

Pantheon Report

Generated at 2019-07-18 13:13:10 (UTC).

Data path: Brazil on **p4p1** (*remote*) → AWS Brazil 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 **gps.ntp.br** and have been applied to correct the timestamps in logs.

System info:

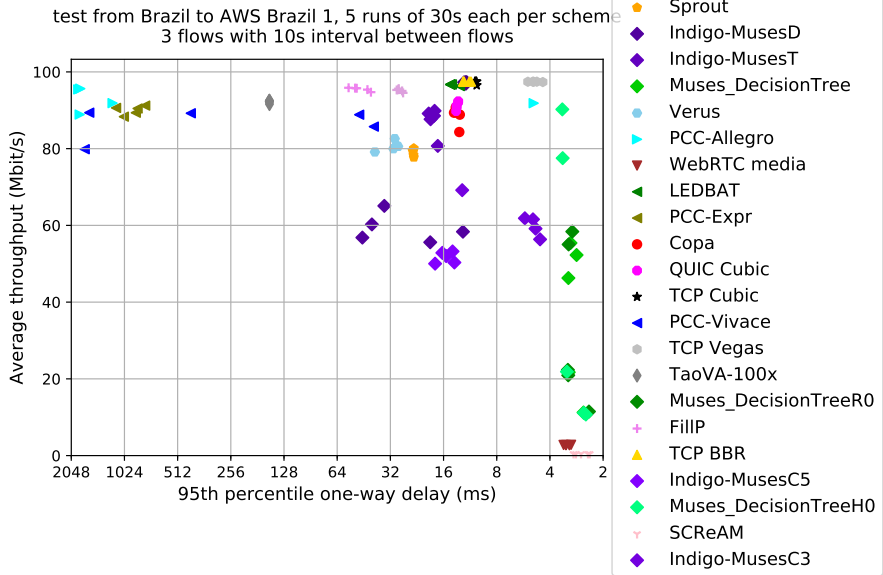
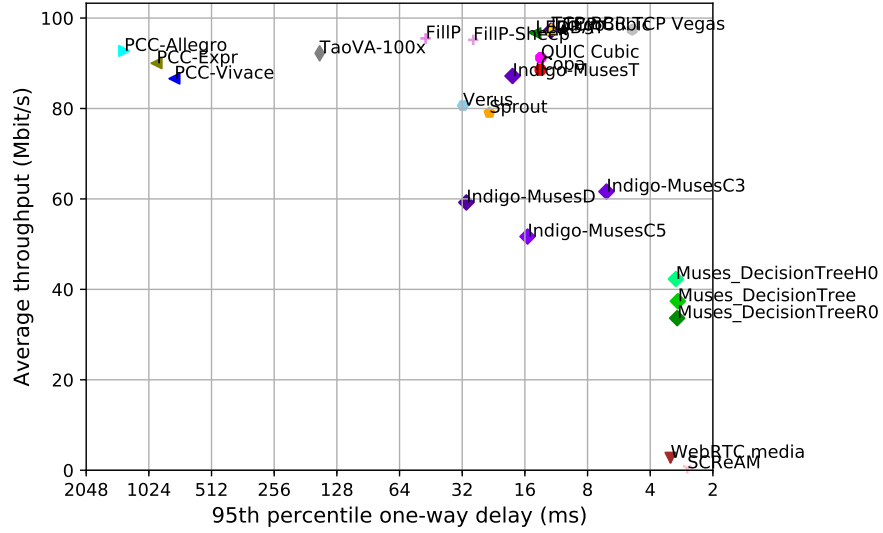
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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



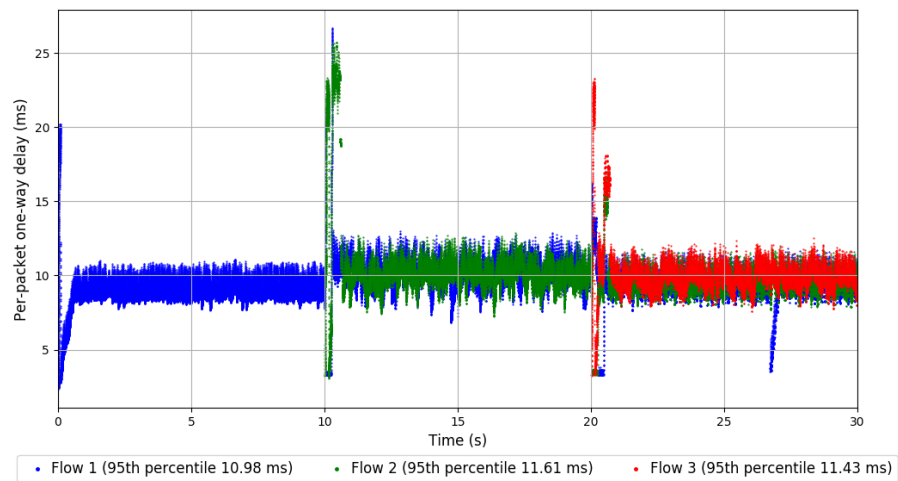
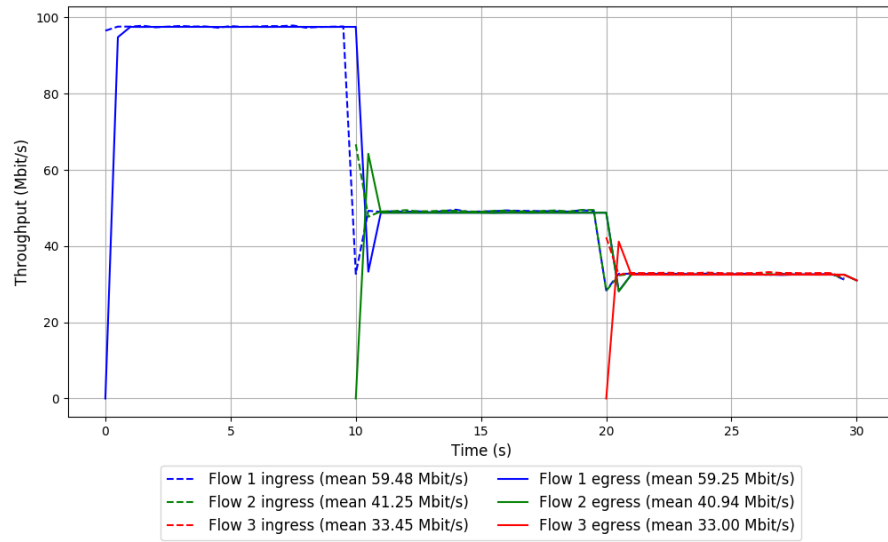
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	59.26	40.94	33.00	11.61	12.55	12.30	0.62	1.06	1.49
Copa	5	52.08	39.23	31.15	12.37	14.97	14.61	0.05	0.09	0.16
TCP Cubic	5	59.46	40.56	32.57	10.57	10.25	10.66	0.07	0.13	0.24
FillP	5	57.67	42.76	28.18	36.70	51.92	31.76	0.24	2.75	0.86
FillP-Sheep	5	57.86	39.86	32.49	25.41	28.99	34.11	0.04	0.07	0.23
Indigo	5	59.59	40.62	32.32	11.50	12.16	9.36	0.49	1.30	0.76
Indigo-MusesC3	5	45.59	18.23	18.09	6.52	4.60	5.28	0.01	0.04	0.10
Indigo-MusesC5	5	27.49	25.26	32.31	13.58	13.97	19.07	0.04	0.07	0.09
Indigo-MusesD	5	31.92	26.57	41.68	13.13	10.79	37.62	0.06	0.05	1.57
Indigo-MusesT	5	57.67	36.58	26.77	16.26	21.09	18.93	0.04	0.10	0.21
LEDBAT	5	59.28	39.99	32.30	14.03	14.51	13.63	0.12	0.22	0.39
Muses_DecisionTree	5	29.04	6.87	11.87	2.85	2.71	2.91	0.01	0.02	0.05
Muses_DecisionTreeH0	5	34.99	5.15	12.16	2.87	2.78	2.91	0.01	0.02	0.06
Muses_DecisionTreeR0	5	19.67	12.32	18.30	2.77	2.81	2.94	0.02	0.01	0.05
PCC-Allegro	5	67.76	27.94	19.45	1453.91	283.36	6.47	7.48	2.39	0.06
PCC-Expr	5	54.62	38.89	28.86	769.87	789.42	222.04	4.24	14.09	2.29
QUIC Cubic	5	54.30	40.06	31.06	13.23	13.21	14.05	0.15	0.29	0.47
SCReAM	5	0.22	0.22	0.22	2.57	2.48	2.47	0.00	0.00	0.07
Sprout	5	42.53	38.96	32.18	22.26	23.75	25.08	0.05	0.08	0.22
TaoVA-100x	5	55.47	39.30	31.81	153.63	155.14	155.43	0.52	1.15	2.79
TCP Vegas	5	53.89	48.07	34.72	3.98	4.70	5.32	0.01	0.02	0.06
Verus	5	47.59	34.71	29.93	25.33	30.15	133.72	0.03	0.07	0.12
PCC-Vivace	5	54.66	35.74	24.81	310.33	767.68	8.67	1.09	4.38	0.06
WebRTC media	5	1.50	0.85	0.41	3.07	3.15	3.31	0.00	0.38	0.02

Run 1: Statistics of TCP BBR

Start at: 2019-07-18 10:45:45
End at: 2019-07-18 10:46:15
Local clock offset: -3.862 ms
Remote clock offset: -0.344 ms

Below is generated by plot.py at 2019-07-18 12:58:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 11.196 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 10.980 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 11.606 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 11.432 ms
Loss rate: 1.39%

Run 1: Report of TCP BBR — Data Link

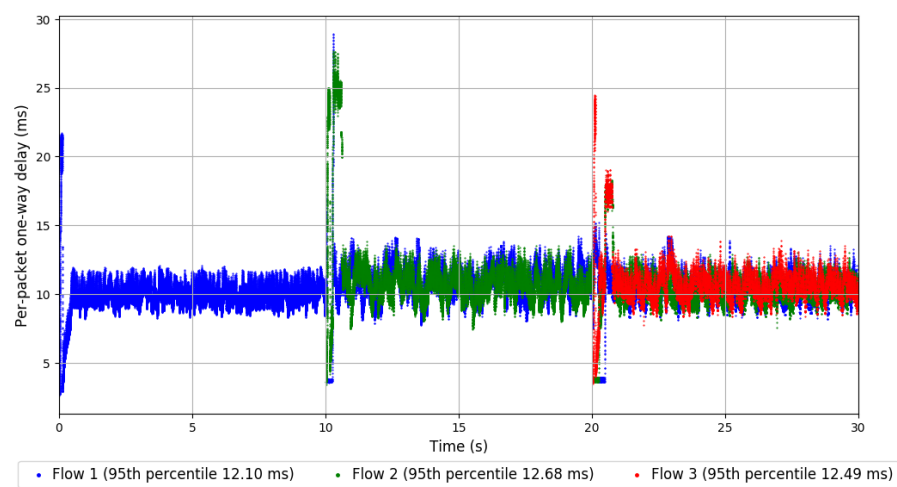
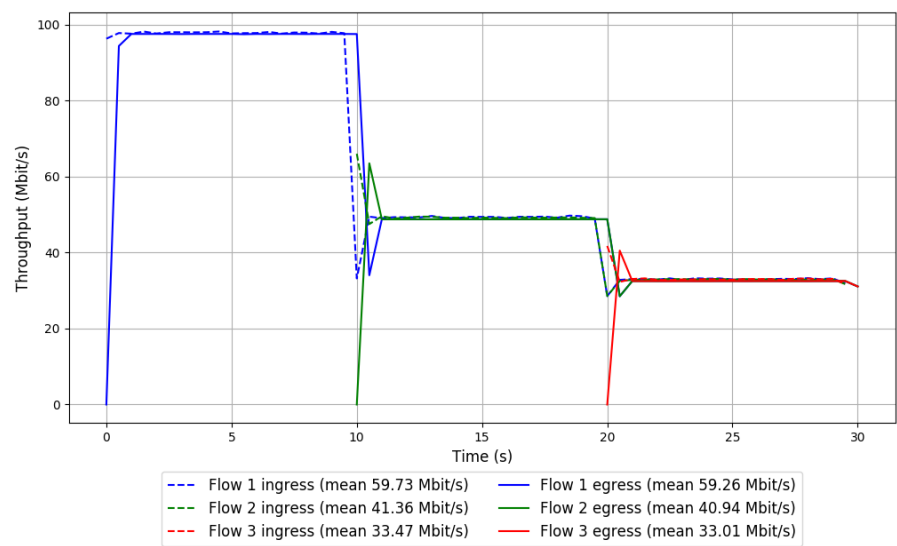


Run 2: Statistics of TCP BBR

Start at: 2019-07-18 11:13:21
End at: 2019-07-18 11:13:51
Local clock offset: -3.135 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-07-18 12:58:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 12.267 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 12.096 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 12.683 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 12.490 ms
Loss rate: 1.47%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-07-18 11:40:53

End at: 2019-07-18 11:41:23

Local clock offset: -2.411 ms

Remote clock offset: 0.35 ms

Below is generated by plot.py at 2019-07-18 12:58:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 12.317 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 59.24 Mbit/s

95th percentile per-packet one-way delay: 12.148 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 40.94 Mbit/s

95th percentile per-packet one-way delay: 13.036 ms

Loss rate: 1.11%

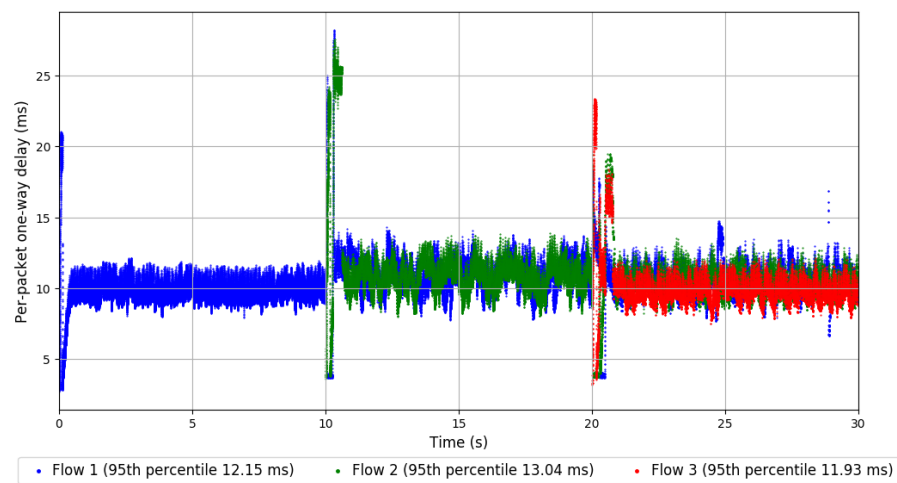
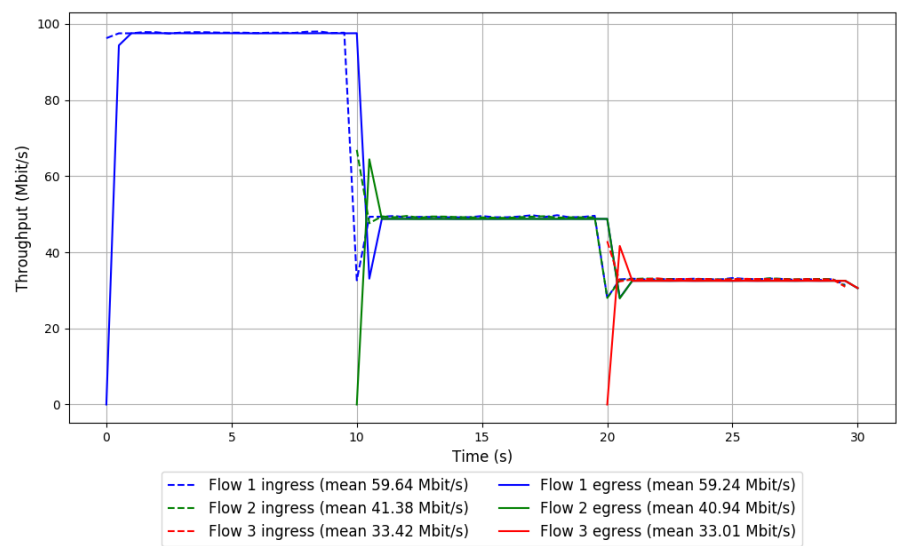
-- Flow 3:

Average throughput: 33.01 Mbit/s

95th percentile per-packet one-way delay: 11.925 ms

Loss rate: 1.30%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-07-18 12:08:26

End at: 2019-07-18 12:08:56

Local clock offset: -3.754 ms

Remote clock offset: 0.516 ms

Below is generated by plot.py at 2019-07-18 12:58:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 11.439 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 59.27 Mbit/s

95th percentile per-packet one-way delay: 11.127 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 40.94 Mbit/s

95th percentile per-packet one-way delay: 11.755 ms

Loss rate: 1.11%

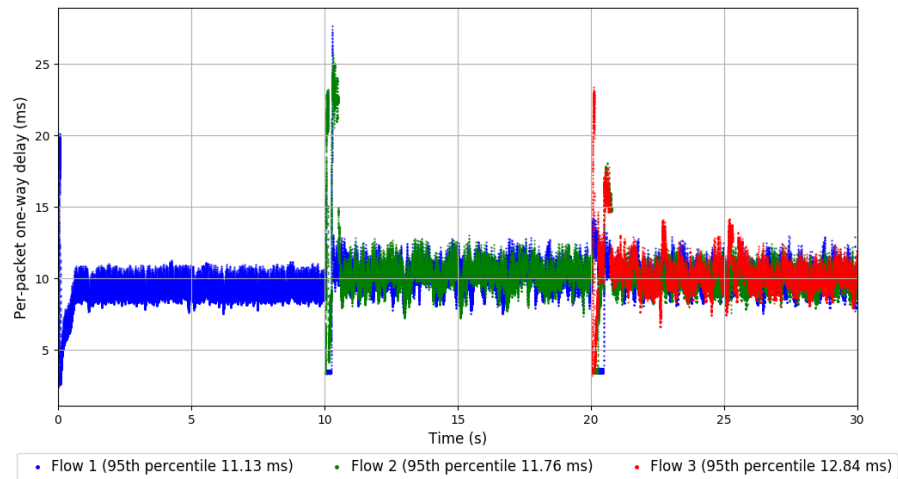
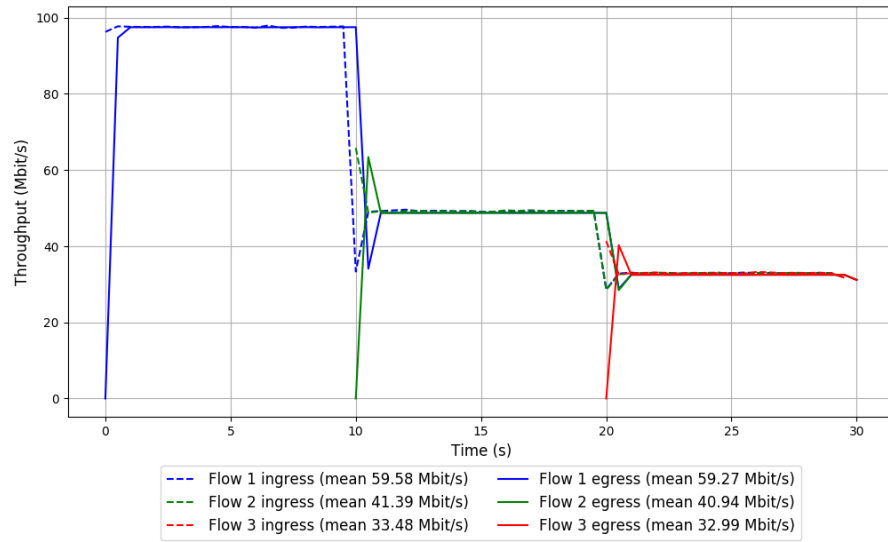
-- Flow 3:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 12.840 ms

Loss rate: 1.50%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-07-18 12:36:02

End at: 2019-07-18 12:36:32

Local clock offset: -3.899 ms

Remote clock offset: 0.646 ms

Below is generated by plot.py at 2019-07-18 12:58:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 12.391 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 11.721 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 40.94 Mbit/s

95th percentile per-packet one-way delay: 13.664 ms

Loss rate: 1.25%

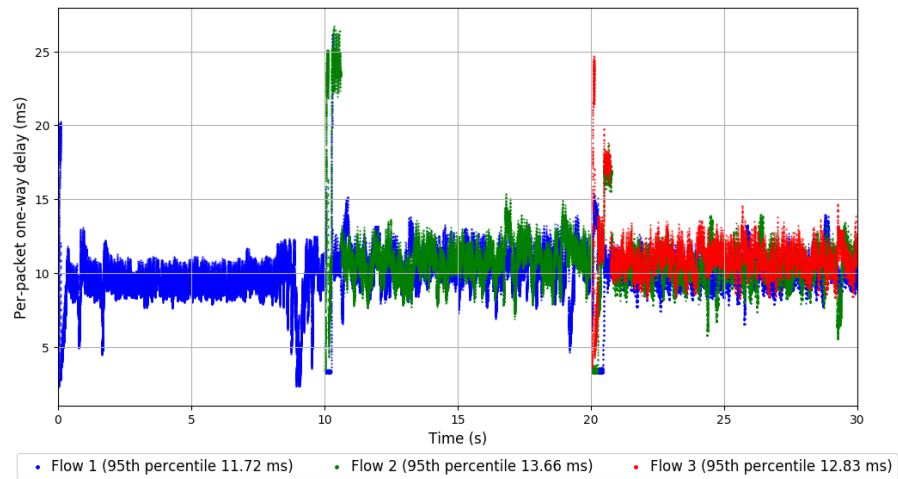
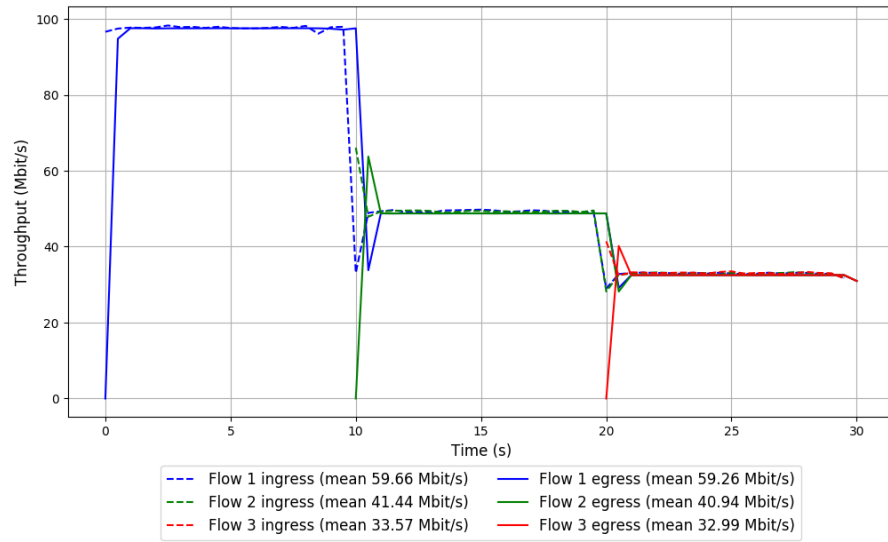
-- Flow 3:

Average throughput: 32.99 Mbit/s

95th percentile per-packet one-way delay: 12.828 ms

Loss rate: 1.81%

Run 5: Report of TCP BBR — Data Link

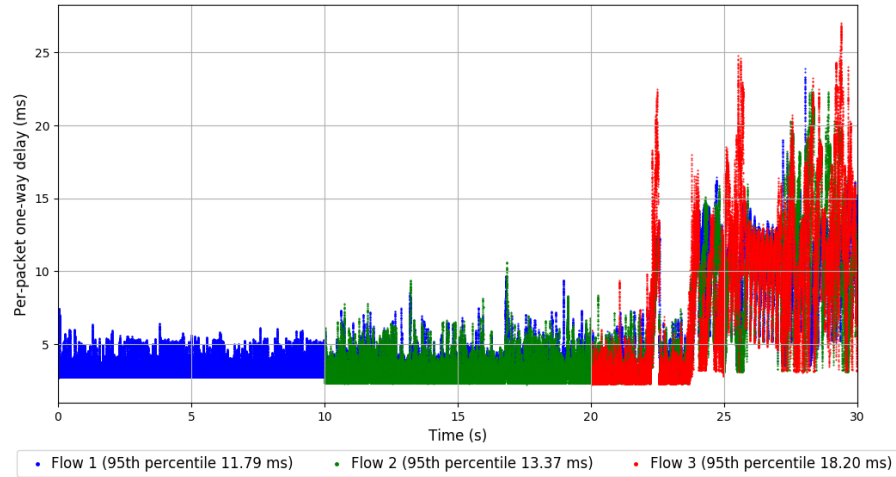
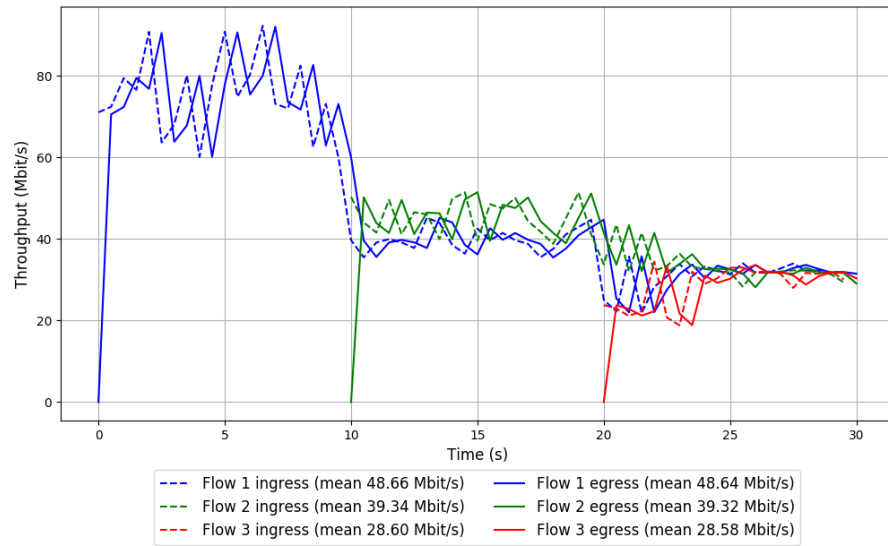


Run 1: Statistics of Copa

Start at: 2019-07-18 10:46:55
End at: 2019-07-18 10:47:25
Local clock offset: -3.959 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2019-07-18 12:59:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.33 Mbit/s
95th percentile per-packet one-way delay: 13.031 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 11.793 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.32 Mbit/s
95th percentile per-packet one-way delay: 13.367 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 28.58 Mbit/s
95th percentile per-packet one-way delay: 18.200 ms
Loss rate: 0.13%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-07-18 11:14:31

End at: 2019-07-18 11:15:01

Local clock offset: -2.888 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2019-07-18 12:59:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.75 Mbit/s

95th percentile per-packet one-way delay: 13.648 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 12.925 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 14.338 ms

