

Pantheon Report

Generated at 2019-07-18 14:38:05 (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:

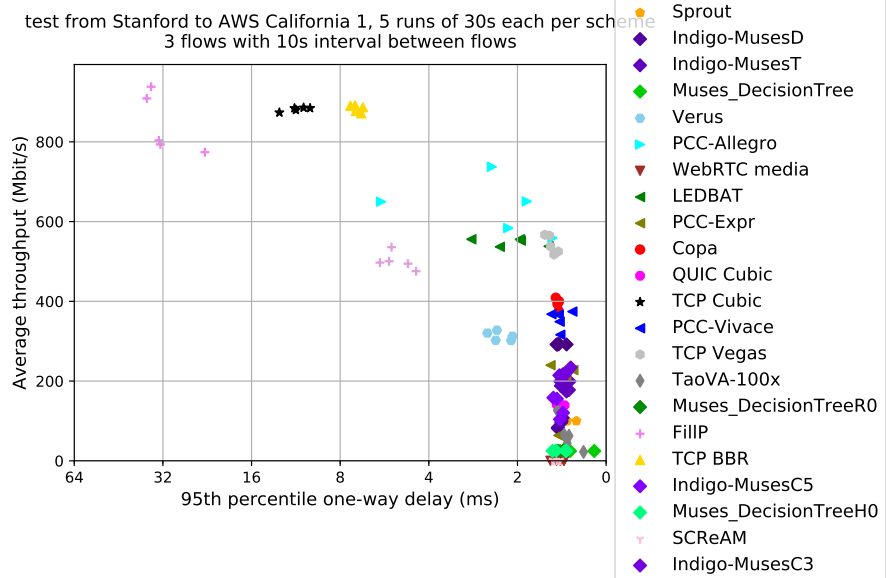
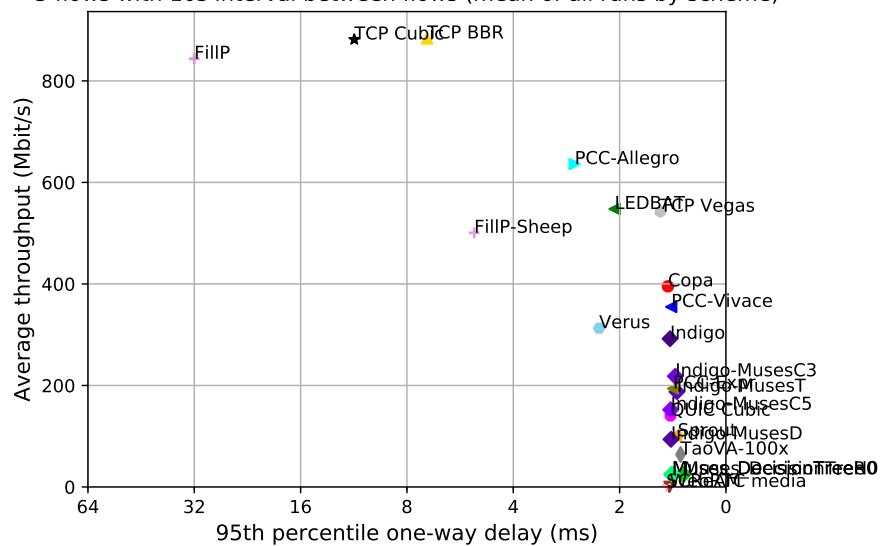
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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)



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	505.35	403.79	328.79	7.05	6.65	6.73	0.02	0.03	0.07
Copa	5	242.81	180.94	96.62	1.13	1.03	1.02	0.00	0.01	0.02
TCP Cubic	5	505.96	403.57	321.16	11.95	7.82	7.75	0.03	0.03	0.08
FillP	5	488.25	424.35	221.26	25.50	34.80	25.21	0.07	0.11	0.16
FillP-Sheep	5	353.35	193.01	57.71	5.63	3.97	2.75	0.00	0.00	0.00
Indigo	5	154.70	144.11	126.57	1.00	1.10	1.13	0.00	0.01	0.02
Indigo-MusesC3	5	164.34	74.35	30.41	0.95	0.96	0.90	0.00	0.00	0.04
Indigo-MusesC5	5	108.40	55.46	35.34	1.02	1.04	0.87	0.01	0.00	0.03
Indigo-MusesD	5	60.96	40.62	28.98	1.03	1.03	1.04	0.00	0.02	0.03
Indigo-MusesT	5	140.18	61.75	35.85	0.92	0.95	0.85	0.00	0.01	0.02
LEDBAT	5	322.25	243.46	191.00	2.56	1.59	1.47	0.00	0.01	0.02
Muses_DecisionTree	5	12.61	12.61	12.00	0.80	0.77	0.73	0.00	0.01	0.01
Muses_DecisionTreeH0	5	12.61	13.18	12.51	1.01	1.01	1.00	0.00	0.01	0.01
Muses_DecisionTreeR0	5	12.88	12.52	12.00	1.01	1.01	1.02	0.01	0.00	0.02
PCC-Allegro	5	502.97	118.24	166.11	3.79	1.37	3.02	0.00	0.01	0.02
PCC-Expr	5	147.37	43.00	54.46	1.00	0.93	1.01	0.01	0.00	0.00
QUIC Cubic	5	76.20	68.18	56.65	1.04	1.05	1.05	0.00	0.01	0.01
SCReAM	5	0.22	0.22	0.22	1.12	1.11	1.12	0.00	0.00	0.14
Sprout	5	50.23	50.13	49.91	0.91	0.90	0.88	0.01	0.01	0.04
TaoVA-100x	5	29.32	25.81	52.90	0.87	0.87	0.81	0.00	0.01	0.01
TCP Vegas	5	287.49	249.60	266.91	1.20	1.31	1.47	0.00	0.01	0.02
Verus	5	185.47	139.27	104.52	2.44	1.81	1.66	0.00	0.01	0.01
PCC-Vivace	5	212.94	156.50	114.32	0.99	1.12	1.12	0.00	0.01	0.03
WebRTC media	5	0.05	0.05	0.05	1.05	1.25	1.11	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-07-18 10:45:01

End at: 2019-07-18 10:45:31

Local clock offset: -1.48 ms

Remote clock offset: 4.621 ms

Below is generated by plot.py at 2019-07-18 13:46:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 877.65 Mbit/s

95th percentile per-packet one-way delay: 7.079 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 500.04 Mbit/s

95th percentile per-packet one-way delay: 7.136 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 402.82 Mbit/s

95th percentile per-packet one-way delay: 6.792 ms

Loss rate: 0.04%

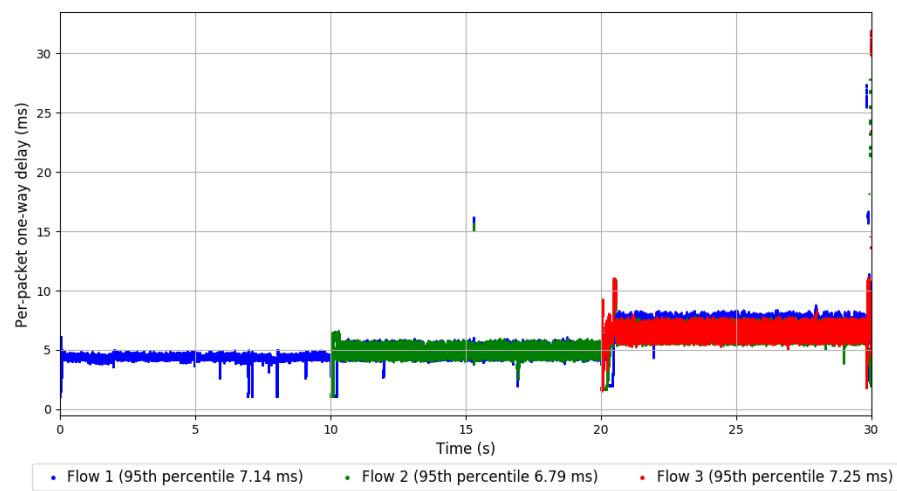
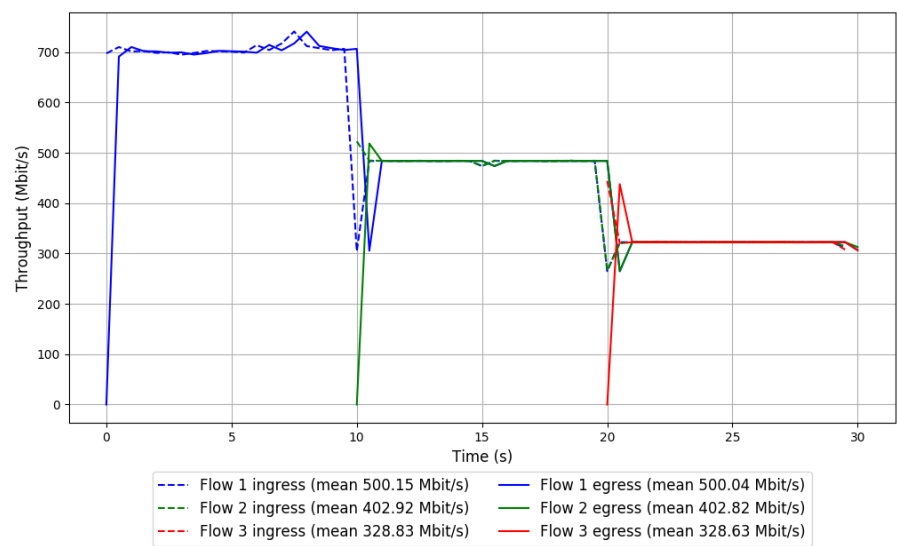
-- Flow 3:

Average throughput: 328.63 Mbit/s

95th percentile per-packet one-way delay: 7.254 ms

Loss rate: 0.08%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-07-18 11:19:18

End at: 2019-07-18 11:19:48

Local clock offset: 5.195 ms

Remote clock offset: 4.486 ms

Below is generated by plot.py at 2019-07-18 13:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 891.66 Mbit/s

95th percentile per-packet one-way delay: 7.121 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 513.05 Mbit/s

95th percentile per-packet one-way delay: 6.876 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 404.22 Mbit/s

95th percentile per-packet one-way delay: 7.128 ms

Loss rate: 0.04%

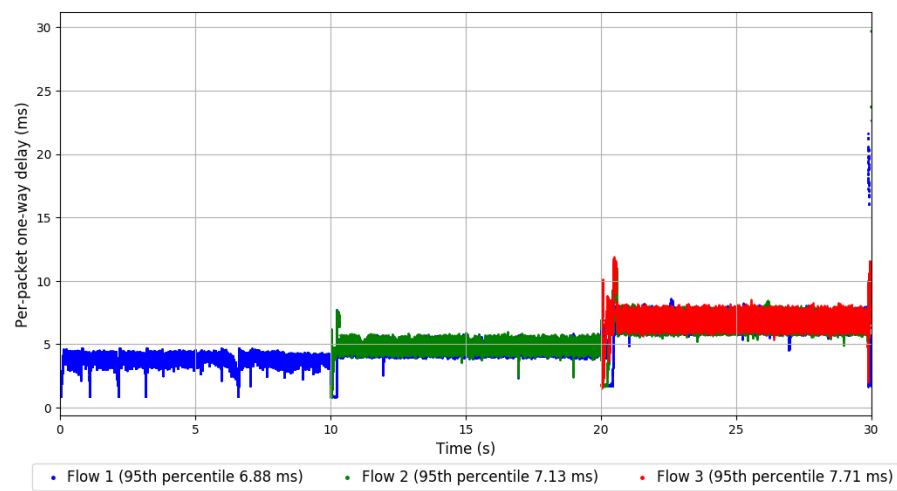
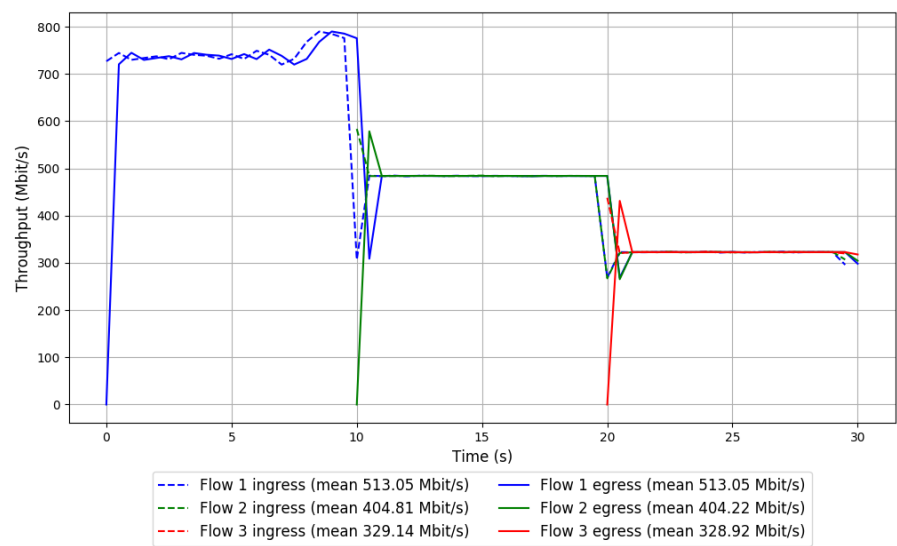
-- Flow 3:

Average throughput: 328.92 Mbit/s

95th percentile per-packet one-way delay: 7.712 ms

Loss rate: 0.09%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-07-18 11:53:41

End at: 2019-07-18 11:54:11

Local clock offset: 4.454 ms

Remote clock offset: 3.516 ms

Below is generated by plot.py at 2019-07-18 13:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 871.66 Mbit/s

95th percentile per-packet one-way delay: 6.788 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 493.25 Mbit/s

95th percentile per-packet one-way delay: 6.919 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 403.82 Mbit/s

95th percentile per-packet one-way delay: 6.242 ms

Loss rate: 0.03%

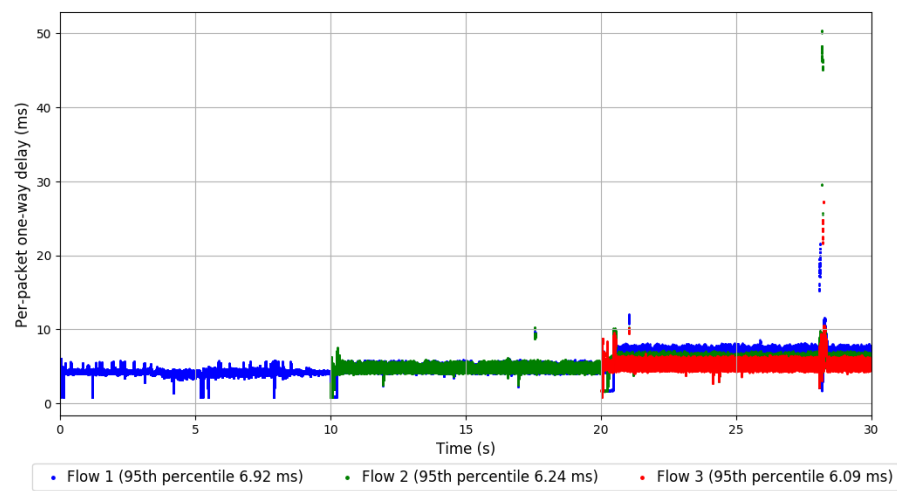
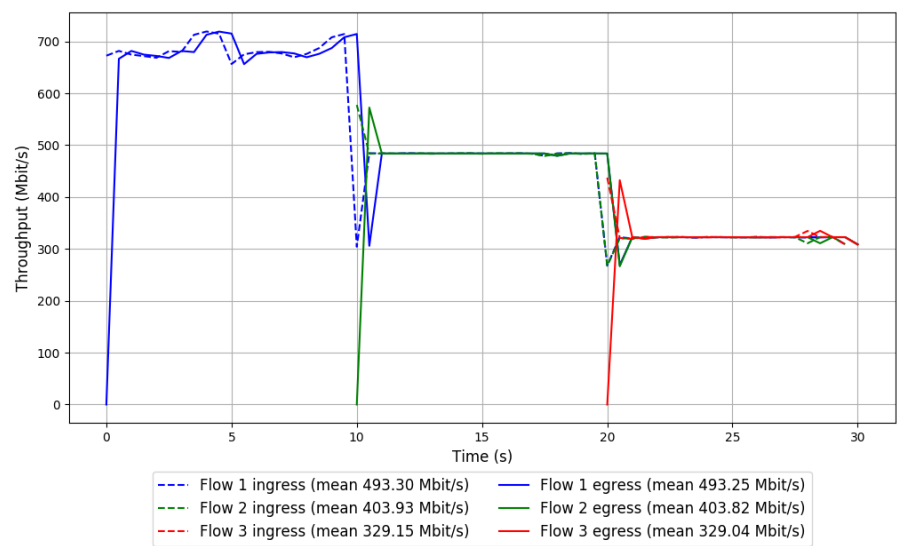
-- Flow 3:

Average throughput: 329.04 Mbit/s

95th percentile per-packet one-way delay: 6.095 ms

Loss rate: 0.06%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-07-18 12:27:49

End at: 2019-07-18 12:28:19

Local clock offset: 2.777 ms

Remote clock offset: 3.224 ms

Below is generated by plot.py at 2019-07-18 13:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 890.50 Mbit/s

95th percentile per-packet one-way delay: 7.386 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 511.70 Mbit/s

95th percentile per-packet one-way delay: 7.565 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 404.52 Mbit/s

95th percentile per-packet one-way delay: 6.433 ms

Loss rate: 0.03%

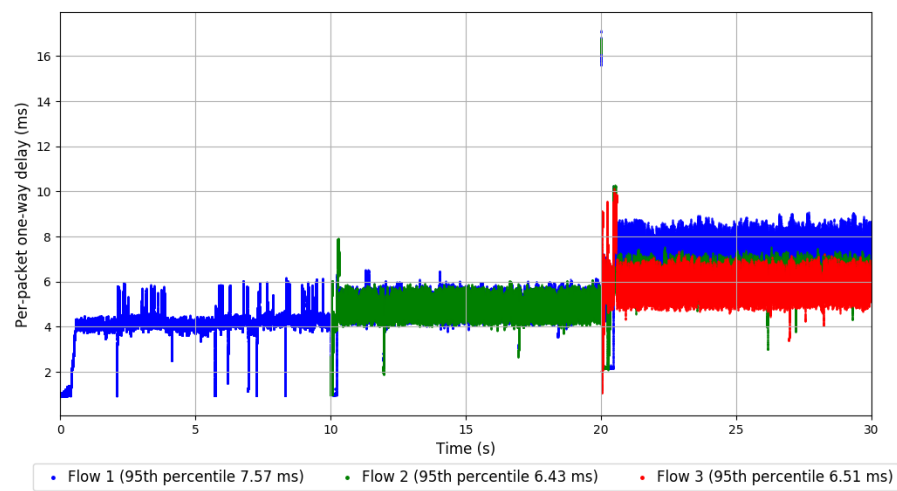
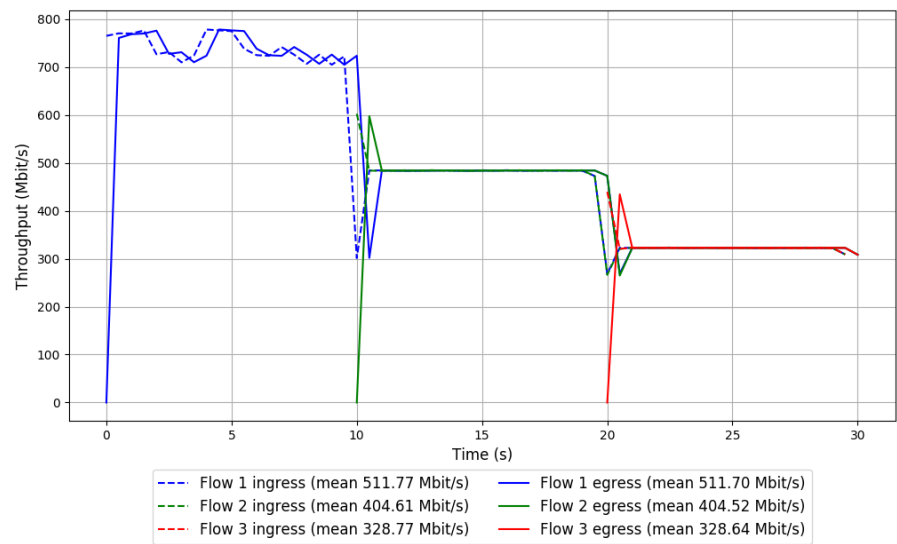
-- Flow 3:

Average throughput: 328.64 Mbit/s

95th percentile per-packet one-way delay: 6.506 ms

Loss rate: 0.07%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-07-18 13:02:19

End at: 2019-07-18 13:02:49

Local clock offset: 0.352 ms

Remote clock offset: 3.331 ms

Below is generated by plot.py at 2019-07-18 13:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 886.72 Mbit/s

95th percentile per-packet one-way delay: 6.697 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 508.70 Mbit/s

95th percentile per-packet one-way delay: 6.753 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 403.56 Mbit/s

95th percentile per-packet one-way delay: 6.664 ms

Loss rate: 0.02%

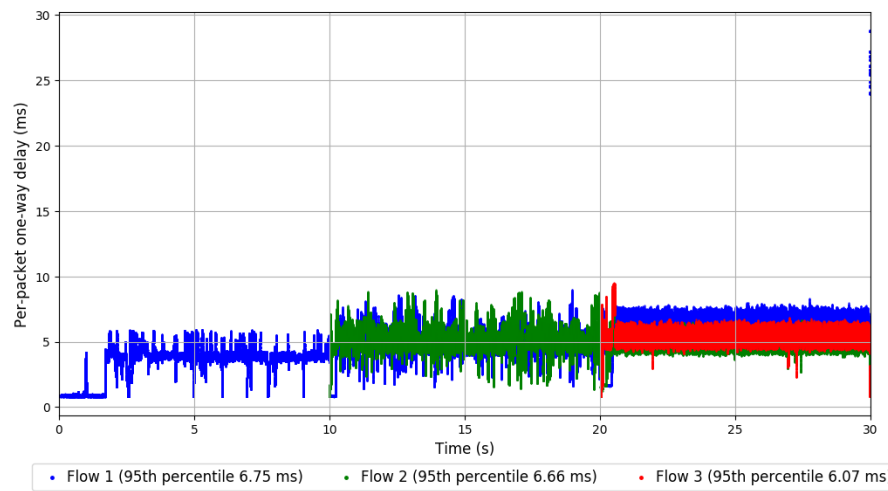
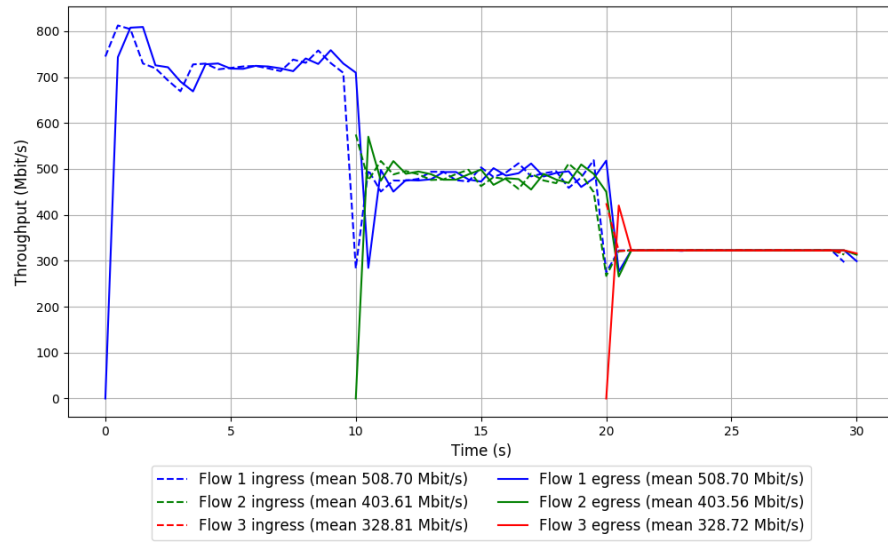
-- Flow 3:

Average throughput: 328.72 Mbit/s

95th percentile per-packet one-way delay: 6.066 ms

Loss rate: 0.05%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-07-18 10:52:10

End at: 2019-07-18 10:52:40

Local clock offset: -2.2 ms

Remote clock offset: 4.869 ms

Below is generated by plot.py at 2019-07-18 13:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.71 Mbit/s

95th percentile per-packet one-way delay: 1.097 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 246.61 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 173.52 Mbit/s

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

Loss rate: 0.00%

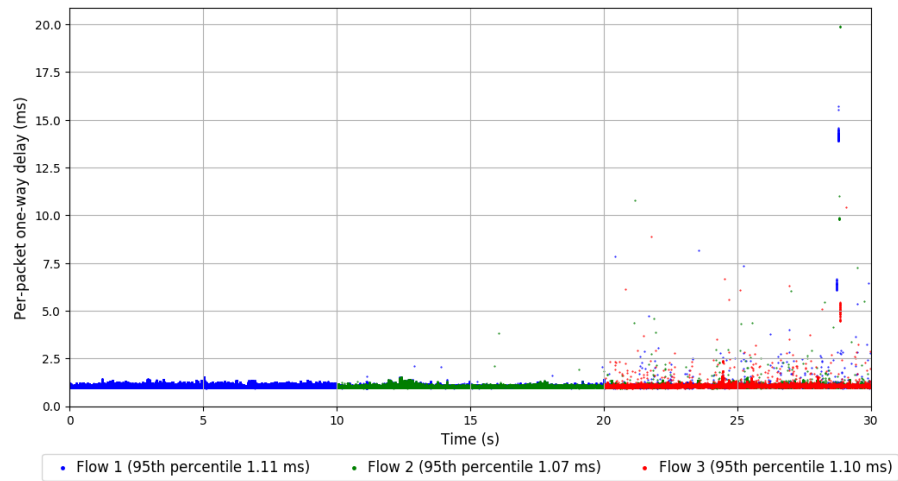
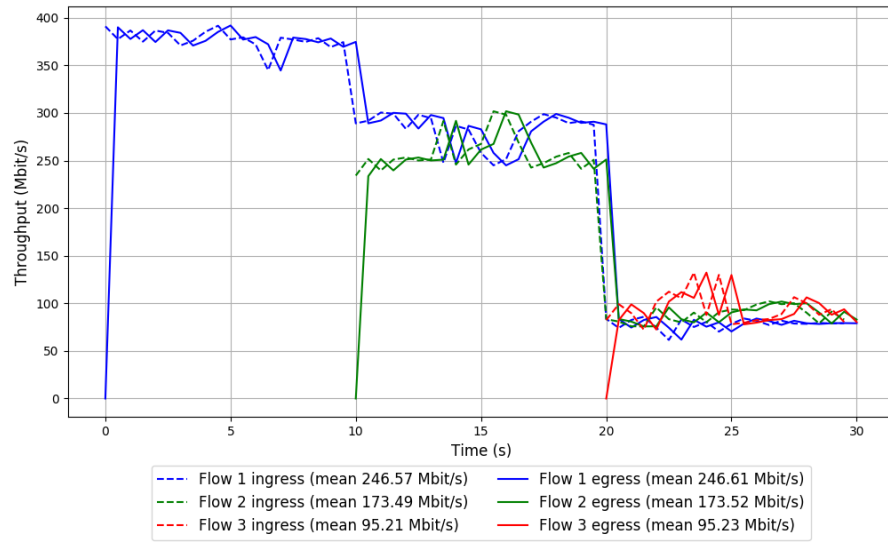
-- Flow 3:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 1.099 ms

Loss rate: 0.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-07-18 11:26:25

End at: 2019-07-18 11:26:55

Local clock offset: 5.418 ms

Remote clock offset: 4.737 ms

Below is generated by plot.py at 2019-07-18 13:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.89 Mbit/s

95th percentile per-packet one-way delay: 1.063 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 250.60 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 177.27 Mbit/s

95th percentile per-packet one-way delay: 1.039 ms

Loss rate: 0.01%

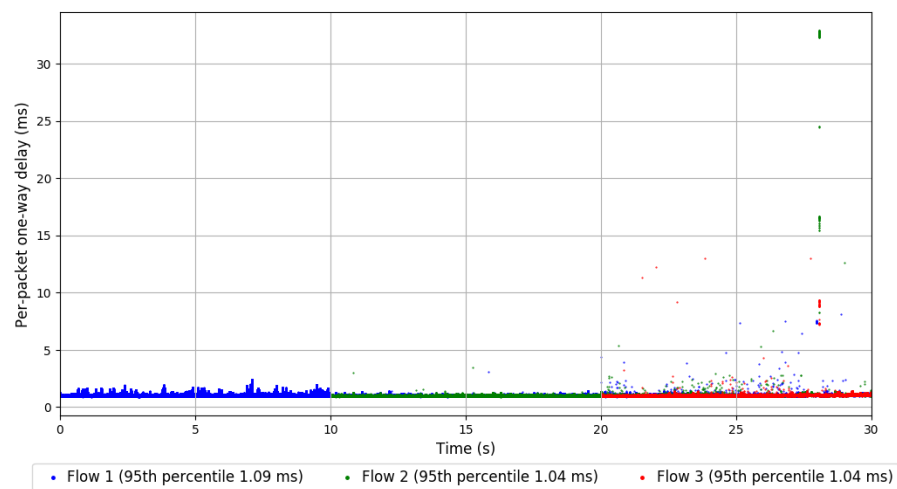
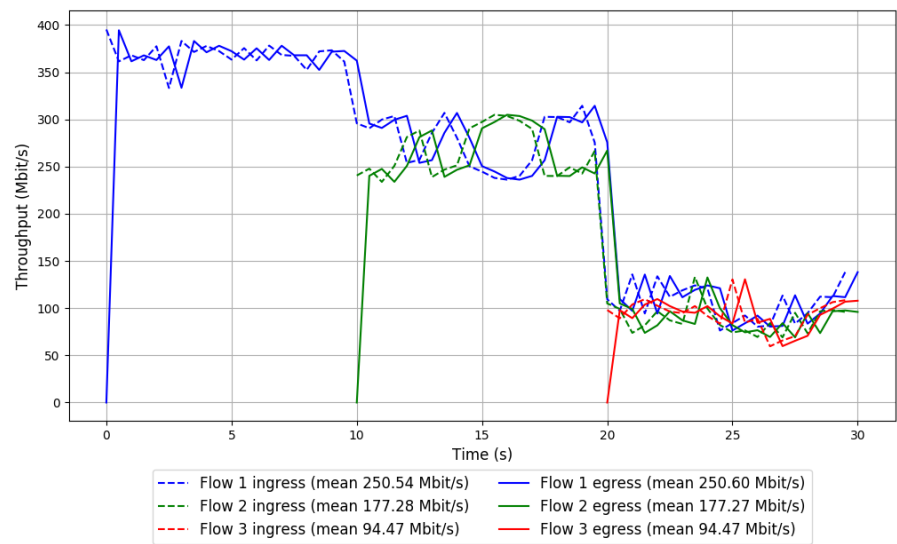
-- Flow 3:

Average throughput: 94.47 Mbit/s

95th percentile per-packet one-way delay: 1.044 ms

Loss rate: 0.04%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-07-18 12:00:49

End at: 2019-07-18 12:01:19

Local clock offset: 3.992 ms

Remote clock offset: 3.458 ms

Below is generated by plot.py at 2019-07-18 13:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.24 Mbit/s

95th percentile per-packet one-way delay: 1.068 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 228.85 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 174.84 Mbit/s

95th percentile per-packet one-way delay: 1.071 ms

Loss rate: 0.00%

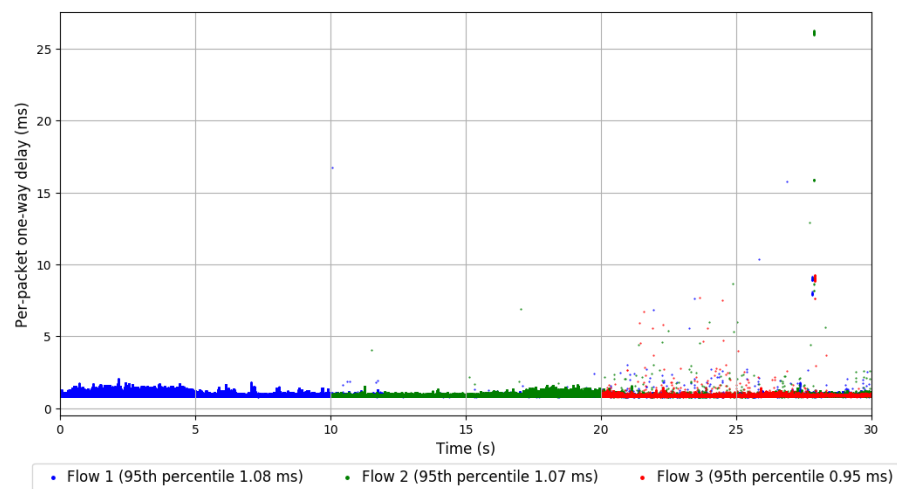
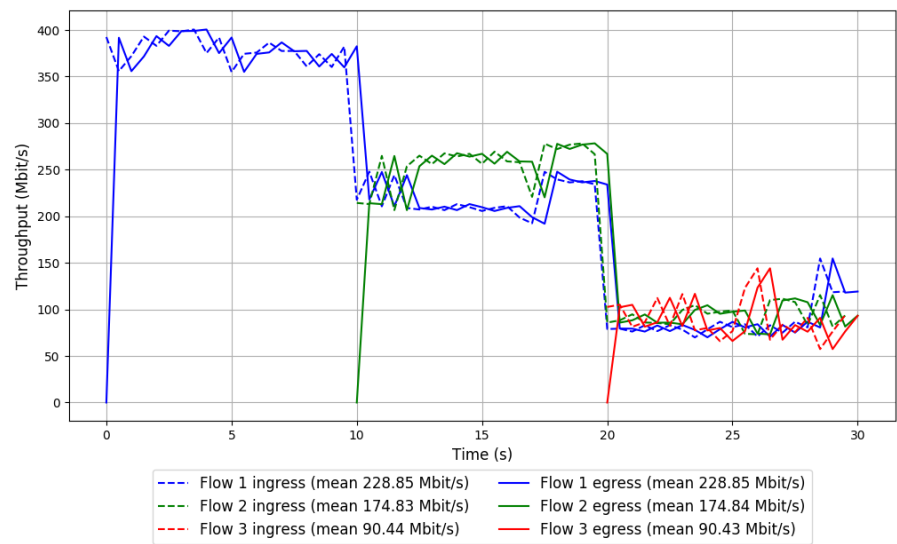
-- Flow 3:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 0.952 ms

Loss rate: 0.04%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-07-18 12:34:56

End at: 2019-07-18 12:35:26

Local clock offset: 1.535 ms

Remote clock offset: 3.075 ms

Below is generated by plot.py at 2019-07-18 13:53:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 409.01 Mbit/s

95th percentile per-packet one-way delay: 1.135 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 245.76 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 193.69 Mbit/s

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

Loss rate: 0.01%

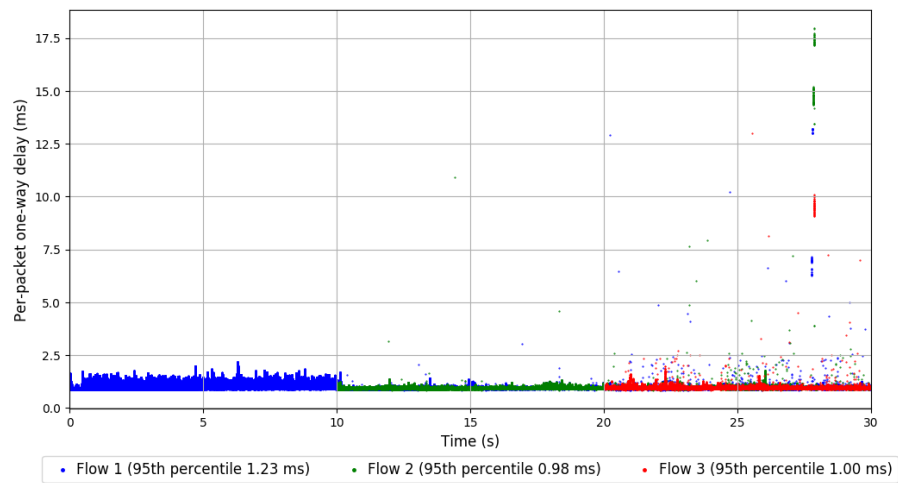
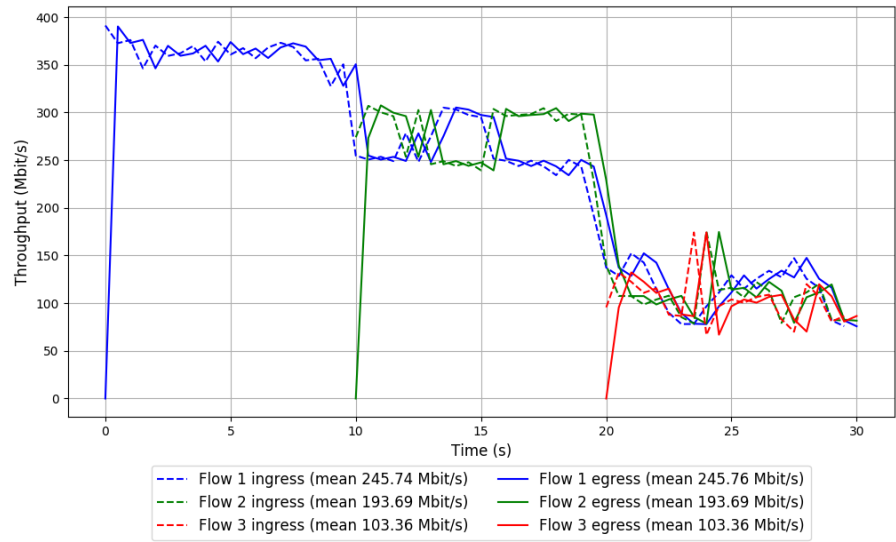
-- Flow 3:

Average throughput: 103.36 Mbit/s

95th percentile per-packet one-way delay: 1.002 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-07-18 13:09:27

End at: 2019-07-18 13:09:57

Local clock offset: 0.308 ms

Remote clock offset: 3.104 ms

Below is generated by plot.py at 2019-07-18 13:54:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 398.67 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 242.24 Mbit/s

95th percentile per-packet one-way delay: 1.133 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 185.36 Mbit/s

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

Loss rate: 0.01%

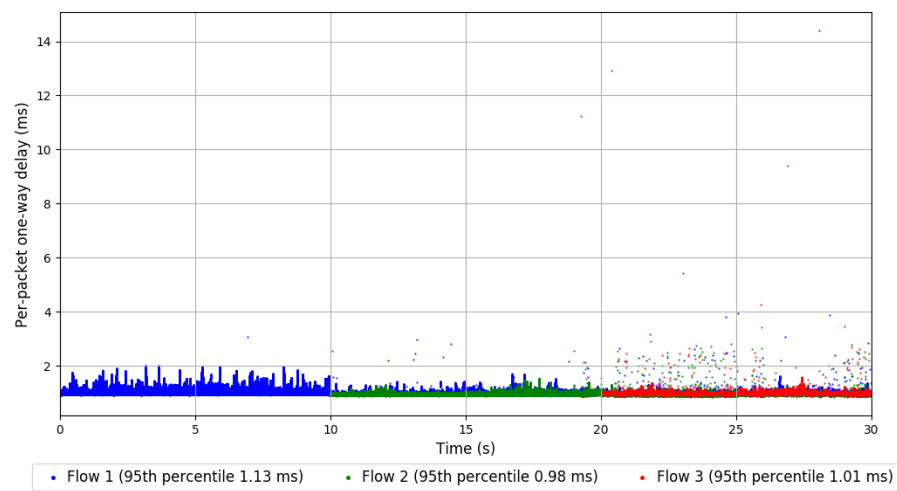
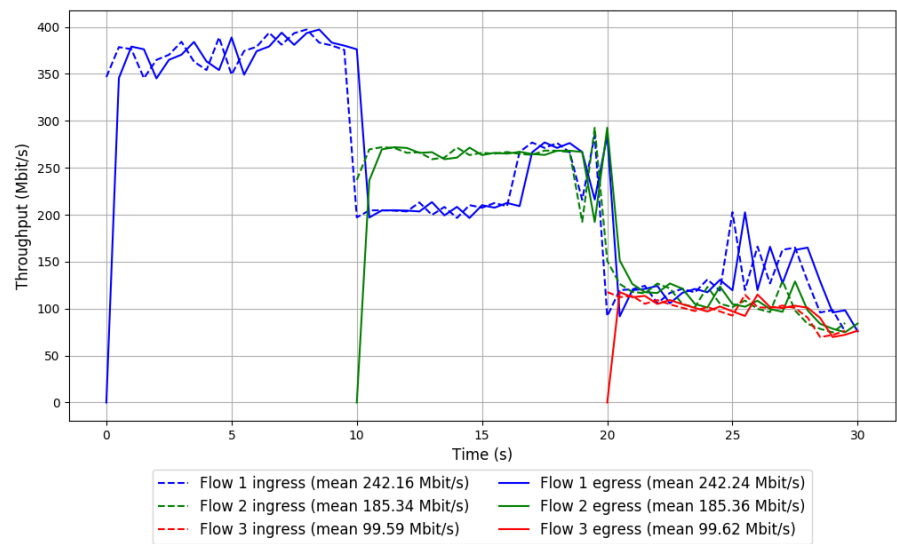
-- Flow 3:

Average throughput: 99.62 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-07-18 11:07:39

End at: 2019-07-18 11:08:09

Local clock offset: 3.413 ms

Remote clock offset: 4.37 ms

Below is generated by plot.py at 2019-07-18 13:55:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 884.53 Mbit/s

95th percentile per-packet one-way delay: 10.123 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 509.49 Mbit/s

95th percentile per-packet one-way delay: 10.646 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 402.58 Mbit/s

95th percentile per-packet one-way delay: 7.324 ms

Loss rate: 0.03%

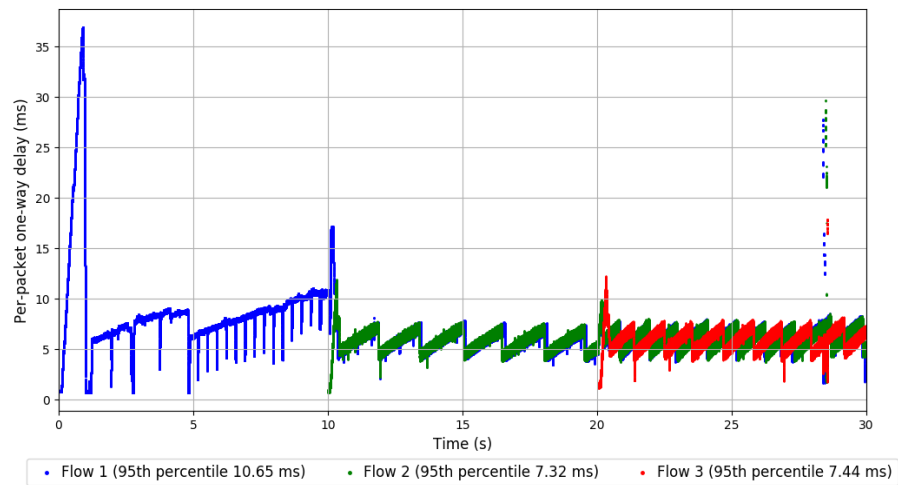
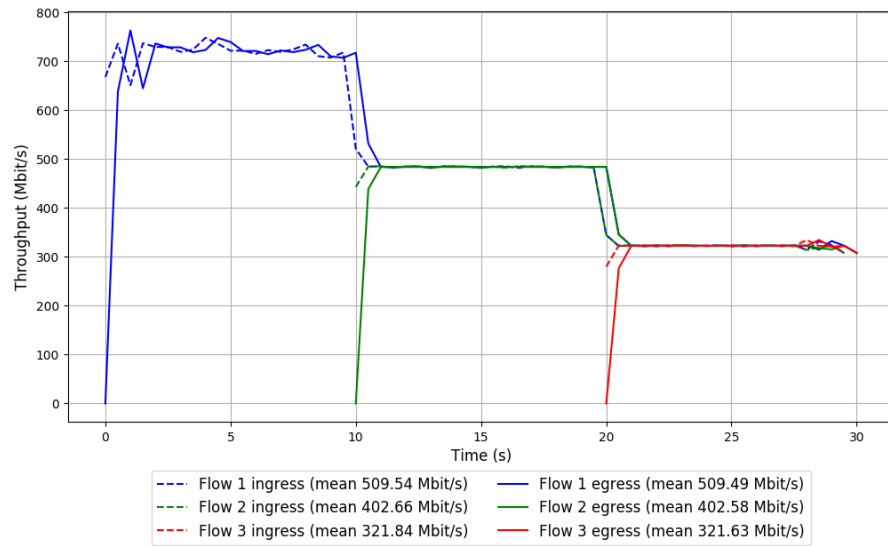
-- Flow 3:

Average throughput: 321.63 Mbit/s

95th percentile per-packet one-way delay: 7.436 ms

Loss rate: 0.09%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-07-18 11:41:55

End at: 2019-07-18 11:42:25

Local clock offset: 4.377 ms

Remote clock offset: 3.796 ms

Below is generated by plot.py at 2019-07-18 13:56:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 879.87 Mbit/s

95th percentile per-packet one-way delay: 11.307 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 505.16 Mbit/s

95th percentile per-packet one-way delay: 11.870 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 402.45 Mbit/s

95th percentile per-packet one-way delay: 7.515 ms

Loss rate: 0.02%

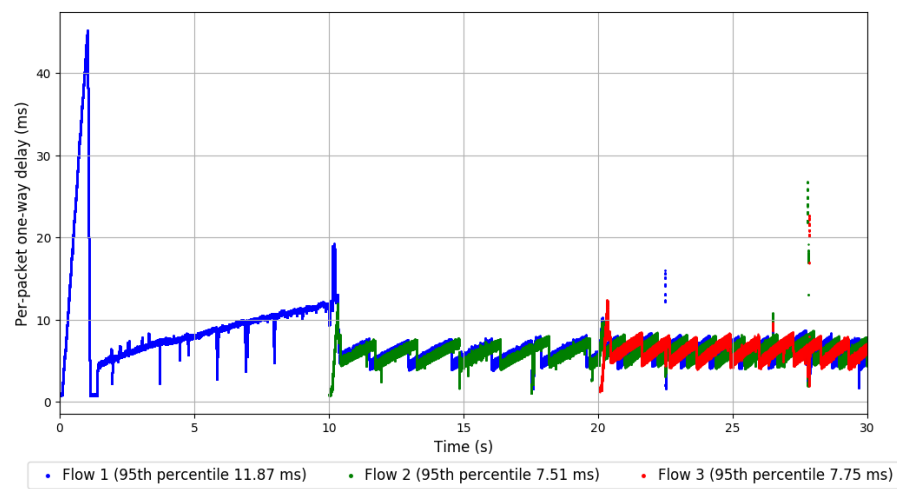
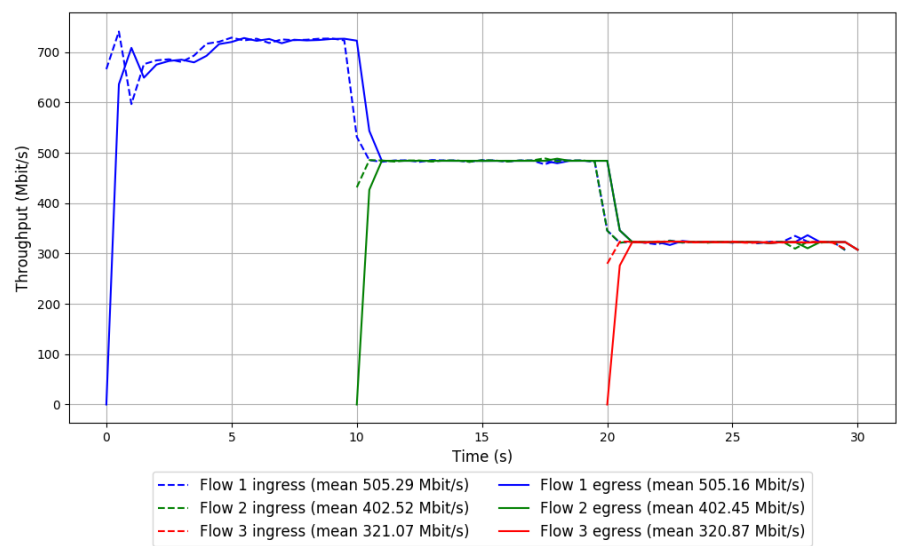
-- Flow 3:

Average throughput: 320.87 Mbit/s

95th percentile per-packet one-way delay: 7.746 ms

Loss rate: 0.08%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-07-18 12:16:07

End at: 2019-07-18 12:16:37

Local clock offset: 3.662 ms

Remote clock offset: 3.308 ms

Below is generated by plot.py at 2019-07-18 13:56:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 873.45 Mbit/s

95th percentile per-packet one-way delay: 12.868 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 498.61 Mbit/s

95th percentile per-packet one-way delay: 13.876 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 402.55 Mbit/s

95th percentile per-packet one-way delay: 7.644 ms

Loss rate: 0.03%

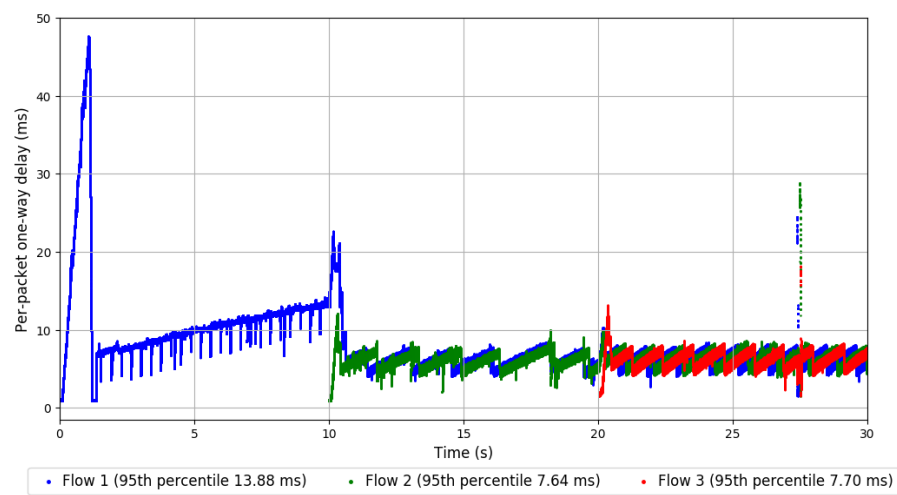
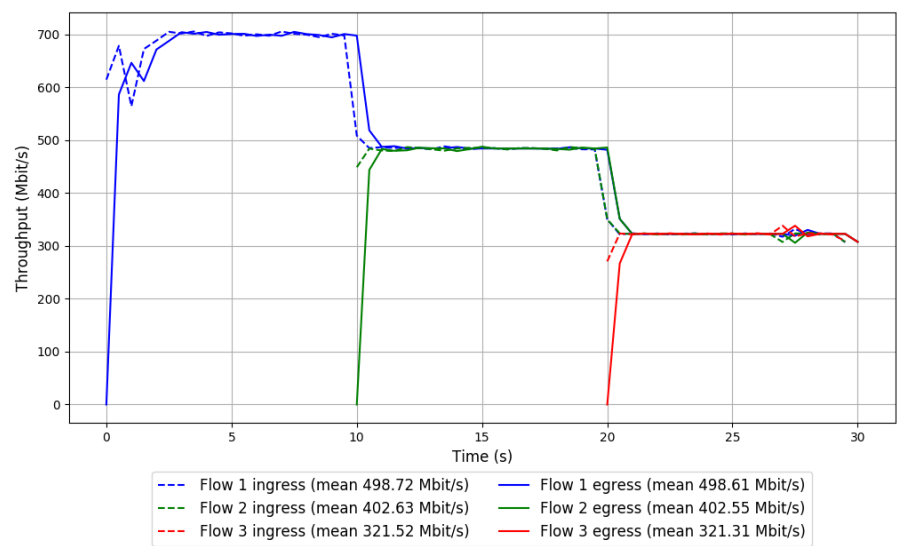
-- Flow 3:

Average throughput: 321.31 Mbit/s

95th percentile per-packet one-way delay: 7.701 ms

Loss rate: 0.08%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-07-18 12:50:33

End at: 2019-07-18 12:51:03

Local clock offset: 0.392 ms

Remote clock offset: 3.23 ms

Below is generated by plot.py at 2019-07-18 13:57:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 884.31 Mbit/s

95th percentile per-packet one-way delay: 11.436 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 506.58 Mbit/s

95th percentile per-packet one-way delay: 12.331 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 407.14 Mbit/s

