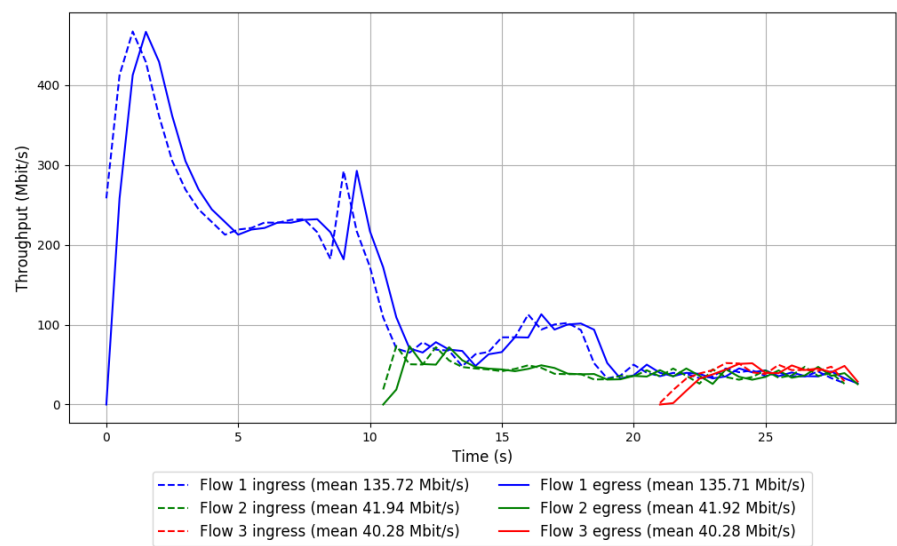


Run 3: Statistics of Indigo-MusesT

Start at: 2019-12-11 16:33:41
End at: 2019-12-11 16:34:11
Local clock offset: 2.889 ms
Remote clock offset: -3.345 ms

Below is generated by plot.py at 2019-12-11 18:32:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.76 Mbit/s
95th percentile per-packet one-way delay: 18.486 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 135.71 Mbit/s
95th percentile per-packet one-way delay: 0.858 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.92 Mbit/s
95th percentile per-packet one-way delay: 0.800 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 18.672 ms
Loss rate: 0.32%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-12-11 17:08:38

End at: 2019-12-11 17:09:08

Local clock offset: 2.823 ms

Remote clock offset: 0.496 ms

Below is generated by plot.py at 2019-12-11 18:32:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 172.29 Mbit/s

95th percentile per-packet one-way delay: 18.717 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 120.90 Mbit/s

95th percentile per-packet one-way delay: 0.997 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.60 Mbit/s

95th percentile per-packet one-way delay: 1.032 ms

Loss rate: 0.01%

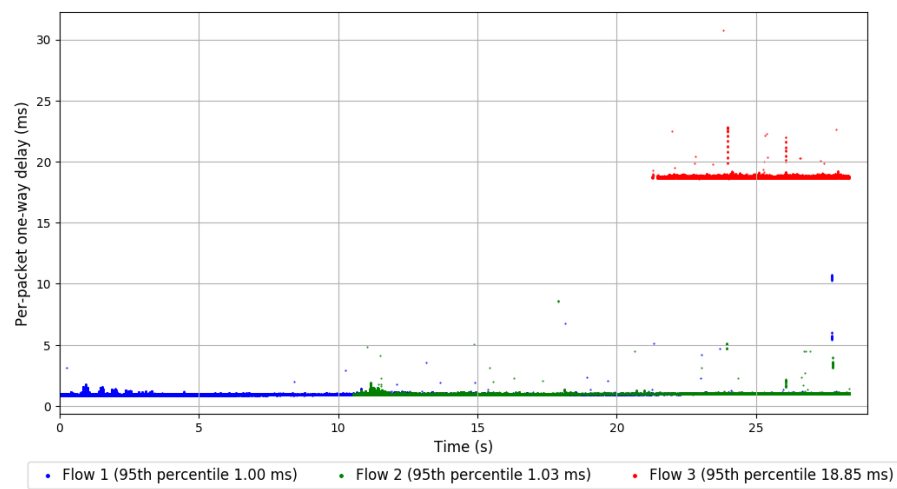
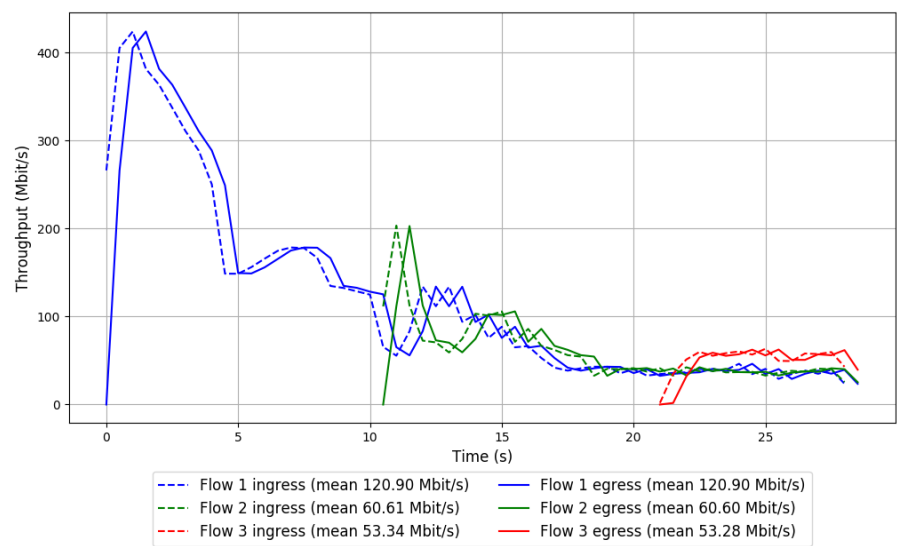
-- Flow 3:

Average throughput: 53.28 Mbit/s

95th percentile per-packet one-way delay: 18.854 ms

Loss rate: 0.51%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-12-11 17:43:45

End at: 2019-12-11 17:44:15

Local clock offset: 3.687 ms

Remote clock offset: 1.362 ms

Below is generated by plot.py at 2019-12-11 18:32:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 248.97 Mbit/s

95th percentile per-packet one-way delay: 19.321 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 214.55 Mbit/s

95th percentile per-packet one-way delay: 19.331 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 36.41 Mbit/s

95th percentile per-packet one-way delay: 0.774 ms

Loss rate: 0.02%

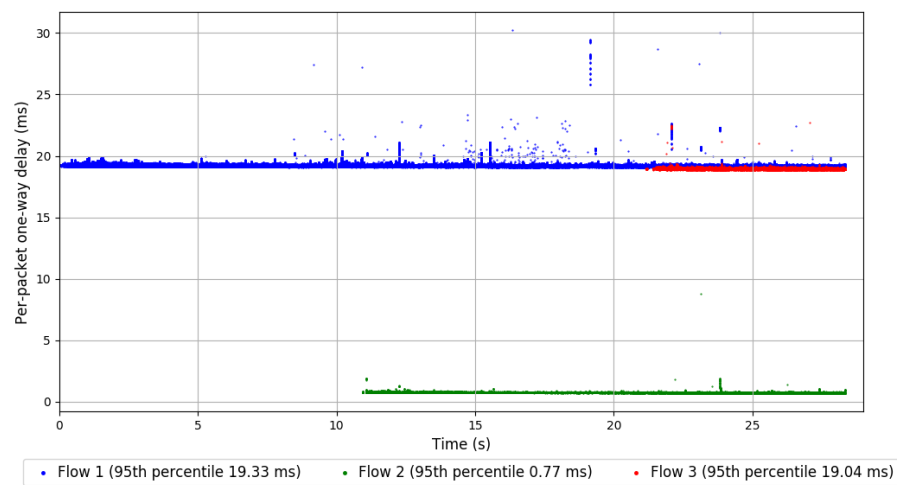
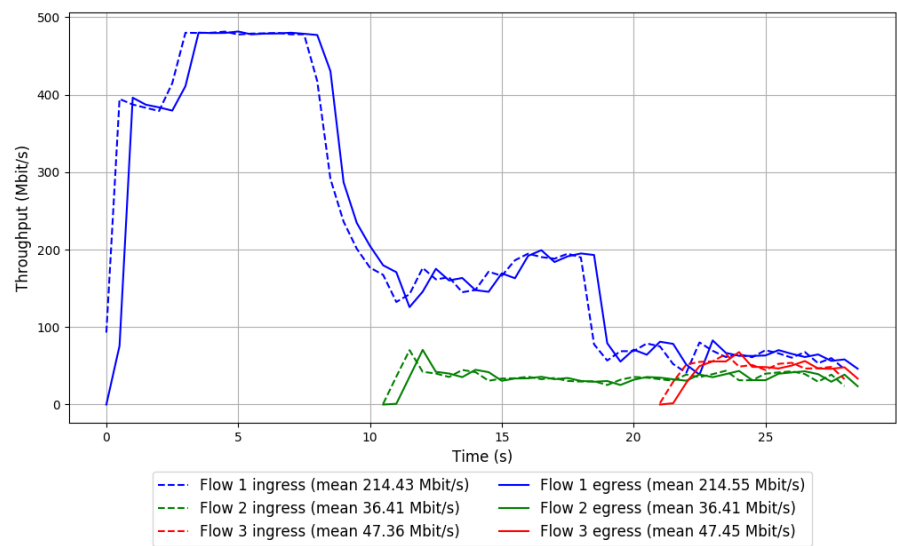
-- Flow 3:

Average throughput: 47.45 Mbit/s

95th percentile per-packet one-way delay: 19.041 ms

Loss rate: 0.28%

Run 5: Report of Indigo-MusesT — Data Link

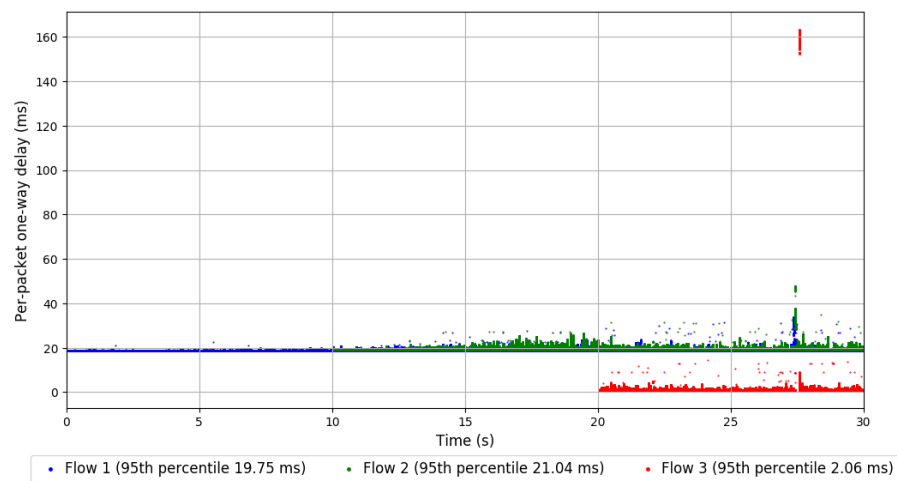
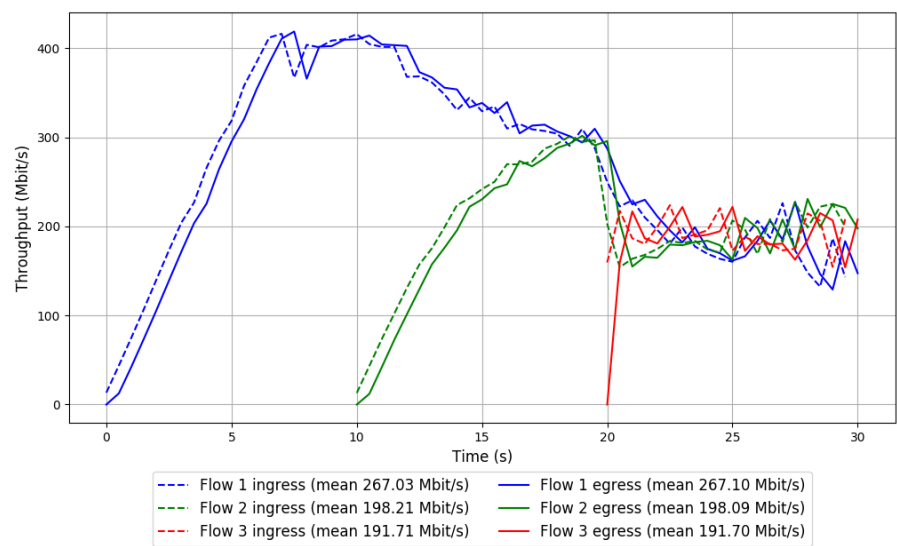


```
Run 1: Statistics of LEDBAT

Start at: 2019-12-11 15:20:52
End at: 2019-12-11 15:21:22
Local clock offset: 3.284 ms
Remote clock offset: 7.466 ms

# Below is generated by plot.py at 2019-12-11 18:35:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 462.60 Mbit/s
95th percentile per-packet one-way delay: 20.194 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 267.10 Mbit/s
95th percentile per-packet one-way delay: 19.753 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 198.09 Mbit/s
95th percentile per-packet one-way delay: 21.038 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 191.70 Mbit/s
95th percentile per-packet one-way delay: 2.060 ms
Loss rate: 0.02%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-12-11 15:55:52

End at: 2019-12-11 15:56:22

Local clock offset: 3.173 ms

Remote clock offset: 6.054 ms

Below is generated by plot.py at 2019-12-11 18:36:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 473.04 Mbit/s

95th percentile per-packet one-way delay: 19.060 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 252.40 Mbit/s

95th percentile per-packet one-way delay: 18.552 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 209.56 Mbit/s

95th percentile per-packet one-way delay: 19.455 ms

Loss rate: 0.16%

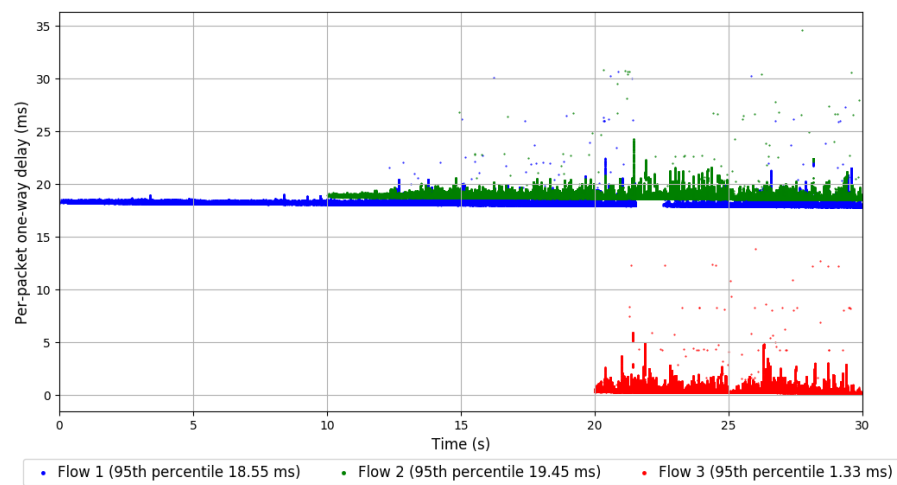
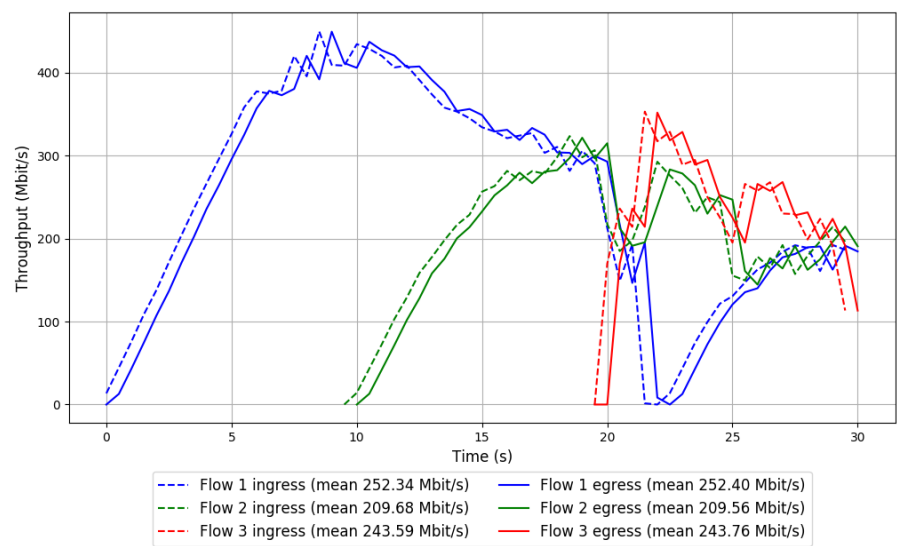
-- Flow 3:

Average throughput: 243.76 Mbit/s

95th percentile per-packet one-way delay: 1.331 ms

Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

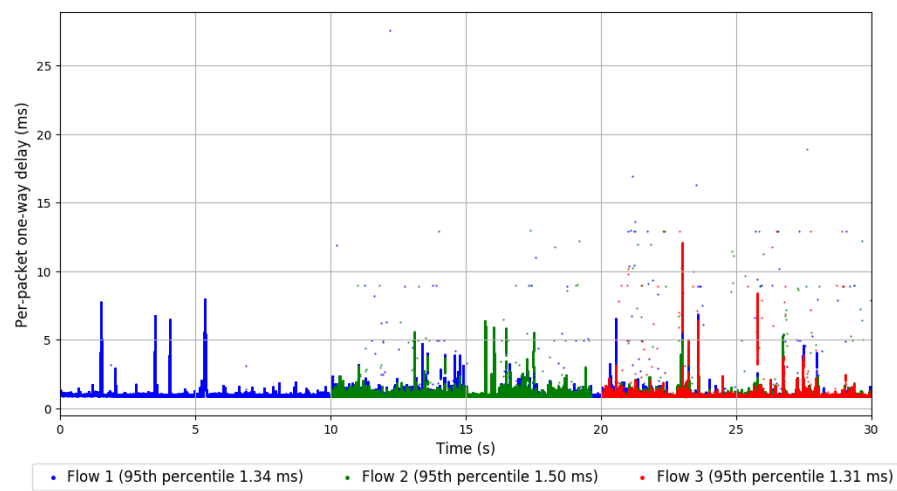
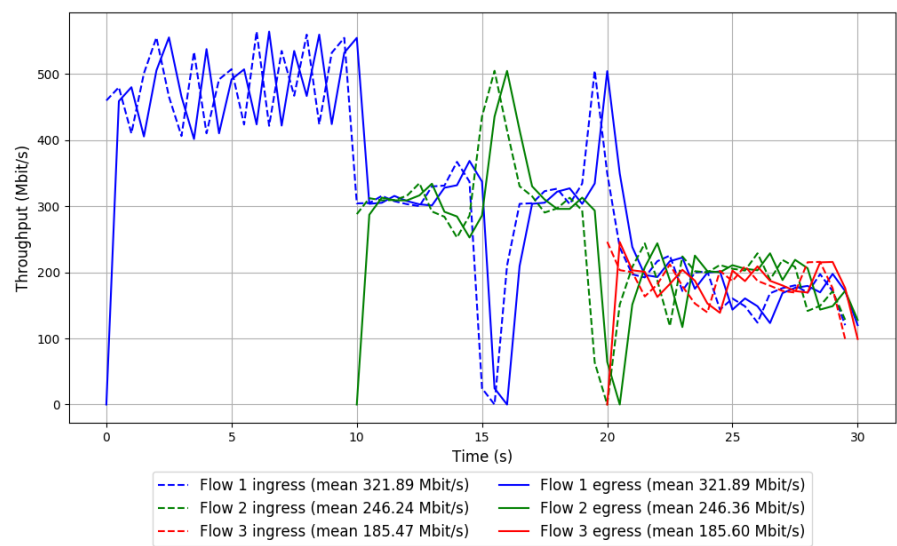


Run 3: Statistics of LEDBAT

Start at: 2019-12-11 16:30:26
End at: 2019-12-11 16:30:56
Local clock offset: 2.904 ms
Remote clock offset: -3.189 ms

Below is generated by plot.py at 2019-12-11 18:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 547.46 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.89 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 246.36 Mbit/s
95th percentile per-packet one-way delay: 1.502 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 185.60 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

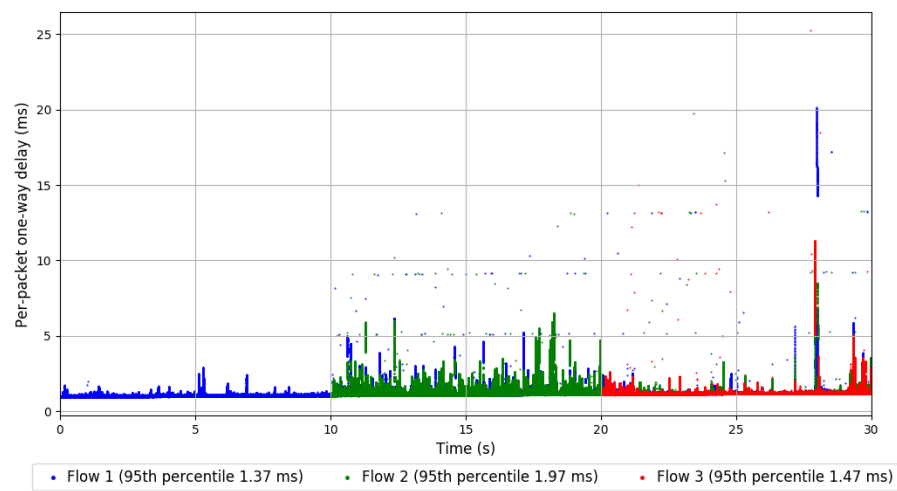
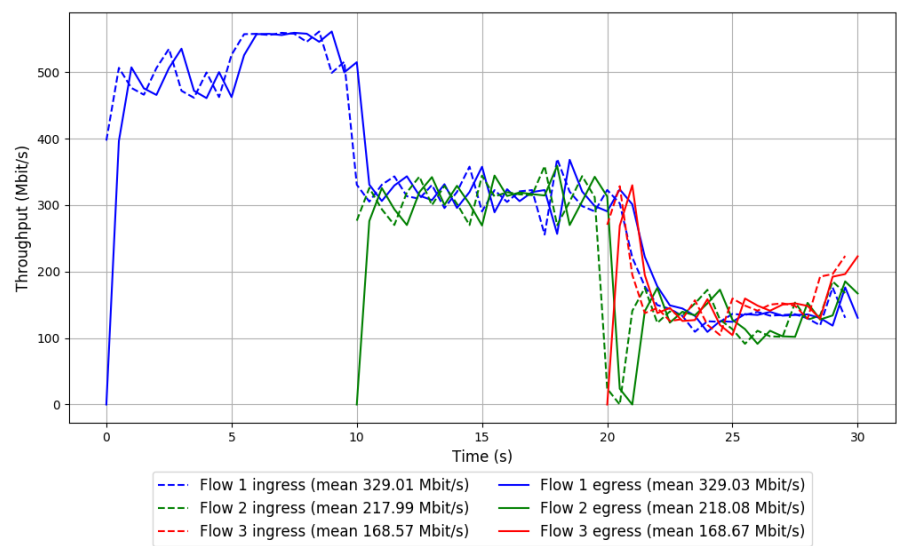


Run 4: Statistics of LEDBAT

Start at: 2019-12-11 17:05:34
End at: 2019-12-11 17:06:04
Local clock offset: 2.832 ms
Remote clock offset: -0.899 ms

Below is generated by plot.py at 2019-12-11 18:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 530.08 Mbit/s
95th percentile per-packet one-way delay: 1.538 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 329.03 Mbit/s
95th percentile per-packet one-way delay: 1.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 218.08 Mbit/s
95th percentile per-packet one-way delay: 1.966 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 168.67 Mbit/s
95th percentile per-packet one-way delay: 1.465 ms
Loss rate: 0.03%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-12-11 17:40:37

End at: 2019-12-11 17:41:07

Local clock offset: 3.674 ms

Remote clock offset: 1.893 ms

Below is generated by plot.py at 2019-12-11 18:37:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 451.24 Mbit/s

95th percentile per-packet one-way delay: 19.953 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 259.46 Mbit/s

95th percentile per-packet one-way delay: 18.976 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 216.94 Mbit/s

95th percentile per-packet one-way delay: 20.027 ms

Loss rate: 0.08%

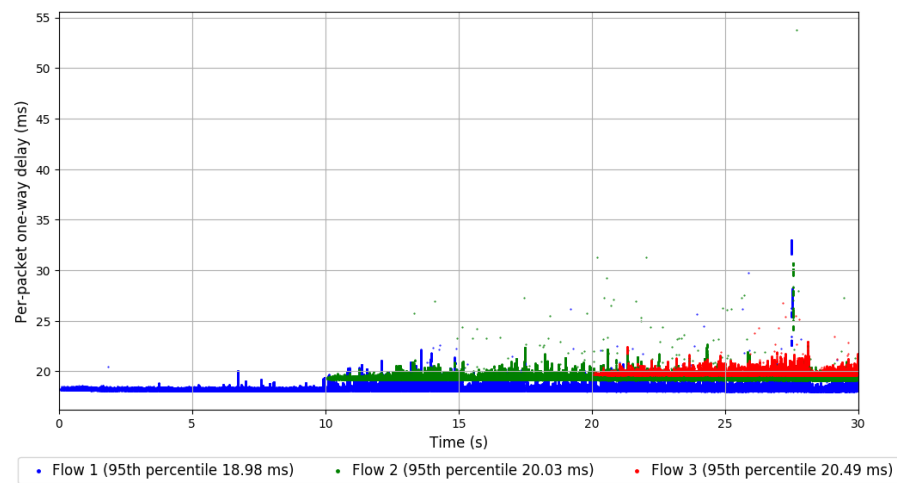
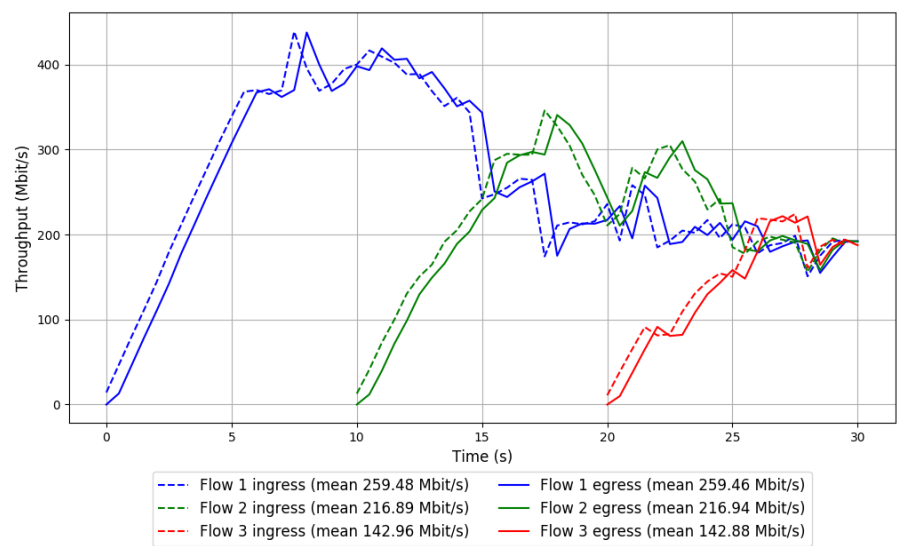
-- Flow 3:

Average throughput: 142.88 Mbit/s

95th percentile per-packet one-way delay: 20.491 ms

Loss rate: 0.27%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-12-11 15:13:23

End at: 2019-12-11 15:13:53

Local clock offset: 3.209 ms

Remote clock offset: 6.491 ms

Below is generated by plot.py at 2019-12-11 18:37:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 186.71 Mbit/s

95th percentile per-packet one-way delay: 19.411 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 146.10 Mbit/s

95th percentile per-packet one-way delay: 18.785 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 56.69 Mbit/s

95th percentile per-packet one-way delay: 19.503 ms

Loss rate: 0.05%

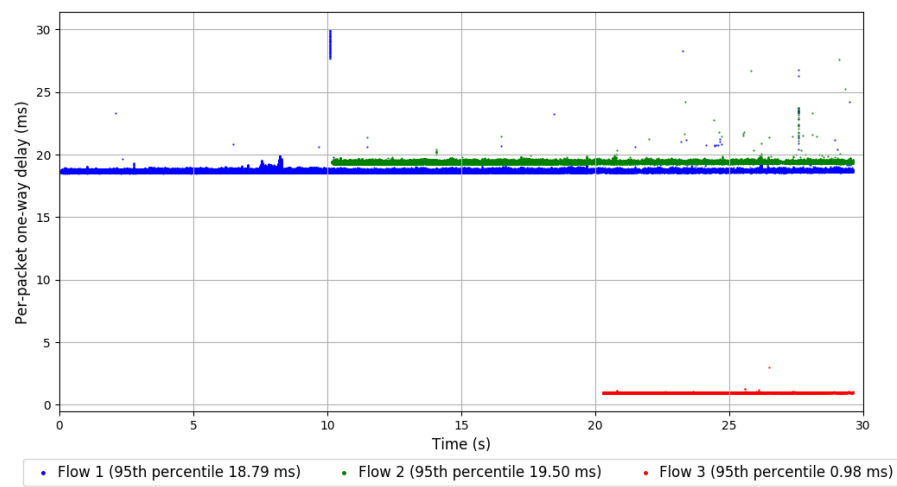
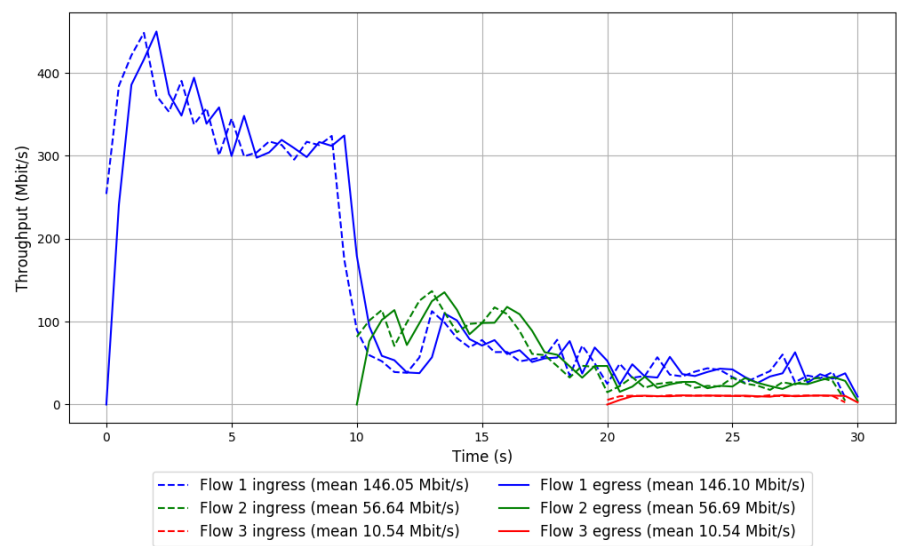
-- Flow 3:

Average throughput: 10.54 Mbit/s

95th percentile per-packet one-way delay: 0.982 ms

Loss rate: 0.01%

Run 1: Report of Muses_DecisionTree — Data Link

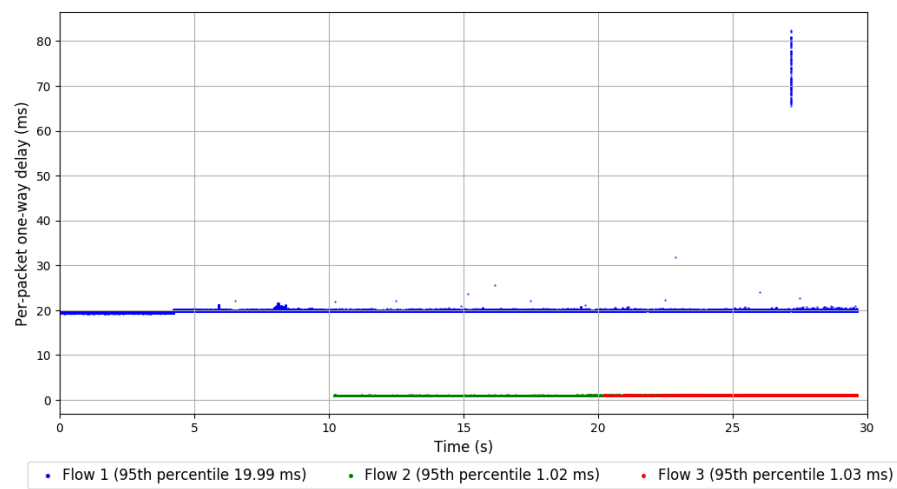
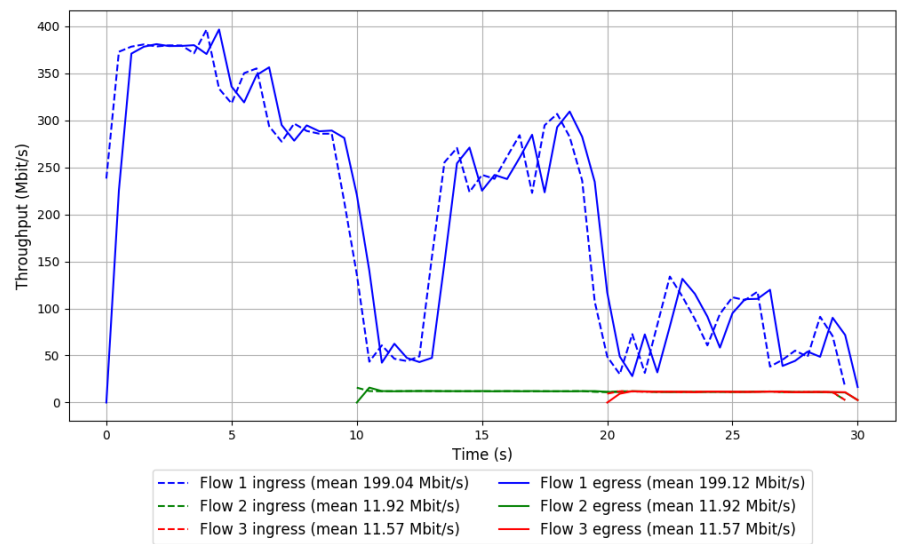


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-12-11 15:48:21
End at: 2019-12-11 15:48:51
Local clock offset: 3.252 ms
Remote clock offset: 10.721 ms

Below is generated by plot.py at 2019-12-11 18:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 210.62 Mbit/s
95th percentile per-packet one-way delay: 19.989 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 199.12 Mbit/s
95th percentile per-packet one-way delay: 19.992 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 1.024 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.01%

Run 2: Report of Muses_DecisionTree — Data Link

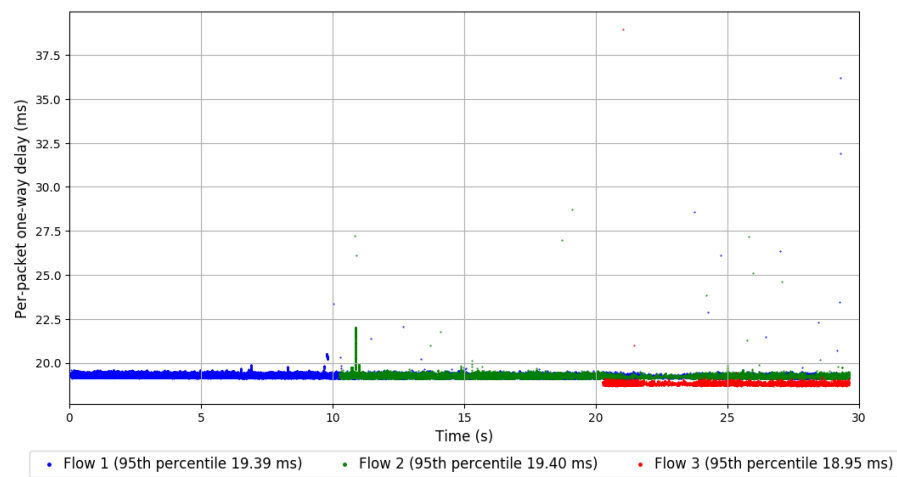
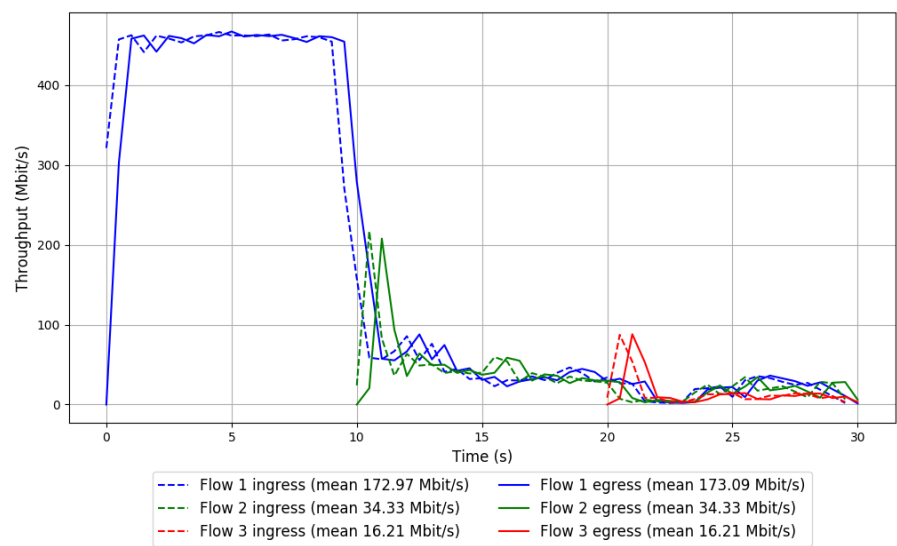


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-12-11 16:23:04
End at: 2019-12-11 16:23:34
Local clock offset: 2.953 ms
Remote clock offset: -2.373 ms

Below is generated by plot.py at 2019-12-11 18:37:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.64 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 173.09 Mbit/s
95th percentile per-packet one-way delay: 19.390 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 19.396 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 16.21 Mbit/s
95th percentile per-packet one-way delay: 18.948 ms
Loss rate: 0.20%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-12-11 16:58:07

End at: 2019-12-11 16:58:37

Local clock offset: 2.867 ms

Remote clock offset: -5.52 ms

Below is generated by plot.py at 2019-12-11 18:37:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.38 Mbit/s

95th percentile per-packet one-way delay: 19.046 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 93.51 Mbit/s

95th percentile per-packet one-way delay: 18.937 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 18.84 Mbit/s

95th percentile per-packet one-way delay: 19.154 ms

Loss rate: 0.11%

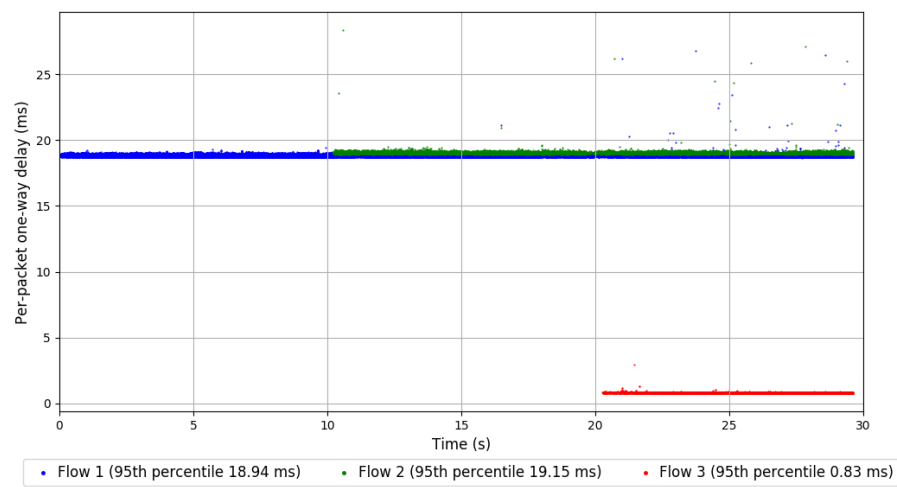
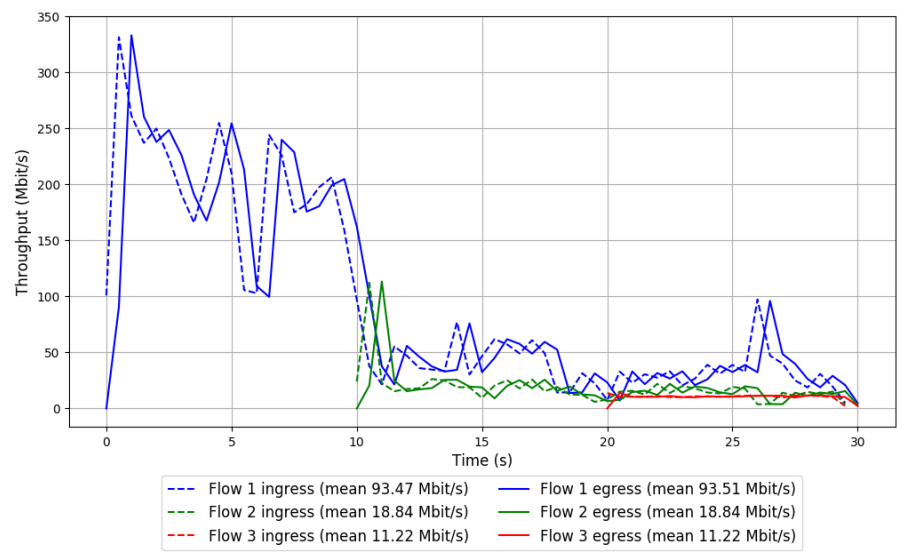
-- Flow 3:

Average throughput: 11.22 Mbit/s

95th percentile per-packet one-way delay: 0.834 ms

Loss rate: 0.02%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-12-11 17:33:11

End at: 2019-12-11 17:33:41

Local clock offset: 3.592 ms

Remote clock offset: 4.155 ms

Below is generated by plot.py at 2019-12-11 18:37:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.29 Mbit/s

95th percentile per-packet one-way delay: 19.063 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 12.27 Mbit/s

95th percentile per-packet one-way delay: 0.883 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 88.45 Mbit/s

95th percentile per-packet one-way delay: 18.722 ms

Loss rate: 0.02%

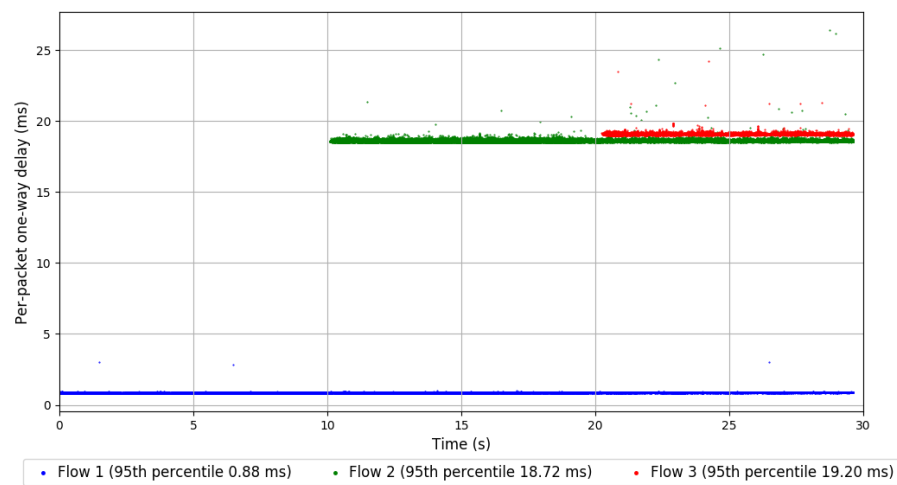
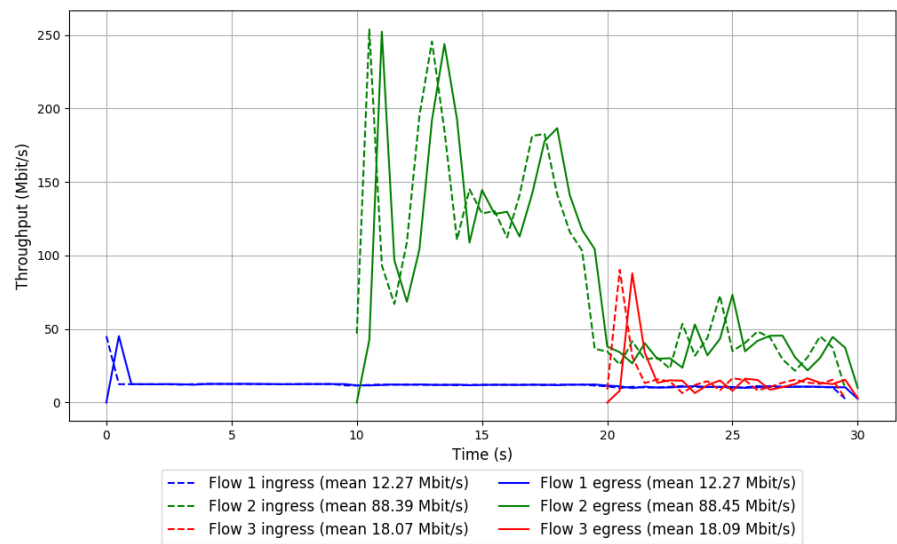
-- Flow 3:

Average throughput: 18.09 Mbit/s

95th percentile per-packet one-way delay: 19.202 ms

Loss rate: 0.11%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 15:03:26

End at: 2019-12-11 15:03:56

Local clock offset: 3.114 ms

Remote clock offset: 4.943 ms

Below is generated by plot.py at 2019-12-11 18:37:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.91 Mbit/s

95th percentile per-packet one-way delay: 19.893 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.04 Mbit/s

95th percentile per-packet one-way delay: 1.011 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 141.72 Mbit/s

95th percentile per-packet one-way delay: 18.906 ms

Loss rate: 0.00%

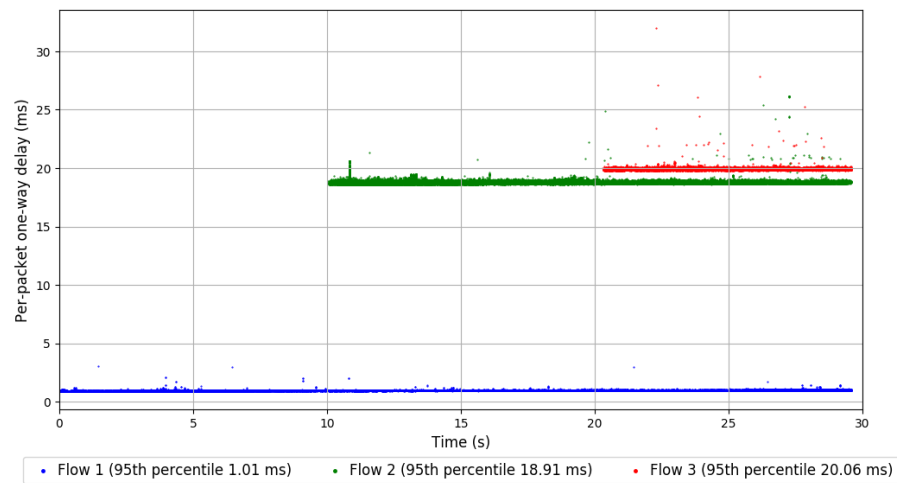
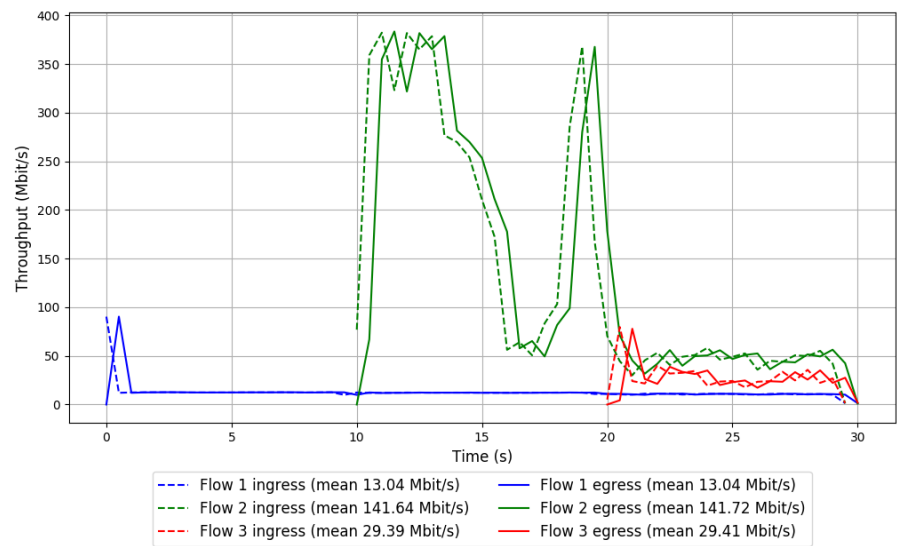
-- Flow 3:

Average throughput: 29.41 Mbit/s

95th percentile per-packet one-way delay: 20.058 ms

Loss rate: 0.03%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 15:38:24

End at: 2019-12-11 15:38:54

Local clock offset: 3.383 ms

Remote clock offset: 9.525 ms

Below is generated by plot.py at 2019-12-11 18:37:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.99 Mbit/s

95th percentile per-packet one-way delay: 20.055 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 174.02 Mbit/s

95th percentile per-packet one-way delay: 20.064 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 52.08 Mbit/s

95th percentile per-packet one-way delay: 18.883 ms

Loss rate: 0.03%

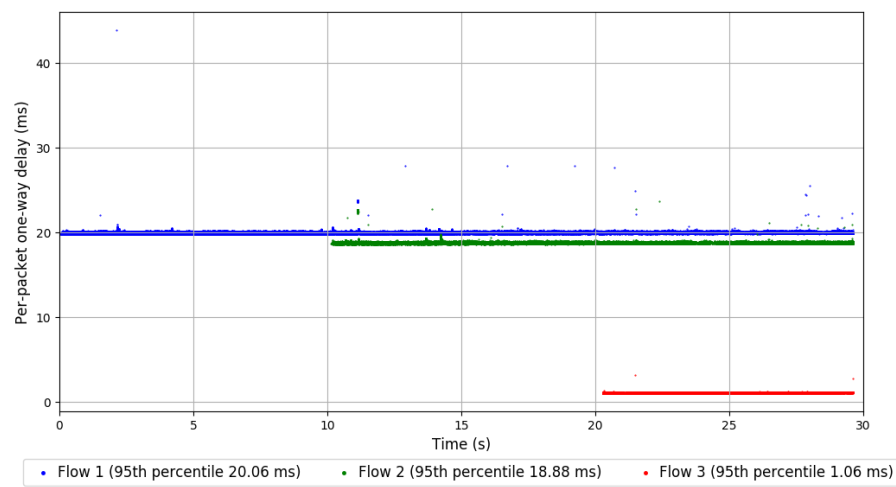
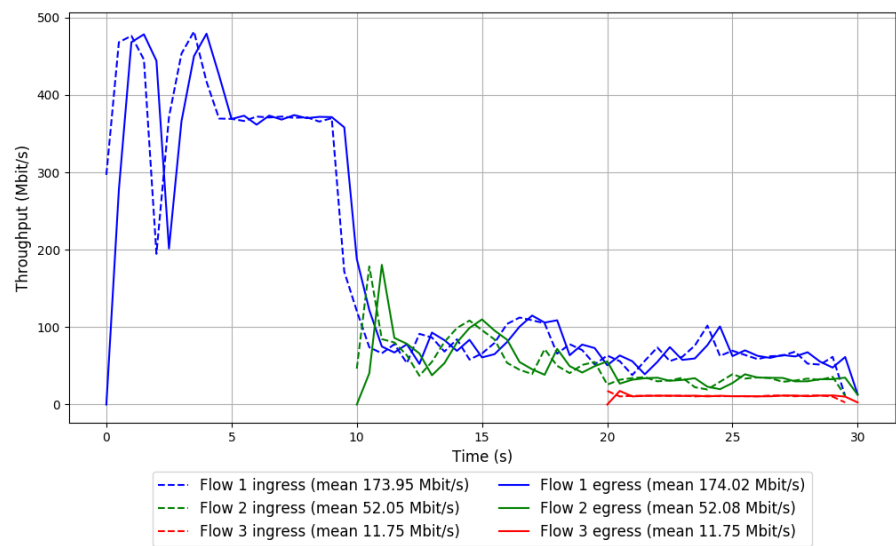
-- Flow 3:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 1.064 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

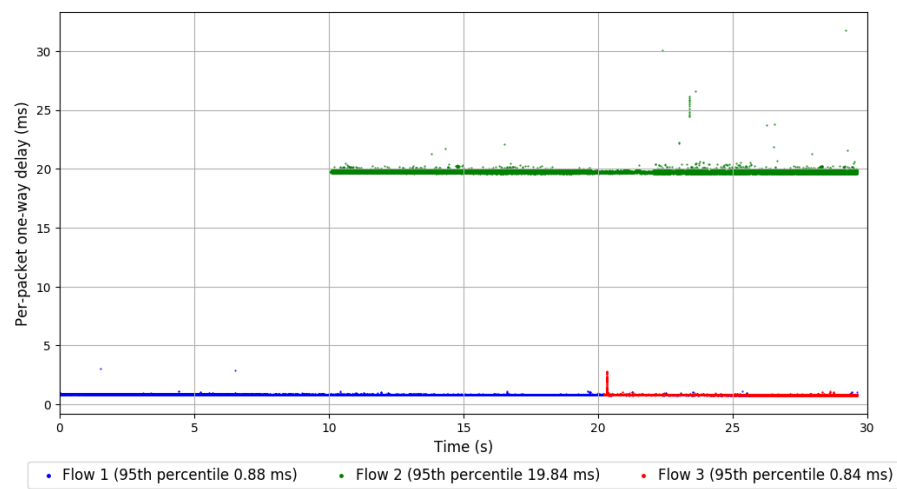
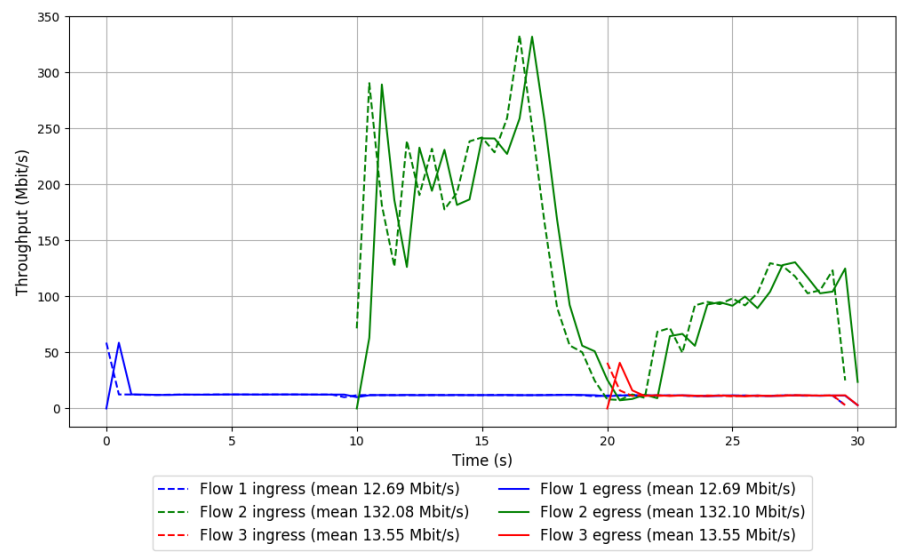


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 16:13:06
End at: 2019-12-11 16:13:36
Local clock offset: 3.083 ms
Remote clock offset: -0.943 ms

Below is generated by plot.py at 2019-12-11 18:37:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 104.29 Mbit/s
95th percentile per-packet one-way delay: 19.838 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 0.876 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 132.10 Mbit/s
95th percentile per-packet one-way delay: 19.845 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 0.841 ms
Loss rate: 0.02%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

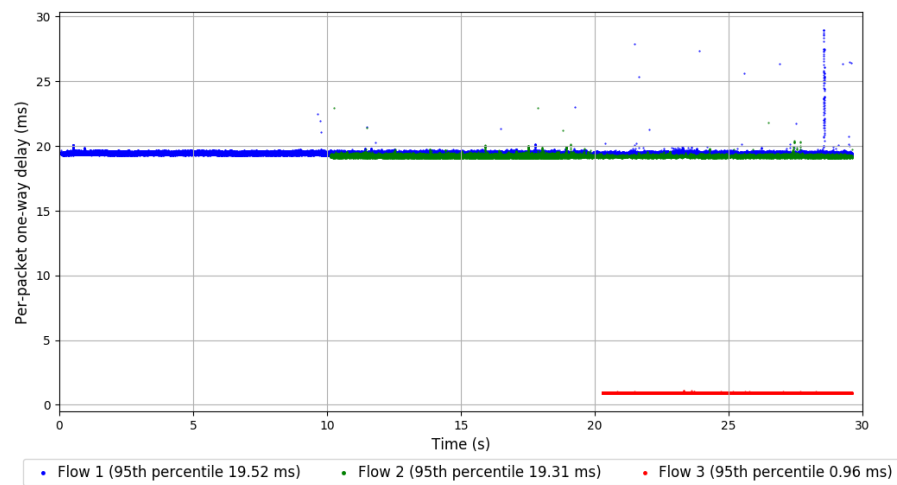
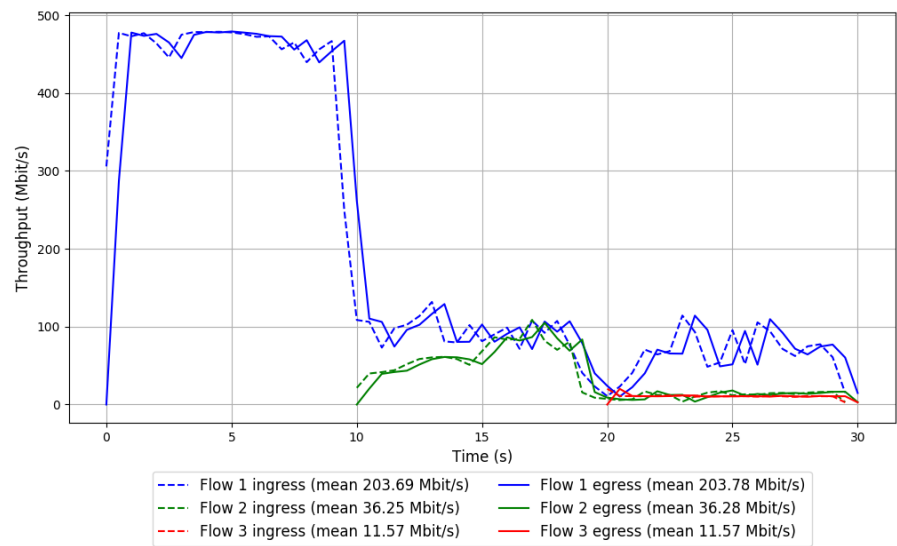


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 16:48:06
End at: 2019-12-11 16:48:36
Local clock offset: 2.886 ms
Remote clock offset: -4.745 ms

Below is generated by plot.py at 2019-12-11 18:38:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.32 Mbit/s
95th percentile per-packet one-way delay: 19.513 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 203.78 Mbit/s
95th percentile per-packet one-way delay: 19.518 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.28 Mbit/s
95th percentile per-packet one-way delay: 19.309 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 0.959 ms
Loss rate: 0.02%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-12-11 17:23:19

End at: 2019-12-11 17:23:49

Local clock offset: 3.455 ms

Remote clock offset: 3.367 ms

Below is generated by plot.py at 2019-12-11 18:38:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.92 Mbit/s

95th percentile per-packet one-way delay: 18.808 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 12.81 Mbit/s

95th percentile per-packet one-way delay: 0.998 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.72 Mbit/s

95th percentile per-packet one-way delay: 0.993 ms

Loss rate: 0.01%

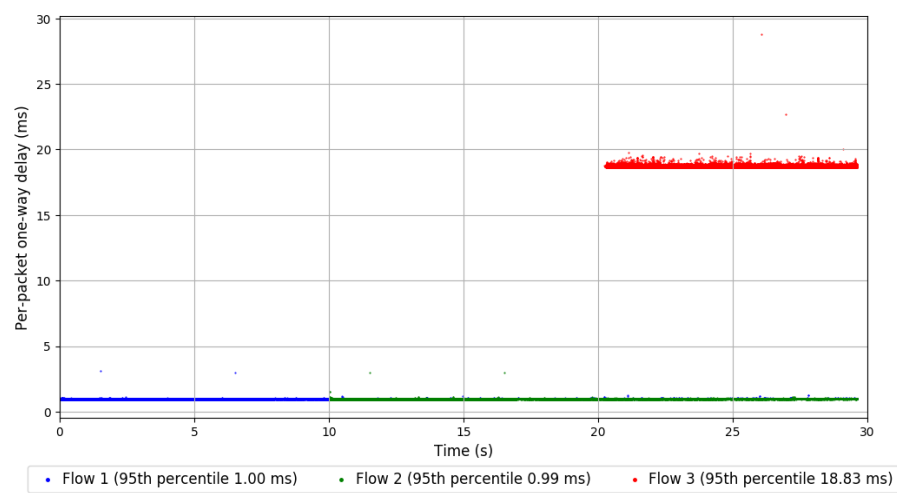
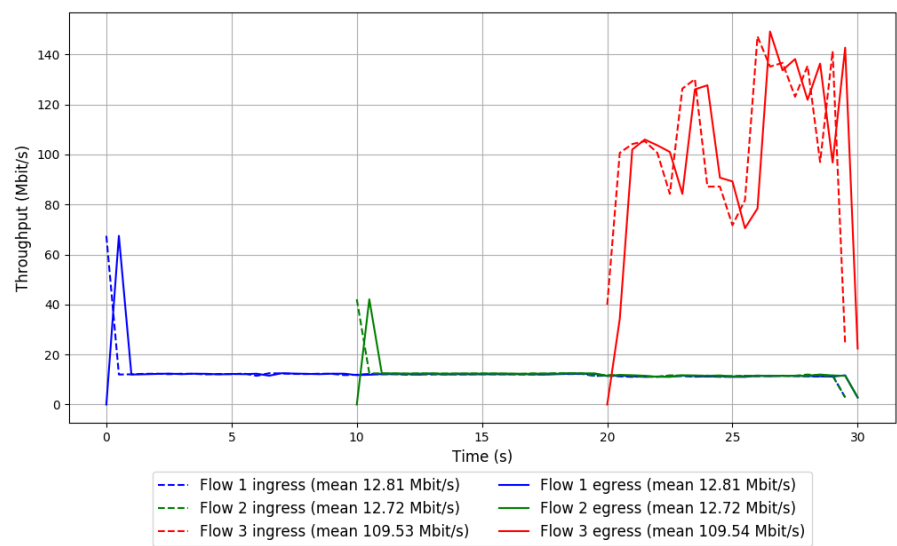
-- Flow 3:

Average throughput: 109.54 Mbit/s

95th percentile per-packet one-way delay: 18.829 ms

Loss rate: 0.20%

Run 5: Report of Muses_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 14:50:27

End at: 2019-12-11 14:50:57

Local clock offset: 3.11 ms

Remote clock offset: 1.462 ms

Below is generated by plot.py at 2019-12-11 18:38:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.62 Mbit/s

95th percentile per-packet one-way delay: 1.158 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 1.153 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 1.157 ms

Loss rate: 0.01%

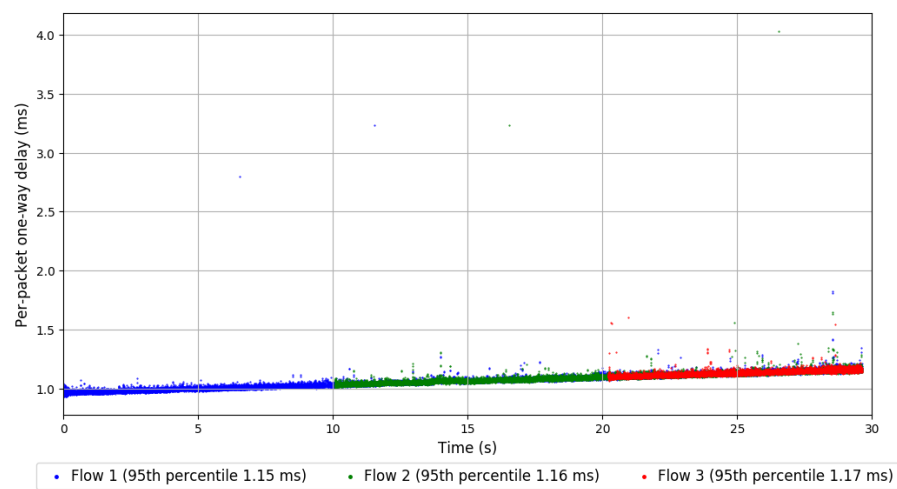
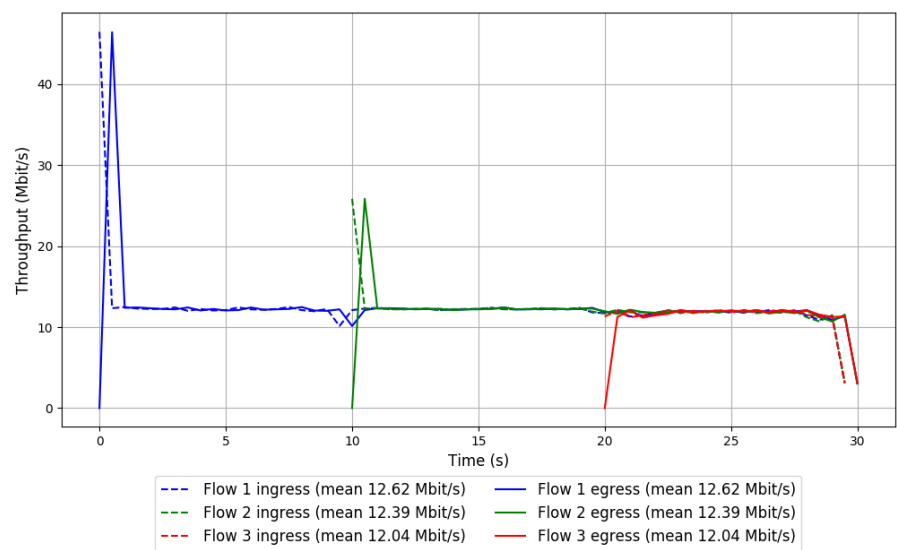
-- Flow 3:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 1.167 ms

Loss rate: 0.02%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 15:25:24

End at: 2019-12-11 15:25:54

Local clock offset: 3.36 ms

Remote clock offset: 8.039 ms

Below is generated by plot.py at 2019-12-11 18:38:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.26 Mbit/s

95th percentile per-packet one-way delay: 19.155 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 11.90 Mbit/s

95th percentile per-packet one-way delay: 1.027 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 117.65 Mbit/s

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

Loss rate: 0.05%

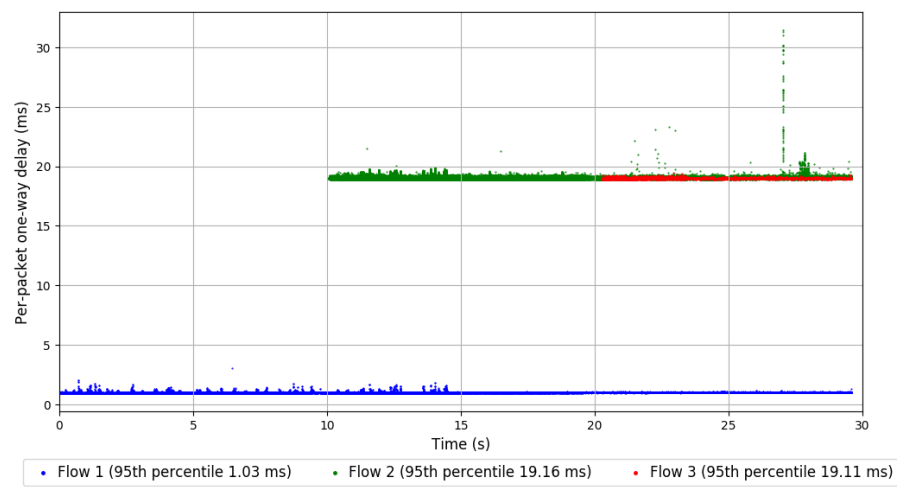
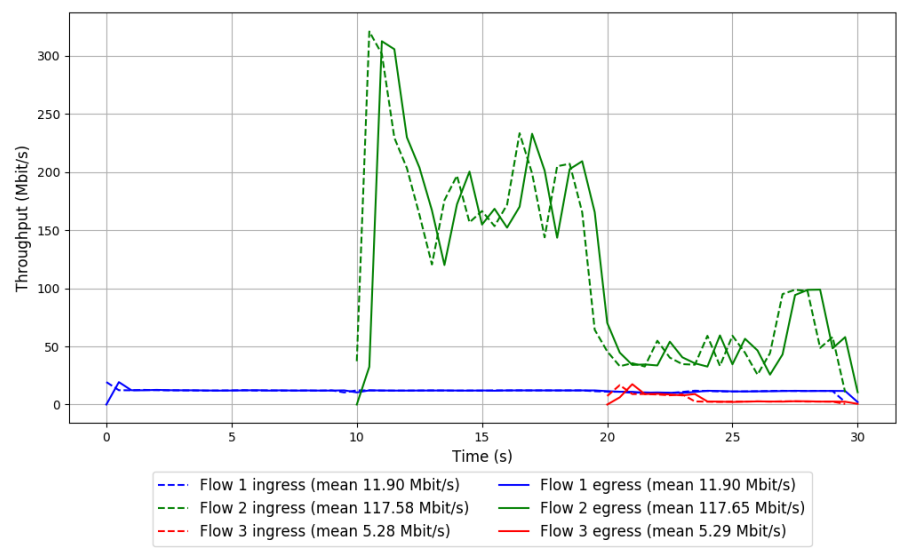
-- Flow 3:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 19.114 ms

Loss rate: 0.05%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 16:00:22

End at: 2019-12-11 16:00:52

Local clock offset: 3.218 ms

Remote clock offset: 2.876 ms

Below is generated by plot.py at 2019-12-11 18:38:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.13 Mbit/s

95th percentile per-packet one-way delay: 18.630 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 18.357 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 58.61 Mbit/s

95th percentile per-packet one-way delay: 18.691 ms

Loss rate: 0.12%

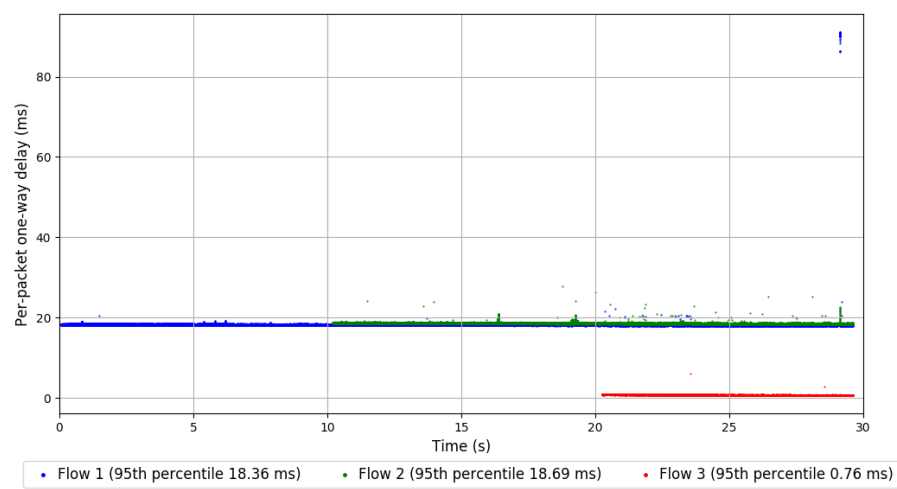
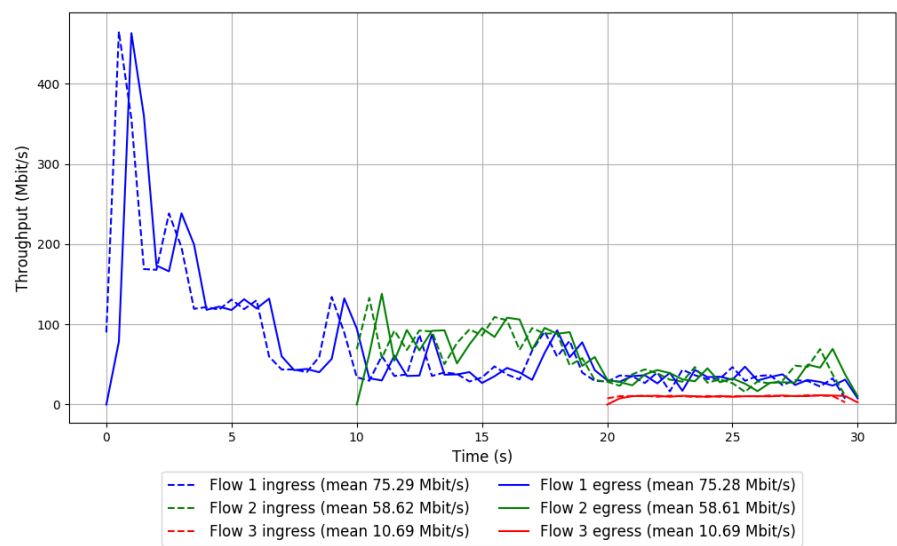
-- Flow 3:

Average throughput: 10.69 Mbit/s

95th percentile per-packet one-way delay: 0.761 ms

Loss rate: 0.02%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

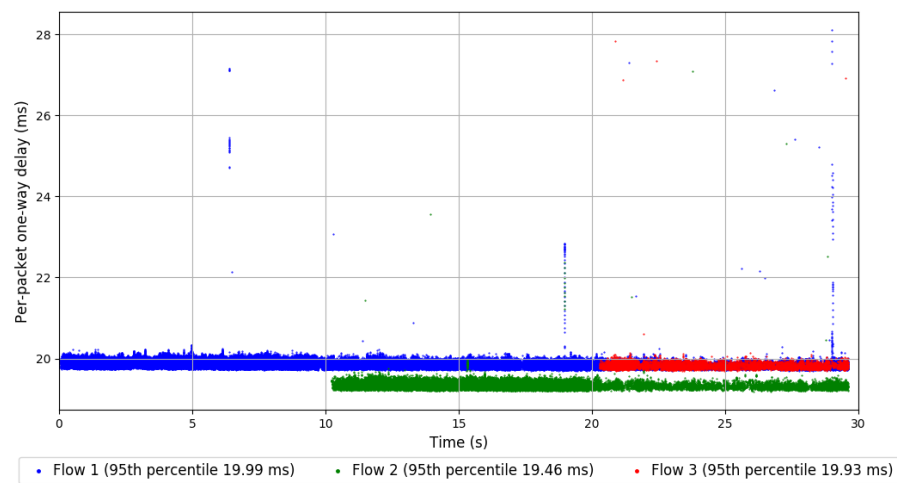
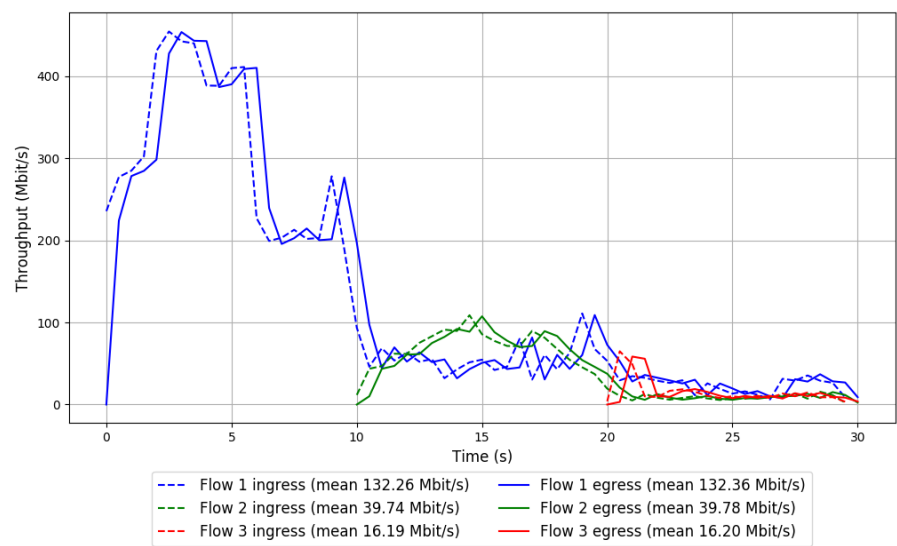


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 16:35:01
End at: 2019-12-11 16:35:31
Local clock offset: 2.907 ms
Remote clock offset: -3.568 ms

Below is generated by plot.py at 2019-12-11 18:38:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 163.52 Mbit/s
95th percentile per-packet one-way delay: 19.979 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 132.36 Mbit/s
95th percentile per-packet one-way delay: 19.988 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 19.462 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.20 Mbit/s
95th percentile per-packet one-way delay: 19.935 ms
Loss rate: 0.15%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-12-11 17:09:59

End at: 2019-12-11 17:10:29

Local clock offset: 2.928 ms

Remote clock offset: 0.832 ms

Below is generated by plot.py at 2019-12-11 18:39:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.79 Mbit/s

95th percentile per-packet one-way delay: 19.629 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 232.65 Mbit/s

95th percentile per-packet one-way delay: 19.631 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.52 Mbit/s

95th percentile per-packet one-way delay: 1.143 ms

Loss rate: 0.01%

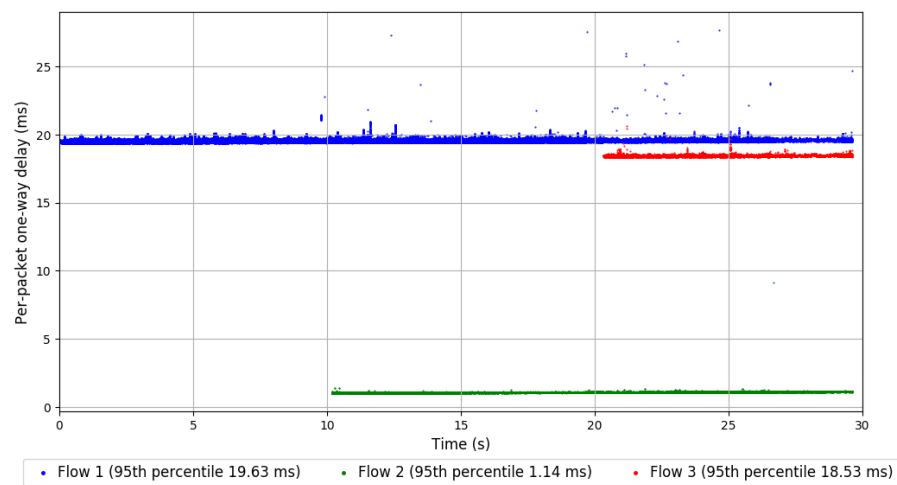
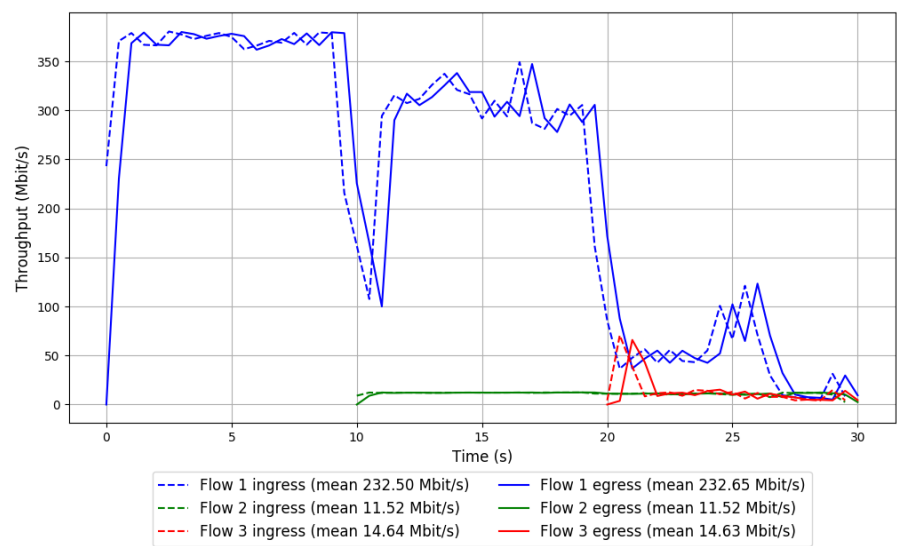
-- Flow 3:

Average throughput: 14.63 Mbit/s

95th percentile per-packet one-way delay: 18.531 ms

Loss rate: 0.27%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

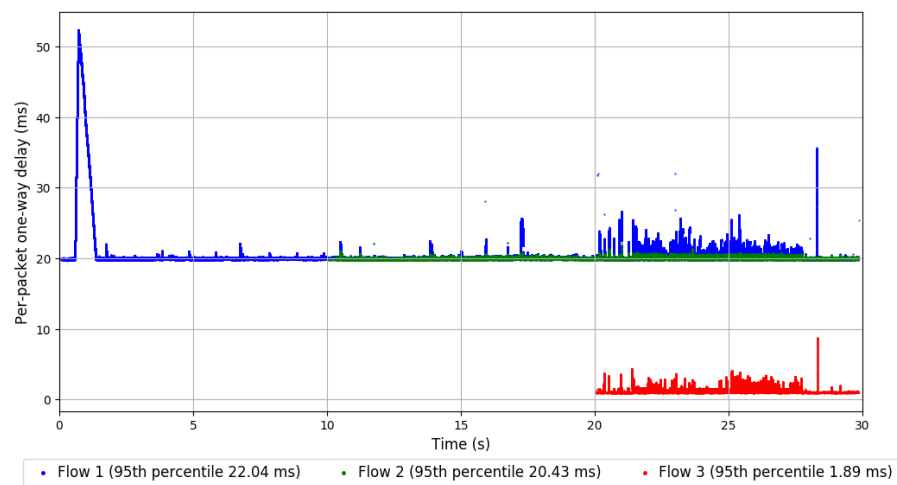
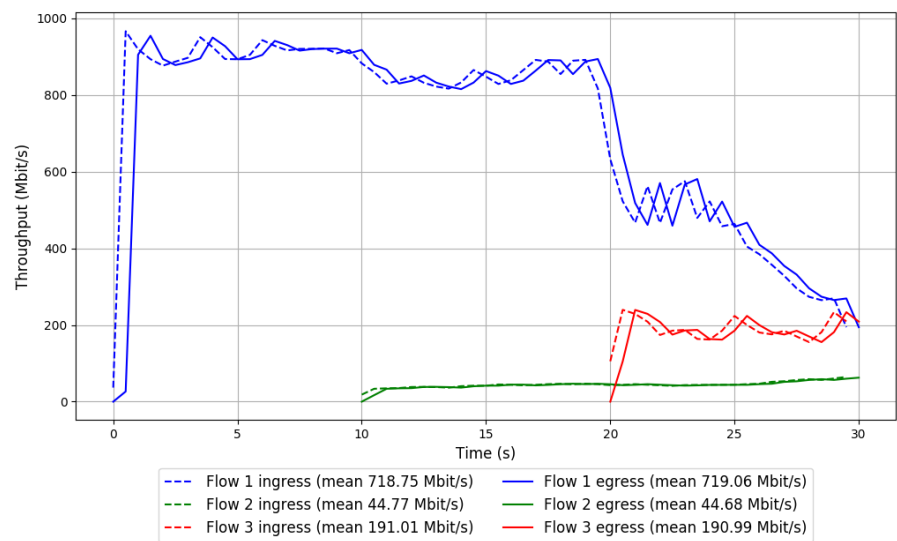


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-12-11 15:10:28
End at: 2019-12-11 15:10:58
Local clock offset: 3.173 ms
Remote clock offset: 6.029 ms

# Below is generated by plot.py at 2019-12-11 18:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 811.46 Mbit/s
95th percentile per-packet one-way delay: 21.709 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 719.06 Mbit/s
95th percentile per-packet one-way delay: 22.039 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 20.430 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 190.99 Mbit/s
95th percentile per-packet one-way delay: 1.892 ms
Loss rate: 0.03%
```