Loss rate: 0.08%

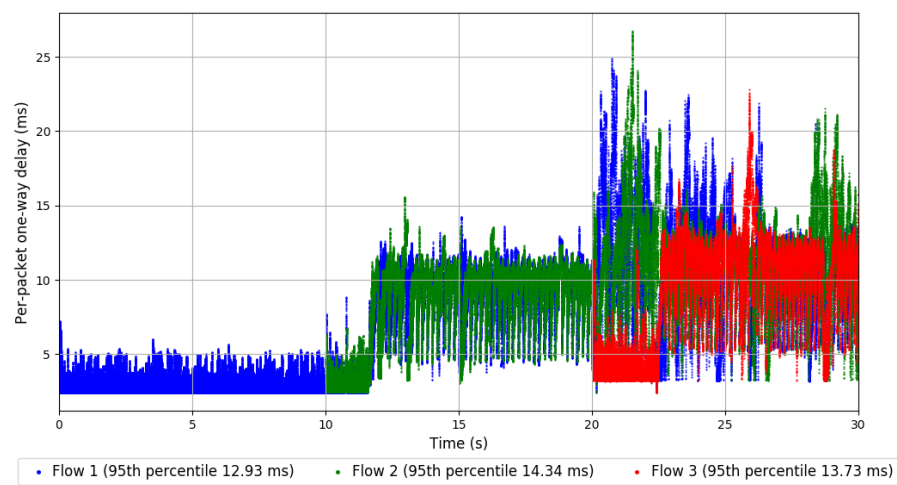
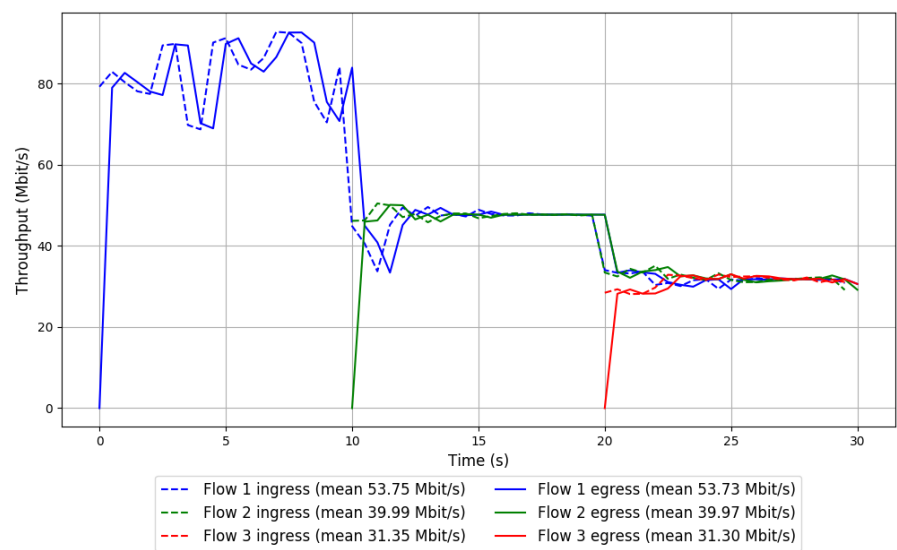
-- Flow 3:

Average throughput: 31.30 Mbit/s

95th percentile per-packet one-way delay: 13.730 ms

Loss rate: 0.20%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-07-18 11:42:03

End at: 2019-07-18 11:42:33

Local clock offset: -2.387 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2019-07-18 12:59:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 13.690 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 13.041 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 14.123 ms

Loss rate: 0.07%

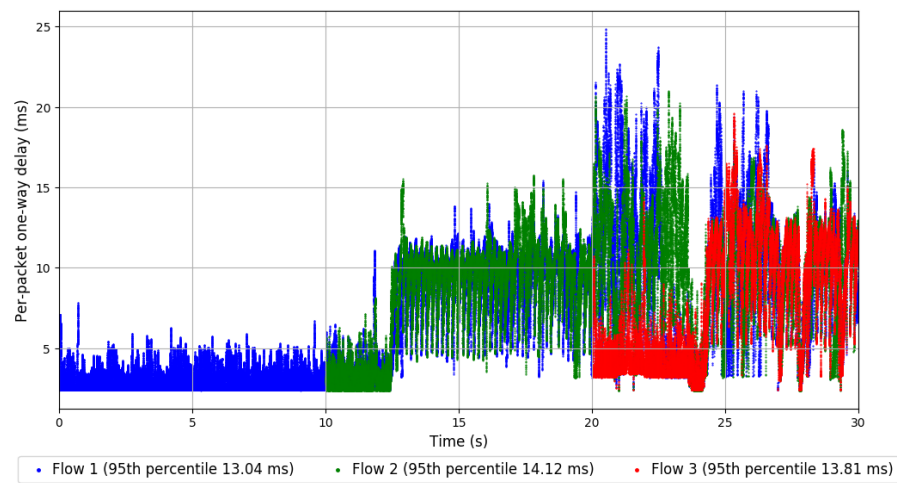
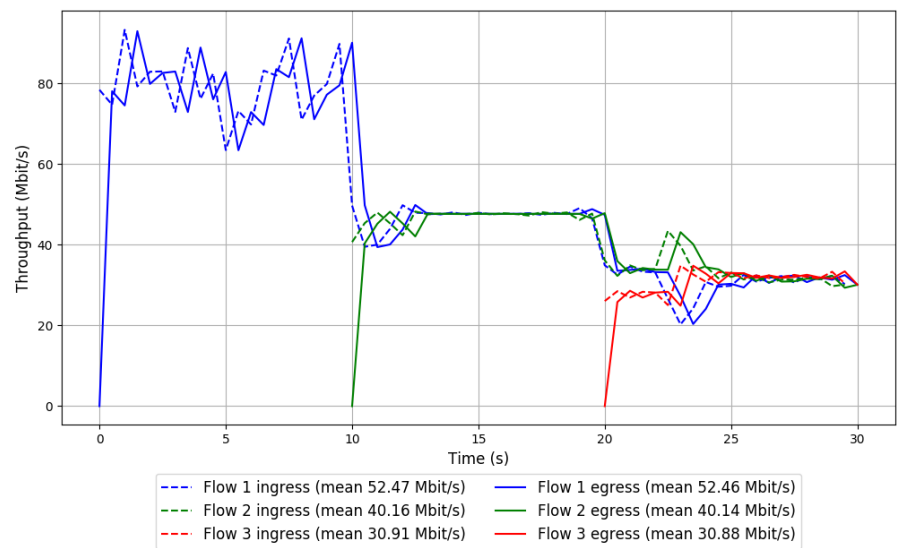
-- Flow 3:

Average throughput: 30.88 Mbit/s

95th percentile per-packet one-way delay: 13.810 ms

Loss rate: 0.16%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-07-18 12:09:35

End at: 2019-07-18 12:10:05

Local clock offset: -3.901 ms

Remote clock offset: 0.51 ms

Below is generated by plot.py at 2019-07-18 13:00:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.37 Mbit/s

95th percentile per-packet one-way delay: 13.962 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 52.85 Mbit/s

95th percentile per-packet one-way delay: 12.434 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 38.43 Mbit/s

95th percentile per-packet one-way delay: 17.048 ms

Loss rate: 0.11%

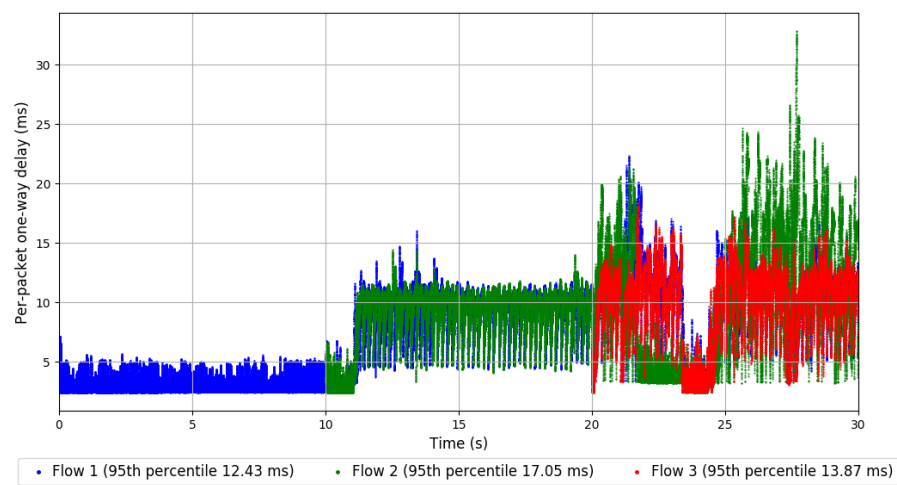
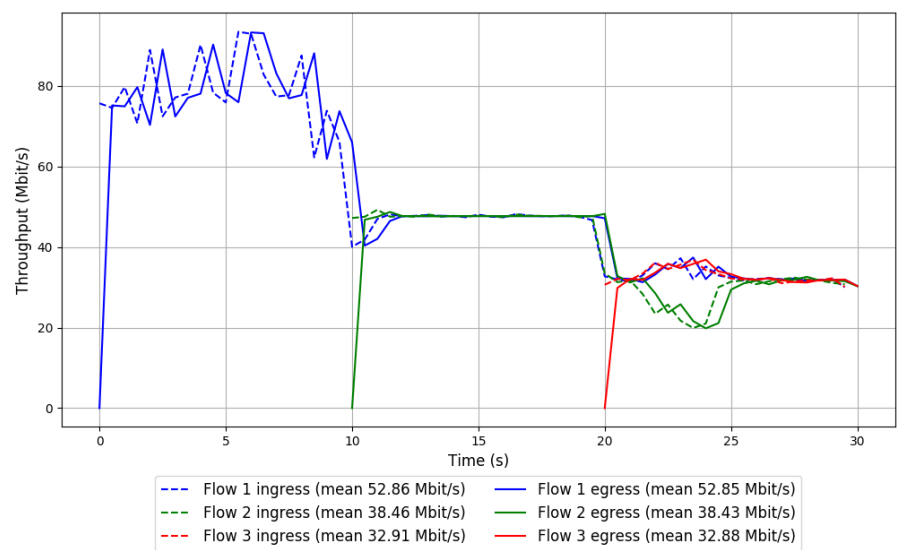
-- Flow 3:

Average throughput: 32.88 Mbit/s

95th percentile per-packet one-way delay: 13.871 ms

Loss rate: 0.13%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

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

End at: 2019-07-18 12:37:42

Local clock offset: -4.041 ms

Remote clock offset: 0.587 ms

Below is generated by plot.py at 2019-07-18 13:00:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 12.948 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 52.71 Mbit/s

95th percentile per-packet one-way delay: 11.658 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 38.27 Mbit/s

95th percentile per-packet one-way delay: 15.984 ms

Loss rate: 0.10%

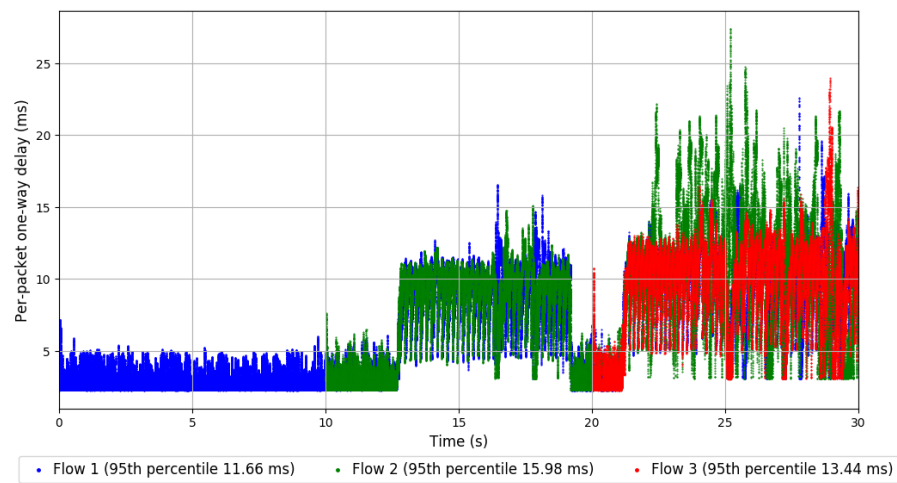
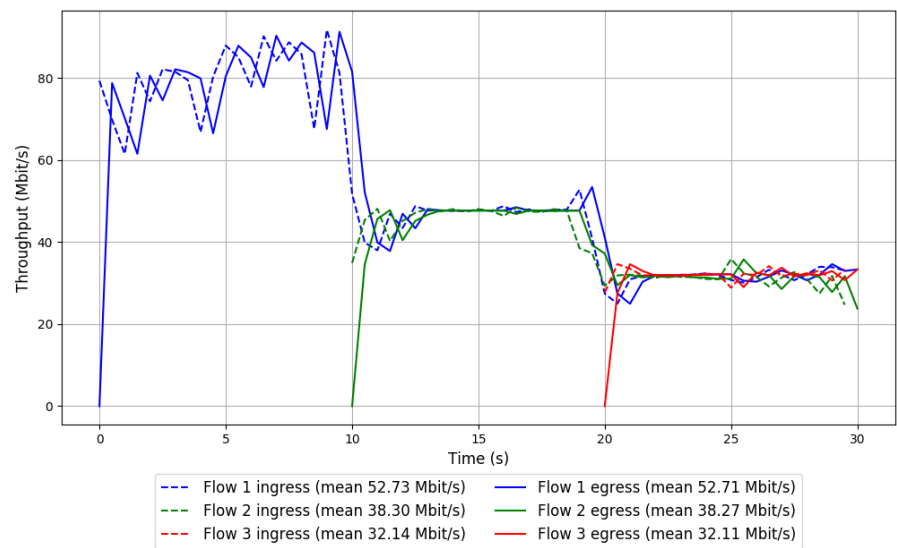
-- Flow 3:

Average throughput: 32.11 Mbit/s

95th percentile per-packet one-way delay: 13.438 ms

Loss rate: 0.18%

Run 5: Report of Copa — Data Link

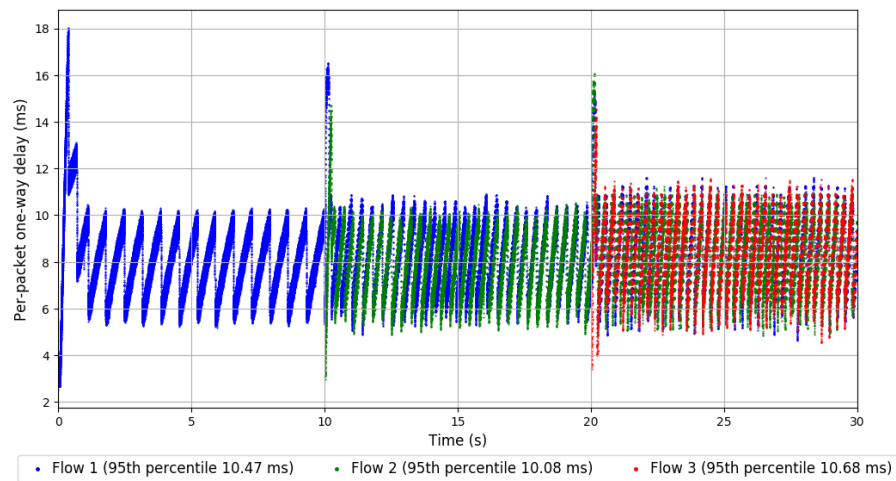
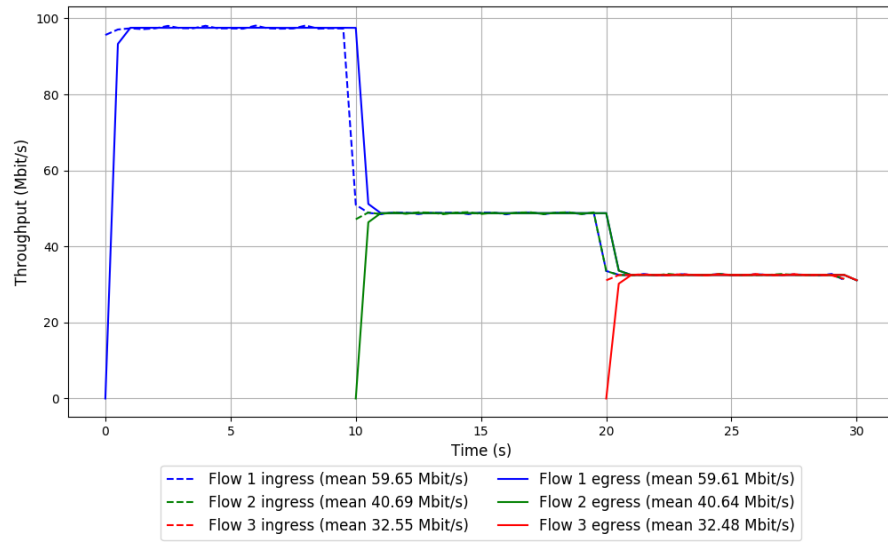


Run 1: Statistics of TCP Cubic

Start at: 2019-07-18 10:38:59
End at: 2019-07-18 10:39:29
Local clock offset: -4.054 ms
Remote clock offset: -0.397 ms

Below is generated by plot.py at 2019-07-18 13:00:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 10.414 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 10.471 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 10.076 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 10.684 ms
Loss rate: 0.27%

Run 1: Report of TCP Cubic — Data Link

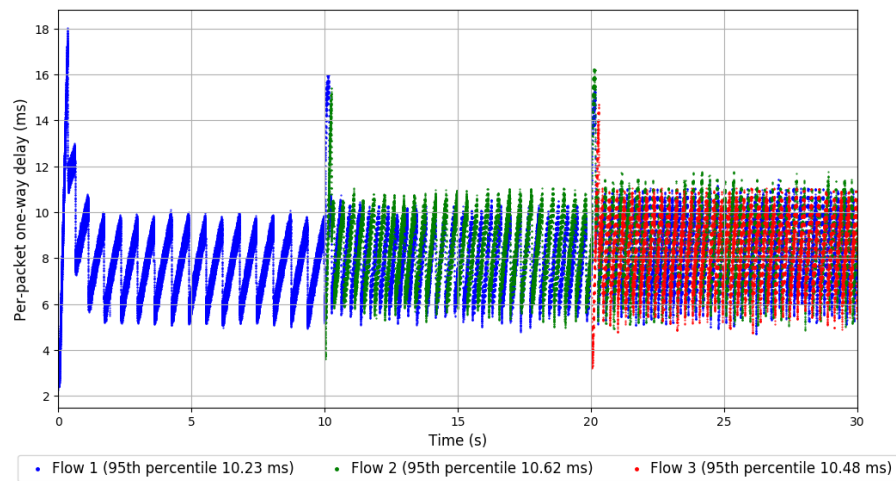
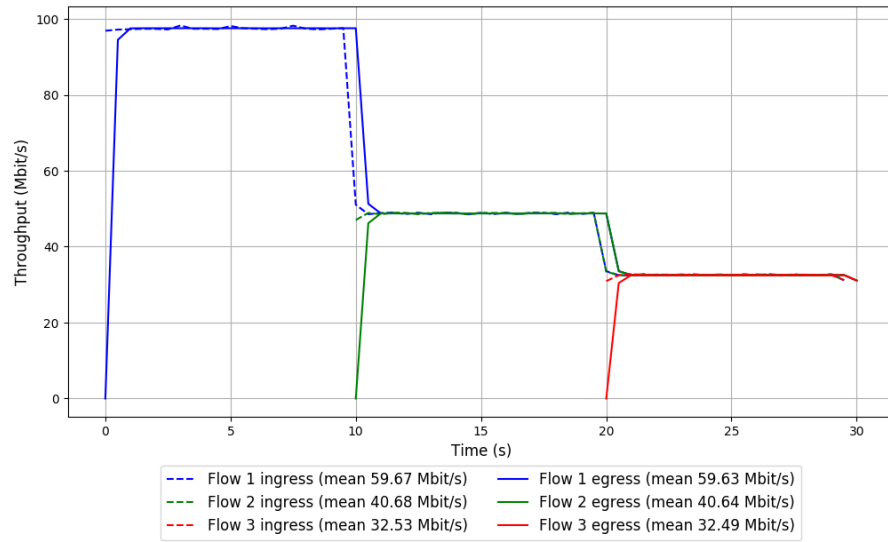


Run 2: Statistics of TCP Cubic

Start at: 2019-07-18 11:06:32
End at: 2019-07-18 11:07:02
Local clock offset: -3.145 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-07-18 13:00:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.465 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 10.229 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 10.615 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 10.482 ms
Loss rate: 0.21%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-07-18 11:34:05

End at: 2019-07-18 11:34:35

Local clock offset: -2.737 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2019-07-18 13:00:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 10.386 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 58.67 Mbit/s

95th percentile per-packet one-way delay: 10.834 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 10.020 ms

Loss rate: 0.13%

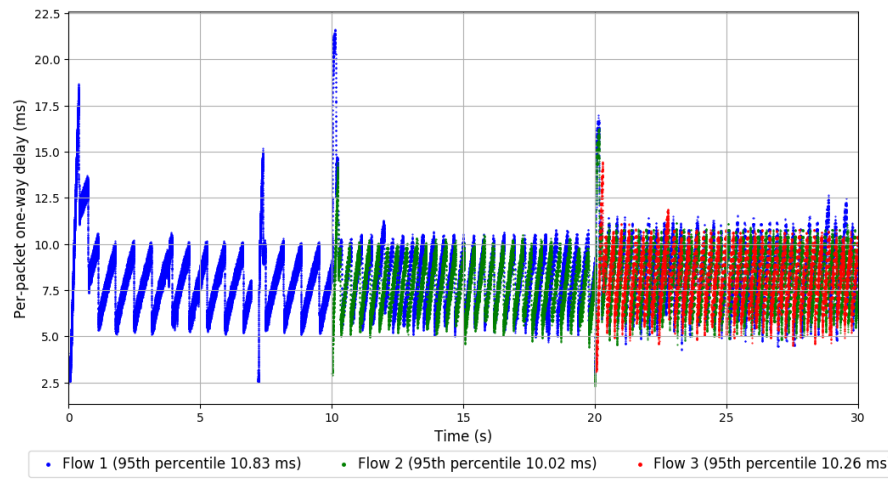
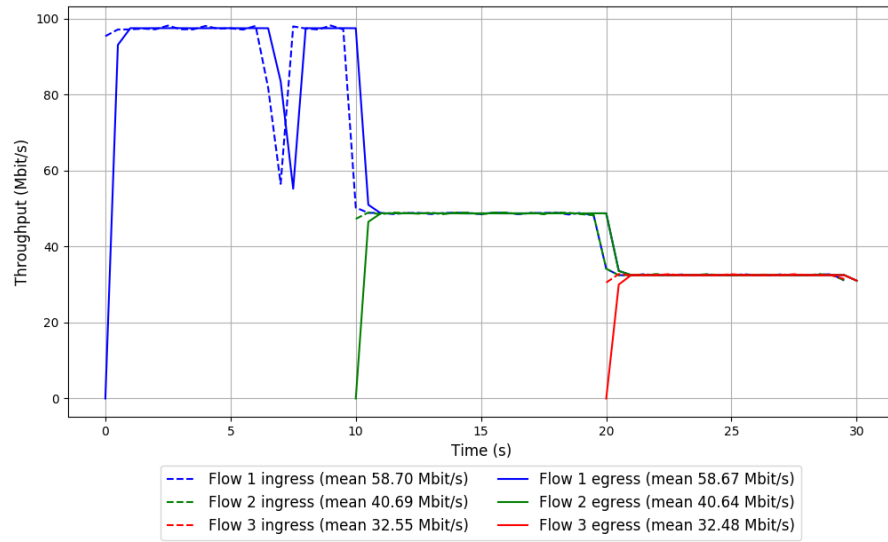
-- Flow 3:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 10.259 ms

Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-07-18 12:01:38

End at: 2019-07-18 12:02:08

Local clock offset: -3.299 ms

Remote clock offset: 0.517 ms

Below is generated by plot.py at 2019-07-18 13:00:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 10.640 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 59.62 Mbit/s

95th percentile per-packet one-way delay: 10.452 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 10.311 ms

Loss rate: 0.13%

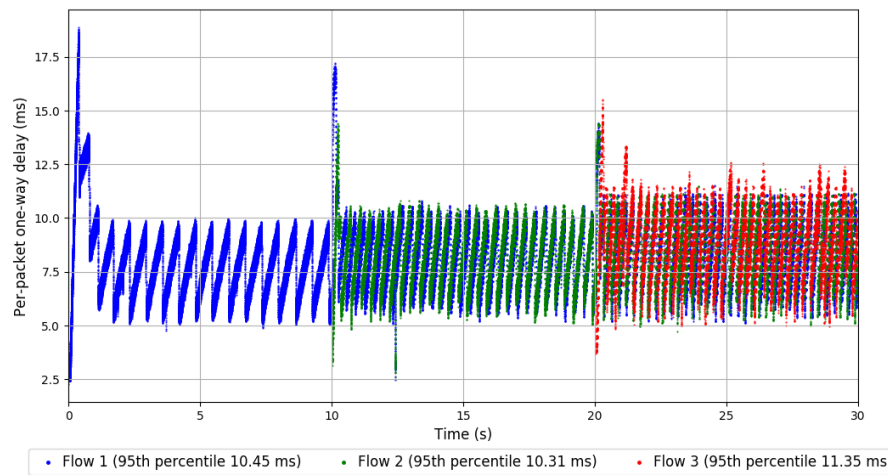
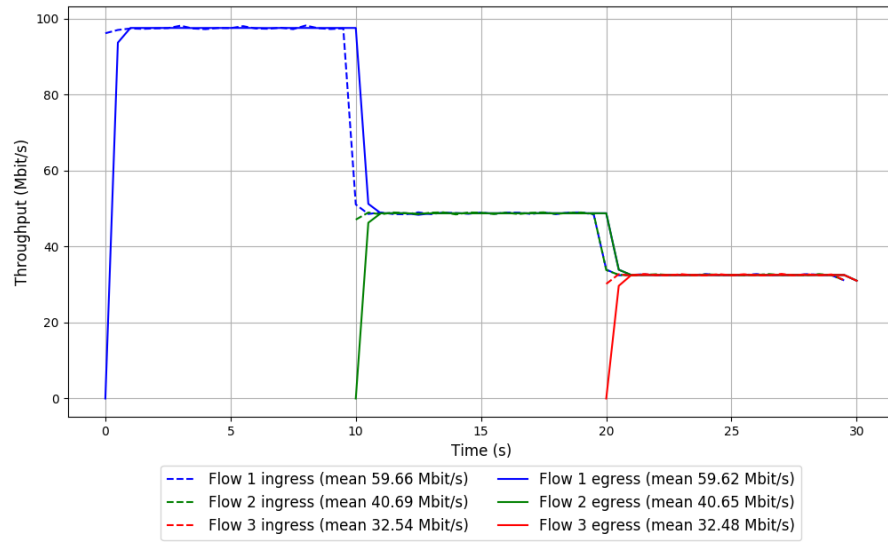
-- Flow 3:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 11.346 ms

Loss rate: 0.24%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-07-18 12:29:15

End at: 2019-07-18 12:29:45

Local clock offset: -4.04 ms

Remote clock offset: 0.663 ms

Below is generated by plot.py at 2019-07-18 13:00:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 10.575 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 59.75 Mbit/s

95th percentile per-packet one-way delay: 10.843 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.21 Mbit/s