95th percentile per-packet one-way delay: 7.842 ms

Loss rate: 0.03%

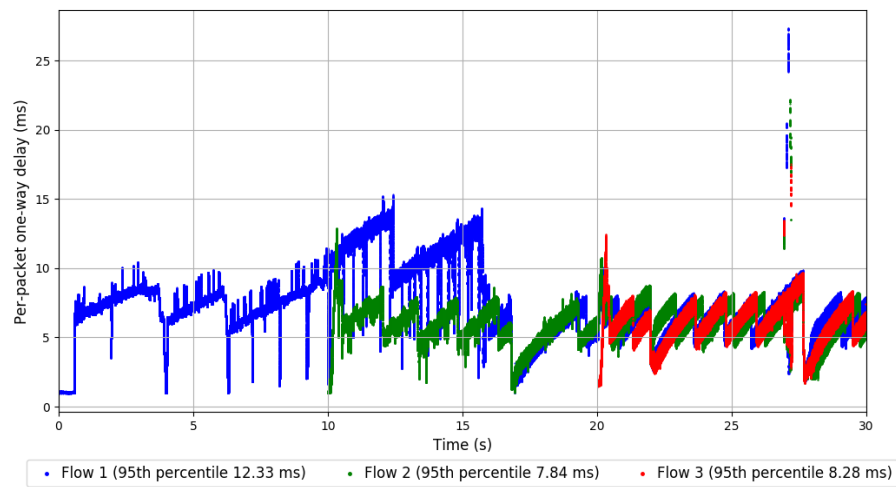
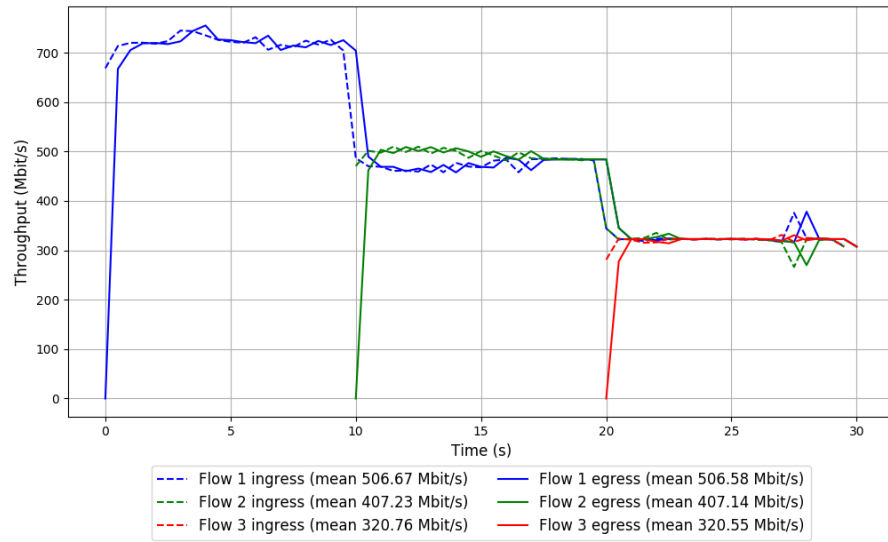
-- Flow 3:

Average throughput: 320.55 Mbit/s

95th percentile per-packet one-way delay: 8.277 ms

Loss rate: 0.07%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-07-18 13:24:57

End at: 2019-07-18 13:25:27

Local clock offset: 0.022 ms

Remote clock offset: 0.469 ms

Below is generated by plot.py at 2019-07-18 13:57:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 885.63 Mbit/s

95th percentile per-packet one-way delay: 10.650 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 509.96 Mbit/s

95th percentile per-packet one-way delay: 11.026 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 403.11 Mbit/s

95th percentile per-packet one-way delay: 8.791 ms

Loss rate: 0.03%

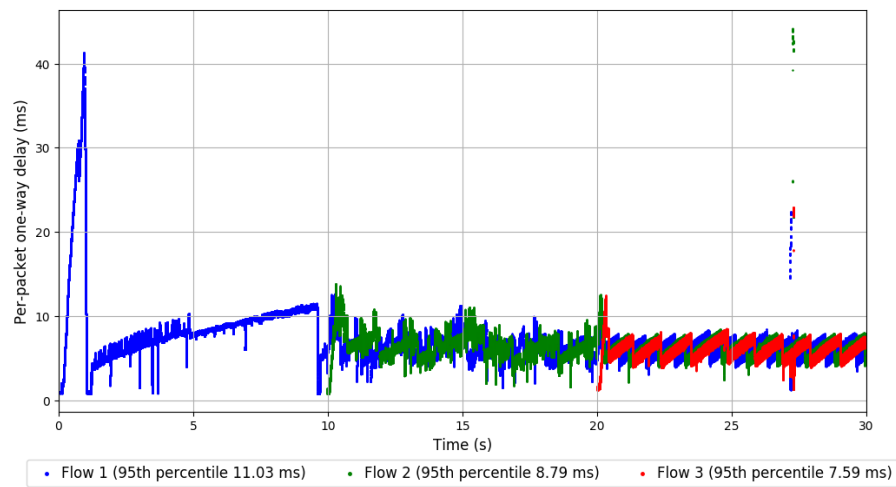
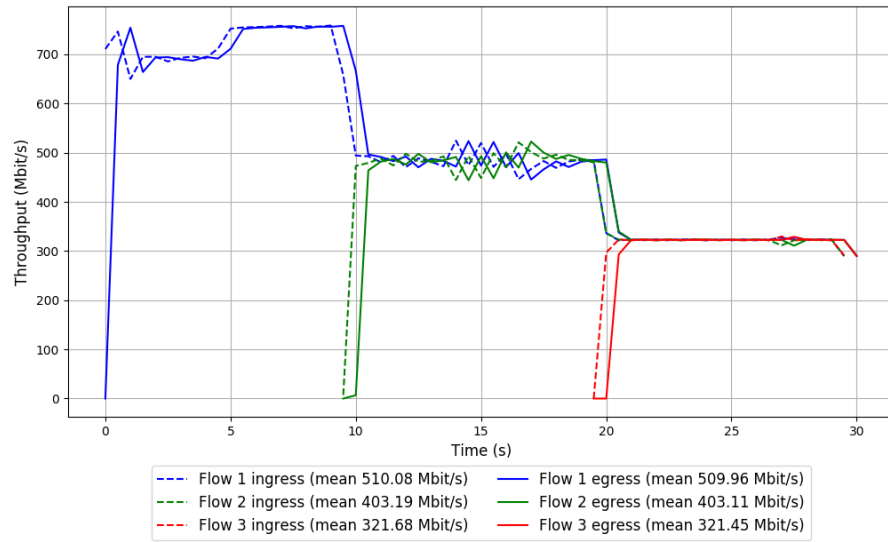
-- Flow 3:

Average throughput: 321.45 Mbit/s

95th percentile per-packet one-way delay: 7.586 ms

Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-07-18 10:37:53

End at: 2019-07-18 10:38:23

Local clock offset: -0.244 ms

Remote clock offset: 4.465 ms

Below is generated by plot.py at 2019-07-18 13:58:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 803.55 Mbit/s

95th percentile per-packet one-way delay: 33.022 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 413.86 Mbit/s

95th percentile per-packet one-way delay: 20.708 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 430.17 Mbit/s

95th percentile per-packet one-way delay: 36.076 ms

Loss rate: 0.24%

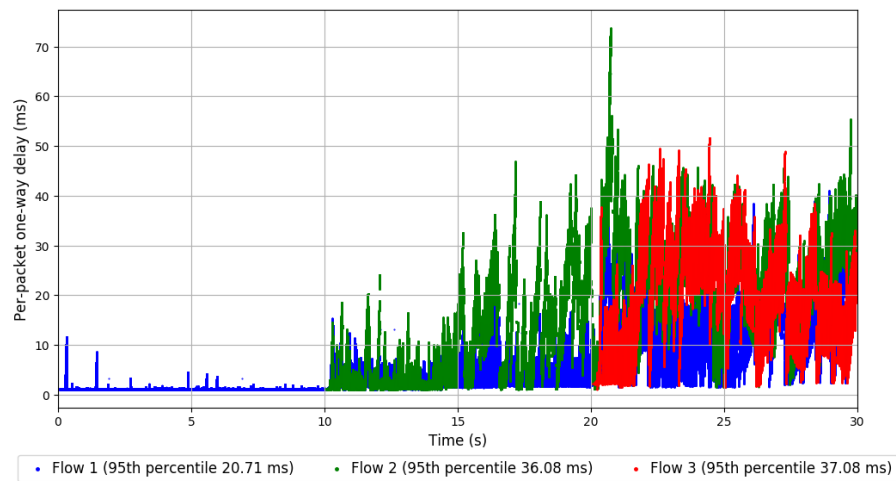
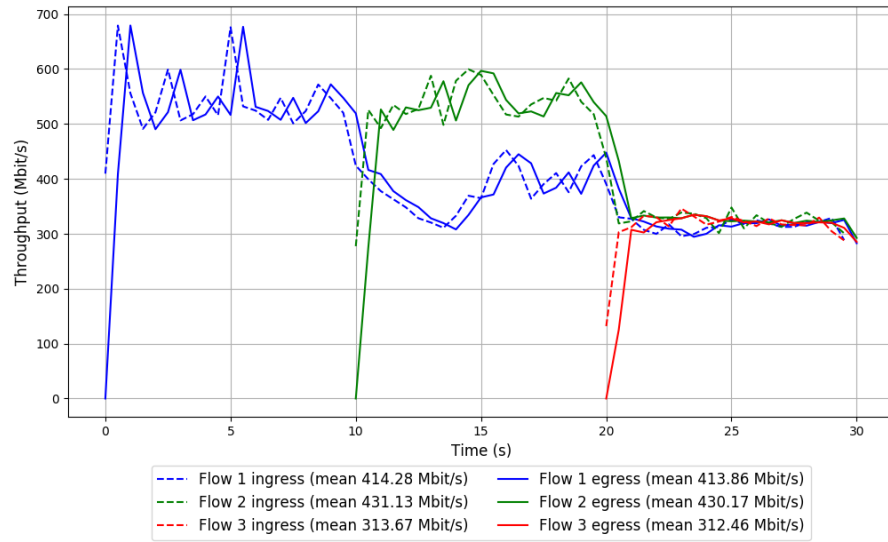
-- Flow 3:

Average throughput: 312.46 Mbit/s

95th percentile per-packet one-way delay: 37.081 ms

Loss rate: 0.27%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-07-18 11:12:12

End at: 2019-07-18 11:12:42

Local clock offset: 4.351 ms

Remote clock offset: 4.402 ms

Below is generated by plot.py at 2019-07-18 14:04:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 774.06 Mbit/s

95th percentile per-packet one-way delay: 23.043 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 446.60 Mbit/s

95th percentile per-packet one-way delay: 11.652 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 446.19 Mbit/s

95th percentile per-packet one-way delay: 29.382 ms

Loss rate: 0.01%

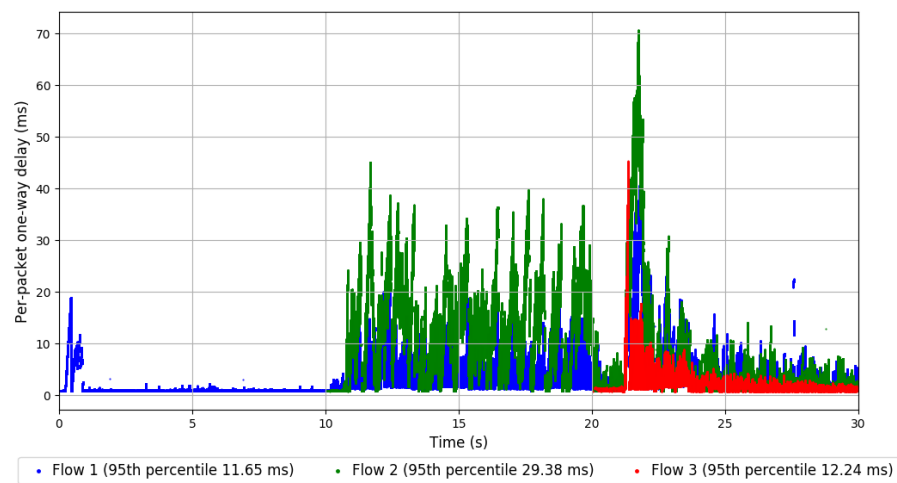
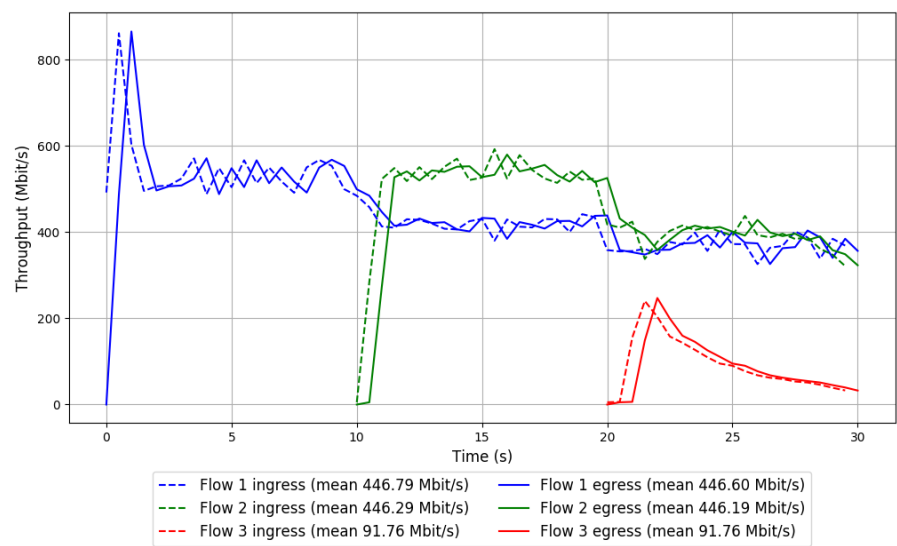
-- Flow 3:

Average throughput: 91.76 Mbit/s

95th percentile per-packet one-way delay: 12.239 ms

Loss rate: 0.01%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-07-18 11:46:29

End at: 2019-07-18 11:46:59

Local clock offset: 4.372 ms

Remote clock offset: 3.601 ms

Below is generated by plot.py at 2019-07-18 14:07:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 938.20 Mbit/s

95th percentile per-packet one-way delay: 35.082 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 578.75 Mbit/s

95th percentile per-packet one-way delay: 34.854 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 386.61 Mbit/s

95th percentile per-packet one-way delay: 37.343 ms

Loss rate: 0.09%

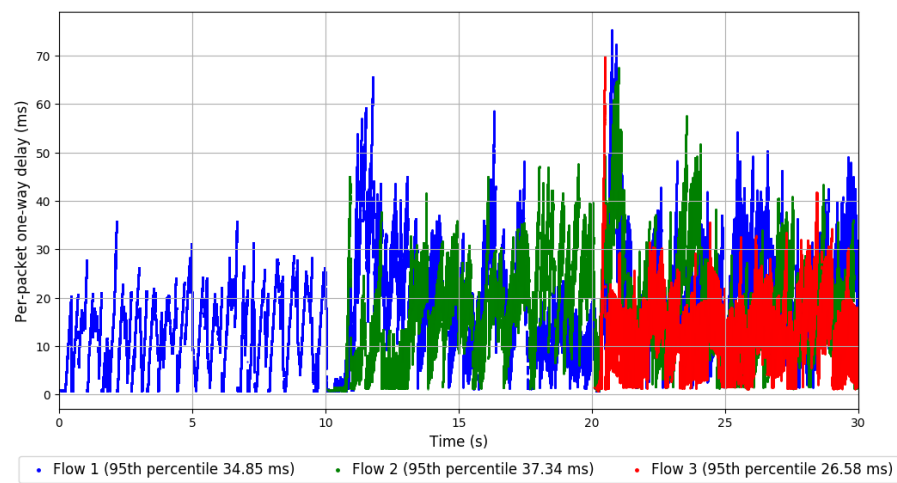
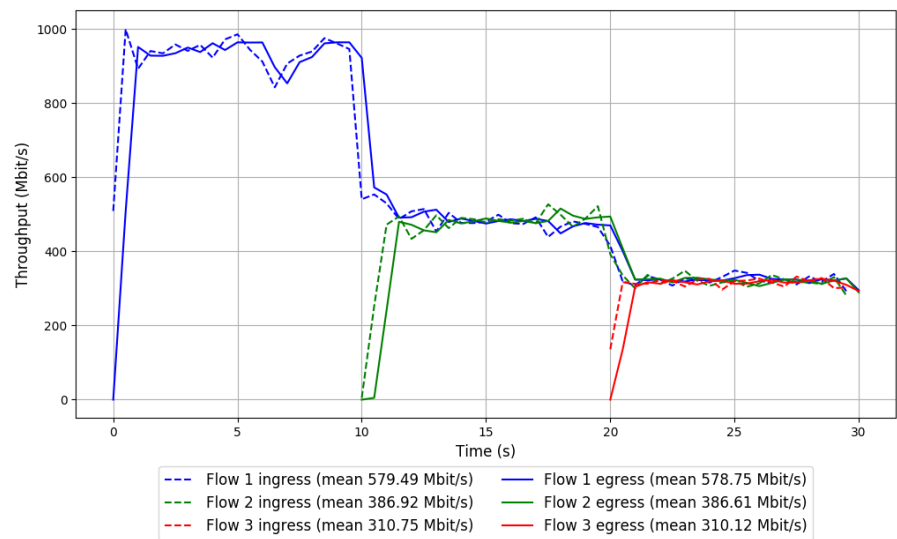
-- Flow 3:

Average throughput: 310.12 Mbit/s

95th percentile per-packet one-way delay: 26.582 ms

Loss rate: 0.20%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-07-18 12:20:40

End at: 2019-07-18 12:21:10

Local clock offset: 3.663 ms

Remote clock offset: 3.203 ms

Below is generated by plot.py at 2019-07-18 14:07:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 793.42 Mbit/s

95th percentile per-packet one-way delay: 32.646 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 410.22 Mbit/s

95th percentile per-packet one-way delay: 22.859 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 428.76 Mbit/s

95th percentile per-packet one-way delay: 36.930 ms

Loss rate: 0.18%

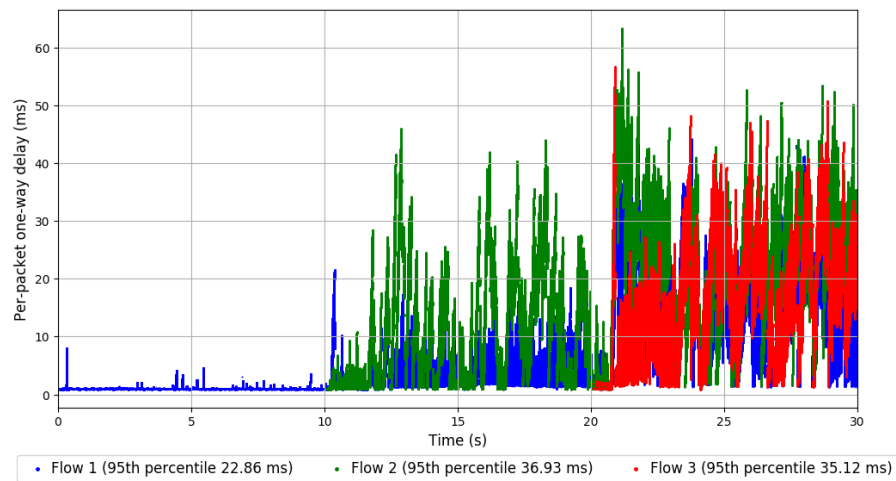
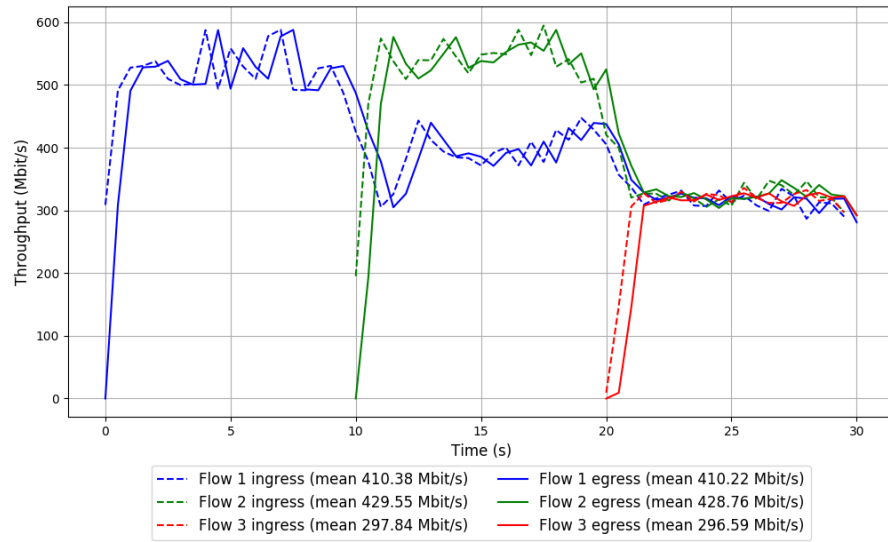
-- Flow 3:

Average throughput: 296.59 Mbit/s

95th percentile per-packet one-way delay: 35.124 ms

Loss rate: 0.33%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-07-18 12:55:07

End at: 2019-07-18 12:55:37

Local clock offset: 0.188 ms

Remote clock offset: 3.259 ms

Below is generated by plot.py at 2019-07-18 14:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 908.83 Mbit/s

95th percentile per-packet one-way delay: 36.296 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 591.84 Mbit/s

95th percentile per-packet one-way delay: 37.422 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 430.02 Mbit/s

95th percentile per-packet one-way delay: 34.254 ms

Loss rate: 0.05%

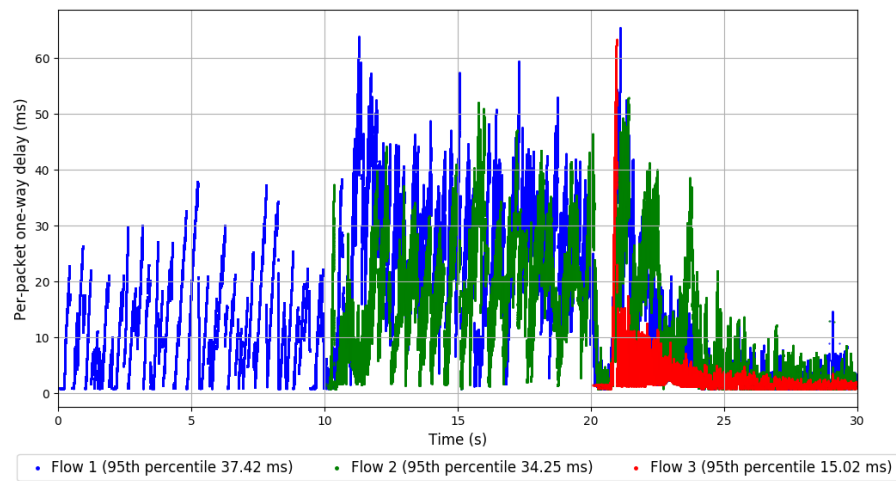
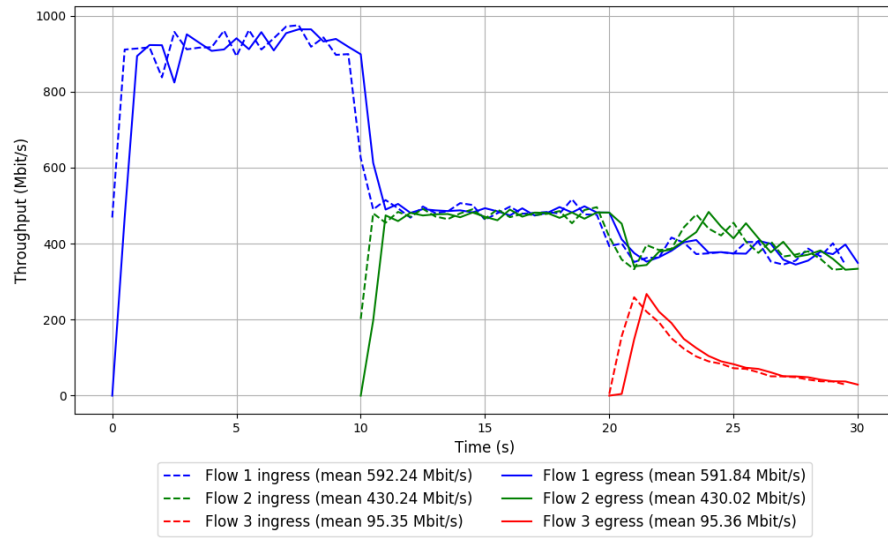
-- Flow 3:

Average throughput: 95.36 Mbit/s

95th percentile per-packet one-way delay: 15.023 ms

Loss rate: 0.01%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-07-18 10:56:21

End at: 2019-07-18 10:56:51

Local clock offset: -1.427 ms

Remote clock offset: 4.882 ms

Below is generated by plot.py at 2019-07-18 14:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 475.56 Mbit/s

95th percentile per-packet one-way delay: 4.419 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 335.58 Mbit/s

95th percentile per-packet one-way delay: 4.952 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 193.22 Mbit/s

95th percentile per-packet one-way delay: 2.974 ms

Loss rate: 0.00%

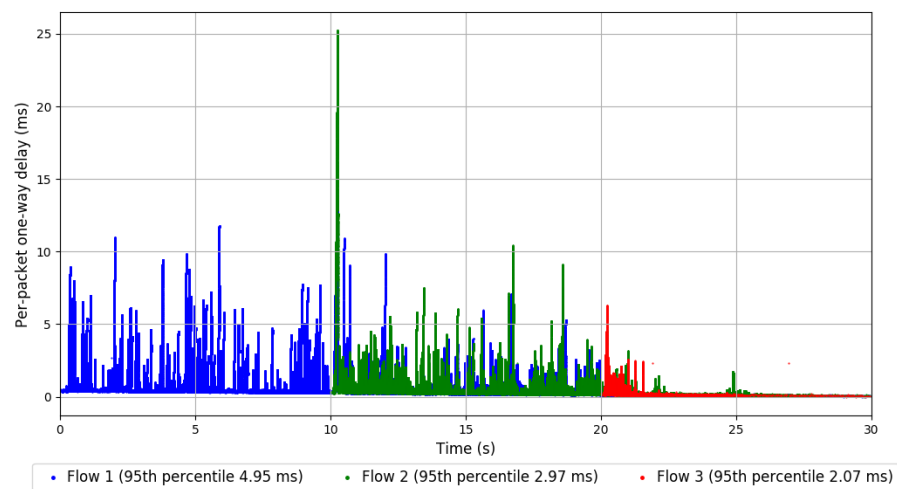
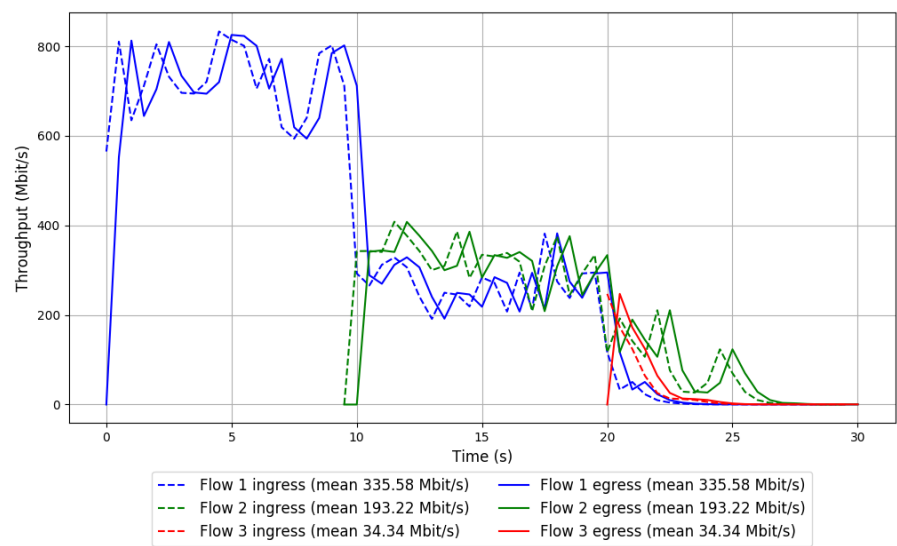
-- Flow 3:

Average throughput: 34.34 Mbit/s

95th percentile per-packet one-way delay: 2.070 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-07-18 11:30:35

End at: 2019-07-18 11:31:05

Local clock offset: 4.877 ms

Remote clock offset: 4.541 ms

Below is generated by plot.py at 2019-07-18 14:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 500.58 Mbit/s

95th percentile per-packet one-way delay: 5.458 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 336.96 Mbit/s

95th percentile per-packet one-way delay: 6.205 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 181.75 Mbit/s

95th percentile per-packet one-way delay: 4.620 ms

Loss rate: 0.00%

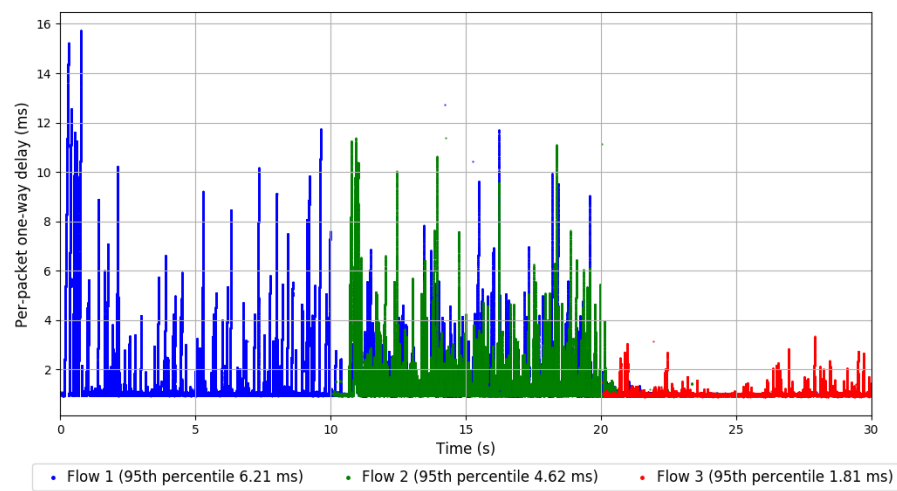
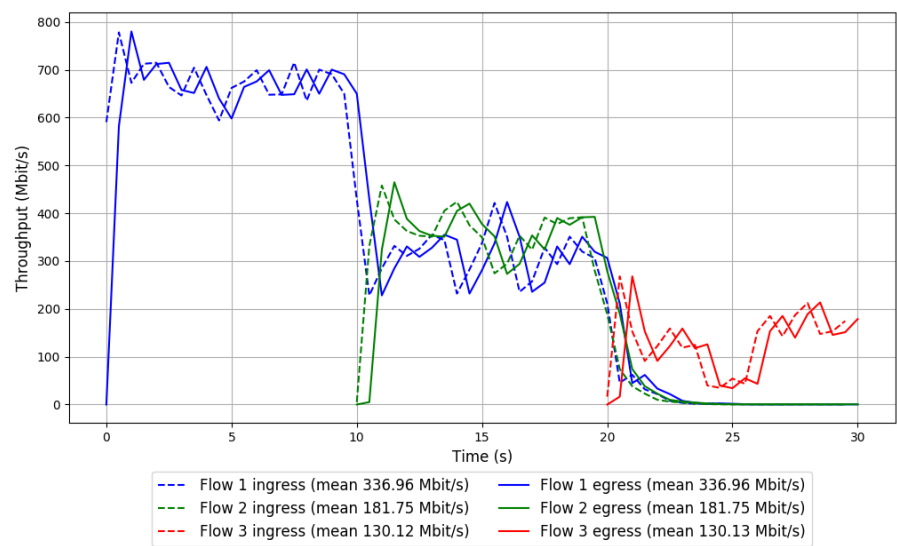
-- Flow 3:

Average throughput: 130.13 Mbit/s

95th percentile per-packet one-way delay: 1.808 ms

Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-07-18 12:04:59

End at: 2019-07-18 12:05:29

Local clock offset: 3.848 ms

Remote clock offset: 3.352 ms

Below is generated by plot.py at 2019-07-18 14:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 497.07 Mbit/s

95th percentile per-packet one-way delay: 5.865 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 359.40 Mbit/s

95th percentile per-packet one-way delay: 6.501 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 196.29 Mbit/s

95th percentile per-packet one-way delay: 4.145 ms

Loss rate: 0.00%

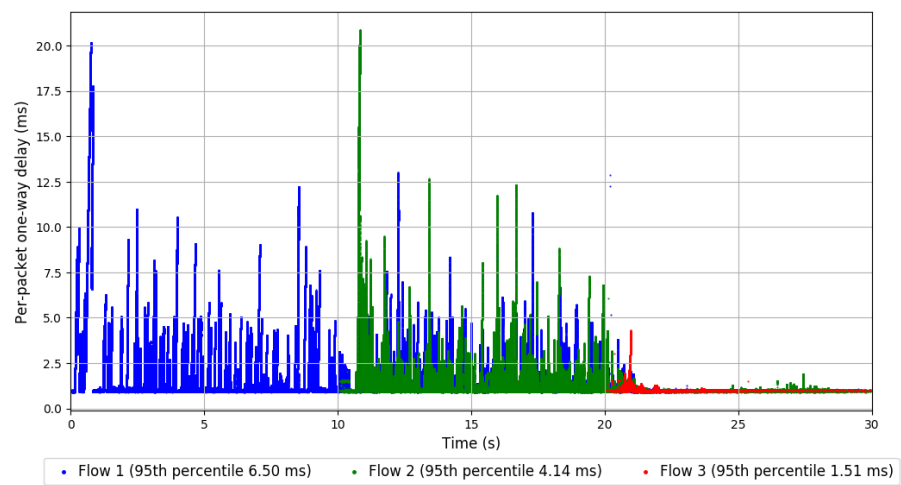
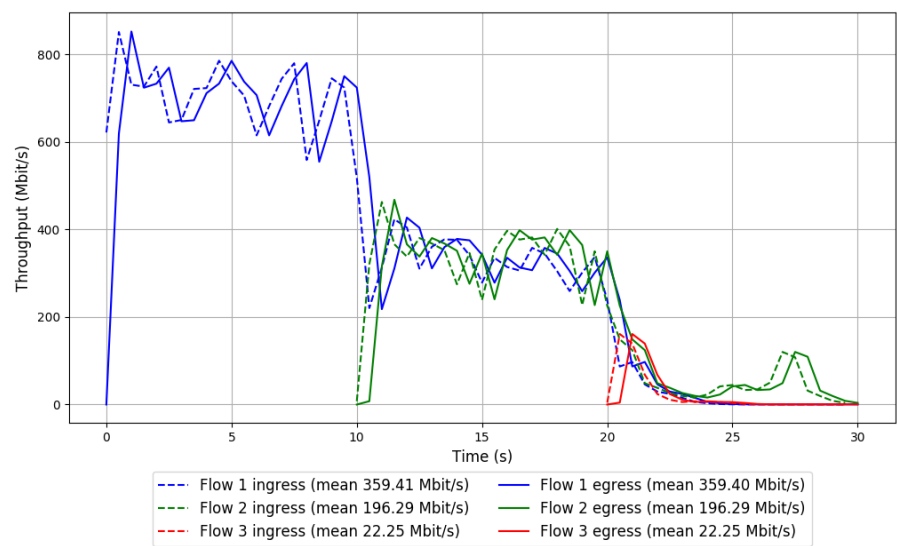
-- Flow 3:

Average throughput: 22.25 Mbit/s

95th percentile per-packet one-way delay: 1.507 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-07-18 12:39:08

End at: 2019-07-18 12:39:38

Local clock offset: 1.112 ms

Remote clock offset: 3.149 ms

Below is generated by plot.py at 2019-07-18 14:09:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 494.44 Mbit/s

95th percentile per-packet one-way delay: 4.708 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 368.40 Mbit/s

95th percentile per-packet one-way delay: 4.891 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 172.36 Mbit/s

95th percentile per-packet one-way delay: 3.949 ms

Loss rate: 0.00%

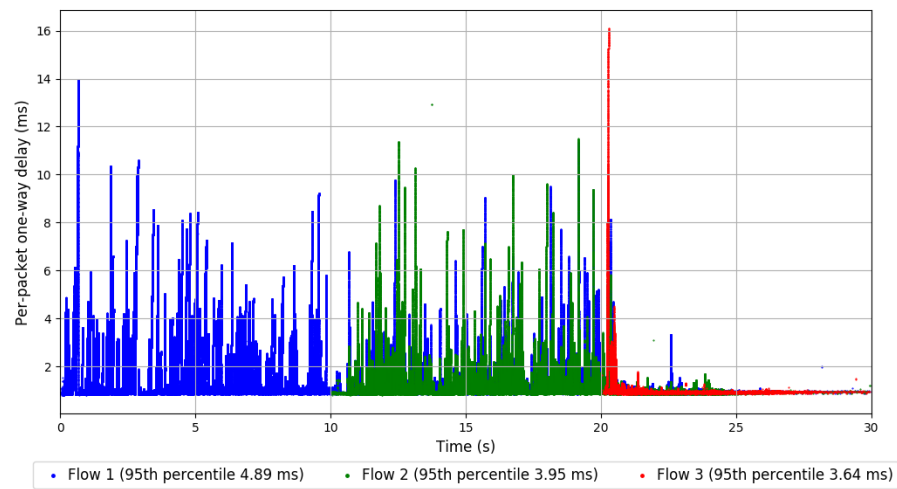
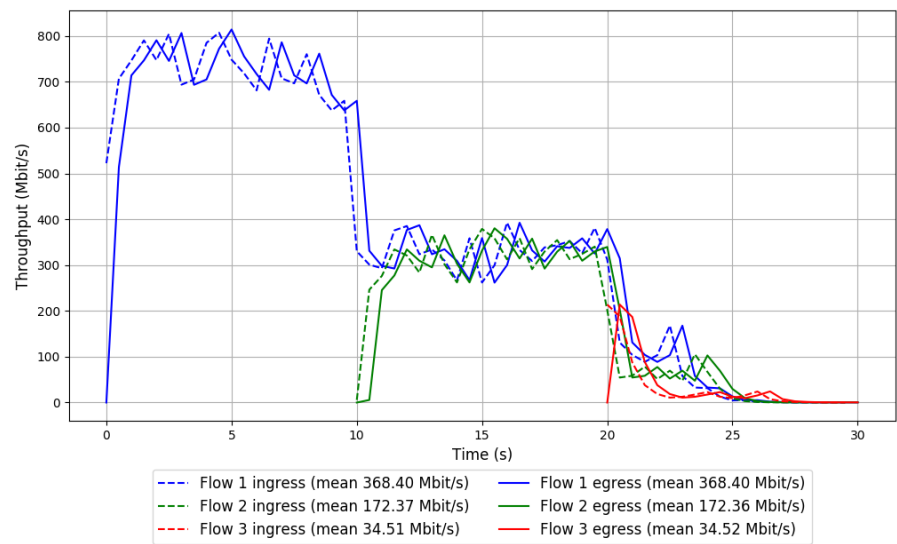
-- Flow 3:

Average throughput: 34.52 Mbit/s

95th percentile per-packet one-way delay: 3.642 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-07-18 13:13:38

End at: 2019-07-18 13:14:08

Local clock offset: 0.226 ms

Remote clock offset: 2.518 ms

Below is generated by plot.py at 2019-07-18 14:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 535.86 Mbit/s

95th percentile per-packet one-way delay: 5.354 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 366.43 Mbit/s

95th percentile per-packet one-way delay: 5.581 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 221.43 Mbit/s

95th percentile per-packet one-way delay: 4.171 ms

Loss rate: 0.00%

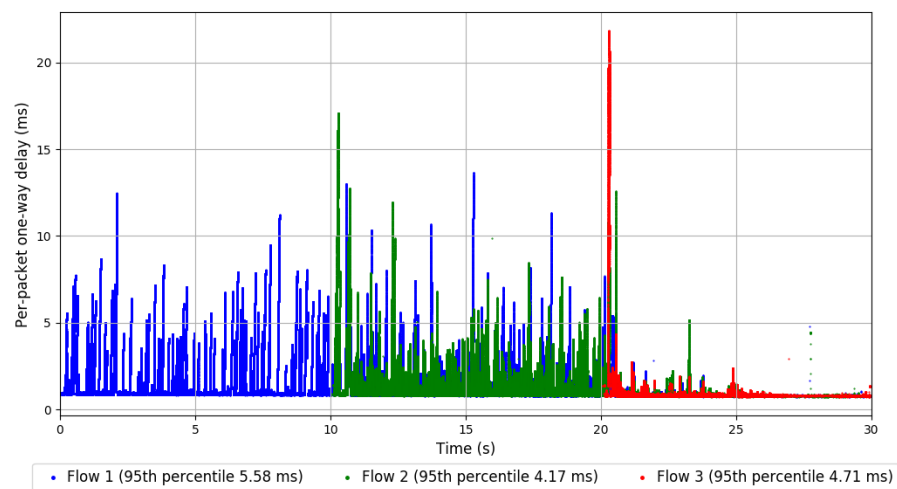
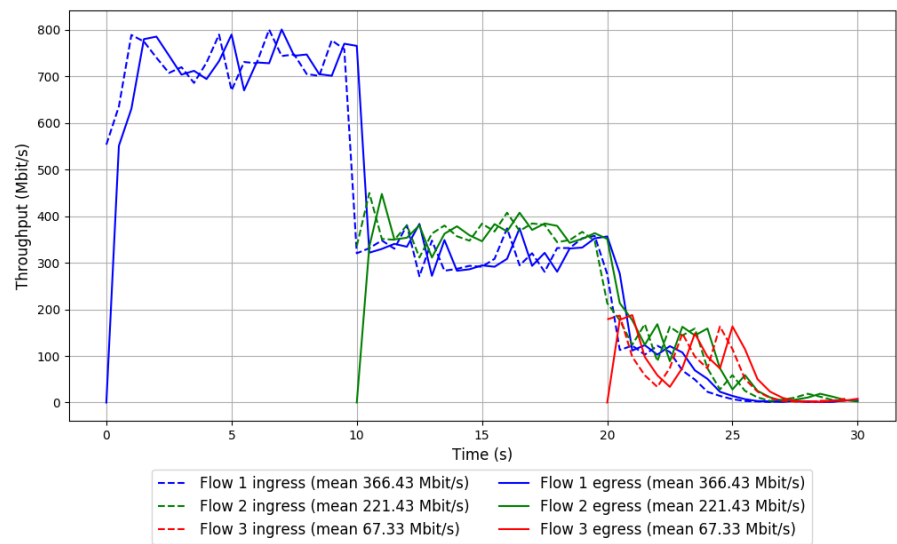
-- Flow 3:

Average throughput: 67.33 Mbit/s

95th percentile per-packet one-way delay: 4.714 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