Run 1: Report of PCC-Allegro — Data Link

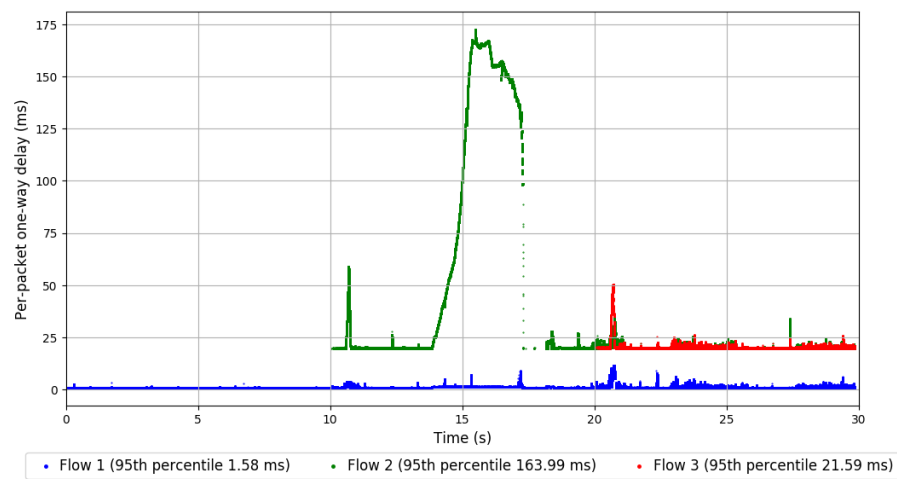
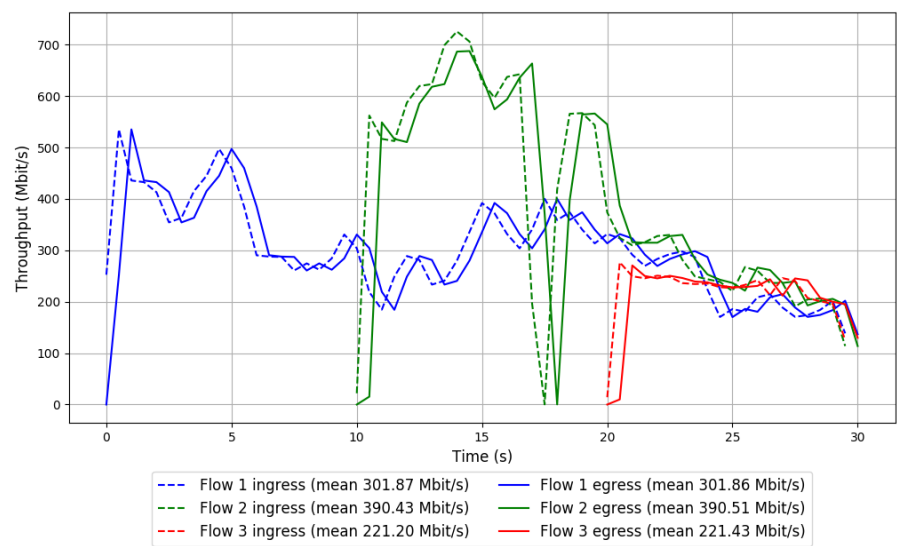


Run 2: Statistics of PCC-Allegro

Start at: 2019-12-11 15:45:30
End at: 2019-12-11 15:46:00
Local clock offset: 3.282 ms
Remote clock offset: 10.452 ms

Below is generated by plot.py at 2019-12-11 18:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 633.81 Mbit/s
95th percentile per-packet one-way delay: 148.475 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 301.86 Mbit/s
95th percentile per-packet one-way delay: 1.578 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 390.51 Mbit/s
95th percentile per-packet one-way delay: 163.988 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 221.43 Mbit/s
95th percentile per-packet one-way delay: 21.595 ms
Loss rate: 0.13%

Run 2: Report of PCC-Allegro — Data Link

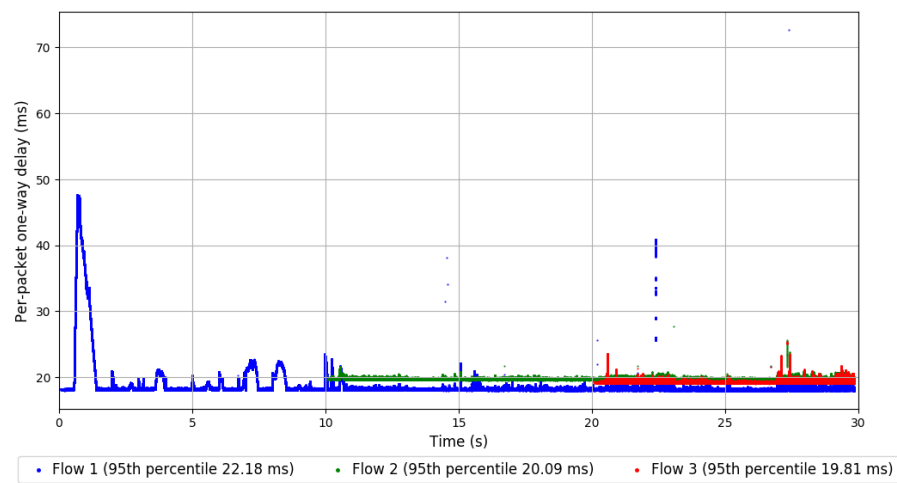
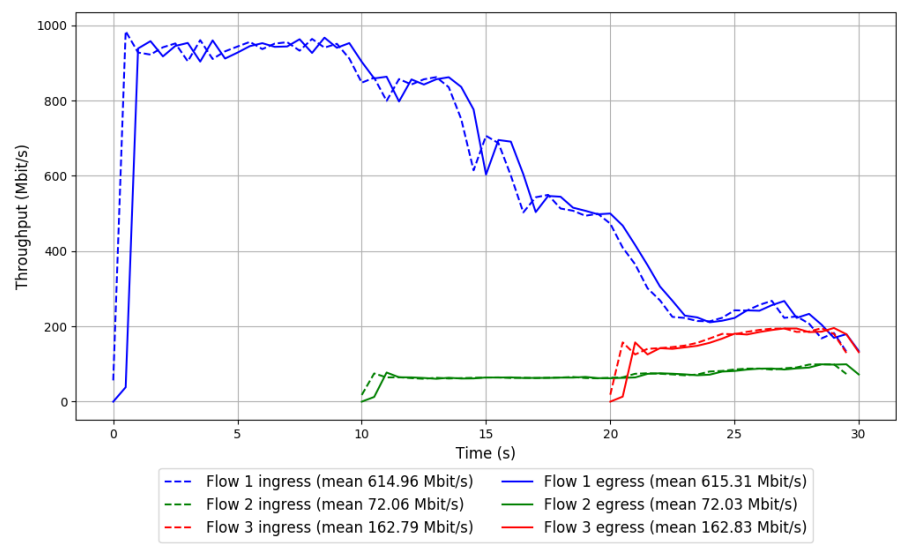


Run 3: Statistics of PCC-Allegro

Start at: 2019-12-11 16:20:11
End at: 2019-12-11 16:20:41
Local clock offset: 2.976 ms
Remote clock offset: -2.027 ms

Below is generated by plot.py at 2019-12-11 18:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 716.63 Mbit/s
95th percentile per-packet one-way delay: 21.976 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 615.31 Mbit/s
95th percentile per-packet one-way delay: 22.180 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 72.03 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 162.83 Mbit/s
95th percentile per-packet one-way delay: 19.809 ms
Loss rate: 0.20%

Run 3: Report of PCC-Allegro — Data Link

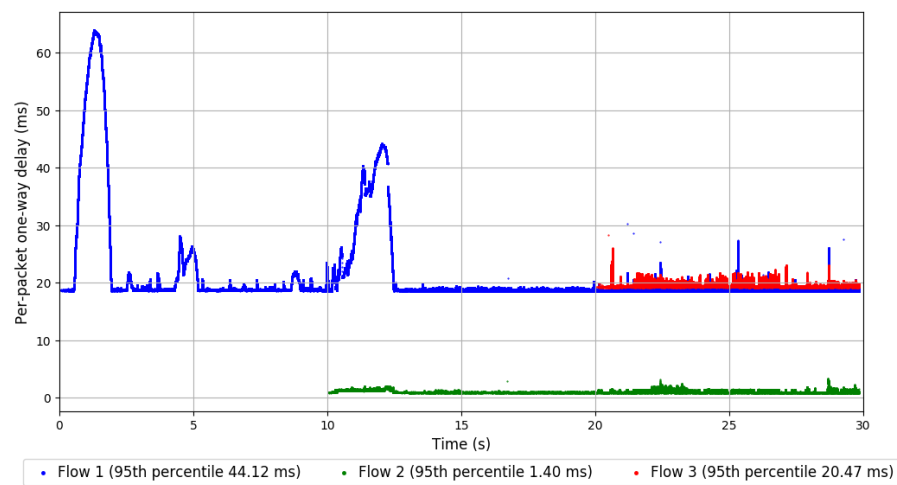
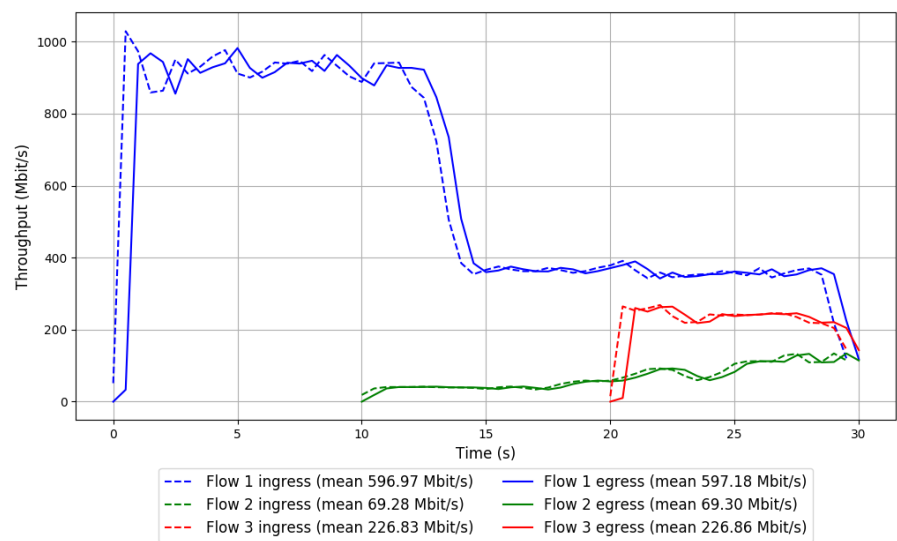


Run 4: Statistics of PCC-Allegro

Start at: 2019-12-11 16:55:12
End at: 2019-12-11 16:55:42
Local clock offset: 2.87 ms
Remote clock offset: -5.355 ms

Below is generated by plot.py at 2019-12-11 18:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 717.77 Mbit/s
95th percentile per-packet one-way delay: 43.414 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 597.18 Mbit/s
95th percentile per-packet one-way delay: 44.115 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 69.30 Mbit/s
95th percentile per-packet one-way delay: 1.404 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 226.86 Mbit/s
95th percentile per-packet one-way delay: 20.467 ms
Loss rate: 0.18%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-12-11 17:30:19