95th percentile per-packet one-way delay: 10.207 ms

Loss rate: 0.13%

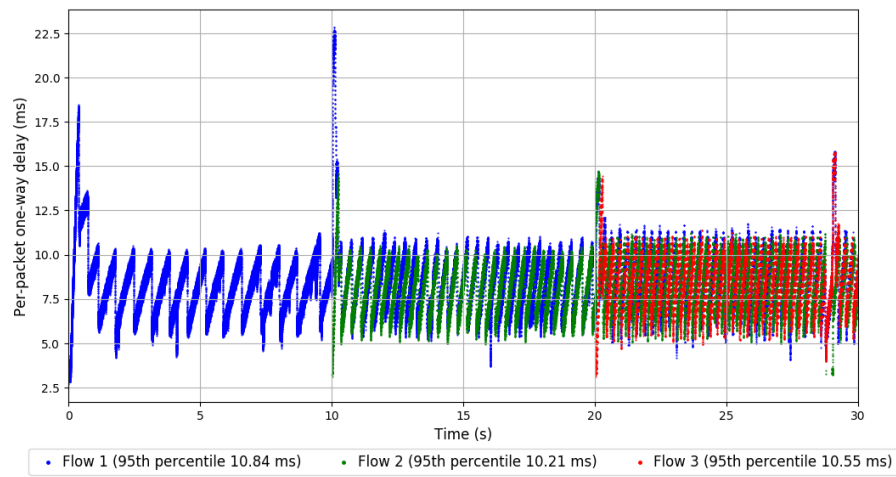
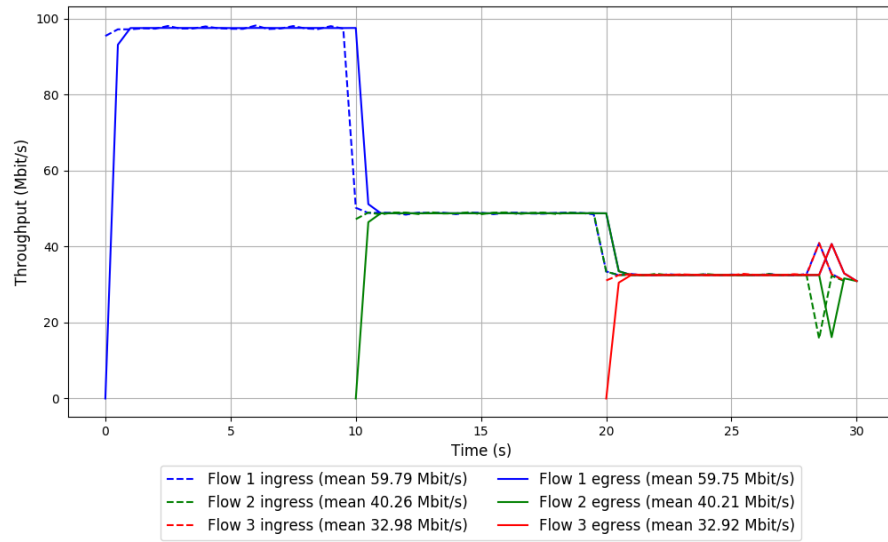
-- Flow 3:

Average throughput: 32.92 Mbit/s

95th percentile per-packet one-way delay: 10.550 ms

Loss rate: 0.24%

Run 5: Report of TCP Cubic — Data Link

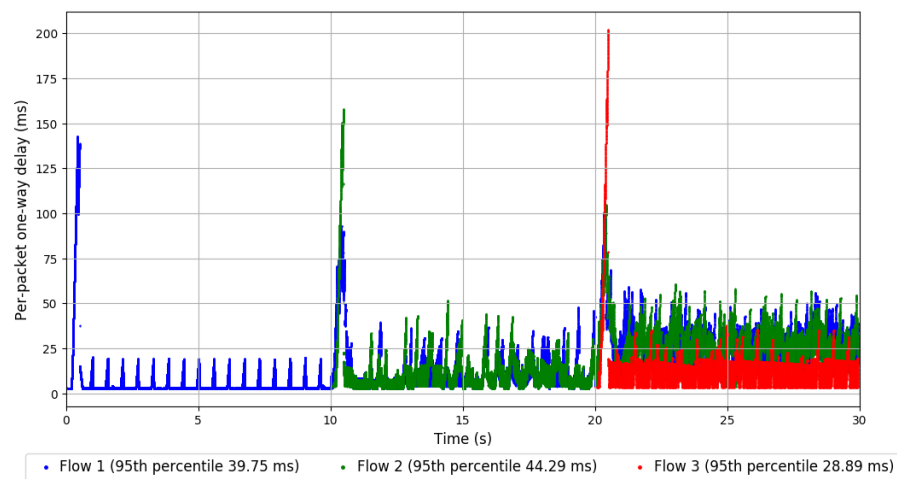
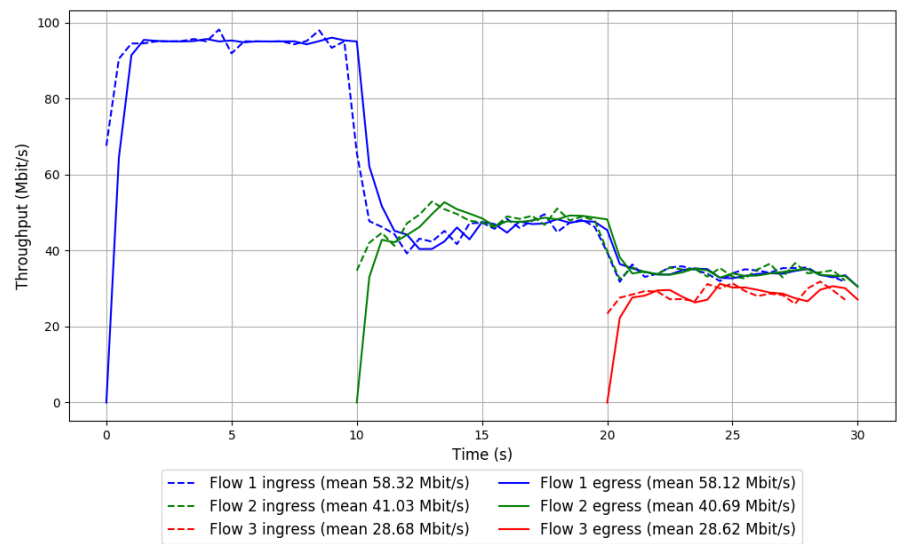


Run 1: Statistics of FillP

Start at: 2019-07-18 10:52:46
End at: 2019-07-18 10:53:16
Local clock offset: -3.842 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2019-07-18 13:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 41.224 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.12 Mbit/s
95th percentile per-packet one-way delay: 39.747 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 44.287 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 28.891 ms
Loss rate: 0.24%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-07-18 11:20:21

End at: 2019-07-18 11:20:51

Local clock offset: -2.997 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2019-07-18 13:01:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 43.138 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 57.63 Mbit/s

95th percentile per-packet one-way delay: 32.270 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 40.73 Mbit/s

95th percentile per-packet one-way delay: 40.637 ms

Loss rate: 0.57%

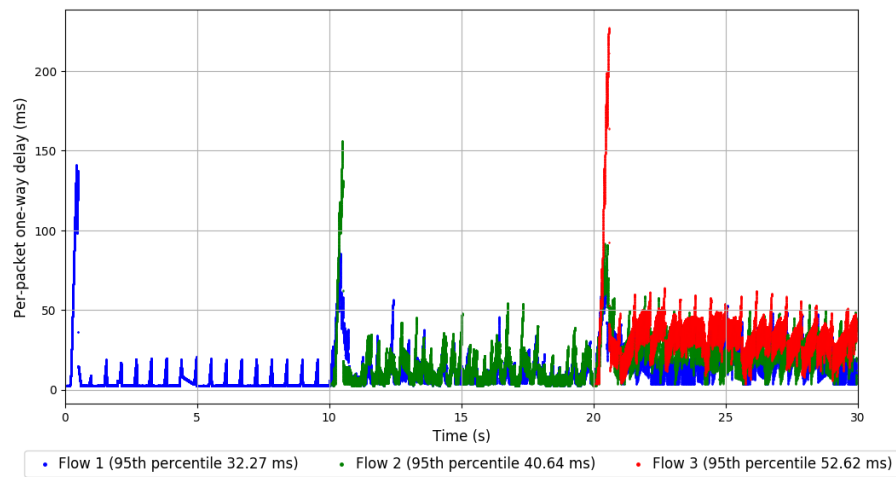
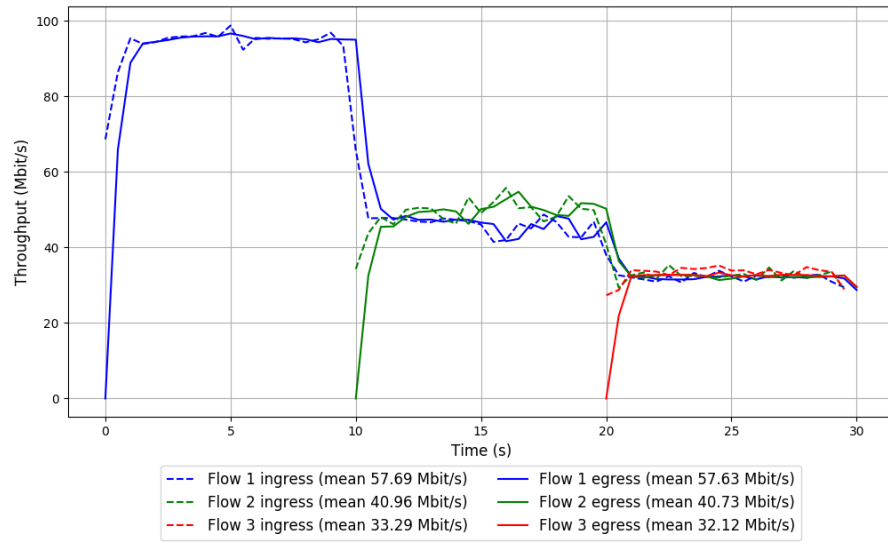
-- Flow 3:

Average throughput: 32.12 Mbit/s

95th percentile per-packet one-way delay: 52.622 ms

Loss rate: 3.36%

Run 2: Report of FillP — Data Link

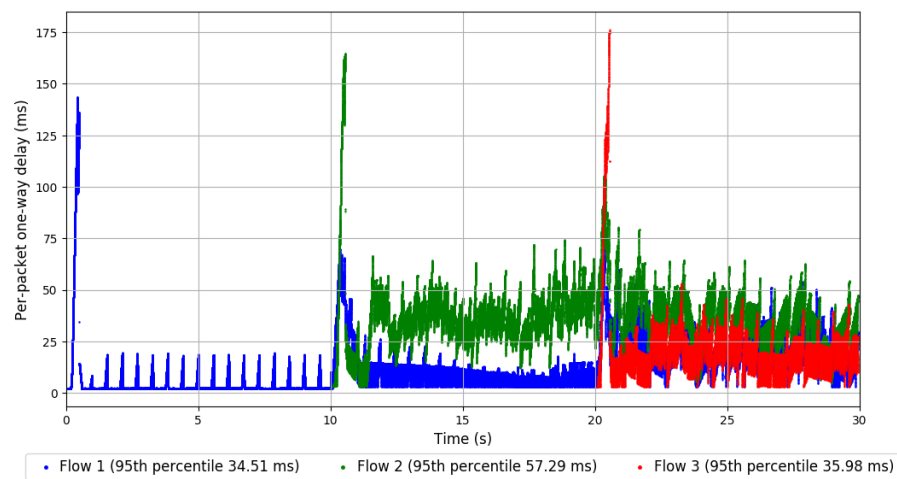
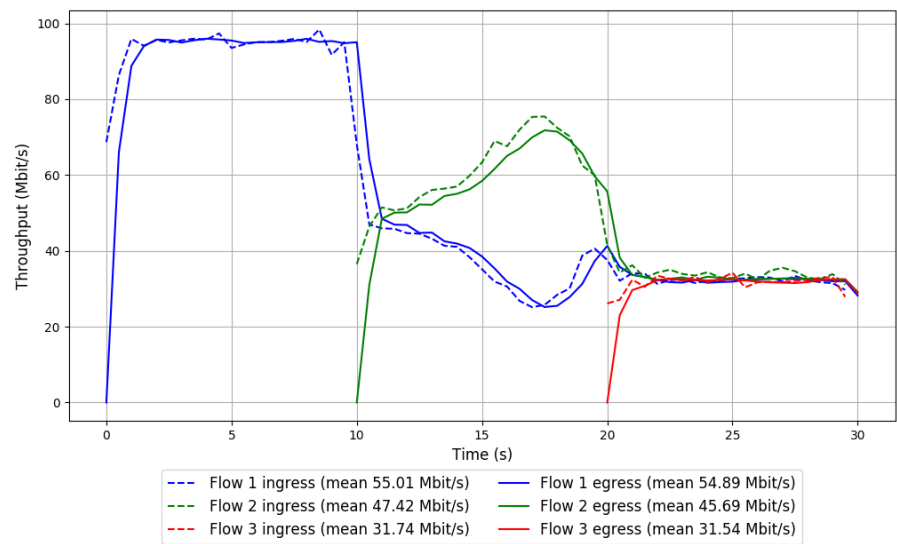


Run 3: Statistics of FillP

Start at: 2019-07-18 11:47:53
End at: 2019-07-18 11:48:23
Local clock offset: -2.494 ms
Remote clock offset: 0.388 ms

Below is generated by plot.py at 2019-07-18 13:01:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 50.683 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 54.89 Mbit/s
95th percentile per-packet one-way delay: 34.510 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 45.69 Mbit/s
95th percentile per-packet one-way delay: 57.293 ms
Loss rate: 3.68%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 35.981 ms
Loss rate: 0.52%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-07-18 12:15:25

End at: 2019-07-18 12:15:55

Local clock offset: -4.29 ms

Remote clock offset: 0.584 ms

Below is generated by plot.py at 2019-07-18 13:01:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 55.154 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 37.914 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 43.79 Mbit/s

95th percentile per-packet one-way delay: 62.208 ms

Loss rate: 4.63%

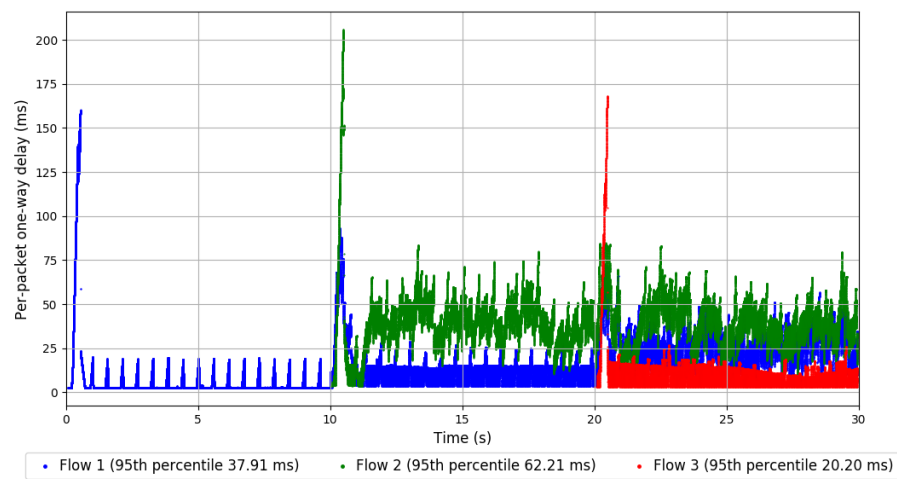
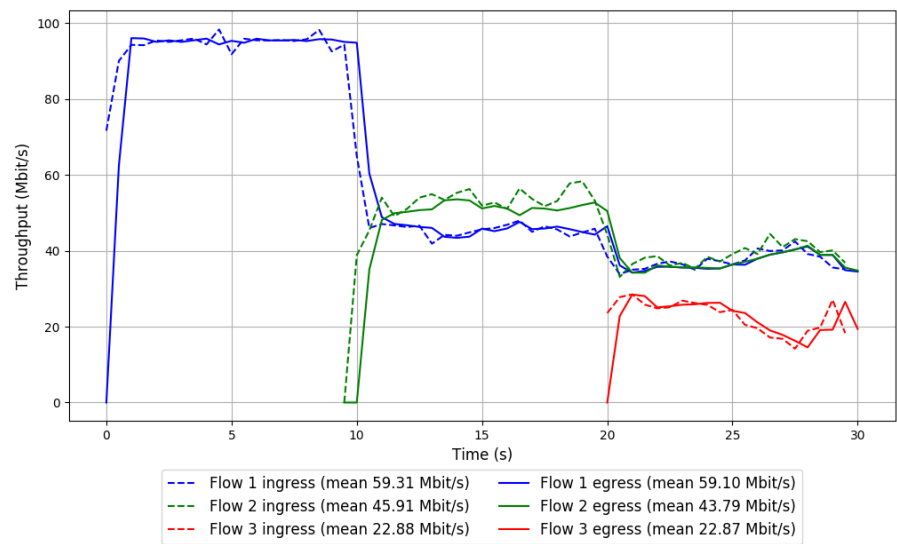
-- Flow 3:

Average throughput: 22.87 Mbit/s

95th percentile per-packet one-way delay: 20.196 ms

Loss rate: 0.01%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

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

End at: 2019-07-18 12:43:33

Local clock offset: -3.785 ms

Remote clock offset: 0.635 ms

Below is generated by plot.py at 2019-07-18 13:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 49.629 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 58.63 Mbit/s

95th percentile per-packet one-way delay: 39.053 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 55.175 ms

Loss rate: 4.08%

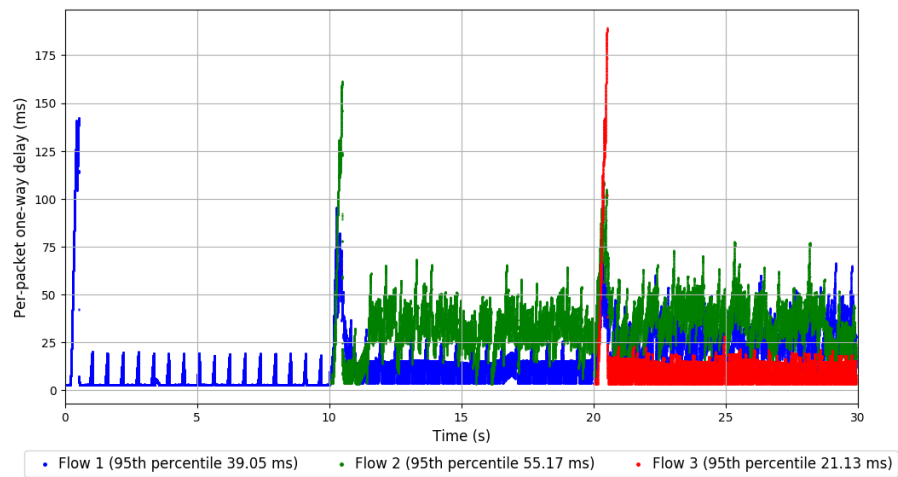
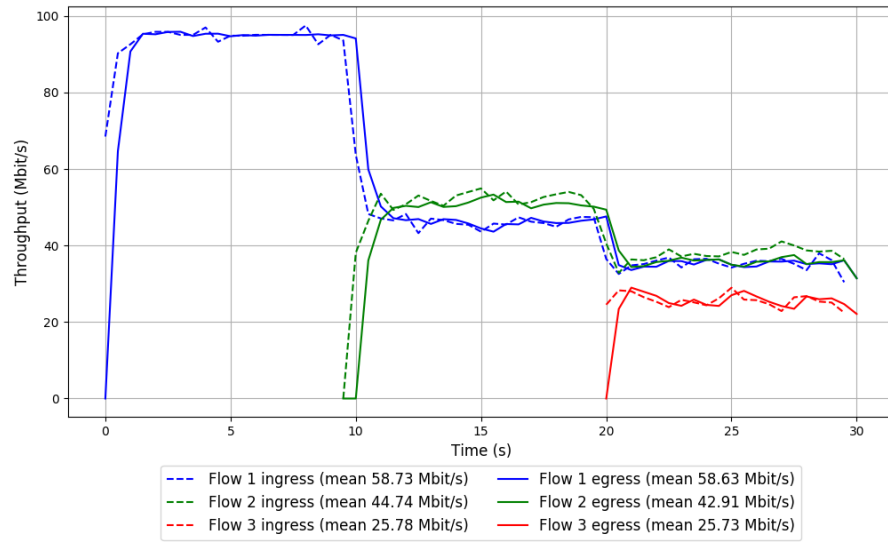
-- Flow 3:

Average throughput: 25.73 Mbit/s

95th percentile per-packet one-way delay: 21.133 ms

Loss rate: 0.17%

Run 5: Report of FillP — Data Link

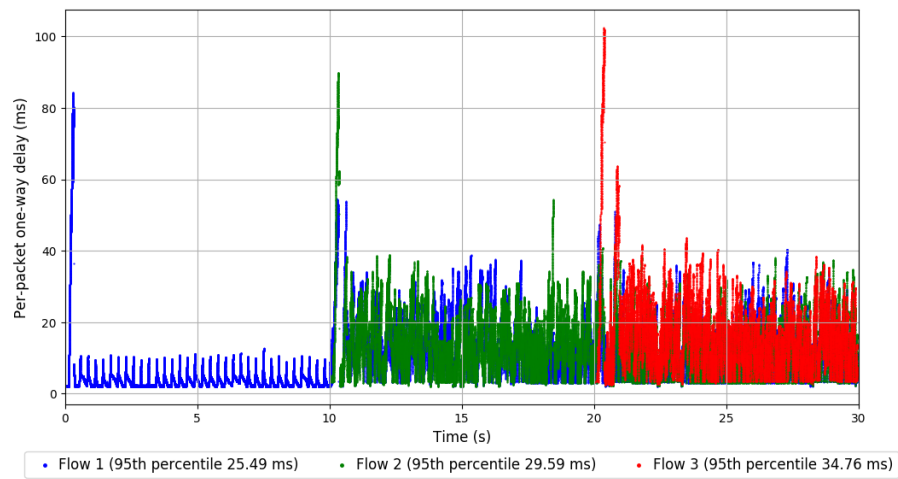
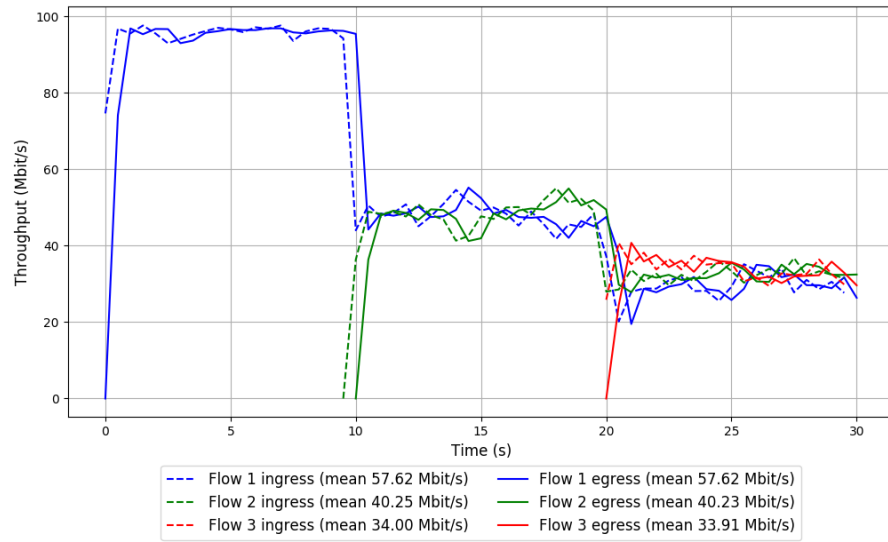


Run 1: Statistics of FillP-Sheep

Start at: 2019-07-18 10:41:16
End at: 2019-07-18 10:41:46
Local clock offset: -4.084 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2019-07-18 13:01:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 28.705 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 57.62 Mbit/s
95th percentile per-packet one-way delay: 25.494 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 29.591 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 33.91 Mbit/s
95th percentile per-packet one-way delay: 34.762 ms
Loss rate: 0.29%

Run 1: Report of FillP-Sheep — Data Link

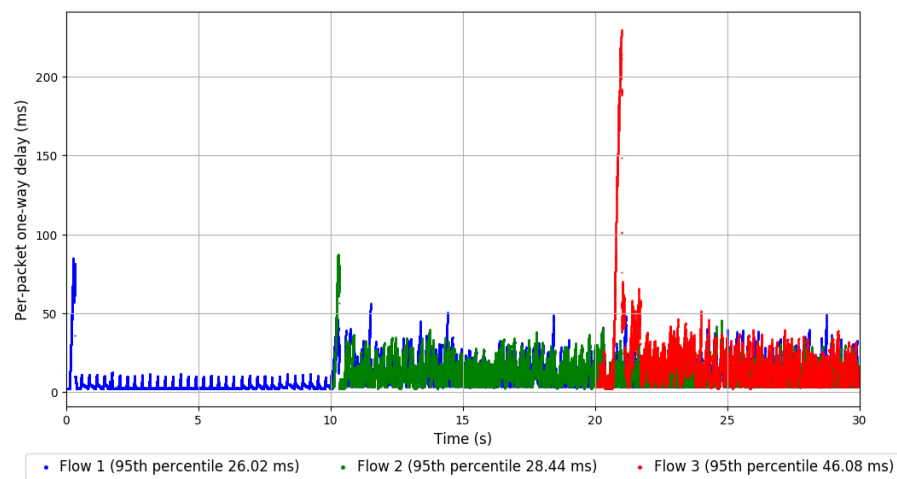
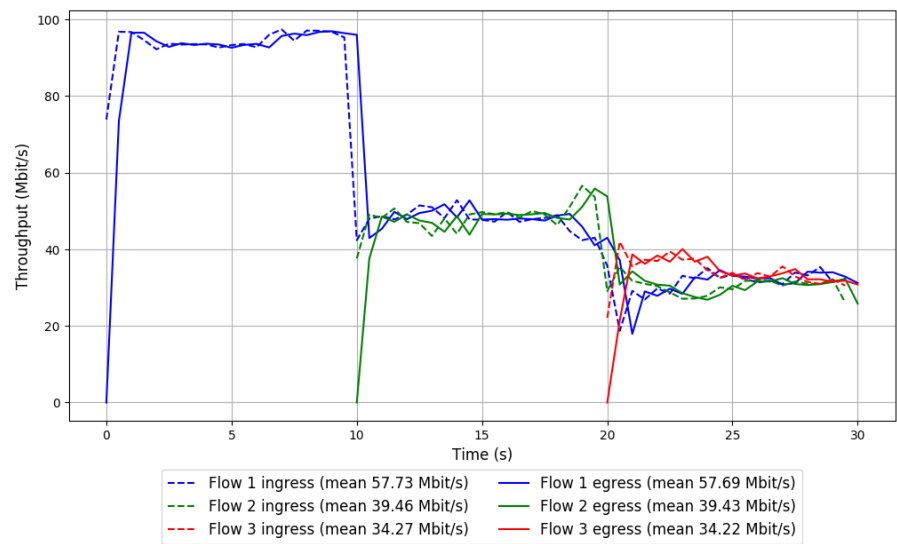


Run 2: Statistics of FillP-Sheep

Start at: 2019-07-18 11:08:49
End at: 2019-07-18 11:09:19
Local clock offset: -3.14 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-07-18 13:01:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 29.452 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 26.024 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.43 Mbit/s
95th percentile per-packet one-way delay: 28.440 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 34.22 Mbit/s
95th percentile per-packet one-way delay: 46.077 ms
Loss rate: 0.22%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-07-18 11:36:22

End at: 2019-07-18 11:36:52

Local clock offset: -2.481 ms

Remote clock offset: 0.315 ms

Below is generated by plot.py at 2019-07-18 13:02:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 28.888 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 57.50 Mbit/s

95th percentile per-packet one-way delay: 24.828 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 42.30 Mbit/s