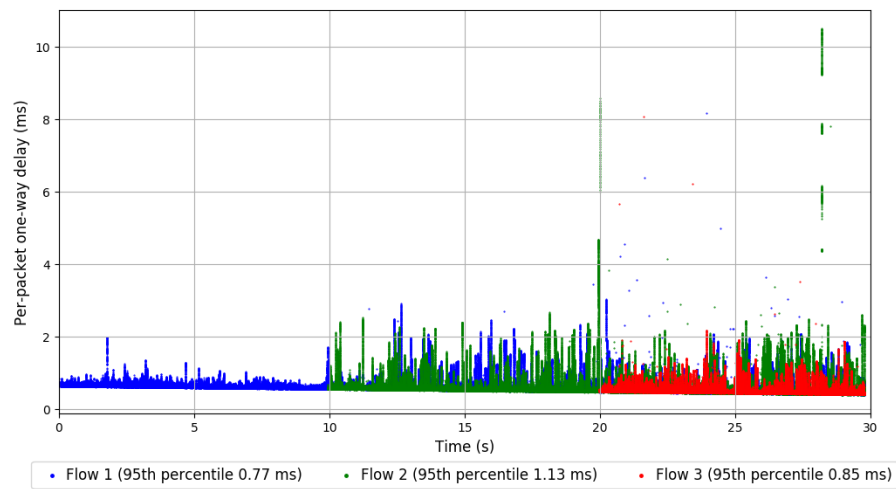
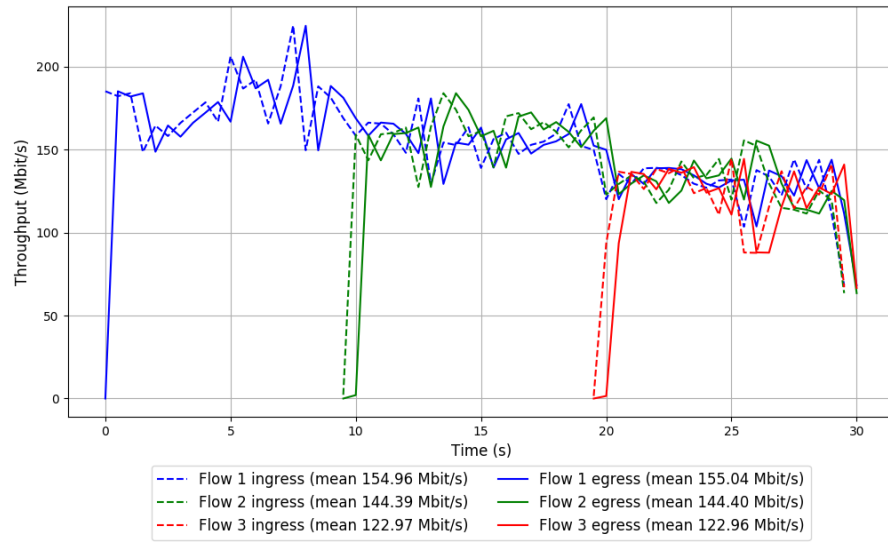


```
Run 1: Statistics of Indigo

Start at: 2019-07-18 11:00:26
End at: 2019-07-18 11:00:56
Local clock offset: 1.126 ms
Remote clock offset: 4.663 ms

# Below is generated by plot.py at 2019-07-18 14:11:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 291.80 Mbit/s
95th percentile per-packet one-way delay: 0.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.04 Mbit/s
95th percentile per-packet one-way delay: 0.774 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 144.40 Mbit/s
95th percentile per-packet one-way delay: 1.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.96 Mbit/s
95th percentile per-packet one-way delay: 0.849 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-07-18 11:34:42

End at: 2019-07-18 11:35:12

Local clock offset: 4.542 ms

Remote clock offset: 4.117 ms

Below is generated by plot.py at 2019-07-18 14:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 292.15 Mbit/s

95th percentile per-packet one-way delay: 1.092 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 154.94 Mbit/s

95th percentile per-packet one-way delay: 1.057 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 142.41 Mbit/s

95th percentile per-packet one-way delay: 1.120 ms

Loss rate: 0.00%

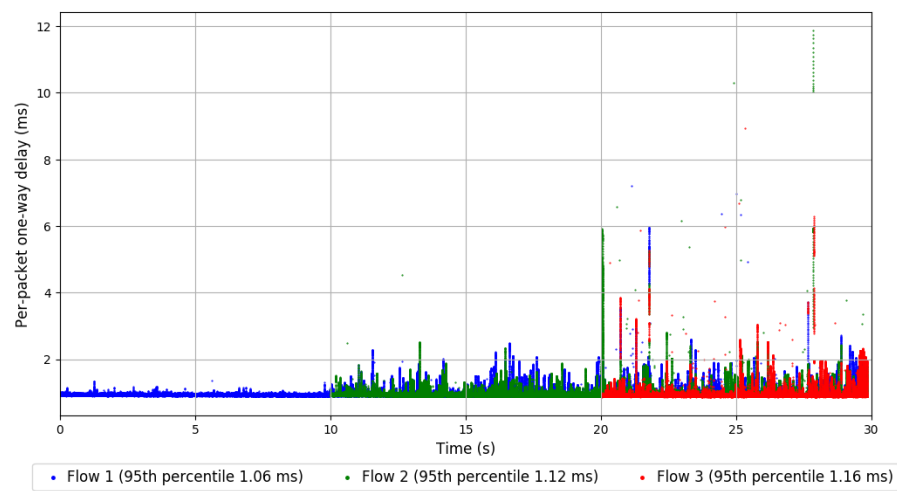
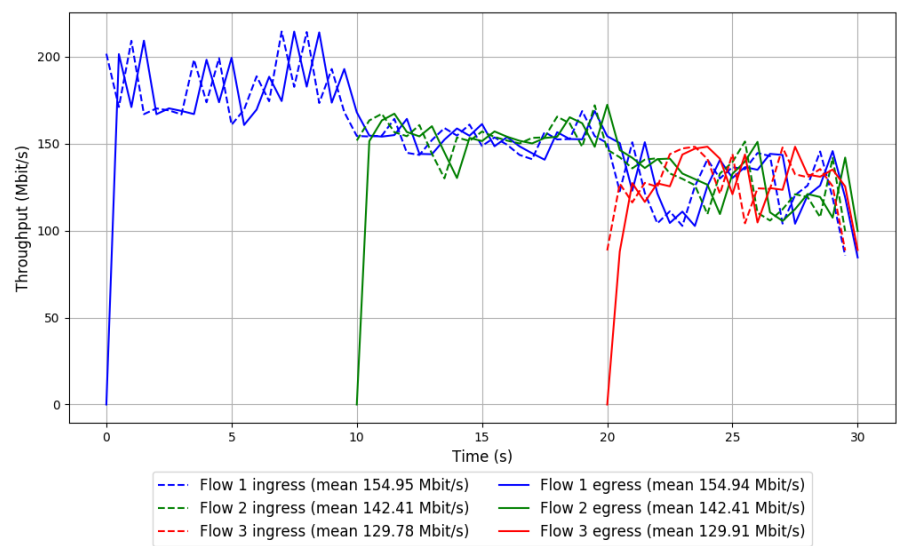
-- Flow 3:

Average throughput: 129.91 Mbit/s

95th percentile per-packet one-way delay: 1.155 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-07-18 12:09:03

End at: 2019-07-18 12:09:33

Local clock offset: 3.757 ms

Remote clock offset: 3.443 ms

Below is generated by plot.py at 2019-07-18 14:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.22 Mbit/s

95th percentile per-packet one-way delay: 1.061 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 156.79 Mbit/s

95th percentile per-packet one-way delay: 1.049 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 144.62 Mbit/s

95th percentile per-packet one-way delay: 1.031 ms

Loss rate: 0.01%

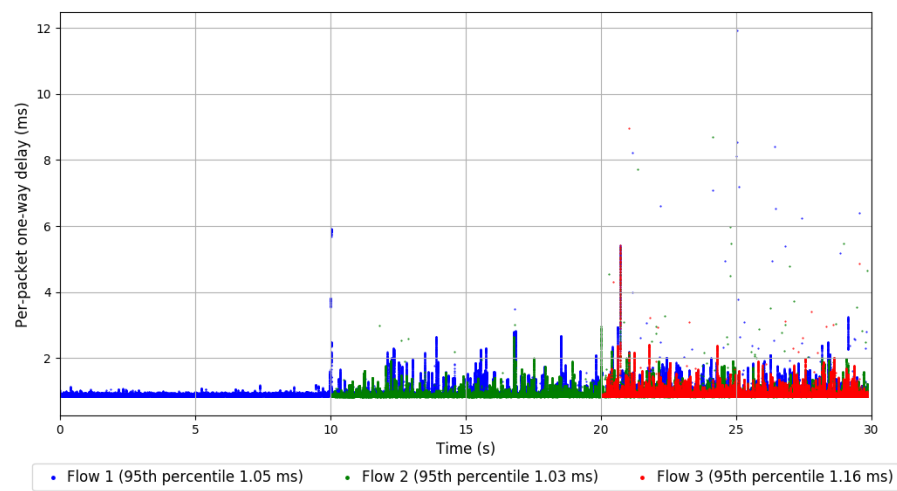
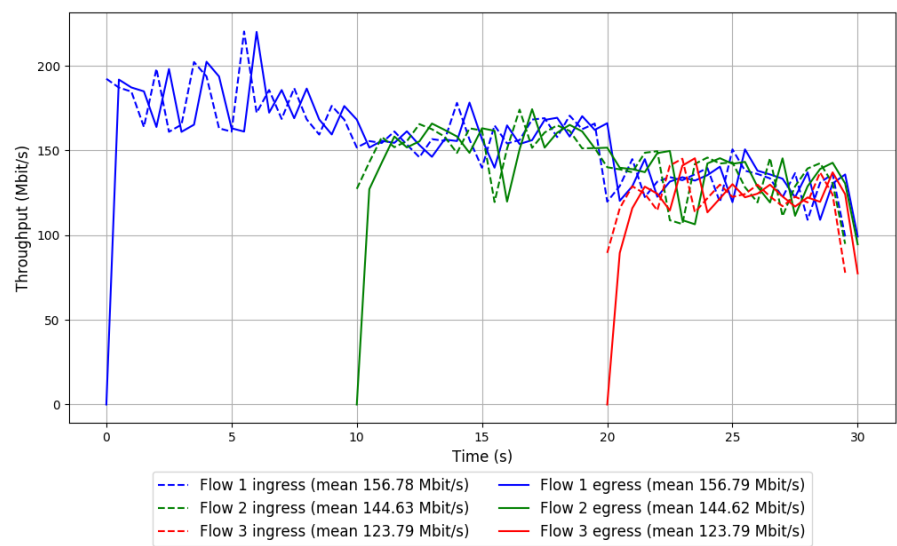
-- Flow 3:

Average throughput: 123.79 Mbit/s

95th percentile per-packet one-way delay: 1.162 ms

Loss rate: 0.02%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-07-18 12:43:19

End at: 2019-07-18 12:43:49

Local clock offset: 0.794 ms

Remote clock offset: 3.228 ms

Below is generated by plot.py at 2019-07-18 14:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.27 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 152.21 Mbit/s

95th percentile per-packet one-way delay: 1.045 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 144.37 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.03%

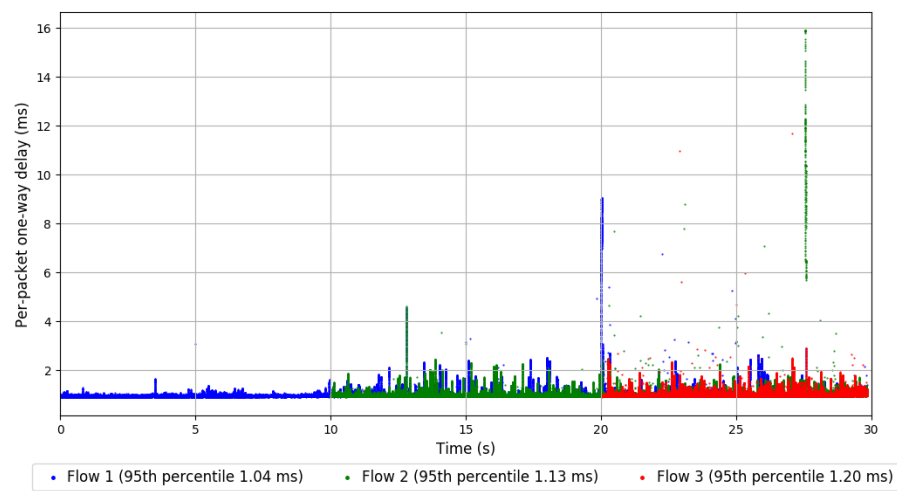
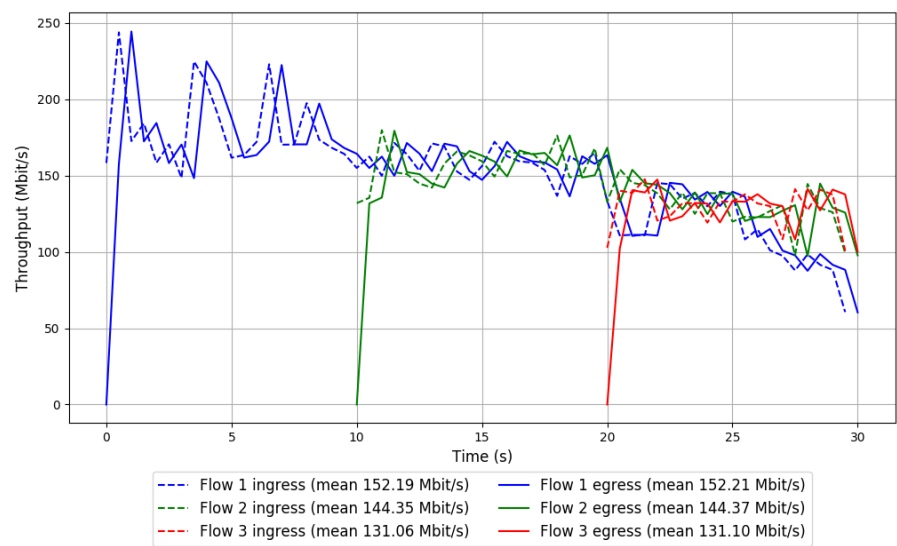
-- Flow 3:

Average throughput: 131.10 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.03%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-07-18 13:17:43

End at: 2019-07-18 13:18:13

Local clock offset: 0.154 ms

Remote clock offset: 1.596 ms

Below is generated by plot.py at 2019-07-18 14:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.86 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 154.54 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 144.74 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.00%

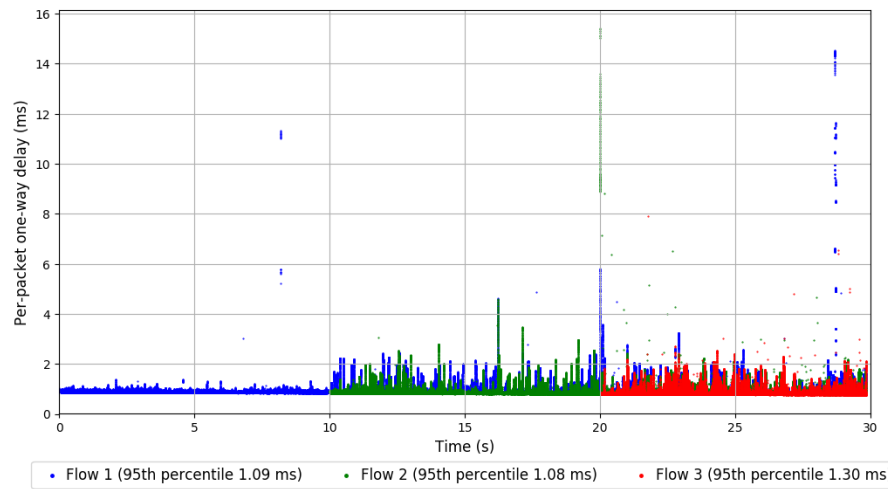
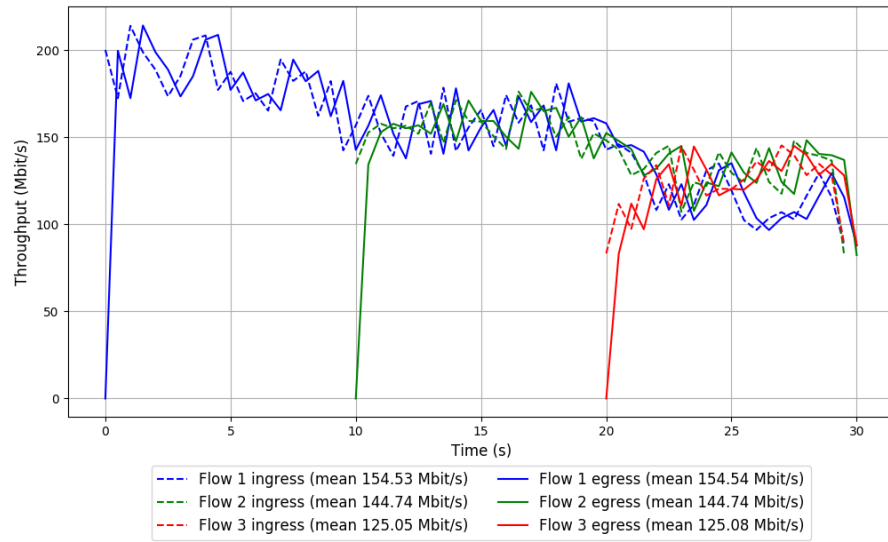
-- Flow 3:

Average throughput: 125.08 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.02%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-18 11:03:10

End at: 2019-07-18 11:03:40

Local clock offset: 2.162 ms

Remote clock offset: 4.437 ms

Below is generated by plot.py at 2019-07-18 14:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.05 Mbit/s

95th percentile per-packet one-way delay: 0.798 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 168.16 Mbit/s

95th percentile per-packet one-way delay: 0.802 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 0.775 ms

Loss rate: 0.00%

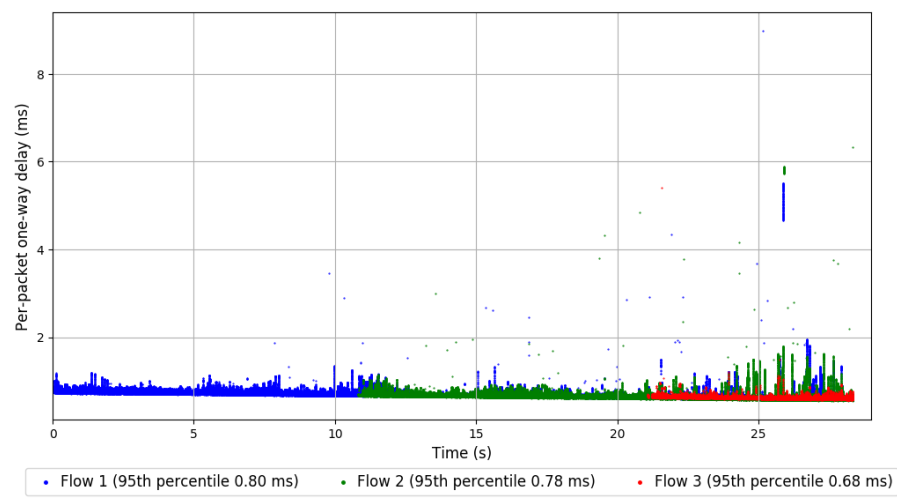
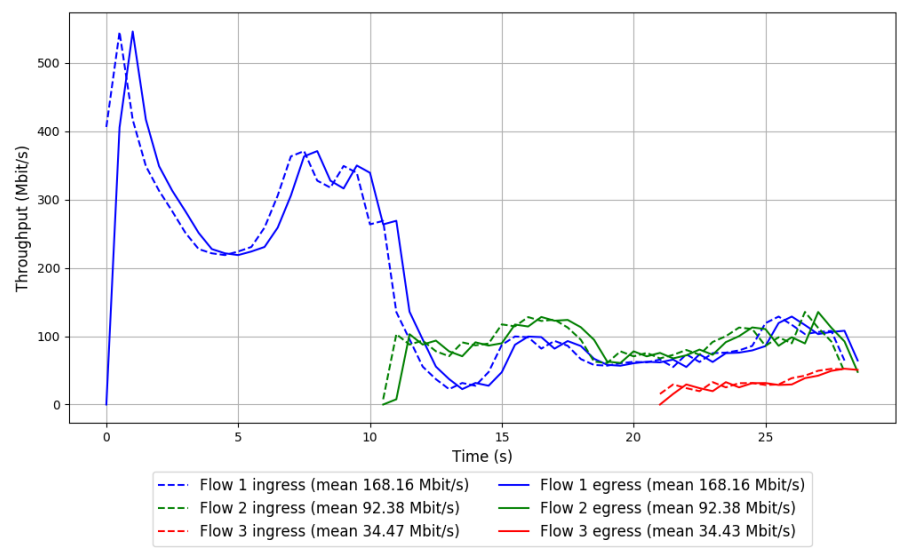
-- Flow 3:

Average throughput: 34.43 Mbit/s

95th percentile per-packet one-way delay: 0.680 ms

Loss rate: 0.12%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-18 11:37:26

End at: 2019-07-18 11:37:56

Local clock offset: 4.47 ms

Remote clock offset: 3.984 ms

Below is generated by plot.py at 2019-07-18 14:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.67 Mbit/s

95th percentile per-packet one-way delay: 0.943 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 152.48 Mbit/s

95th percentile per-packet one-way delay: 0.923 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 1.038 ms

Loss rate: 0.00%

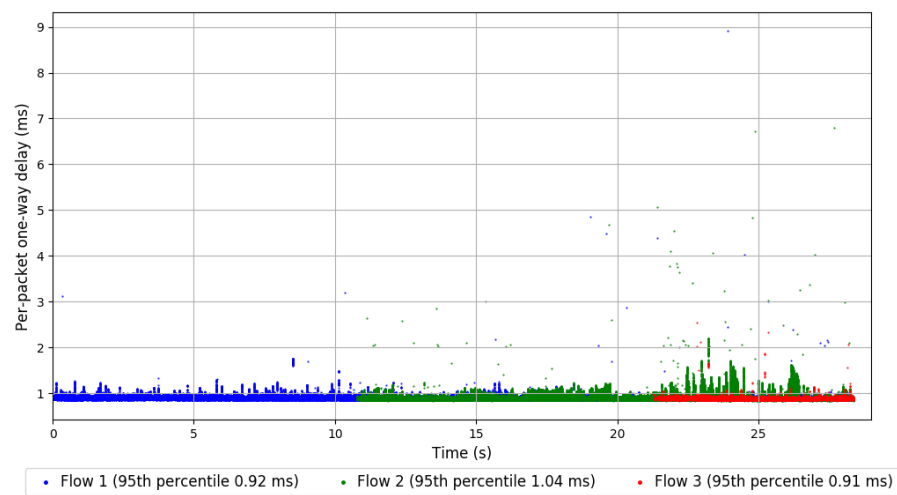
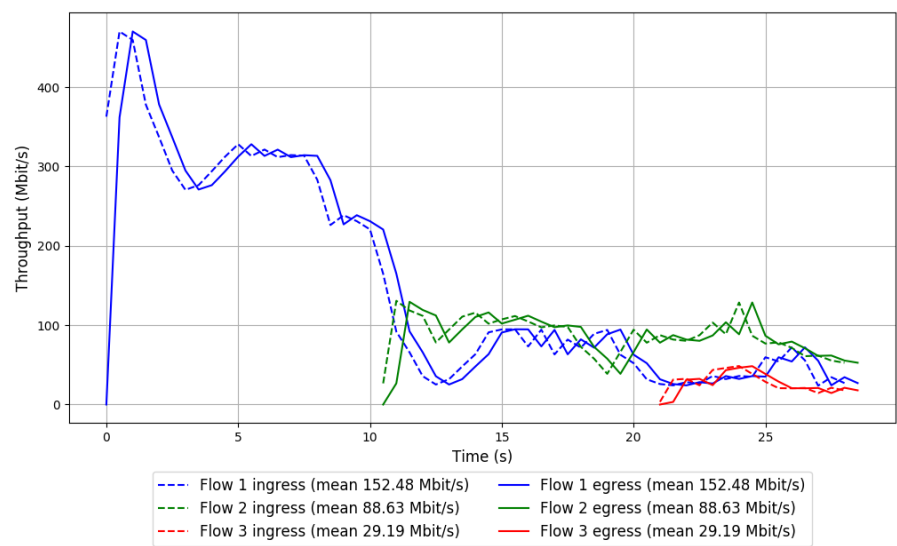
-- Flow 3:

Average throughput: 29.19 Mbit/s

95th percentile per-packet one-way delay: 0.910 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-18 12:11:48

End at: 2019-07-18 12:12:18

Local clock offset: 3.678 ms

Remote clock offset: 3.307 ms

Below is generated by plot.py at 2019-07-18 14:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 209.85 Mbit/s

95th percentile per-packet one-way delay: 1.003 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 156.42 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.88 Mbit/s

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

Loss rate: 0.02%

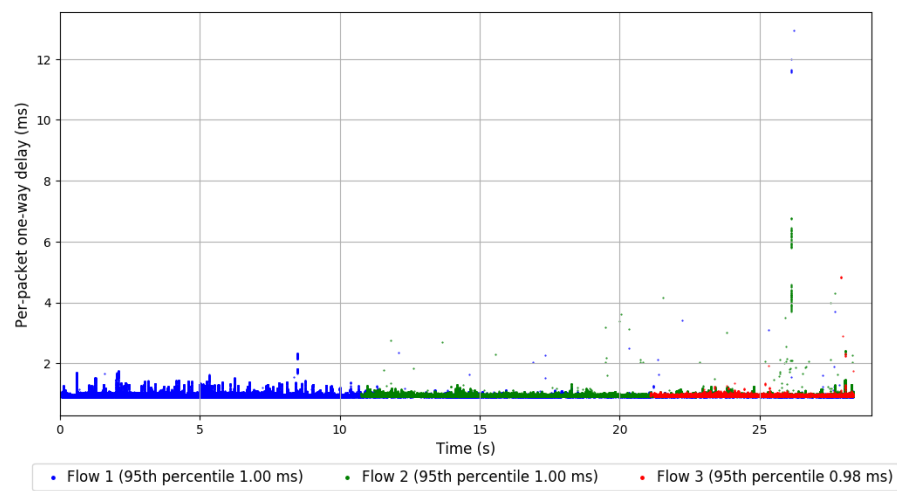
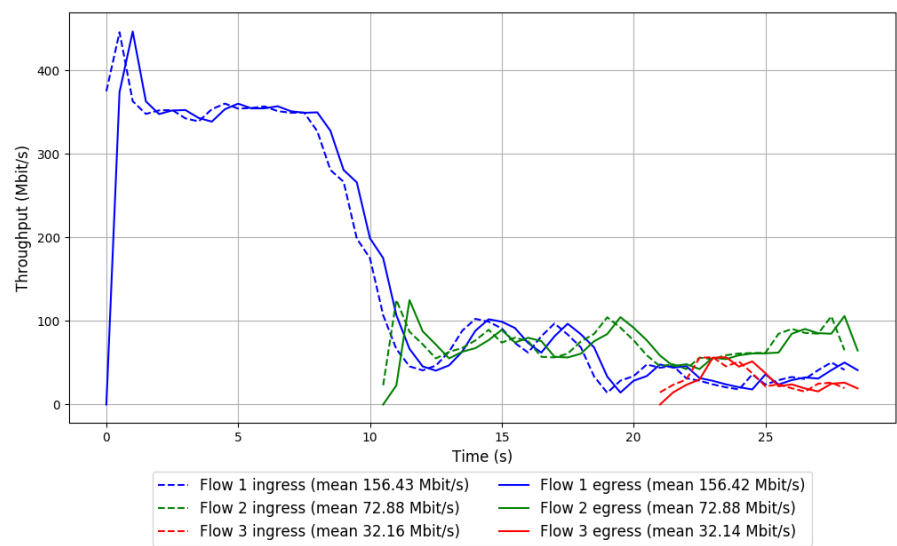
-- Flow 3:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 0.984 ms

Loss rate: 0.08%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-18 12:46:03

End at: 2019-07-18 12:46:33

Local clock offset: 0.605 ms

Remote clock offset: 3.216 ms

Below is generated by plot.py at 2019-07-18 14:11:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.38 Mbit/s

95th percentile per-packet one-way delay: 1.056 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 171.49 Mbit/s

95th percentile per-packet one-way delay: 1.058 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.55 Mbit/s

95th percentile per-packet one-way delay: 1.052 ms

Loss rate: 0.00%

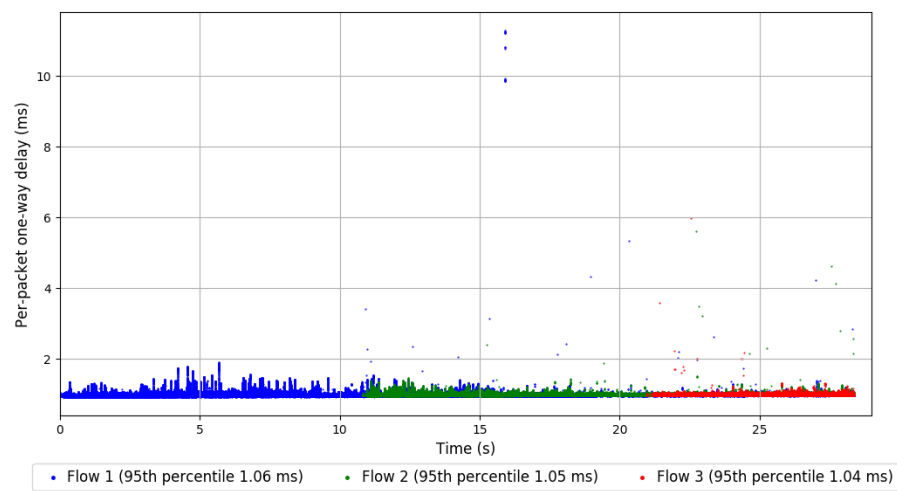
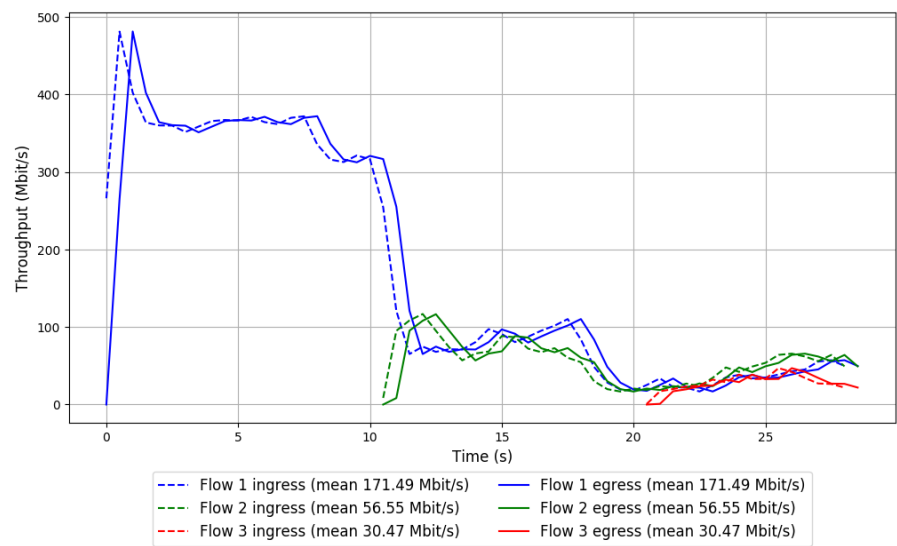
-- Flow 3:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 1.045 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-18 13:20:28

End at: 2019-07-18 13:20:58

Local clock offset: 0.106 ms

Remote clock offset: 1.099 ms

Below is generated by plot.py at 2019-07-18 14:11:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 217.52 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 173.17 Mbit/s

95th percentile per-packet one-way delay: 0.967 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.33 Mbit/s

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

Loss rate: 0.00%

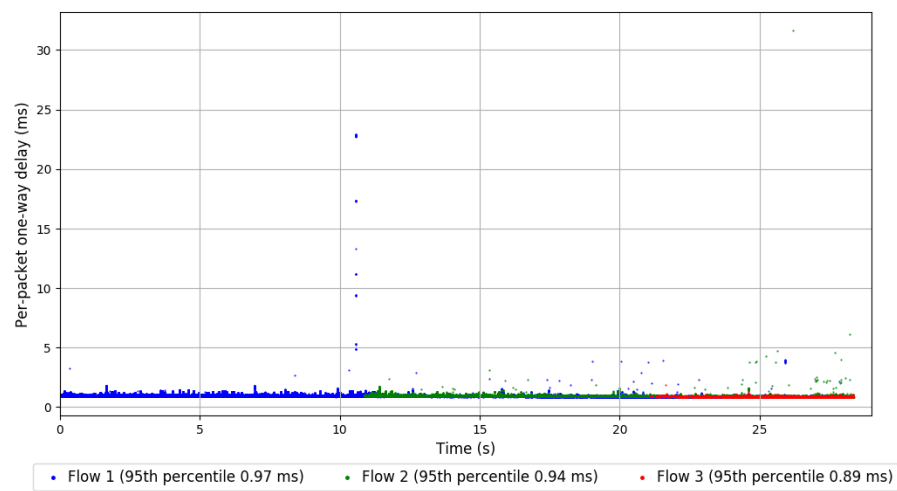
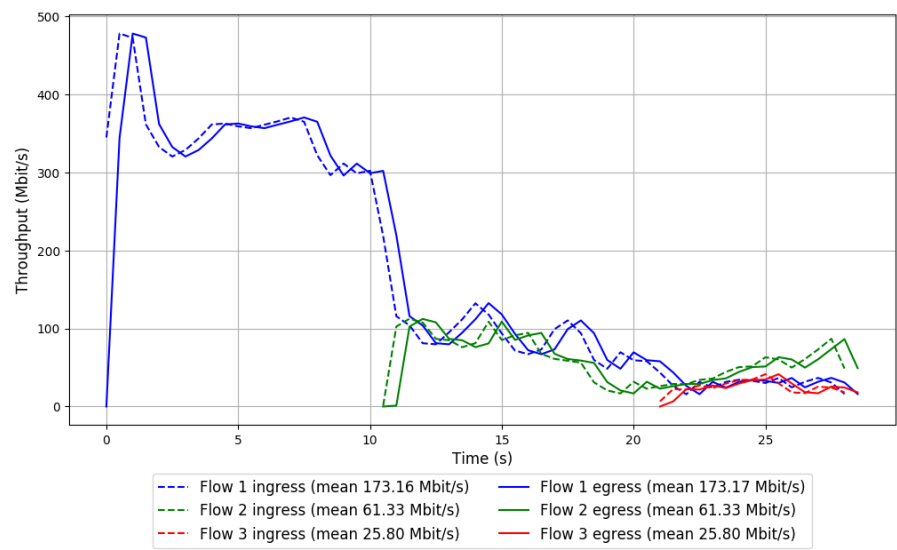
-- Flow 3:

Average throughput: 25.80 Mbit/s

95th percentile per-packet one-way delay: 0.889 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-18 10:57:48

End at: 2019-07-18 10:58:18

Local clock offset: -0.344 ms

Remote clock offset: 4.75 ms

Below is generated by plot.py at 2019-07-18 14:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 222.61 Mbit/s

95th percentile per-packet one-way delay: 0.886 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 133.59 Mbit/s

95th percentile per-packet one-way delay: 0.788 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 129.59 Mbit/s

95th percentile per-packet one-way delay: 1.048 ms

Loss rate: 0.00%

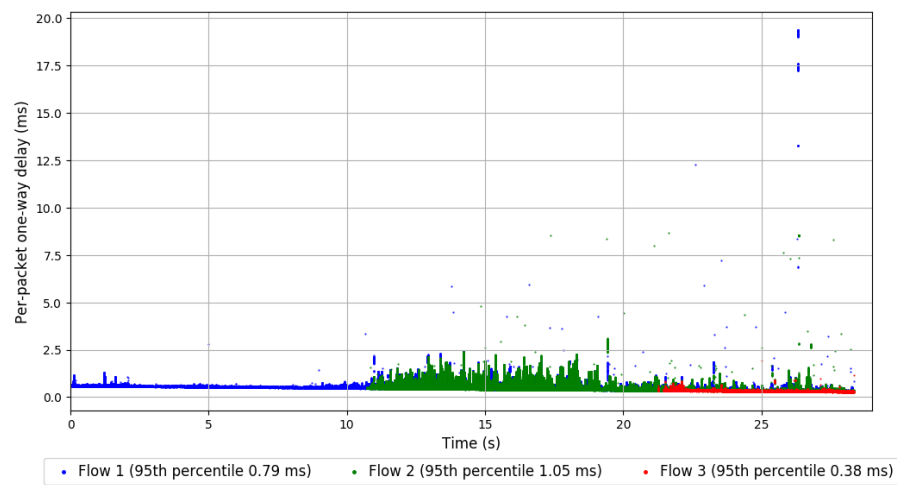
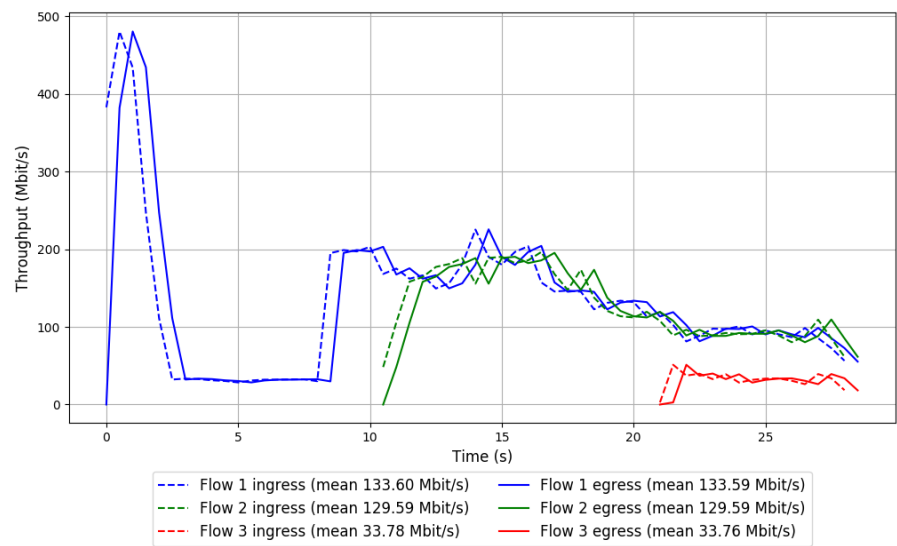
-- Flow 3:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 0.375 ms

Loss rate: 0.06%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-18 11:32:04

End at: 2019-07-18 11:32:34

Local clock offset: 4.728 ms

Remote clock offset: 4.377 ms

Below is generated by plot.py at 2019-07-18 14:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 158.19 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 132.17 Mbit/s

95th percentile per-packet one-way delay: 1.214 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.04 Mbit/s

95th percentile per-packet one-way delay: 0.977 ms

Loss rate: 0.00%

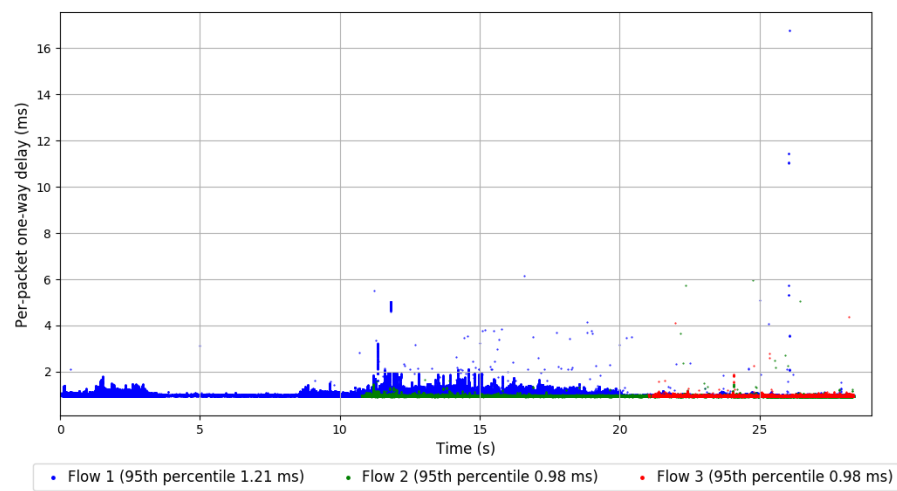
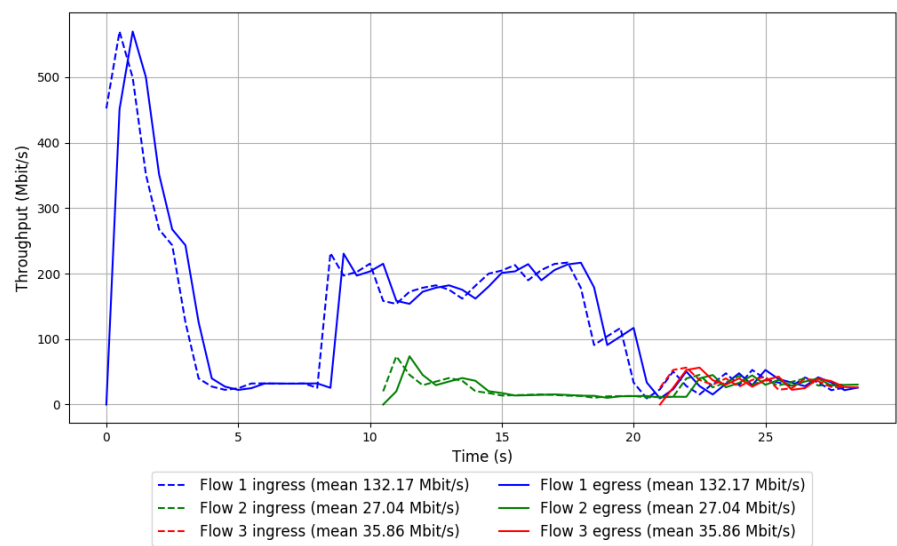
-- Flow 3:

Average throughput: 35.86 Mbit/s

95th percentile per-packet one-way delay: 0.980 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-18 12:06:27

End at: 2019-07-18 12:06:57

Local clock offset: 3.796 ms

Remote clock offset: 3.345 ms

Below is generated by plot.py at 2019-07-18 14:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 104.13 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 75.08 Mbit/s

95th percentile per-packet one-way delay: 1.030 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 30.87 Mbit/s

95th percentile per-packet one-way delay: 1.156 ms

Loss rate: 0.01%

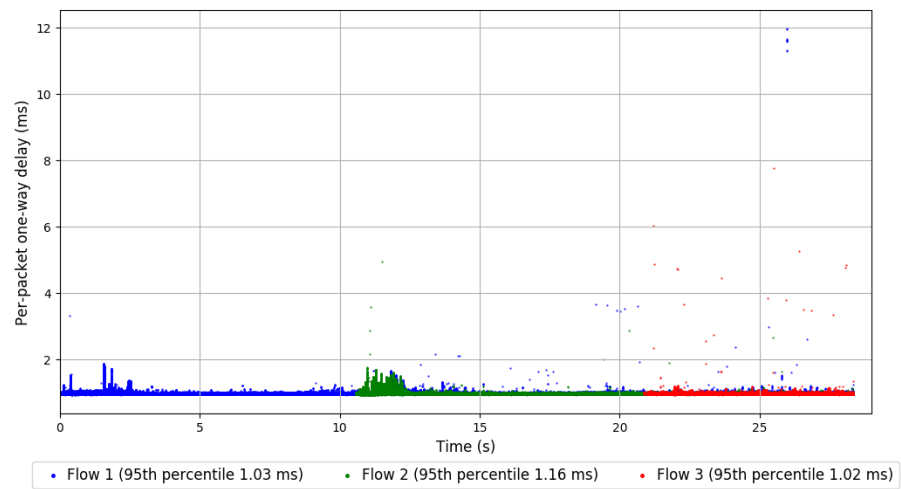
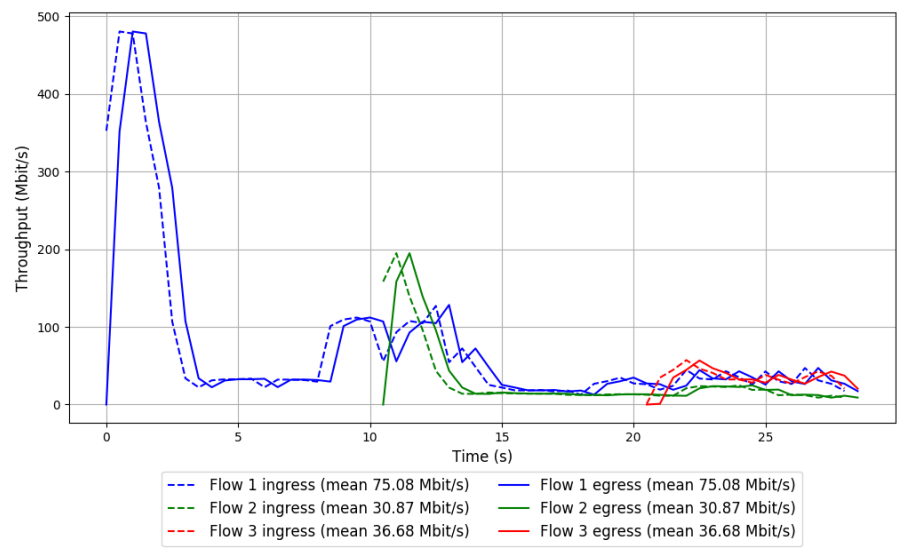
-- Flow 3:

Average throughput: 36.68 Mbit/s

95th percentile per-packet one-way delay: 1.024 ms

Loss rate: 0.03%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-18 12:40:36

End at: 2019-07-18 12:41:06

Local clock offset: 0.996 ms

Remote clock offset: 3.086 ms

Below is generated by plot.py at 2019-07-18 14:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 155.42 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 120.11 Mbit/s

95th percentile per-packet one-way delay: 1.102 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.64 Mbit/s

95th percentile per-packet one-way delay: 1.133 ms

Loss rate: 0.00%

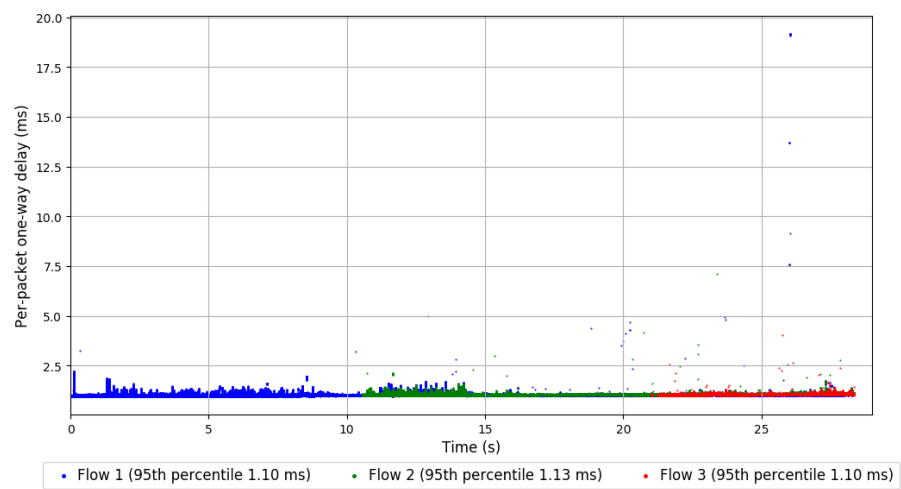
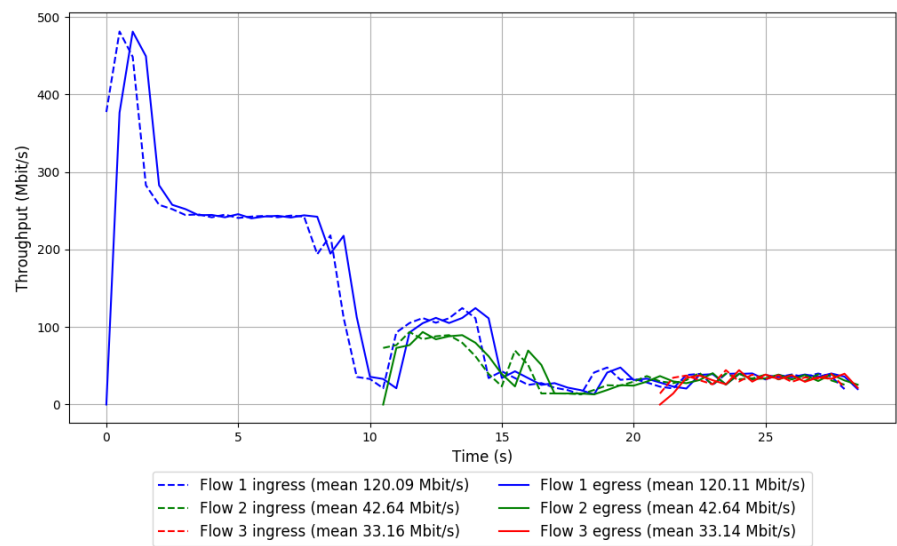
-- Flow 3:

Average throughput: 33.14 Mbit/s

95th percentile per-packet one-way delay: 1.098 ms

Loss rate: 0.07%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-18 13:15:07

End at: 2019-07-18 13:15:37

Local clock offset: 0.214 ms

Remote clock offset: 2.133 ms

Below is generated by plot.py at 2019-07-18 14:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.44 Mbit/s

95th percentile per-packet one-way delay: 0.971 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 0.990 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 47.14 Mbit/s

95th percentile per-packet one-way delay: 0.911 ms

Loss rate: 0.01%

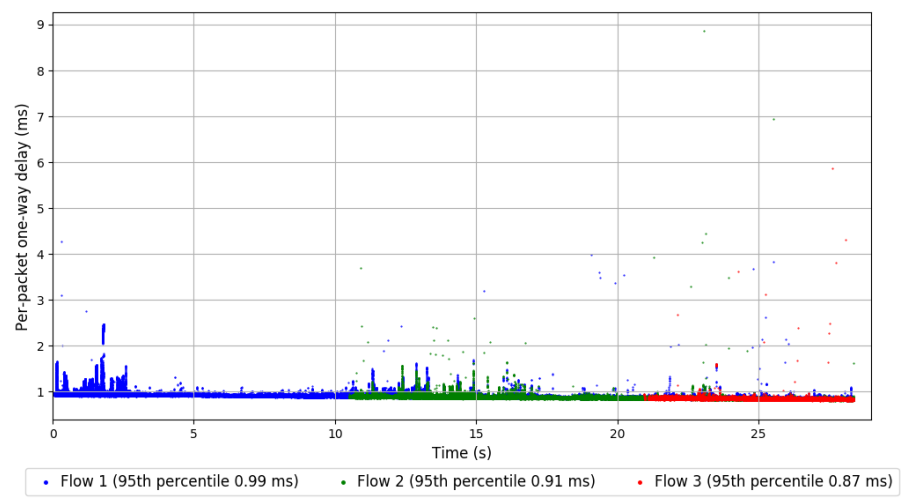
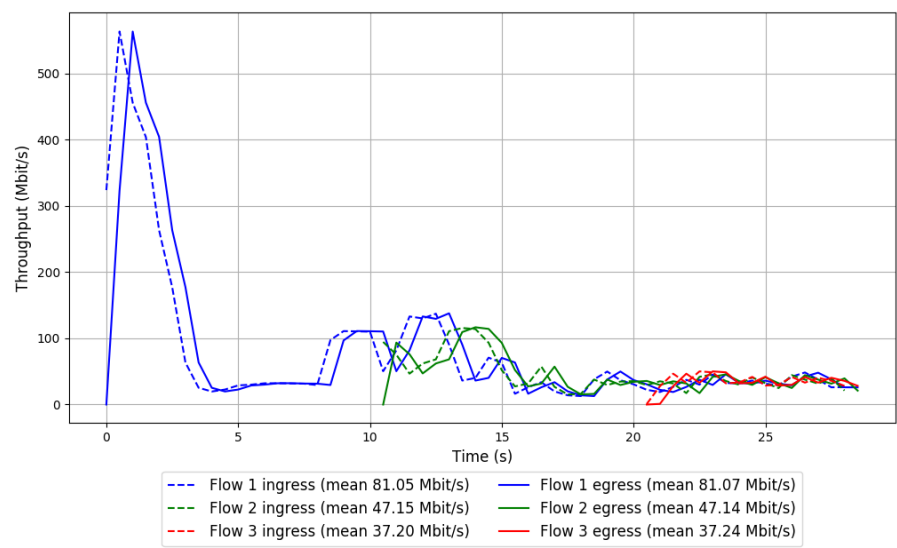
-- Flow 3:

Average throughput: 37.24 Mbit/s

95th percentile per-packet one-way delay: 0.868 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-18 10:50:52

End at: 2019-07-18 10:51:22

Local clock offset: -2.11 ms

Remote clock offset: 4.902 ms

Below is generated by plot.py at 2019-07-18 14:12:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 107.85 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 68.67 Mbit/s

95th percentile per-packet one-way delay: 0.977 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.93 Mbit/s

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

Loss rate: 0.01%

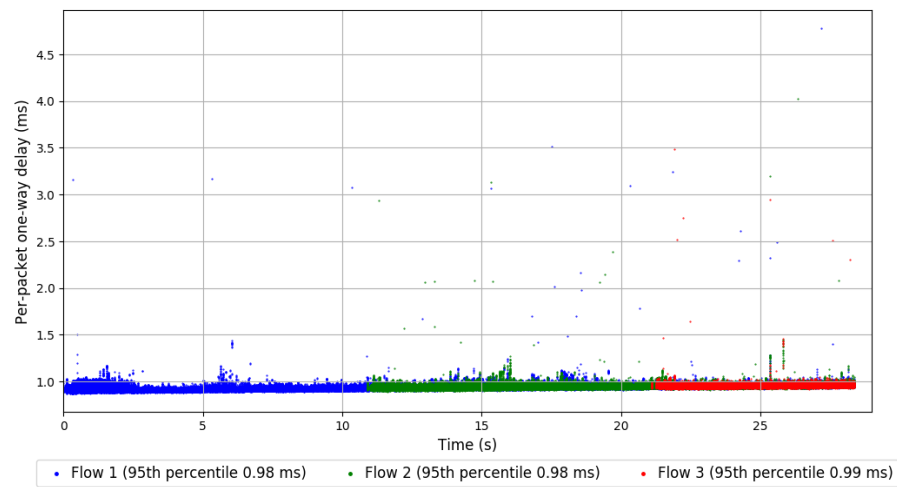
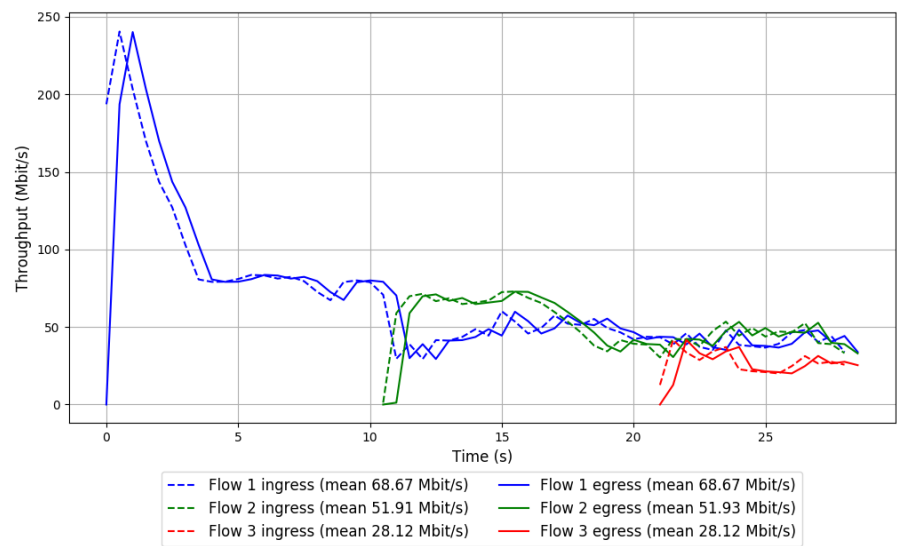
-- Flow 3:

Average throughput: 28.12 Mbit/s

95th percentile per-packet one-way delay: 0.987 ms

Loss rate: 0.07%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-18 11:25:07

End at: 2019-07-18 11:25:37

Local clock offset: 5.638 ms

Remote clock offset: 4.672 ms

Below is generated by plot.py at 2019-07-18 14:12:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.47 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 60.75 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.27 Mbit/s

95th percentile per-packet one-way delay: 1.083 ms

Loss rate: 0.04%

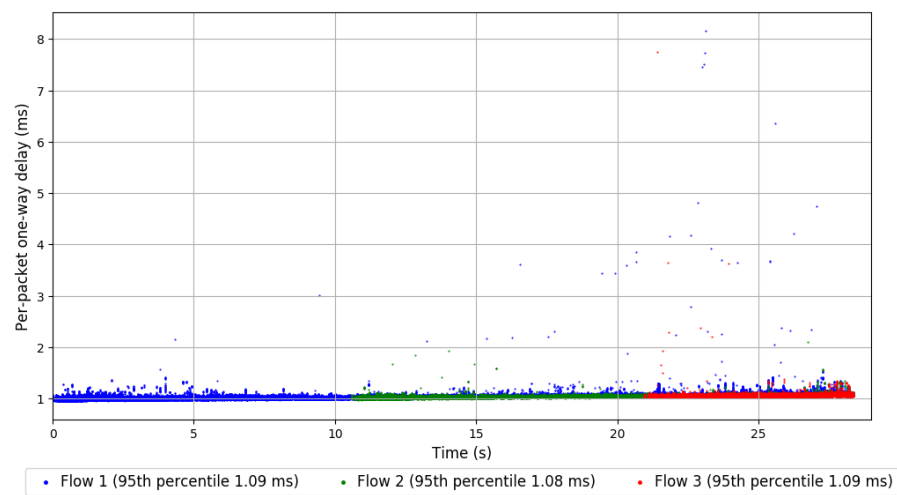
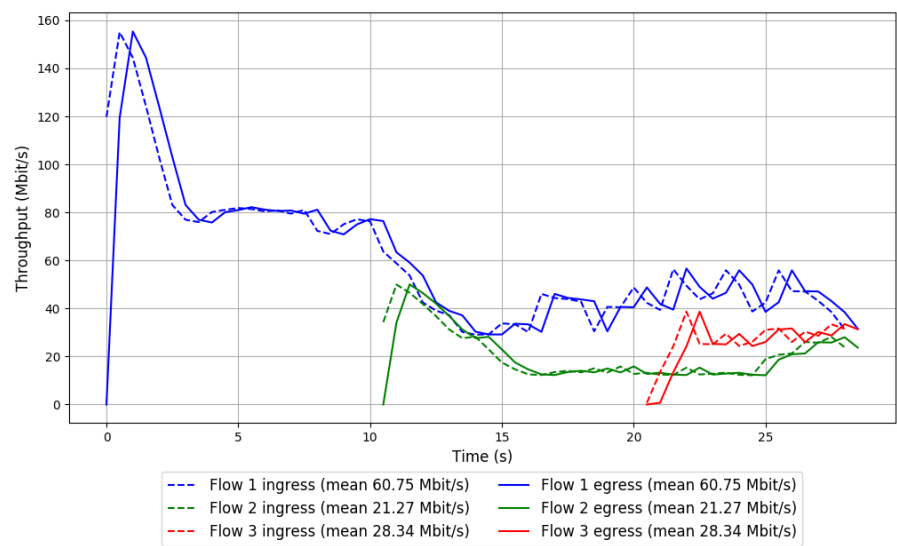
-- Flow 3:

Average throughput: 28.34 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.04%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-18 11:59:32

End at: 2019-07-18 12:00:02

Local clock offset: 4.074 ms

Remote clock offset: 3.411 ms

Below is generated by plot.py at 2019-07-18 14:12:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 100.17 Mbit/s

95th percentile per-packet one-way delay: 1.002 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.16 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.67 Mbit/s

95th percentile per-packet one-way delay: 0.992 ms

Loss rate: 0.01%

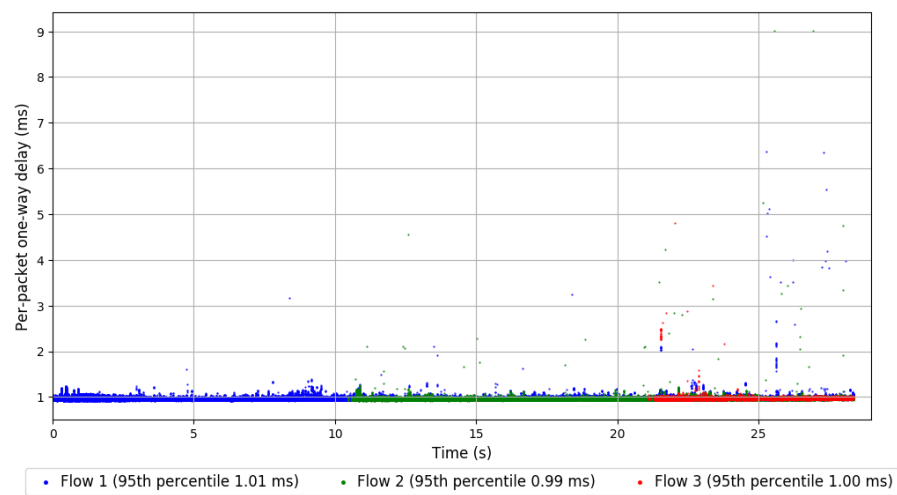
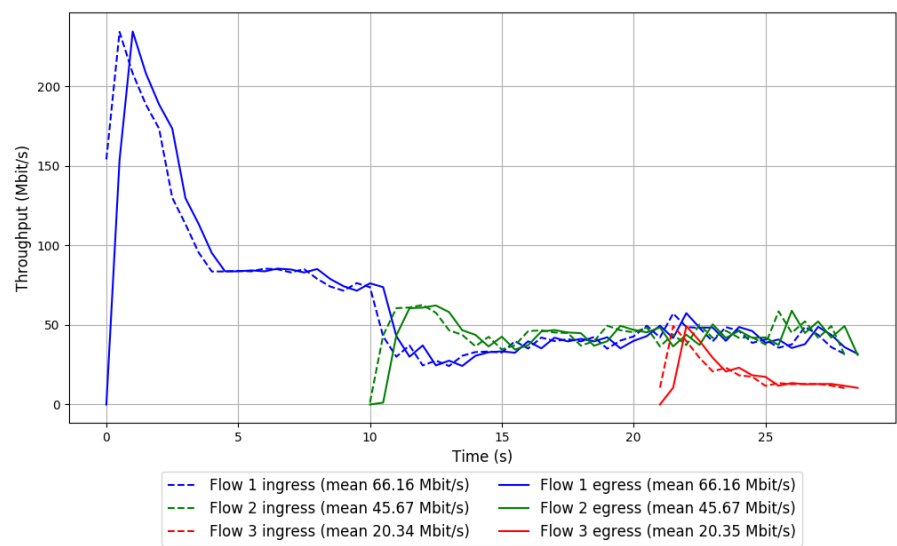
-- Flow 3:

Average throughput: 20.35 Mbit/s

95th percentile per-packet one-way delay: 1.002 ms

Loss rate: 0.02%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-18 12:33:39

End at: 2019-07-18 12:34:09

Local clock offset: 1.74 ms

Remote clock offset: 3.045 ms

Below is generated by plot.py at 2019-07-18 14:12:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.55 Mbit/s

95th percentile per-packet one-way delay: 1.089 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.45 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.25 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.00%

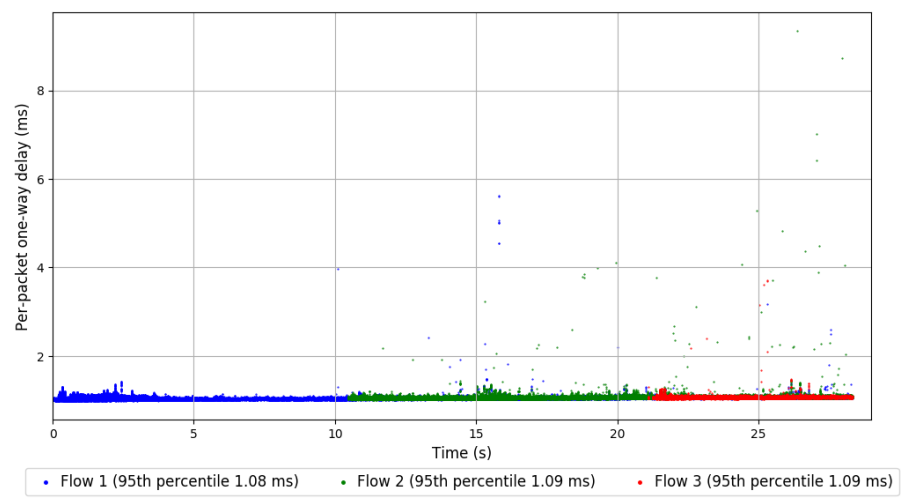
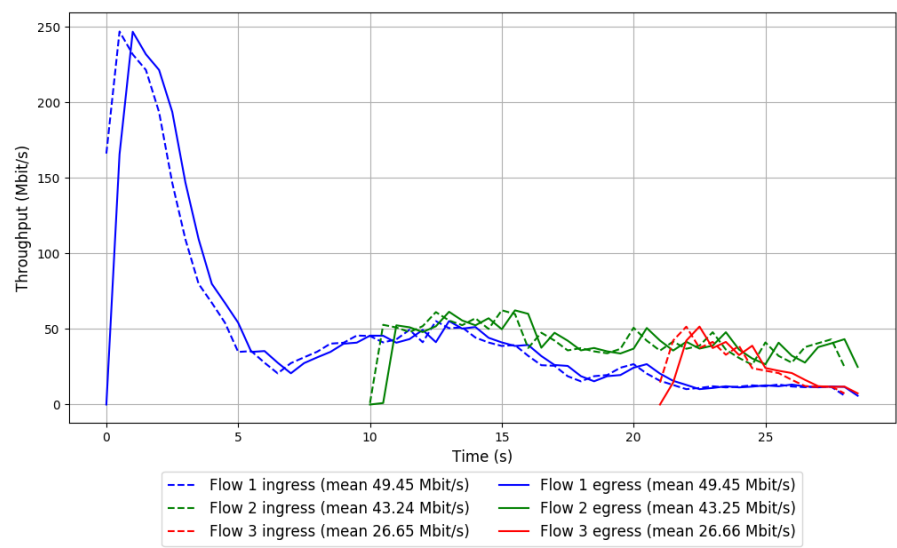
-- Flow 3:

Average throughput: 26.66 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-18 13:08:09

End at: 2019-07-18 13:08:39

Local clock offset: 0.32 ms

Remote clock offset: 3.101 ms

Below is generated by plot.py at 2019-07-18 14:13:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 59.76 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.98 Mbit/s

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

Loss rate: 0.03%

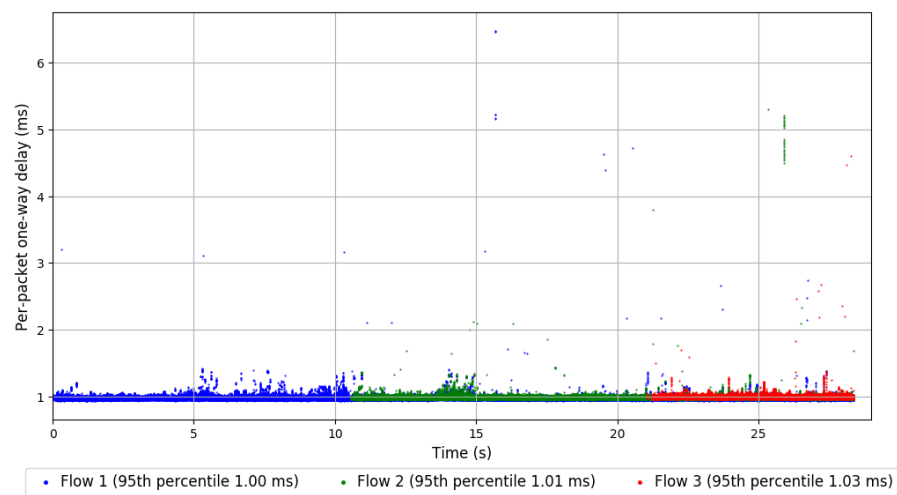
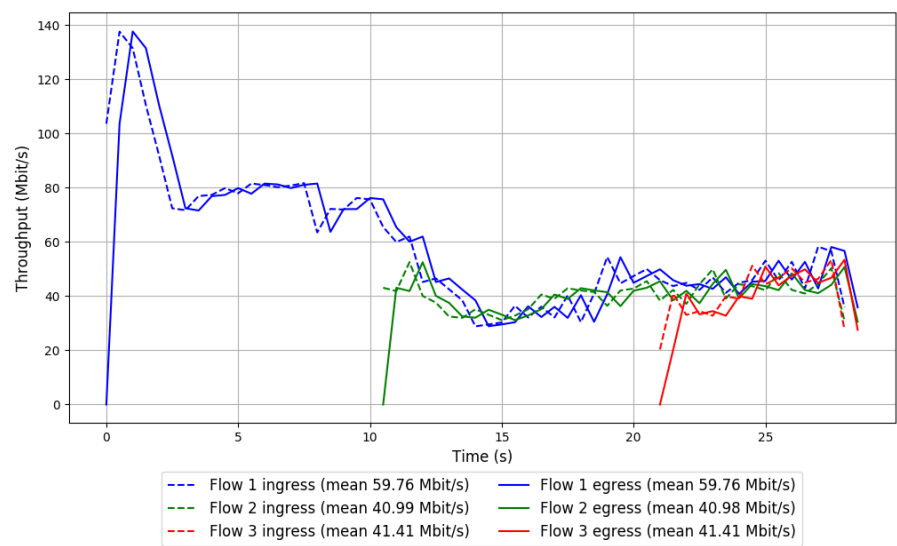
-- Flow 3:

Average throughput: 41.41 Mbit/s

95th percentile per-packet one-way delay: 1.026 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-18 11:10:51

End at: 2019-07-18 11:11:21

Local clock offset: 4.095 ms

Remote clock offset: 4.45 ms

Below is generated by plot.py at 2019-07-18 14:13:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 177.73 Mbit/s

95th percentile per-packet one-way delay: 0.839 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 131.62 Mbit/s

95th percentile per-packet one-way delay: 0.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.62 Mbit/s

95th percentile per-packet one-way delay: 0.867 ms

Loss rate: 0.00%

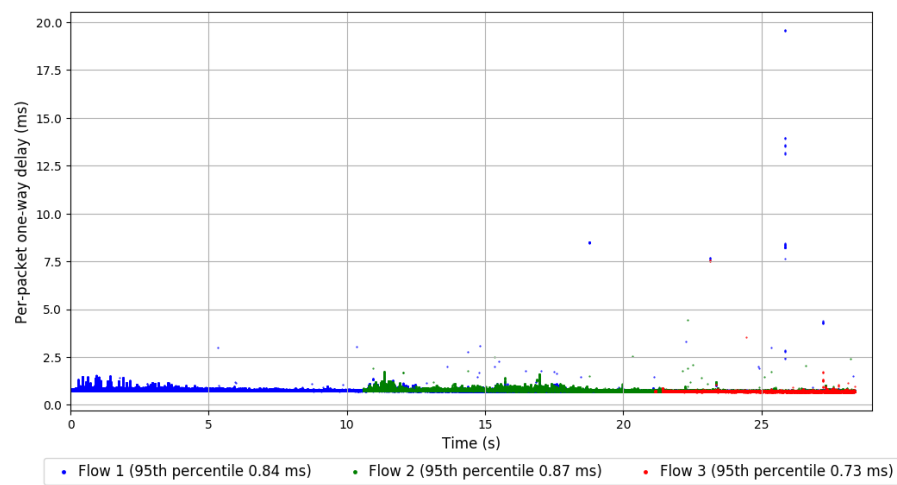
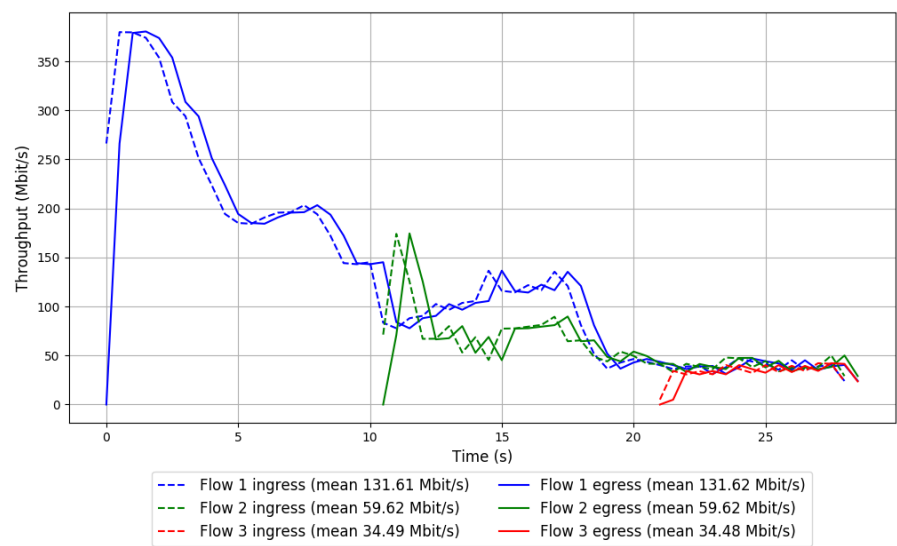
-- Flow 3:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 0.726 ms

Loss rate: 0.04%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-18 11:45:08

End at: 2019-07-18 11:45:38

Local clock offset: 4.368 ms

Remote clock offset: 3.707 ms

Below is generated by plot.py at 2019-07-18 14:14:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 173.93 Mbit/s

95th percentile per-packet one-way delay: 0.894 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 135.22 Mbit/s

95th percentile per-packet one-way delay: 0.885 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.99 Mbit/s

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

Loss rate: 0.03%

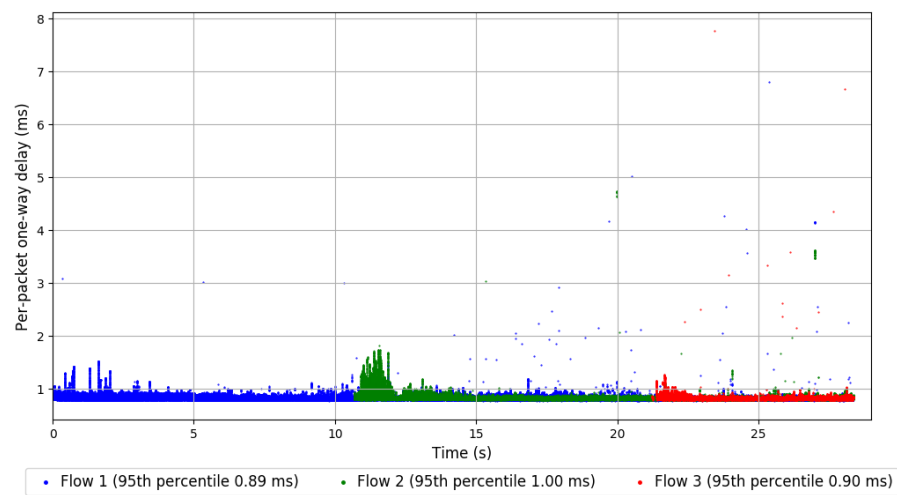
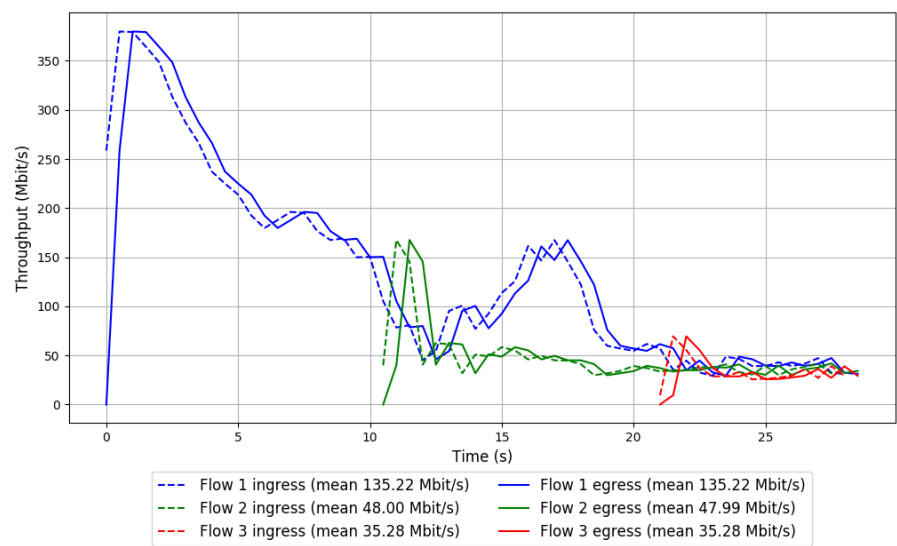
-- Flow 3:

Average throughput: 35.28 Mbit/s

95th percentile per-packet one-way delay: 0.898 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-18 12:19:19

End at: 2019-07-18 12:19:49

Local clock offset: 3.658 ms

Remote clock offset: 3.257 ms

Below is generated by plot.py at 2019-07-18 14:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 199.39 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 146.25 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.59 Mbit/s

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

Loss rate: 0.00%

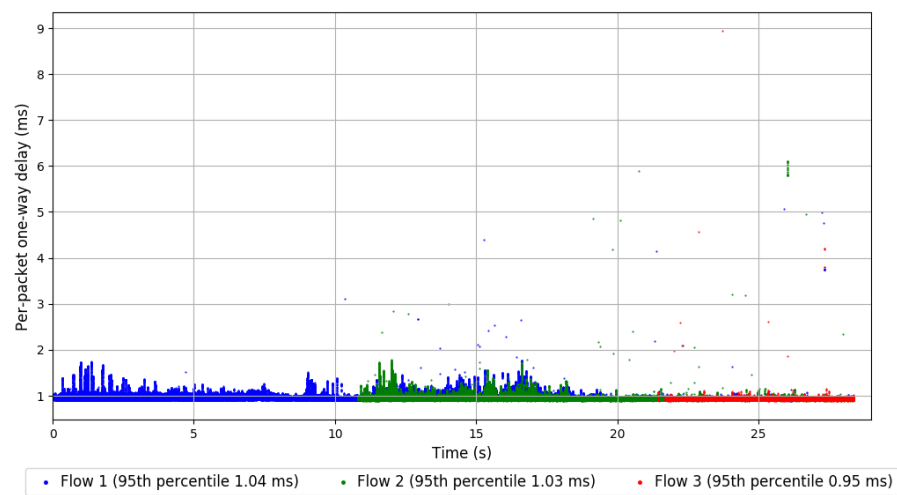
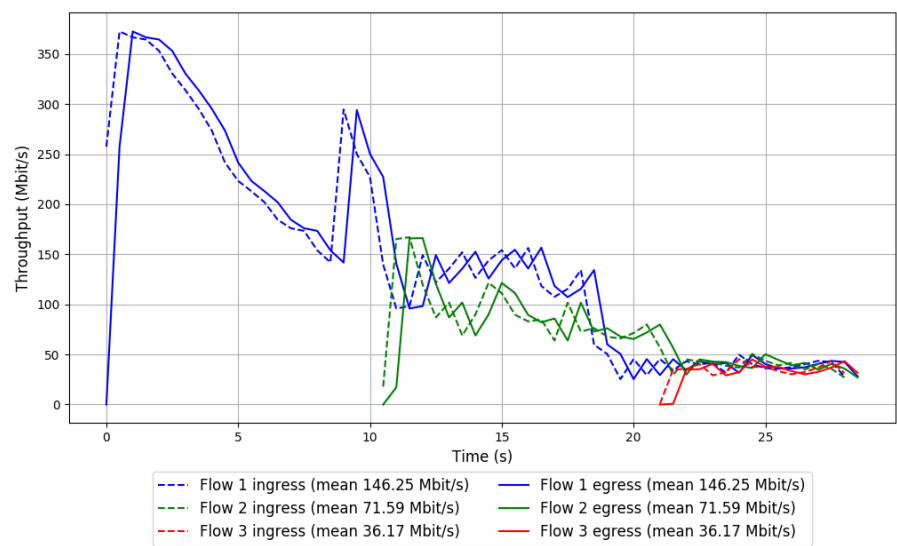
-- Flow 3:

Average throughput: 36.17 Mbit/s

95th percentile per-packet one-way delay: 0.953 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-18 12:53:46

End at: 2019-07-18 12:54:16

Local clock offset: 0.223 ms

Remote clock offset: 3.293 ms

Below is generated by plot.py at 2019-07-18 14:14:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.07 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 139.79 Mbit/s

95th percentile per-packet one-way delay: 1.025 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.74 Mbit/s

95th percentile per-packet one-way delay: 1.015 ms

Loss rate: 0.02%

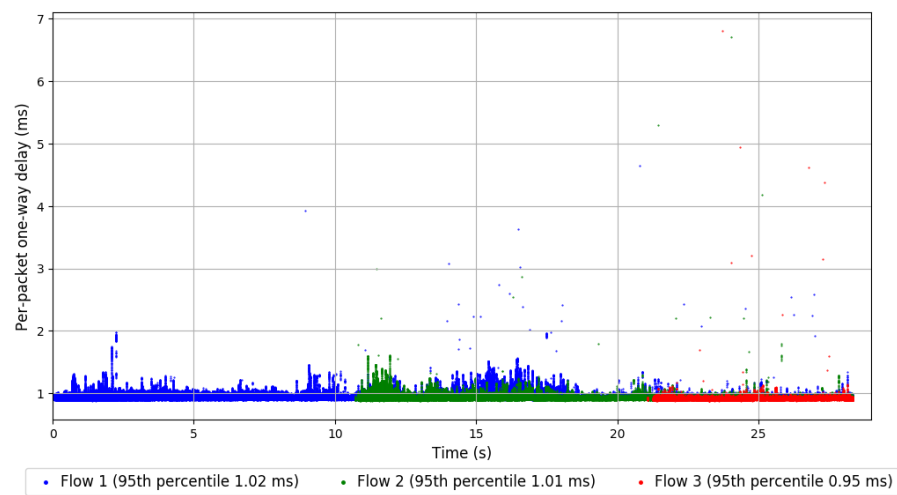
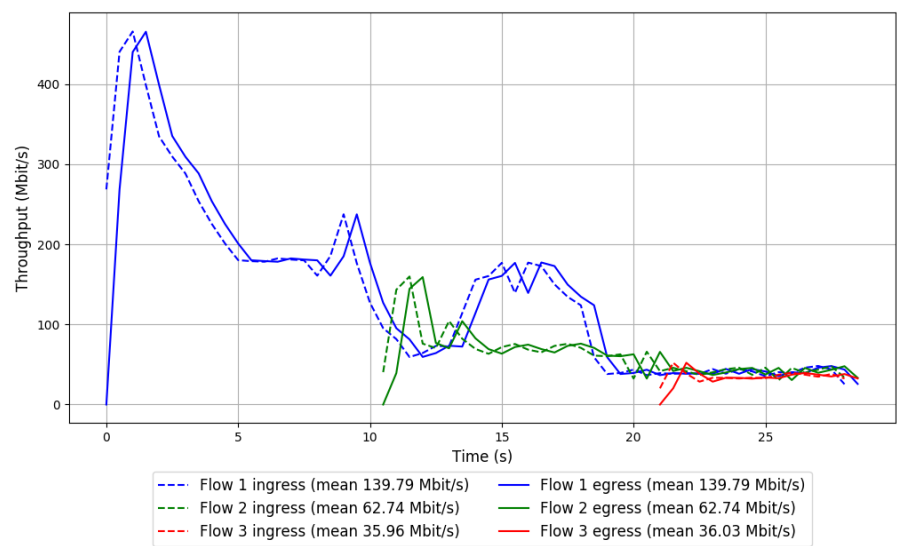
-- Flow 3:

Average throughput: 36.03 Mbit/s

95th percentile per-packet one-way delay: 0.953 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-18 13:28:10

End at: 2019-07-18 13:28:40

Local clock offset: 0.264 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2019-07-18 14:14:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 199.23 Mbit/s

95th percentile per-packet one-way delay: 0.826 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 148.04 Mbit/s

95th percentile per-packet one-way delay: 0.827 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.82 Mbit/s

95th percentile per-packet one-way delay: 0.835 ms

Loss rate: 0.00%

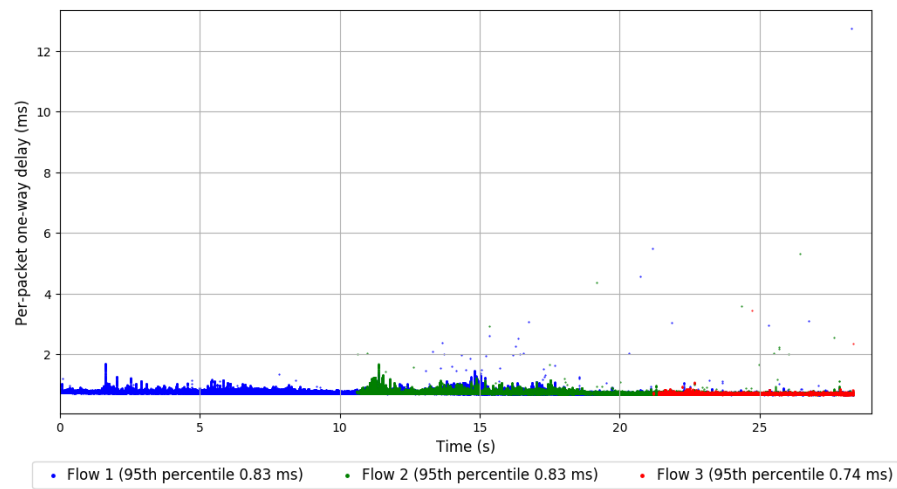
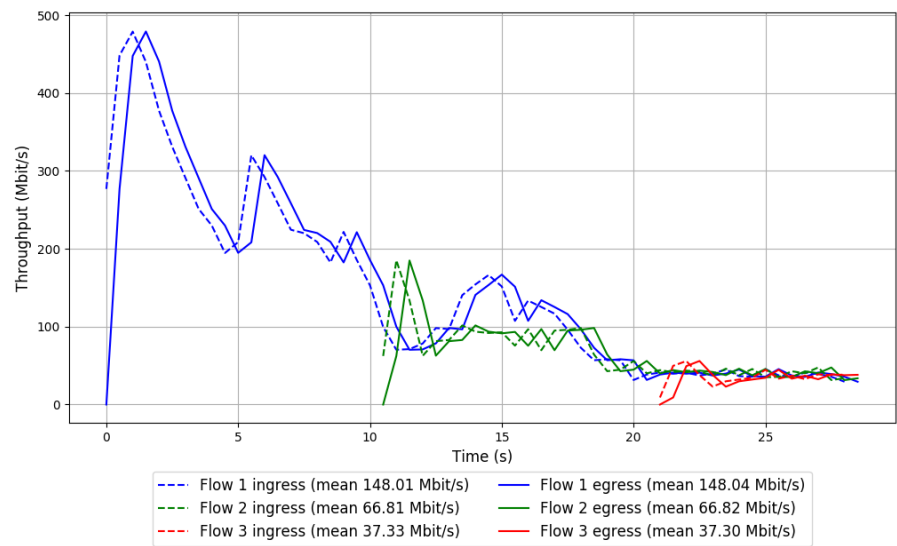
-- Flow 3:

Average throughput: 37.30 Mbit/s

95th percentile per-packet one-way delay: 0.742 ms

Loss rate: 0.07%

Run 5: Report of Indigo-MusesT — Data Link

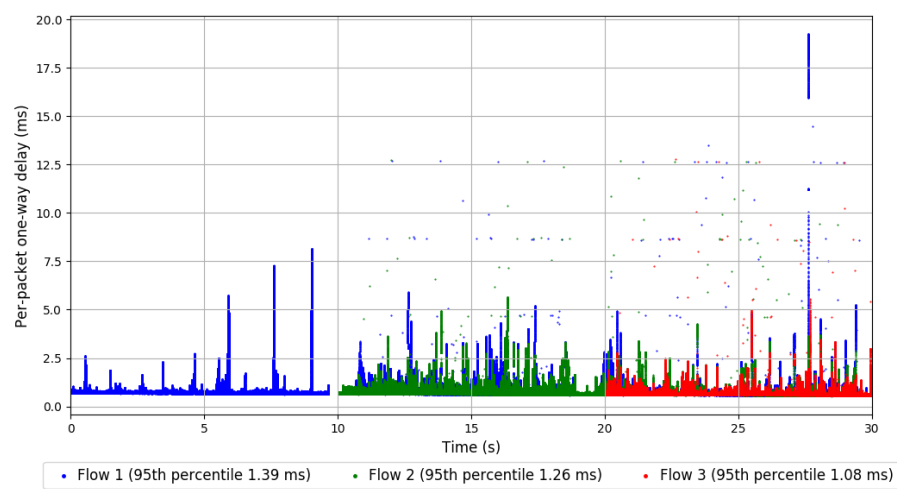
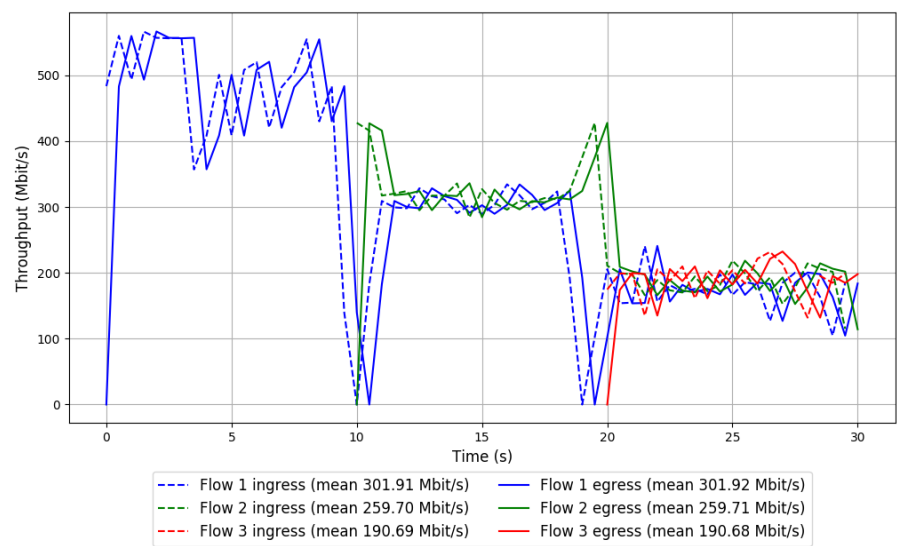