End at: 2019-12-11 17:30:49

Local clock offset: 3.549 ms

Remote clock offset: 4.025 ms

Below is generated by plot.py at 2019-12-11 18:45:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 700.35 Mbit/s

95th percentile per-packet one-way delay: 108.928 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 664.68 Mbit/s

95th percentile per-packet one-way delay: 109.268 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 41.28 Mbit/s

95th percentile per-packet one-way delay: 1.275 ms

Loss rate: 0.01%

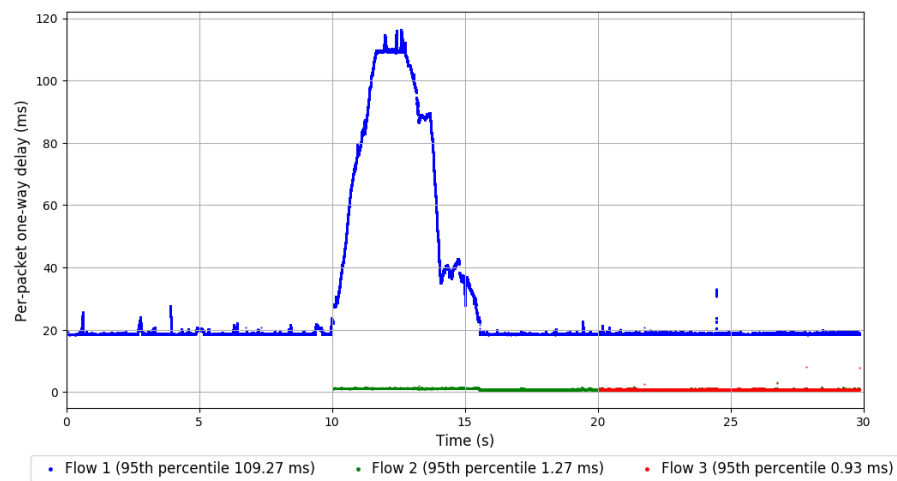
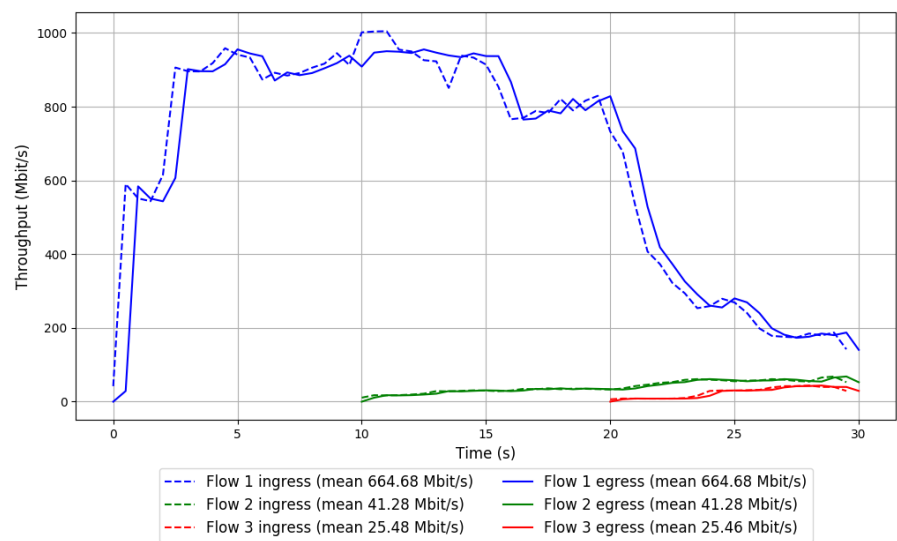
-- Flow 3:

Average throughput: 25.46 Mbit/s

95th percentile per-packet one-way delay: 0.934 ms

Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link

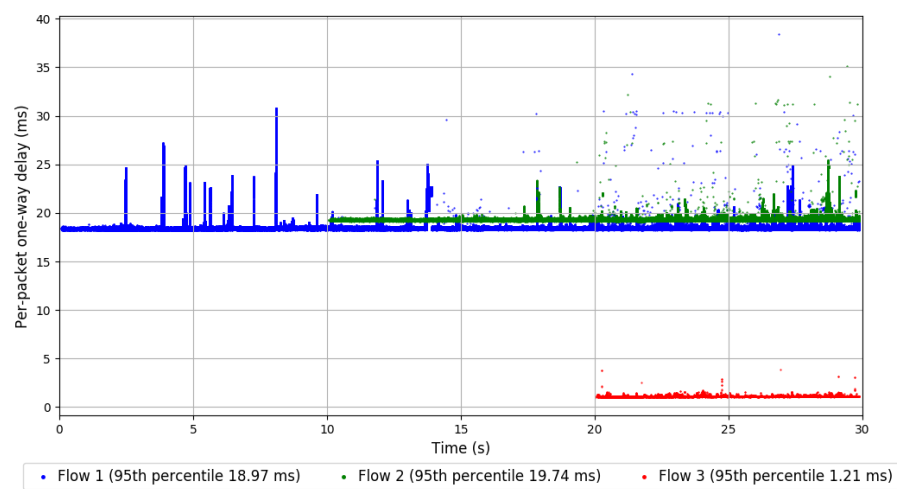
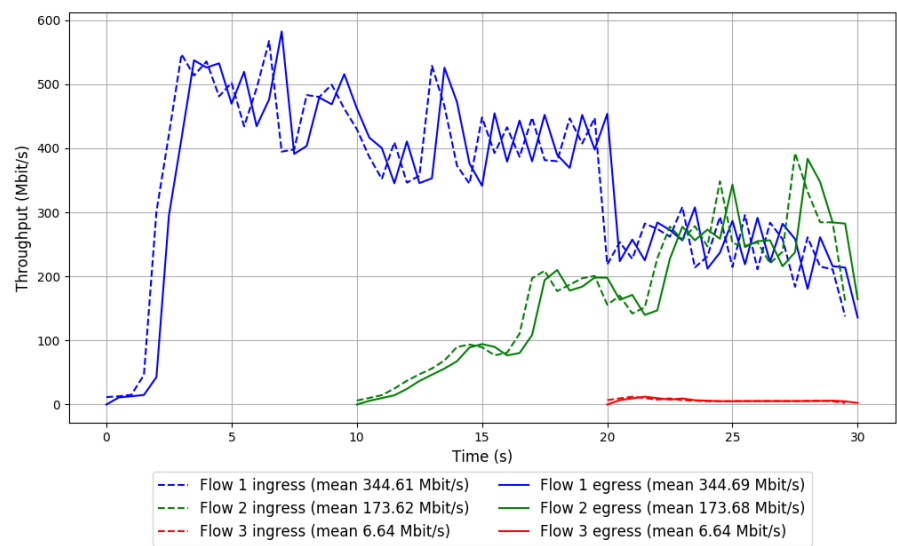


```
Run 1: Statistics of PCC-Expr

Start at: 2019-12-11 15:22:26
End at: 2019-12-11 15:22:56
Local clock offset: 3.314 ms
Remote clock offset: 7.61 ms

# Below is generated by plot.py at 2019-12-11 18:47:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 462.26 Mbit/s
95th percentile per-packet one-way delay: 19.524 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 344.69 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 173.68 Mbit/s
95th percentile per-packet one-way delay: 19.741 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-12-11 15:57:27

End at: 2019-12-11 15:57:57

Local clock offset: 3.194 ms

Remote clock offset: 4.757 ms

Below is generated by plot.py at 2019-12-11 18:47:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.27 Mbit/s

95th percentile per-packet one-way delay: 18.919 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 227.28 Mbit/s

95th percentile per-packet one-way delay: 18.953 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 100.83 Mbit/s

95th percentile per-packet one-way delay: 0.740 ms

Loss rate: 0.20%

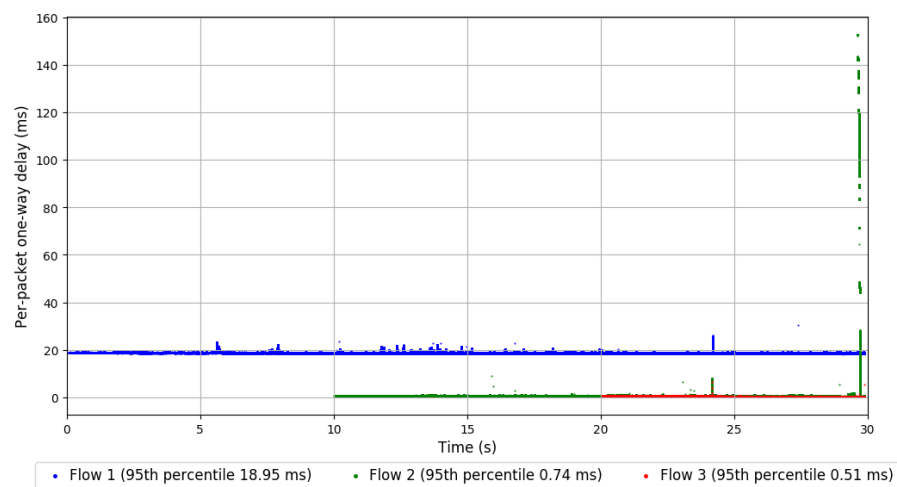
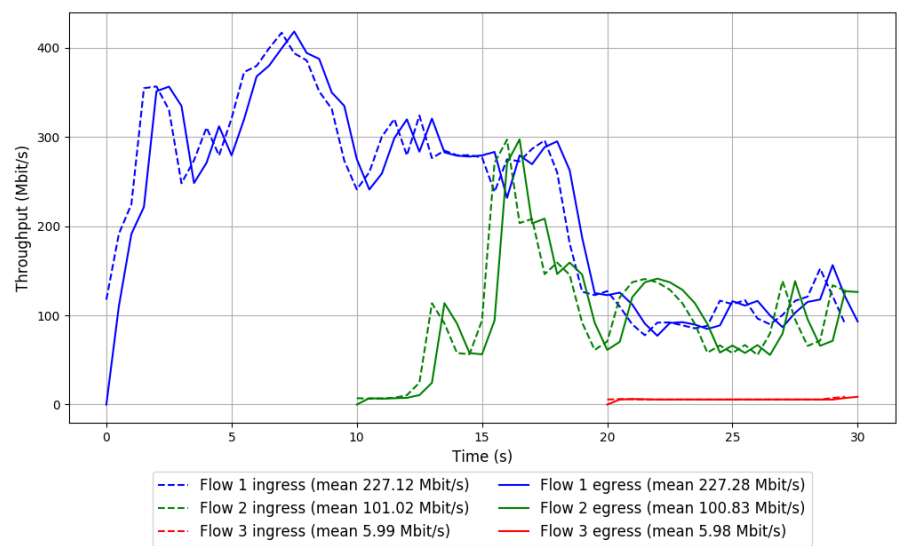
-- Flow 3:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 0.513 ms

Loss rate: 0.02%

Run 2: Report of PCC-Expr — Data Link

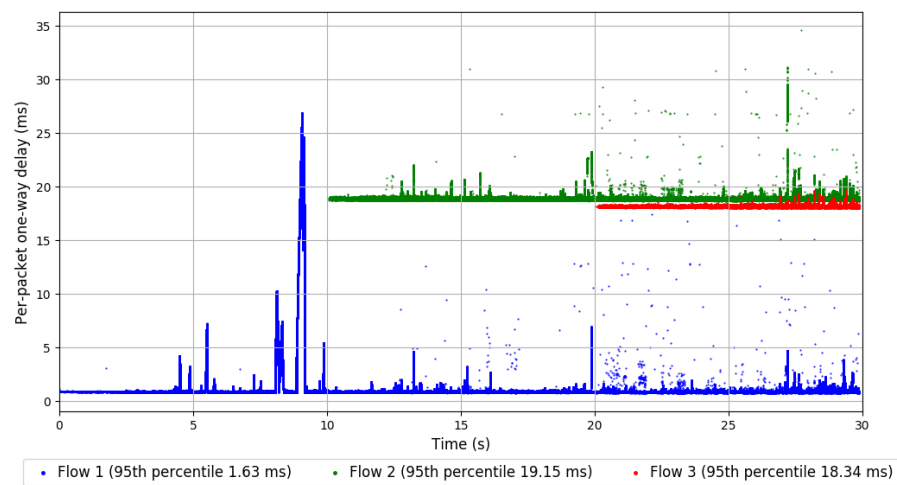
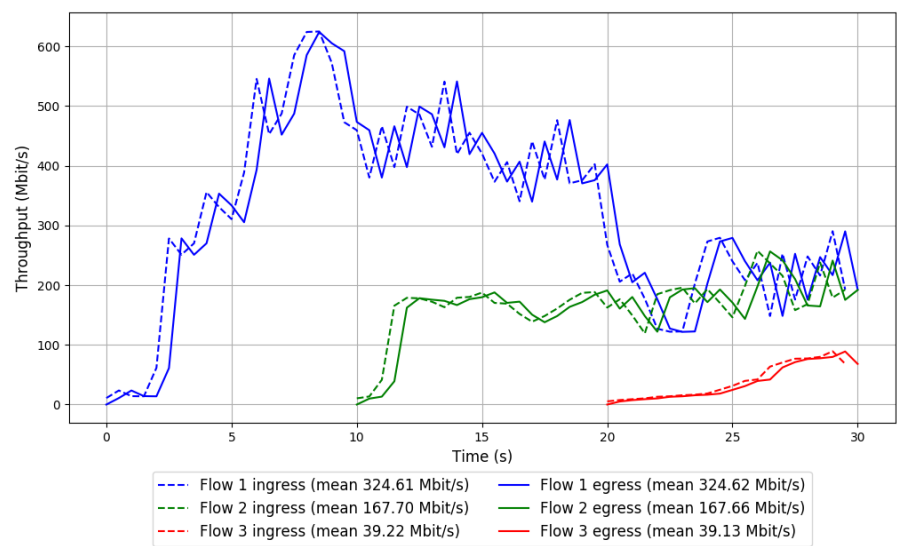


Run 3: Statistics of PCC-Expr

Start at: 2019-12-11 16:32:04
End at: 2019-12-11 16:32:34
Local clock offset: 2.918 ms
Remote clock offset: -3.234 ms

Below is generated by plot.py at 2019-12-11 18:48:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 448.84 Mbit/s
95th percentile per-packet one-way delay: 18.921 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 324.62 Mbit/s
95th percentile per-packet one-way delay: 1.632 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 167.66 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 39.13 Mbit/s
95th percentile per-packet one-way delay: 18.345 ms
Loss rate: 0.42%

Run 3: Report of PCC-Expr — Data Link

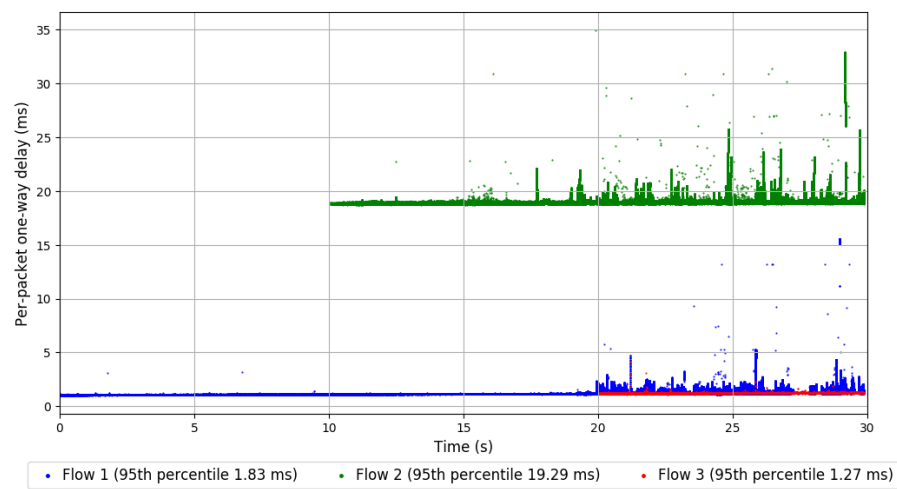
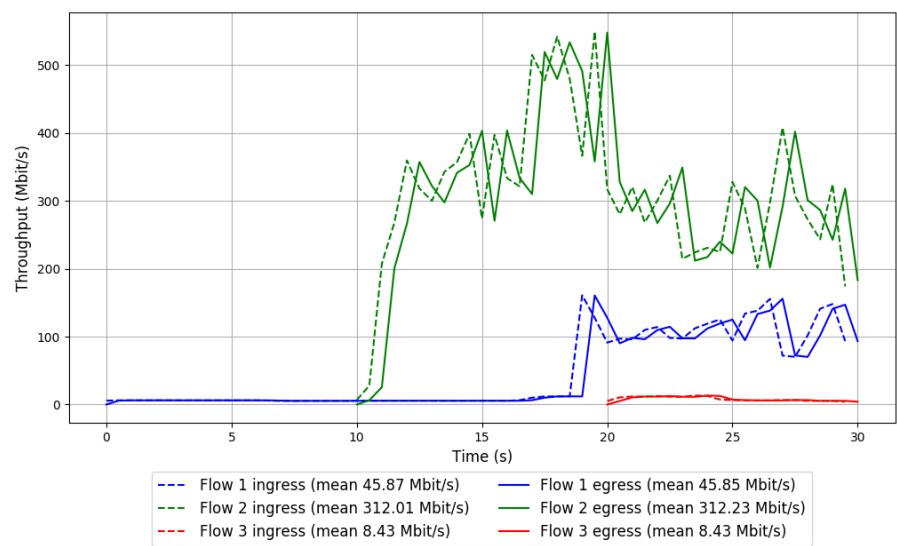


Run 4: Statistics of PCC-Expr

Start at: 2019-12-11 17:07:11
End at: 2019-12-11 17:07:41
Local clock offset: 2.825 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2019-12-11 18:49:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 256.14 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 1.835 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 312.23 Mbit/s
95th percentile per-packet one-way delay: 19.288 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 1.268 ms
Loss rate: 0.02%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-12-11 17:42:11

End at: 2019-12-11 17:42:41

Local clock offset: 3.686 ms

Remote clock offset: 1.578 ms

Below is generated by plot.py at 2019-12-11 18:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.61 Mbit/s

95th percentile per-packet one-way delay: 19.302 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 369.26 Mbit/s

95th percentile per-packet one-way delay: 19.193 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 5.87 Mbit/s

95th percentile per-packet one-way delay: 0.922 ms

Loss rate: 0.01%

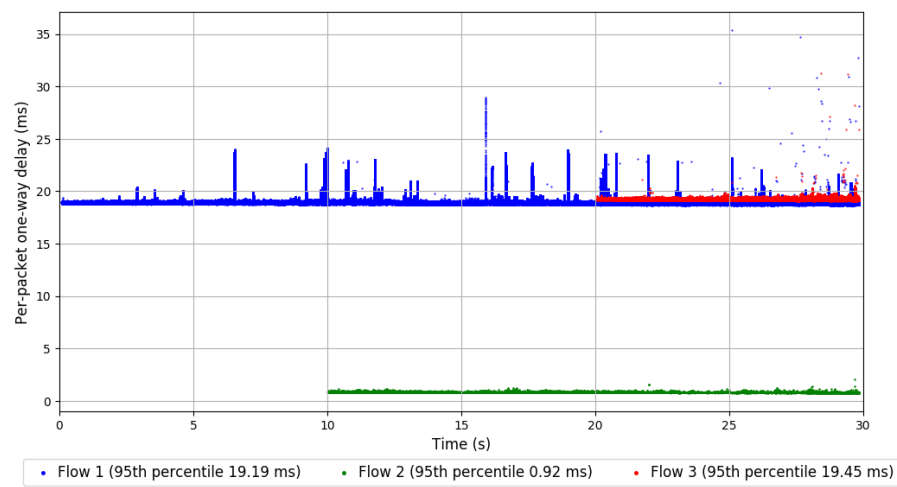
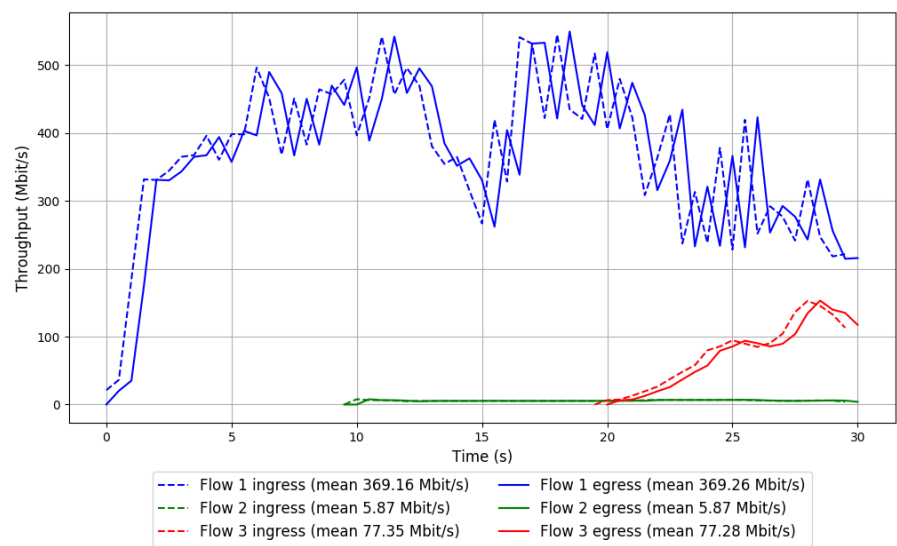
-- Flow 3:

Average throughput: 77.28 Mbit/s

95th percentile per-packet one-way delay: 19.448 ms

Loss rate: 0.29%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-12-11 15:00:49

End at: 2019-12-11 15:01:19

Local clock offset: 3.123 ms

Remote clock offset: 4.371 ms

Below is generated by plot.py at 2019-12-11 18:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 135.99 Mbit/s

95th percentile per-packet one-way delay: 19.391 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 71.02 Mbit/s

95th percentile per-packet one-way delay: 19.403 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 69.33 Mbit/s

95th percentile per-packet one-way delay: 18.970 ms

Loss rate: 0.08%

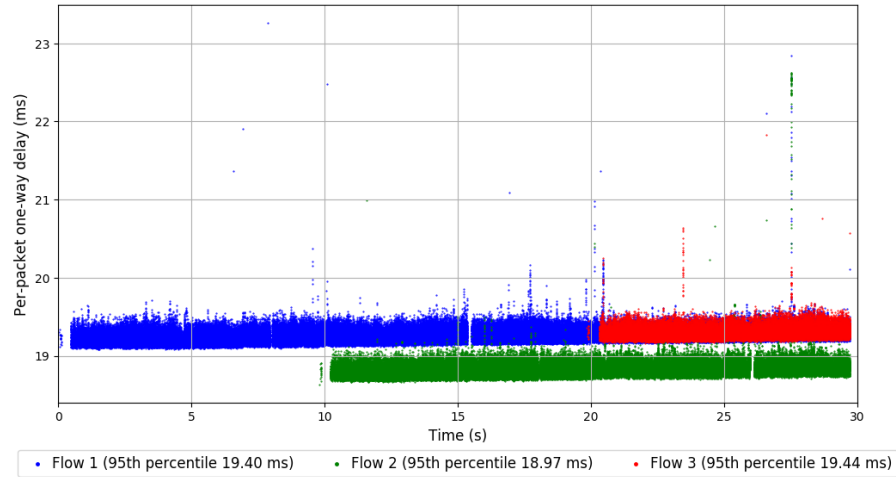
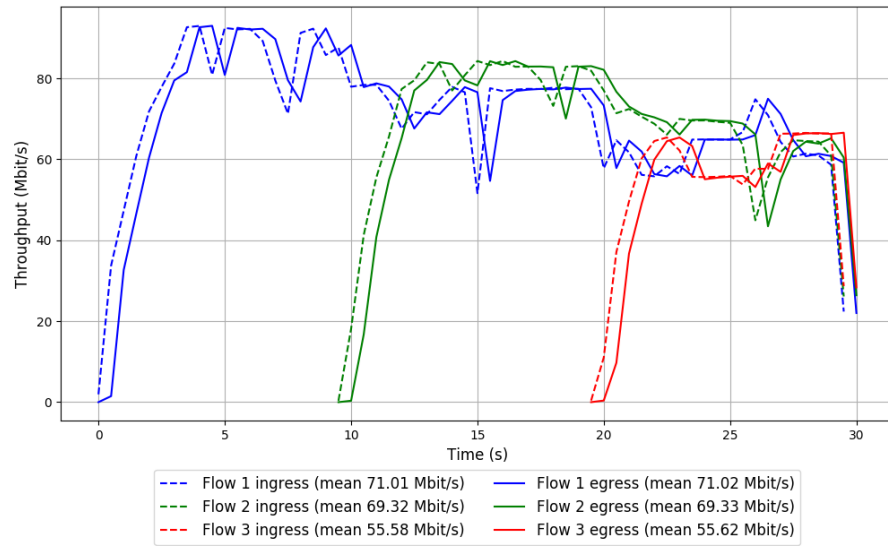
-- Flow 3:

Average throughput: 55.62 Mbit/s

95th percentile per-packet one-way delay: 19.438 ms

Loss rate: 0.26%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-12-11 15:35:46

End at: 2019-12-11 15:36:16

Local clock offset: 3.395 ms

Remote clock offset: 9.194 ms

Below is generated by plot.py at 2019-12-11 18:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.89 Mbit/s

95th percentile per-packet one-way delay: 19.562 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 72.31 Mbit/s

95th percentile per-packet one-way delay: 19.595 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 67.03 Mbit/s

95th percentile per-packet one-way delay: 19.188 ms

Loss rate: 0.09%

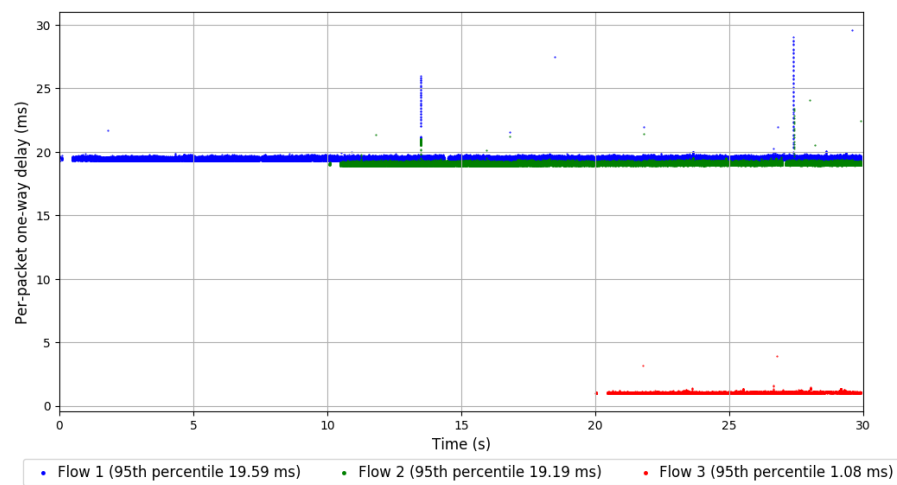
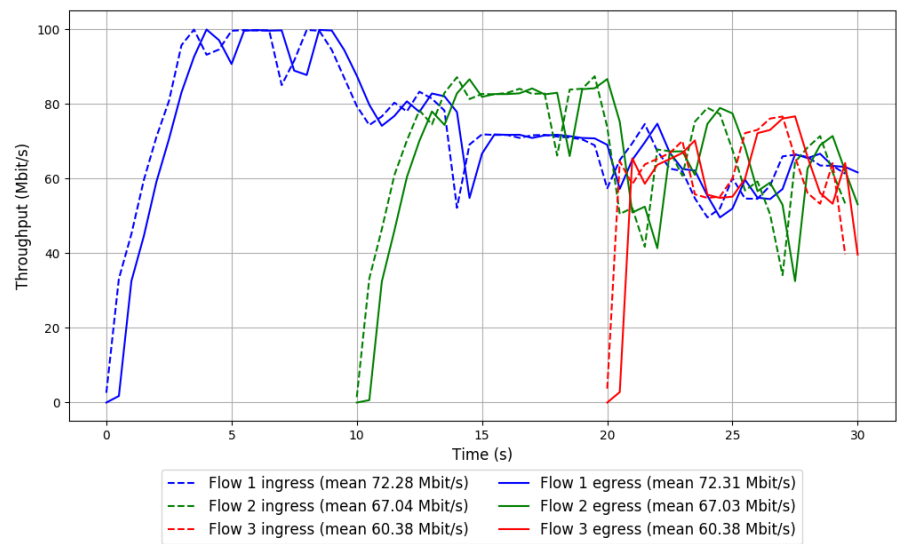
-- Flow 3:

Average throughput: 60.38 Mbit/s

95th percentile per-packet one-way delay: 1.076 ms

Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link

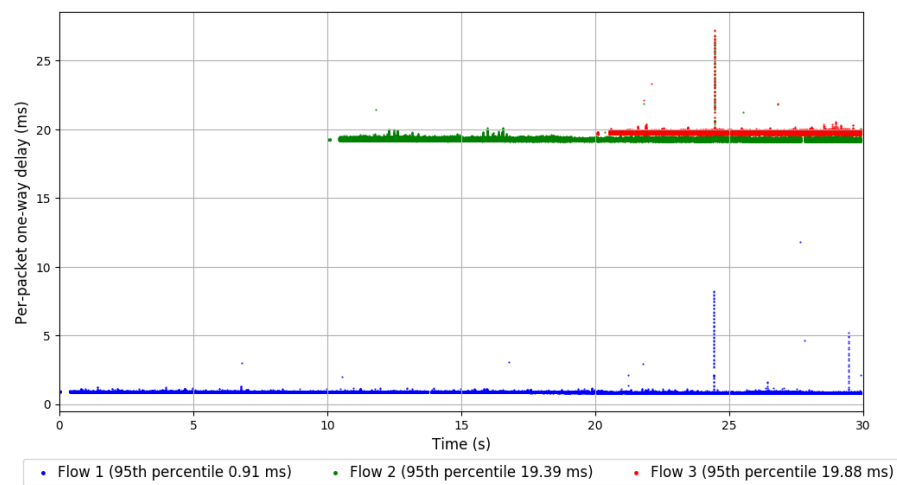
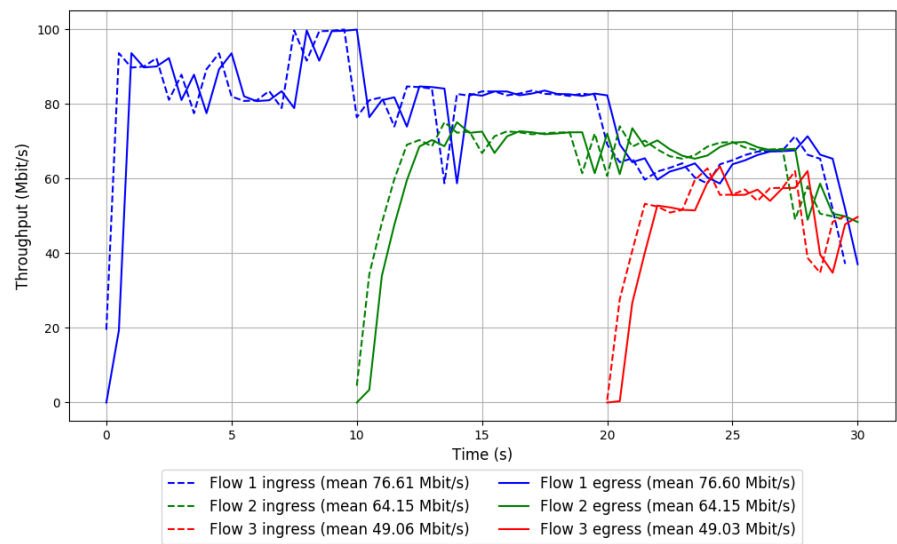


Run 3: Statistics of QUIC Cubic

Start at: 2019-12-11 16:10:27
End at: 2019-12-11 16:10:57
Local clock offset: 3.141 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2019-12-11 18:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.45 Mbit/s
95th percentile per-packet one-way delay: 19.763 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 0.913 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.15 Mbit/s
95th percentile per-packet one-way delay: 19.386 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 49.03 Mbit/s
95th percentile per-packet one-way delay: 19.879 ms
Loss rate: 0.23%

Run 3: Report of QUIC Cubic — Data Link

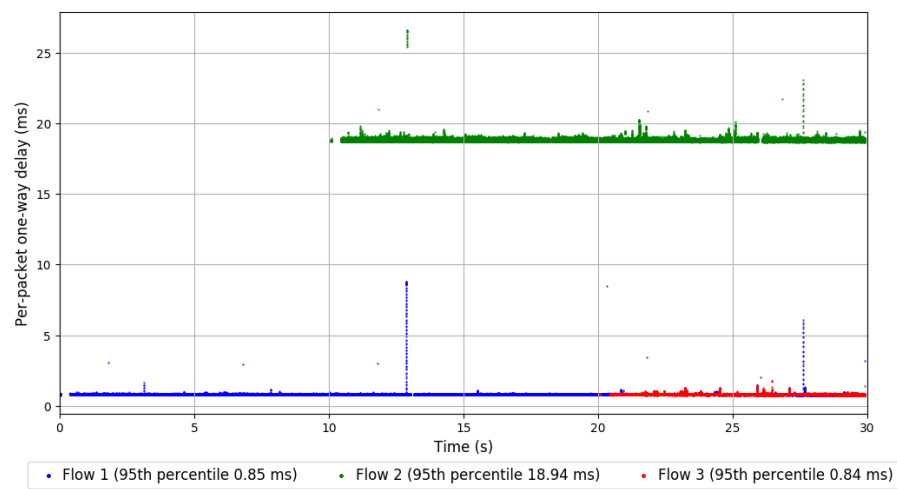
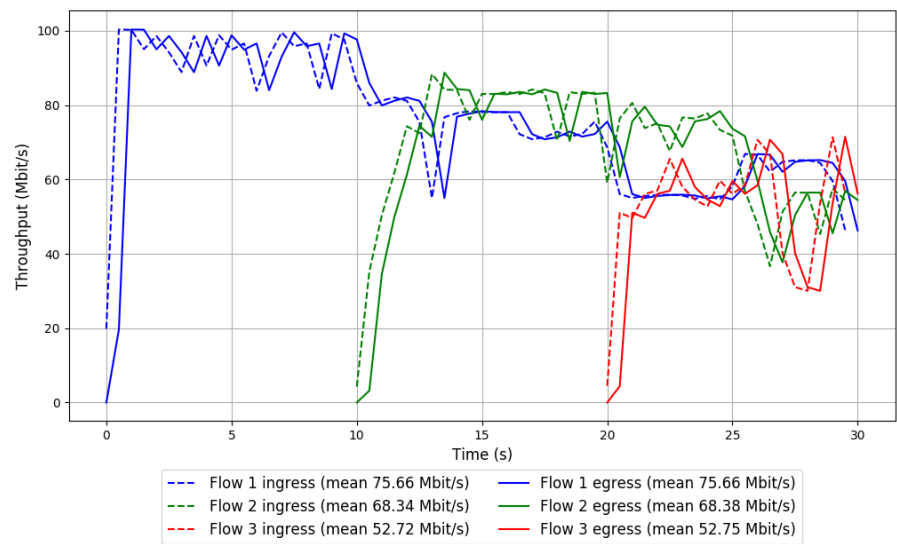


Run 4: Statistics of QUIC Cubic

Start at: 2019-12-11 16:45:29
End at: 2019-12-11 16:45:59
Local clock offset: 2.861 ms
Remote clock offset: -4.408 ms

Below is generated by plot.py at 2019-12-11 18:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.55 Mbit/s
95th percentile per-packet one-way delay: 18.880 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 75.66 Mbit/s
95th percentile per-packet one-way delay: 0.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 68.38 Mbit/s
95th percentile per-packet one-way delay: 18.941 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: 0.839 ms
Loss rate: 0.02%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-12-11 17:20:33

End at: 2019-12-11 17:21:03

Local clock offset: 3.389 ms

Remote clock offset: 3.036 ms

Below is generated by plot.py at 2019-12-11 18:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.47 Mbit/s

95th percentile per-packet one-way delay: 19.087 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 70.26 Mbit/s

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

Loss rate: 0.06%

-- Flow 2:

Average throughput: 65.16 Mbit/s

95th percentile per-packet one-way delay: 19.106 ms

Loss rate: 0.10%

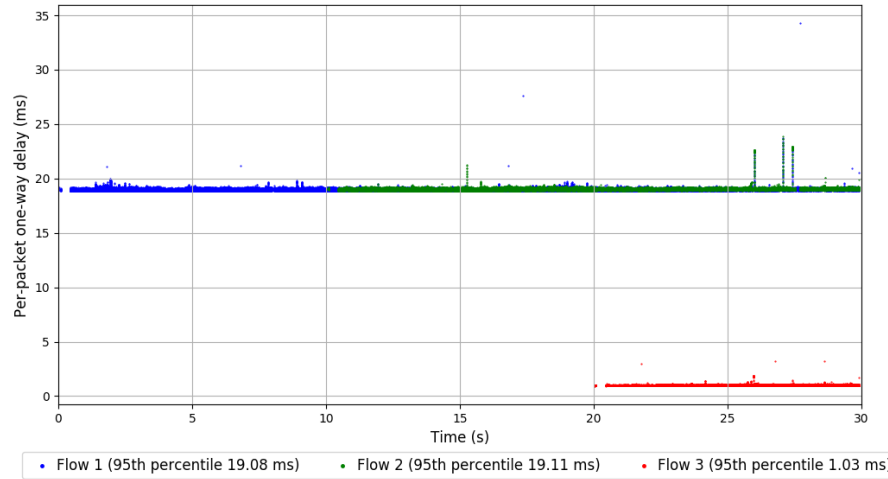
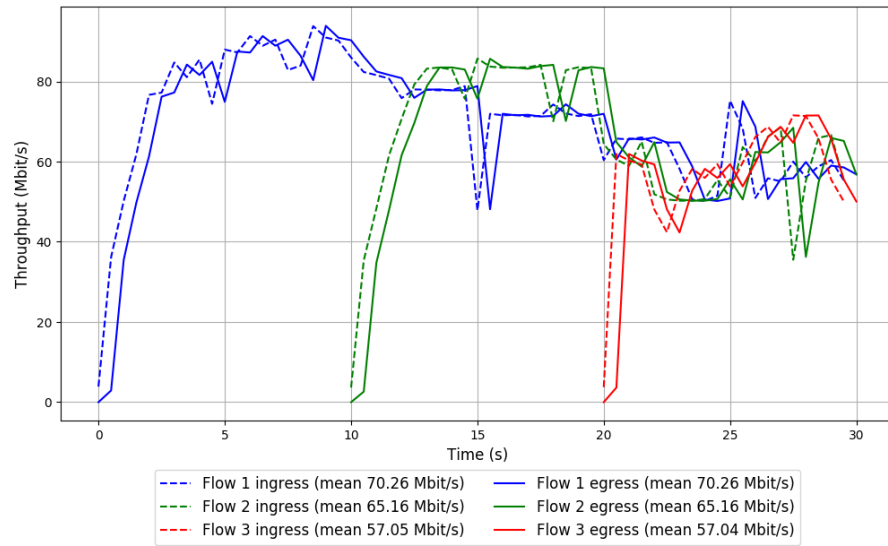
-- Flow 3:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 1.034 ms

Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link

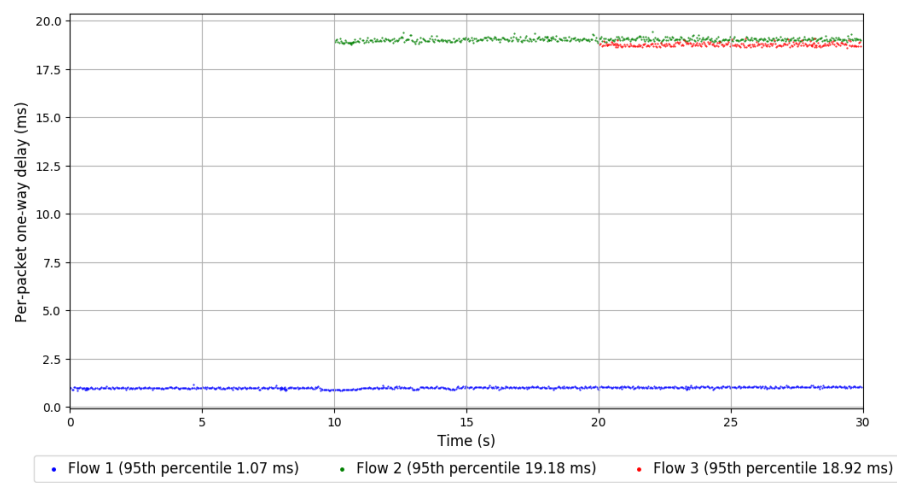
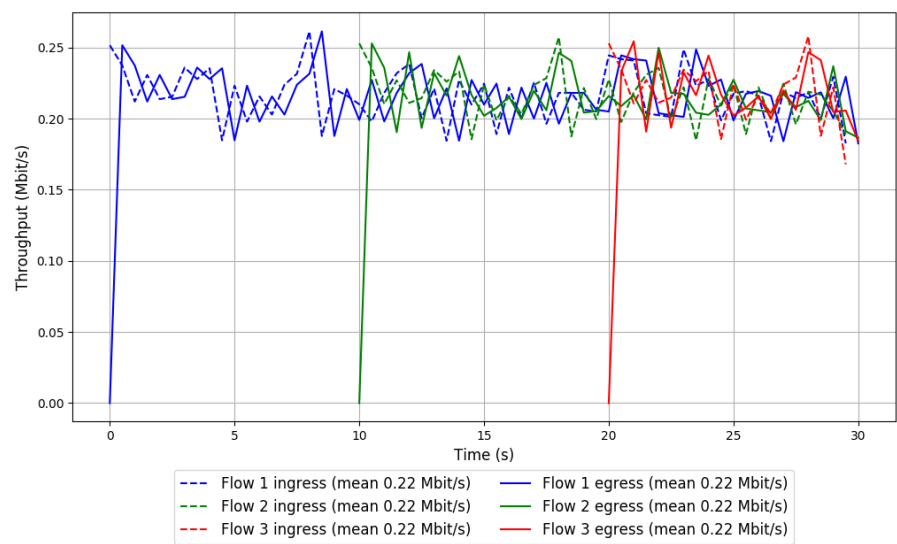


```
Run 1: Statistics of SReAM

Start at: 2019-12-11 15:07:46
End at: 2019-12-11 15:08:16
Local clock offset: 3.144 ms
Remote clock offset: 5.734 ms

# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.119 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.918 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

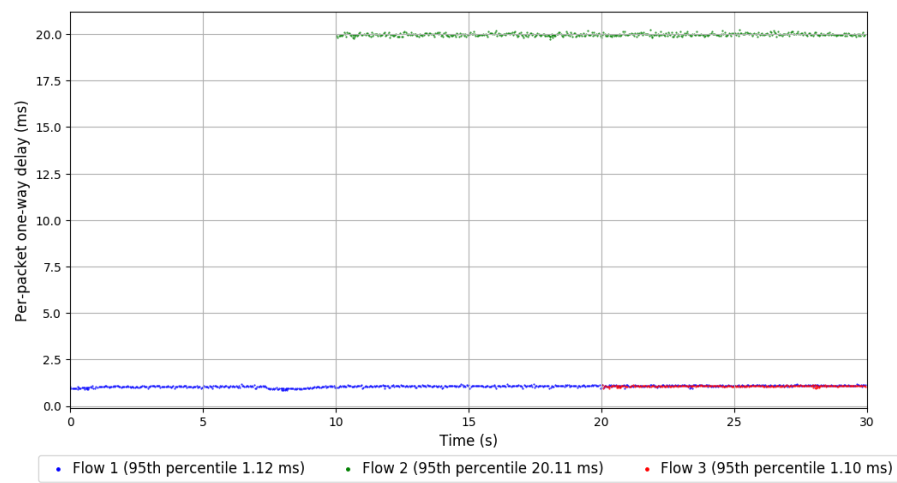
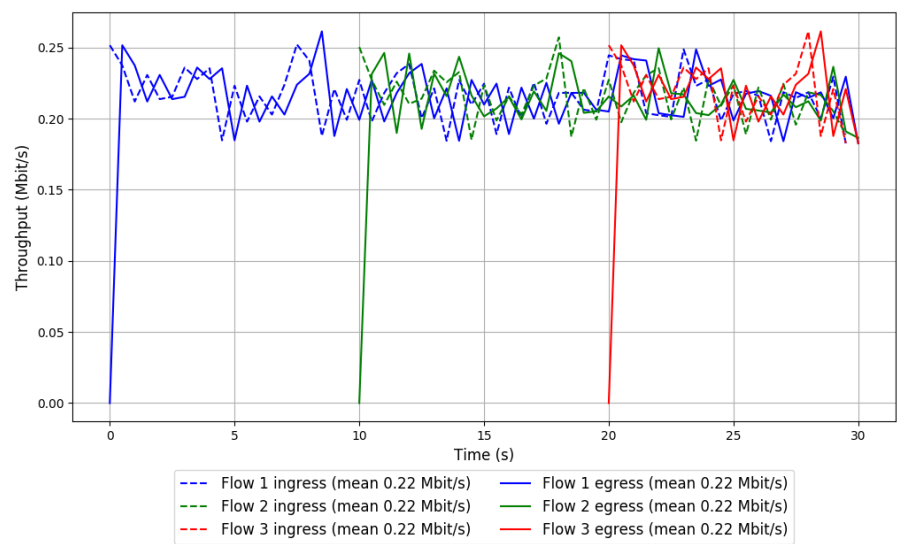


Run 2: Statistics of SReAM

Start at: 2019-12-11 15:42:48
End at: 2019-12-11 15:43:18
Local clock offset: 3.326 ms
Remote clock offset: 10.136 ms

Below is generated by plot.py at 2019-12-11 18:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 20.069 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.124 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.113 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

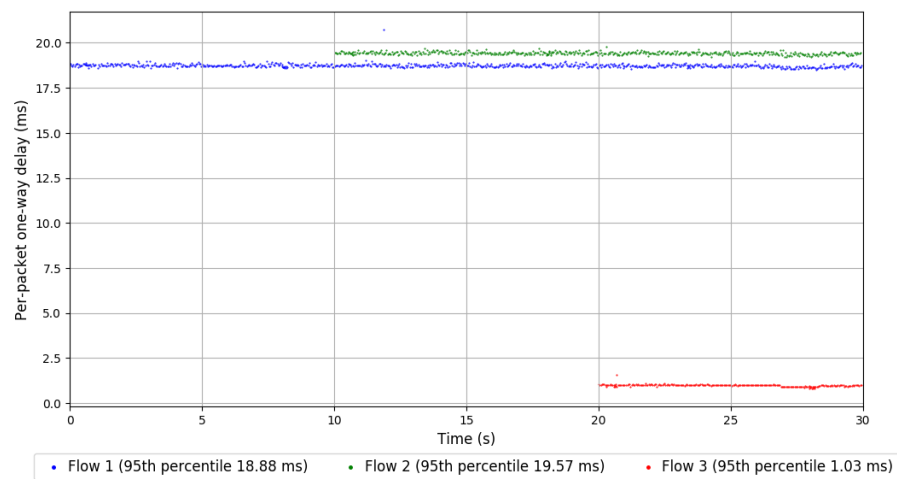
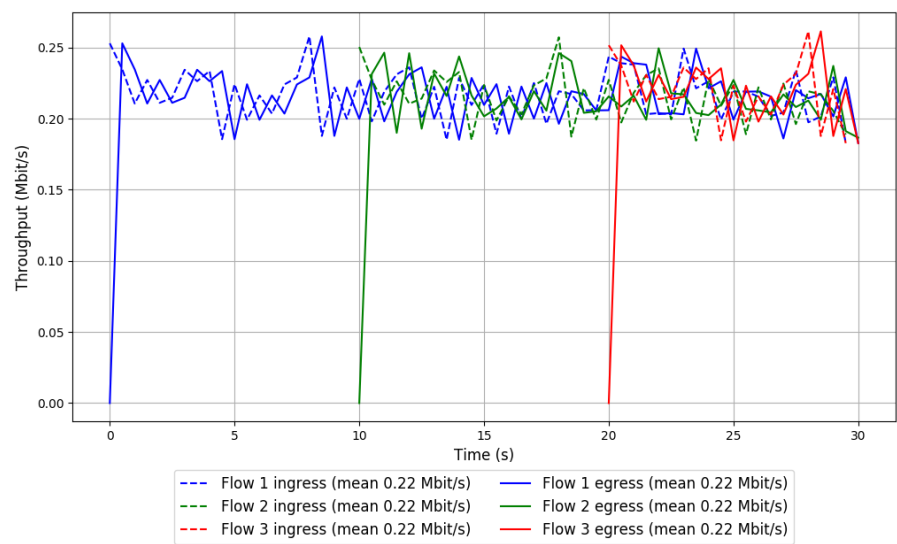


Run 3: Statistics of SReAM

Start at: 2019-12-11 16:17:29
End at: 2019-12-11 16:17:59
Local clock offset: 3.018 ms
Remote clock offset: -1.734 ms

Below is generated by plot.py at 2019-12-11 18:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.507 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.879 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.574 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.033 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

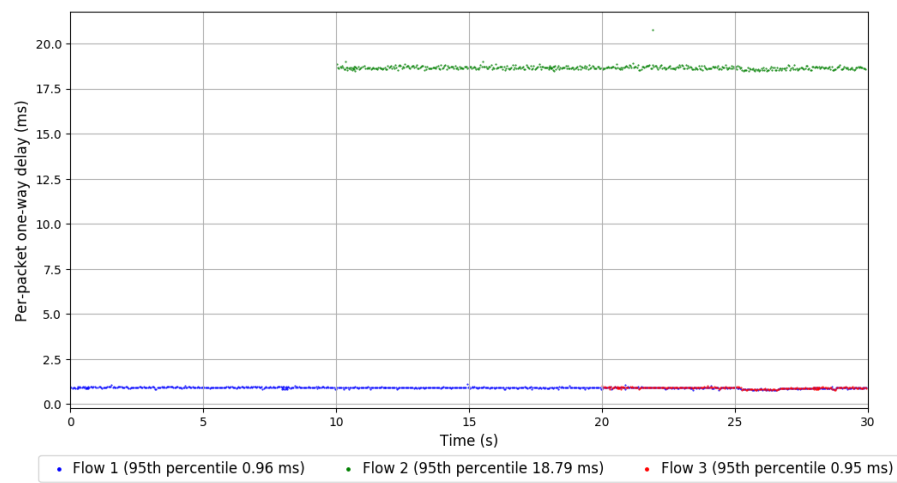
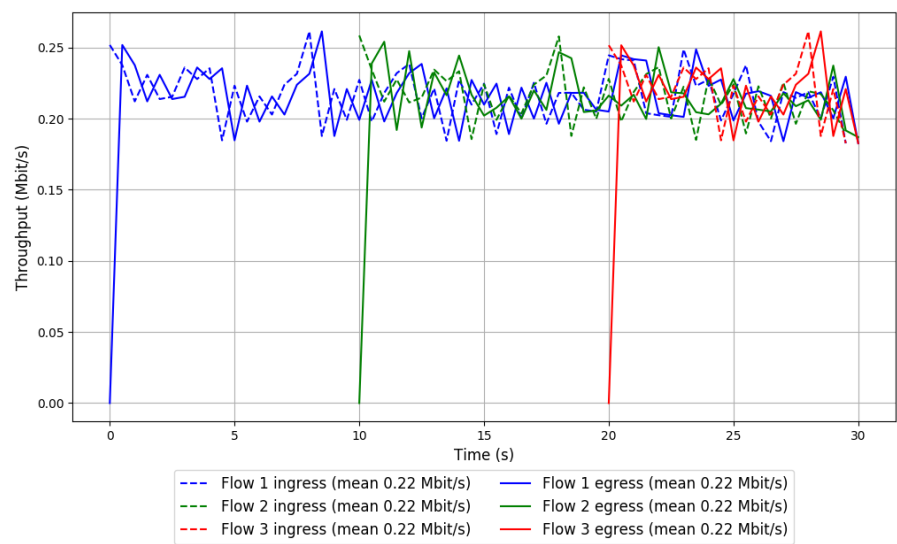


Run 4: Statistics of SCReAM

Start at: 2019-12-11 16:52:30
End at: 2019-12-11 16:53:00
Local clock offset: 2.859 ms
Remote clock offset: -5.033 ms

Below is generated by plot.py at 2019-12-11 18:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.741 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.794 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-12-11 17:27:37

End at: 2019-12-11 17:28:07

Local clock offset: 3.539 ms

Remote clock offset: 3.675 ms

Below is generated by plot.py at 2019-12-11 18:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 19.627 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 18.965 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.469 ms

Loss rate: 0.19%

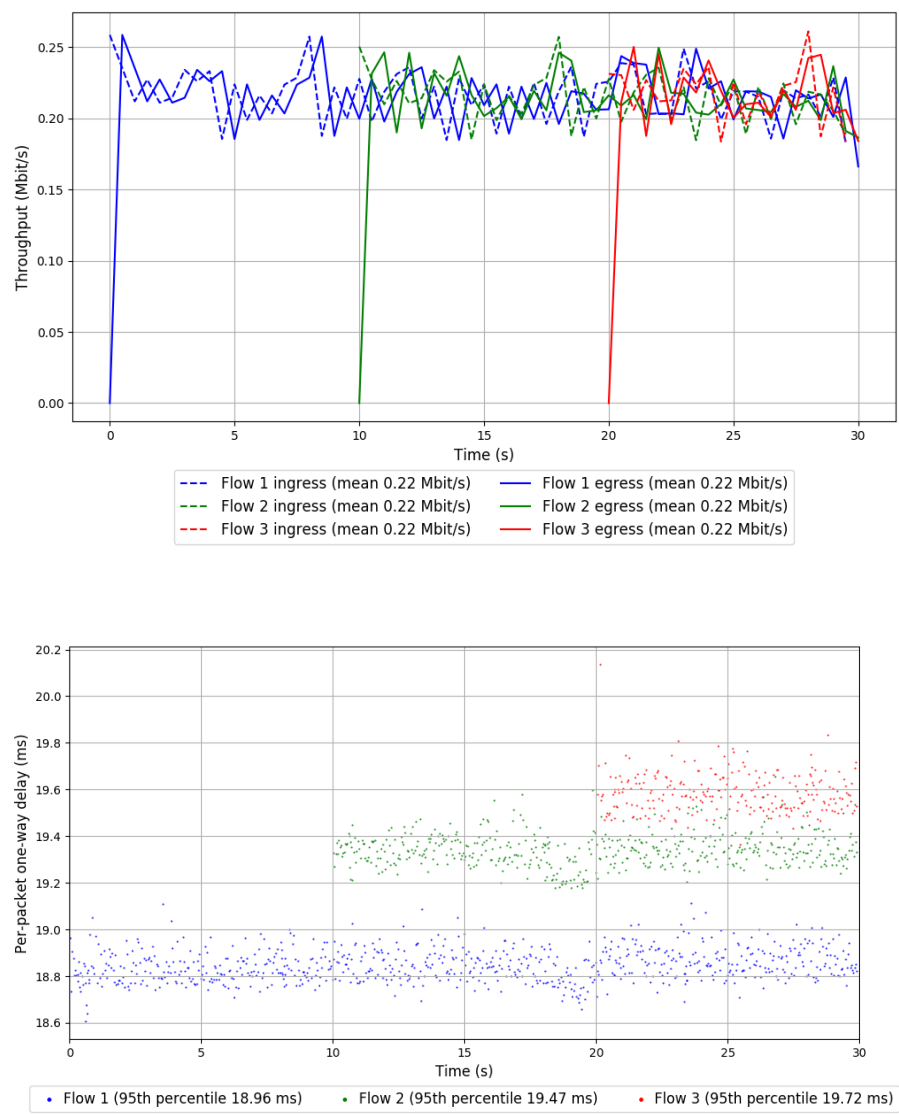
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.722 ms

Loss rate: 0.35%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-12-11 15:04:45

End at: 2019-12-11 15:05:15

Local clock offset: 3.14 ms

Remote clock offset: 5.223 ms

Below is generated by plot.py at 2019-12-11 18:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.21 Mbit/s

95th percentile per-packet one-way delay: 19.283 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 19.345 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 50.13 Mbit/s

95th percentile per-packet one-way delay: 1.036 ms

Loss rate: 0.00%

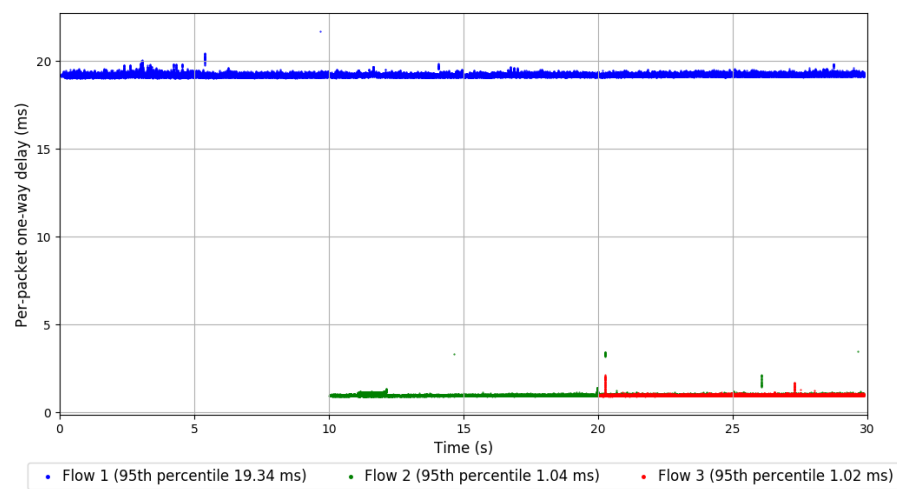
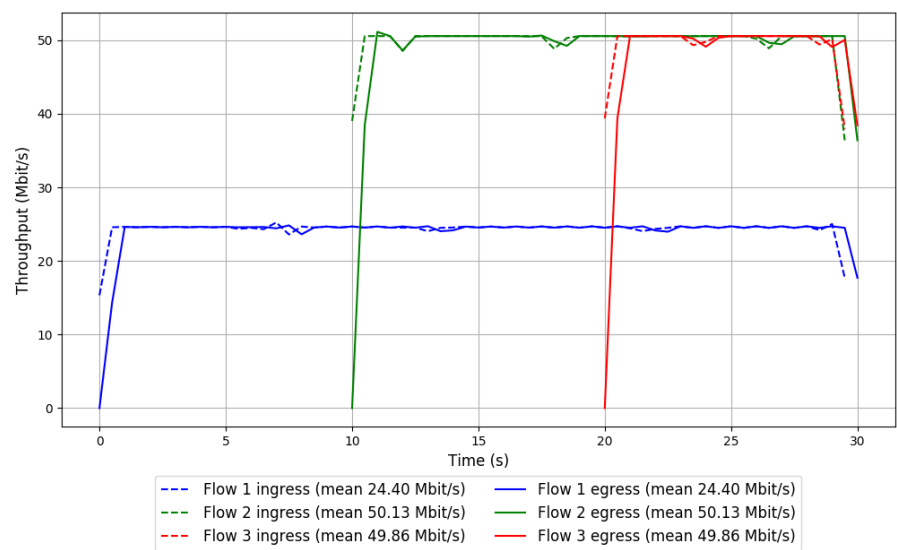
-- Flow 3:

Average throughput: 49.86 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-12-11 15:39:46

End at: 2019-12-11 15:40:16

Local clock offset: 3.381 ms

Remote clock offset: 9.763 ms

Below is generated by plot.py at 2019-12-11 18:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.52 Mbit/s

95th percentile per-packet one-way delay: 18.327 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 1.040 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 1.036 ms

Loss rate: 0.03%

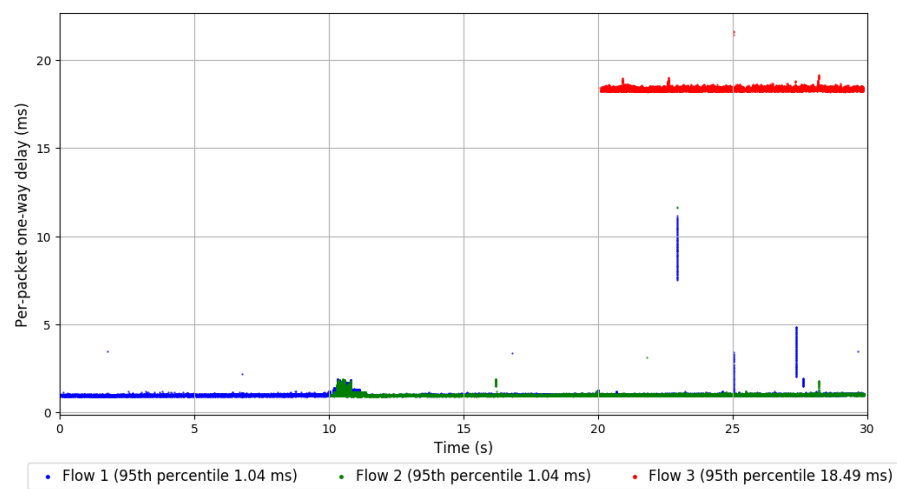
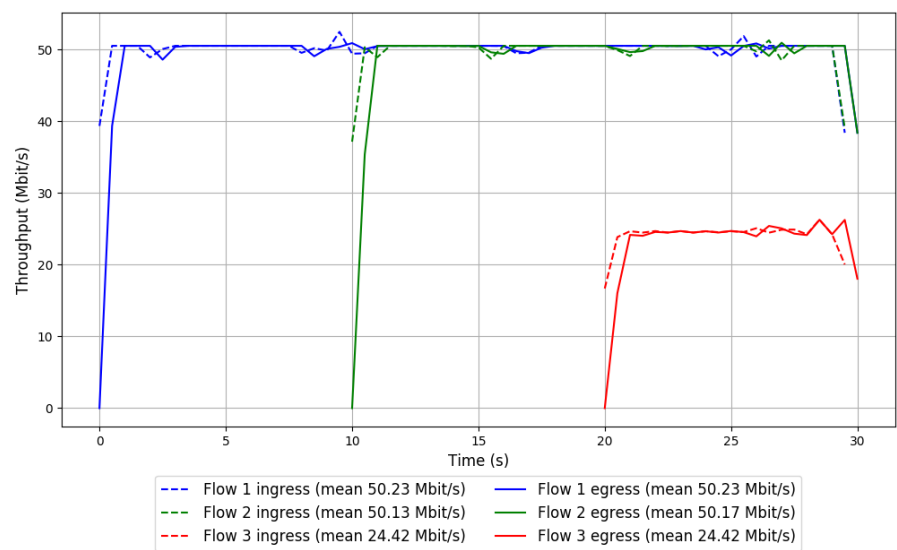
-- Flow 3:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 18.487 ms