```
Run 1: Statistics of LEDBAT

Start at: 2019-07-18 11:06:01
End at: 2019-07-18 11:06:31
Local clock offset: 3.054 ms
Remote clock offset: 4.482 ms

# Below is generated by plot.py at 2019-07-18 14:18:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 538.01 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 301.92 Mbit/s
95th percentile per-packet one-way delay: 1.391 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 259.71 Mbit/s
95th percentile per-packet one-way delay: 1.264 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 190.68 Mbit/s
95th percentile per-packet one-way delay: 1.079 ms
Loss rate: 0.03%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-07-18 11:40:16

End at: 2019-07-18 11:40:46

Local clock offset: 4.384 ms

Remote clock offset: 3.868 ms

Below is generated by plot.py at 2019-07-18 14:19:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 552.29 Mbit/s

95th percentile per-packet one-way delay: 1.923 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 335.14 Mbit/s

95th percentile per-packet one-way delay: 2.258 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 235.13 Mbit/s

95th percentile per-packet one-way delay: 1.698 ms

Loss rate: 0.00%

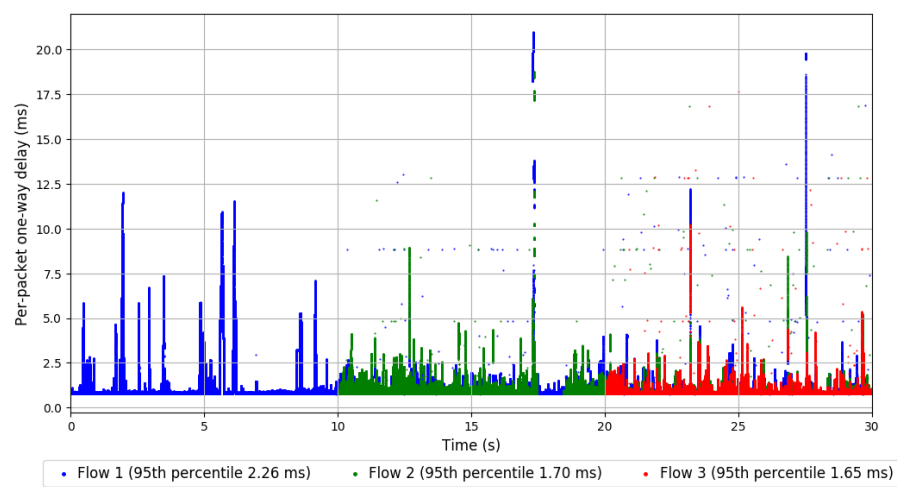
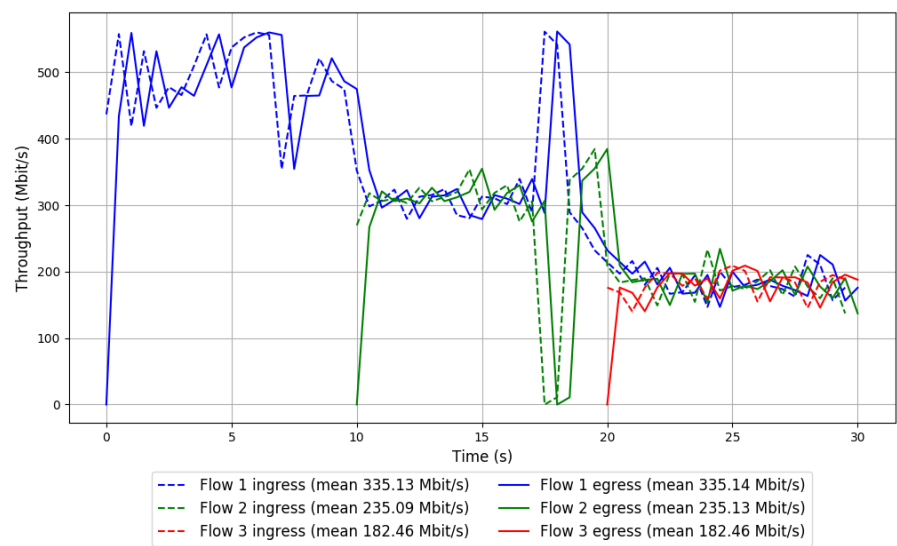
-- Flow 3:

Average throughput: 182.46 Mbit/s

95th percentile per-packet one-way delay: 1.653 ms

Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-07-18 12:14:28

End at: 2019-07-18 12:14:58

Local clock offset: 3.68 ms

Remote clock offset: 3.372 ms

Below is generated by plot.py at 2019-07-18 14:19:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 555.71 Mbit/s

95th percentile per-packet one-way delay: 1.947 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 332.86 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 232.67 Mbit/s

95th percentile per-packet one-way delay: 1.559 ms

Loss rate: 0.01%

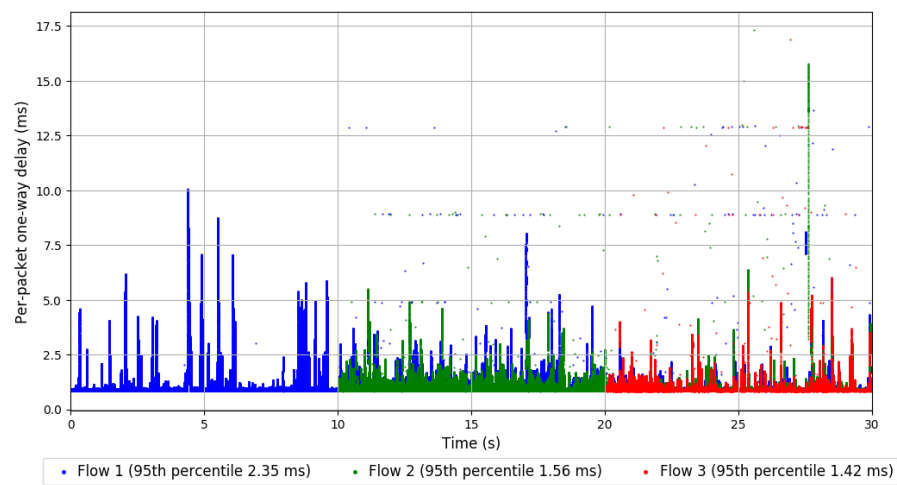
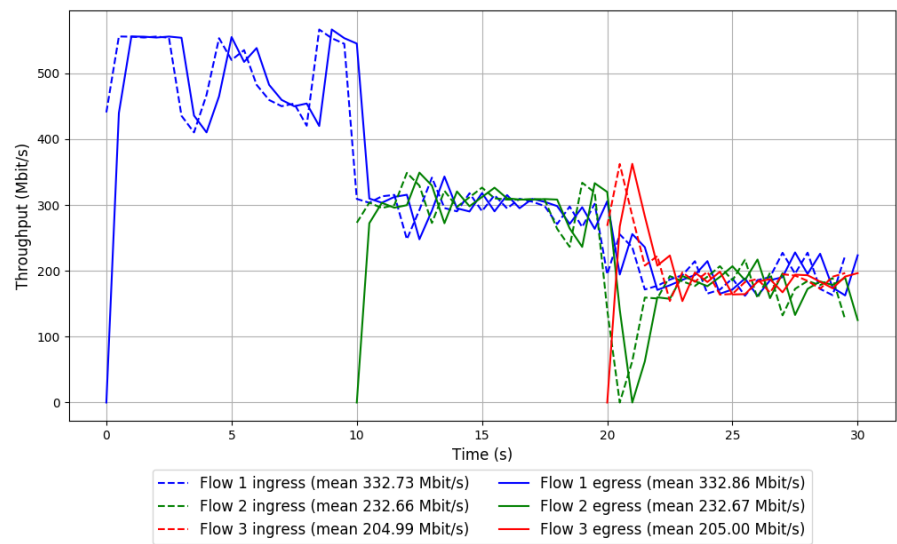
-- Flow 3:

Average throughput: 205.00 Mbit/s

95th percentile per-packet one-way delay: 1.422 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-07-18 12:48:54

End at: 2019-07-18 12:49:24

Local clock offset: 0.478 ms

Remote clock offset: 3.307 ms

Below is generated by plot.py at 2019-07-18 14:20:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 536.71 Mbit/s

95th percentile per-packet one-way delay: 2.296 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 308.54 Mbit/s

95th percentile per-packet one-way delay: 2.796 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 244.61 Mbit/s

95th percentile per-packet one-way delay: 1.935 ms

Loss rate: 0.00%

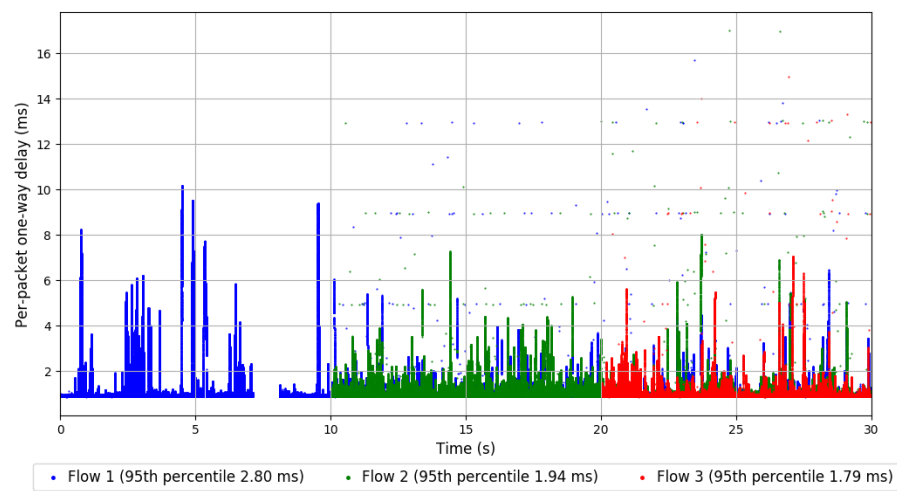
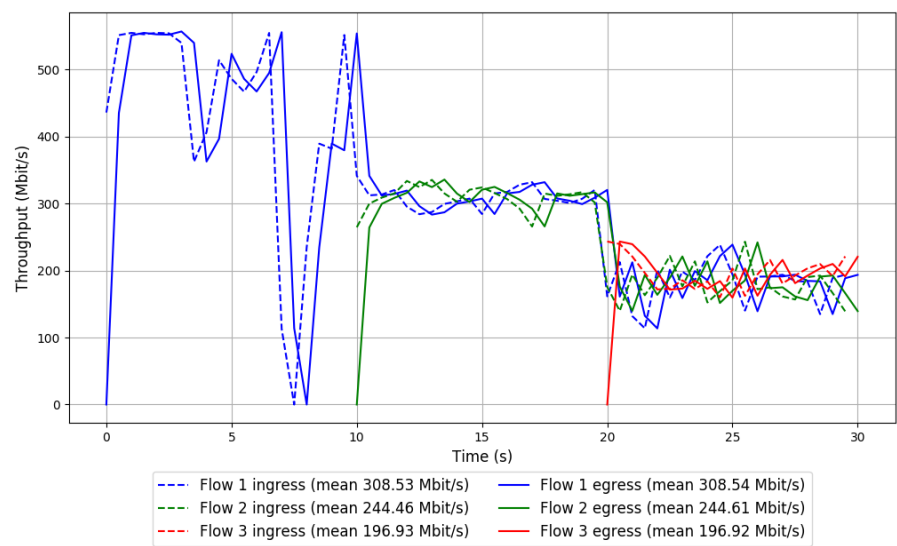
-- Flow 3:

Average throughput: 196.92 Mbit/s

95th percentile per-packet one-way delay: 1.794 ms

Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-07-18 13:23:17

End at: 2019-07-18 13:23:47

Local clock offset: 0.036 ms

Remote clock offset: 0.801 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 555.66 Mbit/s

95th percentile per-packet one-way delay: 2.869 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 332.78 Mbit/s

95th percentile per-packet one-way delay: 4.027 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 245.20 Mbit/s

95th percentile per-packet one-way delay: 1.508 ms

Loss rate: 0.02%

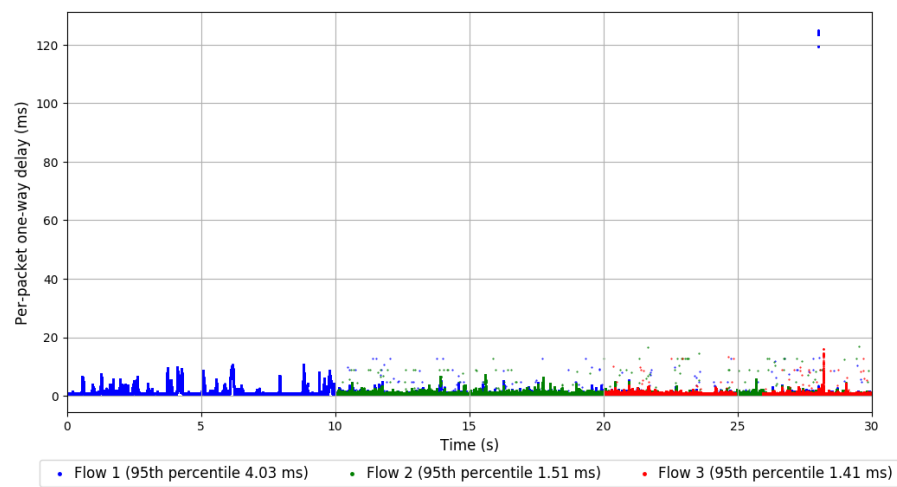
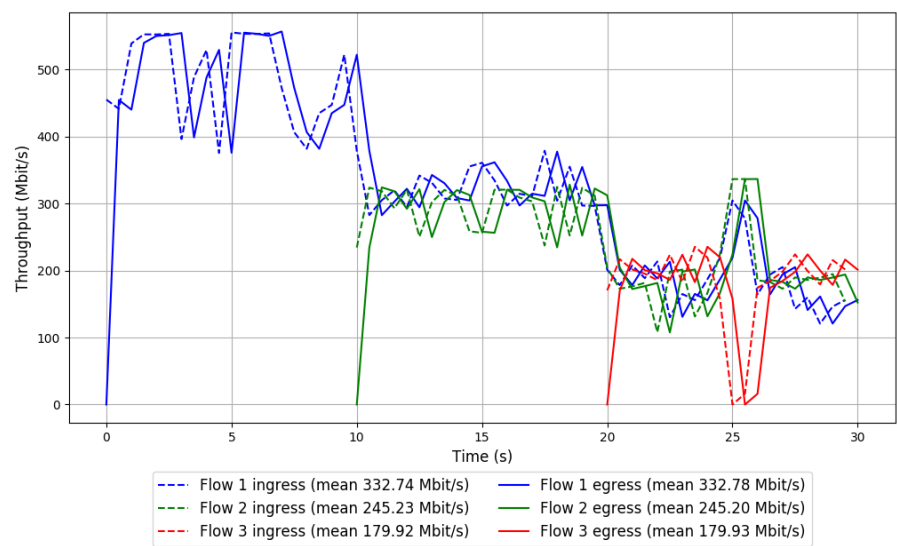
-- Flow 3:

Average throughput: 179.93 Mbit/s

95th percentile per-packet one-way delay: 1.408 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-18 10:55:05

End at: 2019-07-18 10:55:35

Local clock offset: -2.403 ms

Remote clock offset: 5.072 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 0.267 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.67 Mbit/s

95th percentile per-packet one-way delay: 0.281 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.33 Mbit/s

95th percentile per-packet one-way delay: 0.164 ms

Loss rate: 0.01%

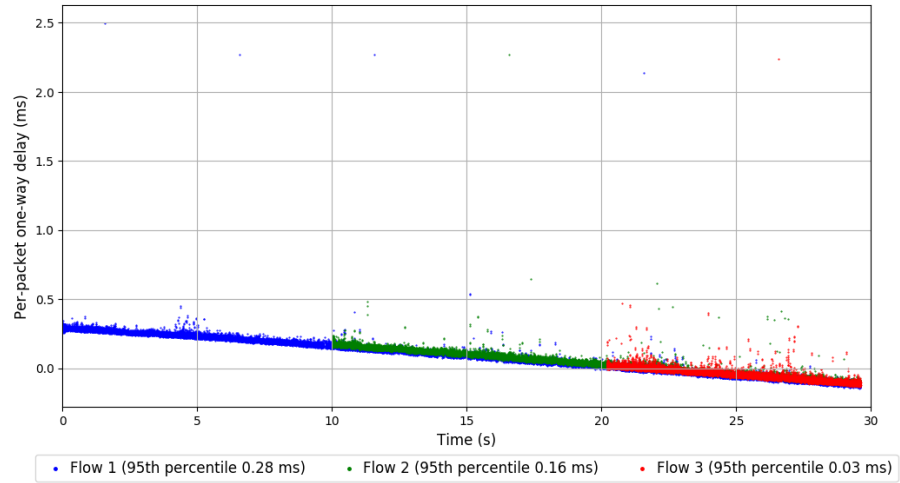
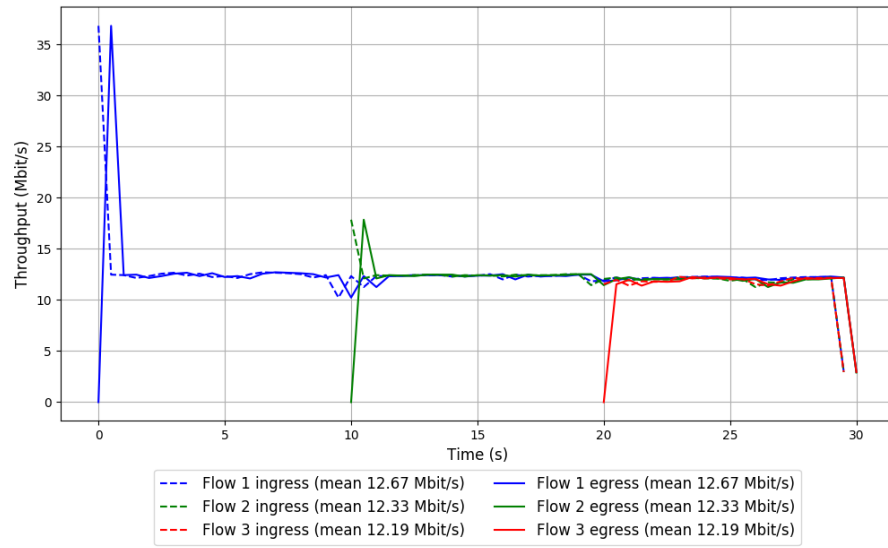
-- Flow 3:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 0.025 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-18 11:29:20

End at: 2019-07-18 11:29:50

Local clock offset: 4.987 ms

Remote clock offset: 4.789 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.95 Mbit/s

95th percentile per-packet one-way delay: 0.944 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 13.03 Mbit/s

95th percentile per-packet one-way delay: 0.950 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.41 Mbit/s

95th percentile per-packet one-way delay: 0.927 ms

Loss rate: 0.01%

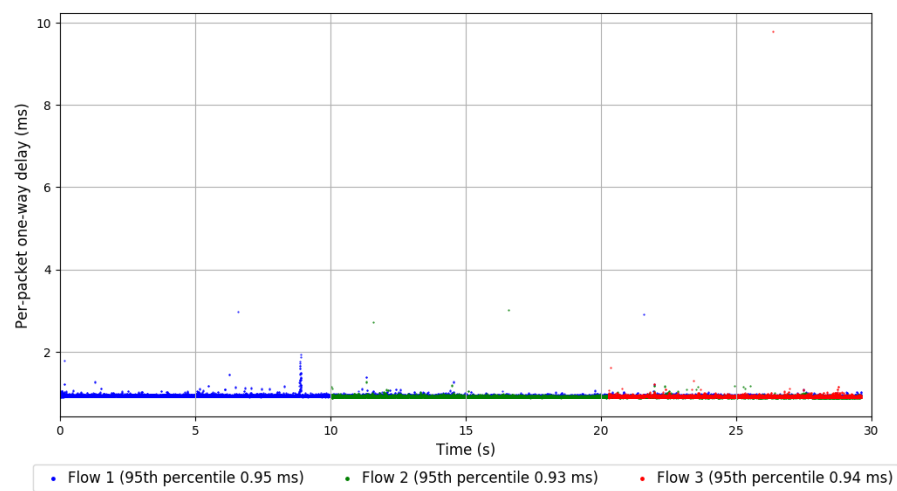
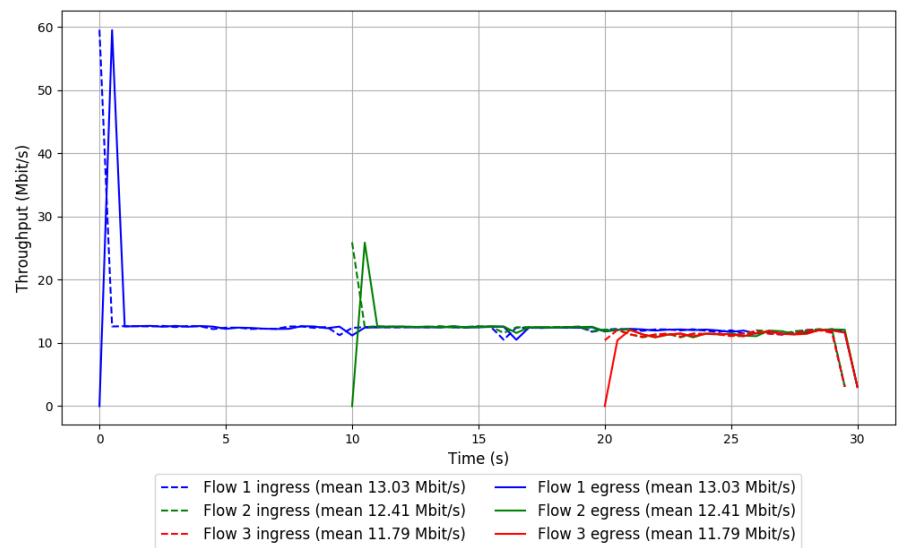
-- Flow 3:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 0.936 ms

Loss rate: 0.02%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-18 12:03:43

End at: 2019-07-18 12:04:13

Local clock offset: 3.875 ms

Remote clock offset: 3.437 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.00 Mbit/s

95th percentile per-packet one-way delay: 0.931 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.49 Mbit/s

95th percentile per-packet one-way delay: 0.938 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 0.920 ms

Loss rate: 0.01%

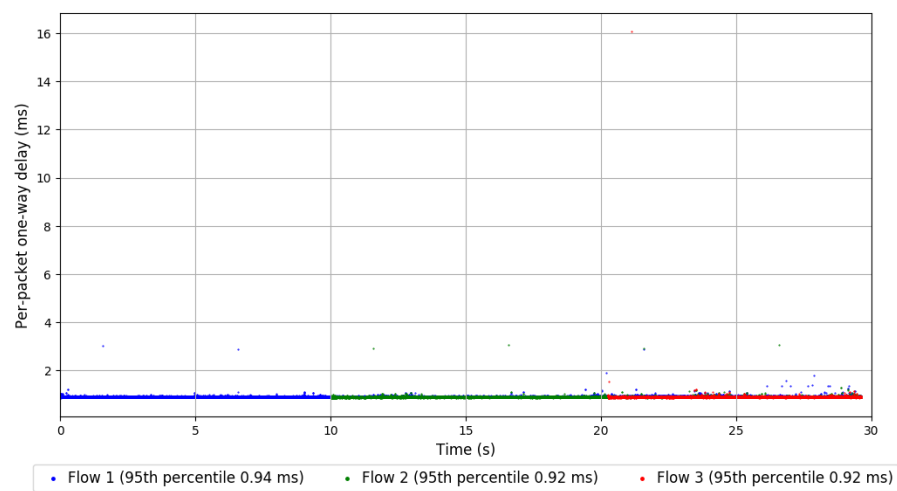
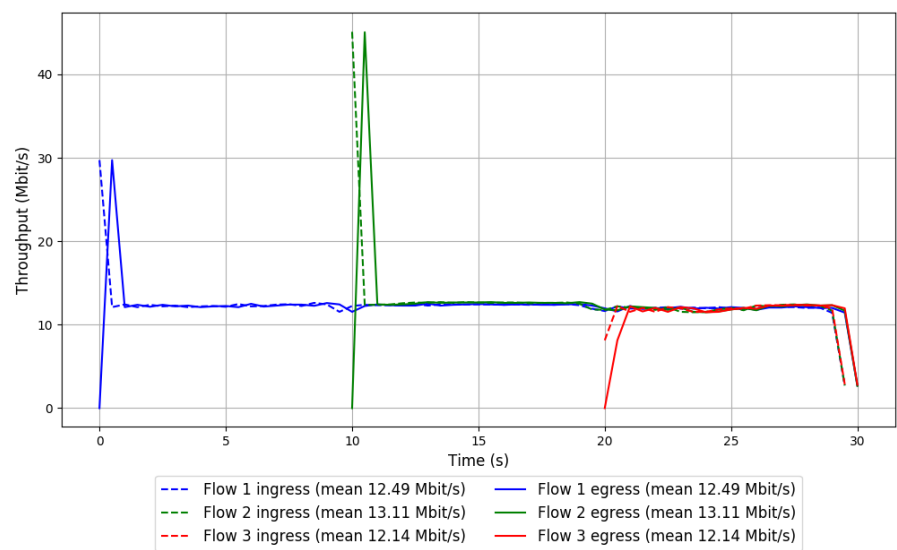
-- Flow 3:

Average throughput: 12.14 Mbit/s

95th percentile per-packet one-way delay: 0.919 ms

Loss rate: 0.02%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-18 12:37:52

End at: 2019-07-18 12:38:22

Local clock offset: 1.212 ms

Remote clock offset: 2.993 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 1.039 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 1.029 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 1.044 ms

Loss rate: 0.01%

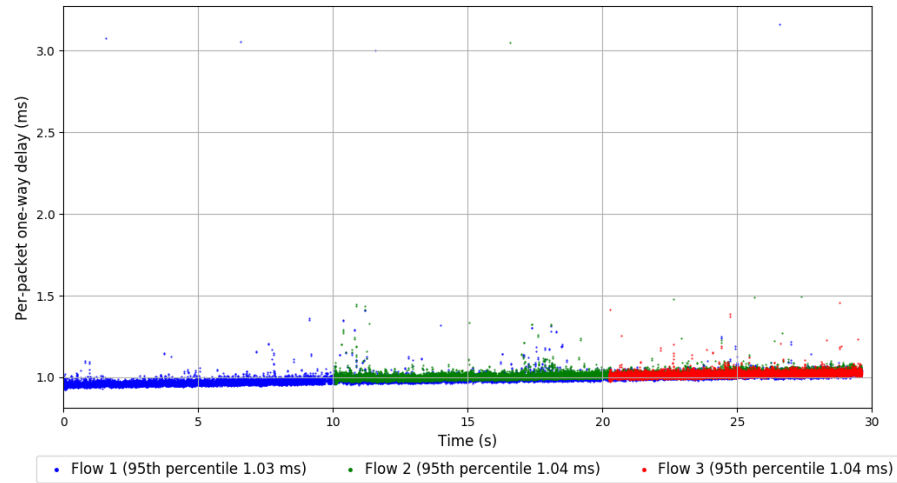
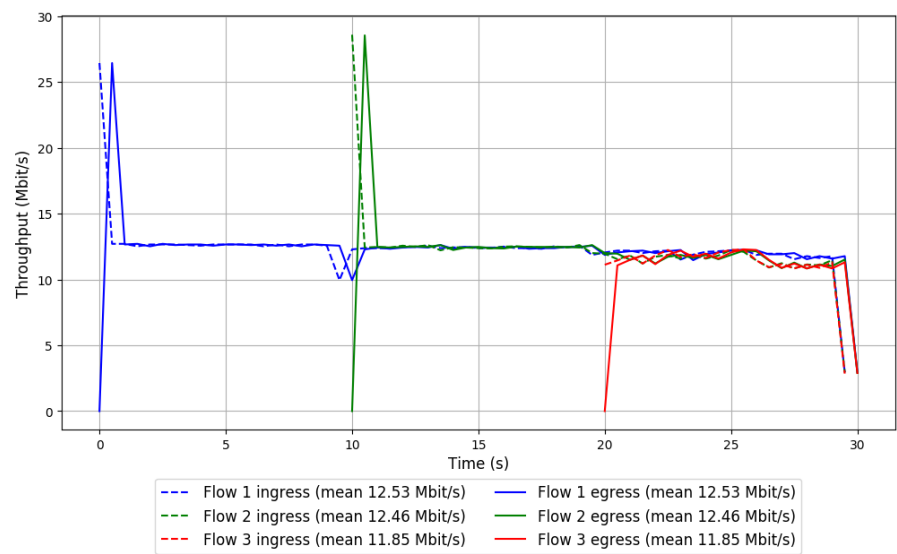
-- Flow 3:

Average throughput: 11.85 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-18 13:12:22

End at: 2019-07-18 13:12:52

Local clock offset: 0.265 ms

Remote clock offset: 3.004 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 0.814 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.35 Mbit/s

95th percentile per-packet one-way delay: 0.820 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.72 Mbit/s

95th percentile per-packet one-way delay: 0.798 ms

Loss rate: 0.01%

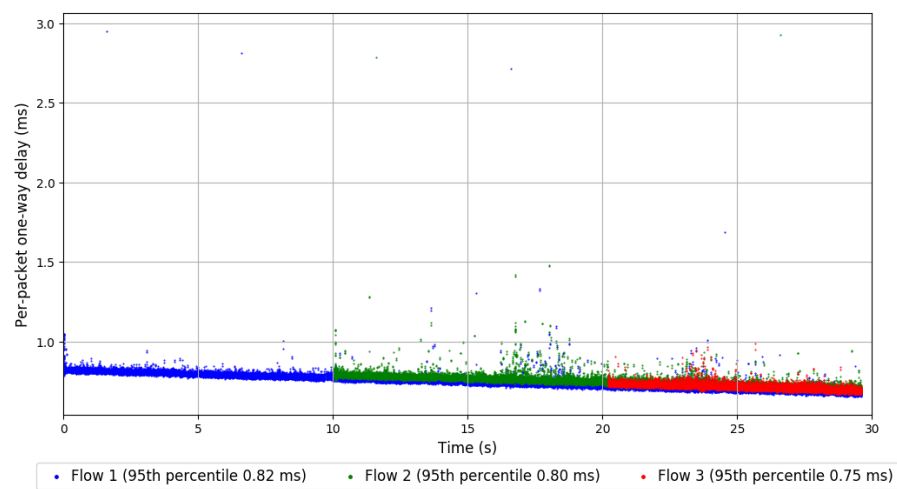
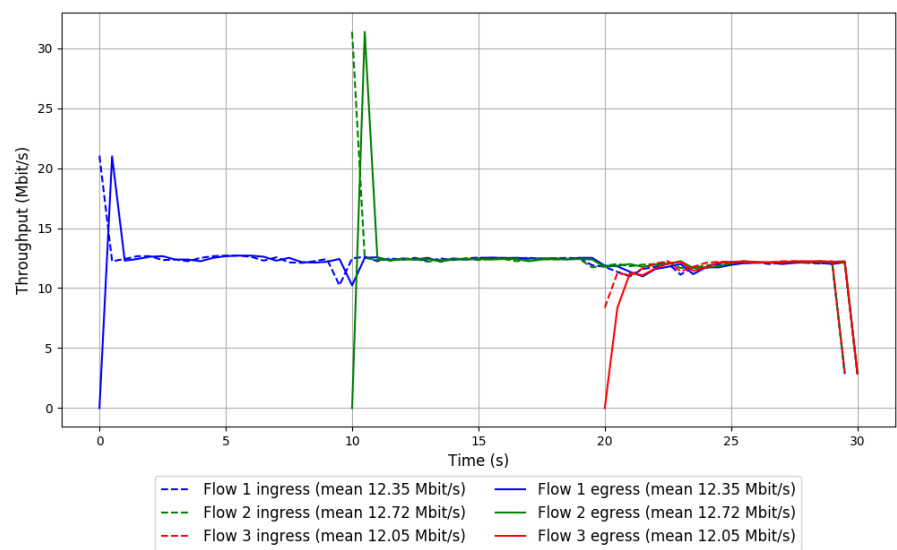
-- Flow 3:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 0.750 ms

Loss rate: 0.02%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 10:42:31

End at: 2019-07-18 10:43:01

Local clock offset: -1.148 ms

Remote clock offset: 4.556 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.58 Mbit/s

95th percentile per-packet one-way delay: 1.127 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.01 Mbit/s

95th percentile per-packet one-way delay: 1.112 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 1.130 ms

Loss rate: 0.00%

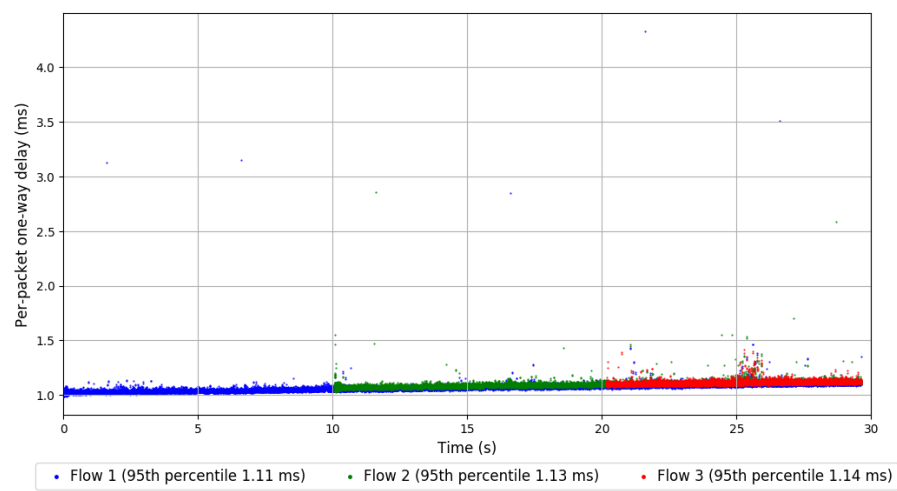
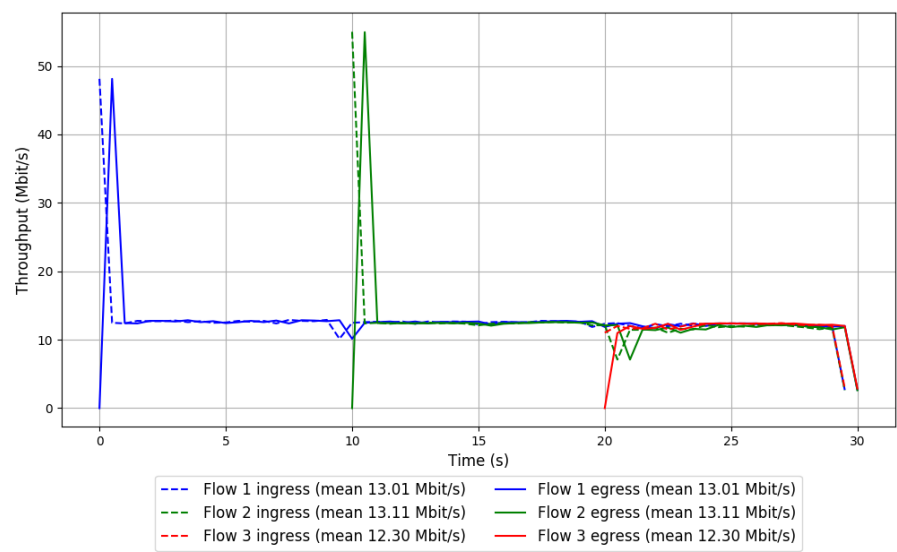
-- Flow 3:

Average throughput: 12.30 Mbit/s

95th percentile per-packet one-way delay: 1.139 ms

Loss rate: 0.02%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 11:16:48

End at: 2019-07-18 11:17:18

Local clock offset: 4.954 ms

Remote clock offset: 4.455 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.52 Mbit/s

95th percentile per-packet one-way delay: 0.914 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.71 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.31 Mbit/s

95th percentile per-packet one-way delay: 0.891 ms

Loss rate: 0.01%

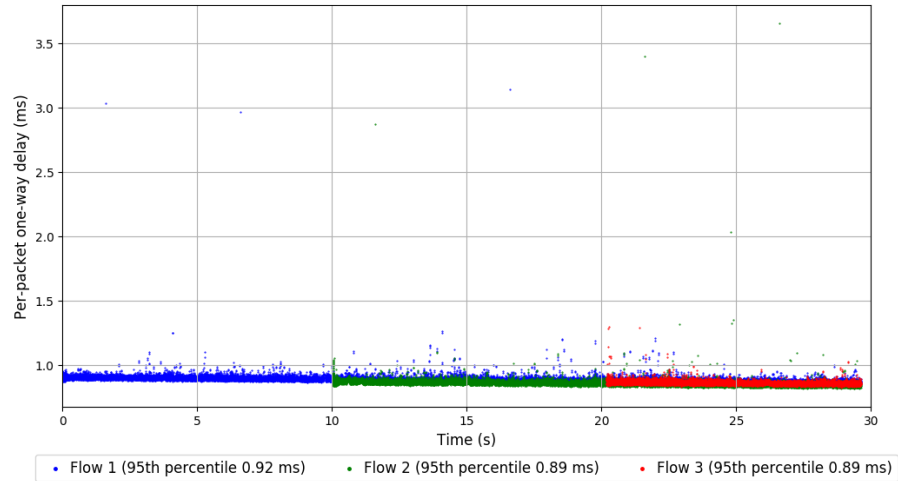
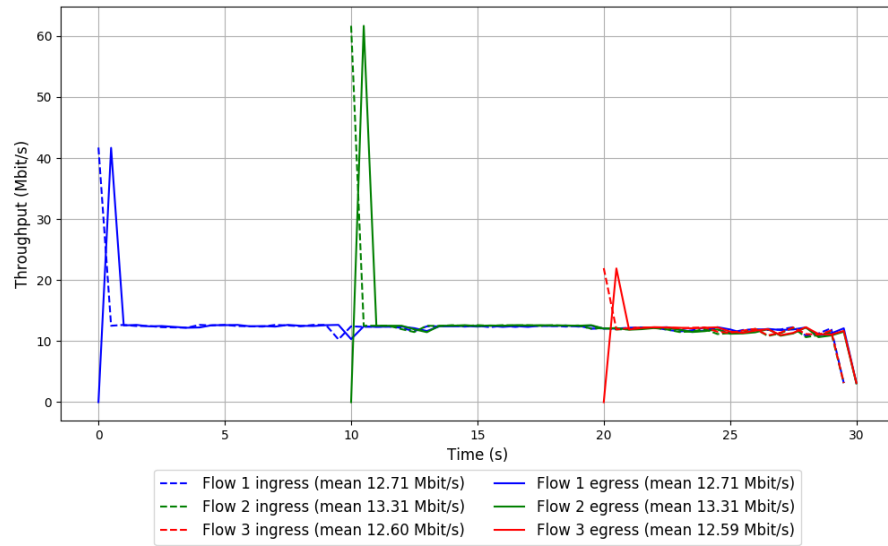
-- Flow 3:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 0.892 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 11:51:11

End at: 2019-07-18 11:51:41

Local clock offset: 4.424 ms

Remote clock offset: 3.559 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.76 Mbit/s

95th percentile per-packet one-way delay: 0.905 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 0.900 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 14.02 Mbit/s

95th percentile per-packet one-way delay: 0.912 ms

Loss rate: 0.01%

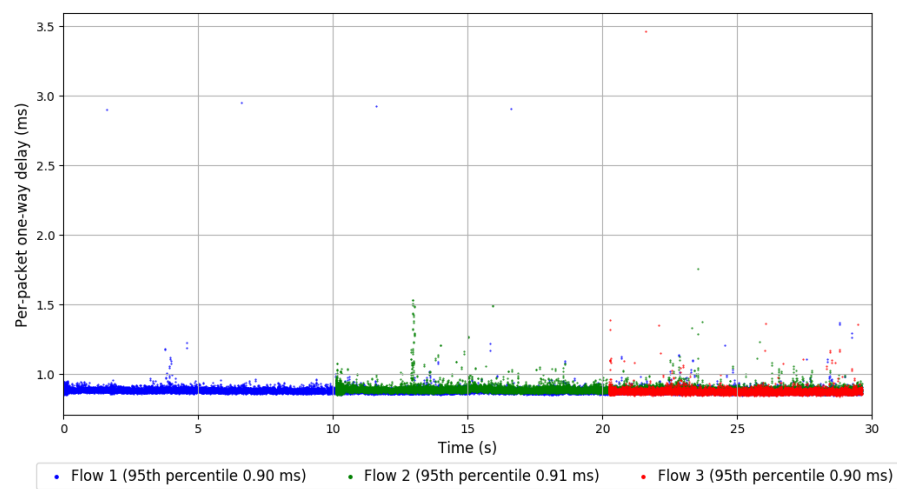
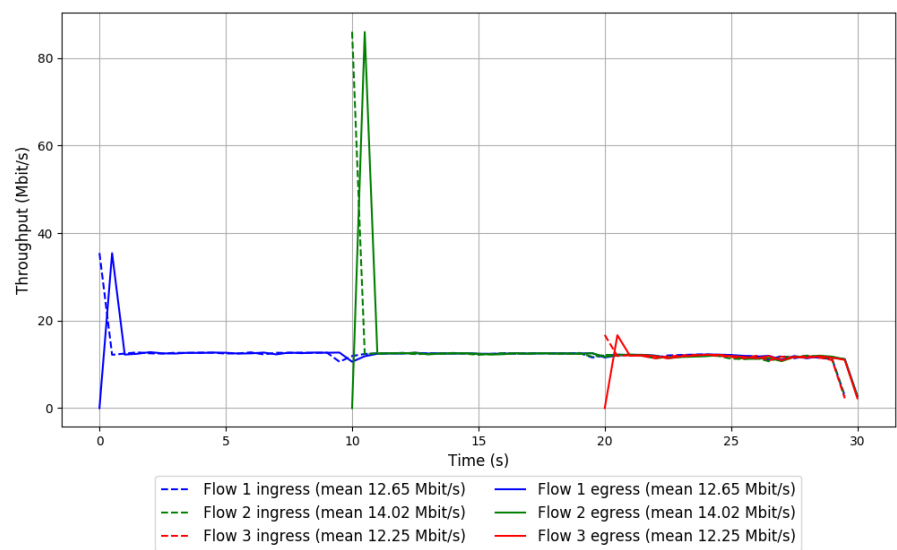
-- Flow 3:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 0.895 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 12:25:19

End at: 2019-07-18 12:25:49

Local clock offset: 3.518 ms

Remote clock offset: 3.239 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.96 Mbit/s

95th percentile per-packet one-way delay: 1.210 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 1.208 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.94 Mbit/s

95th percentile per-packet one-way delay: 1.216 ms

Loss rate: 0.01%

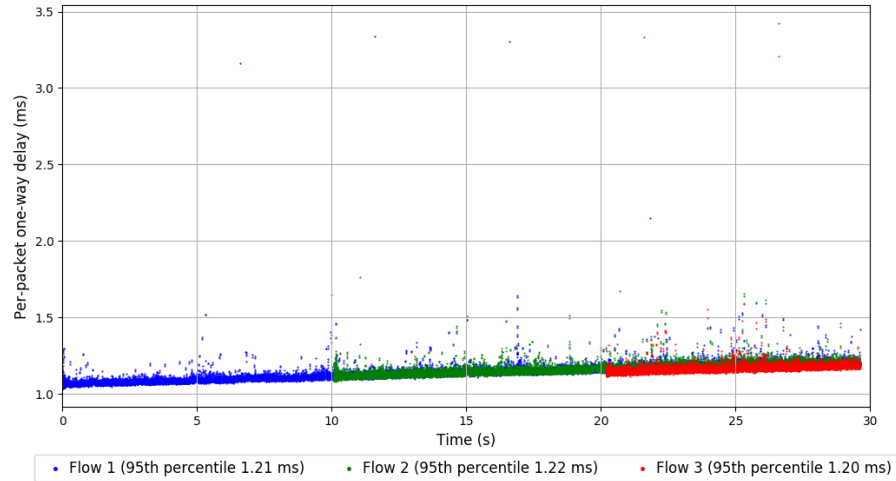
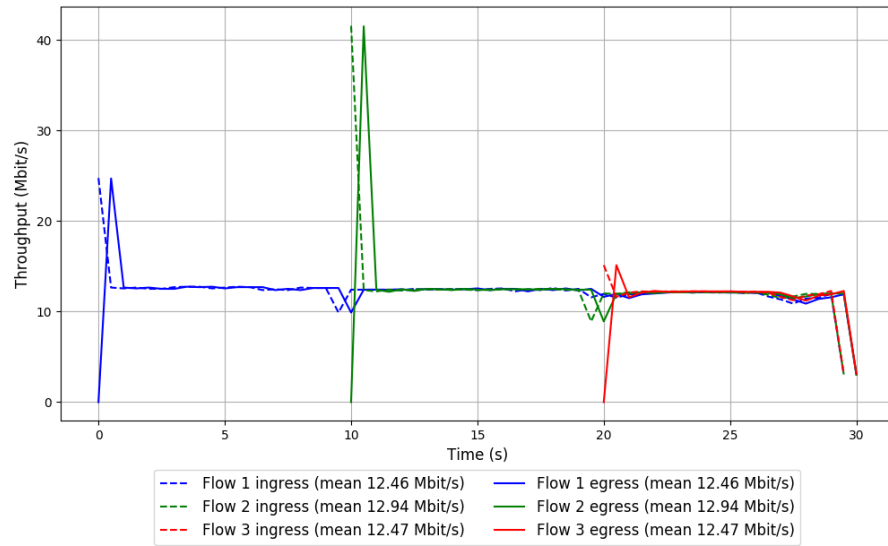
-- Flow 3:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.02%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 12:59:49

End at: 2019-07-18 13:00:19

Local clock offset: 0.313 ms

Remote clock offset: 3.288 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 0.905 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.21 Mbit/s

95th percentile per-packet one-way delay: 0.912 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.52 Mbit/s

95th percentile per-packet one-way delay: 0.896 ms

Loss rate: 0.01%

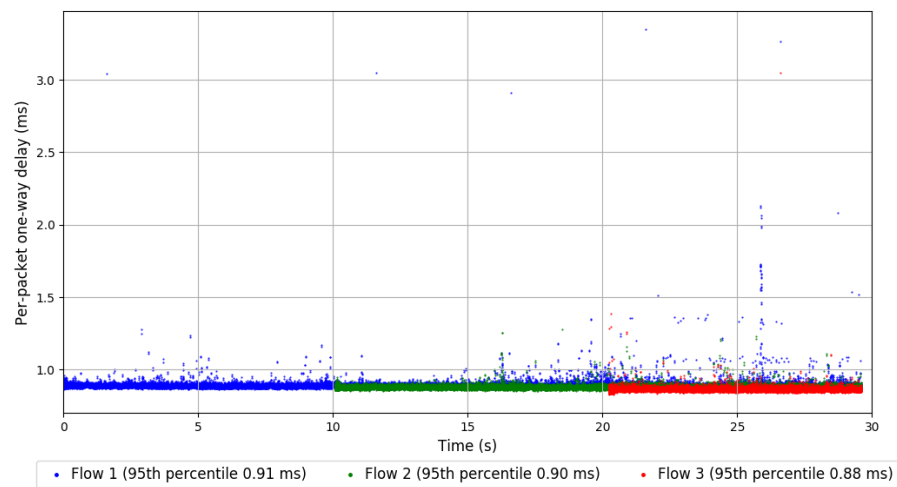
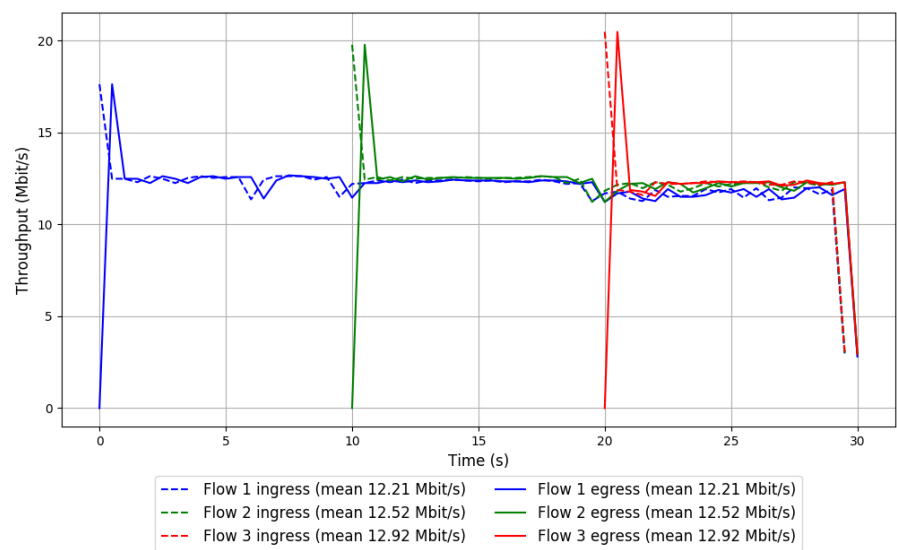
-- Flow 3:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 0.884 ms

Loss rate: 0.02%

Run 5: Report of Muses_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 10:53:50

End at: 2019-07-18 10:54:20

Local clock offset: -2.337 ms

Remote clock offset: 5.043 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.47 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 0.961 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.66 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.00%

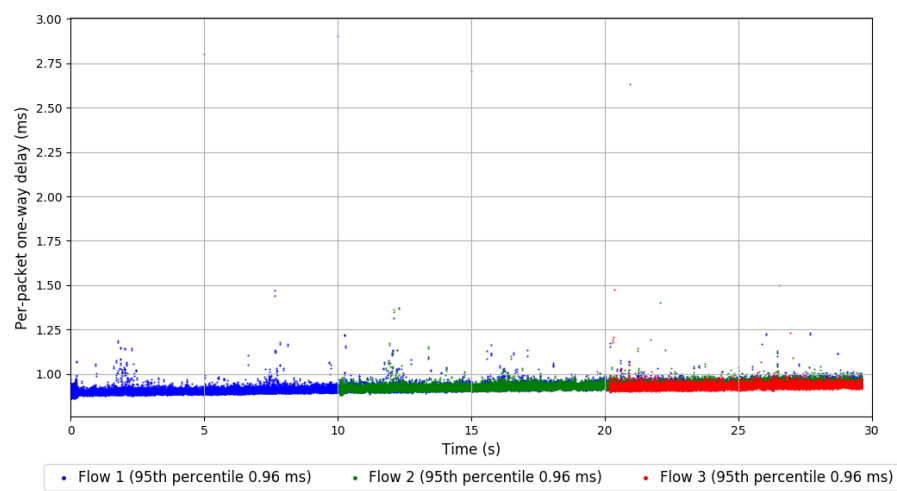
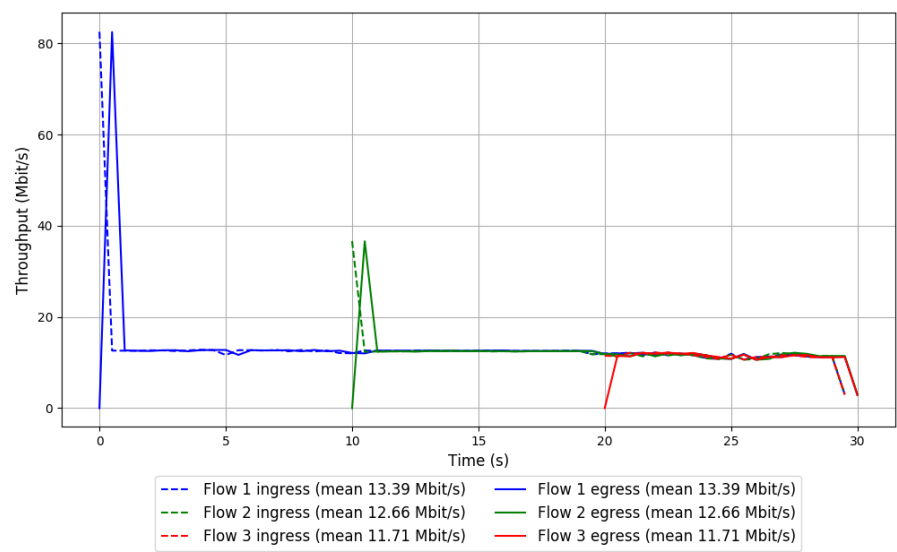
-- Flow 3:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 0.957 ms

Loss rate: 0.02%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 11:28:05

End at: 2019-07-18 11:28:35

Local clock offset: 5.148 ms

Remote clock offset: 4.662 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 1.122 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.87 Mbit/s

95th percentile per-packet one-way delay: 1.101 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.17 Mbit/s

95th percentile per-packet one-way delay: 1.124 ms

Loss rate: 0.01%

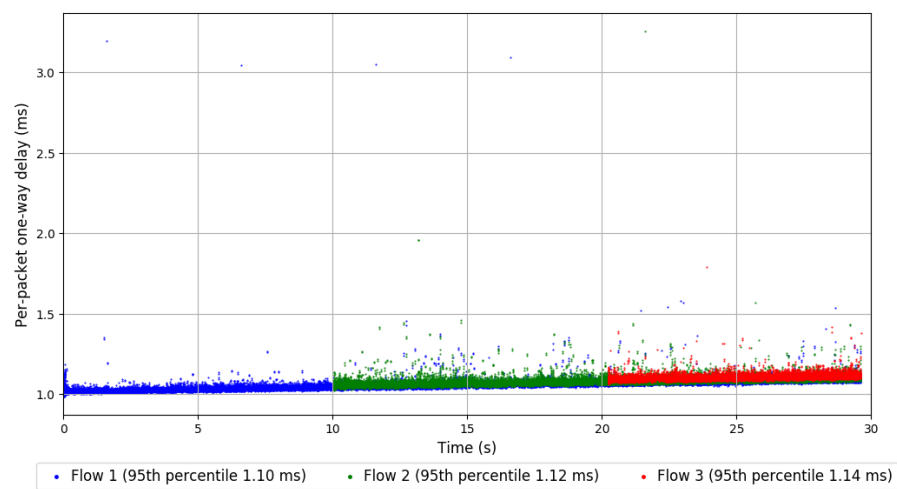
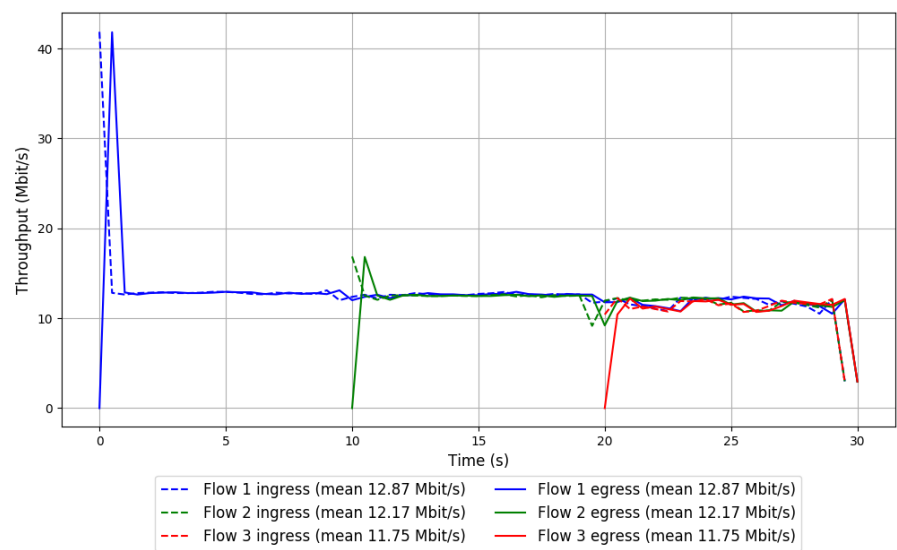
-- Flow 3:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 1.140 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 12:02:28

End at: 2019-07-18 12:02:58

Local clock offset: 3.934 ms

Remote clock offset: 3.44 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 0.950 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.50 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.26 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.00%

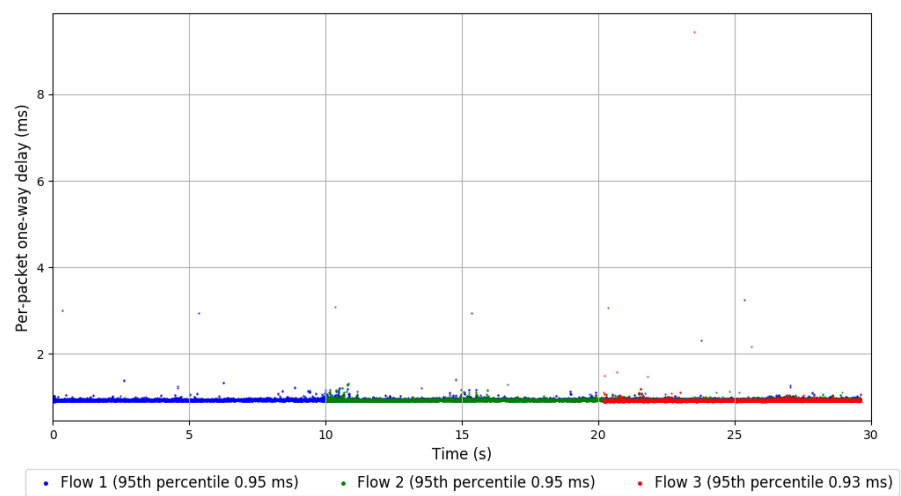
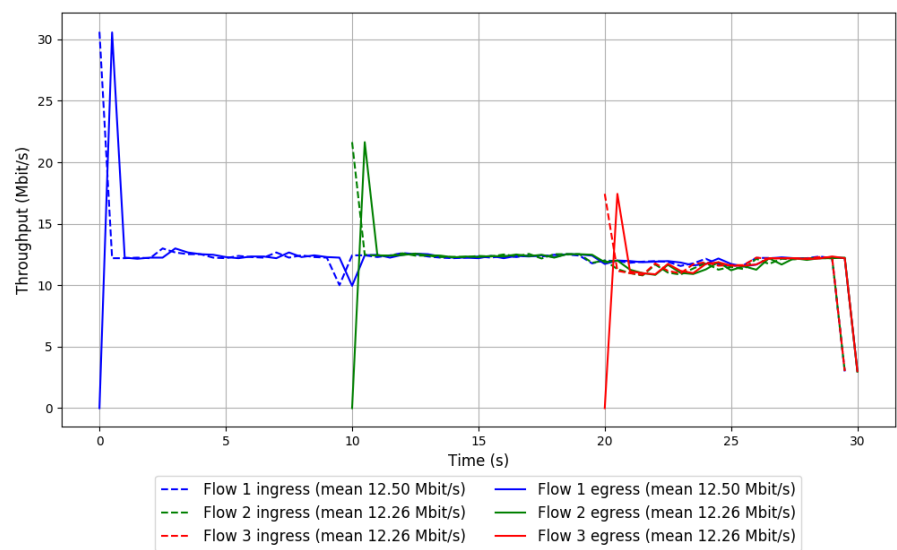
-- Flow 3:

Average throughput: 12.26 Mbit/s

95th percentile per-packet one-way delay: 0.933 ms

Loss rate: 0.02%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 12:36:37

End at: 2019-07-18 12:37:07

Local clock offset: 1.382 ms

Remote clock offset: 2.968 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.16 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 1.077 ms

Loss rate: 0.01%

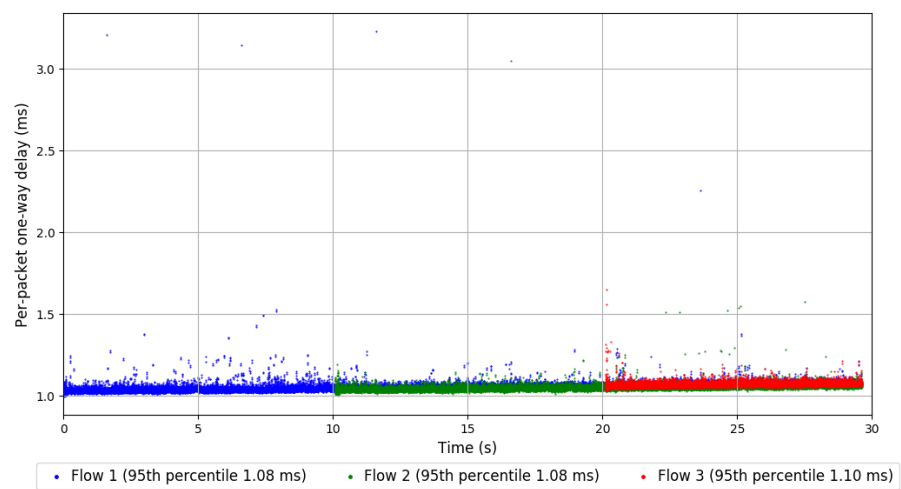
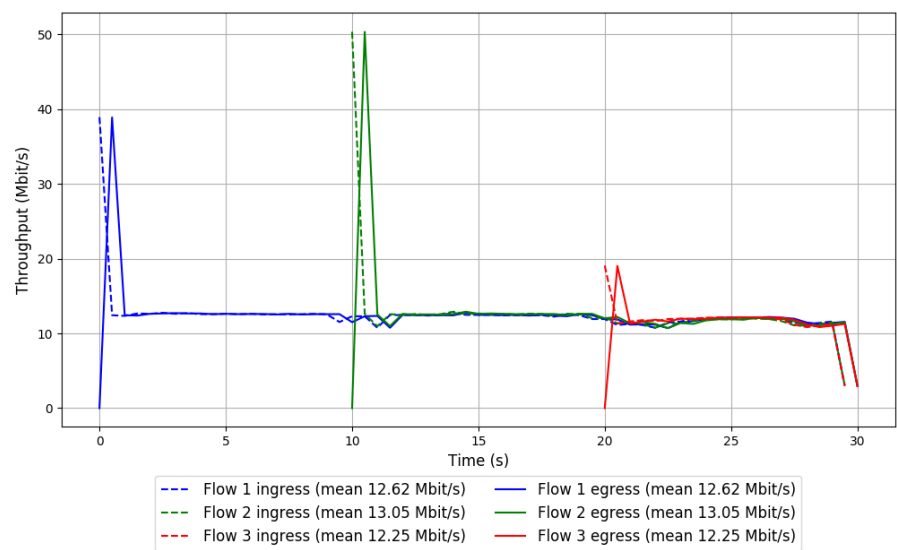
-- Flow 3:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 1.097 ms

Loss rate: 0.02%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 13:11:07

End at: 2019-07-18 13:11:37

Local clock offset: 0.285 ms

Remote clock offset: 3.119 ms

Below is generated by plot.py at 2019-07-18 14:20:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.06 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 13.02 Mbit/s

95th percentile per-packet one-way delay: 0.966 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 0.958 ms

Loss rate: 0.00%

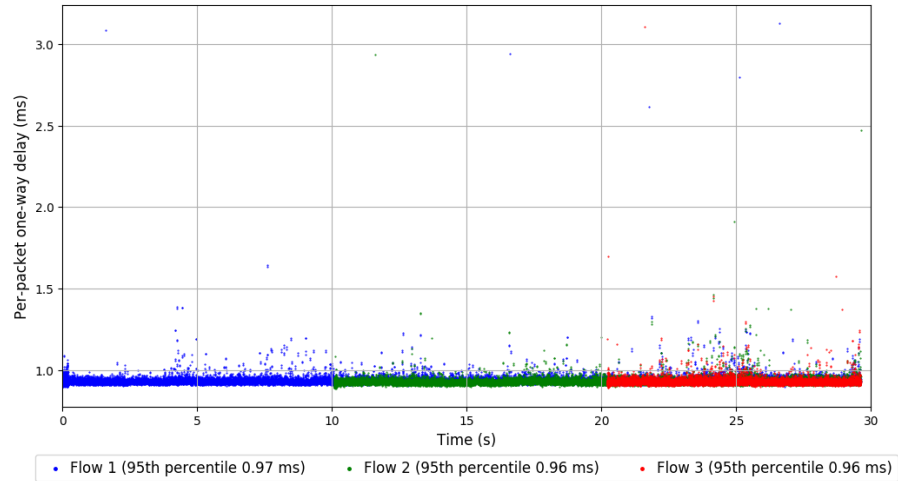
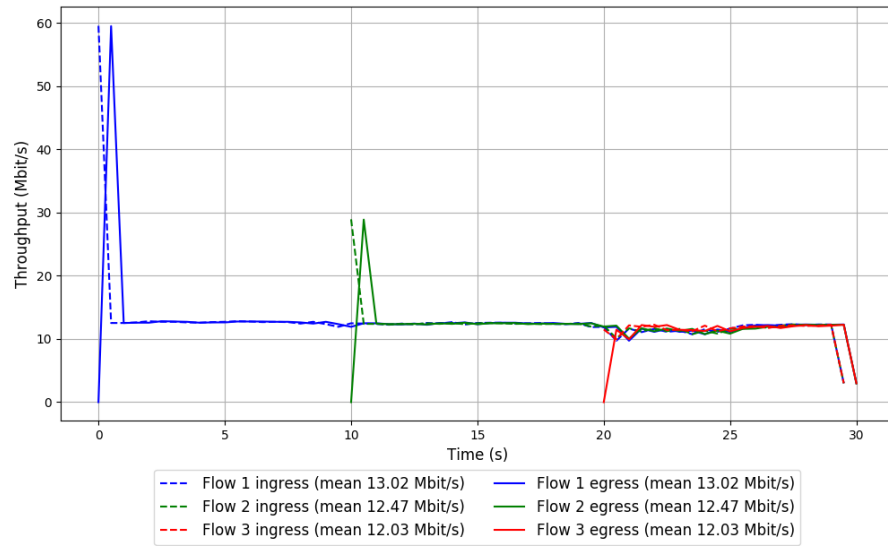
-- Flow 3:

Average throughput: 12.03 Mbit/s

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

Loss rate: 0.02%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-07-18 10:41:02

End at: 2019-07-18 10:41:32

Local clock offset: -0.921 ms

Remote clock offset: 4.498 ms

Below is generated by plot.py at 2019-07-18 14:22:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 583.60 Mbit/s

95th percentile per-packet one-way delay: 2.149 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 495.86 Mbit/s

95th percentile per-packet one-way delay: 1.704 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.47 Mbit/s

95th percentile per-packet one-way delay: 1.566 ms

Loss rate: 0.01%

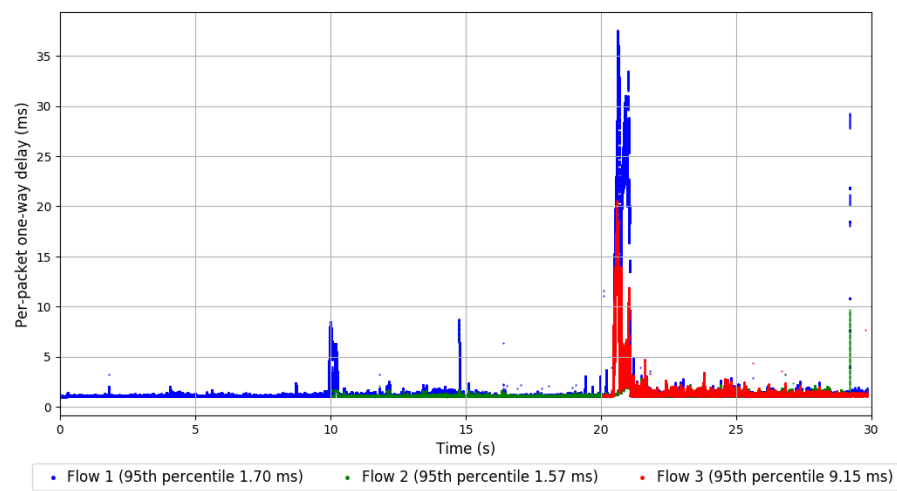
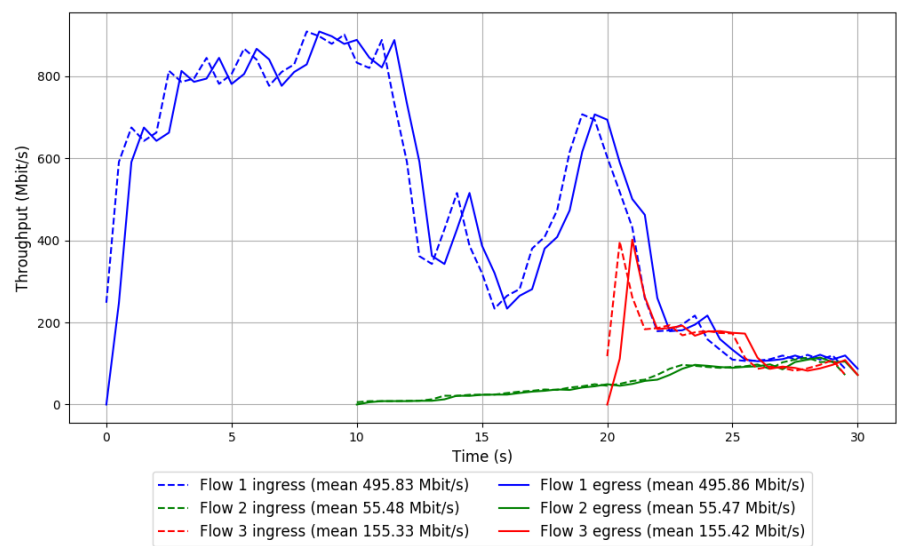
-- Flow 3:

Average throughput: 155.42 Mbit/s

95th percentile per-packet one-way delay: 9.150 ms

Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-07-18 11:15:20

End at: 2019-07-18 11:15:50

Local clock offset: 4.768 ms

Remote clock offset: 4.539 ms

Below is generated by plot.py at 2019-07-18 14:22:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 559.12 Mbit/s

95th percentile per-packet one-way delay: 1.211 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 372.77 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 189.60 Mbit/s

95th percentile per-packet one-way delay: 1.265 ms

Loss rate: 0.01%

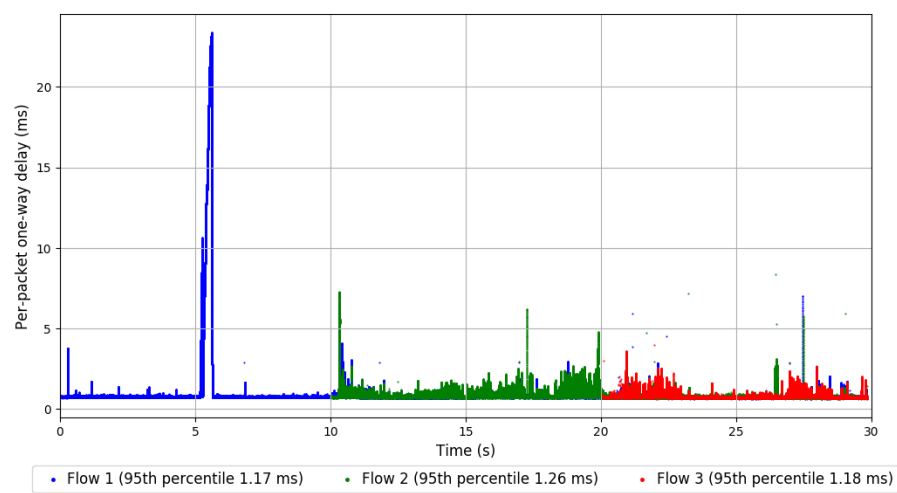
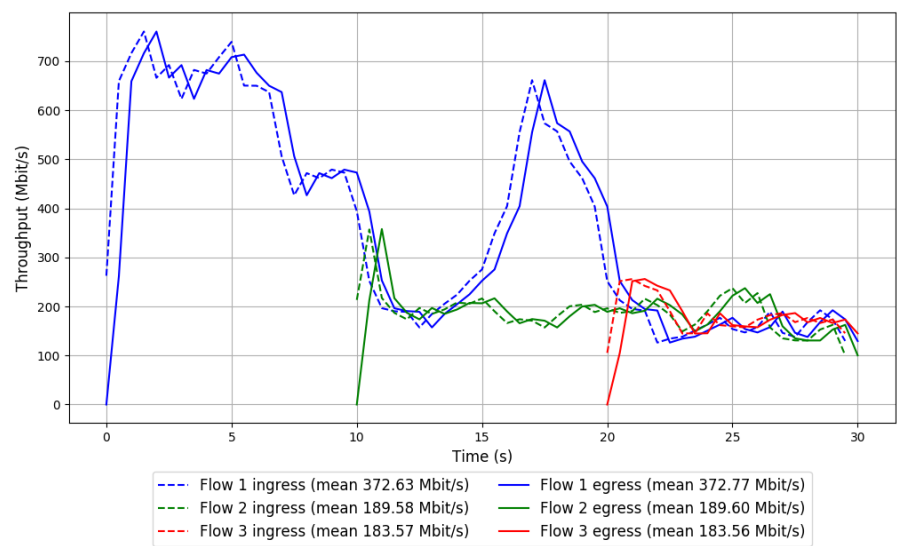
-- Flow 3:

Average throughput: 183.56 Mbit/s

95th percentile per-packet one-way delay: 1.184 ms

Loss rate: 0.02%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-07-18 11:49:40

End at: 2019-07-18 11:50:10

Local clock offset: 4.394 ms

Remote clock offset: 3.508 ms

Below is generated by plot.py at 2019-07-18 14:23:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 650.59 Mbit/s

95th percentile per-packet one-way delay: 1.789 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 583.48 Mbit/s

95th percentile per-packet one-way delay: 1.883 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.81 Mbit/s

95th percentile per-packet one-way delay: 1.081 ms

Loss rate: 0.02%

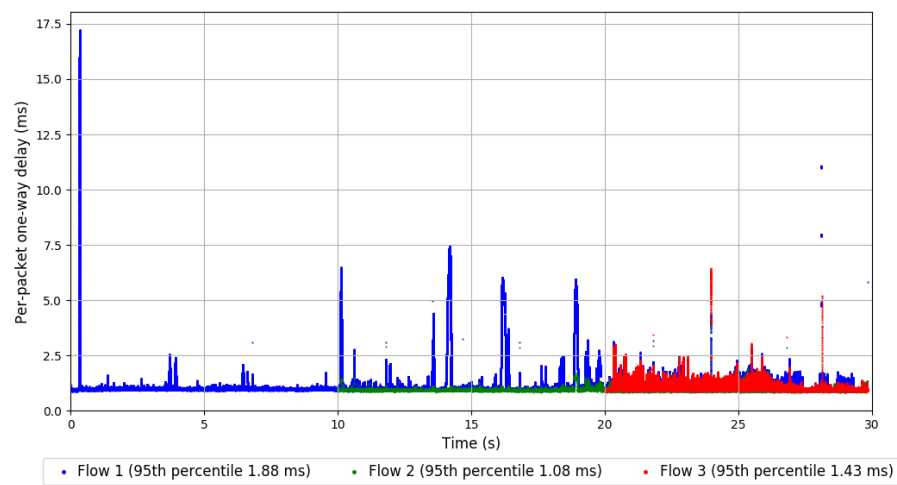
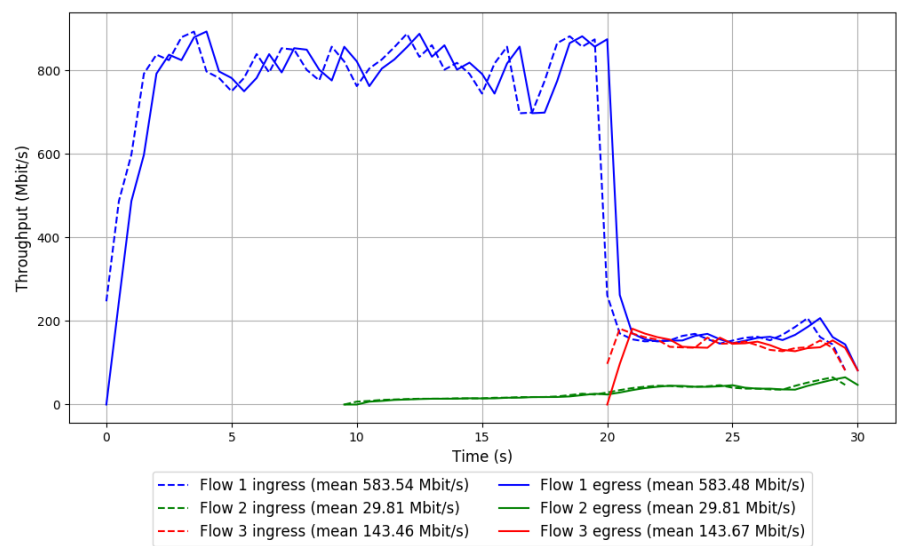
-- Flow 3:

Average throughput: 143.67 Mbit/s

95th percentile per-packet one-way delay: 1.431 ms

Loss rate: 0.01%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-07-18 12:23:48

End at: 2019-07-18 12:24:18

Local clock offset: 3.654 ms

Remote clock offset: 3.2 ms

Below is generated by plot.py at 2019-07-18 14:27:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 649.96 Mbit/s

95th percentile per-packet one-way delay: 5.811 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 470.70 Mbit/s

95th percentile per-packet one-way delay: 10.914 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 185.51 Mbit/s