Loss rate: 0.42%

Run 2: Report of Sprout — Data Link

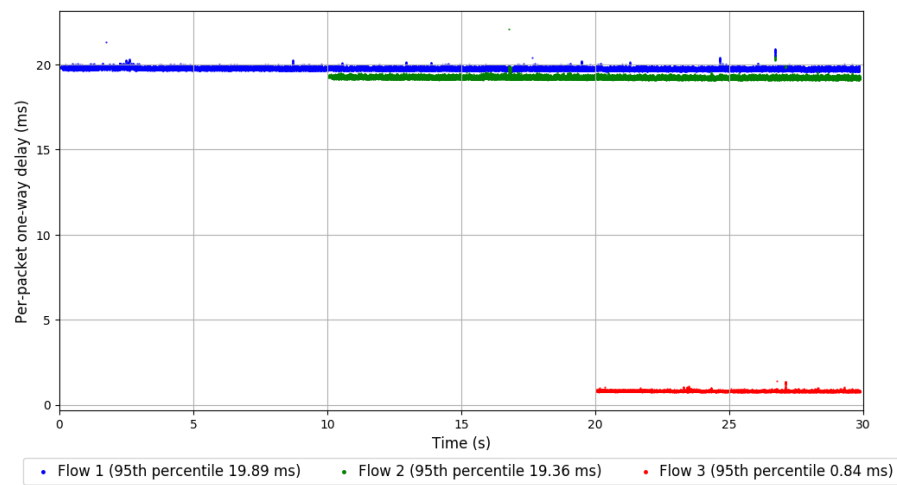
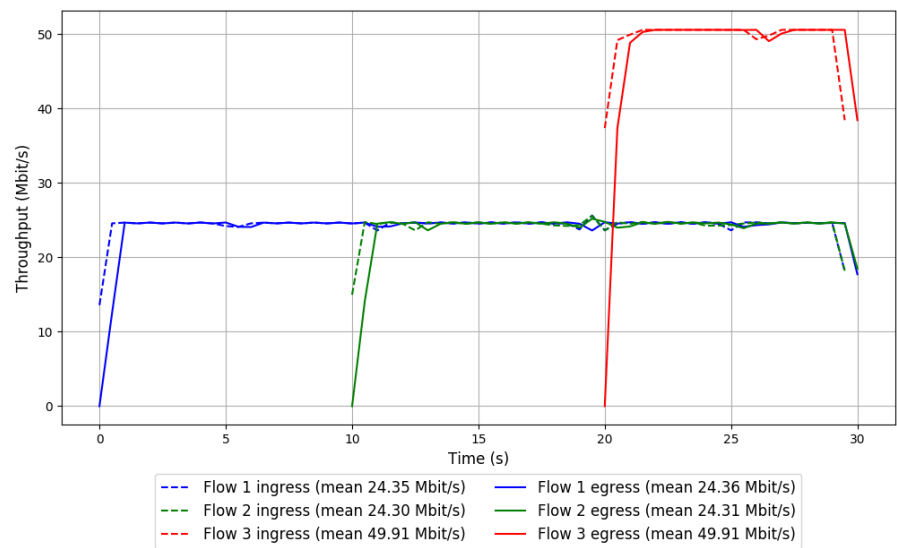