95th percentile per-packet one-way delay: 1.590 ms

Loss rate: 0.00%

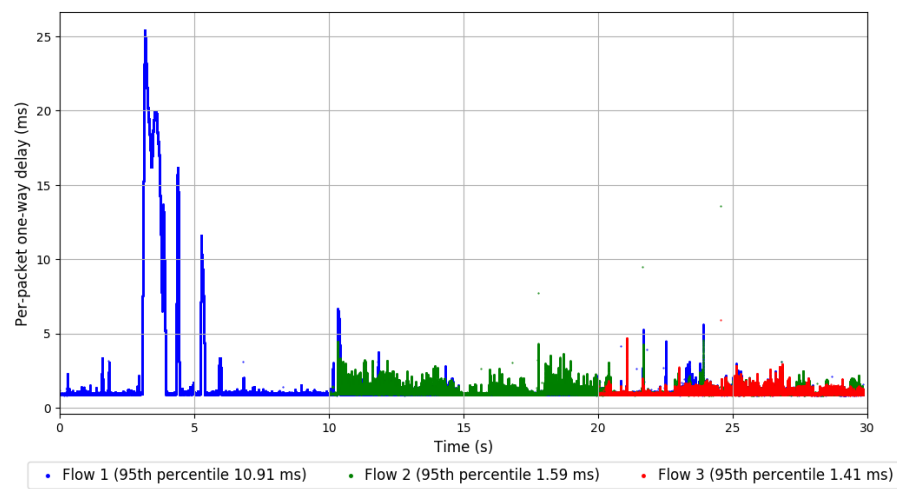
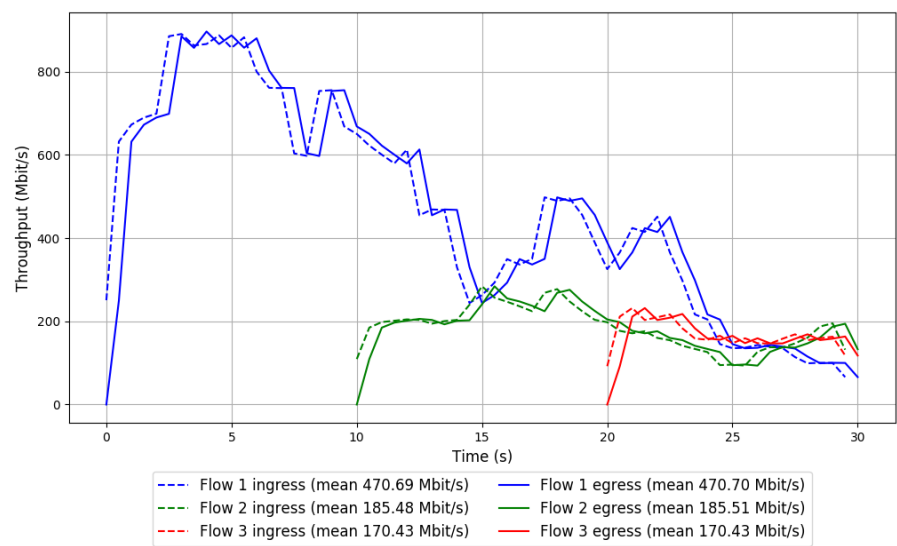
-- Flow 3:

Average throughput: 170.43 Mbit/s

95th percentile per-packet one-way delay: 1.411 ms

Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-07-18 12:58:16

End at: 2019-07-18 12:58:46

Local clock offset: 0.276 ms

Remote clock offset: 3.327 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 737.35 Mbit/s

95th percentile per-packet one-way delay: 2.443 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 592.06 Mbit/s

95th percentile per-packet one-way delay: 3.268 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 130.82 Mbit/s

95th percentile per-packet one-way delay: 1.363 ms

Loss rate: 0.01%

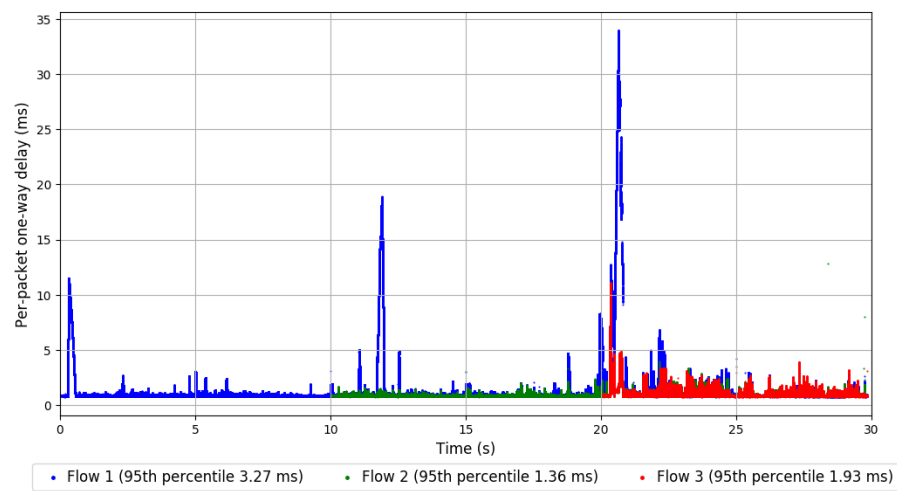
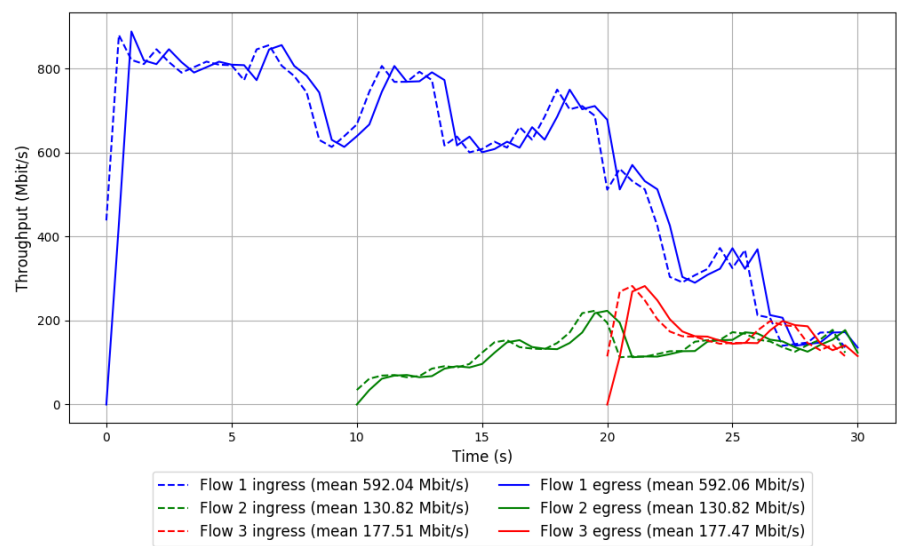
-- Flow 3:

Average throughput: 177.47 Mbit/s

95th percentile per-packet one-way delay: 1.930 ms

Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link

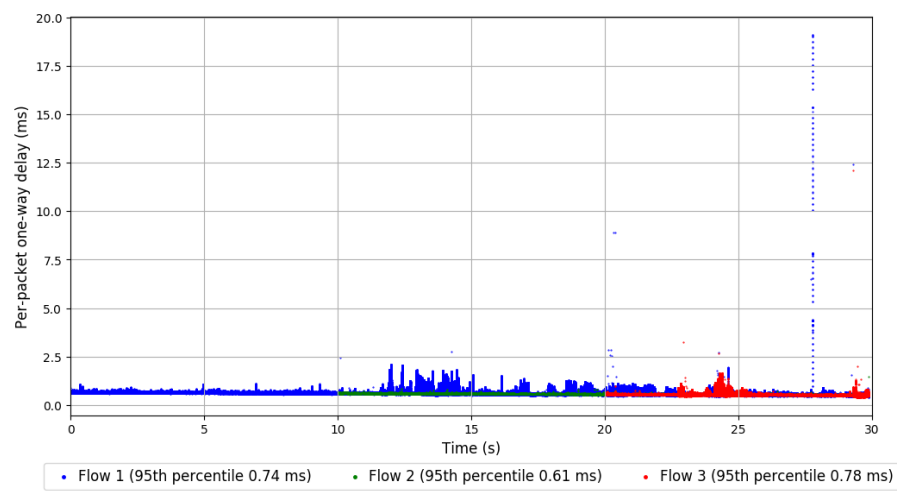
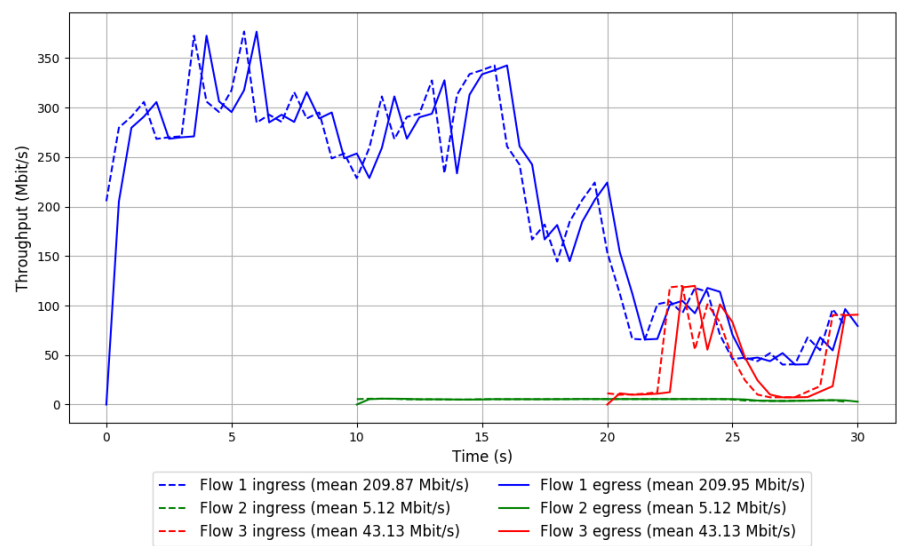


```
Run 1: Statistics of PCC-Expr

Start at: 2019-07-18 11:04:32
End at: 2019-07-18 11:05:02
Local clock offset: 2.63 ms
Remote clock offset: 4.534 ms

# Below is generated by plot.py at 2019-07-18 14:28:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 227.56 Mbit/s
95th percentile per-packet one-way delay: 0.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 209.95 Mbit/s
95th percentile per-packet one-way delay: 0.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.12 Mbit/s
95th percentile per-packet one-way delay: 0.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 0.784 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-07-18 11:38:48

End at: 2019-07-18 11:39:18

Local clock offset: 4.42 ms

Remote clock offset: 3.89 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.41 Mbit/s

95th percentile per-packet one-way delay: 1.008 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 136.86 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 101.60 Mbit/s

95th percentile per-packet one-way delay: 0.914 ms

Loss rate: 0.01%

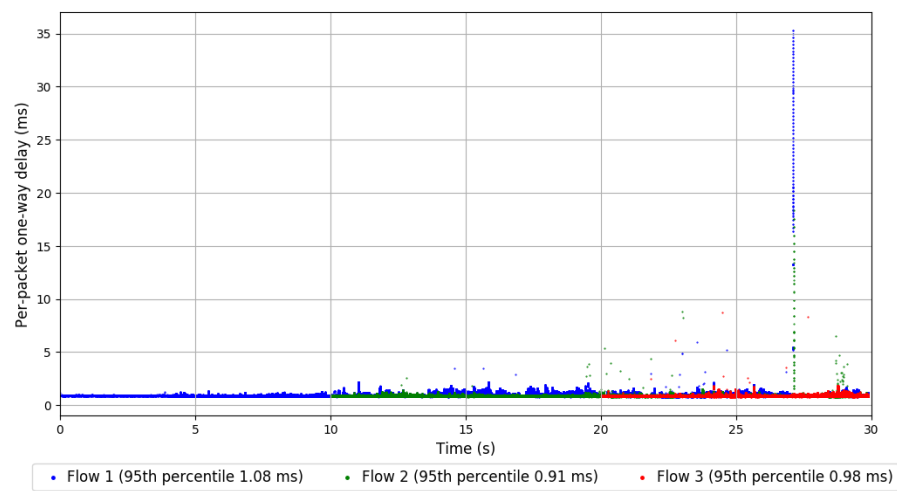
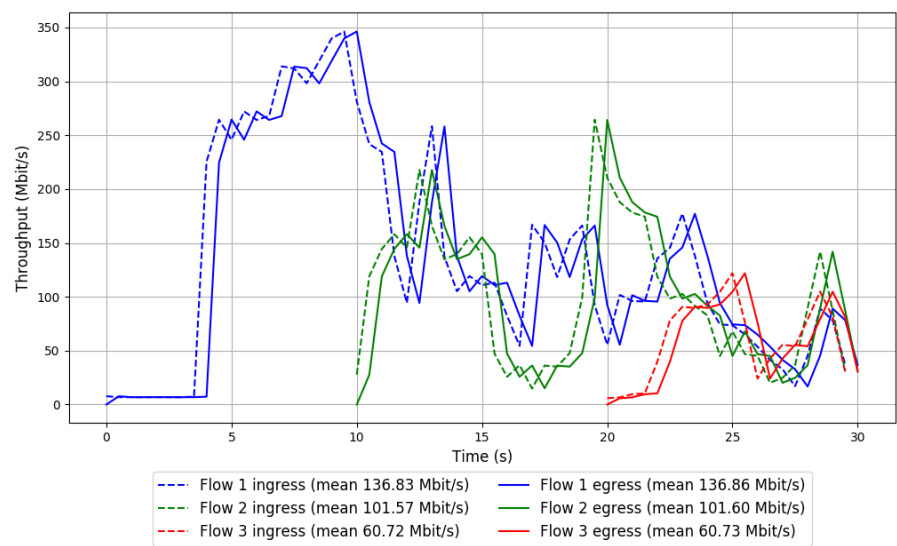
-- Flow 3:

Average throughput: 60.73 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-07-18 12:13:09

End at: 2019-07-18 12:13:39

Local clock offset: 3.706 ms

Remote clock offset: 3.357 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.72 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 32.42 Mbit/s

95th percentile per-packet one-way delay: 1.020 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 0.949 ms

Loss rate: 0.00%

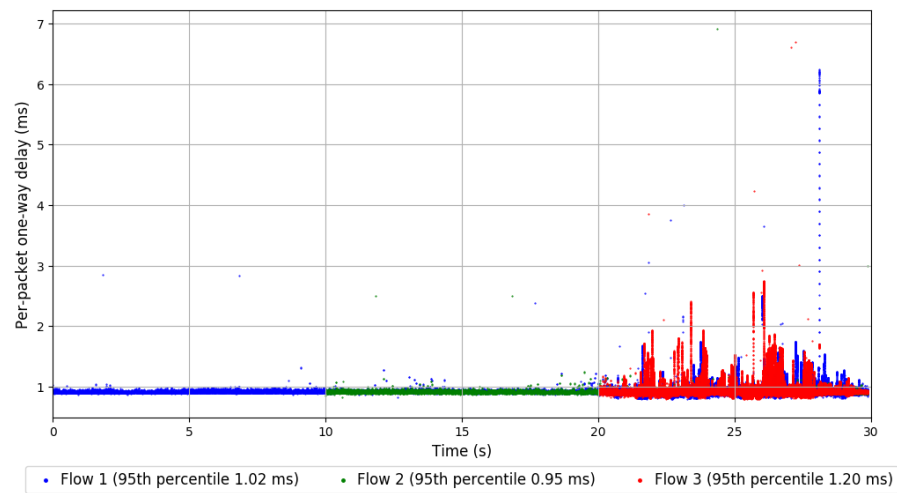
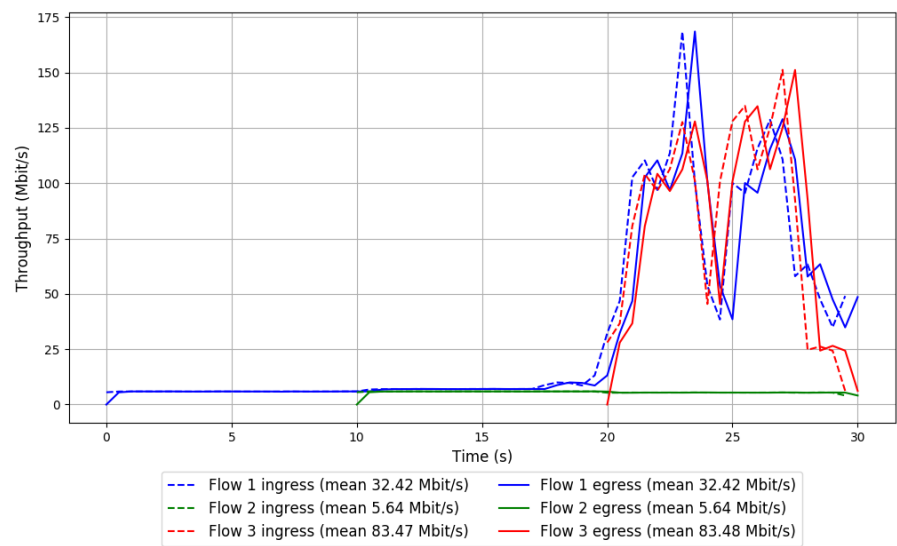
-- Flow 3:

Average throughput: 83.48 Mbit/s

95th percentile per-packet one-way delay: 1.200 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-07-18 12:47:25

End at: 2019-07-18 12:47:55

Local clock offset: 0.541 ms

Remote clock offset: 3.349 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.82 Mbit/s

95th percentile per-packet one-way delay: 1.254 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 148.94 Mbit/s

95th percentile per-packet one-way delay: 1.244 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.01 Mbit/s

95th percentile per-packet one-way delay: 1.301 ms

Loss rate: 0.00%

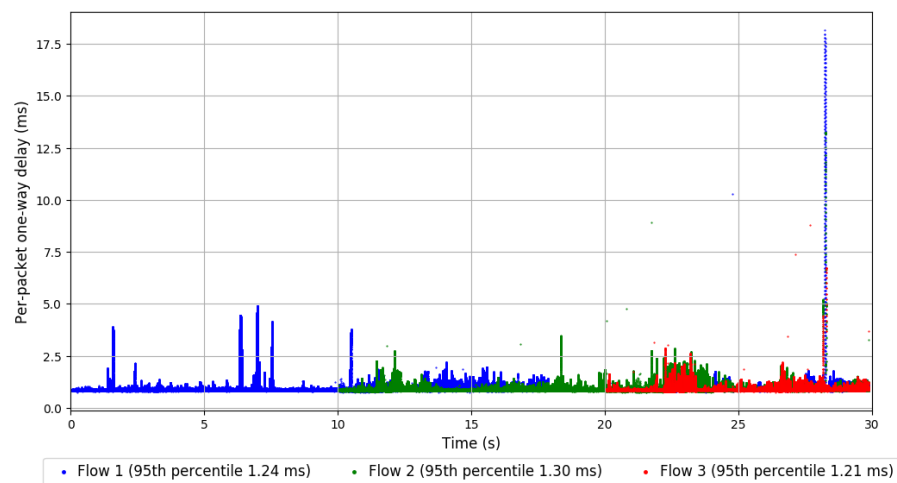
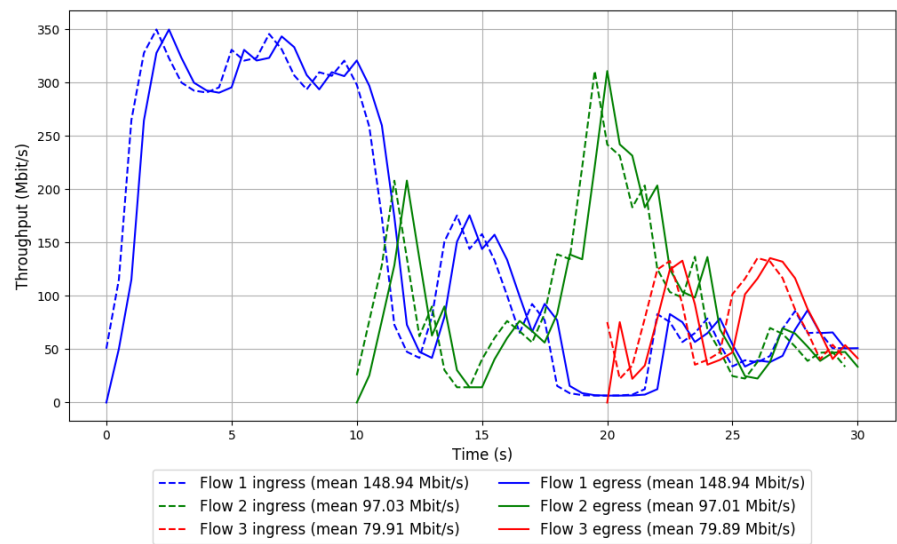
-- Flow 3:

Average throughput: 79.89 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.01%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-07-18 13:21:49

End at: 2019-07-18 13:22:19

Local clock offset: 0.077 ms

Remote clock offset: 0.942 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.07 Mbit/s

95th percentile per-packet one-way delay: 0.900 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 208.67 Mbit/s

95th percentile per-packet one-way delay: 0.901 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 0.848 ms

Loss rate: 0.00%

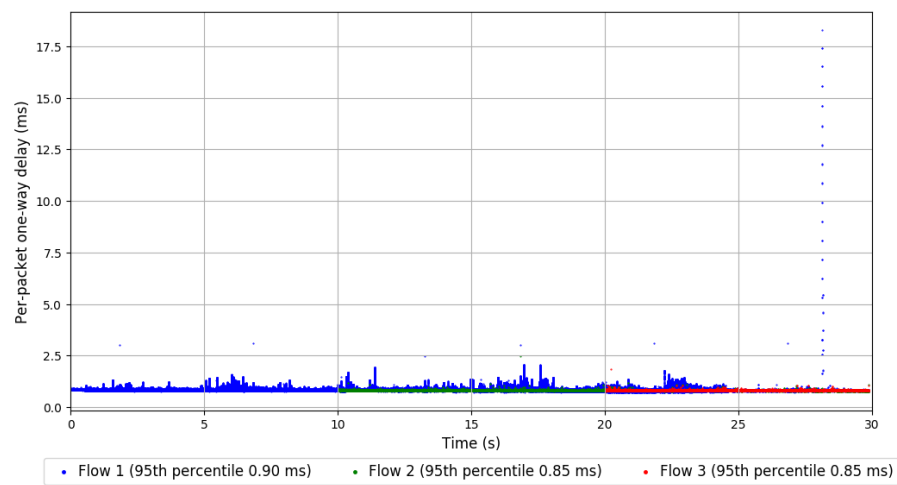
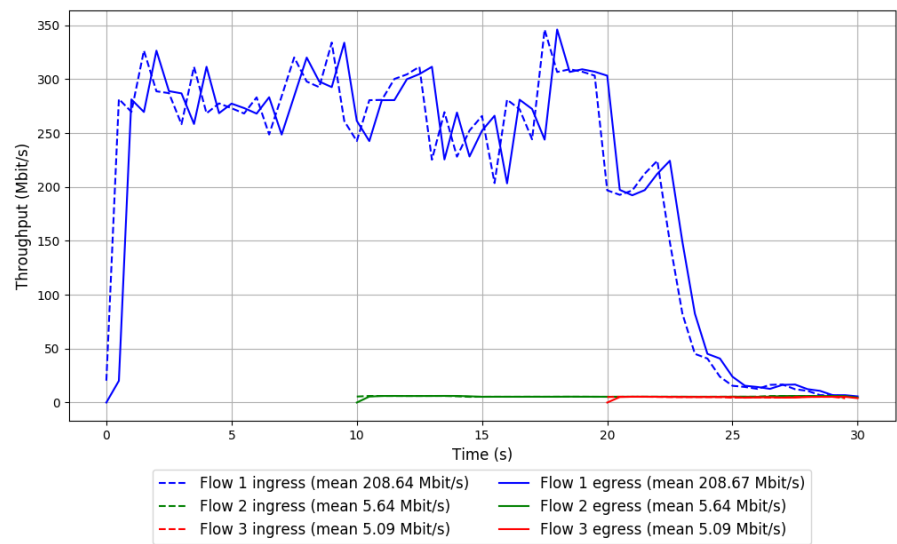
-- Flow 3:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 0.855 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-07-18 10:47:59

End at: 2019-07-18 10:48:29

Local clock offset: -1.85 ms

Remote clock offset: 4.69 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 141.12 Mbit/s

95th percentile per-packet one-way delay: 1.115 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.93 Mbit/s

95th percentile per-packet one-way delay: 1.111 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 66.44 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.01%

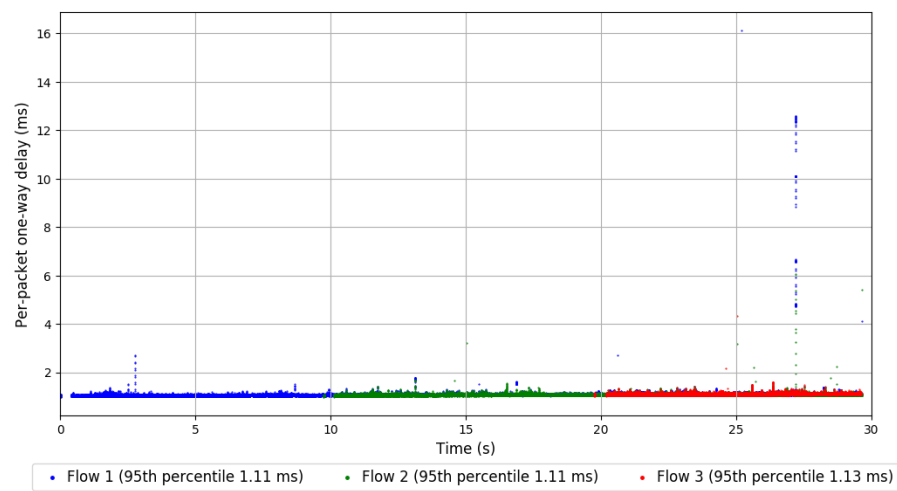
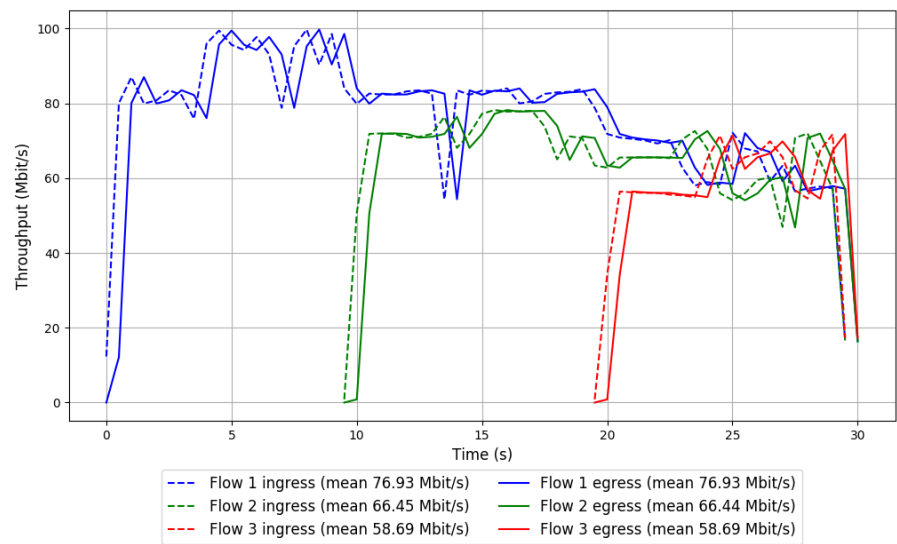
-- Flow 3:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-07-18 11:22:16

End at: 2019-07-18 11:22:46

Local clock offset: 5.48 ms

Remote clock offset: 4.542 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.25 Mbit/s

95th percentile per-packet one-way delay: 0.936 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 78.71 Mbit/s

95th percentile per-packet one-way delay: 0.933 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 62.81 Mbit/s

95th percentile per-packet one-way delay: 0.937 ms

Loss rate: 0.01%

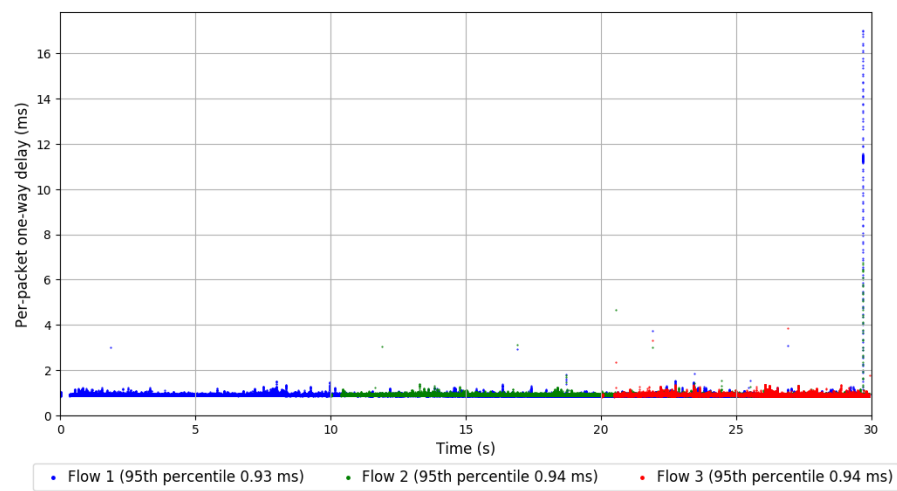
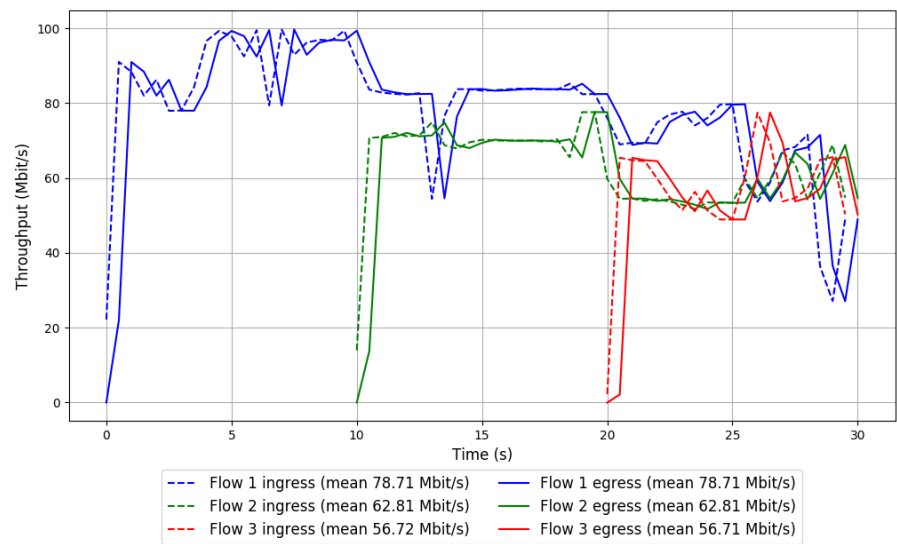
-- Flow 3:

Average throughput: 56.71 Mbit/s

95th percentile per-packet one-way delay: 0.944 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-07-18 11:56:39

End at: 2019-07-18 11:57:09

Local clock offset: 4.316 ms

Remote clock offset: 3.406 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.16 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 73.23 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.39 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.01%

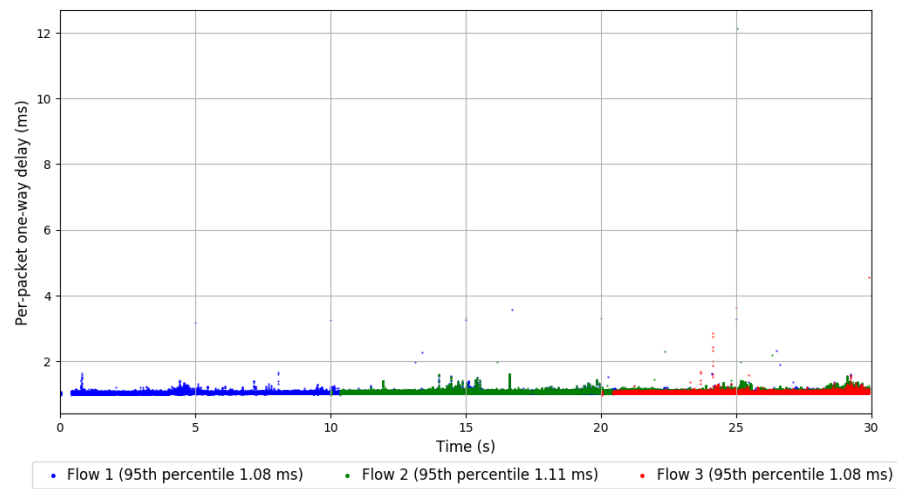
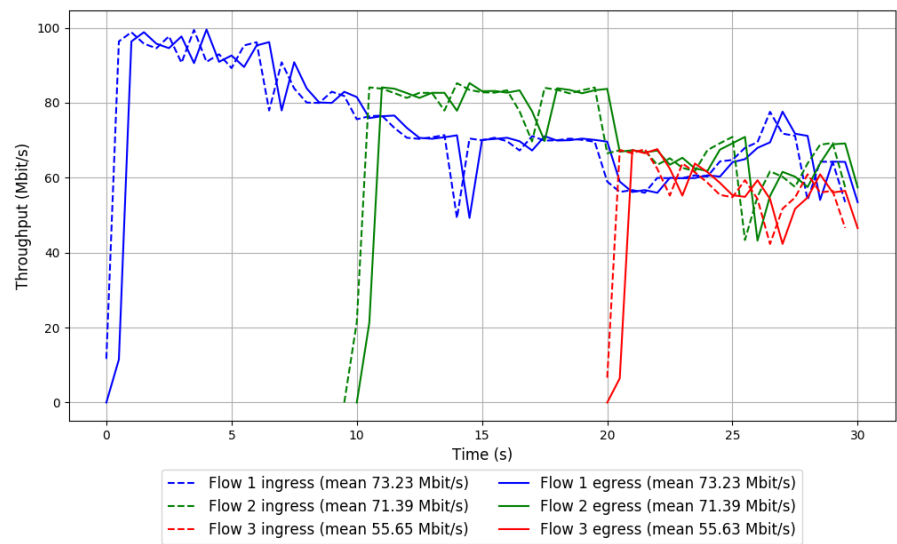
-- Flow 3:

Average throughput: 55.63 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-07-18 12:30:47

End at: 2019-07-18 12:31:17

Local clock offset: 2.209 ms

Remote clock offset: 3.175 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 143.46 Mbit/s

95th percentile per-packet one-way delay: 1.080 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 79.35 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.02 Mbit/s

95th percentile per-packet one-way delay: 1.090 ms

Loss rate: 0.01%

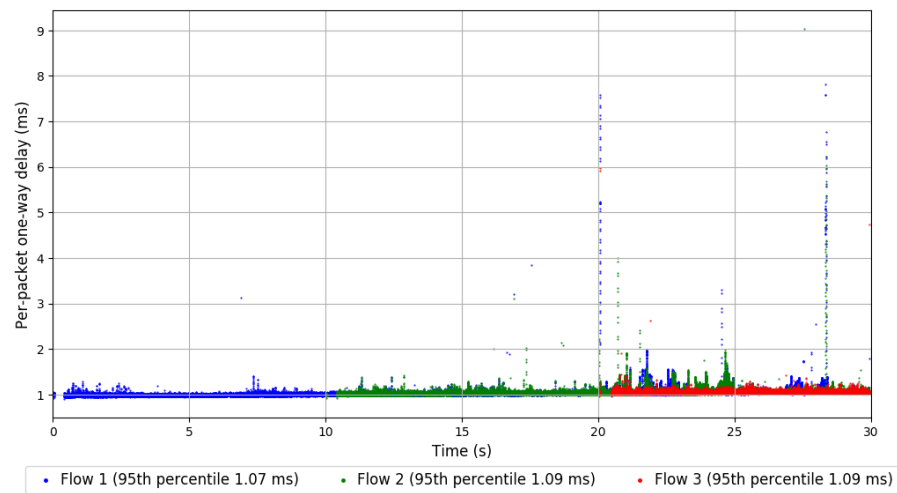
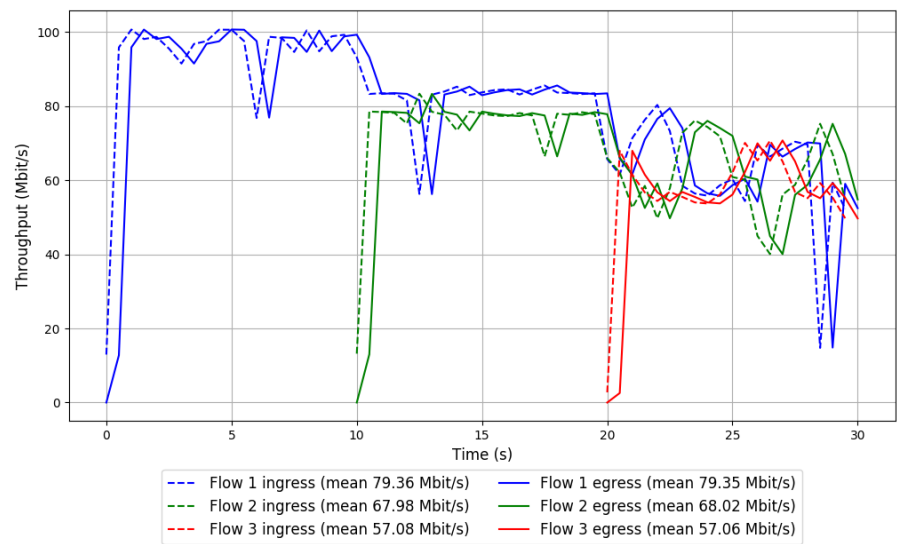
-- Flow 3:

Average throughput: 57.06 Mbit/s

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

Loss rate: 0.02%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-07-18 13:05:17

End at: 2019-07-18 13:05:47

Local clock offset: 0.351 ms

Remote clock offset: 3.162 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 139.15 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 72.77 Mbit/s

95th percentile per-packet one-way delay: 0.999 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 72.26 Mbit/s

95th percentile per-packet one-way delay: 0.991 ms

Loss rate: 0.01%

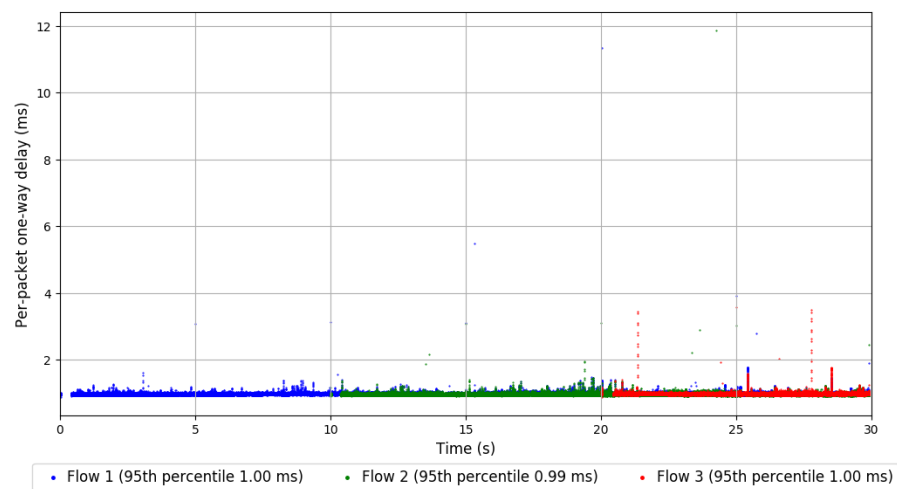
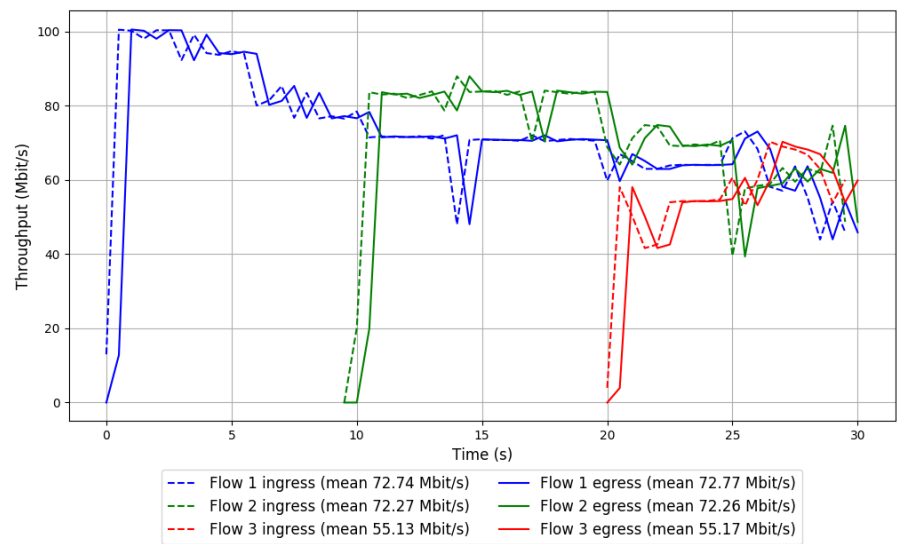
-- Flow 3:

Average throughput: 55.17 Mbit/s

95th percentile per-packet one-way delay: 1.002 ms

Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SReAM

Start at: 2019-07-18 10:46:44

End at: 2019-07-18 10:47:14

Local clock offset: -1.732 ms

Remote clock offset: 4.761 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.115 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.112 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.00%

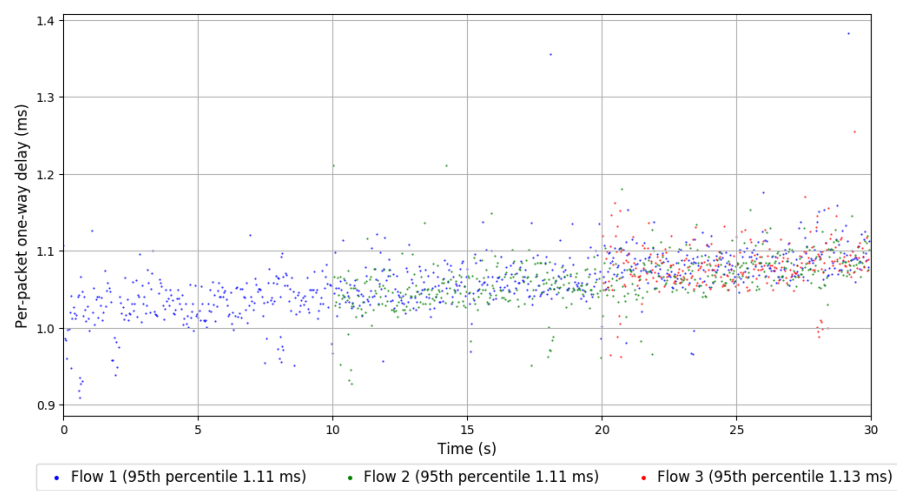
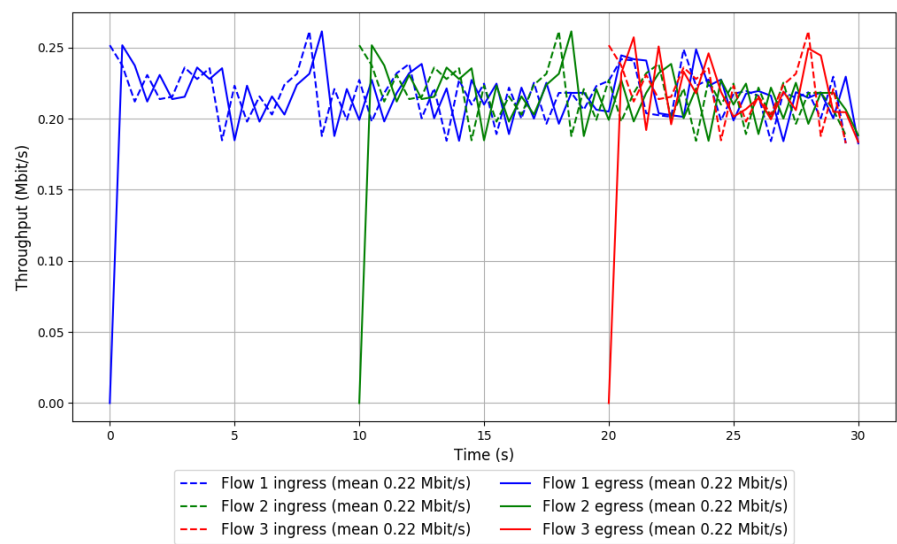
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.128 ms

Loss rate: 0.35%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2019-07-18 11:21:02

End at: 2019-07-18 11:21:32

Local clock offset: 5.383 ms

Remote clock offset: 4.515 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.056 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.052 ms

Loss rate: 0.00%

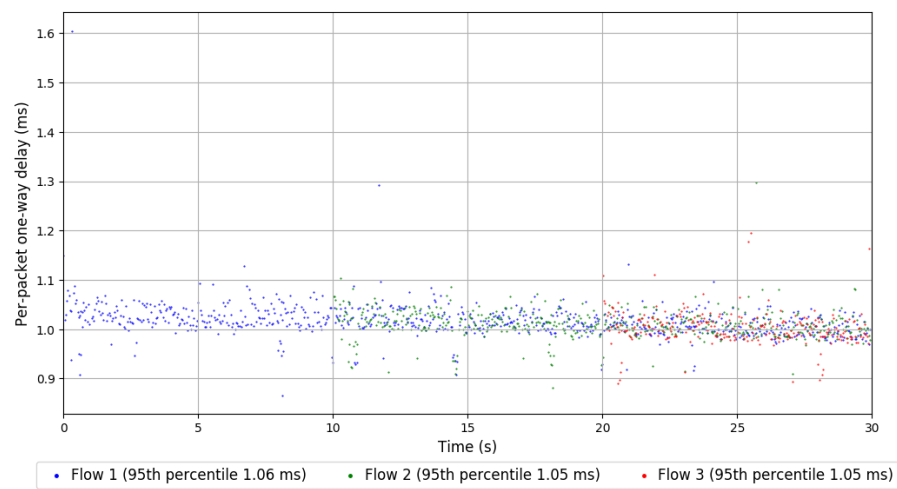
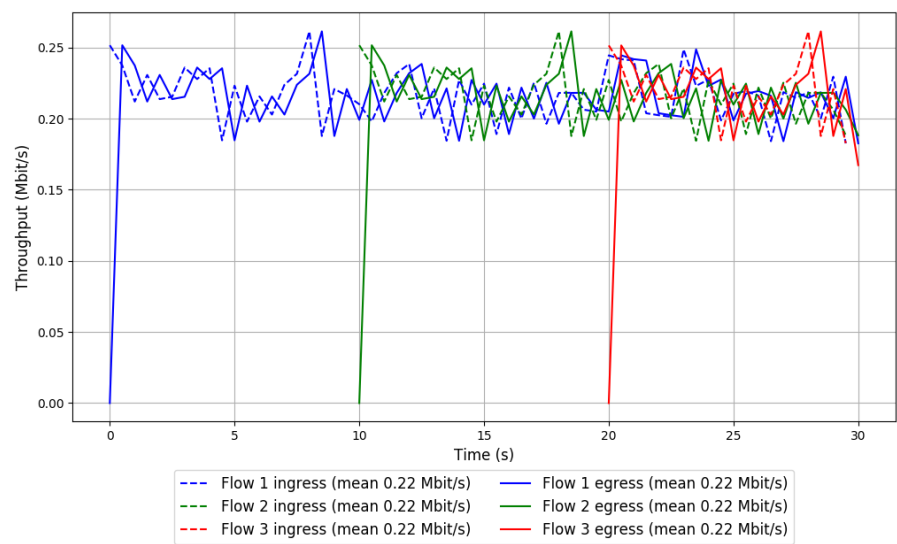
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.046 ms

Loss rate: 0.35%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2019-07-18 11:55:24

End at: 2019-07-18 11:55:54

Local clock offset: 4.401 ms

Remote clock offset: 3.408 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.176 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.194 ms

Loss rate: 0.00%

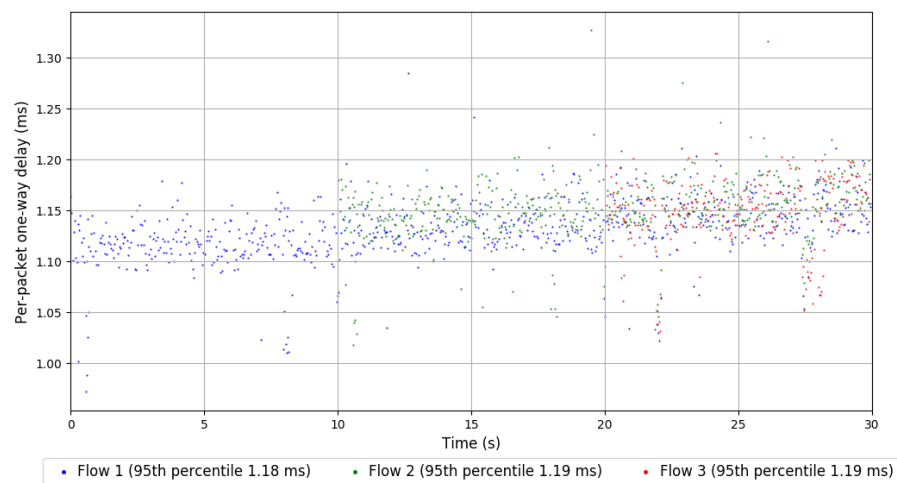
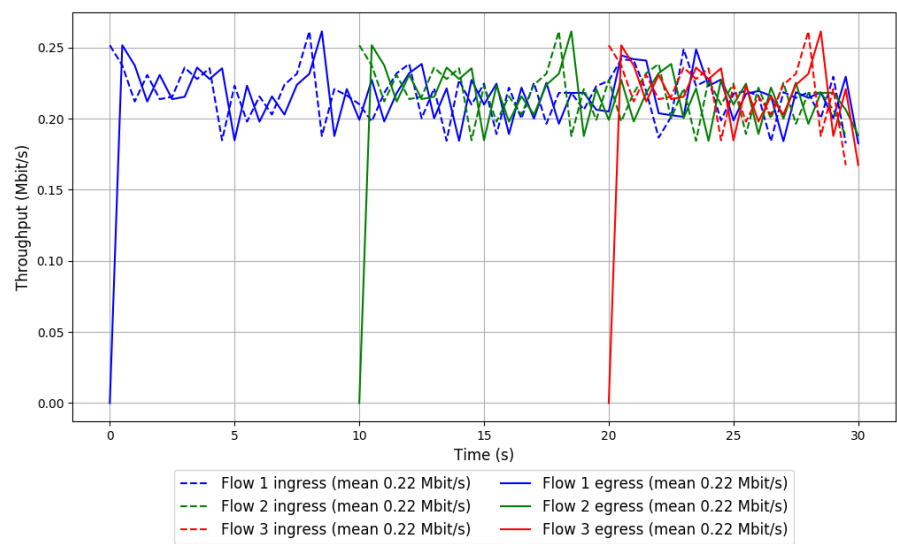
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.194 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2019-07-18 12:29:32

End at: 2019-07-18 12:30:02

Local clock offset: 2.419 ms

Remote clock offset: 3.167 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.212 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.174 ms

Loss rate: 0.00%

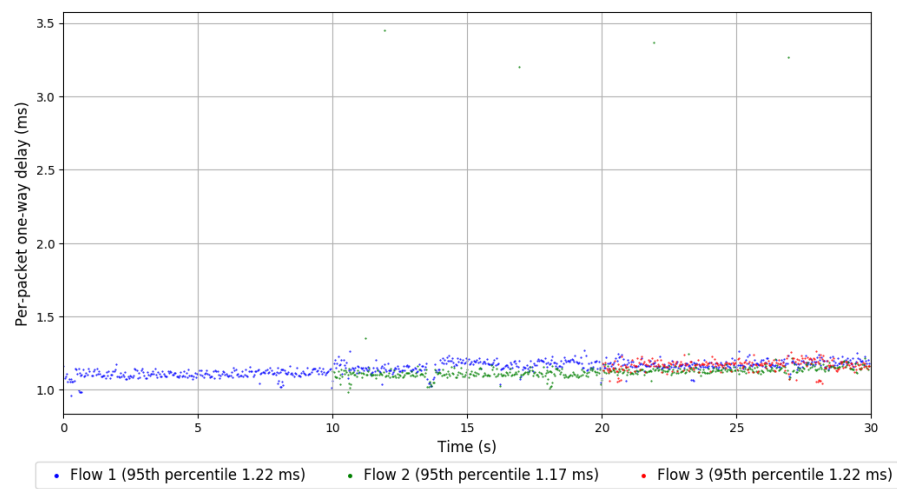
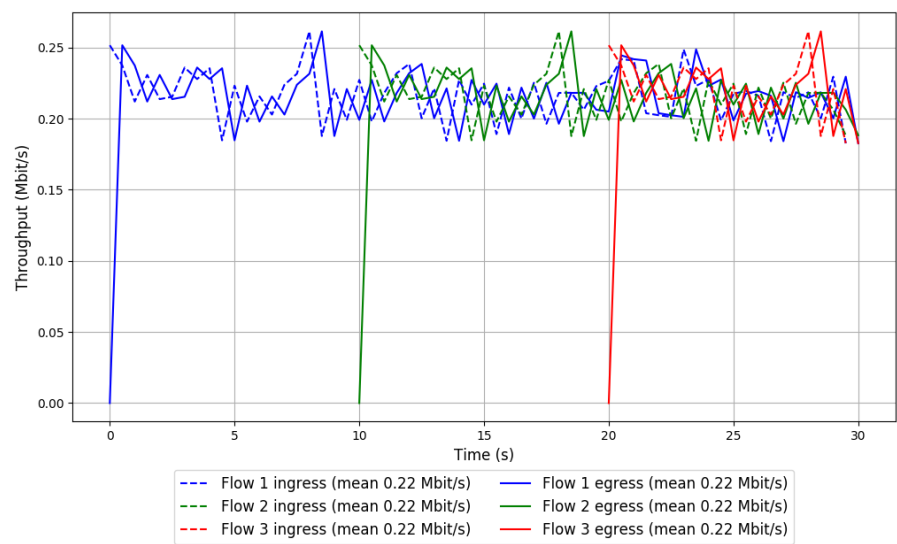
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-07-18 13:04:03

End at: 2019-07-18 13:04:33

Local clock offset: 0.351 ms

Remote clock offset: 3.25 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.025 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

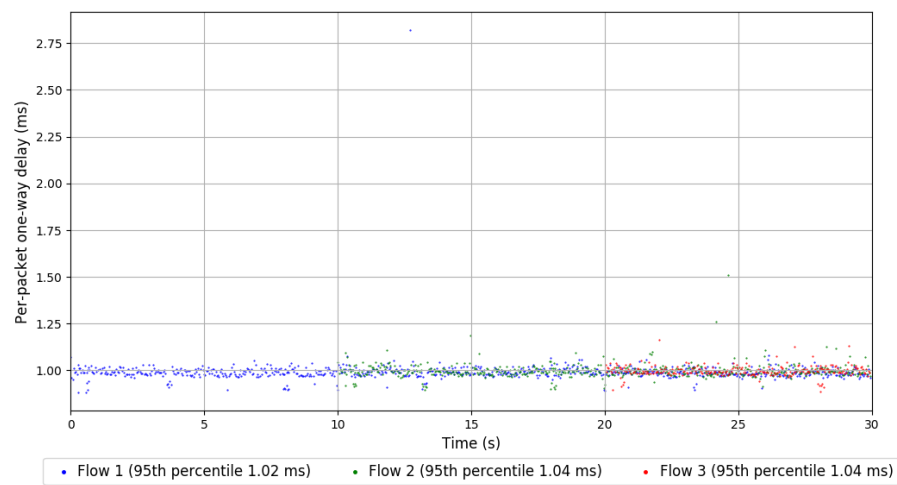
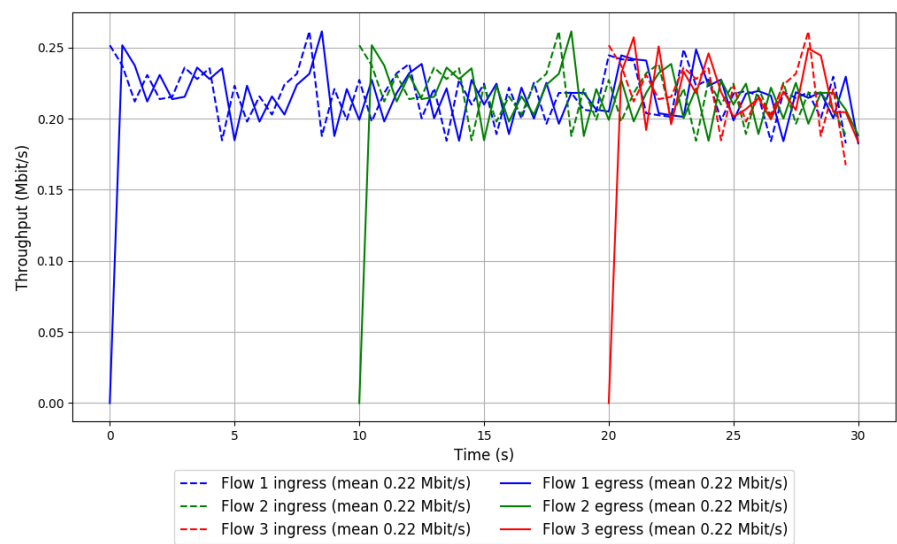
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-07-18 11:01:53

End at: 2019-07-18 11:02:23

Local clock offset: 1.721 ms

Remote clock offset: 4.584 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.96 Mbit/s

95th percentile per-packet one-way delay: 0.670 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 0.683 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 0.640 ms

Loss rate: 0.00%

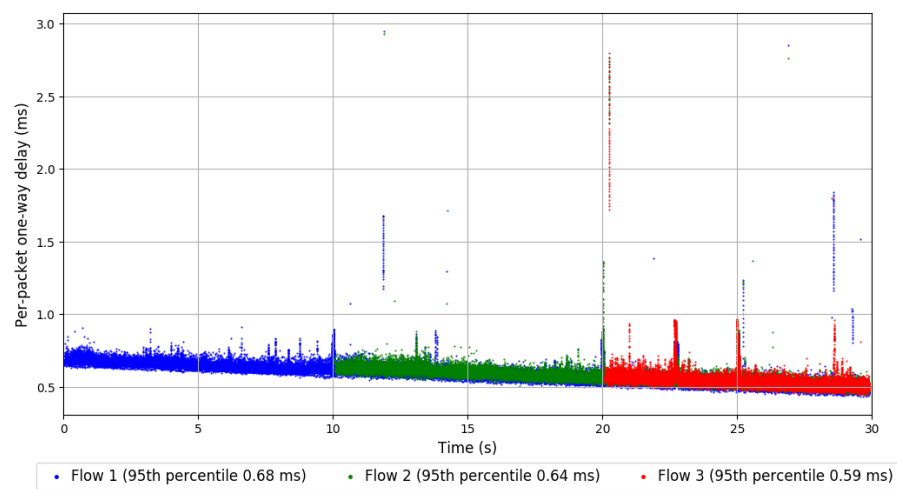
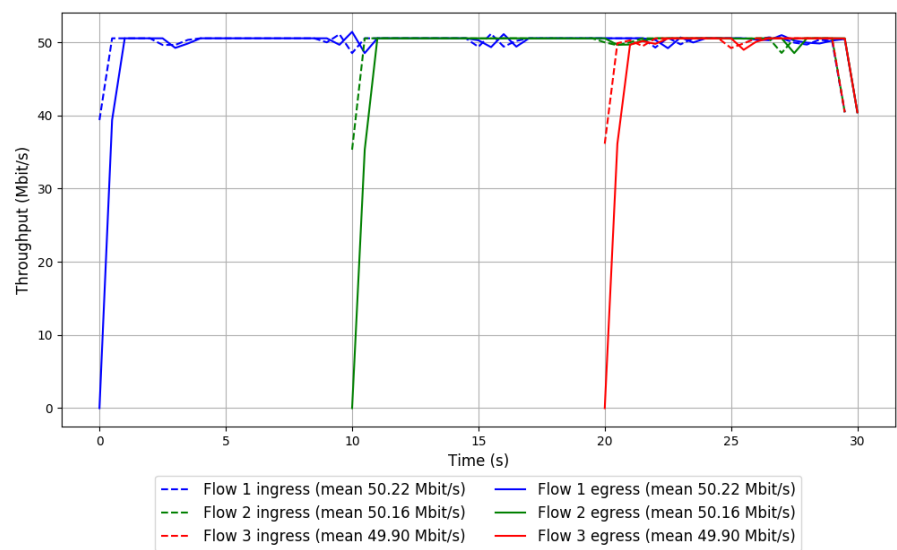
-- Flow 3:

Average throughput: 49.90 Mbit/s

95th percentile per-packet one-way delay: 0.594 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

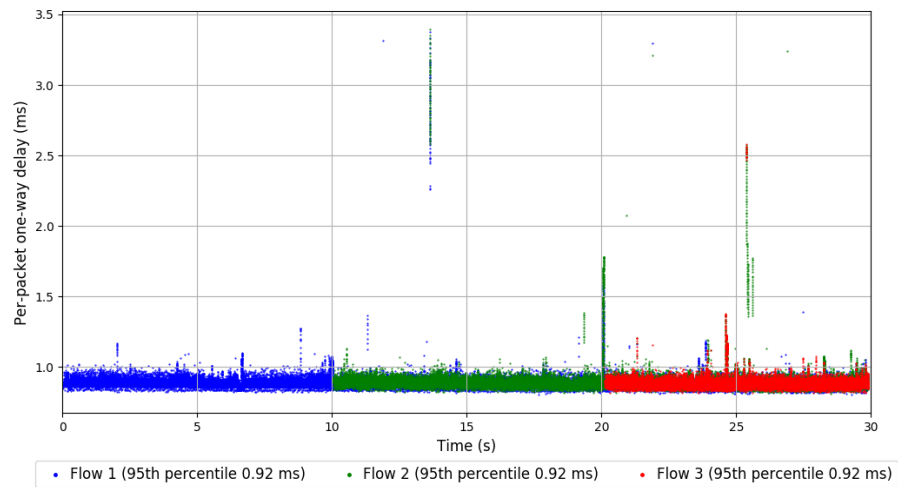
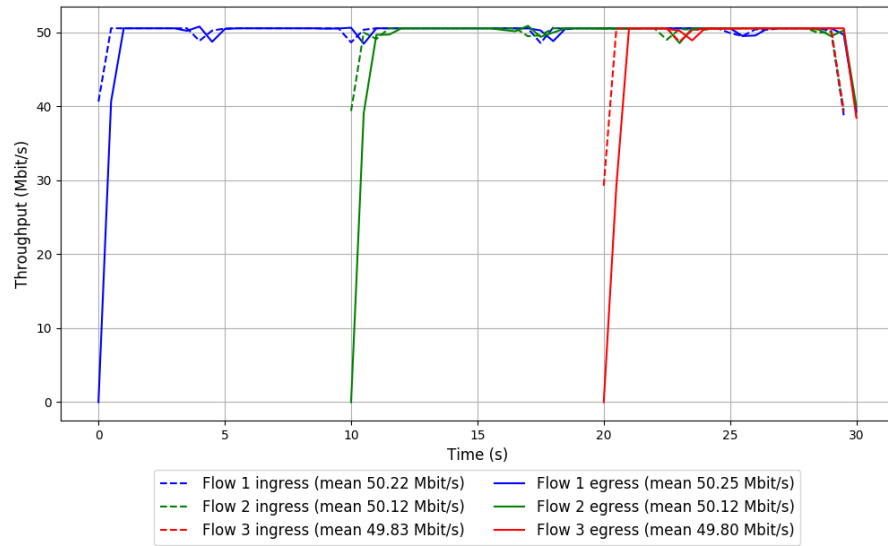


Run 2: Statistics of Sprout

Start at: 2019-07-18 11:36:10
End at: 2019-07-18 11:36:40
Local clock offset: 4.521 ms
Remote clock offset: 4.096 ms

Below is generated by plot.py at 2019-07-18 14:28:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.86 Mbit/s
95th percentile per-packet one-way delay: 0.920 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 0.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.12 Mbit/s
95th percentile per-packet one-way delay: 0.924 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 0.917 ms
Loss rate: 0.08%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-07-18 12:10:31

End at: 2019-07-18 12:11:01

Local clock offset: 3.727 ms

Remote clock offset: 3.311 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 100.03 Mbit/s

95th percentile per-packet one-way delay: 1.046 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 1.047 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 50.18 Mbit/s

95th percentile per-packet one-way delay: 1.052 ms

Loss rate: 0.00%

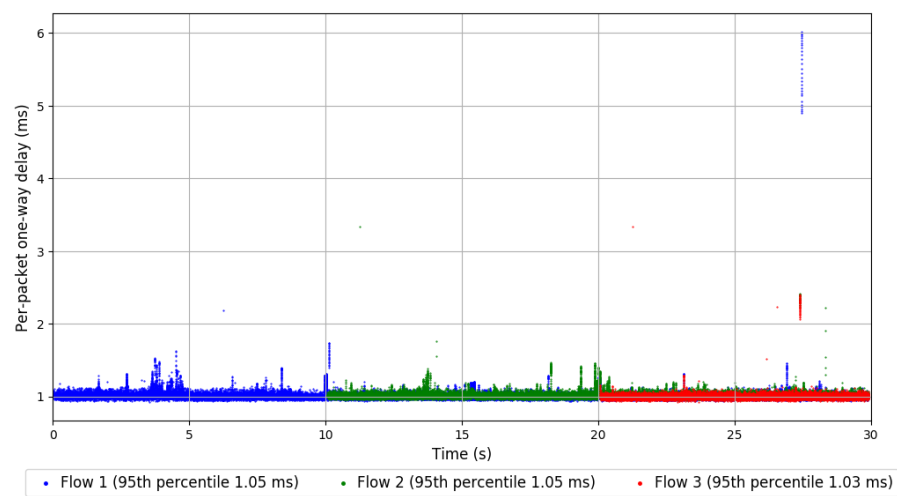
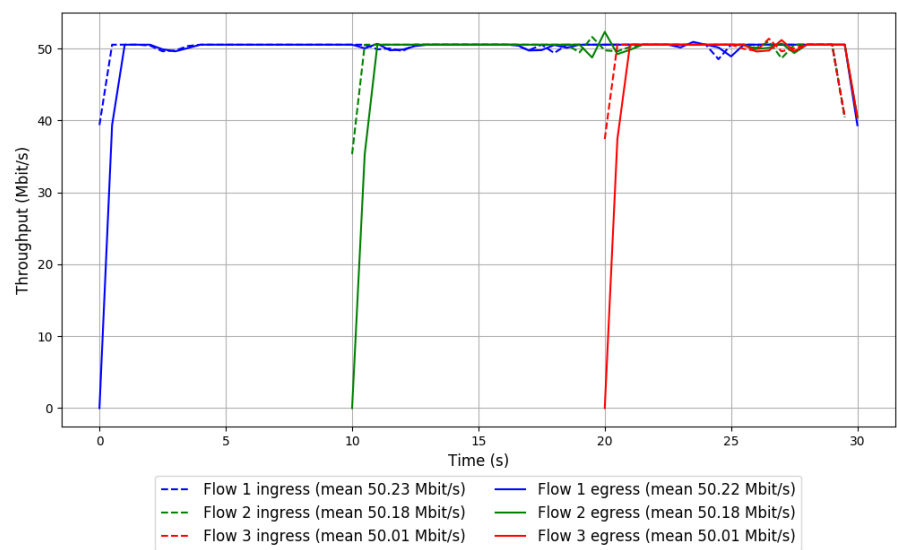
-- Flow 3:

Average throughput: 50.01 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-07-18 12:44:46

End at: 2019-07-18 12:45:16

Local clock offset: 0.705 ms

Remote clock offset: 3.259 ms

Below is generated by plot.py at 2019-07-18 14:28:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.88 Mbit/s

95th percentile per-packet one-way delay: 1.024 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 50.21 Mbit/s

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

Loss rate: 0.03%

-- Flow 2:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.04%

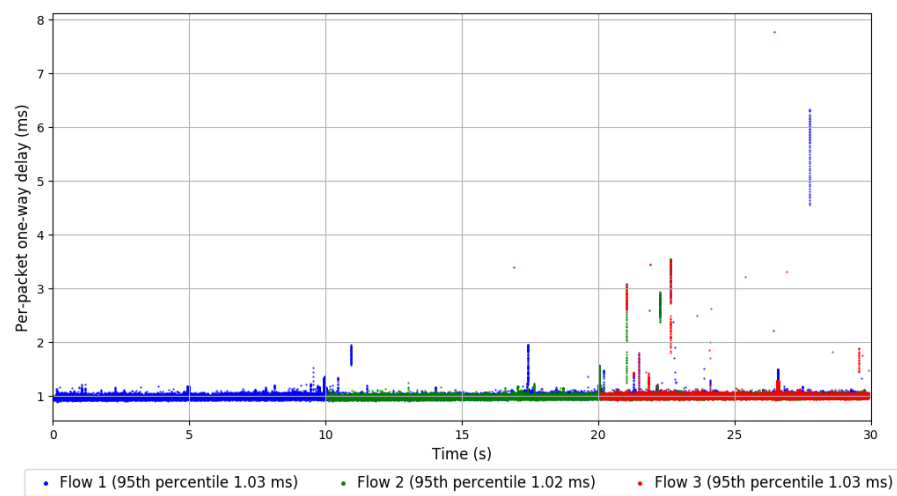
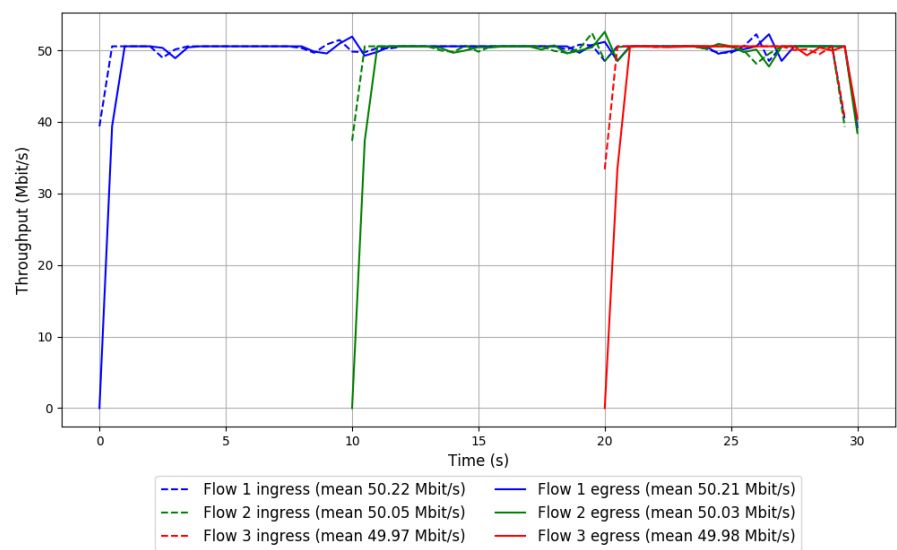
-- Flow 3:

Average throughput: 49.98 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

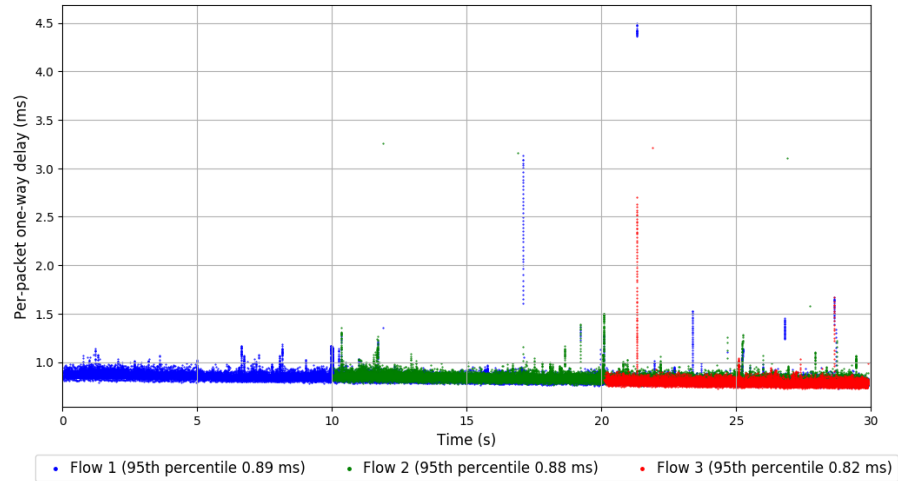
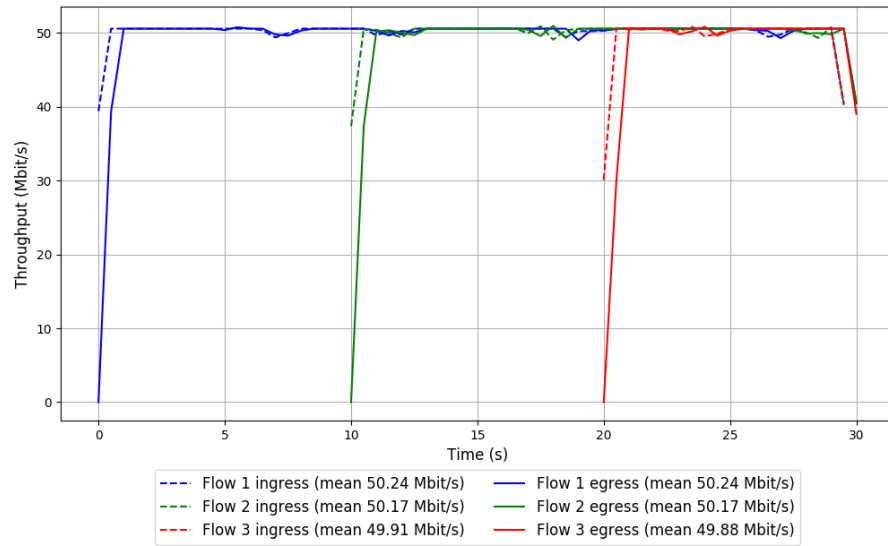


Run 5: Statistics of Sprout

Start at: 2019-07-18 13:19:11
End at: 2019-07-18 13:19:41
Local clock offset: 0.12 ms
Remote clock offset: 1.363 ms

Below is generated by plot.py at 2019-07-18 14:28:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.90 Mbit/s
95th percentile per-packet one-way delay: 0.879 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 0.886 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 0.875 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 0.825 ms
Loss rate: 0.13%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-07-18 10:59:10

End at: 2019-07-18 10:59:40

Local clock offset: 0.382 ms

Remote clock offset: 4.735 ms

Below is generated by plot.py at 2019-07-18 14:28:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.29 Mbit/s

95th percentile per-packet one-way delay: 0.509 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 6.46 Mbit/s

95th percentile per-packet one-way delay: 0.554 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 17.03 Mbit/s

95th percentile per-packet one-way delay: 0.454 ms

Loss rate: 0.00%

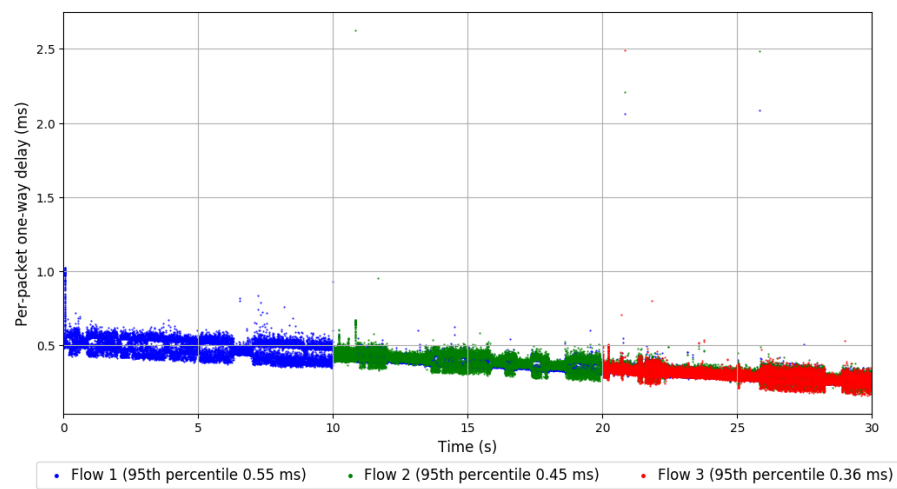
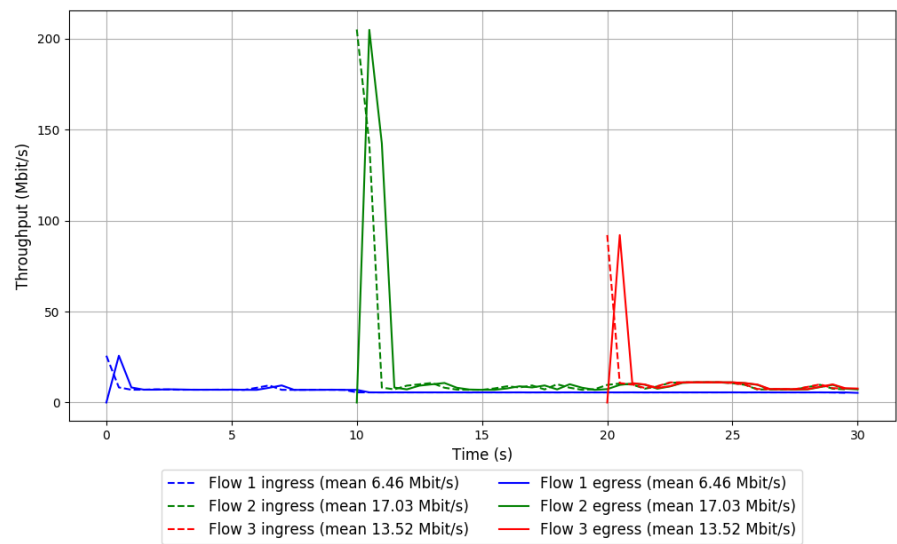
-- Flow 3:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 0.356 ms

Loss rate: 0.01%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-07-18 11:33:23

End at: 2019-07-18 11:33:53

Local clock offset: 4.639 ms

Remote clock offset: 4.272 ms

Below is generated by plot.py at 2019-07-18 14:29:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.18 Mbit/s

95th percentile per-packet one-way delay: 0.945 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.70 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.34 Mbit/s

95th percentile per-packet one-way delay: 0.947 ms

Loss rate: 0.00%

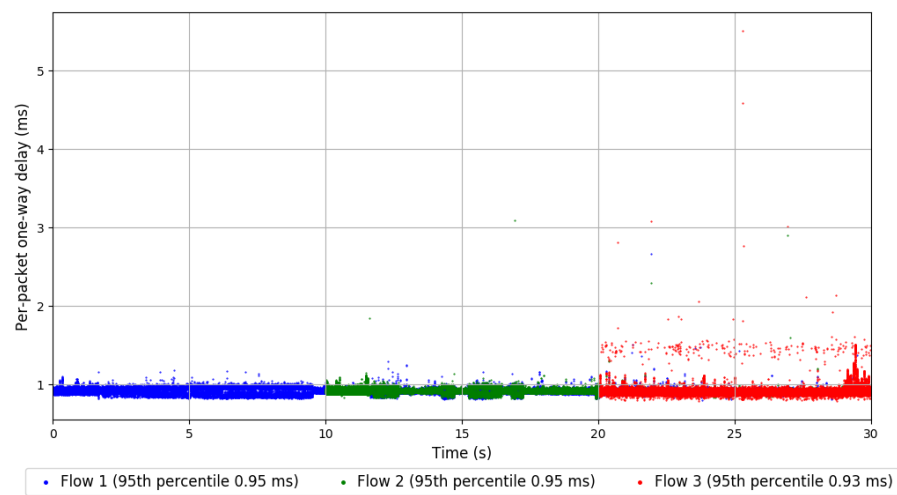
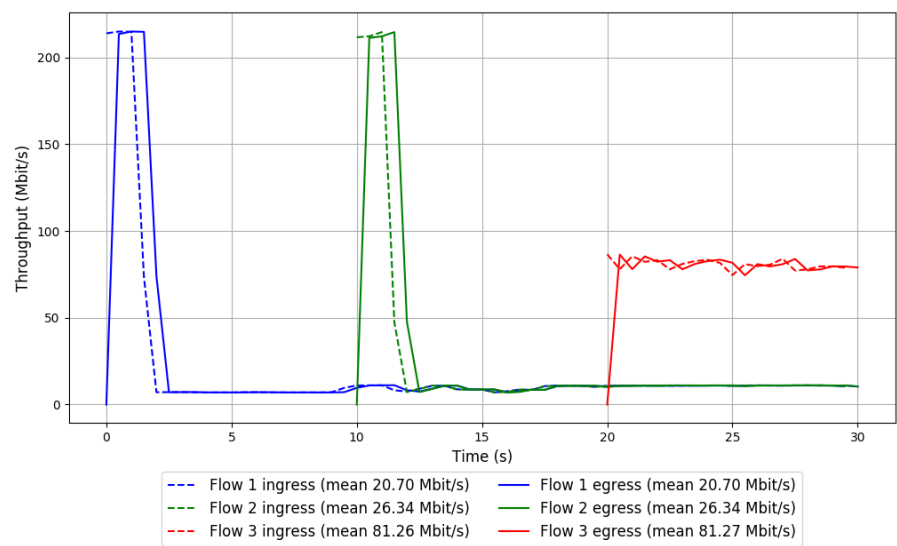
-- Flow 3:

Average throughput: 81.27 Mbit/s

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

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-07-18 12:07:45

End at: 2019-07-18 12:08:15

Local clock offset: 3.732 ms

Remote clock offset: 3.478 ms

Below is generated by plot.py at 2019-07-18 14:29:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.69 Mbit/s

95th percentile per-packet one-way delay: 0.837 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 17.27 Mbit/s

95th percentile per-packet one-way delay: 0.841 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.70 Mbit/s

95th percentile per-packet one-way delay: 0.835 ms

Loss rate: 0.00%

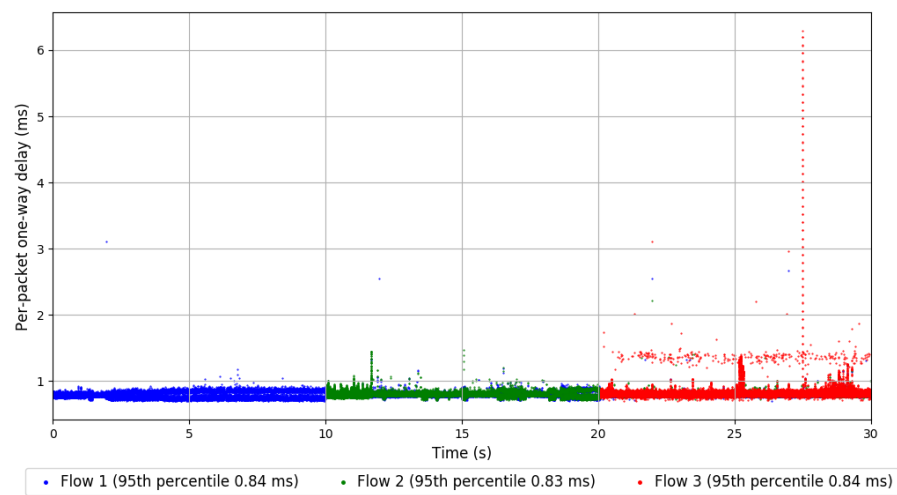
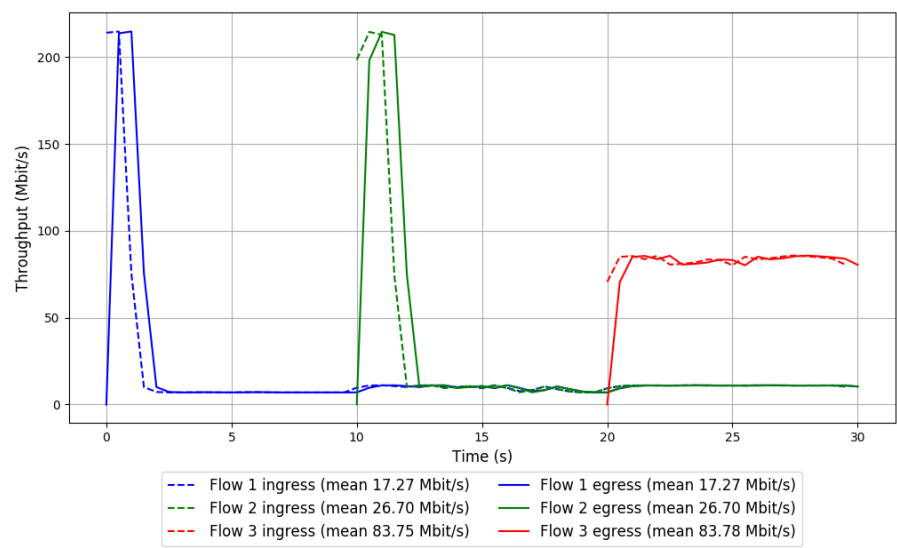
-- Flow 3:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 0.837 ms

Loss rate: 0.02%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-07-18 12:41:56

End at: 2019-07-18 12:42:26

Local clock offset: 0.872 ms

Remote clock offset: 3.082 ms

Below is generated by plot.py at 2019-07-18 14:30:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.42 Mbit/s

95th percentile per-packet one-way delay: 1.100 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 90.77 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 48.03 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 0.03%