Run 3: Statistics of Sprout

Start at: 2019-12-11 16:14:24
End at: 2019-12-11 16:14:54
Local clock offset: 3.049 ms
Remote clock offset: -1.17 ms

```
# Below is generated by plot.py at 2019-12-11 18:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.95 Mbit/s
95th percentile per-packet one-way delay: 19.843 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 19.887 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 0.842 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

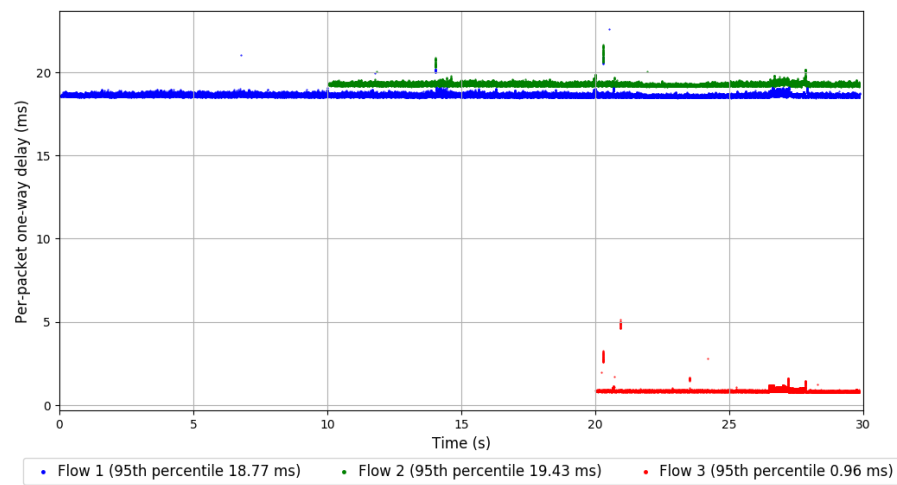
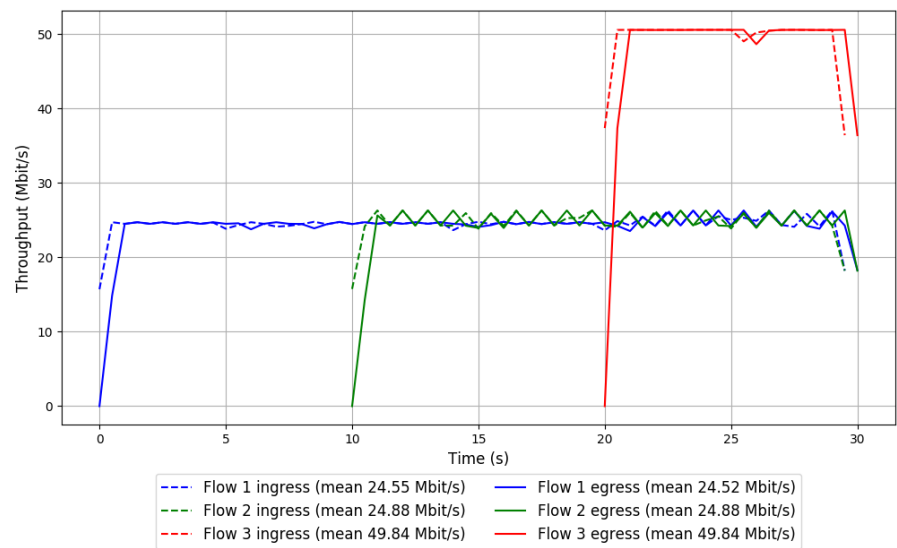


Run 4: Statistics of Sprout

Start at: 2019-12-11 16:49:29
End at: 2019-12-11 16:49:59
Local clock offset: 2.893 ms
Remote clock offset: -4.741 ms

Below is generated by plot.py at 2019-12-11 18:52:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.49 Mbit/s
95th percentile per-packet one-way delay: 19.345 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.52 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 24.88 Mbit/s
95th percentile per-packet one-way delay: 19.430 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.84 Mbit/s
95th percentile per-packet one-way delay: 0.962 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-12-11 17:24:36

End at: 2019-12-11 17:25:06

Local clock offset: 3.474 ms

Remote clock offset: 3.535 ms

Below is generated by plot.py at 2019-12-11 18:52:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.04 Mbit/s

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

Loss rate: 0.06%

-- Flow 1:

Average throughput: 24.97 Mbit/s

95th percentile per-packet one-way delay: 19.499 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 24.98 Mbit/s

95th percentile per-packet one-way delay: 19.047 ms

Loss rate: 0.00%

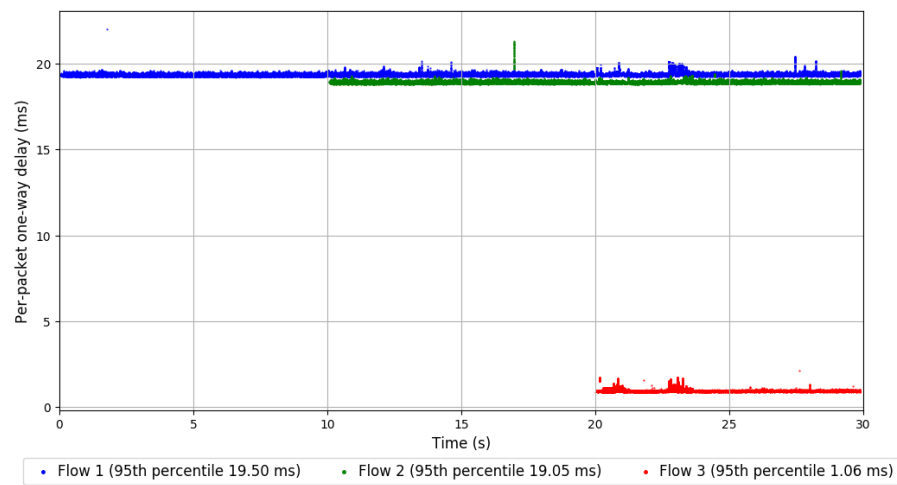
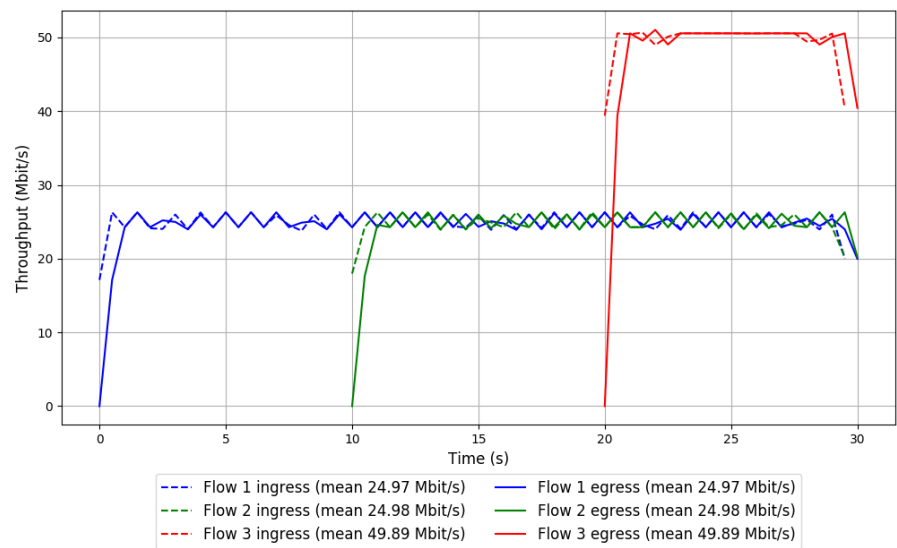
-- Flow 3:

Average throughput: 49.89 Mbit/s

95th percentile per-packet one-way delay: 1.062 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-12-11 14:51:43

End at: 2019-12-11 14:52:13

Local clock offset: 3.115 ms

Remote clock offset: 1.921 ms

Below is generated by plot.py at 2019-12-11 18:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 227.02 Mbit/s

95th percentile per-packet one-way delay: 19.713 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 79.06 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 171.83 Mbit/s

95th percentile per-packet one-way delay: 19.555 ms

Loss rate: 0.07%

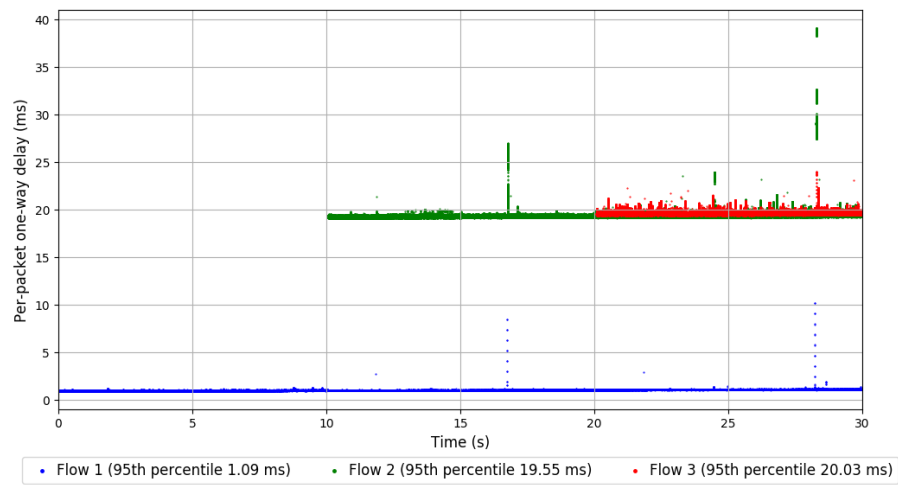
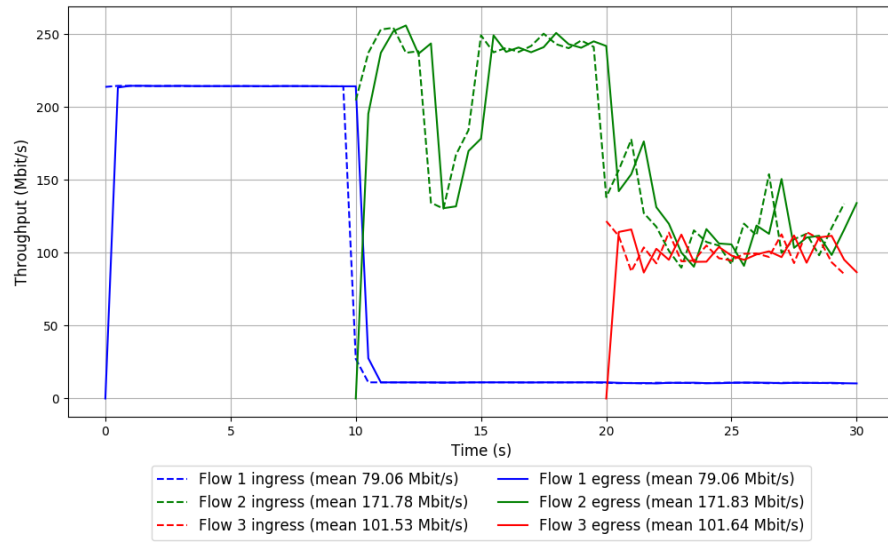
-- Flow 3:

Average throughput: 101.64 Mbit/s

95th percentile per-packet one-way delay: 20.032 ms

Loss rate: 0.10%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-12-11 15:26:42

End at: 2019-12-11 15:27:12

Local clock offset: 3.319 ms

Remote clock offset: 8.192 ms

Below is generated by plot.py at 2019-12-11 18:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.53 Mbit/s

95th percentile per-packet one-way delay: 18.402 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 59.67 Mbit/s

95th percentile per-packet one-way delay: 0.975 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.41 Mbit/s

95th percentile per-packet one-way delay: 0.994 ms

Loss rate: 0.01%

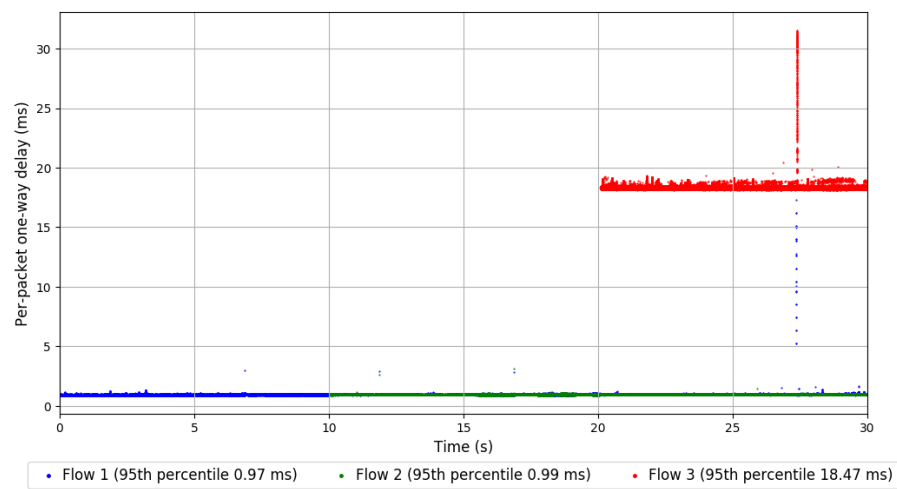
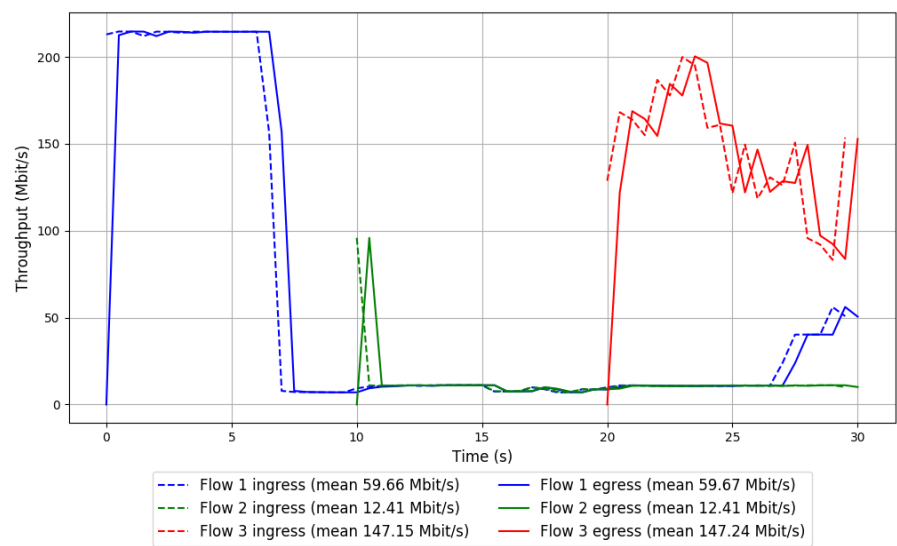
-- Flow 3:

Average throughput: 147.24 Mbit/s

95th percentile per-packet one-way delay: 18.468 ms

Loss rate: 0.14%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-12-11 16:01:41

End at: 2019-12-11 16:02:11

Local clock offset: 3.198 ms

Remote clock offset: 2.31 ms

Below is generated by plot.py at 2019-12-11 18:52:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 123.41 Mbit/s

95th percentile per-packet one-way delay: 0.846 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 0.856 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 0.783 ms

Loss rate: 0.01%

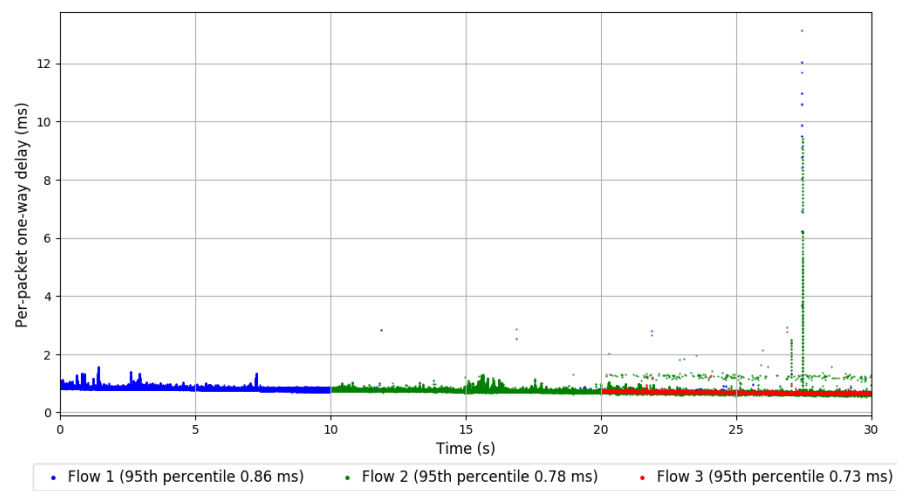
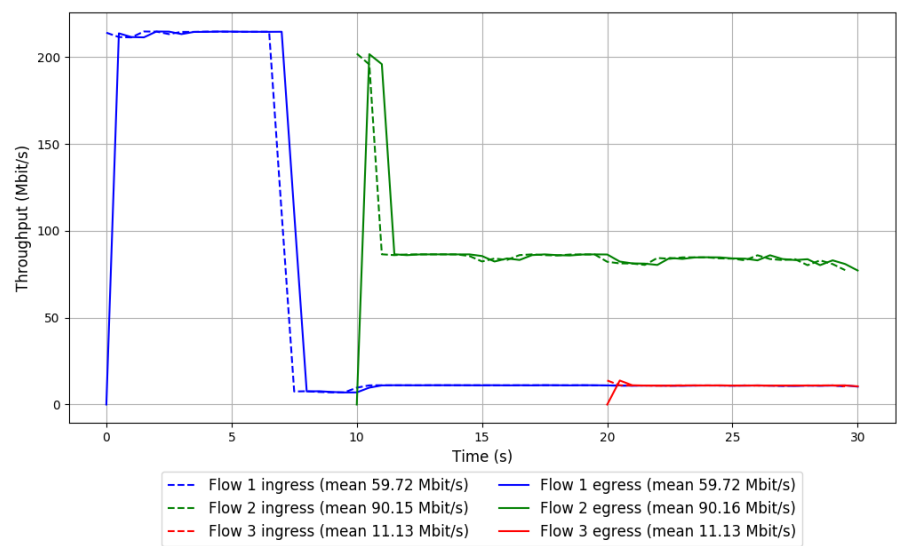
-- Flow 3:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 0.729 ms

Loss rate: 0.01%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-12-11 16:36:21

End at: 2019-12-11 16:36:51

Local clock offset: 2.899 ms

Remote clock offset: -3.7 ms

Below is generated by plot.py at 2019-12-11 18:53:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.99 Mbit/s

95th percentile per-packet one-way delay: 19.963 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 187.82 Mbit/s

95th percentile per-packet one-way delay: 19.964 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 79.27 Mbit/s

95th percentile per-packet one-way delay: 0.962 ms

Loss rate: 0.01%

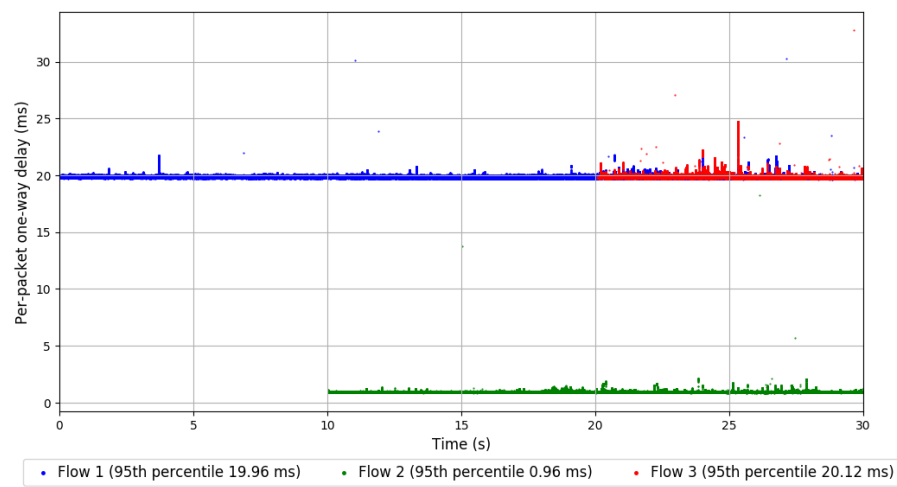
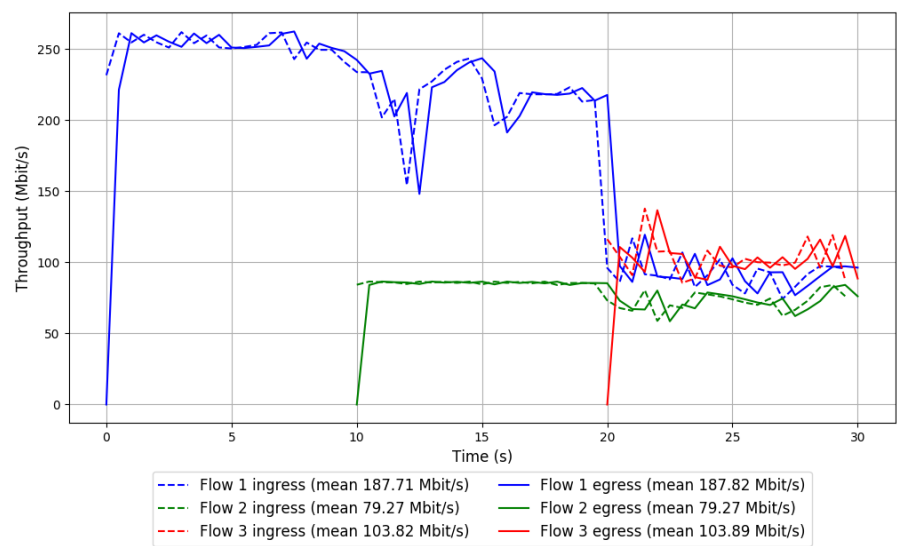
-- Flow 3:

Average throughput: 103.89 Mbit/s

95th percentile per-packet one-way delay: 20.116 ms

Loss rate: 0.16%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-12-11 17:11:21

End at: 2019-12-11 17:11:51

Local clock offset: 3.027 ms

Remote clock offset: 1.387 ms

Below is generated by plot.py at 2019-12-11 18:53:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 255.56 Mbit/s

95th percentile per-packet one-way delay: 19.985 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 208.18 Mbit/s

95th percentile per-packet one-way delay: 19.990 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 1.013 ms

Loss rate: 0.01%

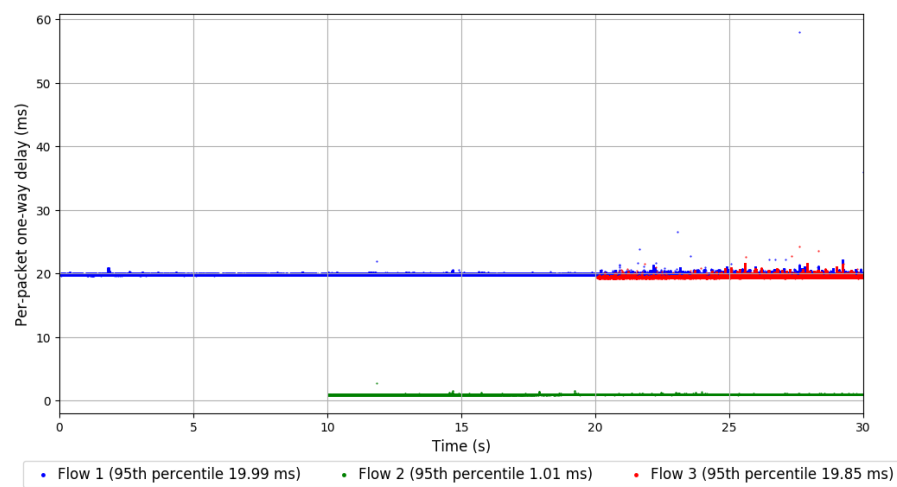
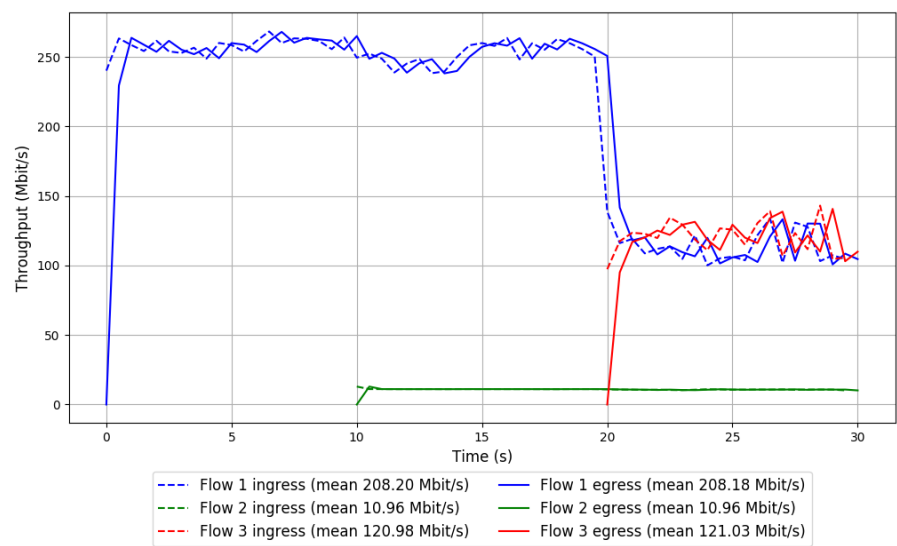
-- Flow 3:

Average throughput: 121.03 Mbit/s

95th percentile per-packet one-way delay: 19.847 ms

Loss rate: 0.17%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-12-11 14:57:41

End at: 2019-12-11 14:58:11

Local clock offset: 3.114 ms

Remote clock offset: 3.746 ms

Below is generated by plot.py at 2019-12-11 18:53:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 478.28 Mbit/s

95th percentile per-packet one-way delay: 19.494 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 228.68 Mbit/s

95th percentile per-packet one-way delay: 19.564 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 260.67 Mbit/s

95th percentile per-packet one-way delay: 19.151 ms

Loss rate: 0.10%

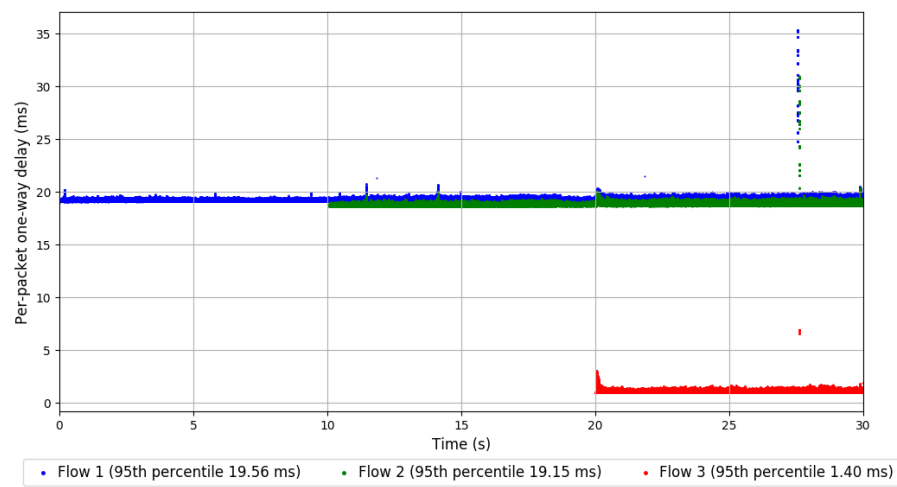
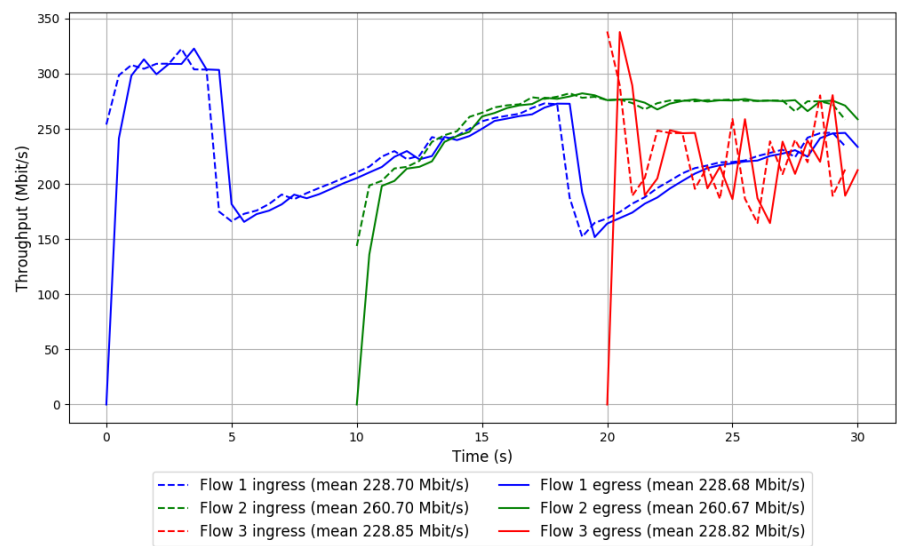
-- Flow 3:

Average throughput: 228.82 Mbit/s

95th percentile per-packet one-way delay: 1.399 ms

Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-12-11 15:32:33

End at: 2019-12-11 15:33:03

Local clock offset: 3.376 ms

Remote clock offset: 8.874 ms

Below is generated by plot.py at 2019-12-11 18:56:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 671.76 Mbit/s

95th percentile per-packet one-way delay: 20.248 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 497.98 Mbit/s

95th percentile per-packet one-way delay: 20.277 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 171.80 Mbit/s

95th percentile per-packet one-way delay: 1.236 ms

Loss rate: 0.01%

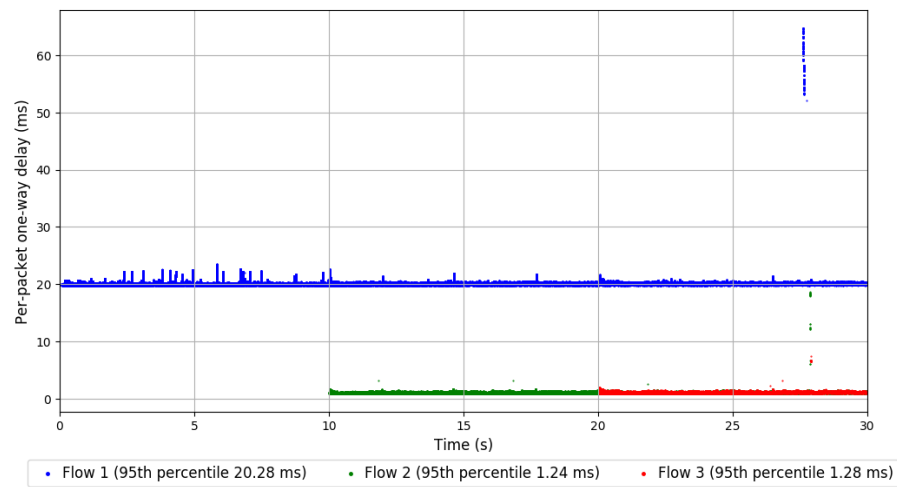
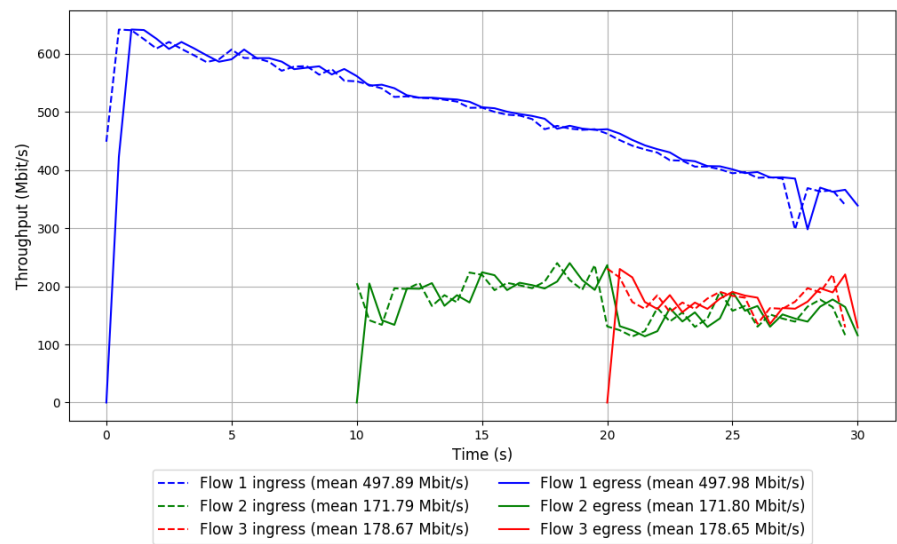
-- Flow 3:

Average throughput: 178.65 Mbit/s

95th percentile per-packet one-way delay: 1.278 ms

Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-12-11 16:07:29

End at: 2019-12-11 16:07:59

Local clock offset: 3.211 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2019-12-11 18:56:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 476.16 Mbit/s

95th percentile per-packet one-way delay: 19.030 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 216.08 Mbit/s

95th percentile per-packet one-way delay: 19.087 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 245.41 Mbit/s

95th percentile per-packet one-way delay: 0.978 ms

Loss rate: 0.01%

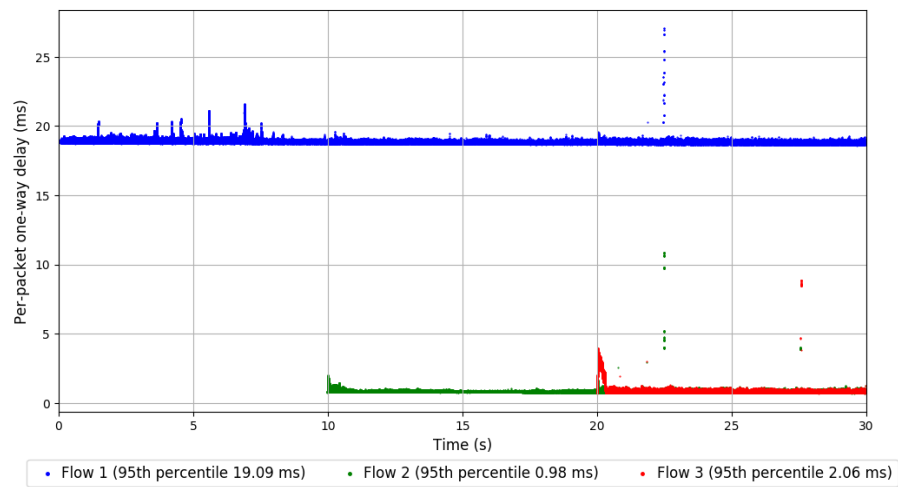
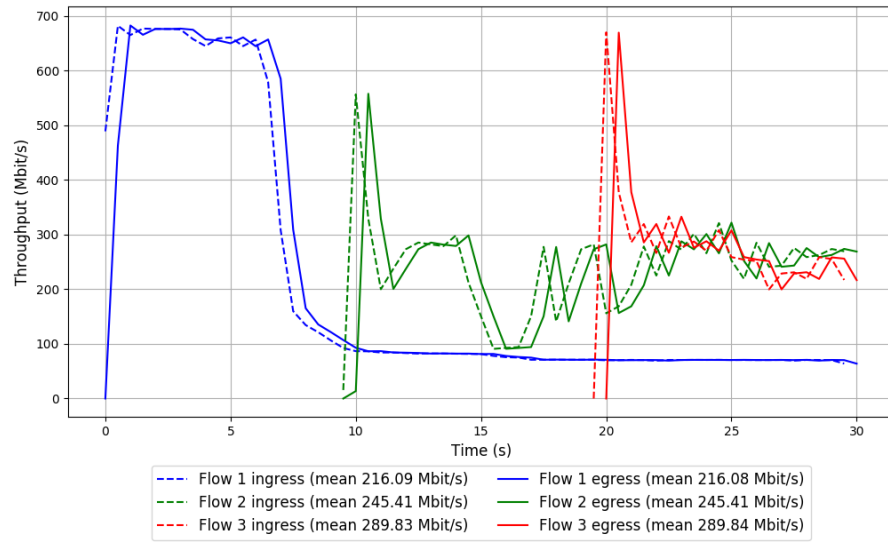
-- Flow 3:

Average throughput: 289.84 Mbit/s

95th percentile per-packet one-way delay: 2.065 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

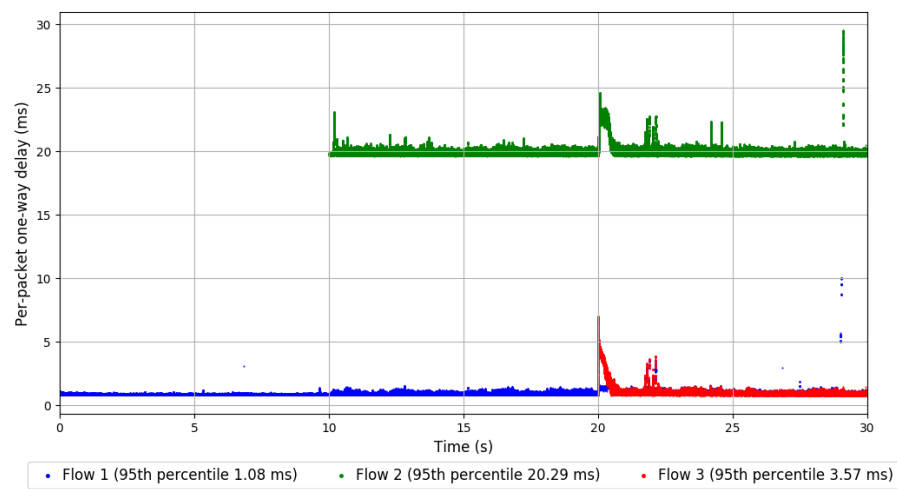
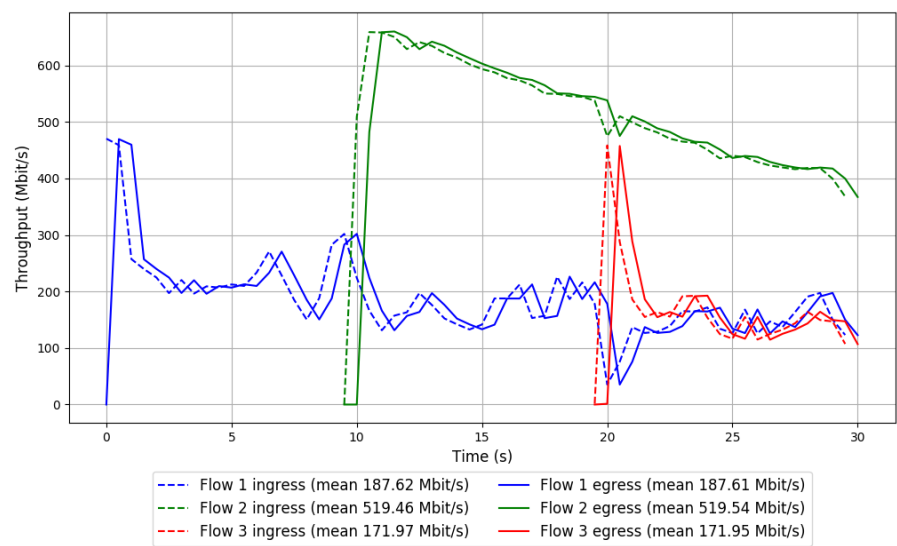


Run 4: Statistics of TCP Vegas

Start at: 2019-12-11 16:42:16
End at: 2019-12-11 16:42:46
Local clock offset: 2.875 ms
Remote clock offset: -4.137 ms

Below is generated by plot.py at 2019-12-11 18:57:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 590.90 Mbit/s
95th percentile per-packet one-way delay: 20.190 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 187.61 Mbit/s
95th percentile per-packet one-way delay: 1.080 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 519.54 Mbit/s
95th percentile per-packet one-way delay: 20.291 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 171.95 Mbit/s
95th percentile per-packet one-way delay: 3.570 ms
Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-12-11 17:17:19

End at: 2019-12-11 17:17:49

Local clock offset: 3.285 ms

Remote clock offset: 2.596 ms

Below is generated by plot.py at 2019-12-11 18:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 637.16 Mbit/s

95th percentile per-packet one-way delay: 19.895 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 180.85 Mbit/s

95th percentile per-packet one-way delay: 2.351 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 518.24 Mbit/s

95th percentile per-packet one-way delay: 19.980 ms

Loss rate: 0.07%

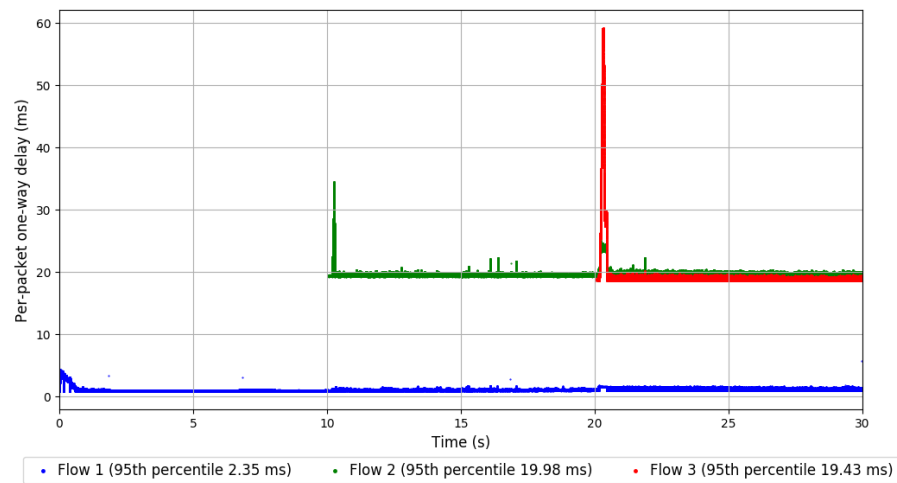
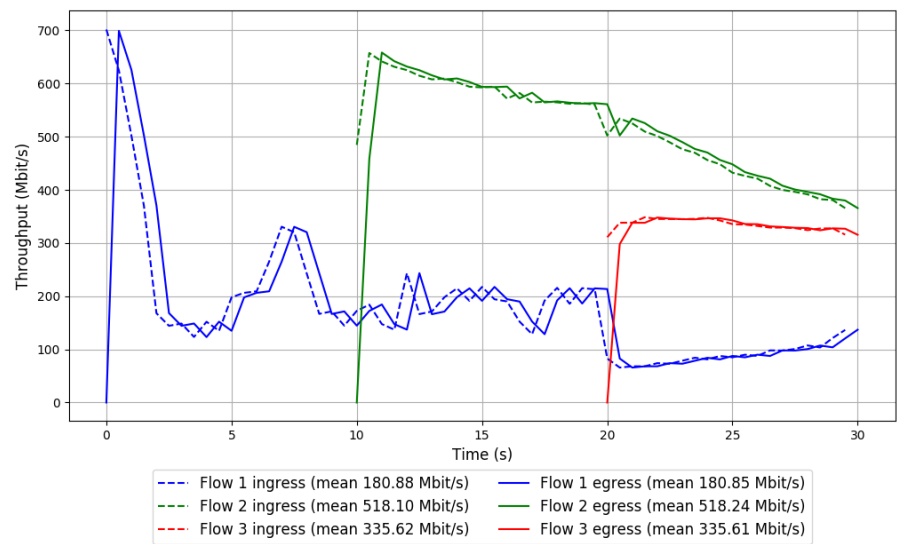
-- Flow 3:

Average throughput: 335.61 Mbit/s

95th percentile per-packet one-way delay: 19.428 ms

Loss rate: 0.20%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-12-11 14:53:12

End at: 2019-12-11 14:53:42

Local clock offset: 3.139 ms

Remote clock offset: 2.447 ms

Below is generated by plot.py at 2019-12-11 18:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 436.96 Mbit/s

95th percentile per-packet one-way delay: 23.055 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 201.61 Mbit/s

95th percentile per-packet one-way delay: 25.006 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 291.82 Mbit/s

95th percentile per-packet one-way delay: 3.106 ms

Loss rate: 0.02%

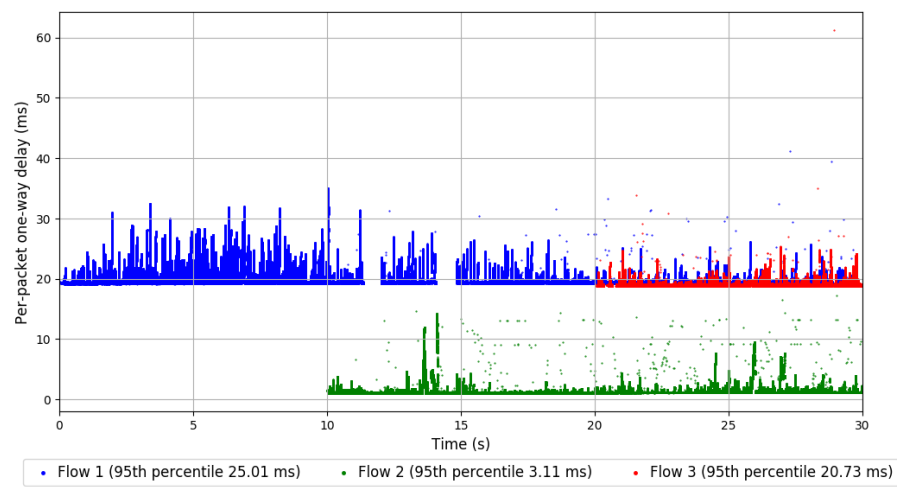
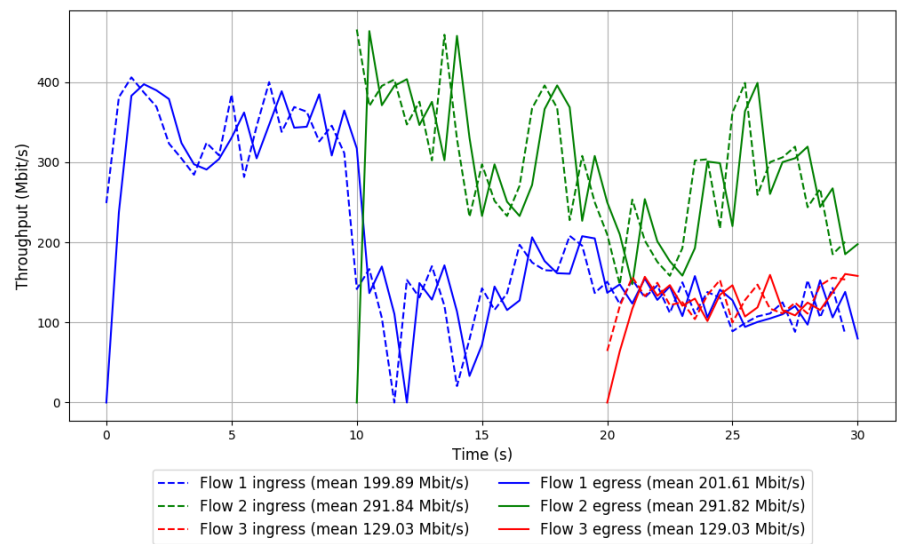
-- Flow 3:

Average throughput: 129.03 Mbit/s

95th percentile per-packet one-way delay: 20.726 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-12-11 15:28:04

End at: 2019-12-11 15:28:34

Local clock offset: 3.322 ms

Remote clock offset: 8.452 ms

Below is generated by plot.py at 2019-12-11 18:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.98 Mbit/s

95th percentile per-packet one-way delay: 22.366 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 247.31 Mbit/s

95th percentile per-packet one-way delay: 23.030 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 126.23 Mbit/s

95th percentile per-packet one-way delay: 1.646 ms

Loss rate: 0.04%

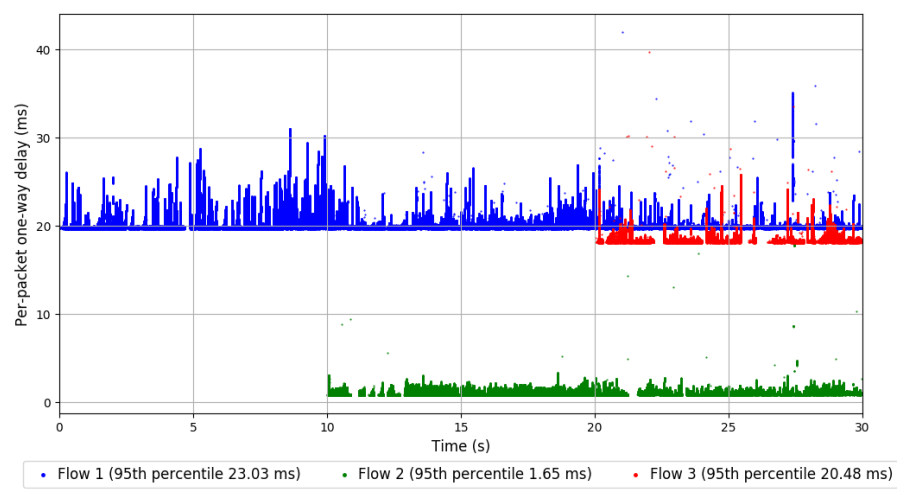
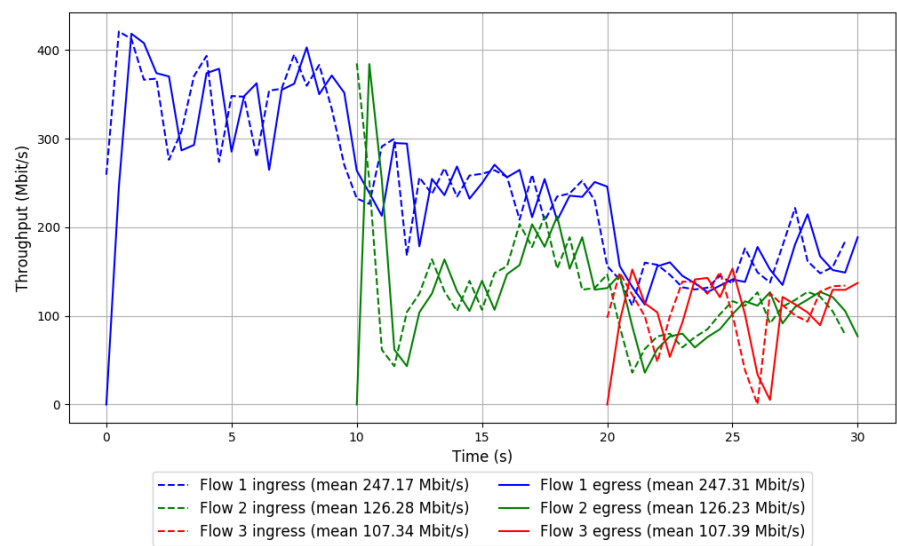
-- Flow 3:

Average throughput: 107.39 Mbit/s

95th percentile per-packet one-way delay: 20.485 ms

Loss rate: 0.15%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-12-11 16:03:03

End at: 2019-12-11 16:03:33

Local clock offset: 3.173 ms

Remote clock offset: 1.646 ms

Below is generated by plot.py at 2019-12-11 18:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.05 Mbit/s

95th percentile per-packet one-way delay: 2.284 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 183.29 Mbit/s

95th percentile per-packet one-way delay: 2.436 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 115.84 Mbit/s

95th percentile per-packet one-way delay: 1.932 ms

Loss rate: 0.01%

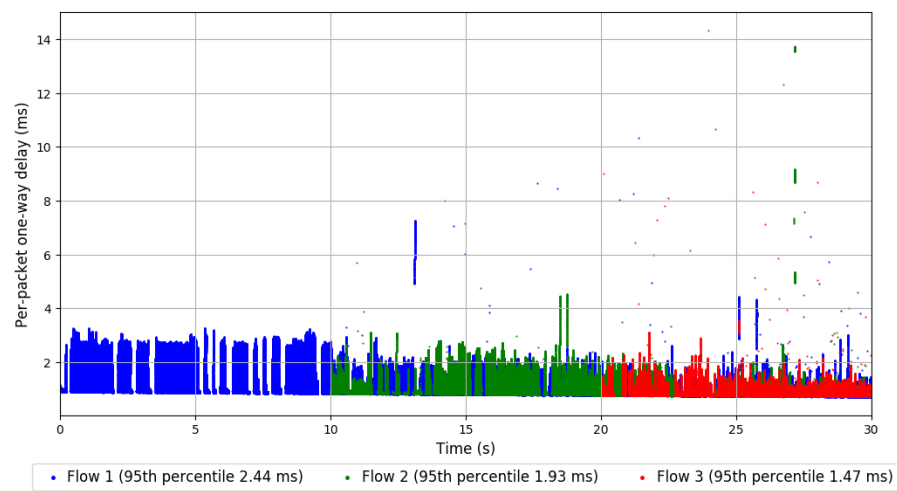
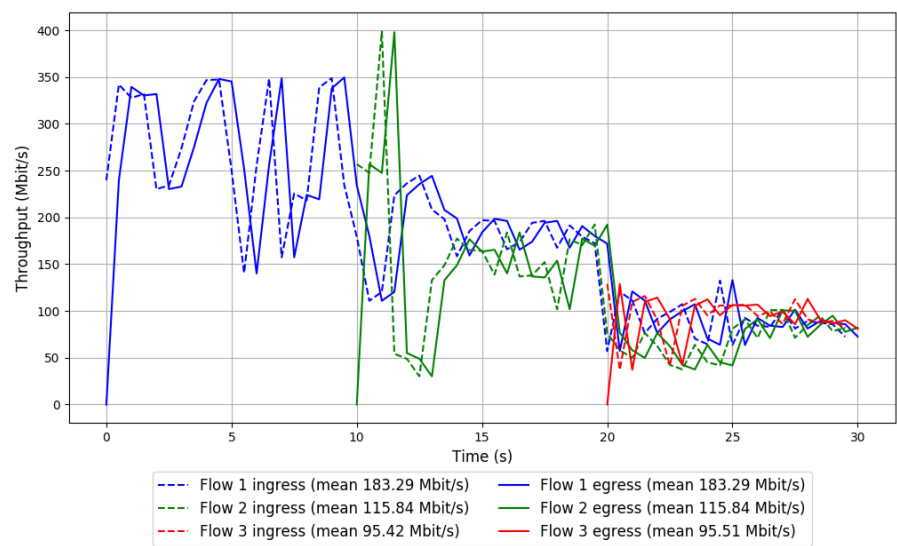
-- Flow 3:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 1.467 ms

Loss rate: 0.03%

Run 3: Report of Verus — Data Link

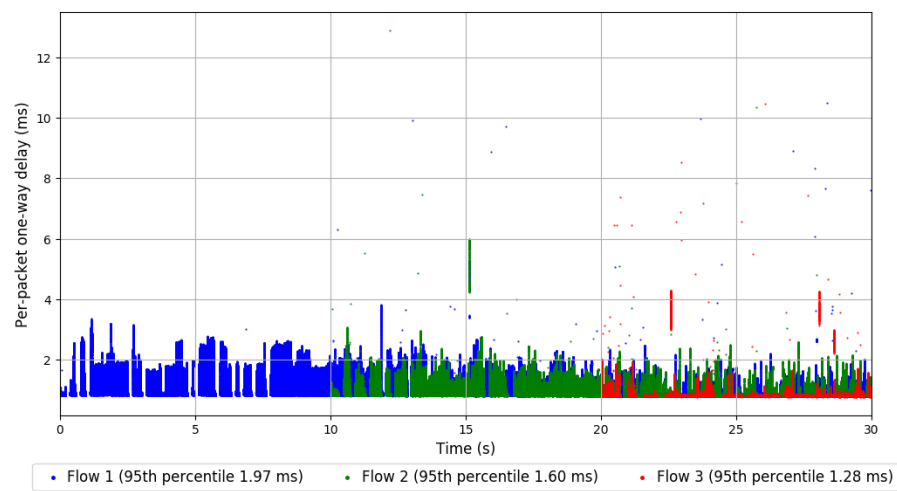
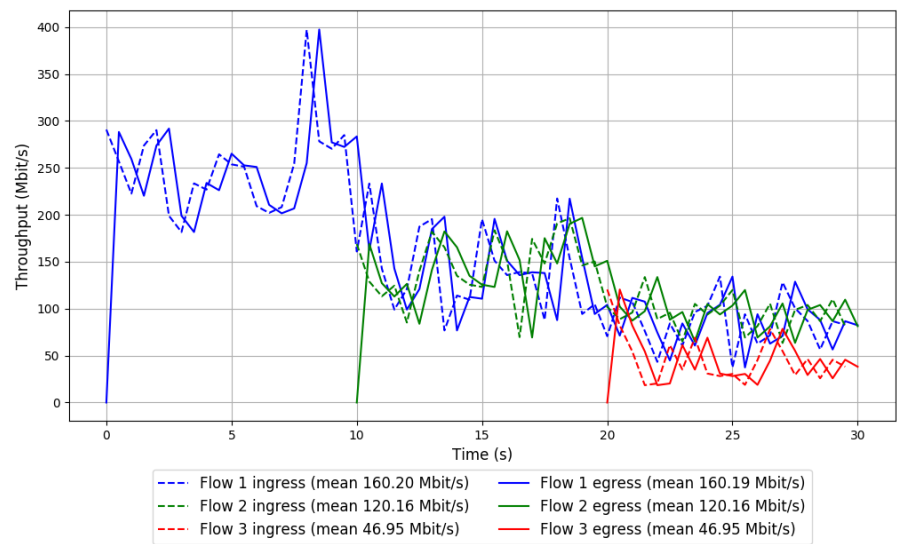


Run 4: Statistics of Verus

Start at: 2019-12-11 16:37:53
End at: 2019-12-11 16:38:23
Local clock offset: 2.889 ms
Remote clock offset: -3.733 ms

Below is generated by plot.py at 2019-12-11 18:59:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 255.76 Mbit/s
95th percentile per-packet one-way delay: 1.862 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 160.19 Mbit/s
95th percentile per-packet one-way delay: 1.974 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 120.16 Mbit/s
95th percentile per-packet one-way delay: 1.605 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 1.277 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-12-11 17:12:52

End at: 2019-12-11 17:13:22

Local clock offset: 3.099 ms

Remote clock offset: 1.756 ms

Below is generated by plot.py at 2019-12-11 18:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.99 Mbit/s

95th percentile per-packet one-way delay: 20.442 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 191.69 Mbit/s

95th percentile per-packet one-way delay: 2.043 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 180.03 Mbit/s

95th percentile per-packet one-way delay: 23.210 ms

Loss rate: 0.09%

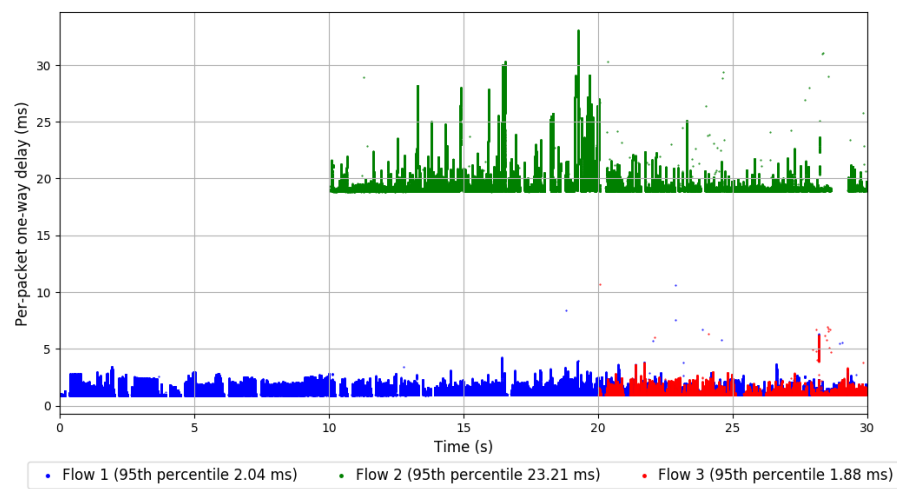
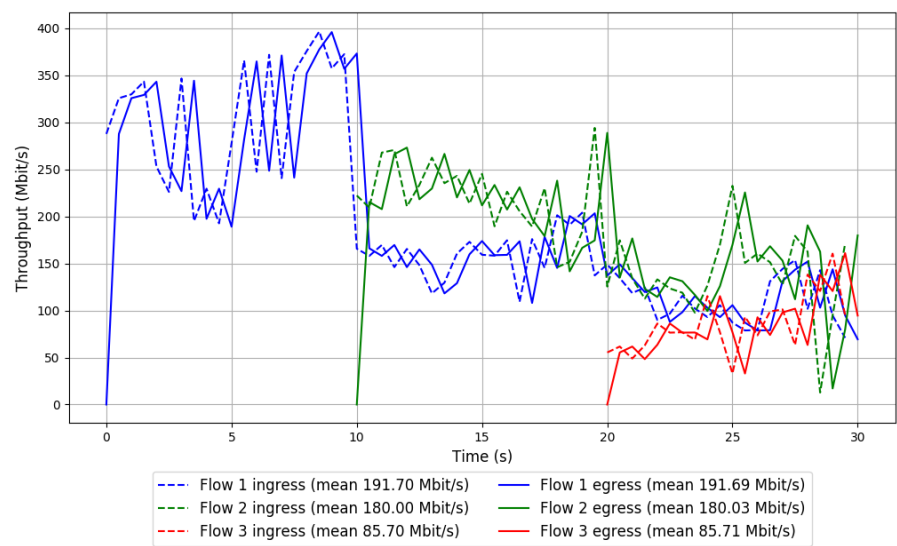
-- Flow 3:

Average throughput: 85.71 Mbit/s

95th percentile per-packet one-way delay: 1.877 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-12-11 15:17:44

End at: 2019-12-11 15:18:14

Local clock offset: 3.255 ms

Remote clock offset: 7.098 ms

Below is generated by plot.py at 2019-12-11 19:00:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.26 Mbit/s

95th percentile per-packet one-way delay: 19.458 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 254.85 Mbit/s

95th percentile per-packet one-way delay: 19.493 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 131.25 Mbit/s

95th percentile per-packet one-way delay: 1.293 ms

Loss rate: 0.00%

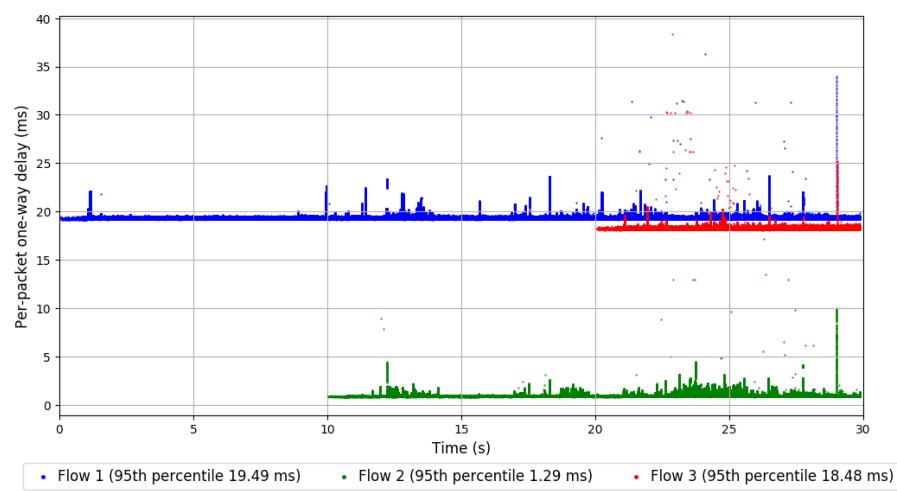
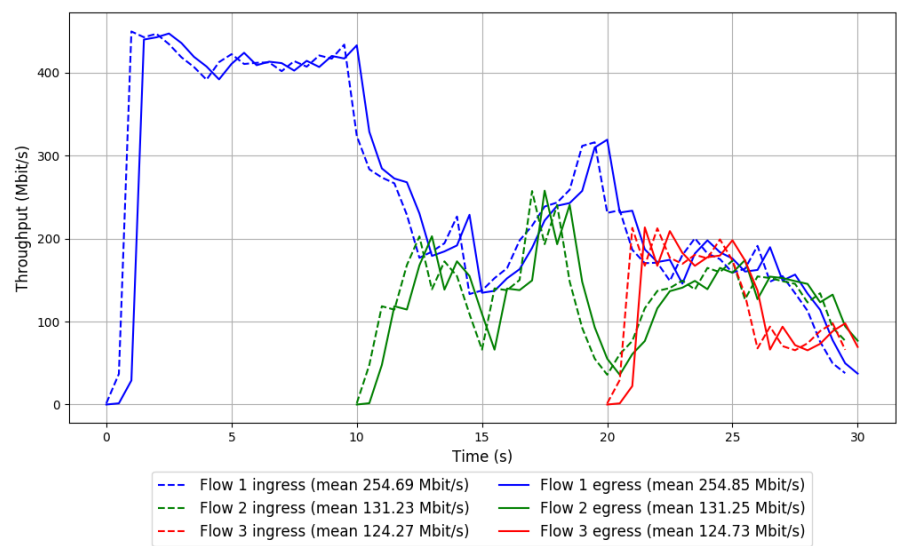
-- Flow 3:

Average throughput: 124.73 Mbit/s

95th percentile per-packet one-way delay: 18.479 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-12-11 15:52:42

End at: 2019-12-11 15:53:12

Local clock offset: 3.221 ms

Remote clock offset: 9.153 ms

Below is generated by plot.py at 2019-12-11 19:00:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.19 Mbit/s

95th percentile per-packet one-way delay: 19.010 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 254.82 Mbit/s

95th percentile per-packet one-way delay: 18.976 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 76.38 Mbit/s

95th percentile per-packet one-way delay: 18.578 ms

Loss rate: 0.14%

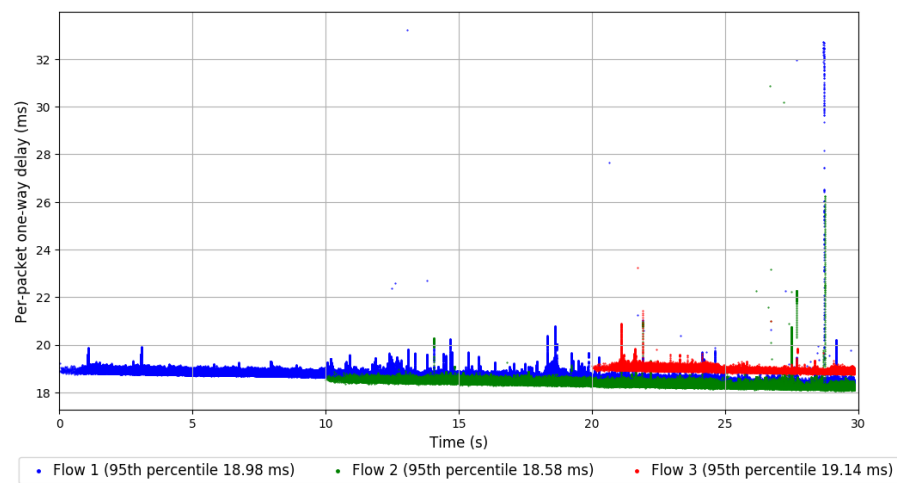
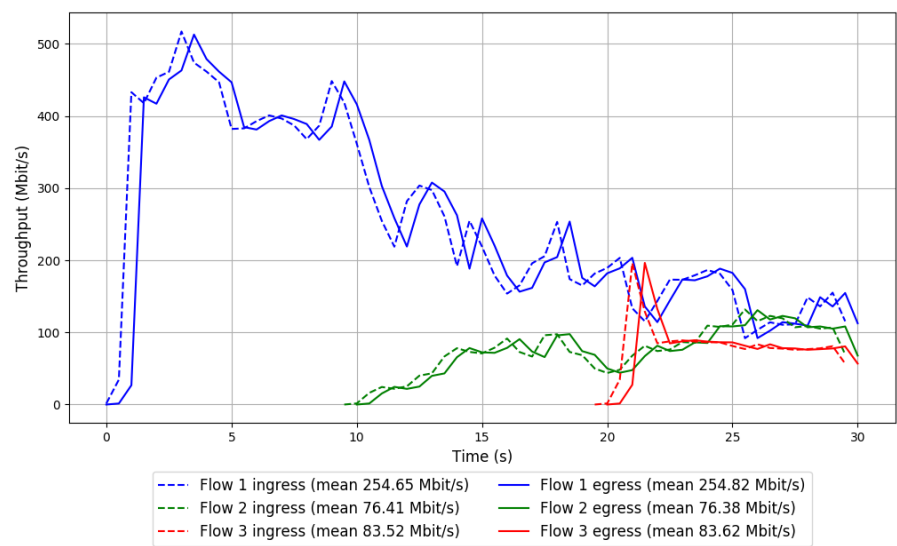
-- Flow 3:

Average throughput: 83.62 Mbit/s

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

Loss rate: 0.20%

Run 2: Report of PCC-Vivace — Data Link

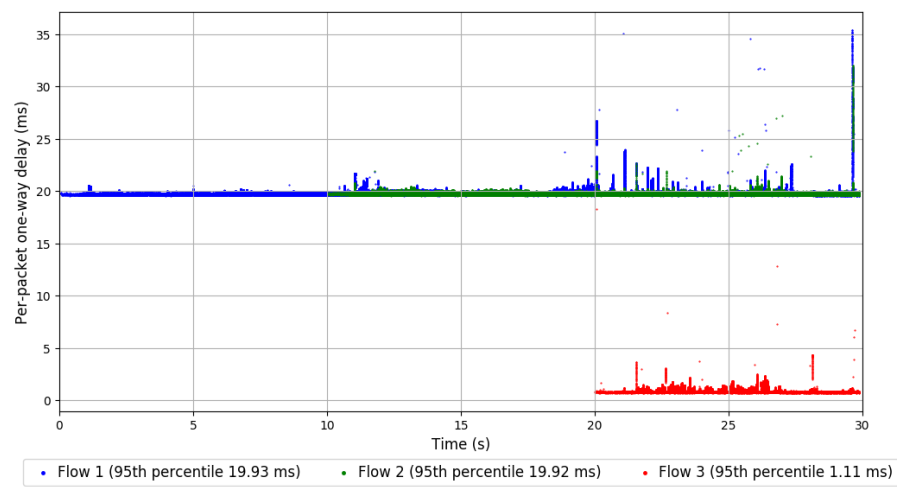
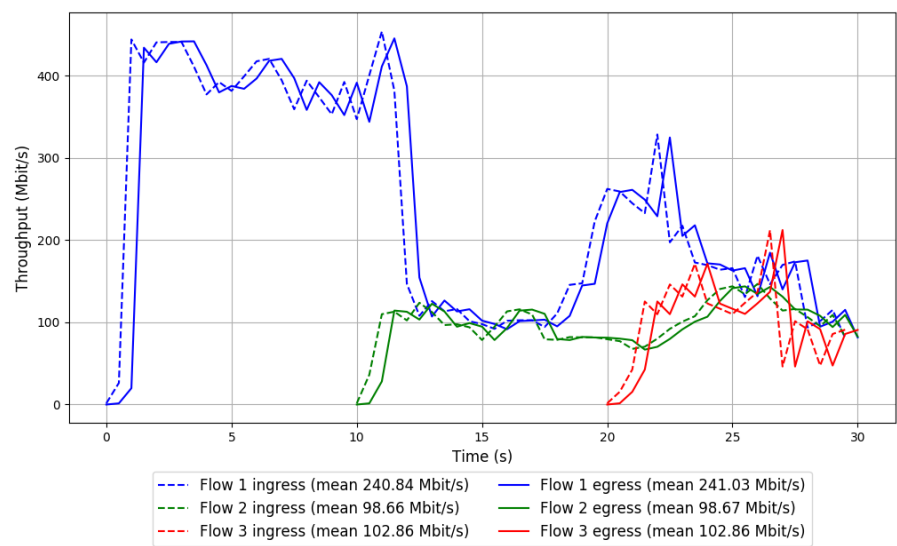


Run 3: Statistics of PCC-Vivace

Start at: 2019-12-11 16:27:22
End at: 2019-12-11 16:27:52
Local clock offset: 2.933 ms
Remote clock offset: -2.803 ms

Below is generated by plot.py at 2019-12-11 19:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.62 Mbit/s
95th percentile per-packet one-way delay: 19.917 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 241.03 Mbit/s
95th percentile per-packet one-way delay: 19.934 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 98.67 Mbit/s
95th percentile per-packet one-way delay: 19.922 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 102.86 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link

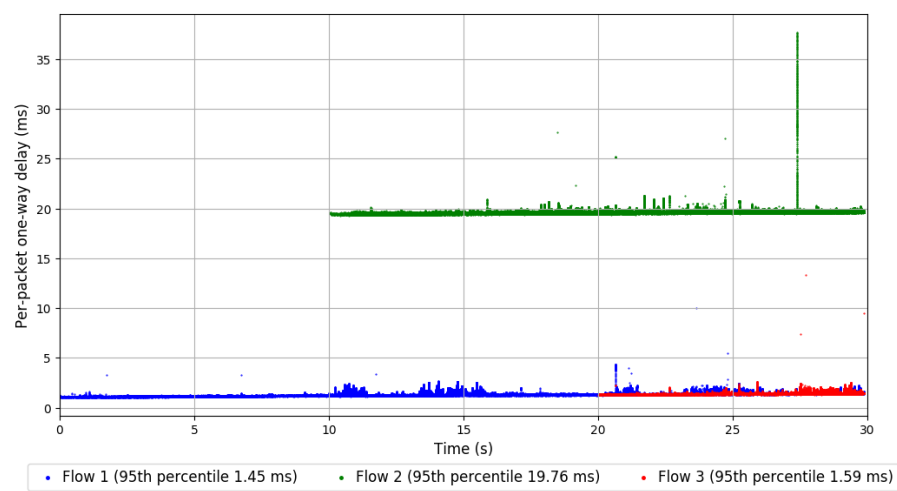
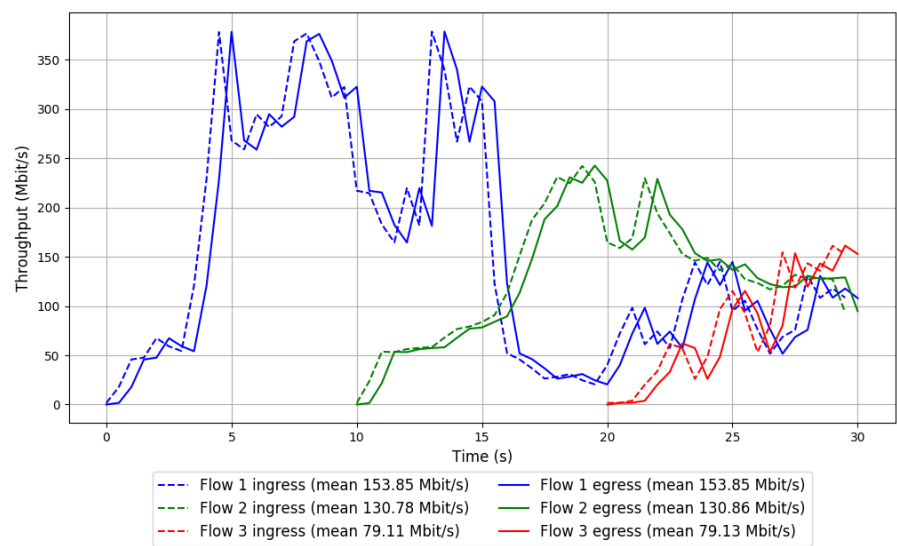


Run 4: Statistics of PCC-Vivace

Start at: 2019-12-11 17:02:28
End at: 2019-12-11 17:02:58
Local clock offset: 2.845 ms
Remote clock offset: -2.933 ms

Below is generated by plot.py at 2019-12-11 19:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.92 Mbit/s
95th percentile per-packet one-way delay: 19.682 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 153.85 Mbit/s
95th percentile per-packet one-way delay: 1.445 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 130.86 Mbit/s
95th percentile per-packet one-way delay: 19.760 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 79.13 Mbit/s
95th percentile per-packet one-way delay: 1.590 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-12-11 17:37:30

End at: 2019-12-11 17:38:00

Local clock offset: 3.644 ms

Remote clock offset: 2.849 ms

Below is generated by plot.py at 2019-12-11 19:00:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 284.20 Mbit/s

95th percentile per-packet one-way delay: 19.054 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 178.74 Mbit/s

95th percentile per-packet one-way delay: 0.791 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 120.97 Mbit/s

95th percentile per-packet one-way delay: 0.935 ms

Loss rate: 0.00%

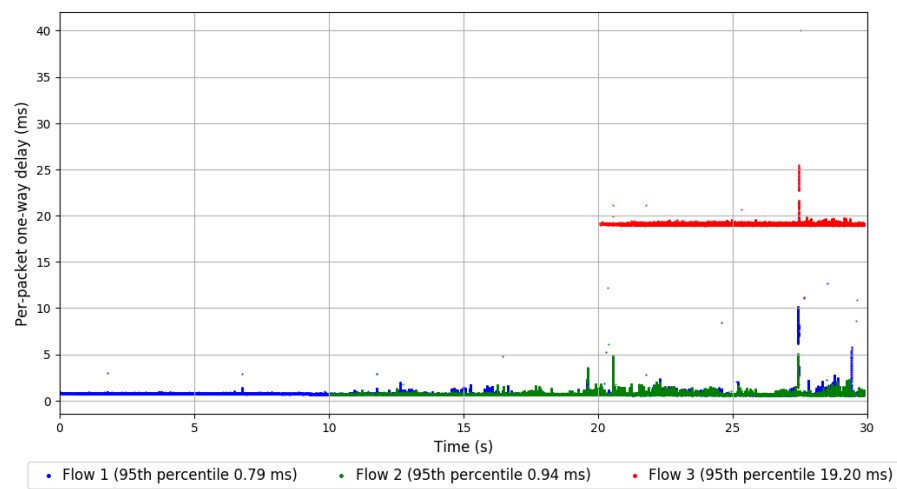
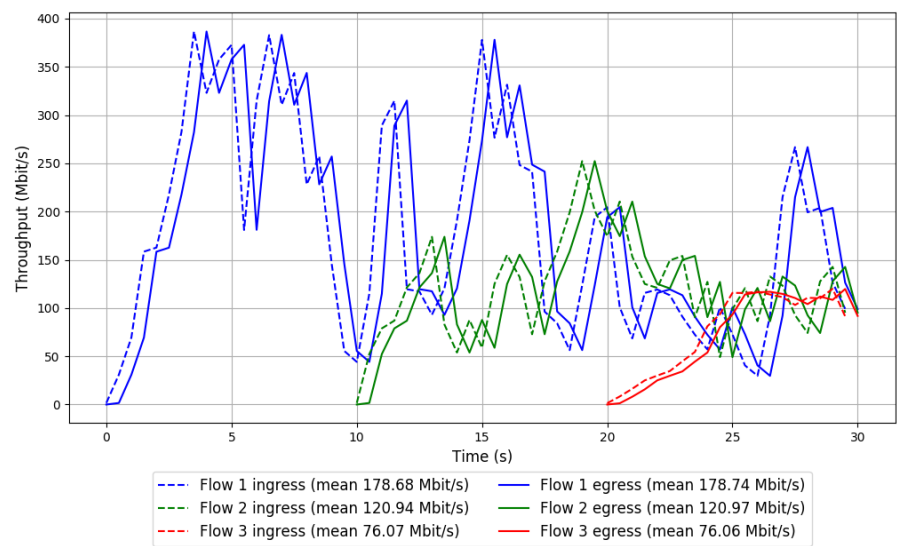
-- Flow 3:

Average throughput: 76.06 Mbit/s

95th percentile per-packet one-way delay: 19.201 ms

Loss rate: 0.28%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-12-11 14:54:45

End at: 2019-12-11 14:55:15

Local clock offset: 3.09 ms

Remote clock offset: 2.978 ms

Below is generated by plot.py at 2019-12-11 19:00:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 20.075 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 18.459 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 18.919 ms

Loss rate: 0.00%

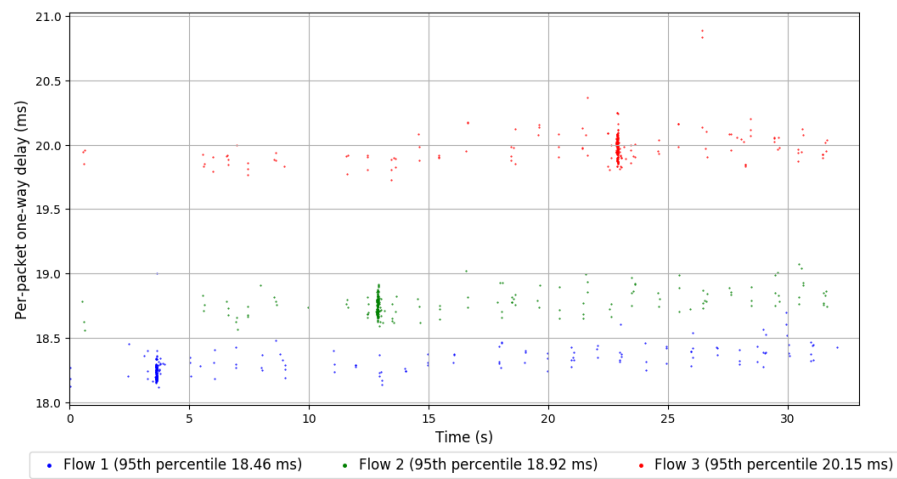
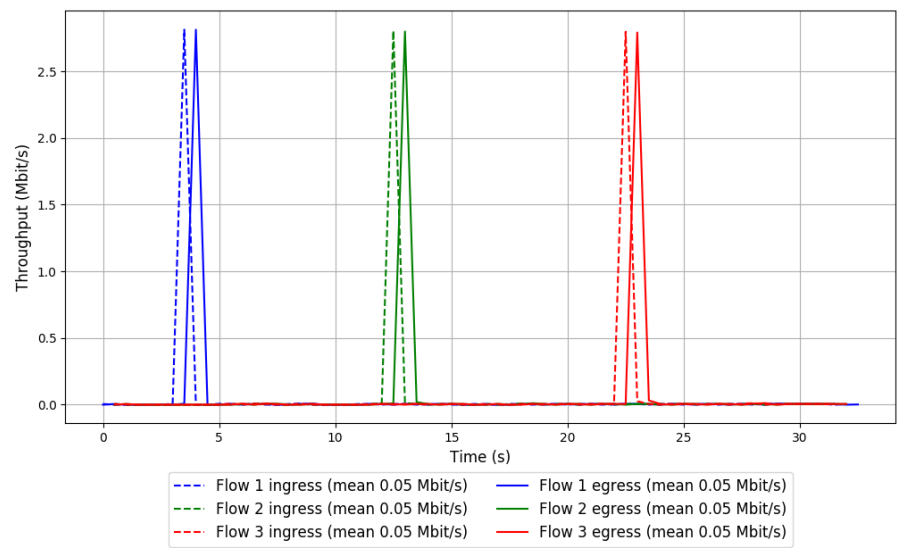
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 20.154 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-12-11 15:29:35

End at: 2019-12-11 15:30:05

Local clock offset: 3.351 ms

Remote clock offset: 8.62 ms

Below is generated by plot.py at 2019-12-11 19:00:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 18.973 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.979 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.973 ms

Loss rate: 0.00%

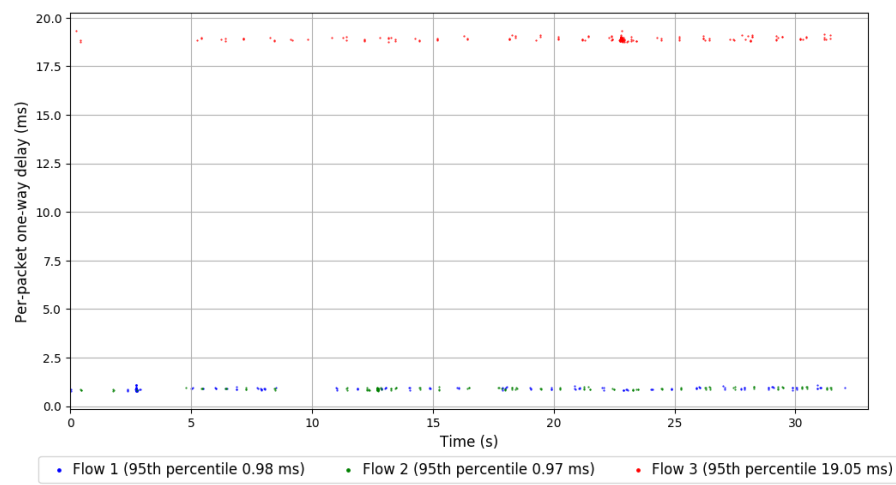
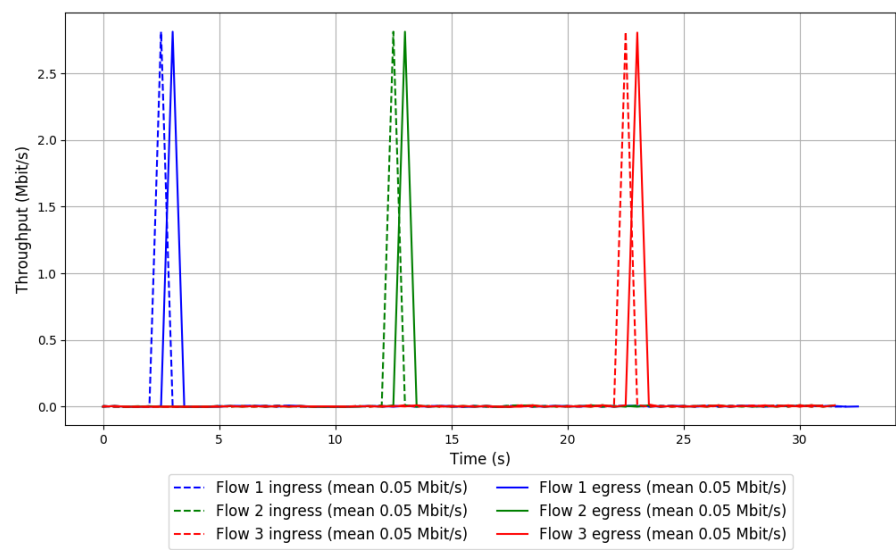
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 19.050 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-12-11 16:04:31

End at: 2019-12-11 16:05:01

Local clock offset: 3.177 ms

Remote clock offset: 1.127 ms

Below is generated by plot.py at 2019-12-11 19:00:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.80 Mbit/s

95th percentile per-packet one-way delay: 18.148 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.954 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 18.369 ms

Loss rate: 0.00%

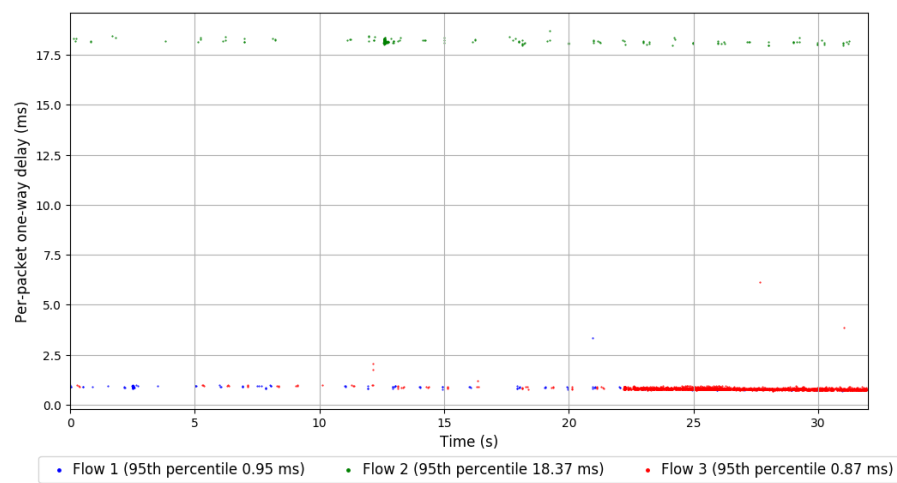
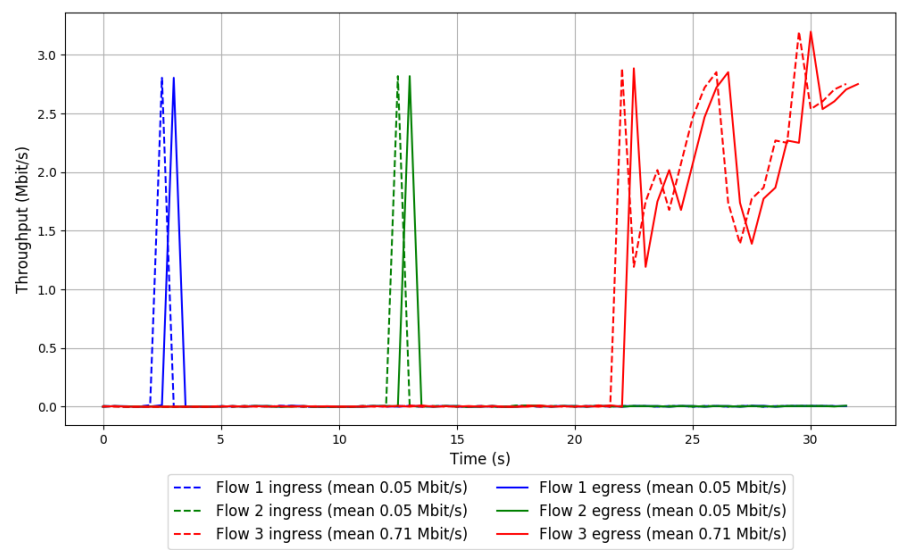
-- Flow 3:

Average throughput: 0.71 Mbit/s

95th percentile per-packet one-way delay: 0.871 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

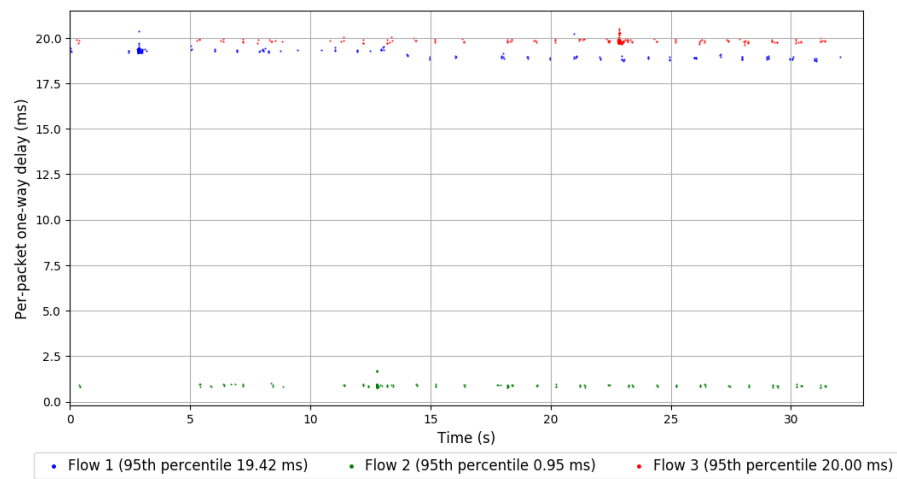
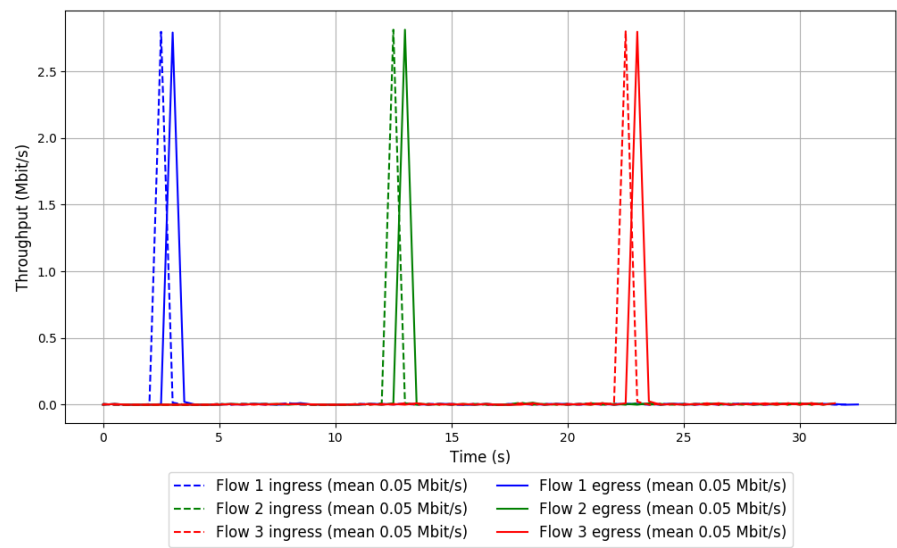


Run 4: Statistics of WebRTC media

Start at: 2019-12-11 16:39:19
End at: 2019-12-11 16:39:49
Local clock offset: 2.879 ms
Remote clock offset: -3.891 ms

```
# Below is generated by plot.py at 2019-12-11 19:00:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.997 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-12-11 17:14:22

End at: 2019-12-11 17:14:52

Local clock offset: 3.196 ms

Remote clock offset: 2.087 ms

Below is generated by plot.py at 2019-12-11 19:00:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 18.998 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 19.062 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.696 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