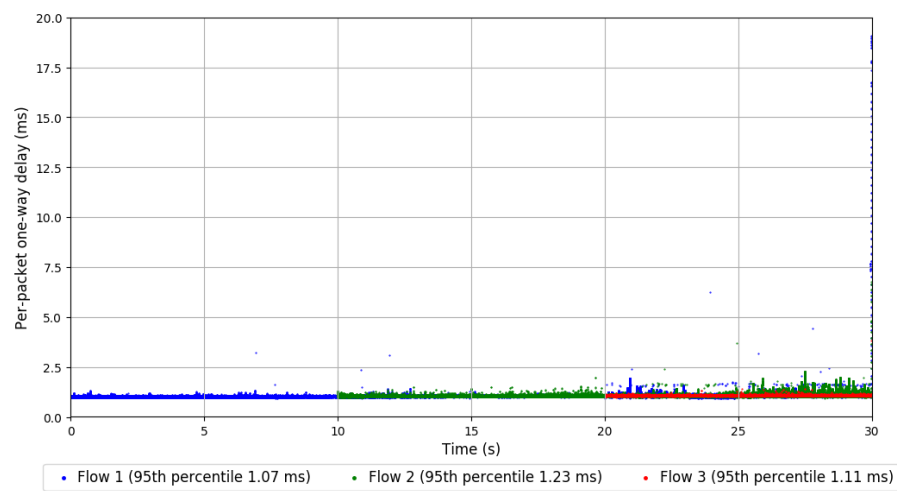
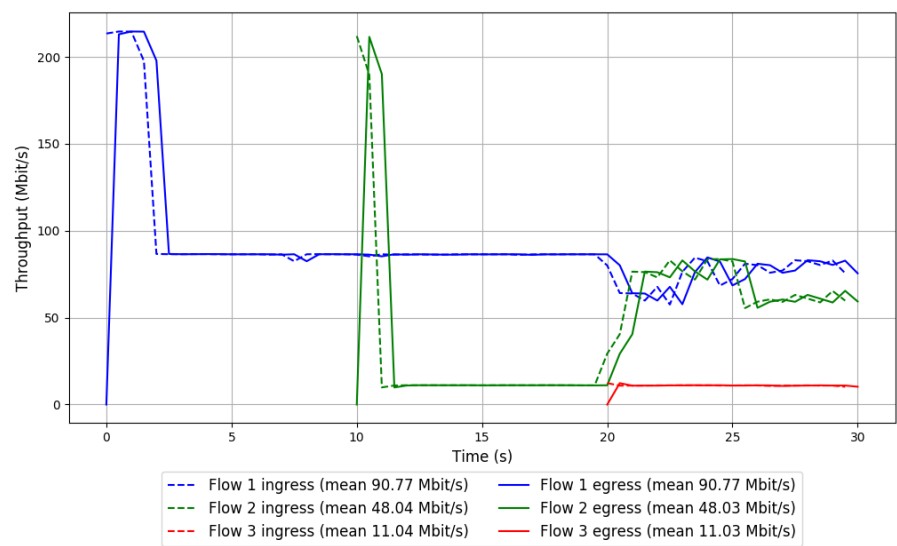
-- Flow 3:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-07-18 13:16:26

End at: 2019-07-18 13:16:56

Local clock offset: 0.193 ms

Remote clock offset: 1.887 ms

Below is generated by plot.py at 2019-07-18 14:30:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.58 Mbit/s

95th percentile per-packet one-way delay: 0.878 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.40 Mbit/s

95th percentile per-packet one-way delay: 0.921 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 0.868 ms

Loss rate: 0.01%

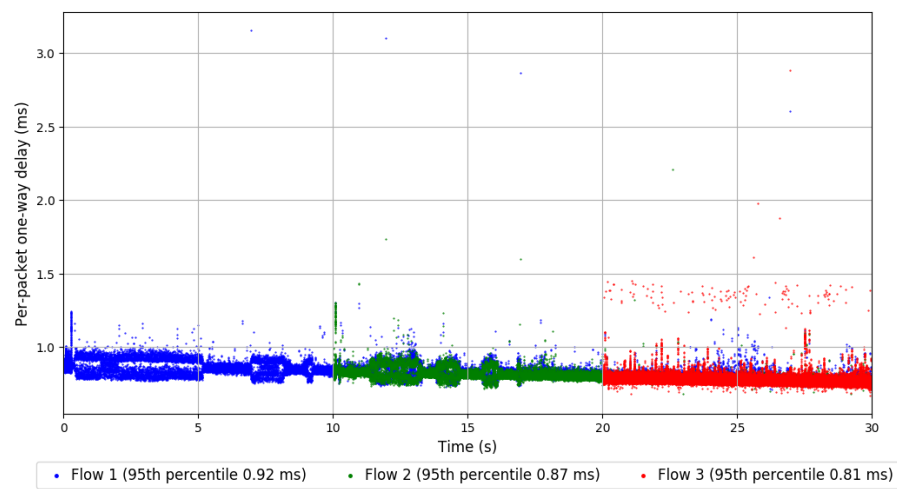
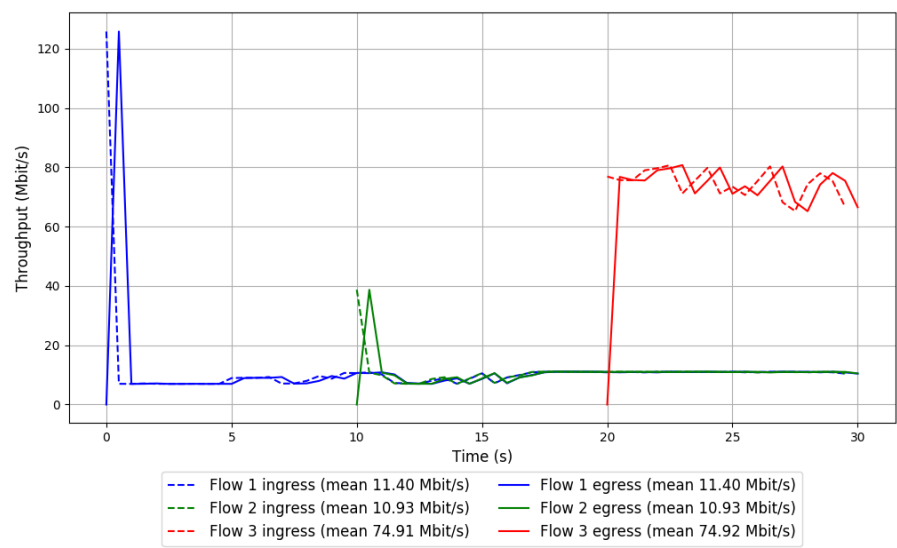
-- Flow 3:

Average throughput: 74.92 Mbit/s

95th percentile per-packet one-way delay: 0.810 ms

Loss rate: 0.01%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-07-18 10:49:18

End at: 2019-07-18 10:49:48

Local clock offset: -1.956 ms

Remote clock offset: 4.794 ms

Below is generated by plot.py at 2019-07-18 14:34:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 564.96 Mbit/s

95th percentile per-packet one-way delay: 1.279 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 295.03 Mbit/s

95th percentile per-packet one-way delay: 1.336 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 263.74 Mbit/s

95th percentile per-packet one-way delay: 1.249 ms

Loss rate: 0.01%

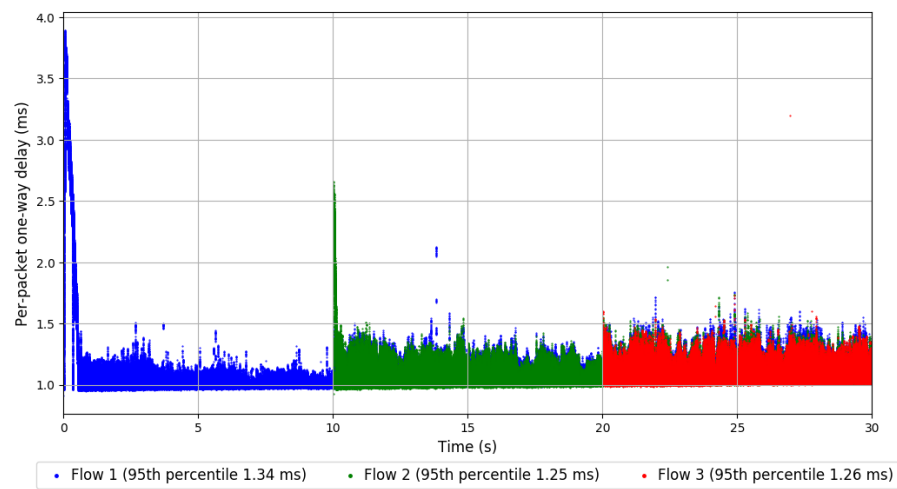
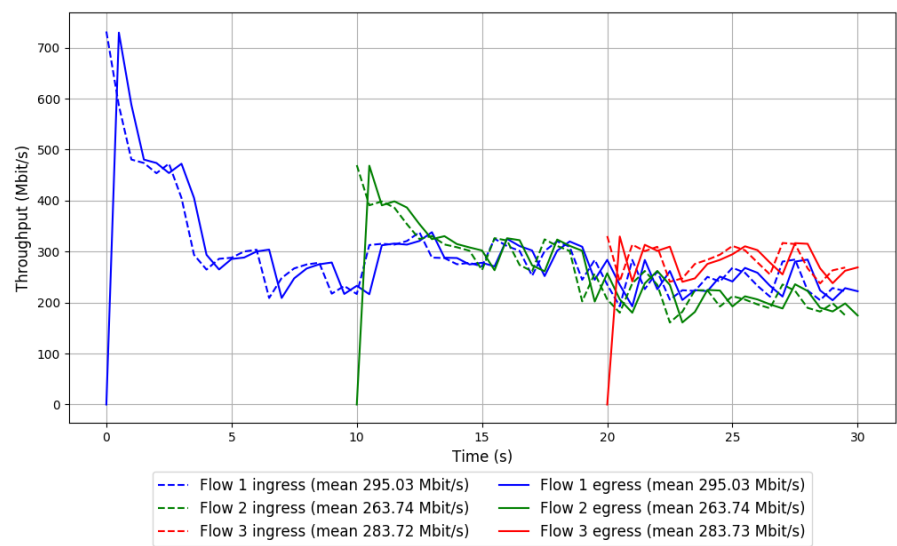
-- Flow 3:

Average throughput: 283.73 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-07-18 11:23:36

End at: 2019-07-18 11:24:06

Local clock offset: 5.557 ms

Remote clock offset: 4.581 ms

Below is generated by plot.py at 2019-07-18 14:34:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 517.44 Mbit/s

95th percentile per-packet one-way delay: 1.177 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 259.47 Mbit/s

95th percentile per-packet one-way delay: 1.115 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 264.07 Mbit/s

95th percentile per-packet one-way delay: 1.453 ms

Loss rate: 0.01%

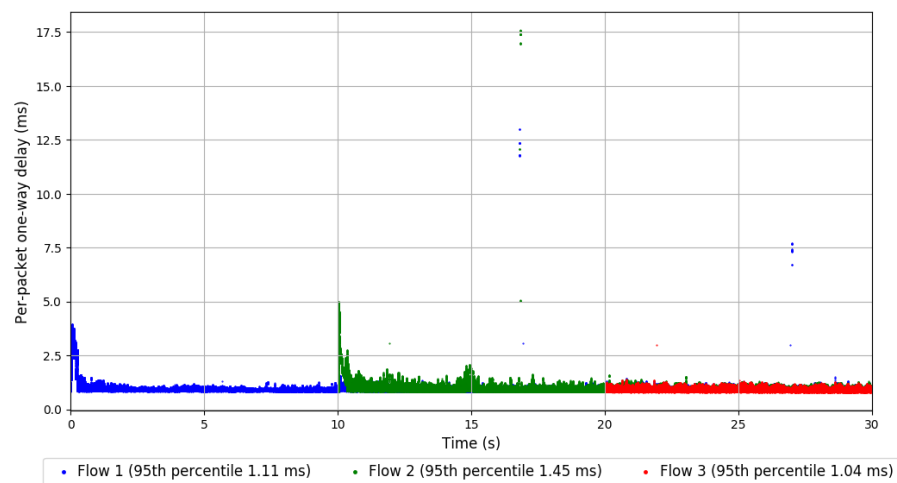
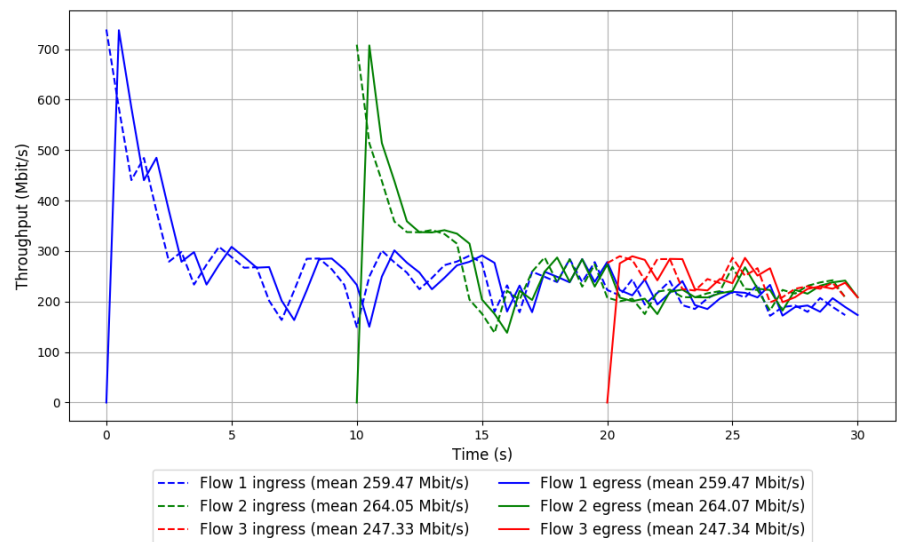
-- Flow 3:

Average throughput: 247.34 Mbit/s

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

Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-07-18 11:57:58

End at: 2019-07-18 11:58:28

Local clock offset: 4.154 ms

Remote clock offset: 3.436 ms

Below is generated by plot.py at 2019-07-18 14:34:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 566.84 Mbit/s

95th percentile per-packet one-way delay: 1.383 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 299.65 Mbit/s

95th percentile per-packet one-way delay: 1.202 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 254.89 Mbit/s

95th percentile per-packet one-way delay: 1.523 ms

Loss rate: 0.01%

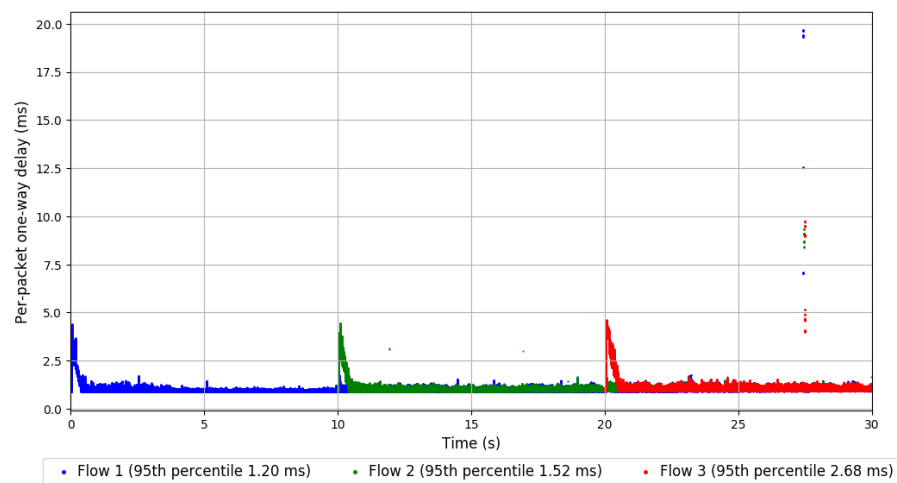
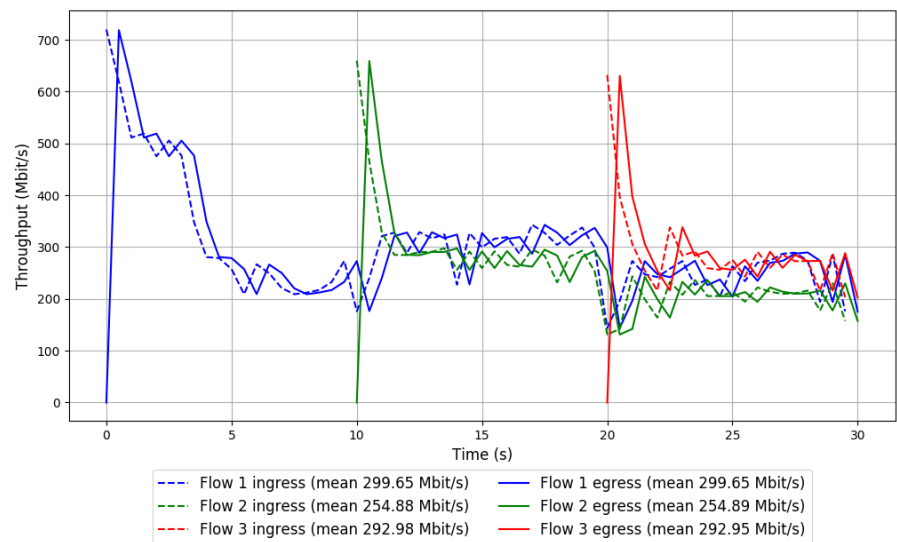
-- Flow 3:

Average throughput: 292.95 Mbit/s

95th percentile per-packet one-way delay: 2.679 ms

Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-07-18 12:32:07

End at: 2019-07-18 12:32:37

Local clock offset: 1.959 ms

Remote clock offset: 3.105 ms

Below is generated by plot.py at 2019-07-18 14:34:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 537.68 Mbit/s

95th percentile per-packet one-way delay: 1.254 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 292.25 Mbit/s

95th percentile per-packet one-way delay: 1.249 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 245.12 Mbit/s

95th percentile per-packet one-way delay: 1.245 ms

Loss rate: 0.01%

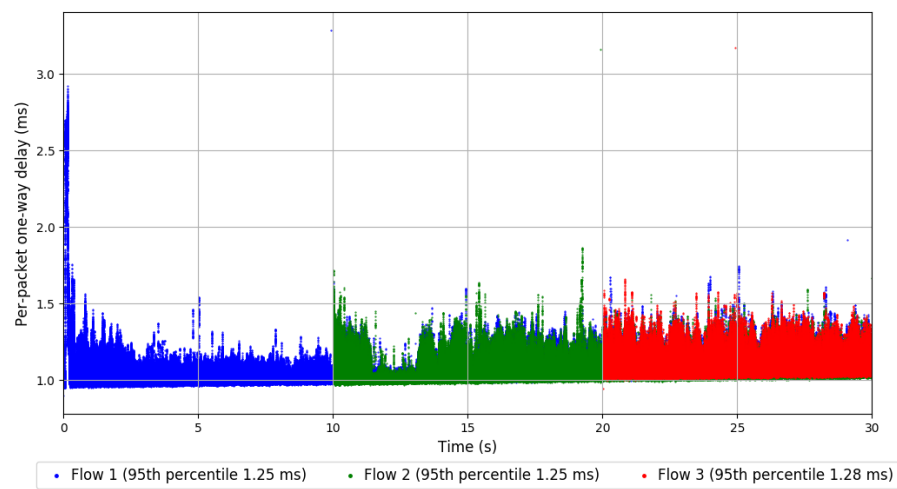
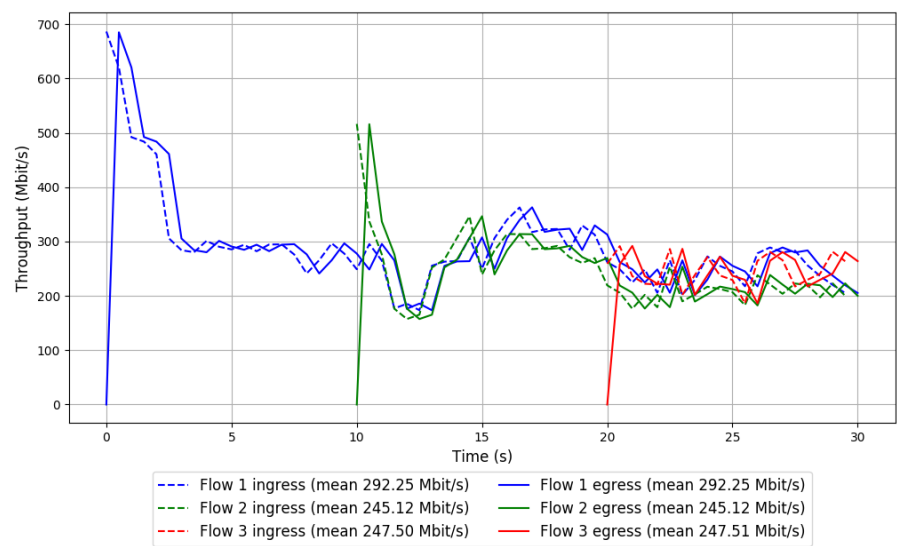
-- Flow 3:

Average throughput: 247.51 Mbit/s

95th percentile per-packet one-way delay: 1.279 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-07-18 13:06:37

End at: 2019-07-18 13:07:07

Local clock offset: 0.328 ms

Remote clock offset: 3.23 ms

Below is generated by plot.py at 2019-07-18 14:34:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 524.92 Mbit/s

95th percentile per-packet one-way delay: 1.080 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 291.04 Mbit/s

95th percentile per-packet one-way delay: 1.081 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 220.16 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.01%

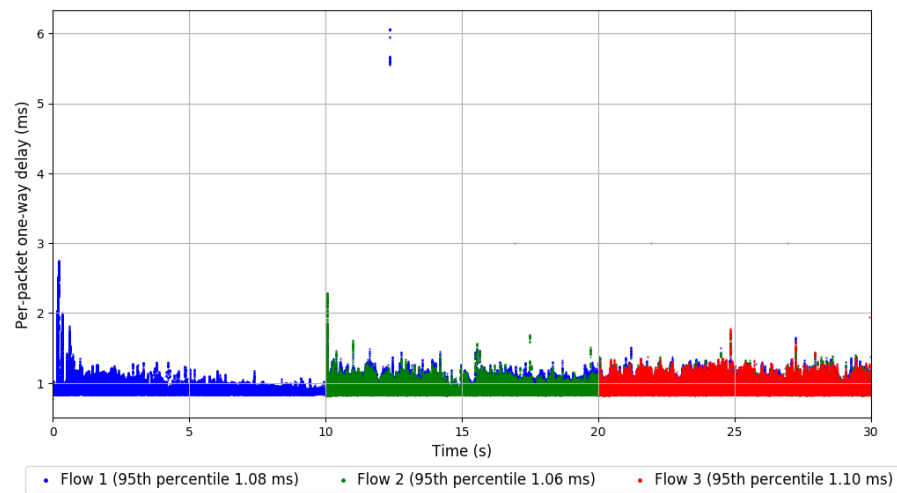
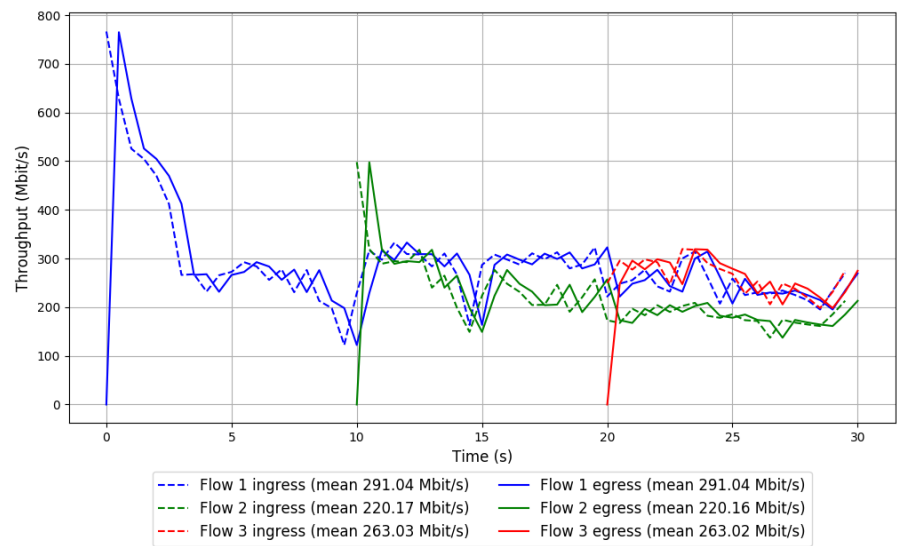
-- Flow 3:

Average throughput: 263.02 Mbit/s

95th percentile per-packet one-way delay: 1.099 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-07-18 11:09:23

End at: 2019-07-18 11:09:53

Local clock offset: 3.844 ms

Remote clock offset: 4.459 ms

Below is generated by plot.py at 2019-07-18 14:34:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.50 Mbit/s

95th percentile per-packet one-way delay: 2.079 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 188.82 Mbit/s

95th percentile per-packet one-way delay: 2.199 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 137.21 Mbit/s

95th percentile per-packet one-way delay: 1.349 ms

Loss rate: 0.03%

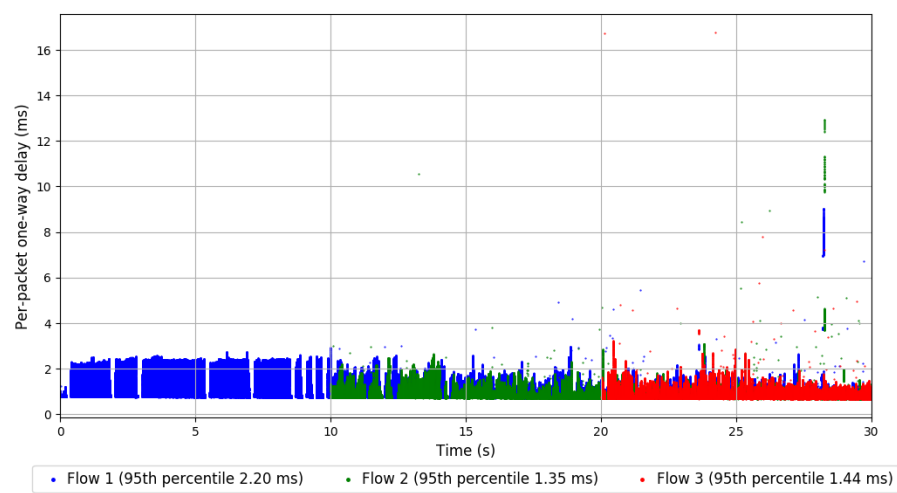
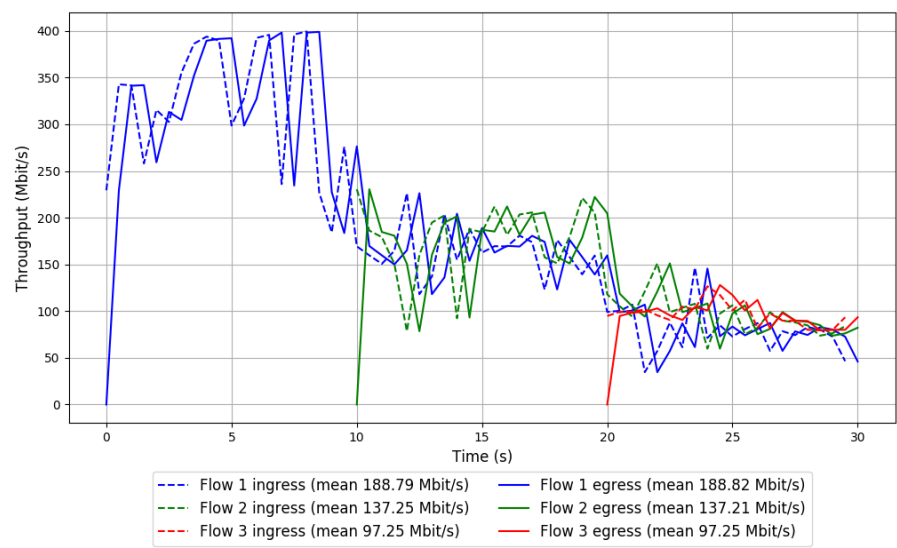
-- Flow 3:

Average throughput: 97.25 Mbit/s

95th percentile per-packet one-way delay: 1.437 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-07-18 11:43:39

End at: 2019-07-18 11:44:09

Local clock offset: 4.38 ms

Remote clock offset: 3.657 ms

Below is generated by plot.py at 2019-07-18 14:34:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.28 Mbit/s

95th percentile per-packet one-way delay: 2.531 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 198.98 Mbit/s

95th percentile per-packet one-way delay: 2.678 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 133.90 Mbit/s

95th percentile per-packet one-way delay: 2.132 ms

Loss rate: 0.00%

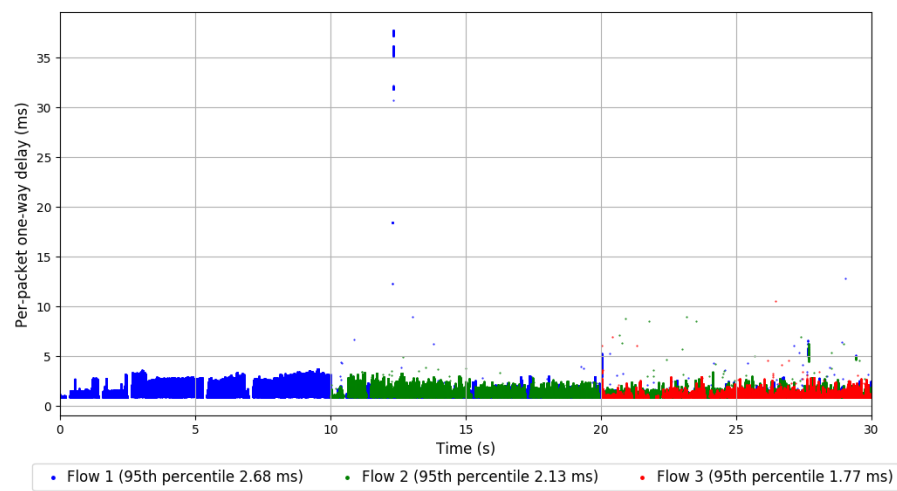
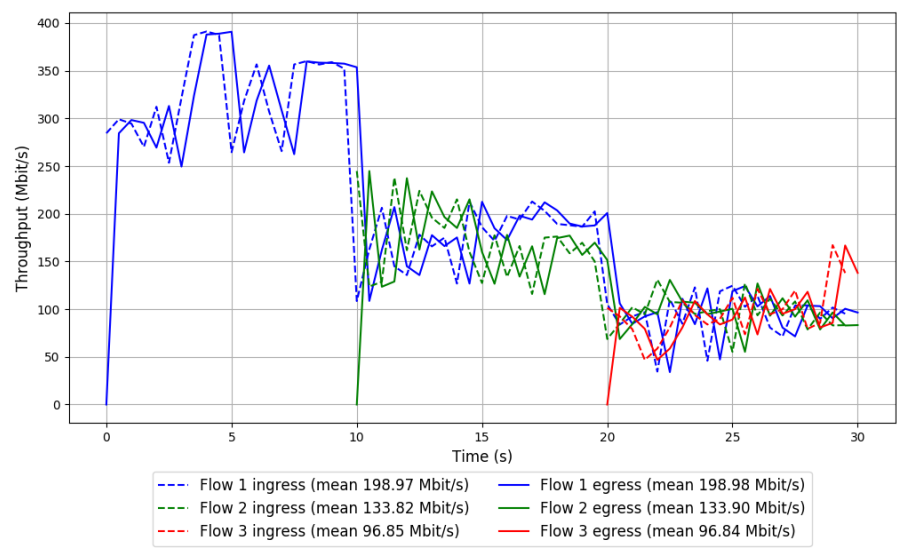
-- Flow 3:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 1.768 ms

Loss rate: 0.01%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-07-18 12:17:50

End at: 2019-07-18 12:18:20

Local clock offset: 3.665 ms

Remote clock offset: 3.324 ms

Below is generated by plot.py at 2019-07-18 14:34:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.29 Mbit/s

95th percentile per-packet one-way delay: 2.371 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 171.78 Mbit/s

95th percentile per-packet one-way delay: 2.596 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 150.39 Mbit/s

95th percentile per-packet one-way delay: 1.799 ms

Loss rate: 0.00%

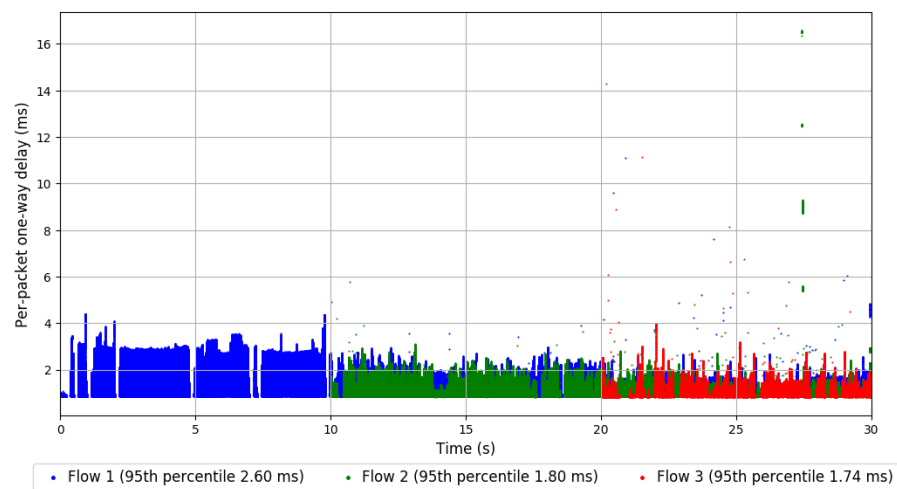
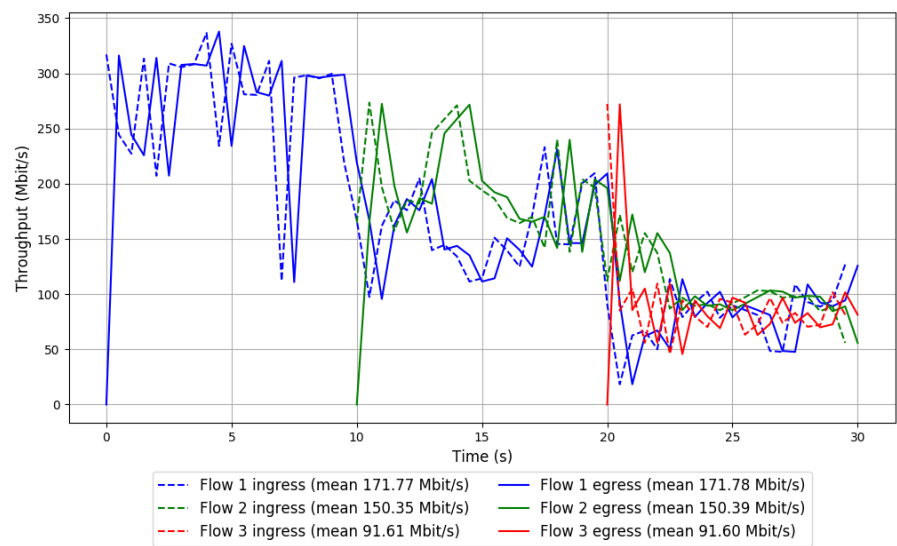
-- Flow 3:

Average throughput: 91.60 Mbit/s

95th percentile per-packet one-way delay: 1.742 ms

Loss rate: 0.01%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-07-18 12:52:17

End at: 2019-07-18 12:52:47

Local clock offset: 0.299 ms

Remote clock offset: 3.262 ms

Below is generated by plot.py at 2019-07-18 14:36:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.58 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 190.53 Mbit/s

95th percentile per-packet one-way delay: 2.487 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 142.18 Mbit/s

95th percentile per-packet one-way delay: 1.875 ms

Loss rate: 0.00%

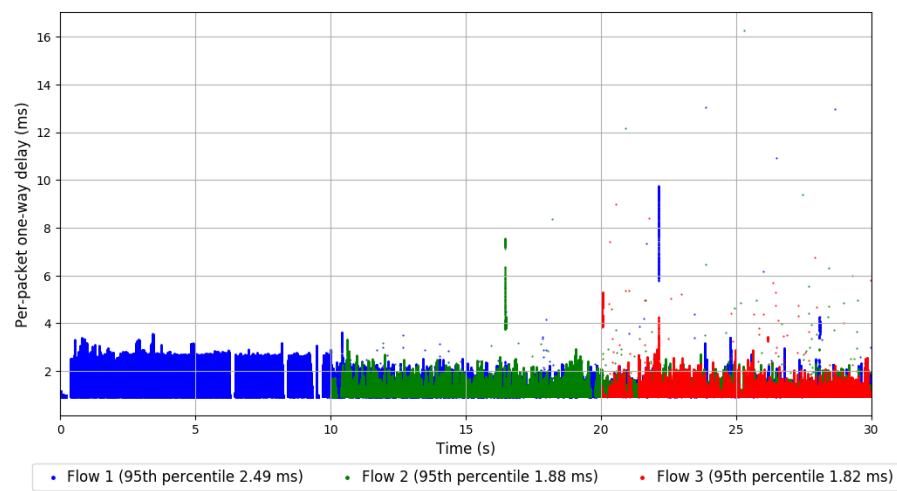
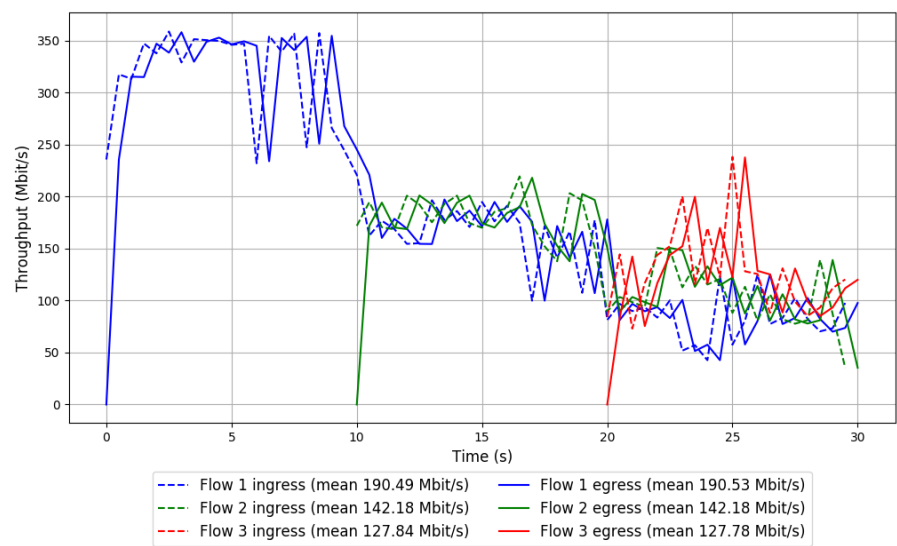
-- Flow 3:

Average throughput: 127.78 Mbit/s

95th percentile per-packet one-way delay: 1.824 ms

Loss rate: 0.01%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-07-18 13:26:41

End at: 2019-07-18 13:27:11

Local clock offset: 0.158 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2019-07-18 14:36:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 301.71 Mbit/s

95th percentile per-packet one-way delay: 2.102 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 177.23 Mbit/s

95th percentile per-packet one-way delay: 2.251 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 132.67 Mbit/s

95th percentile per-packet one-way delay: 1.897 ms

Loss rate: 0.01%

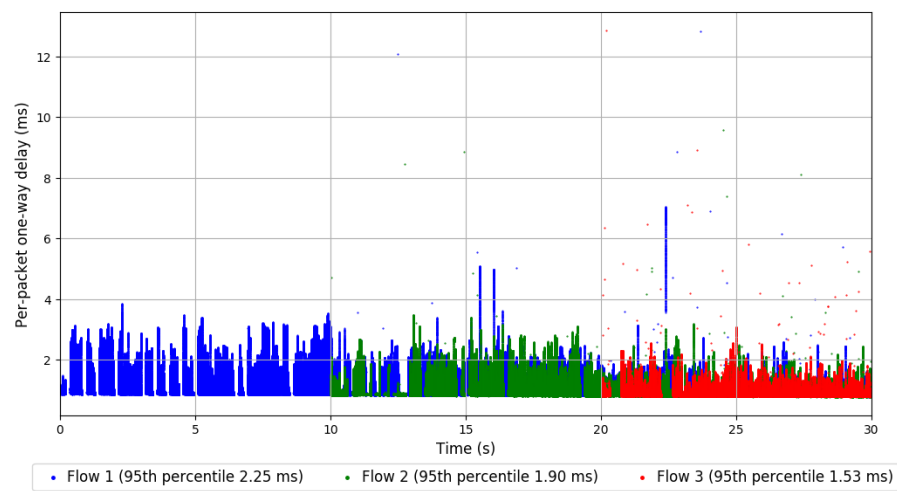
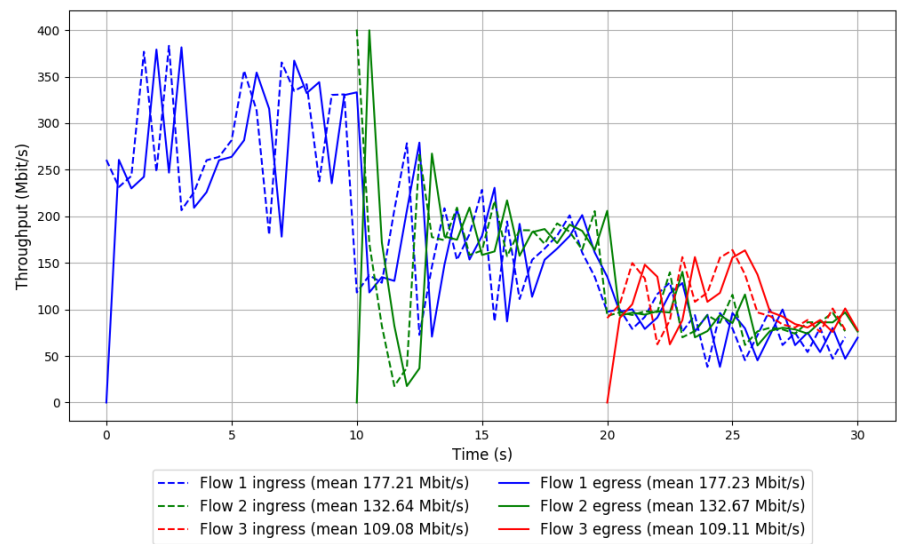
-- Flow 3:

Average throughput: 109.11 Mbit/s

95th percentile per-packet one-way delay: 1.527 ms

Loss rate: 0.02%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-07-18 10:39:30

End at: 2019-07-18 10:40:00

Local clock offset: -0.573 ms

Remote clock offset: 4.58 ms

Below is generated by plot.py at 2019-07-18 14:37:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 367.78 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 203.00 Mbit/s

95th percentile per-packet one-way delay: 1.190 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 176.63 Mbit/s

95th percentile per-packet one-way delay: 1.314 ms

Loss rate: 0.01%

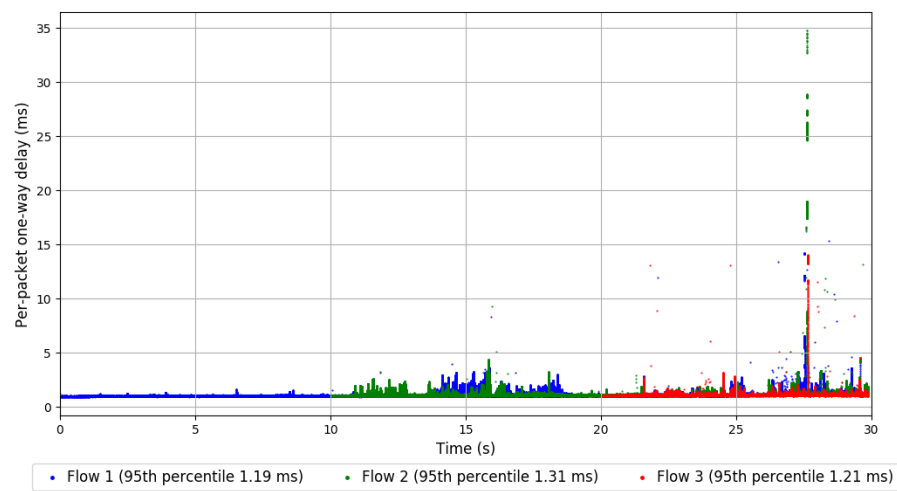
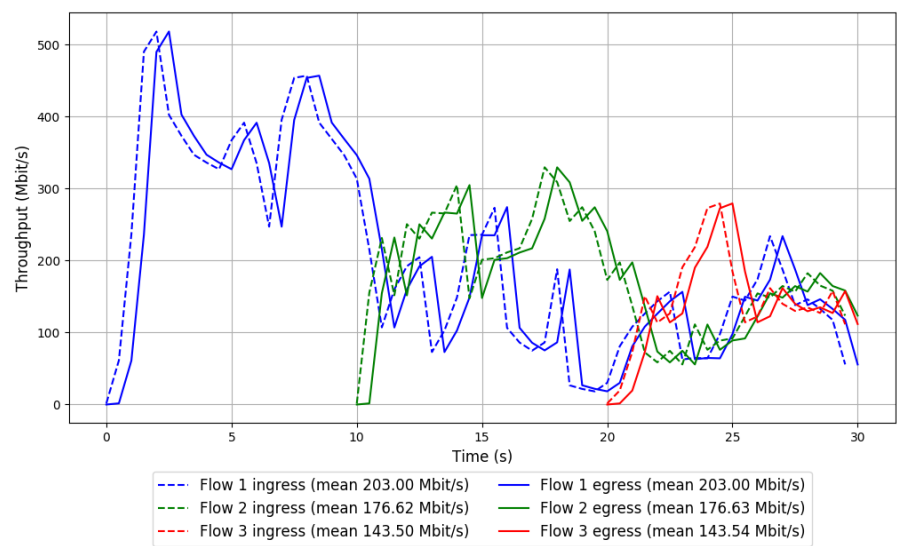
-- Flow 3:

Average throughput: 143.54 Mbit/s

95th percentile per-packet one-way delay: 1.209 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-07-18 11:13:47

End at: 2019-07-18 11:14:17

Local clock offset: 4.54 ms

Remote clock offset: 4.503 ms

Below is generated by plot.py at 2019-07-18 14:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.32 Mbit/s

95th percentile per-packet one-way delay: 0.762 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 239.48 Mbit/s

95th percentile per-packet one-way delay: 0.758 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 153.03 Mbit/s

95th percentile per-packet one-way delay: 0.787 ms

Loss rate: 0.01%

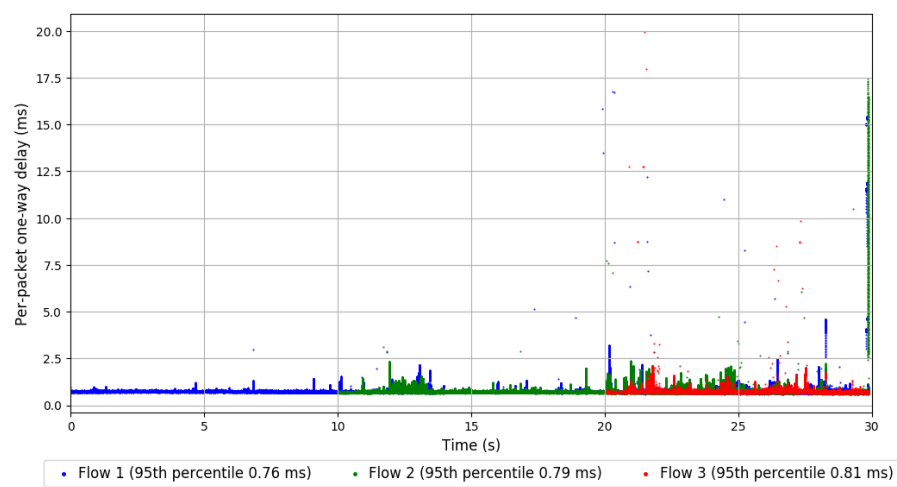
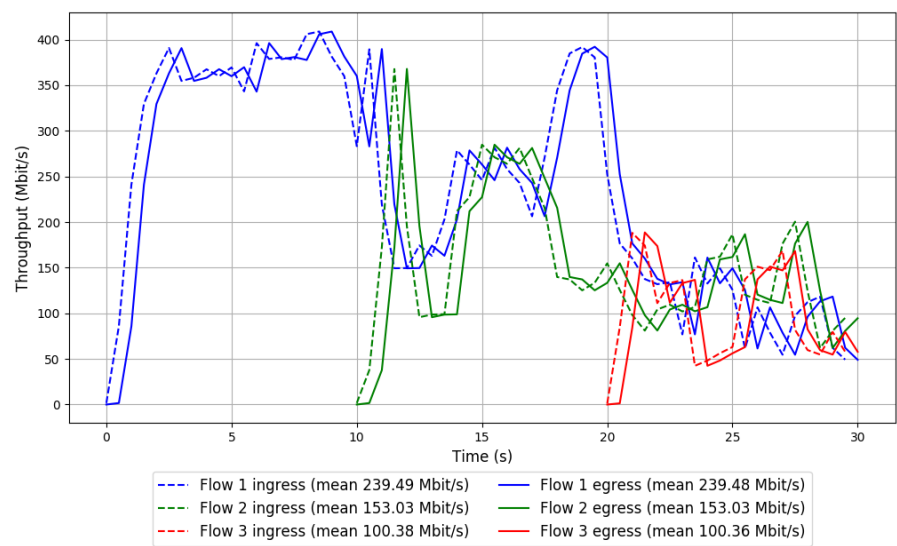
-- Flow 3:

Average throughput: 100.36 Mbit/s

95th percentile per-packet one-way delay: 0.809 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-07-18 11:48:09

End at: 2019-07-18 11:48:39

Local clock offset: 4.392 ms

Remote clock offset: 3.562 ms

Below is generated by plot.py at 2019-07-18 14:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 348.97 Mbit/s

95th percentile per-packet one-way delay: 1.049 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 194.87 Mbit/s

95th percentile per-packet one-way delay: 1.079 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 178.46 Mbit/s

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

Loss rate: 0.00%

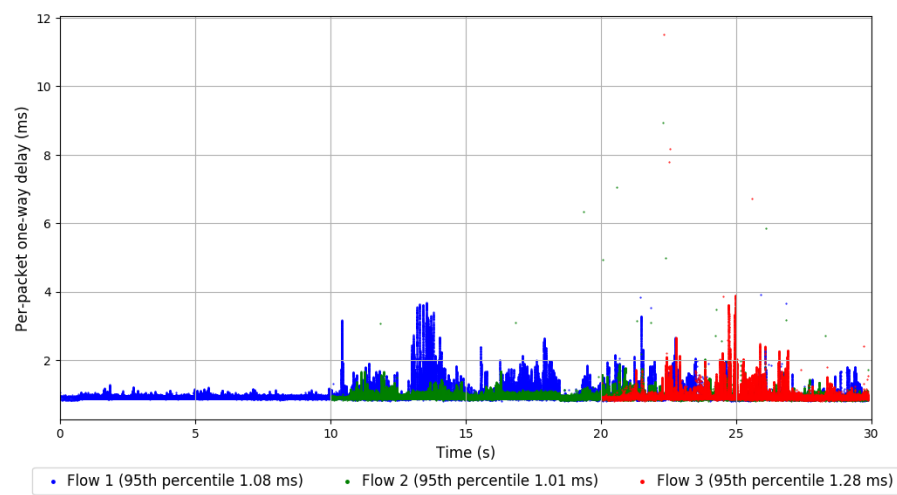
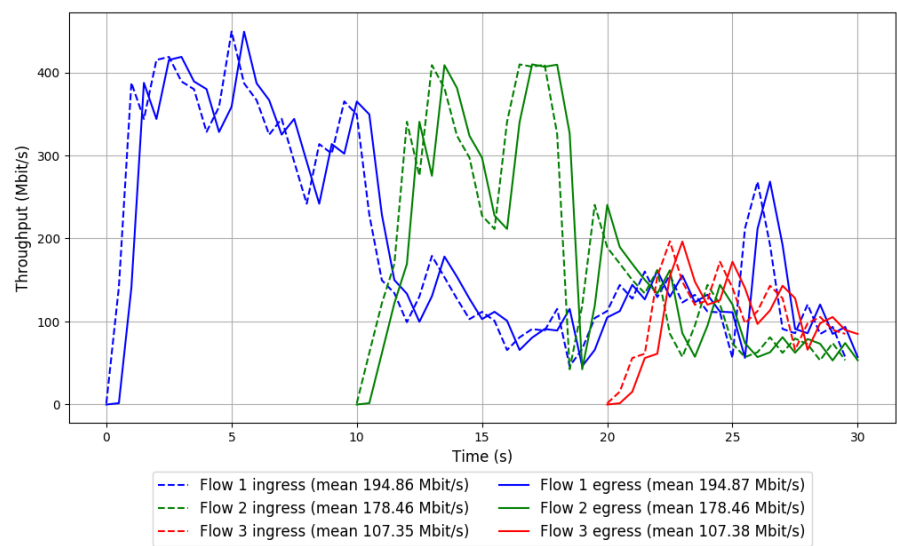
-- Flow 3:

Average throughput: 107.38 Mbit/s

95th percentile per-packet one-way delay: 1.277 ms

Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-07-18 12:22:16

End at: 2019-07-18 12:22:46

Local clock offset: 3.682 ms

Remote clock offset: 3.262 ms

Below is generated by plot.py at 2019-07-18 14:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.24 Mbit/s

95th percentile per-packet one-way delay: 1.070 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 215.23 Mbit/s

95th percentile per-packet one-way delay: 0.971 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 168.04 Mbit/s

95th percentile per-packet one-way delay: 1.327 ms

Loss rate: 0.02%

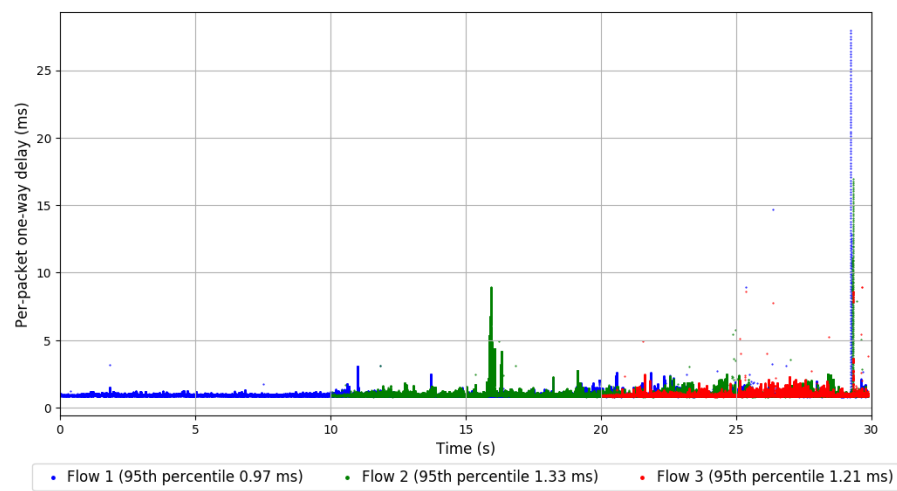
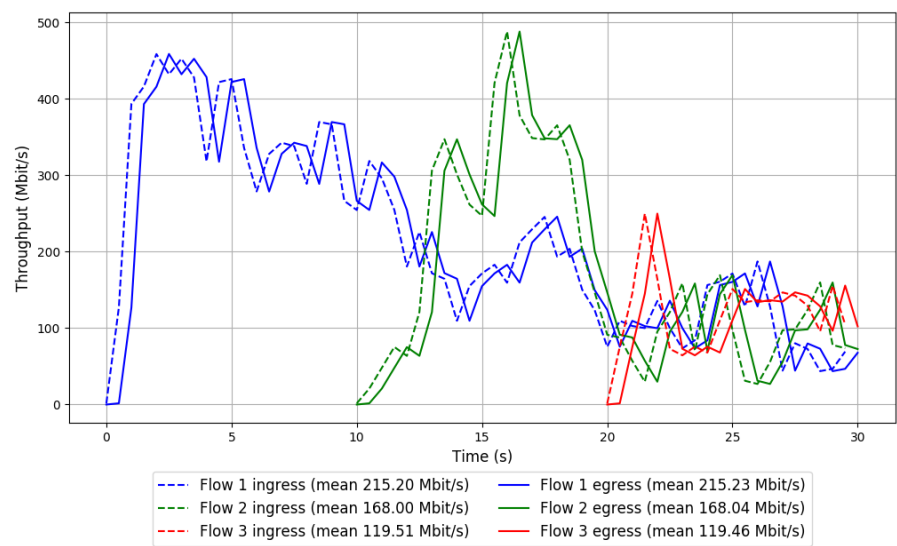
-- Flow 3:

Average throughput: 119.46 Mbit/s

95th percentile per-packet one-way delay: 1.213 ms

Loss rate: 0.11%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-07-18 12:56:46

End at: 2019-07-18 12:57:16

Local clock offset: 0.261 ms

Remote clock offset: 3.271 ms

Below is generated by plot.py at 2019-07-18 14:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 316.25 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 212.12 Mbit/s

95th percentile per-packet one-way delay: 0.971 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 106.36 Mbit/s

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

Loss rate: 0.00%

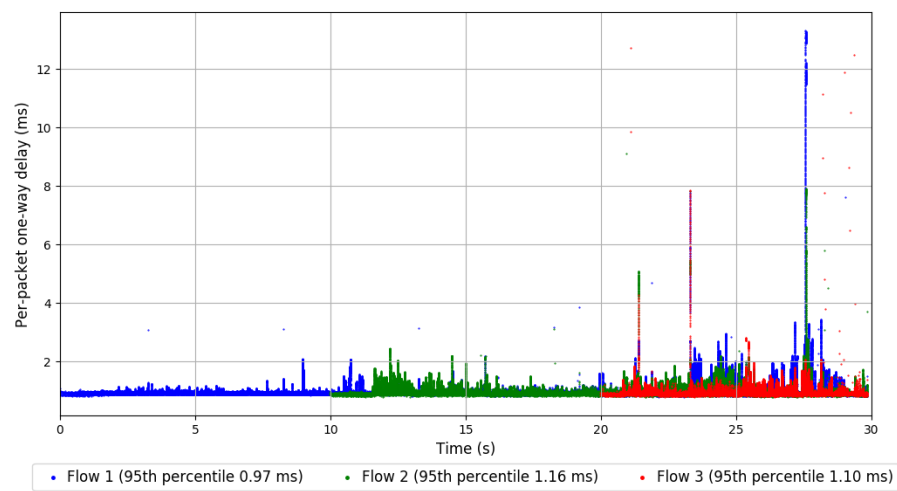
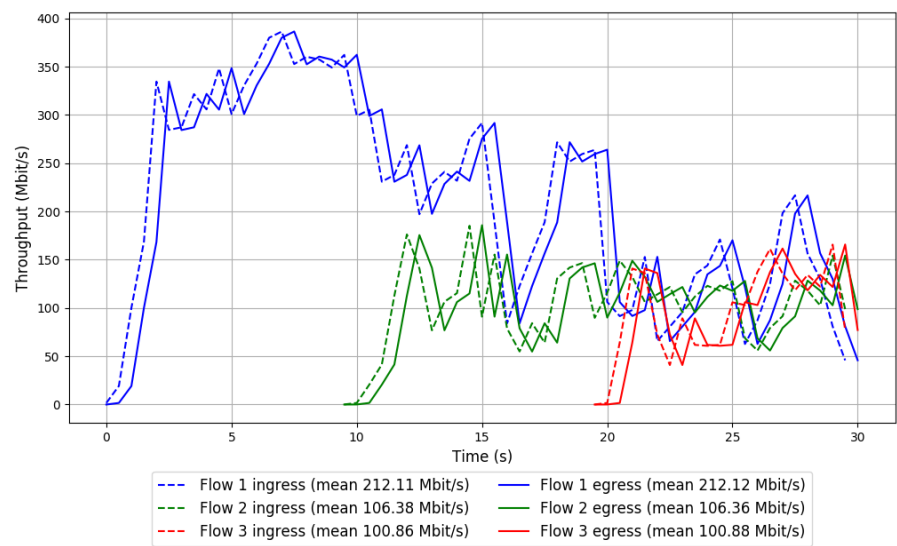
-- Flow 3:

Average throughput: 100.88 Mbit/s

95th percentile per-packet one-way delay: 1.100 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-07-18 10:43:46

End at: 2019-07-18 10:44:16

Local clock offset: -1.345 ms

Remote clock offset: 4.644 ms

Below is generated by plot.py at 2019-07-18 14:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.132 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.00%

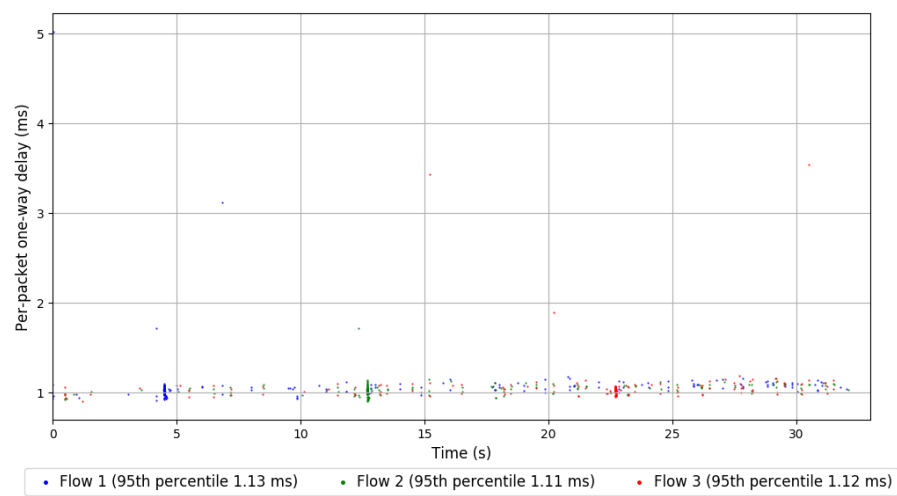
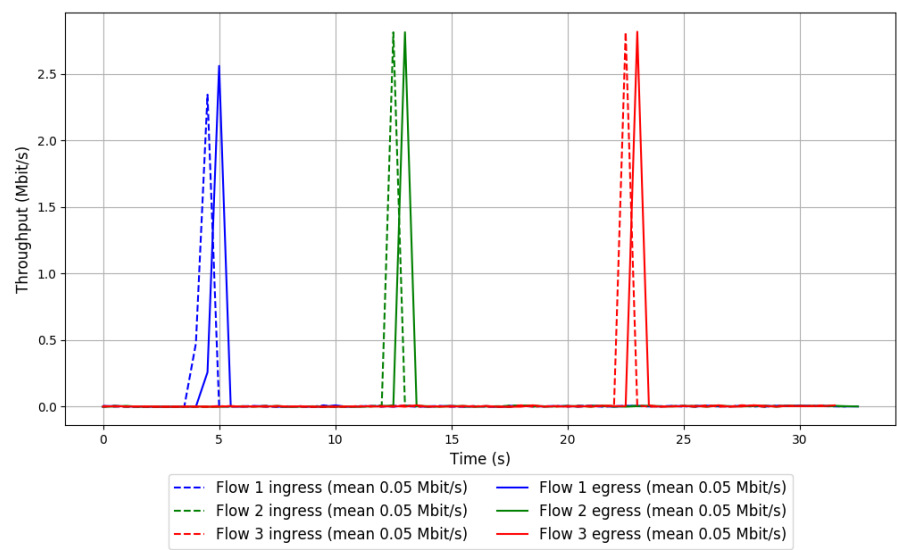
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.125 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-07-18 11:18:03

End at: 2019-07-18 11:18:33

Local clock offset: 5.092 ms

Remote clock offset: 4.53 ms

Below is generated by plot.py at 2019-07-18 14:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 0.952 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.939 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.00%

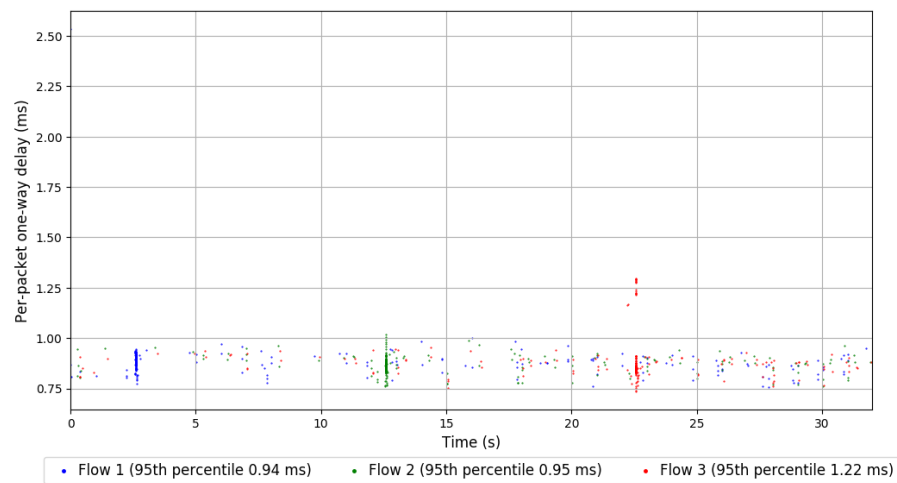
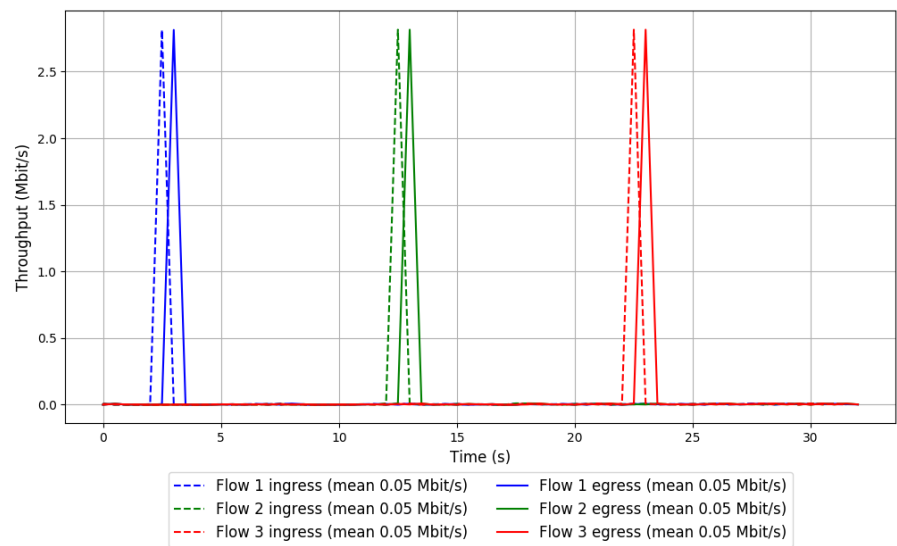
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-07-18 11:52:26

End at: 2019-07-18 11:52:56

Local clock offset: 4.42 ms

Remote clock offset: 3.479 ms

Below is generated by plot.py at 2019-07-18 14:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.006 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.833 ms

Loss rate: 0.00%

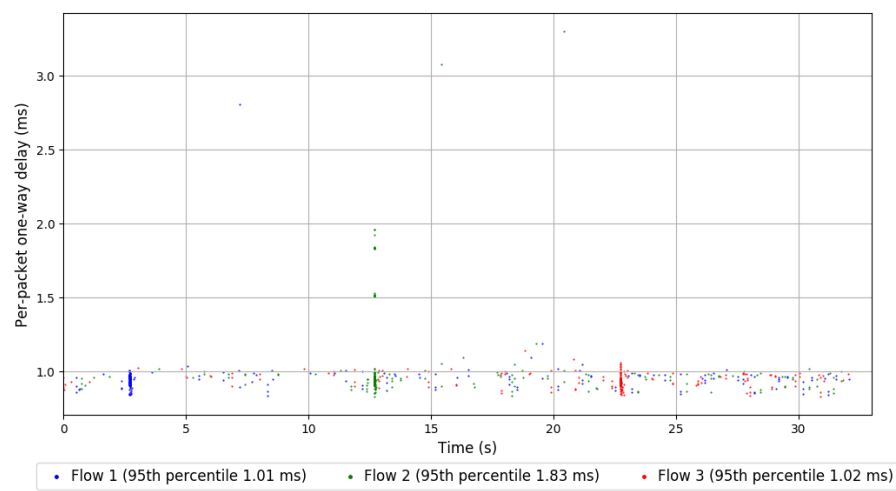
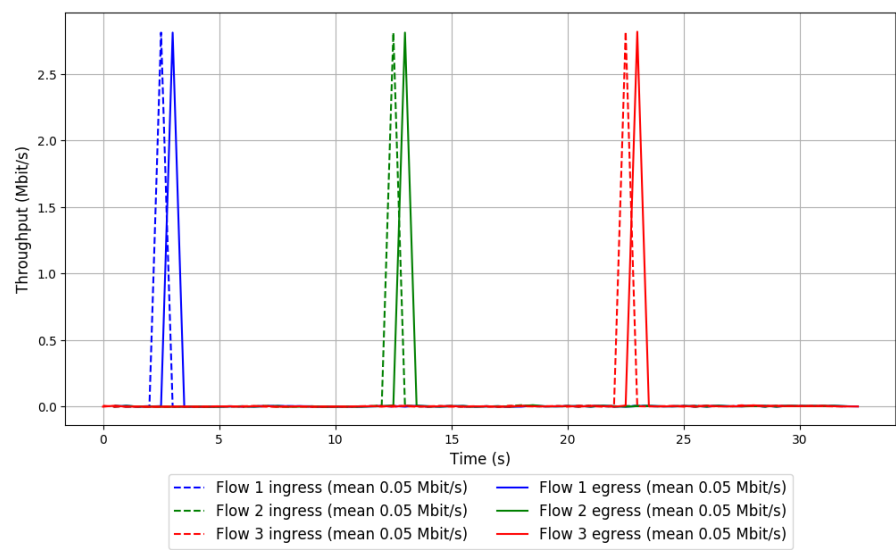
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-07-18 12:26:34

End at: 2019-07-18 12:27:04

Local clock offset: 3.183 ms

Remote clock offset: 3.242 ms

Below is generated by plot.py at 2019-07-18 14:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 1.255 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.231 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.391 ms

Loss rate: 0.00%

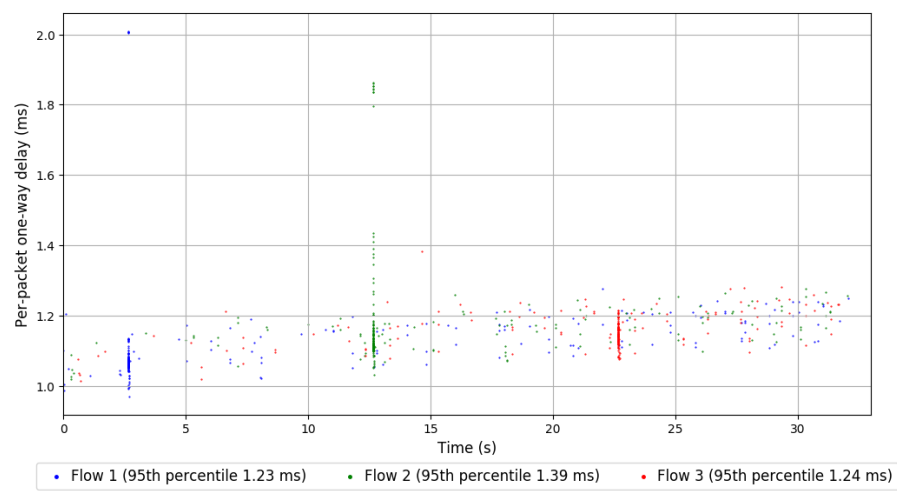
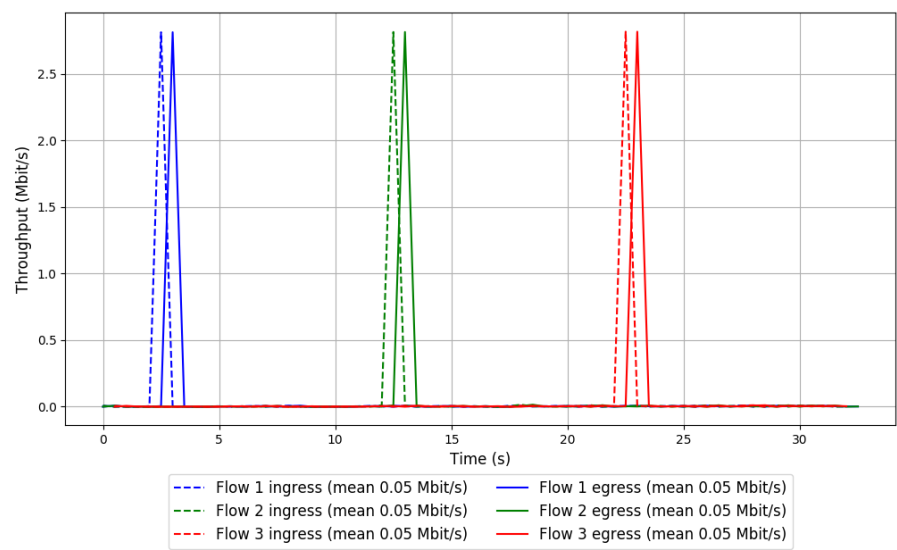
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.238 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-18 13:01:04

End at: 2019-07-18 13:01:34

Local clock offset: 0.345 ms

Remote clock offset: 3.324 ms

Below is generated by plot.py at 2019-07-18 14:38:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 0.951 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.930 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: 0.943 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