95th percentile per-packet one-way delay: 32.111 ms

Loss rate: 0.10%

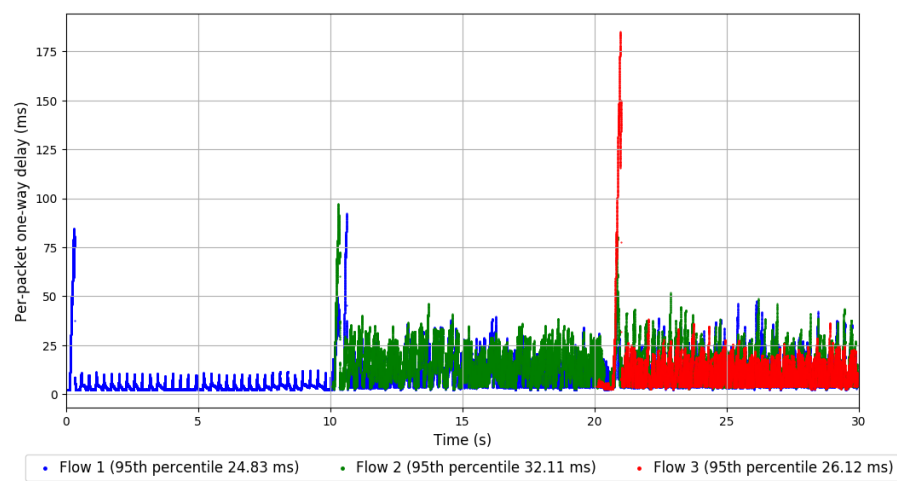
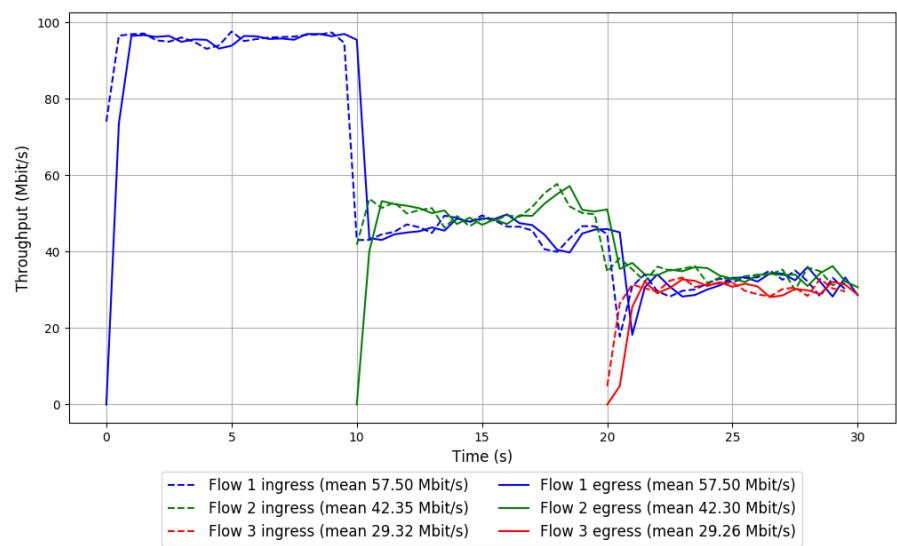
-- Flow 3:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 26.121 ms

Loss rate: 0.24%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-07-18 12:03:55

End at: 2019-07-18 12:04:25

Local clock offset: -3.488 ms

Remote clock offset: 0.541 ms

Below is generated by plot.py at 2019-07-18 13:02:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 27.482 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 27.011 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.28 Mbit/s

95th percentile per-packet one-way delay: 27.599 ms

Loss rate: 0.12%

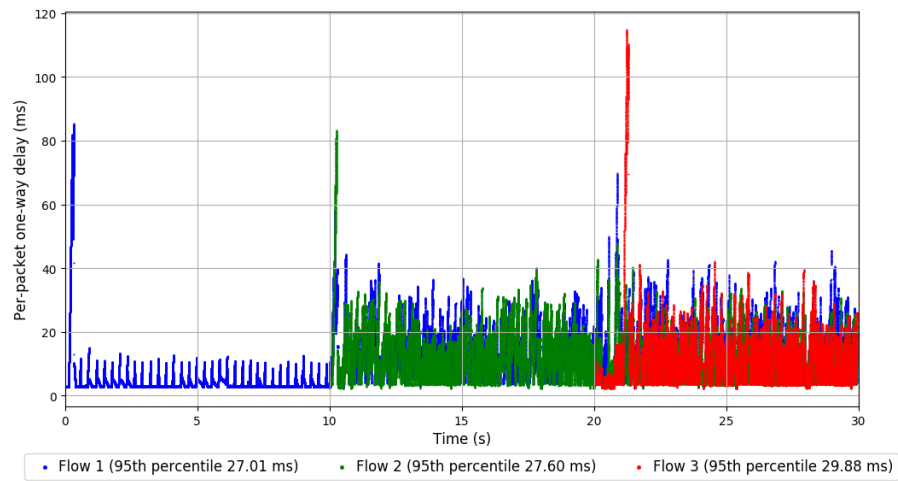
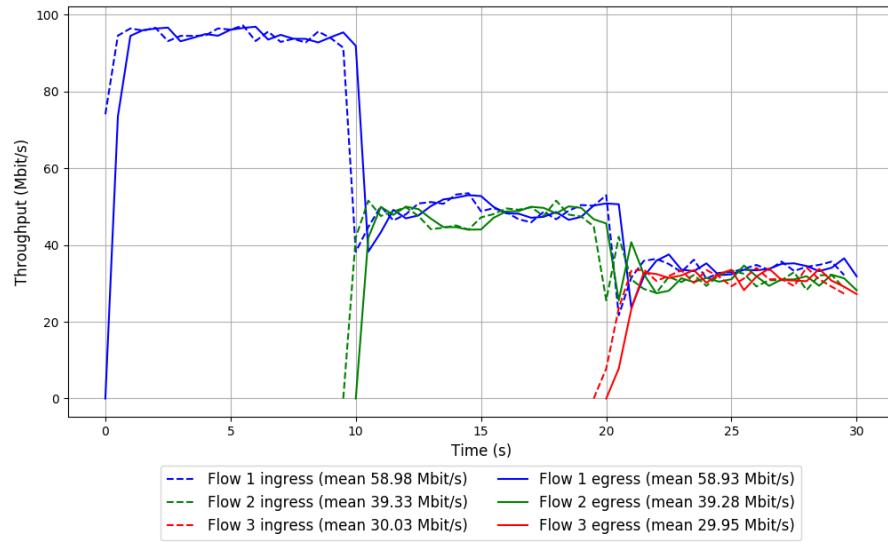
-- Flow 3:

Average throughput: 29.95 Mbit/s

95th percentile per-packet one-way delay: 29.884 ms

Loss rate: 0.17%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-07-18 12:31:32

End at: 2019-07-18 12:32:02

Local clock offset: -3.949 ms

Remote clock offset: 0.617 ms

Below is generated by plot.py at 2019-07-18 13:02:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 27.112 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 23.677 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 38.07 Mbit/s

95th percentile per-packet one-way delay: 27.197 ms

Loss rate: 0.02%

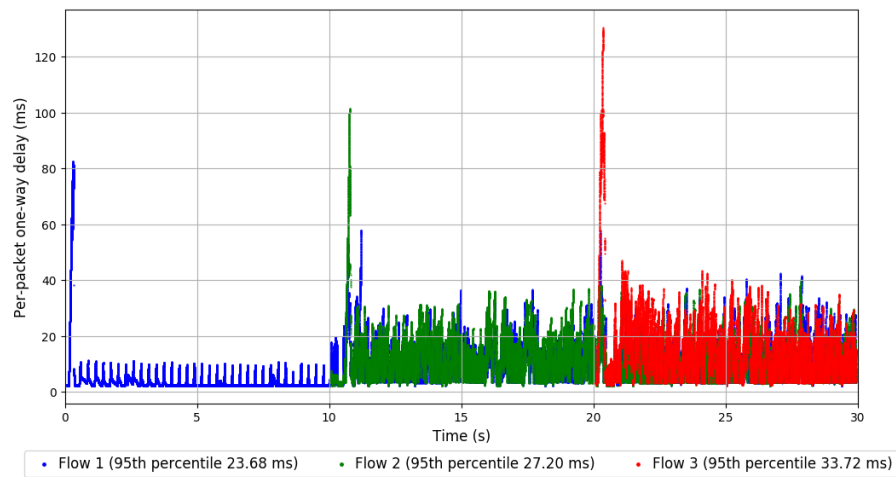
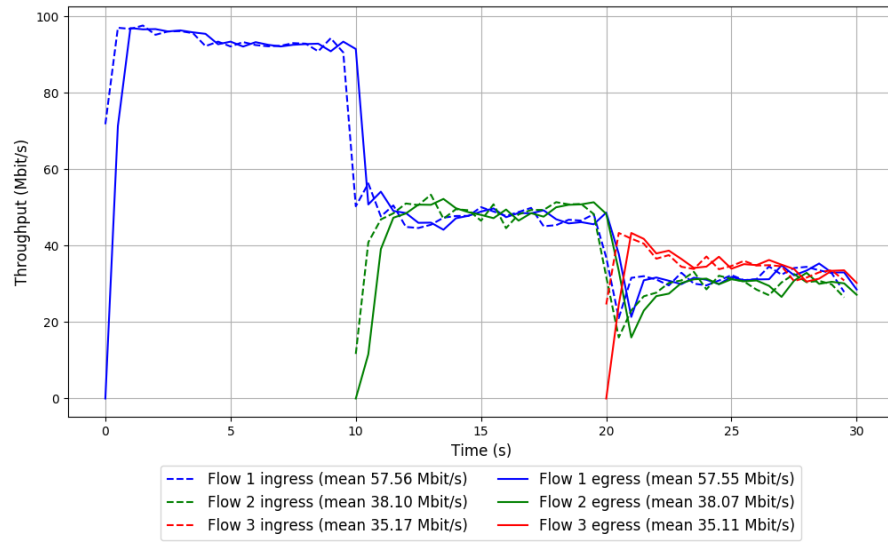
-- Flow 3:

Average throughput: 35.11 Mbit/s

95th percentile per-packet one-way delay: 33.721 ms

Loss rate: 0.24%

Run 5: Report of FillP-Sheep — Data Link

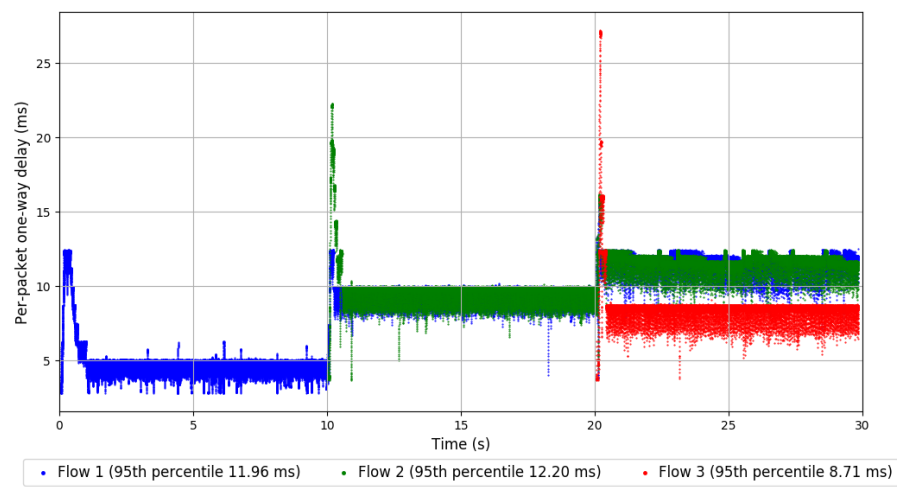
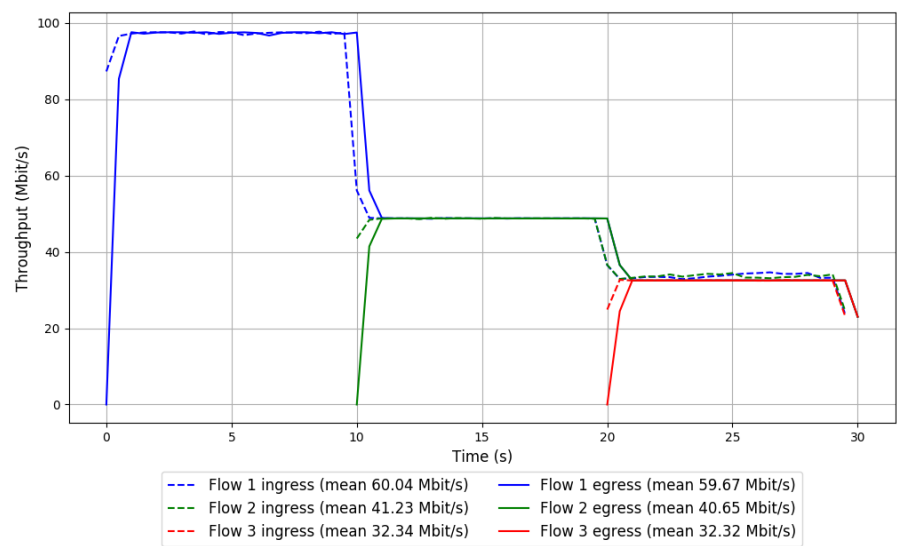


Run 1: Statistics of Indigo

Start at: 2019-07-18 10:37:48
End at: 2019-07-18 10:38:18
Local clock offset: -3.833 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2019-07-18 13:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 11.994 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 59.67 Mbit/s
95th percentile per-packet one-way delay: 11.956 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 12.201 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 8.707 ms
Loss rate: 0.11%

Run 1: Report of Indigo — Data Link

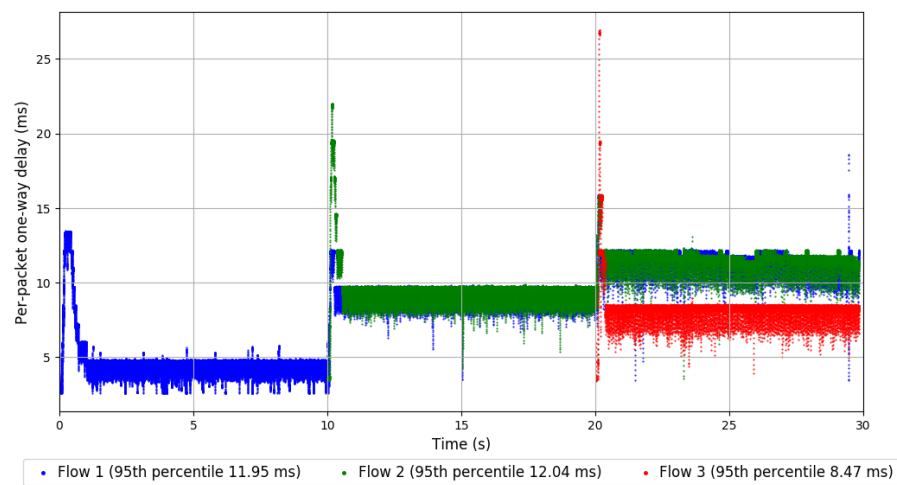
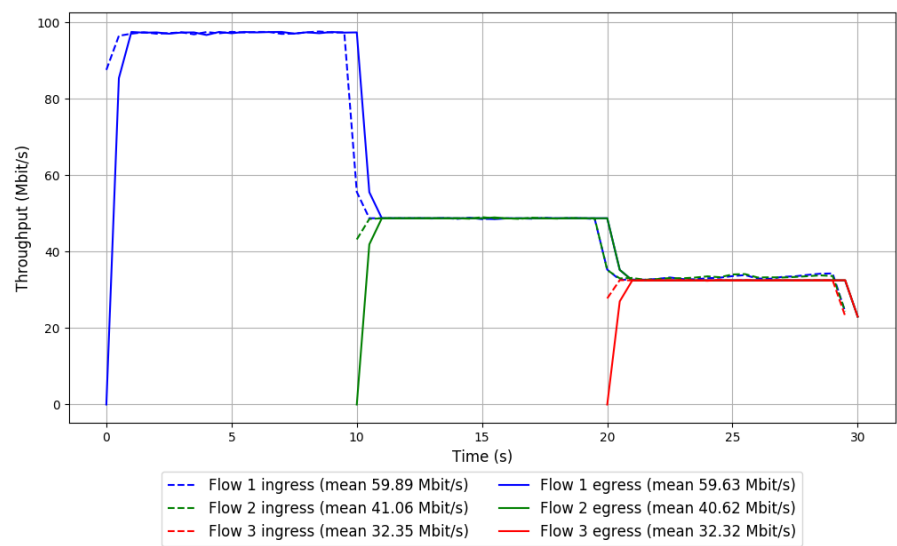


Run 2: Statistics of Indigo

Start at: 2019-07-18 11:05:22
End at: 2019-07-18 11:05:52
Local clock offset: -3.408 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-07-18 13:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 11.965 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 11.949 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 12.041 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 8.467 ms
Loss rate: 0.15%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-07-18 11:32:55

End at: 2019-07-18 11:33:25

Local clock offset: -2.581 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2019-07-18 13:03:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 11.827 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 59.67 Mbit/s

95th percentile per-packet one-way delay: 9.754 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 12.163 ms

Loss rate: 1.75%

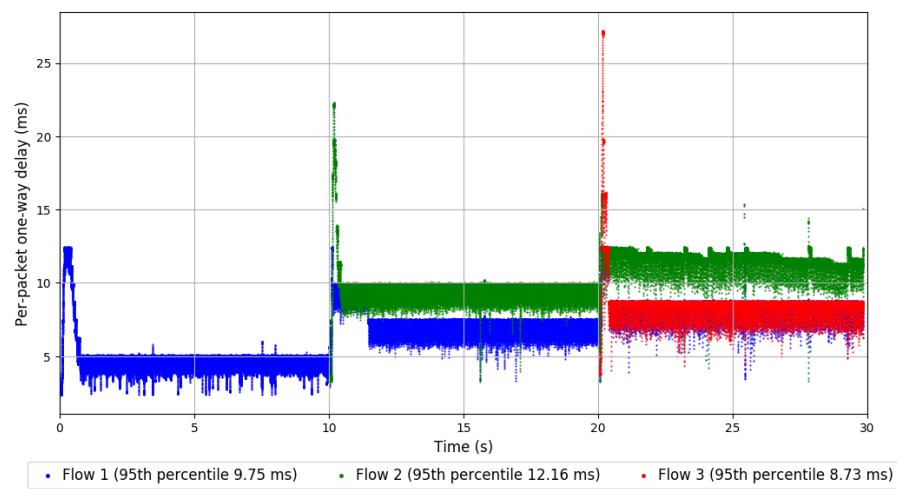
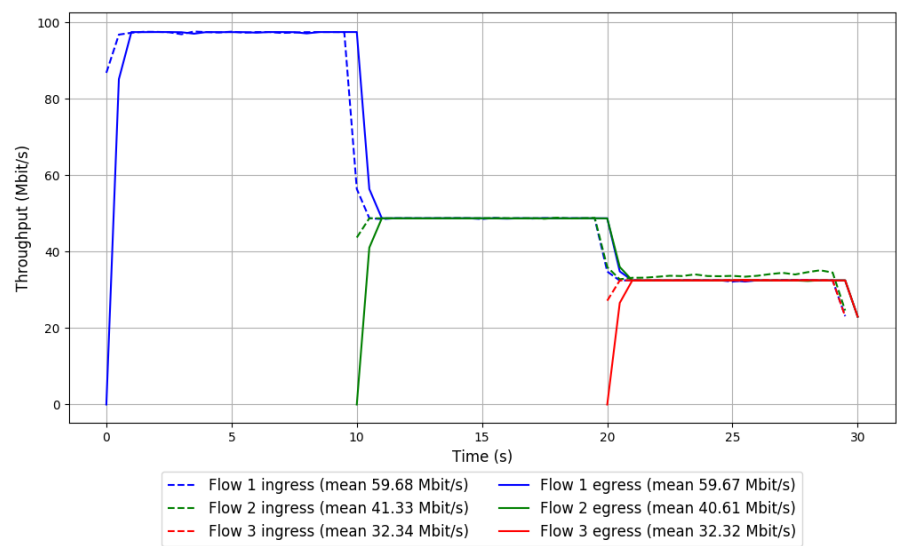
-- Flow 3:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 8.731 ms

Loss rate: 0.11%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-07-18 12:00:27

End at: 2019-07-18 12:00:57

Local clock offset: -3.306 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2019-07-18 13:03:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.29 Mbit/s

95th percentile per-packet one-way delay: 12.233 ms

Loss rate: 1.18%

-- Flow 1:

Average throughput: 59.68 Mbit/s

95th percentile per-packet one-way delay: 11.932 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 12.303 ms

Loss rate: 1.17%

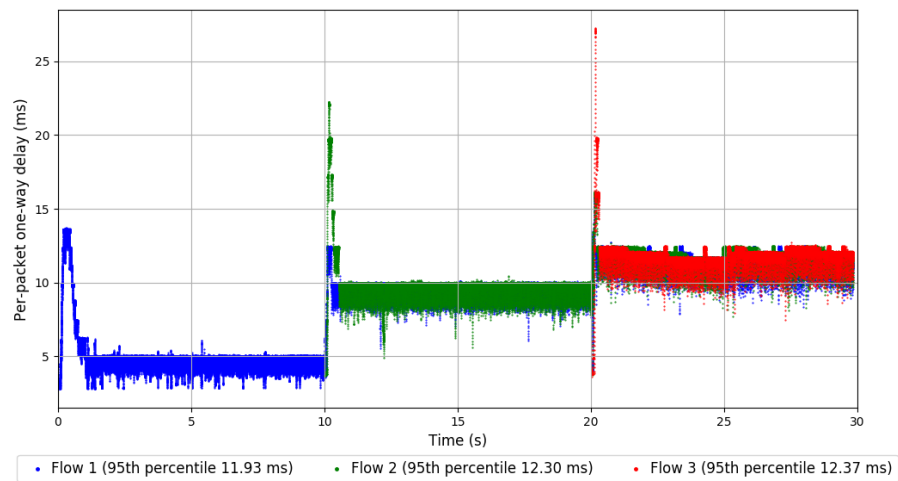
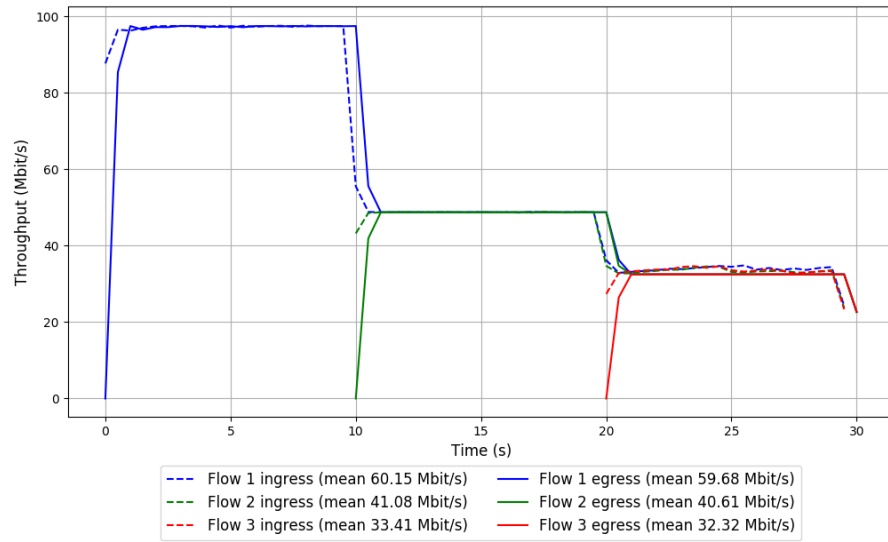
-- Flow 3:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 12.366 ms

Loss rate: 3.30%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-07-18 12:28:04

End at: 2019-07-18 12:28:34

Local clock offset: -4.364 ms

Remote clock offset: 0.546 ms

Below is generated by plot.py at 2019-07-18 13:03:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: 11.974 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 59.32 Mbit/s

95th percentile per-packet one-way delay: 11.916 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 40.63 Mbit/s

95th percentile per-packet one-way delay: 12.068 ms

Loss rate: 1.03%

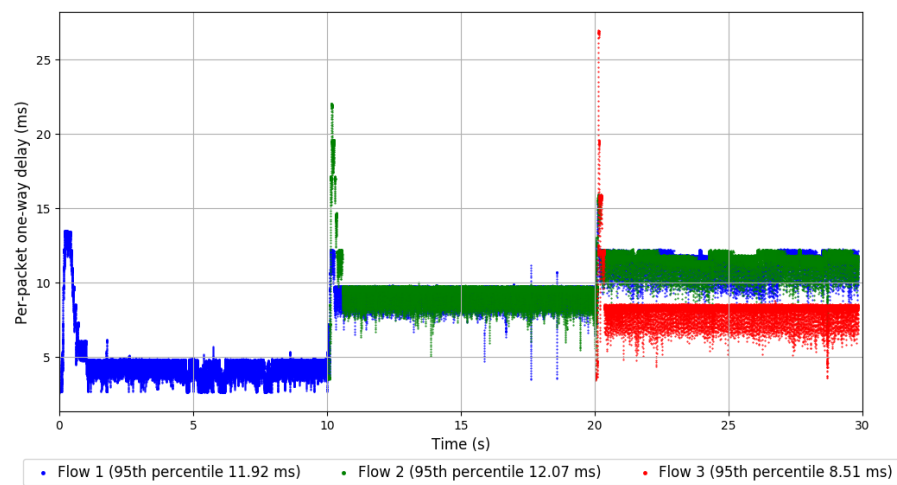
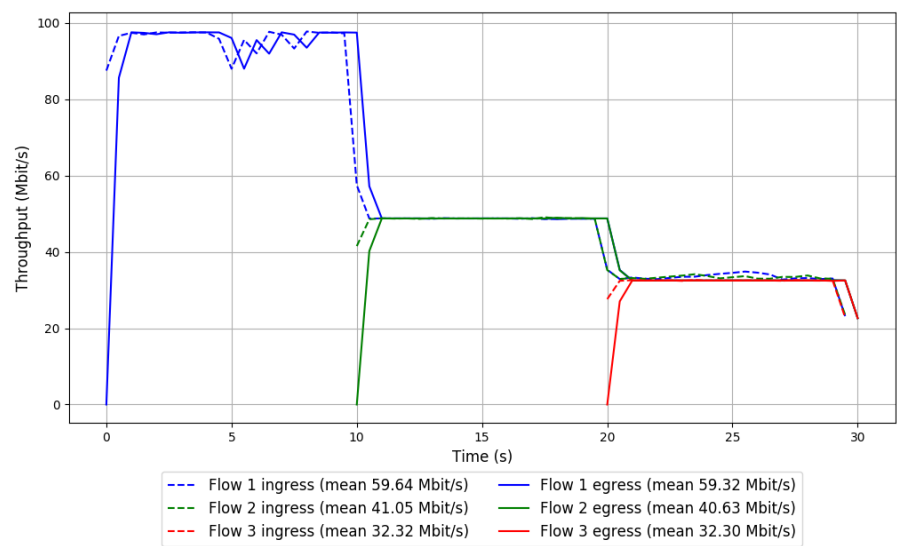
-- Flow 3:

Average throughput: 32.30 Mbit/s

95th percentile per-packet one-way delay: 8.514 ms

Loss rate: 0.11%

Run 5: Report of Indigo — Data Link

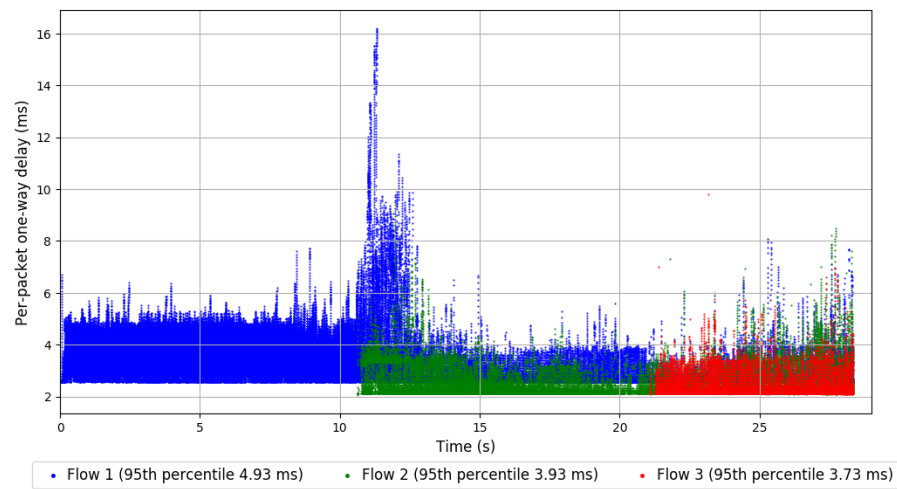
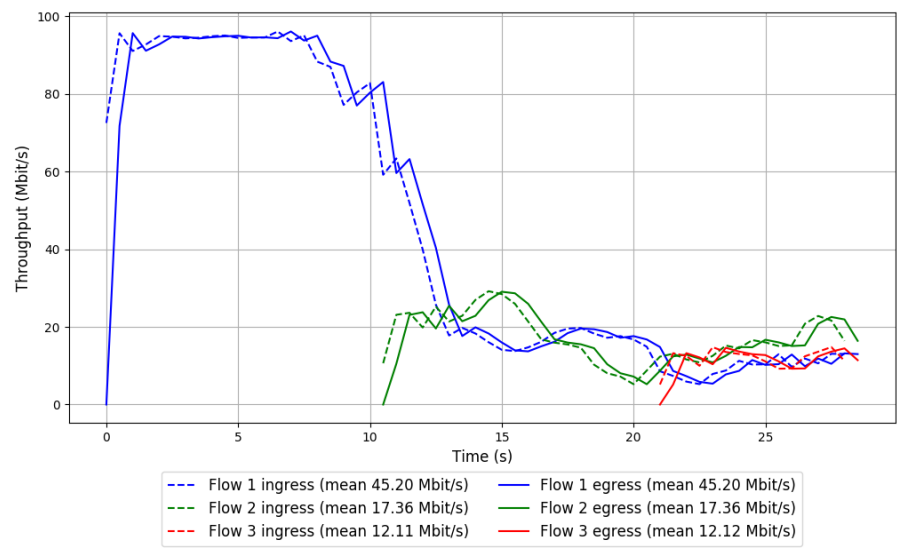


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-18 10:59:45
End at: 2019-07-18 11:00:15
Local clock offset: -3.67 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-07-18 13:03:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 4.826 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 4.934 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 3.927 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 3.727 ms
Loss rate: 0.08%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-18 11:27:17

End at: 2019-07-18 11:27:47

Local clock offset: -2.72 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2019-07-18 13:03:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.36 Mbit/s

95th percentile per-packet one-way delay: 4.548 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 39.03 Mbit/s

95th percentile per-packet one-way delay: 4.199 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 20.96 Mbit/s

95th percentile per-packet one-way delay: 4.934 ms

Loss rate: 0.00%

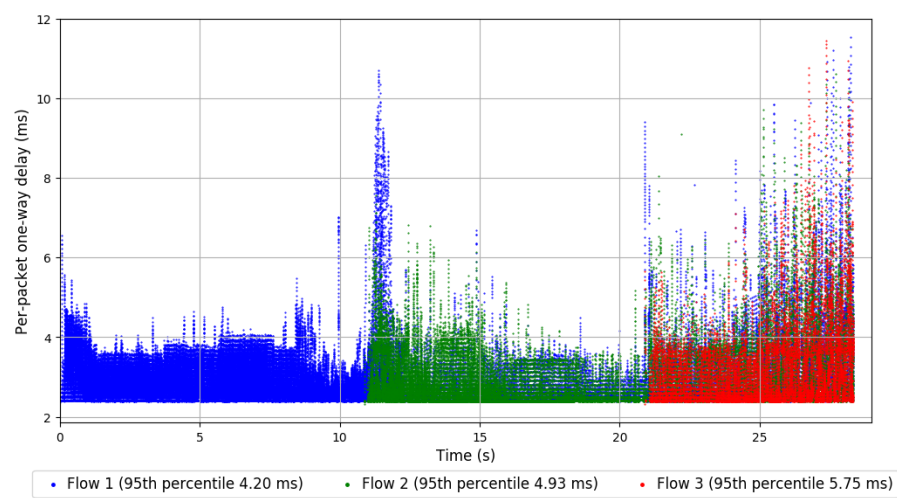
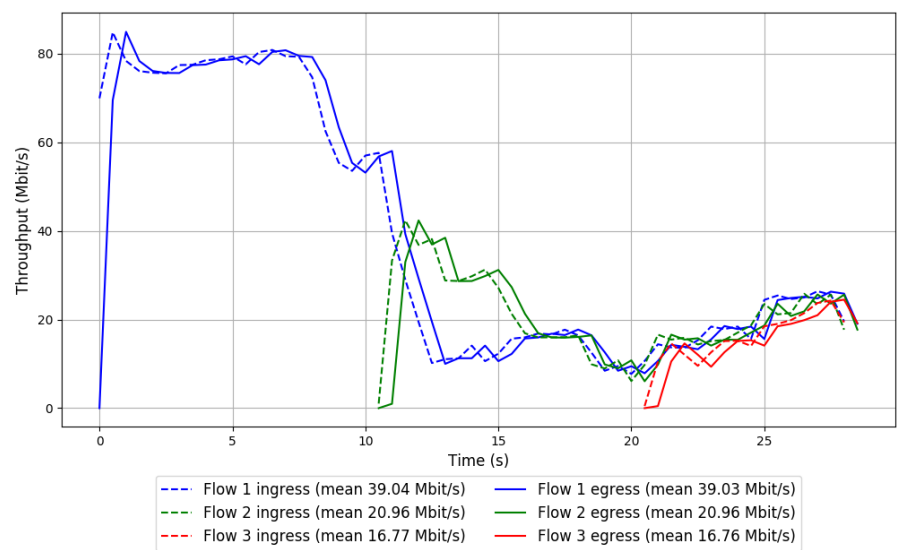
-- Flow 3:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: 5.745 ms

Loss rate: 0.07%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-18 11:54:49

End at: 2019-07-18 11:55:19

Local clock offset: -2.393 ms

Remote clock offset: 0.532 ms

Below is generated by plot.py at 2019-07-18 13:03:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.18 Mbit/s

95th percentile per-packet one-way delay: 12.547 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 56.64 Mbit/s

95th percentile per-packet one-way delay: 13.117 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 14.81 Mbit/s

95th percentile per-packet one-way delay: 4.191 ms

Loss rate: 0.08%

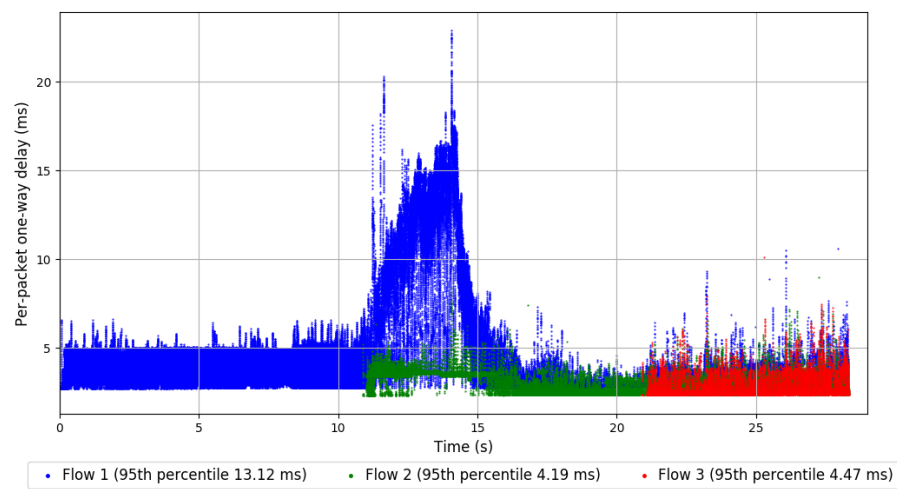
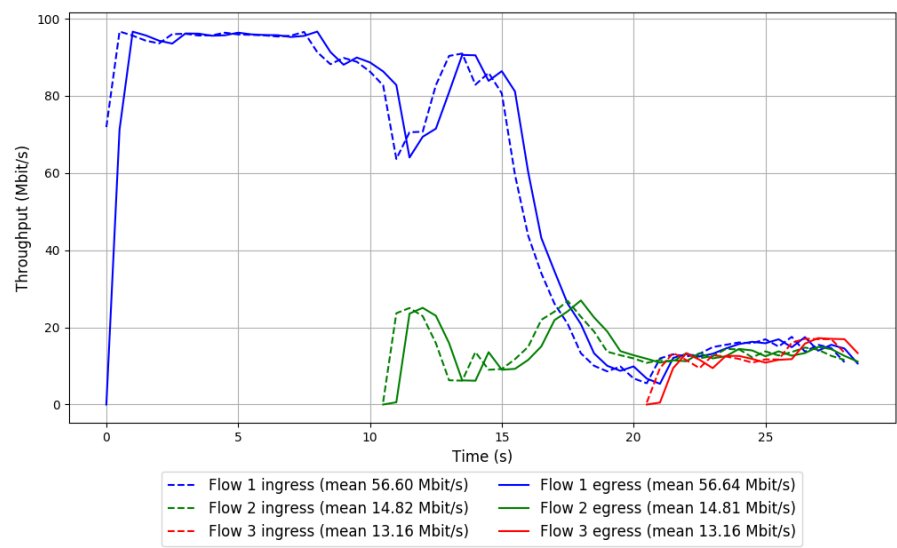
-- Flow 3:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 4.470 ms

Loss rate: 0.05%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-18 12:22:24

End at: 2019-07-18 12:22:54

Local clock offset: -4.454 ms

Remote clock offset: 0.571 ms

Below is generated by plot.py at 2019-07-18 13:03:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 4.988 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 43.55 Mbit/s

95th percentile per-packet one-way delay: 4.913 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 17.57 Mbit/s

95th percentile per-packet one-way delay: 4.588 ms

Loss rate: 0.00%

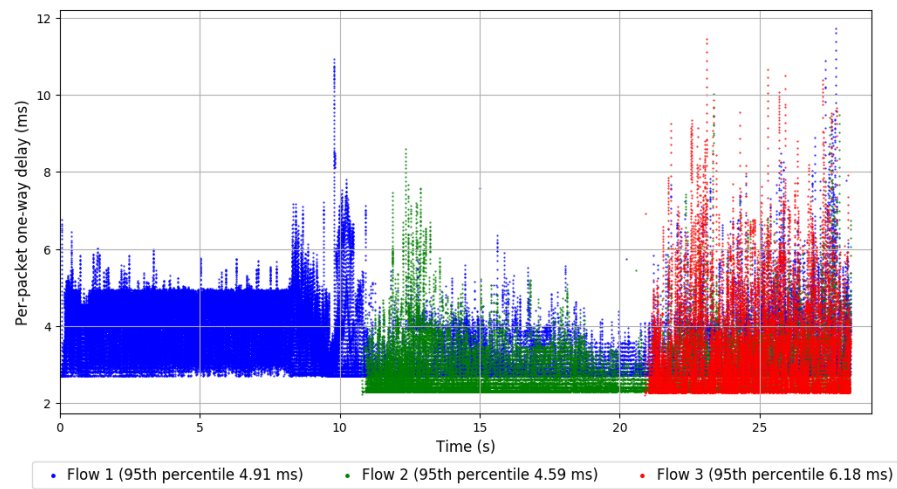
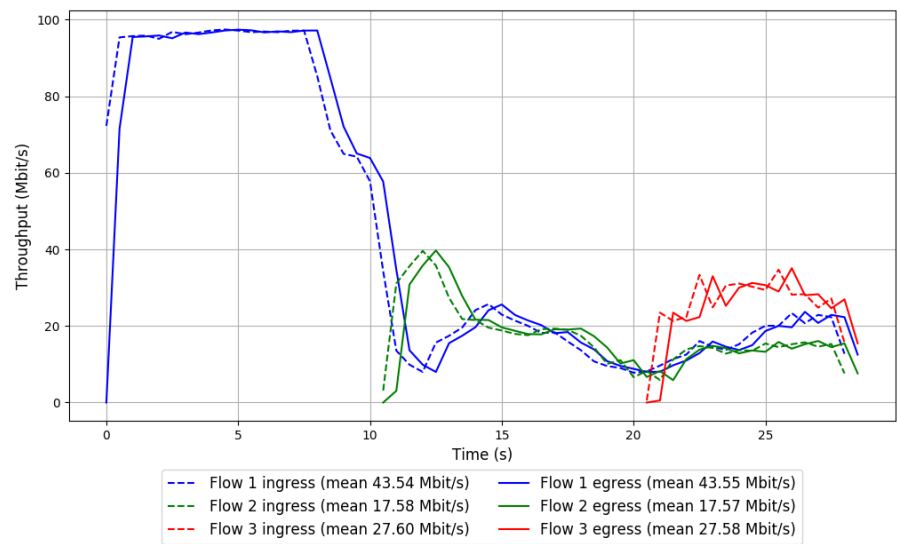
-- Flow 3:

Average throughput: 27.58 Mbit/s

95th percentile per-packet one-way delay: 6.177 ms

Loss rate: 0.17%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-18 12:50:02

End at: 2019-07-18 12:50:32

Local clock offset: -3.829 ms

Remote clock offset: 0.604 ms

Below is generated by plot.py at 2019-07-18 13:03:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.86 Mbit/s

95th percentile per-packet one-way delay: 5.544 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 43.55 Mbit/s

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

Loss rate: 0.02%

-- Flow 2:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 5.349 ms

Loss rate: 0.11%

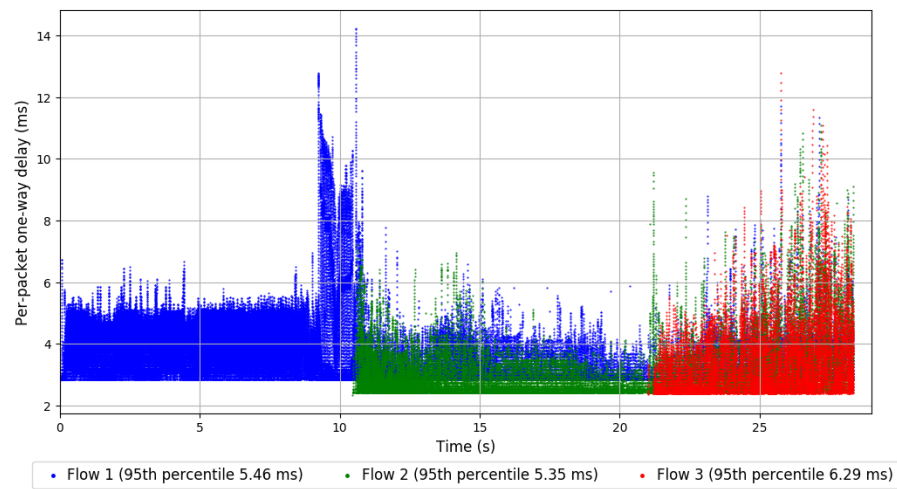
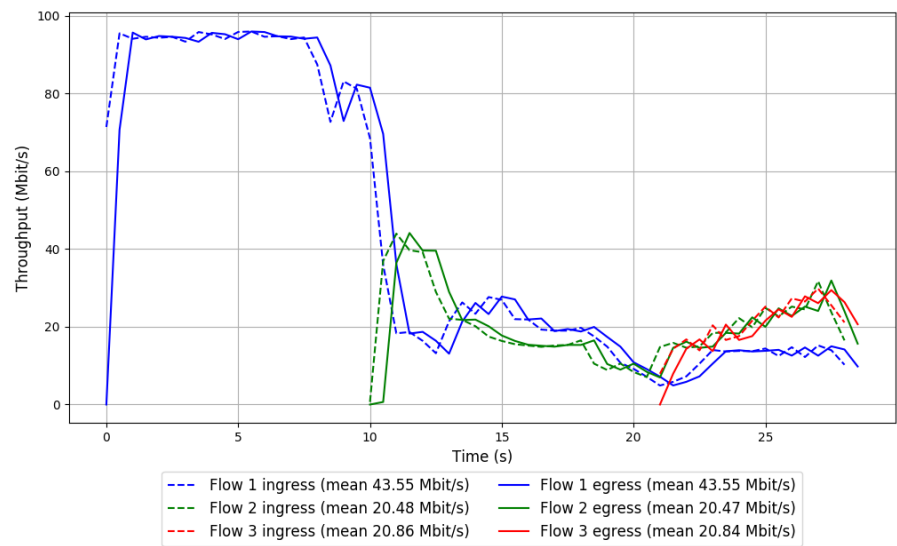
-- Flow 3:

Average throughput: 20.84 Mbit/s

95th percentile per-packet one-way delay: 6.285 ms

Loss rate: 0.15%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-18 11:04:14

End at: 2019-07-18 11:04:44

Local clock offset: -3.244 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2019-07-18 13:03:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.33 Mbit/s

95th percentile per-packet one-way delay: 13.892 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 26.87 Mbit/s

95th percentile per-packet one-way delay: 10.986 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 11.784 ms

Loss rate: 0.07%

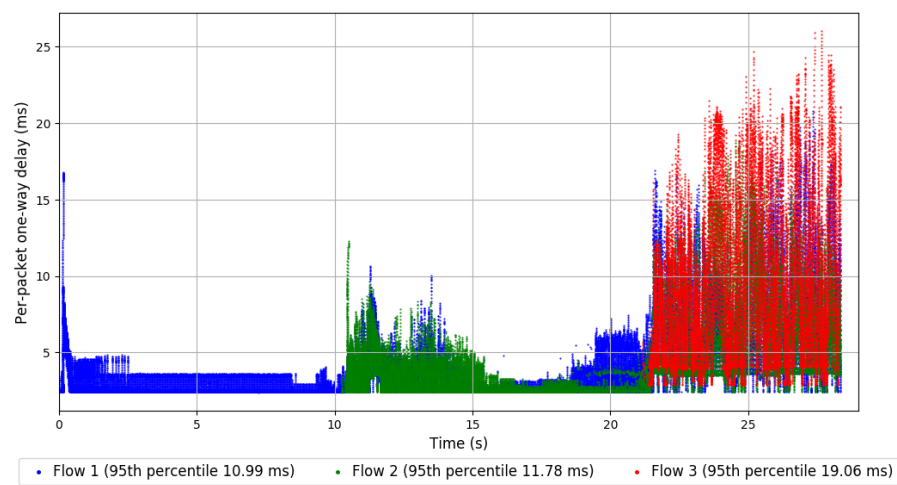
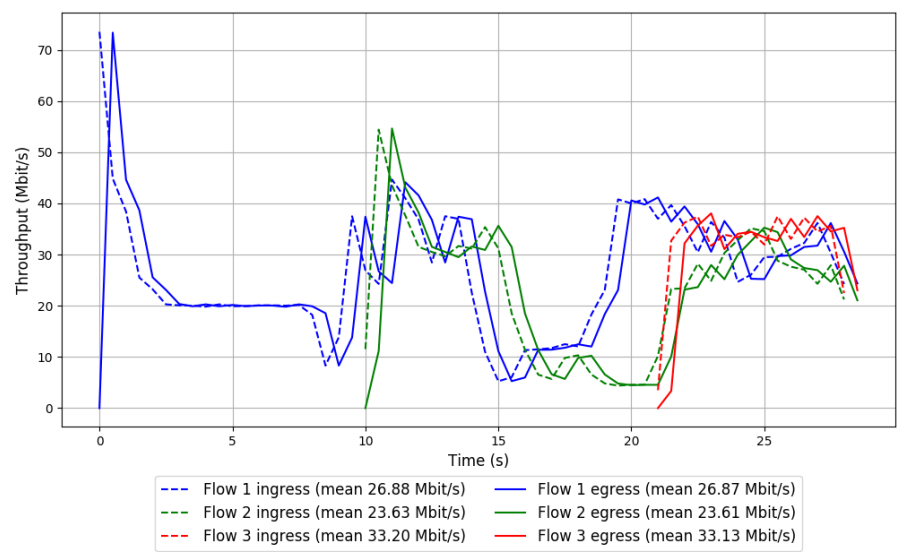
-- Flow 3:

Average throughput: 33.13 Mbit/s

95th percentile per-packet one-way delay: 19.056 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-18 11:31:47

End at: 2019-07-18 11:32:17

Local clock offset: -2.543 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2019-07-18 13:03:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.84 Mbit/s

95th percentile per-packet one-way delay: 16.253 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 28.14 Mbit/s

95th percentile per-packet one-way delay: 13.786 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 26.13 Mbit/s

95th percentile per-packet one-way delay: 16.195 ms

Loss rate: 0.05%

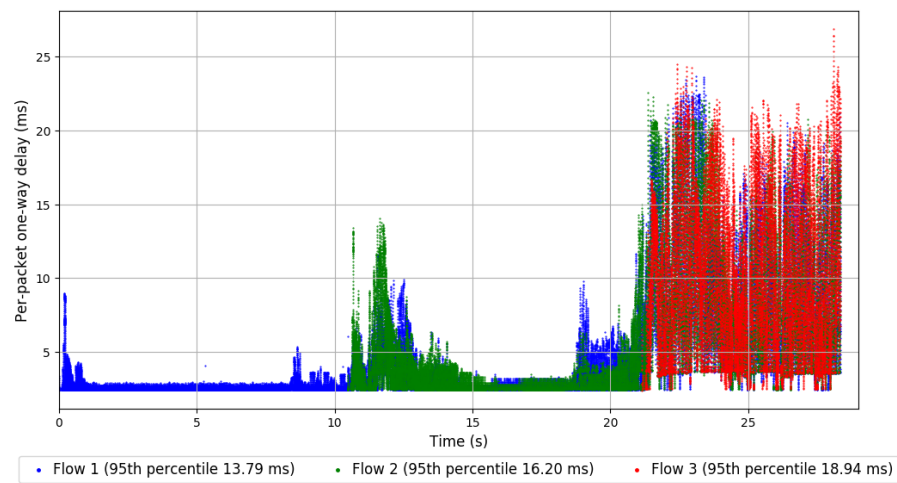
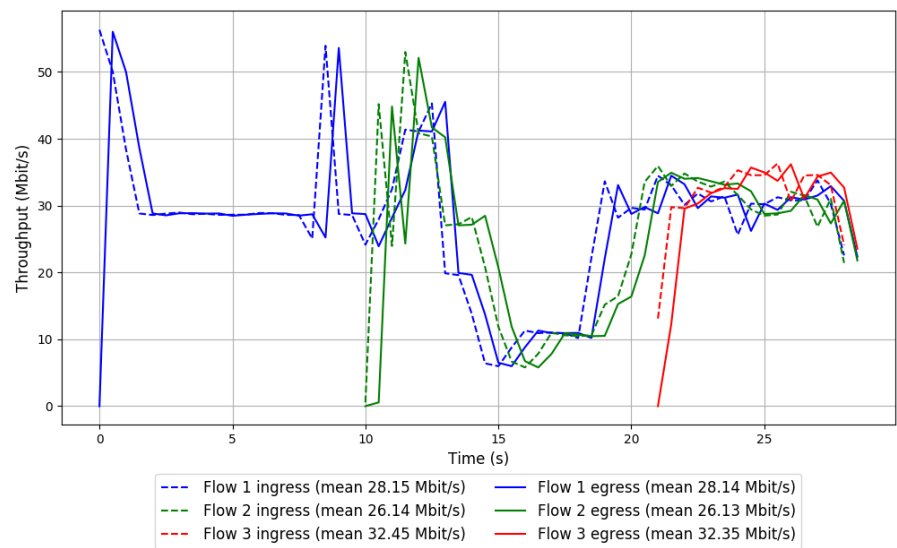
-- Flow 3:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 18.942 ms

Loss rate: 0.26%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-18 11:59:20

End at: 2019-07-18 11:59:50

Local clock offset: -3.036 ms

Remote clock offset: 0.56 ms

Below is generated by plot.py at 2019-07-18 13:03:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.00 Mbit/s

95th percentile per-packet one-way delay: 15.470 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 27.87 Mbit/s

95th percentile per-packet one-way delay: 14.735 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.25 Mbit/s

95th percentile per-packet one-way delay: 12.867 ms

Loss rate: 0.11%

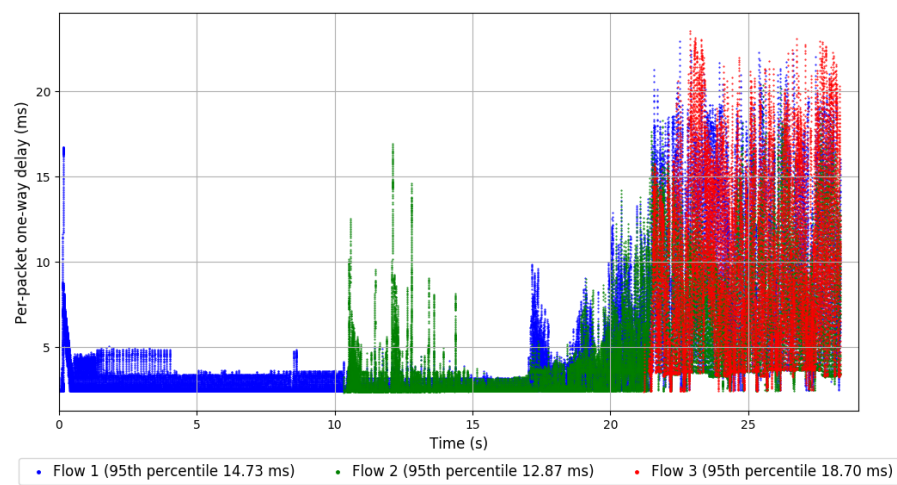
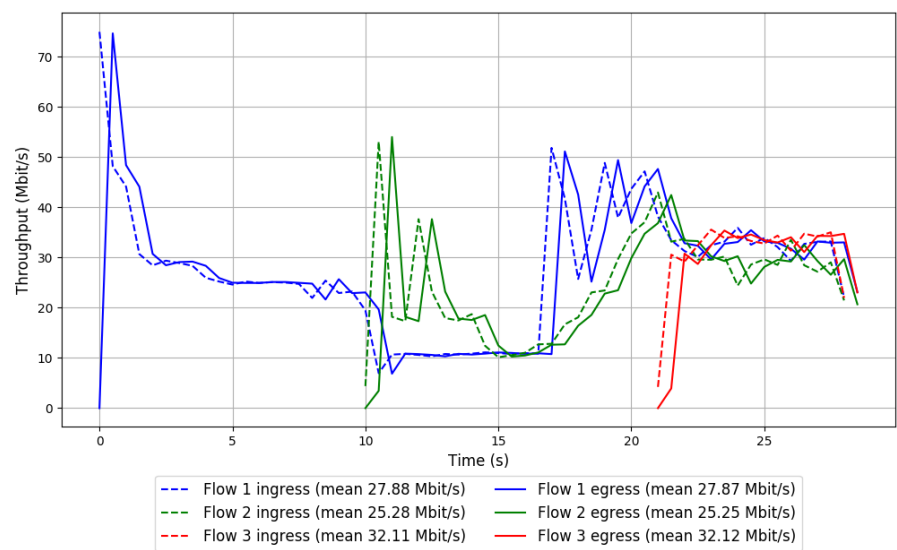
-- Flow 3:

Average throughput: 32.12 Mbit/s

95th percentile per-packet one-way delay: 18.704 ms

Loss rate: 0.04%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-18 12:26:57

End at: 2019-07-18 12:27:27

Local clock offset: -4.125 ms

Remote clock offset: 0.65 ms

Below is generated by plot.py at 2019-07-18 13:03:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 17.863 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 25.44 Mbit/s

95th percentile per-packet one-way delay: 17.161 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 15.817 ms

Loss rate: 0.02%

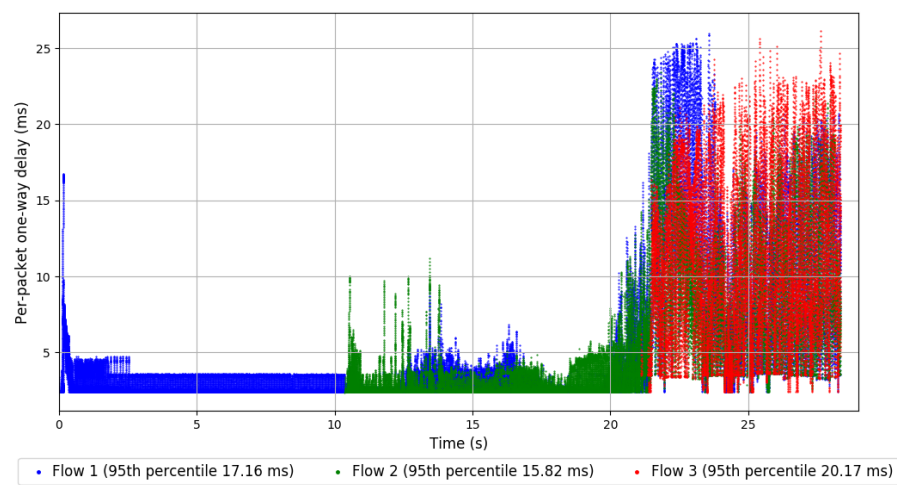
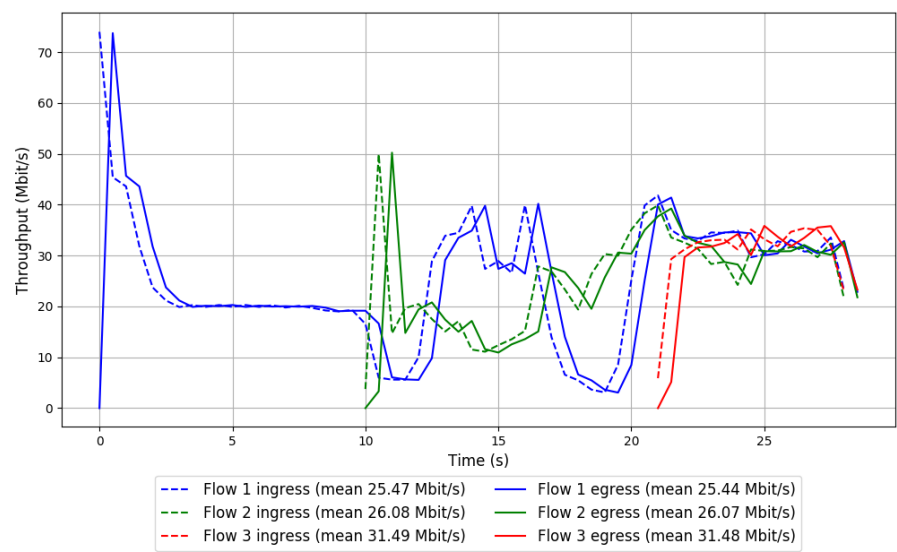
-- Flow 3:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 20.171 ms

Loss rate: 0.11%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-18 12:54:35

End at: 2019-07-18 12:55:05

Local clock offset: -3.861 ms

Remote clock offset: 0.639 ms

Below is generated by plot.py at 2019-07-18 13:03:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 14.228 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 29.11 Mbit/s

95th percentile per-packet one-way delay: 11.242 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 25.23 Mbit/s

95th percentile per-packet one-way delay: 13.192 ms

Loss rate: 0.09%

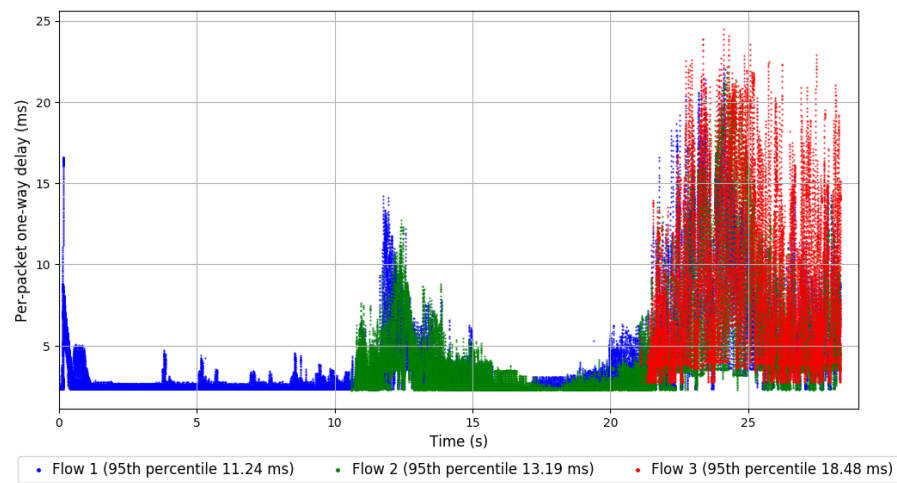
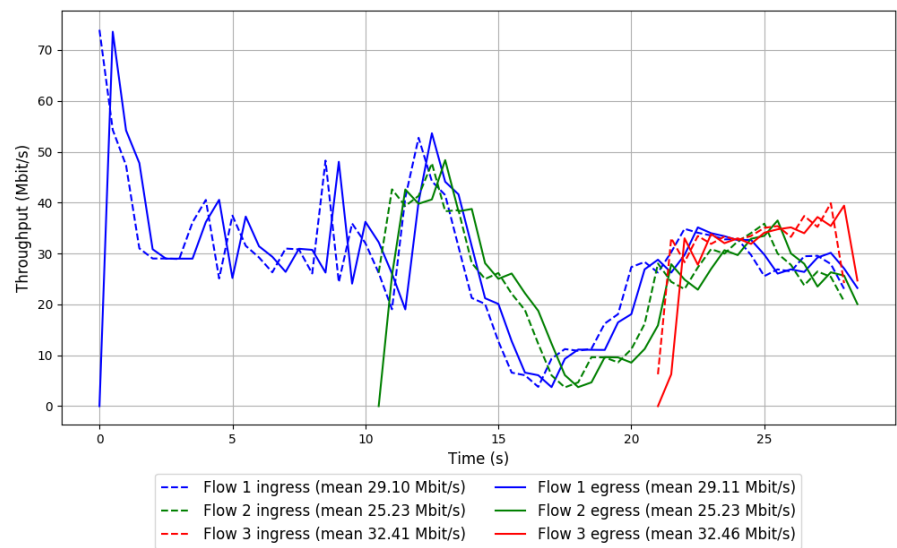
-- Flow 3:

Average throughput: 32.46 Mbit/s

95th percentile per-packet one-way delay: 18.483 ms

Loss rate: 0.06%

Run 5: Report of Indigo-MusesC5 — Data Link

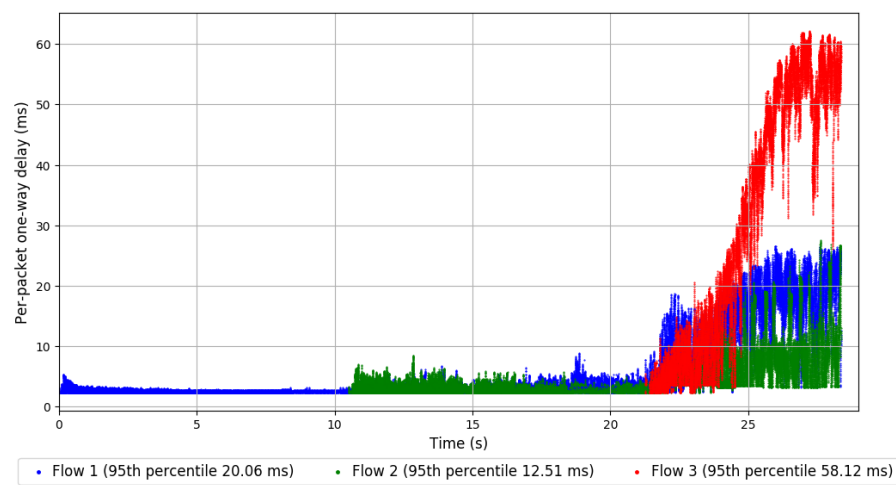
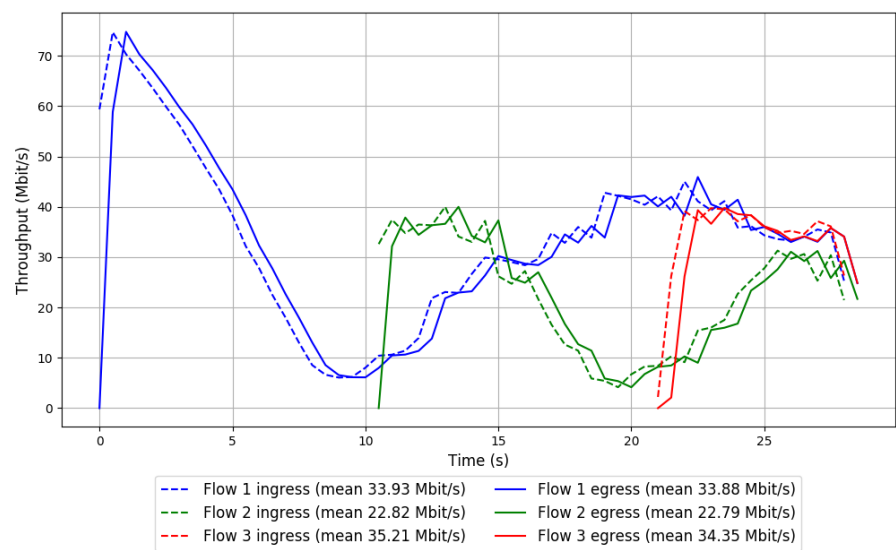


Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-18 10:42:24
End at: 2019-07-18 10:42:54
Local clock offset: -3.929 ms
Remote clock offset: -0.359 ms

Below is generated by plot.py at 2019-07-18 13:03:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 46.083 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 33.88 Mbit/s
95th percentile per-packet one-way delay: 20.059 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 12.514 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 58.122 ms
Loss rate: 2.43%

Run 1: Report of Indigo-MusesD — Data Link

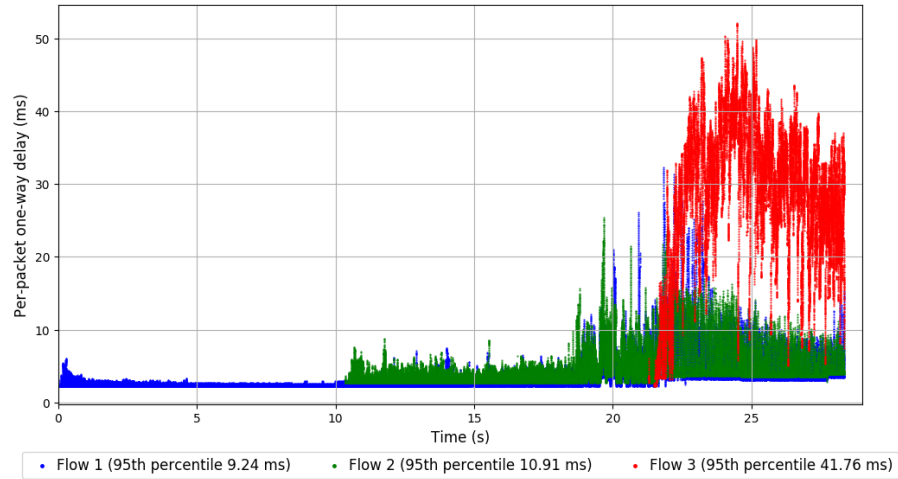
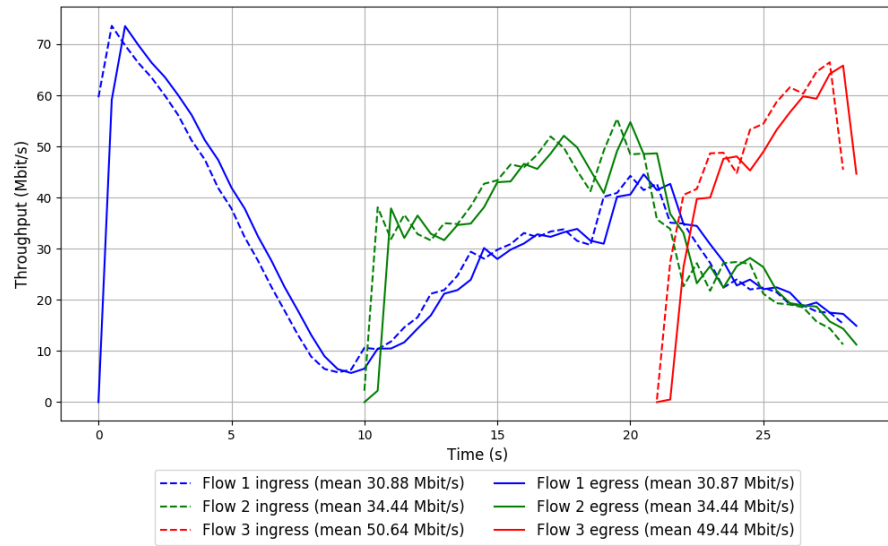


Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-18 11:09:58
End at: 2019-07-18 11:10:28
Local clock offset: -3.254 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-07-18 13:03:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.08 Mbit/s
95th percentile per-packet one-way delay: 34.623 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 30.87 Mbit/s
95th percentile per-packet one-way delay: 9.238 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 10.915 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 41.760 ms
Loss rate: 2.35%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-18 11:37:31

End at: 2019-07-18 11:38:01

Local clock offset: -2.754 ms

Remote clock offset: 0.372 ms

Below is generated by plot.py at 2019-07-18 13:04:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.35 Mbit/s

95th percentile per-packet one-way delay: 12.428 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 30.11 Mbit/s

95th percentile per-packet one-way delay: 11.594 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 28.35 Mbit/s

95th percentile per-packet one-way delay: 9.146 ms

Loss rate: 0.05%

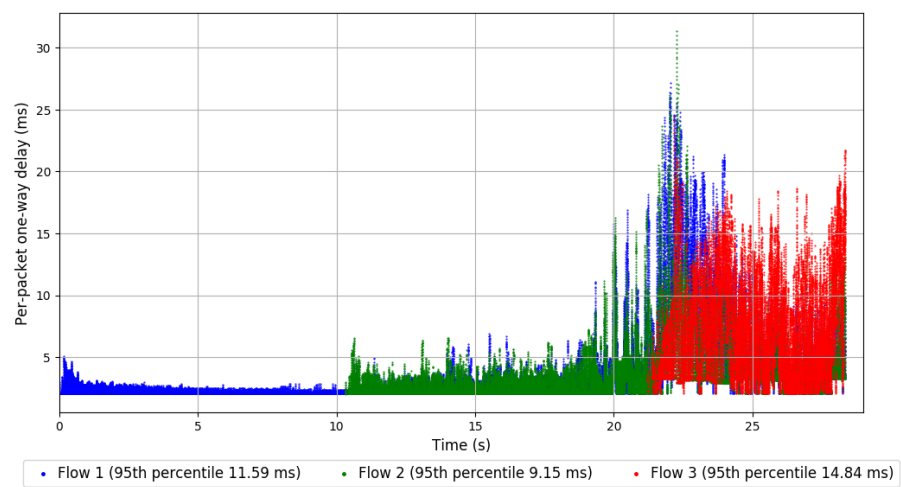
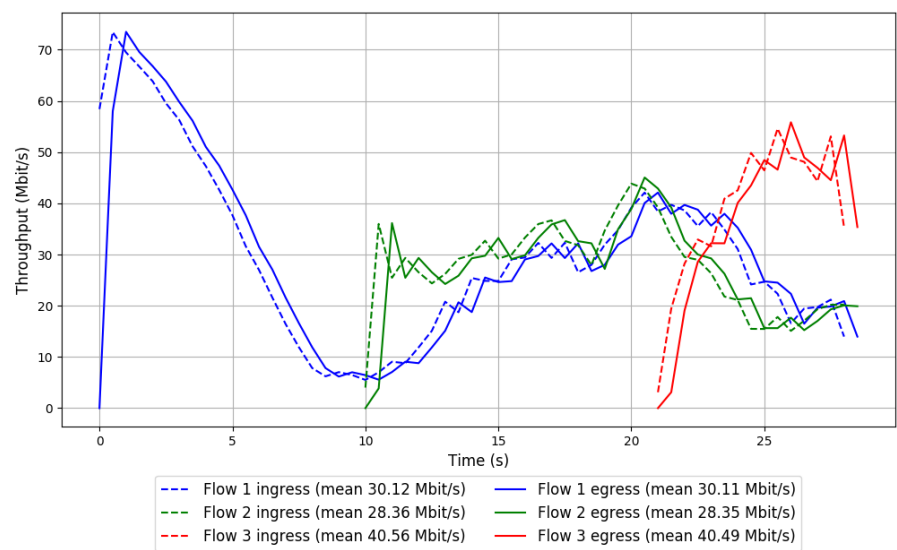
-- Flow 3:

Average throughput: 40.49 Mbit/s

95th percentile per-packet one-way delay: 14.839 ms

Loss rate: 0.12%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-18 12:05:04

End at: 2019-07-18 12:05:34

Local clock offset: -3.76 ms

Remote clock offset: 0.519 ms

Below is generated by plot.py at 2019-07-18 13:04:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.25 Mbit/s

95th percentile per-packet one-way delay: 40.713 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 14.036 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 25.56 Mbit/s

95th percentile per-packet one-way delay: 9.984 ms

Loss rate: 0.00%

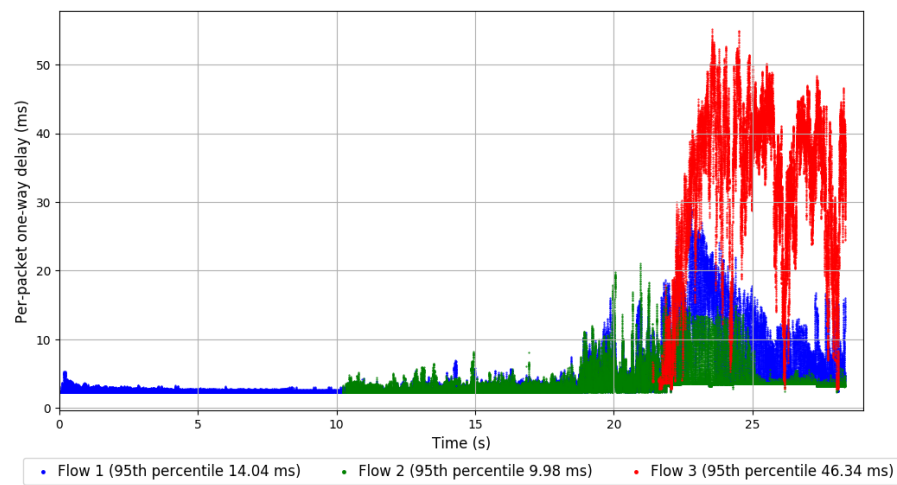
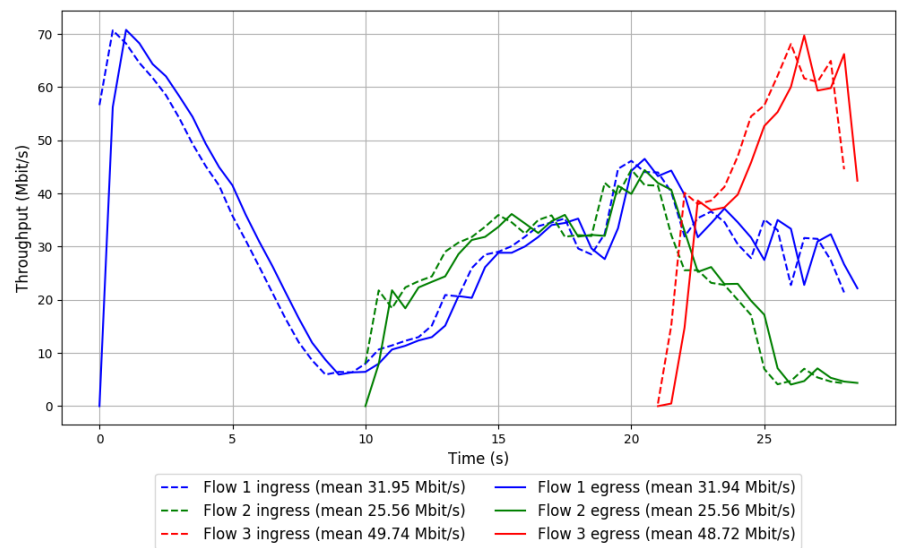
-- Flow 3:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 46.338 ms

Loss rate: 2.14%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-18 12:32:41

End at: 2019-07-18 12:33:11

Local clock offset: -3.906 ms

Remote clock offset: 0.671 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.60 Mbit/s

95th percentile per-packet one-way delay: 19.034 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 32.81 Mbit/s

95th percentile per-packet one-way delay: 10.719 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 21.72 Mbit/s

95th percentile per-packet one-way delay: 11.375 ms

Loss rate: 0.09%

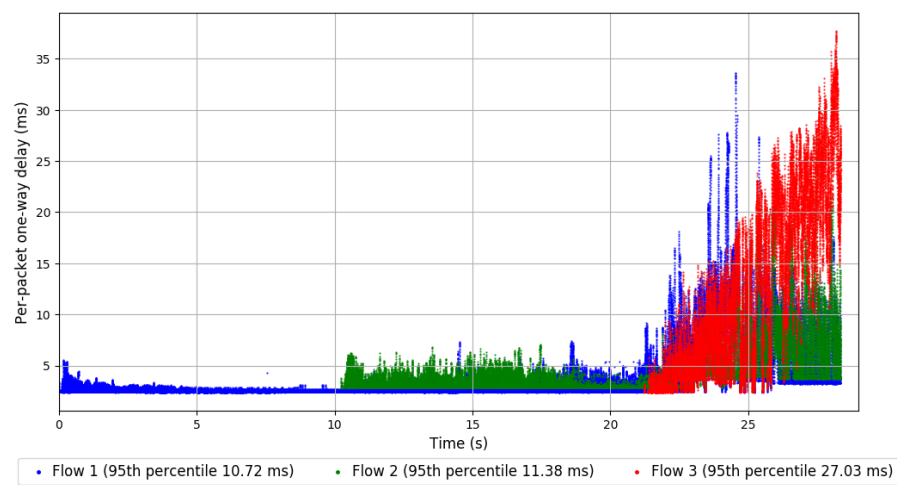
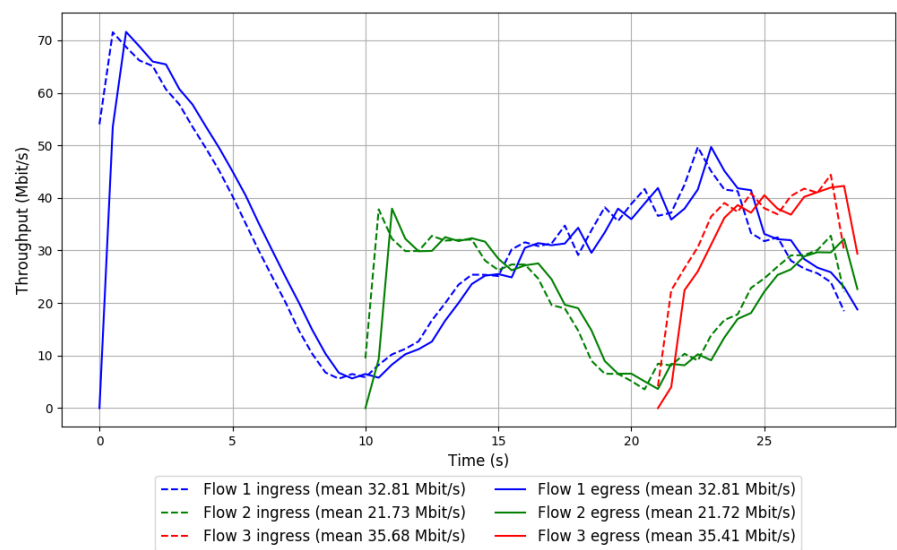
-- Flow 3:

Average throughput: 35.41 Mbit/s

95th percentile per-packet one-way delay: 27.026 ms

Loss rate: 0.81%

Run 5: Report of Indigo-MusesD — Data Link

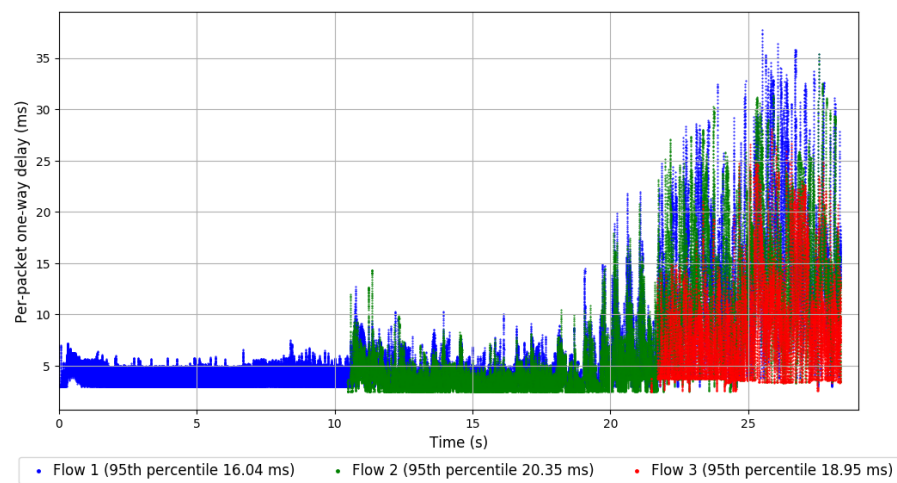
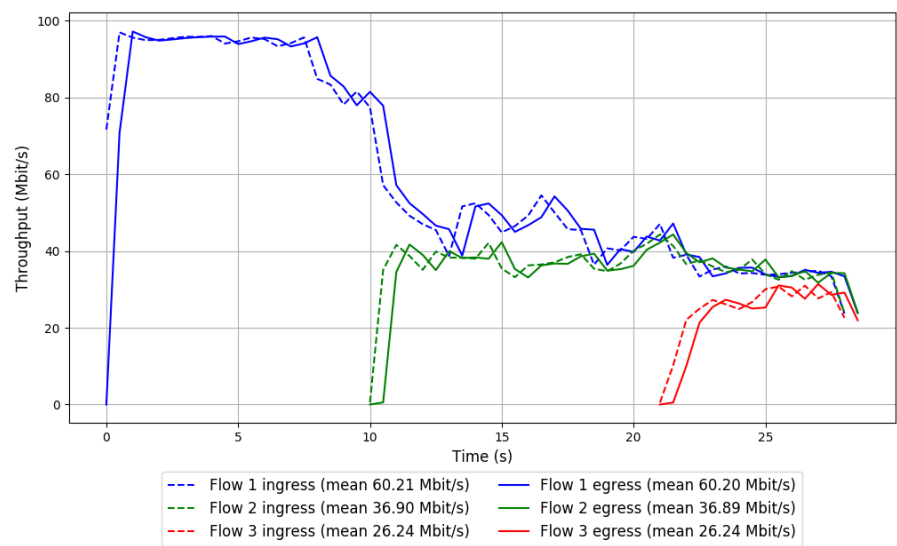


Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-18 10:49:15
End at: 2019-07-18 10:49:45
Local clock offset: -3.868 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2019-07-18 13:04:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 17.986 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.20 Mbit/s
95th percentile per-packet one-way delay: 16.043 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 20.352 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 26.24 Mbit/s
95th percentile per-packet one-way delay: 18.953 ms
Loss rate: 0.21%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-18 11:16:49

End at: 2019-07-18 11:17:19

Local clock offset: -2.859 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2019-07-18 13:04:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.56 Mbit/s

95th percentile per-packet one-way delay: 18.120 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 60.41 Mbit/s

95th percentile per-packet one-way delay: 16.707 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 34.18 Mbit/s

95th percentile per-packet one-way delay: 20.605 ms

Loss rate: 0.12%

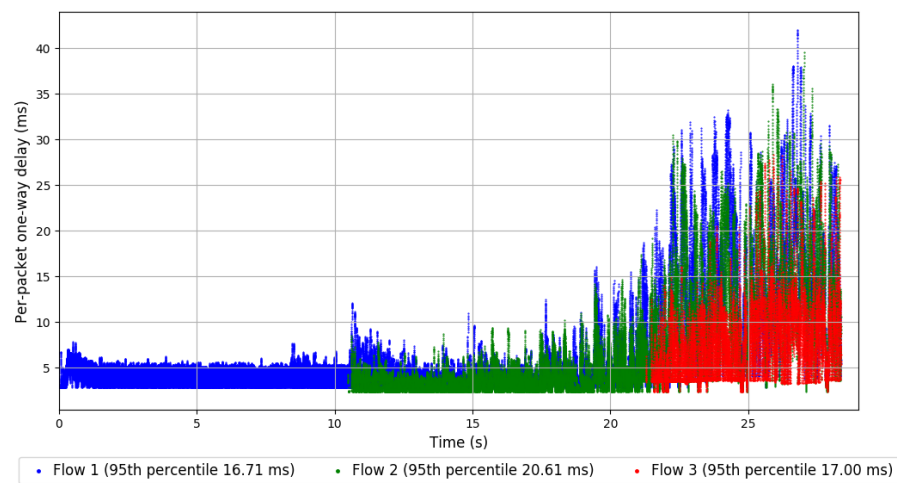
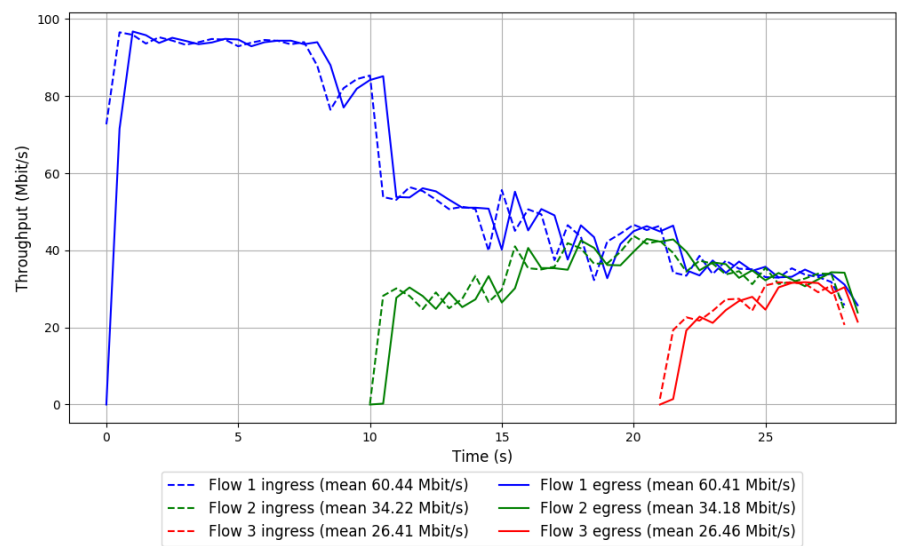
-- Flow 3:

Average throughput: 26.46 Mbit/s

95th percentile per-packet one-way delay: 17.003 ms

Loss rate: 0.06%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-18 11:44:21

End at: 2019-07-18 11:44:51

Local clock offset: -2.559 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2019-07-18 13:04:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 18.955 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 58.10 Mbit/s

95th percentile per-packet one-way delay: 17.144 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 20.355 ms

Loss rate: 0.12%

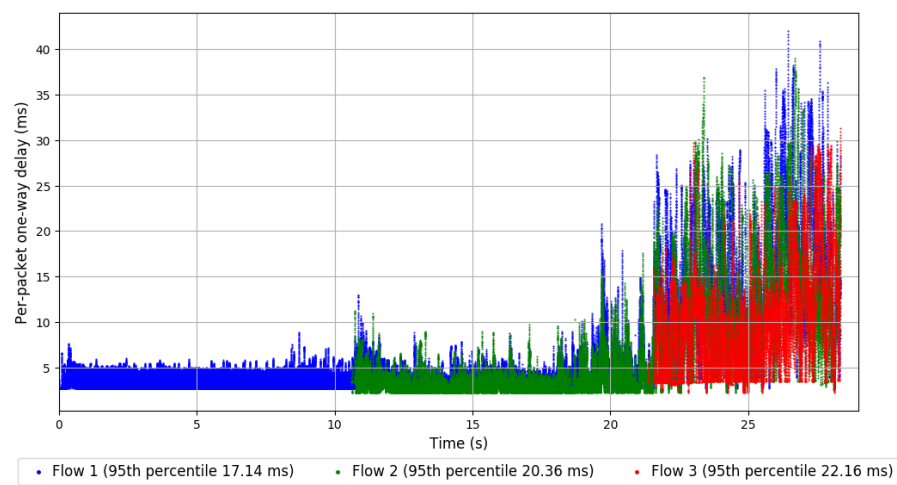
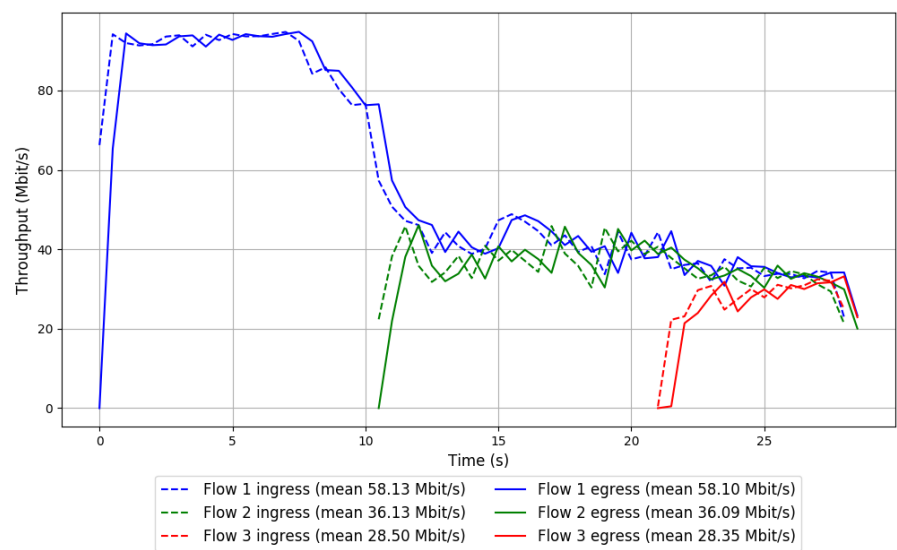
-- Flow 3:

Average throughput: 28.35 Mbit/s

95th percentile per-packet one-way delay: 22.158 ms

Loss rate: 0.55%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-18 12:11:54

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

Local clock offset: -3.918 ms

Remote clock offset: 0.63 ms

Below is generated by plot.py at 2019-07-18 13:04:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 19.422 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 16.156 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 37.73 Mbit/s

95th percentile per-packet one-way delay: 24.346 ms

Loss rate: 0.08%

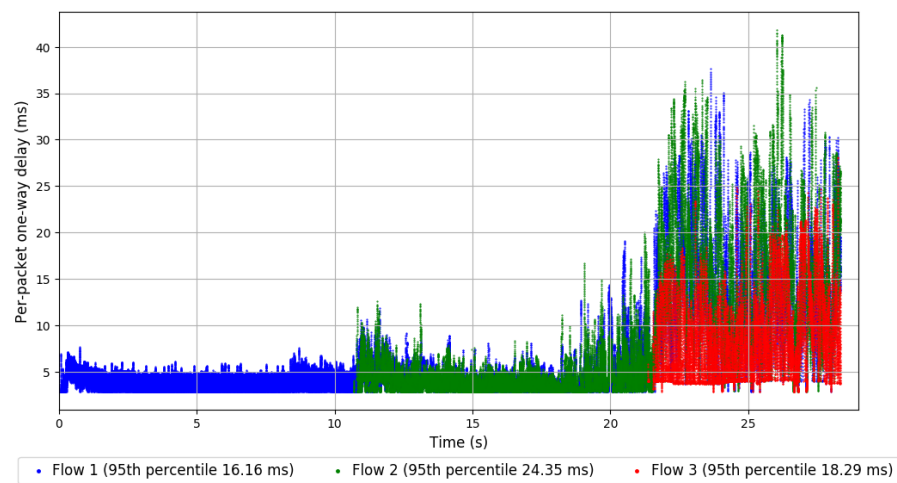
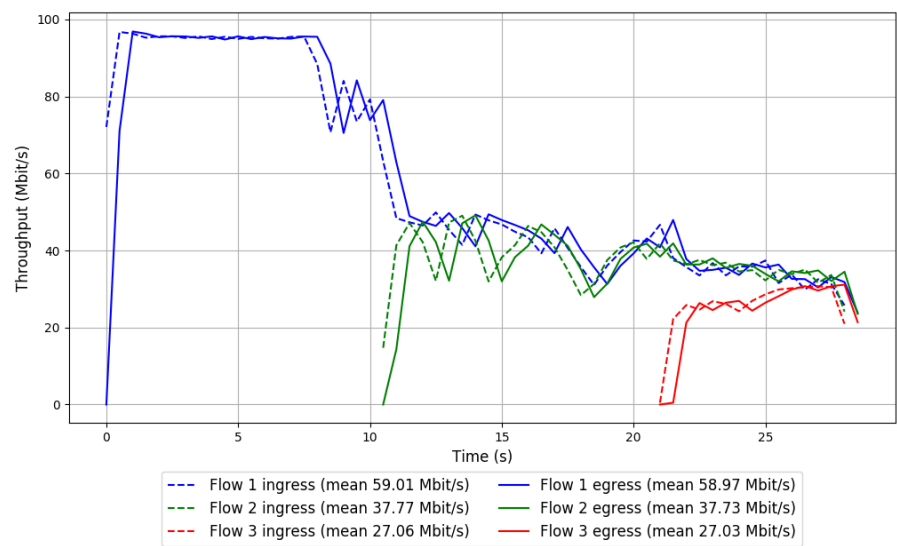
-- Flow 3:

Average throughput: 27.03 Mbit/s

95th percentile per-packet one-way delay: 18.285 ms

Loss rate: 0.06%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-18 12:39:32

End at: 2019-07-18 12:40:02

Local clock offset: -3.805 ms

Remote clock offset: 0.599 ms

Below is generated by plot.py at 2019-07-18 13:04:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 17.246 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 50.69 Mbit/s

95th percentile per-packet one-way delay: 15.235 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 19.770 ms

Loss rate: 0.09%

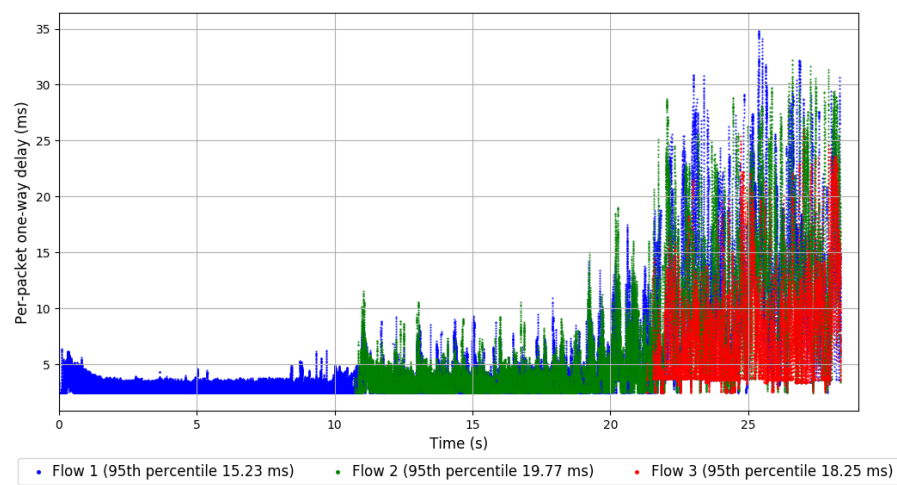
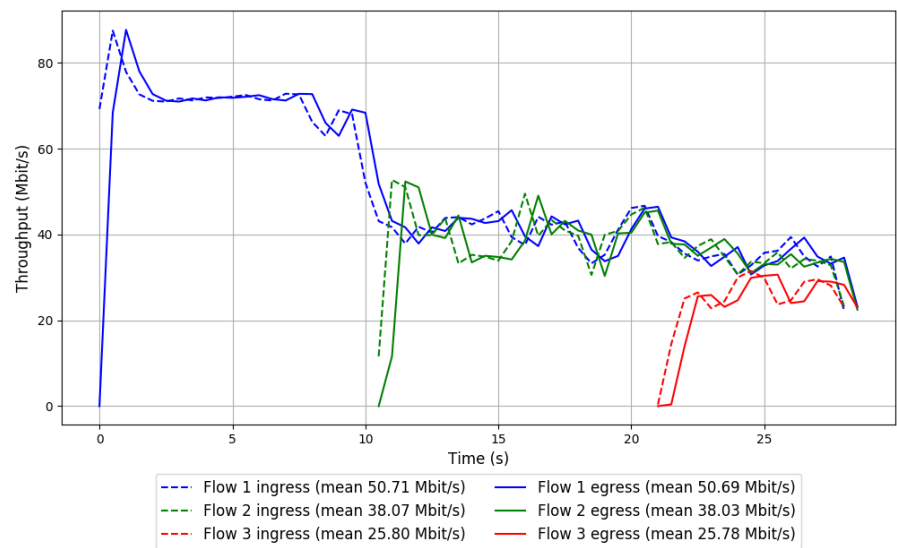
-- Flow 3:

Average throughput: 25.78 Mbit/s

95th percentile per-packet one-way delay: 18.255 ms

Loss rate: 0.17%

Run 5: Report of Indigo-MusesT — Data Link

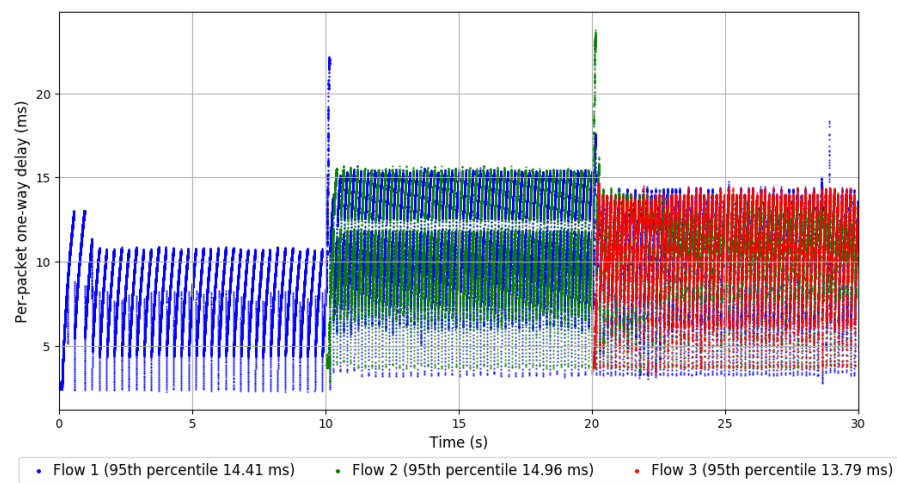
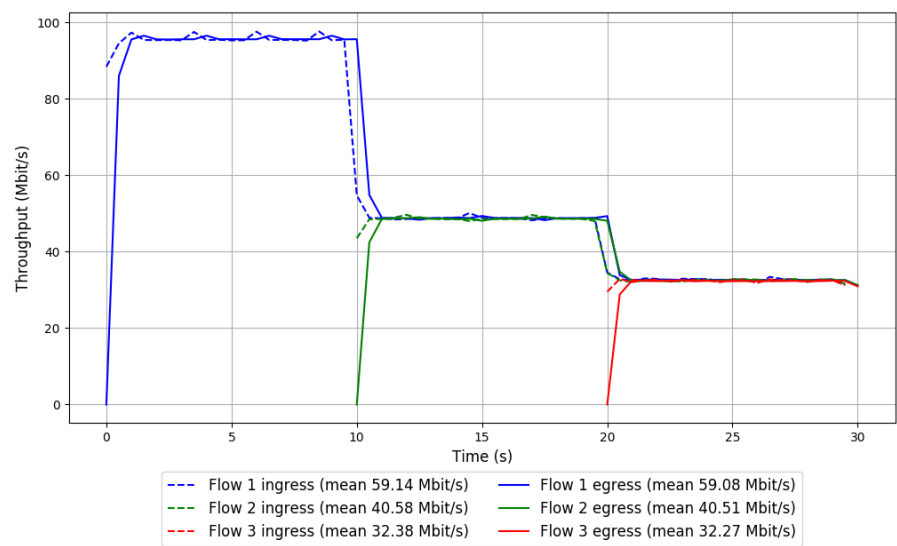


Run 1: Statistics of LEDBAT

Start at: 2019-07-18 10:58:34
End at: 2019-07-18 10:59:04
Local clock offset: -3.54 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2019-07-18 13:05:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 14.636 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 14.406 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 14.956 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 13.791 ms
Loss rate: 0.39%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

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

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

Local clock offset: -2.879 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2019-07-18 13:05:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.74 Mbit/s

95th percentile per-packet one-way delay: 14.352 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 58.96 Mbit/s

95th percentile per-packet one-way delay: 14.120 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 14.745 ms

Loss rate: 0.21%

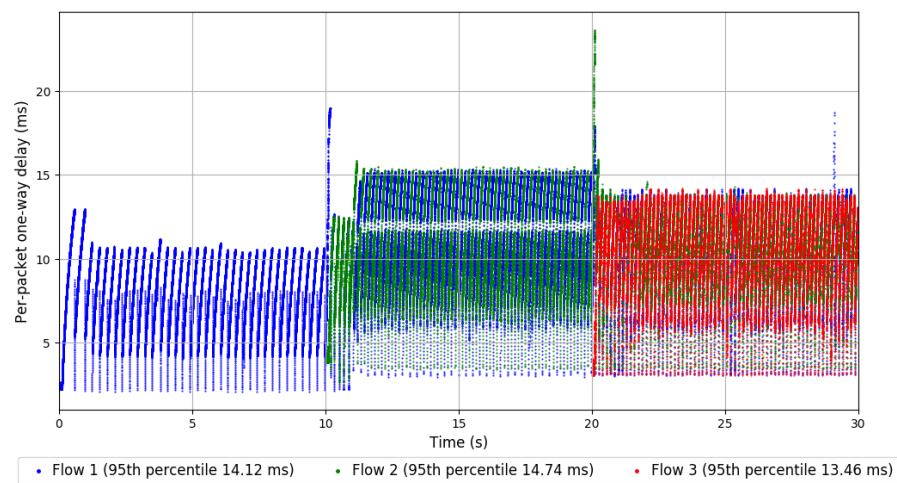
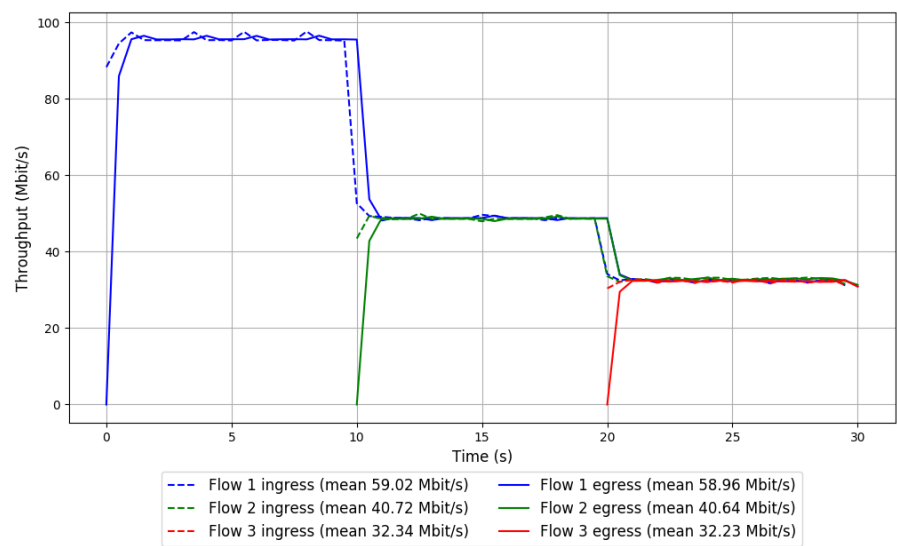
-- Flow 3:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 13.463 ms

Loss rate: 0.40%

Run 2: Report of LEDBAT — Data Link

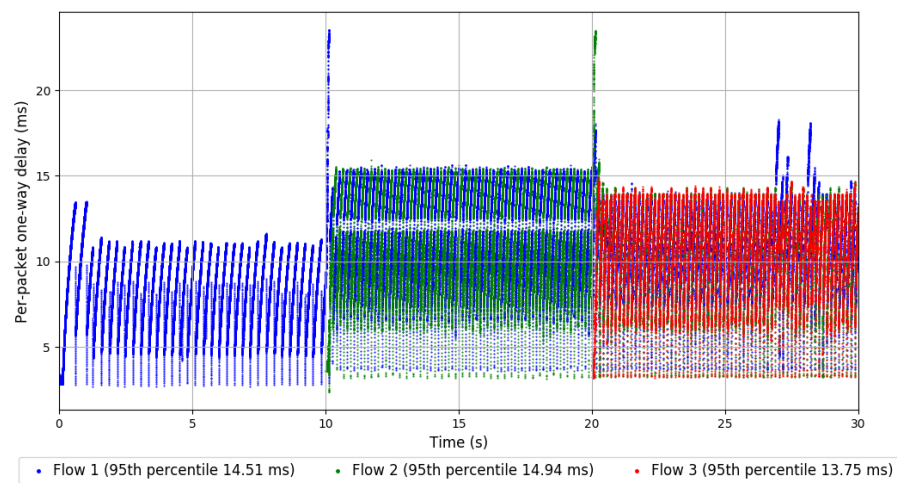
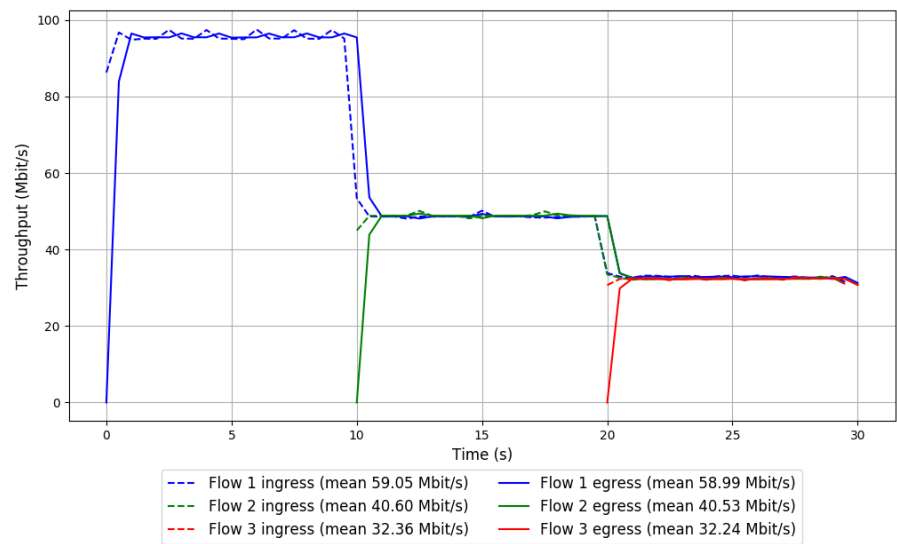


Run 3: Statistics of LEDBAT

Start at: 2019-07-18 11:53:39
End at: 2019-07-18 11:54:09
Local clock offset: -2.191 ms
Remote clock offset: 0.525 ms

Below is generated by plot.py at 2019-07-18 13:05:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 14.647 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 14.512 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 14.936 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.24 Mbit/s
95th percentile per-packet one-way delay: 13.747 ms
Loss rate: 0.40%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-07-18 12:21:13

End at: 2019-07-18 12:21:43

Local clock offset: -4.204 ms

Remote clock offset: 0.592 ms

Below is generated by plot.py at 2019-07-18 13:06:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 14.674 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 58.91 Mbit/s

95th percentile per-packet one-way delay: 14.394 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.58 Mbit/s

95th percentile per-packet one-way delay: 14.954 ms

Loss rate: 0.21%

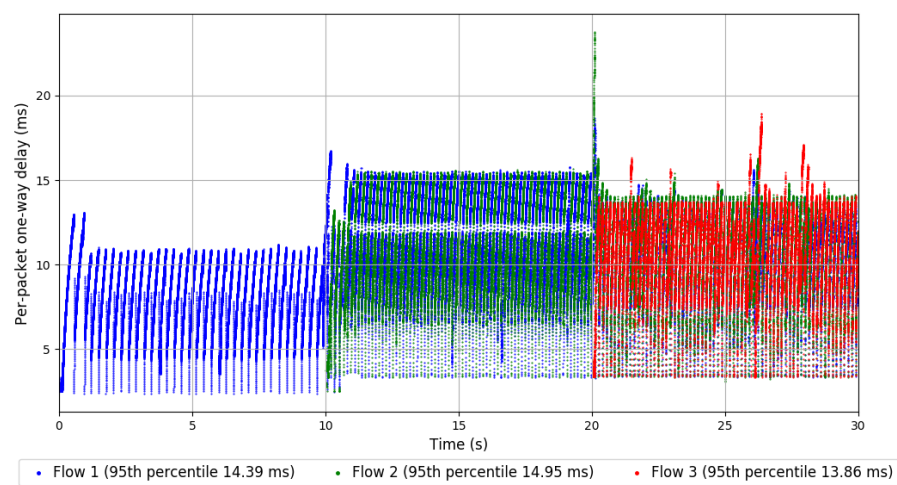
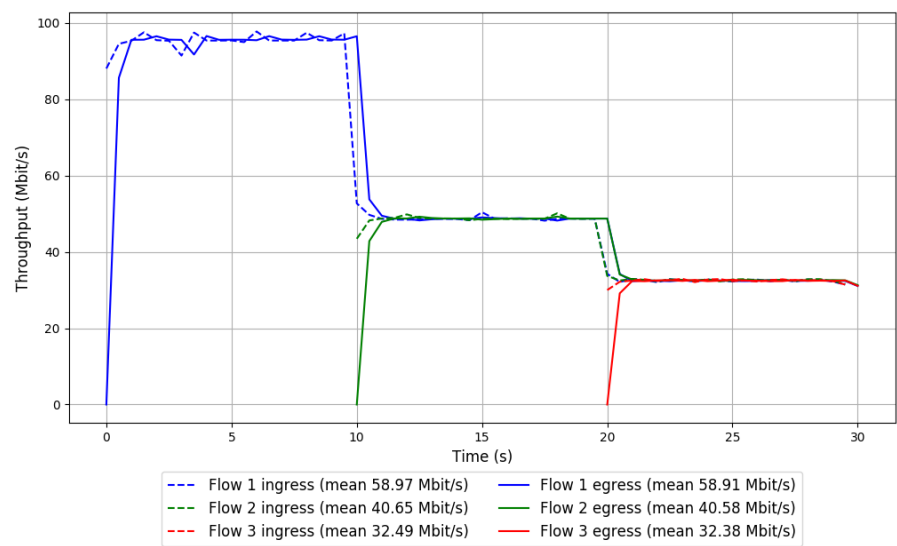
-- Flow 3:

Average throughput: 32.38 Mbit/s

95th percentile per-packet one-way delay: 13.857 ms

Loss rate: 0.38%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-07-18 12:48:51

End at: 2019-07-18 12:49:21

Local clock offset: -4.03 ms

Remote clock offset: 0.627 ms

Below is generated by plot.py at 2019-07-18 13:06:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 12.944 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 60.46 Mbit/s

95th percentile per-packet one-way delay: 12.732 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 37.70 Mbit/s

95th percentile per-packet one-way delay: 12.970 ms

Loss rate: 0.27%

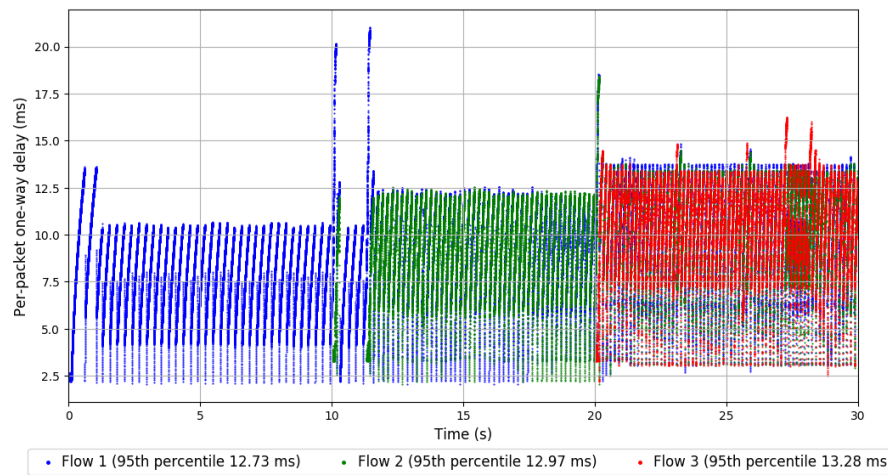
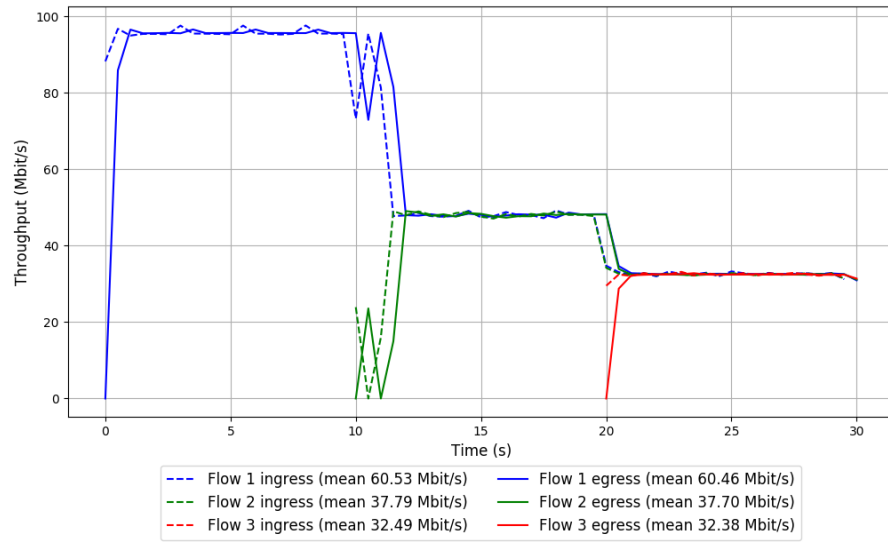
-- Flow 3:

Average throughput: 32.38 Mbit/s

95th percentile per-packet one-way delay: 13.282 ms

Loss rate: 0.40%

Run 5: Report of LEDBAT — Data Link

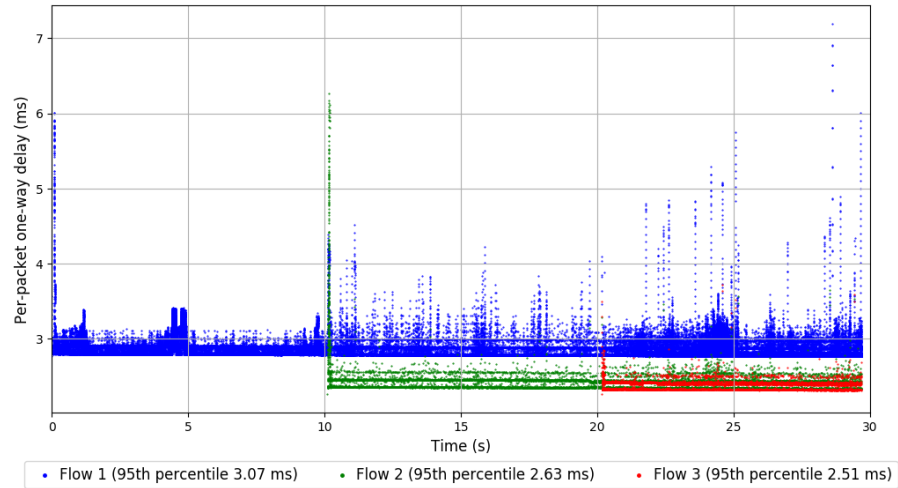
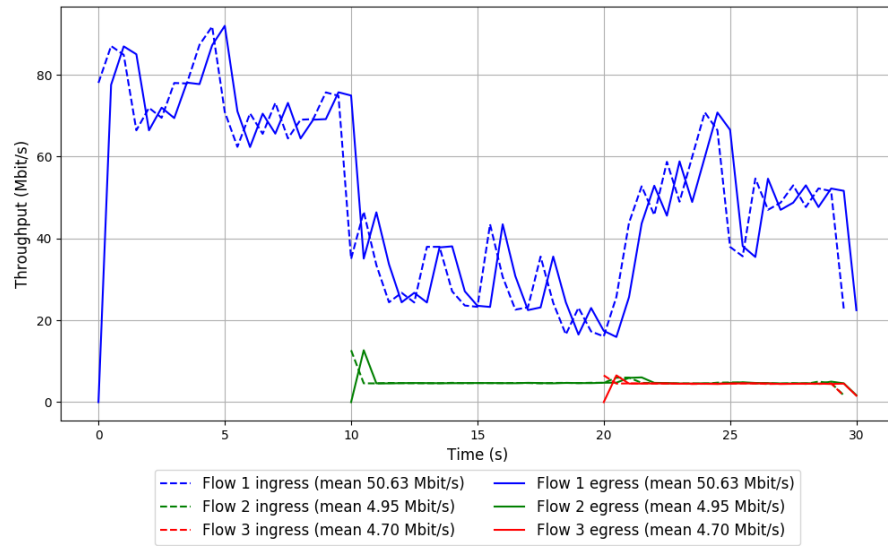


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-18 10:55:04
End at: 2019-07-18 10:55:34
Local clock offset: -3.803 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2019-07-18 13:06:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.41 Mbit/s
95th percentile per-packet one-way delay: 3.059 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 3.068 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 2.629 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 4.70 Mbit/s
95th percentile per-packet one-way delay: 2.508 ms
Loss rate: 0.05%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-18 11:22:39

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

Local clock offset: -2.727 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2019-07-18 13:06:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.72 Mbit/s

95th percentile per-packet one-way delay: 3.129 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 2.649 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 6.03 Mbit/s

95th percentile per-packet one-way delay: 2.665 ms

Loss rate: 0.01%

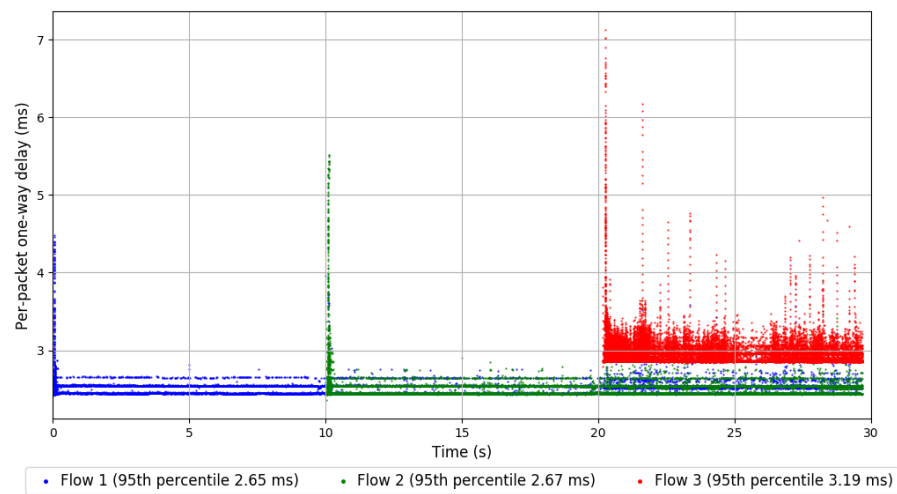
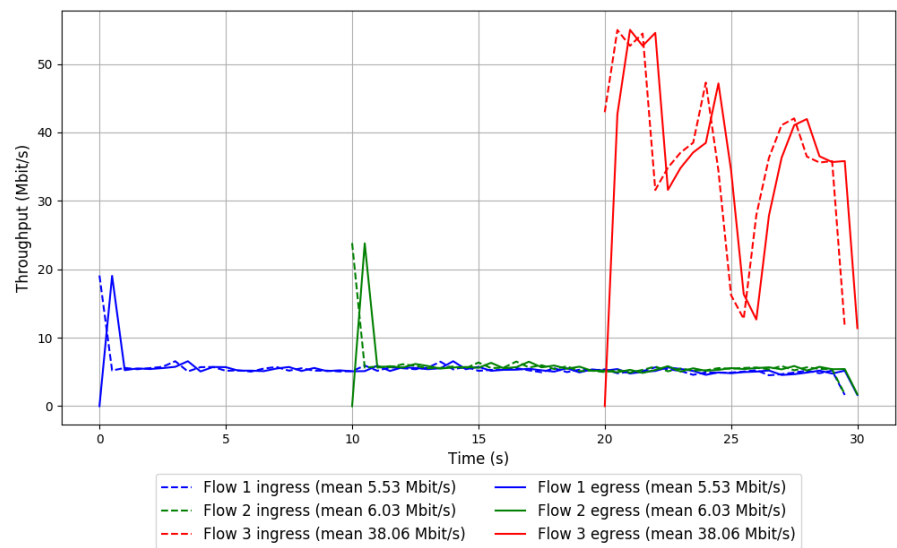
-- Flow 3:

Average throughput: 38.06 Mbit/s

95th percentile per-packet one-way delay: 3.186 ms

Loss rate: 0.05%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-18 11:50:11

End at: 2019-07-18 11:50:41

Local clock offset: -2.327 ms

Remote clock offset: 0.435 ms

Below is generated by plot.py at 2019-07-18 13:06:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.24 Mbit/s

95th percentile per-packet one-way delay: 2.581 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 5.68 Mbit/s

95th percentile per-packet one-way delay: 2.582 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 2.571 ms

Loss rate: 0.03%

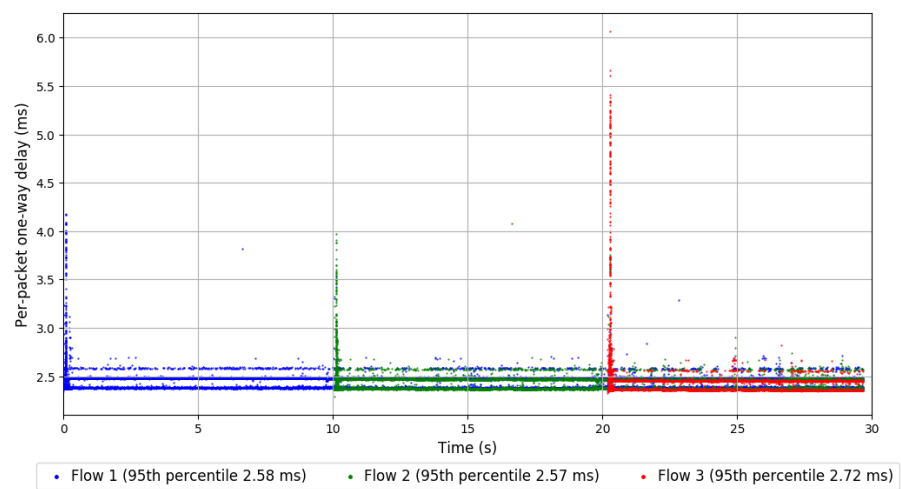
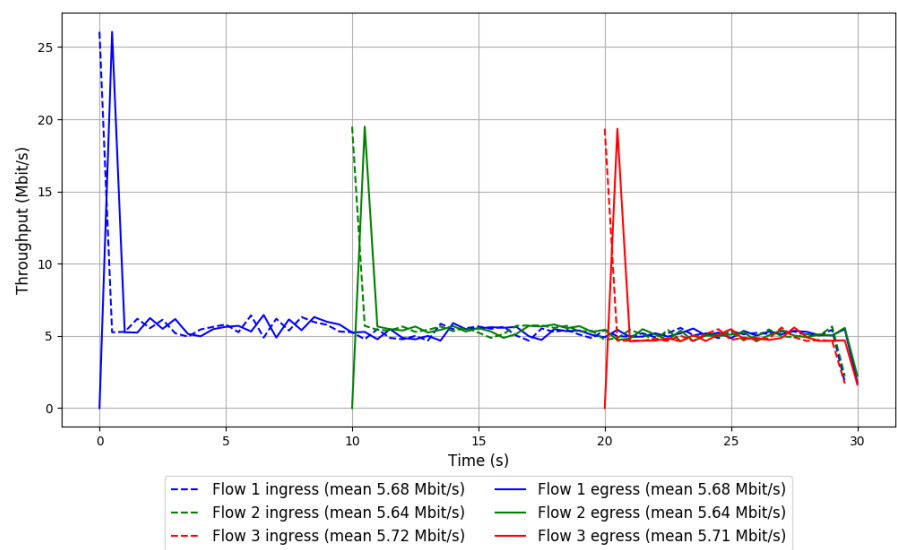
-- Flow 3:

Average throughput: 5.71 Mbit/s

95th percentile per-packet one-way delay: 2.716 ms

Loss rate: 0.06%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-18 12:17:43

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

Local clock offset: -4.115 ms

Remote clock offset: 0.605 ms

Below is generated by plot.py at 2019-07-18 13:06:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.28 Mbit/s

95th percentile per-packet one-way delay: 3.144 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 3.131 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 3.196 ms

Loss rate: 0.03%

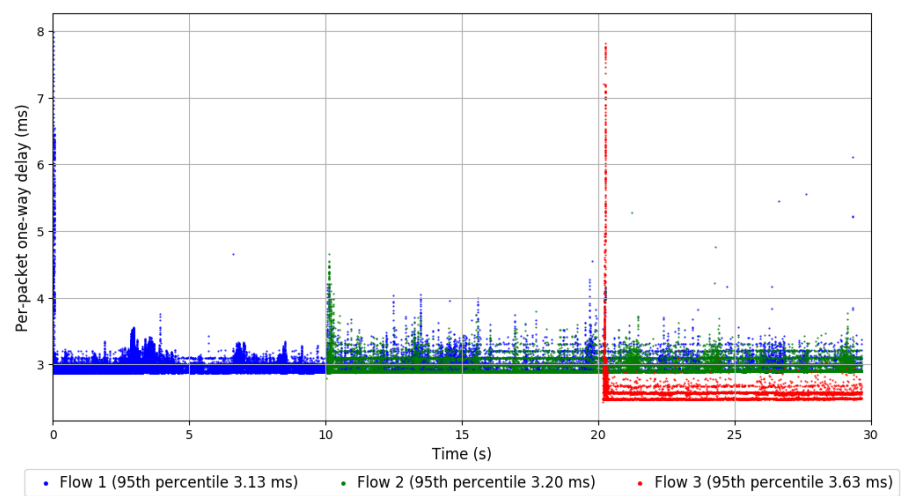
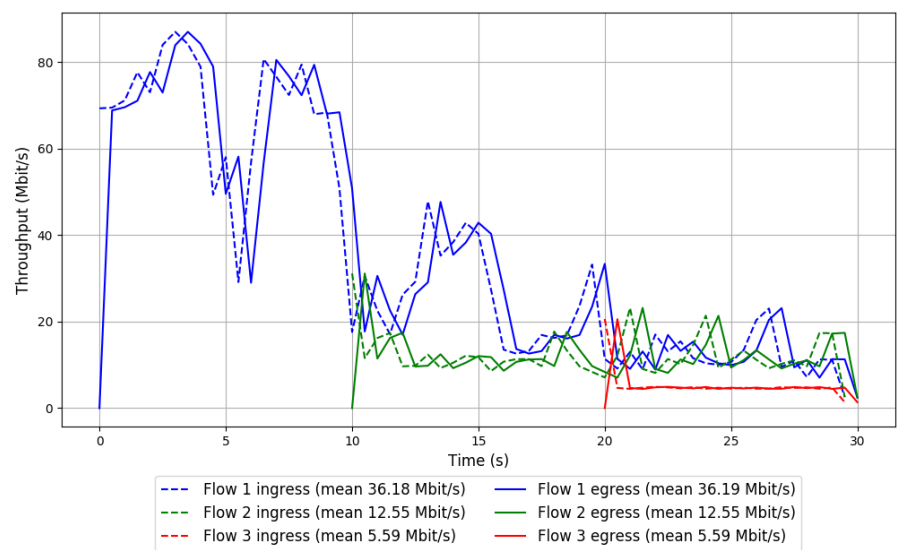
-- Flow 3:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 3.633 ms

Loss rate: 0.04%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-18 12:45:22

End at: 2019-07-18 12:45:52

Local clock offset: -3.999 ms

Remote clock offset: 0.7 ms

Below is generated by plot.py at 2019-07-18 13:06:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.27 Mbit/s

95th percentile per-packet one-way delay: 2.826 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 47.16 Mbit/s

95th percentile per-packet one-way delay: 2.832 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 2.514 ms

Loss rate: 0.02%

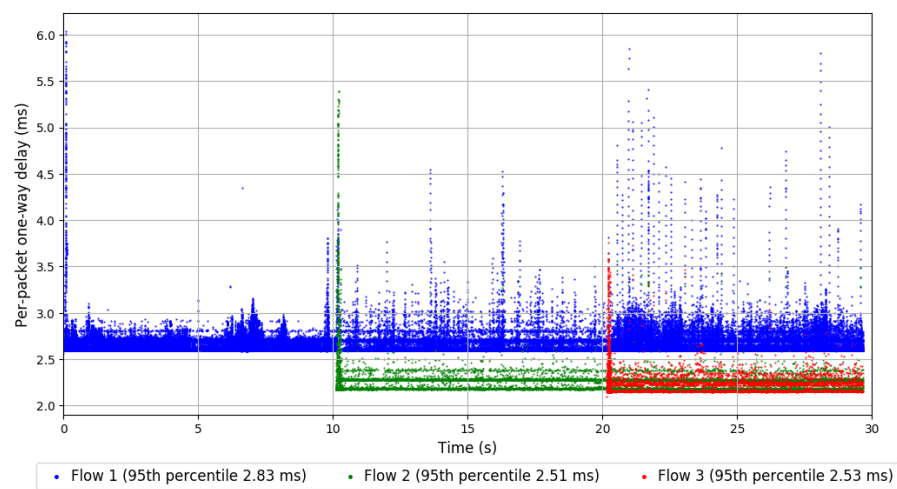
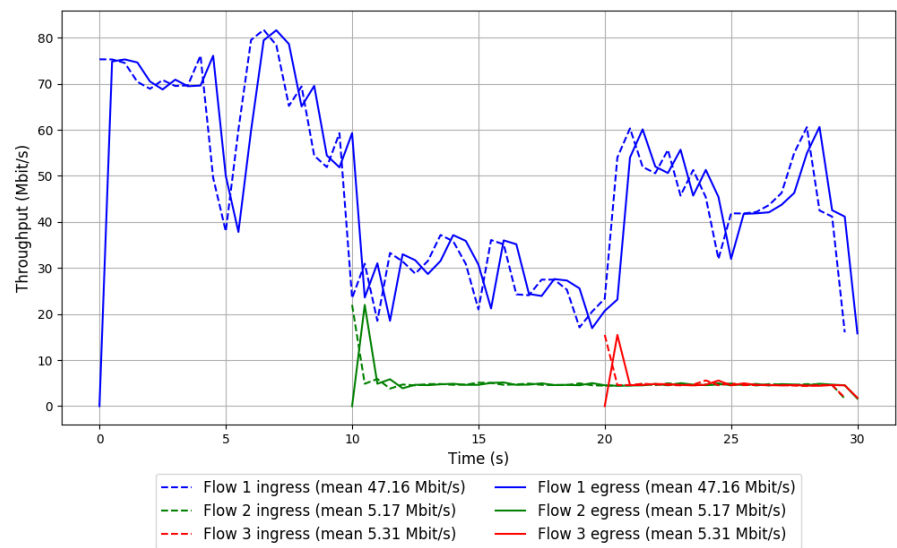
-- Flow 3:

Average throughput: 5.31 Mbit/s

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

Loss rate: 0.05%

Run 5: Report of Muses_DecisionTree — Data Link

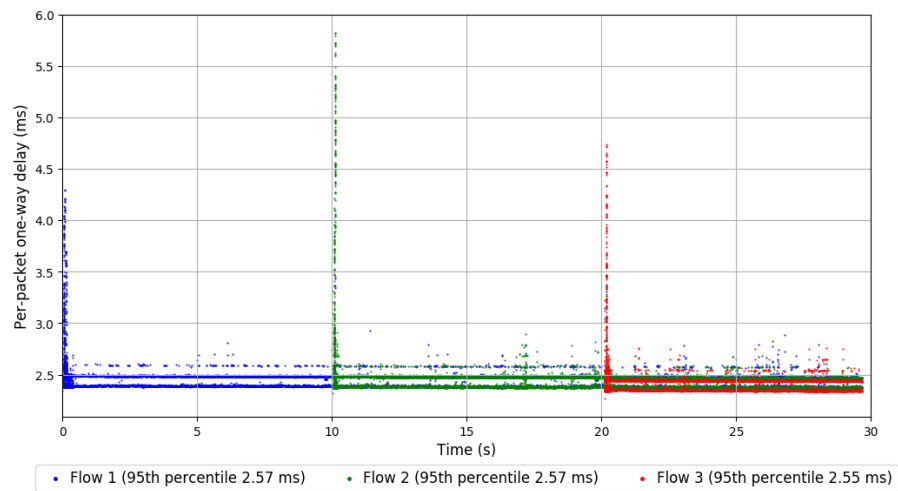
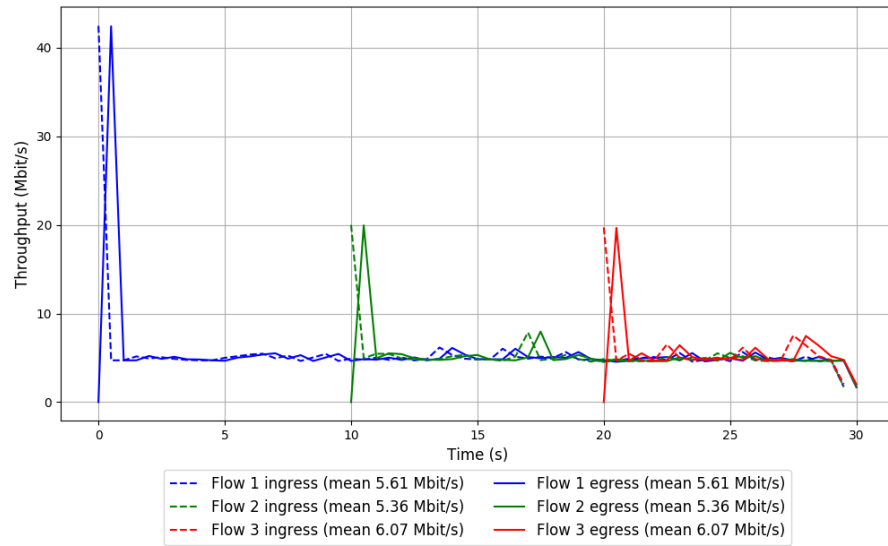


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 11:00:52
End at: 2019-07-18 11:01:22
Local clock offset: -3.404 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2019-07-18 13:06:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 2.567 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 5.61 Mbit/s
95th percentile per-packet one-way delay: 2.566 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 2.574 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 2.547 ms
Loss rate: 0.06%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 11:28:25

End at: 2019-07-18 11:28:55

Local clock offset: -2.68 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2019-07-18 13:06:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.87 Mbit/s

95th percentile per-packet one-way delay: 3.205 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 5.80 Mbit/s

95th percentile per-packet one-way delay: 2.544 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 2.597 ms

Loss rate: 0.02%

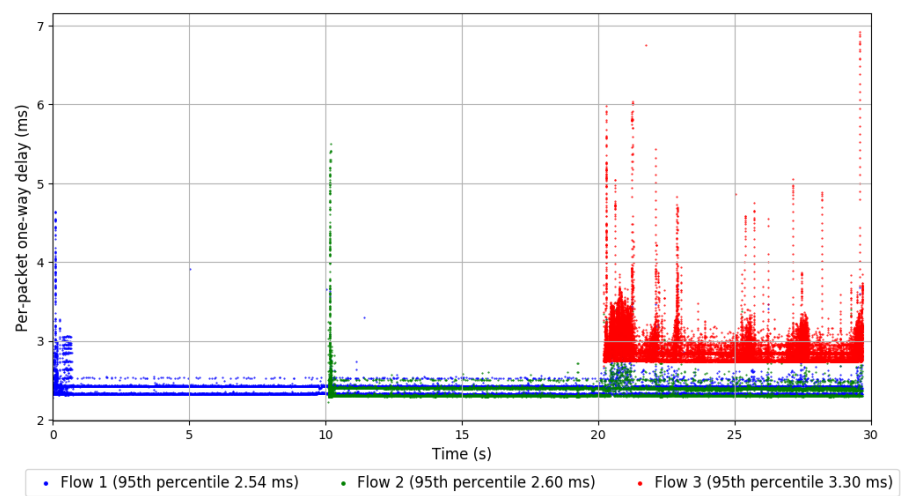
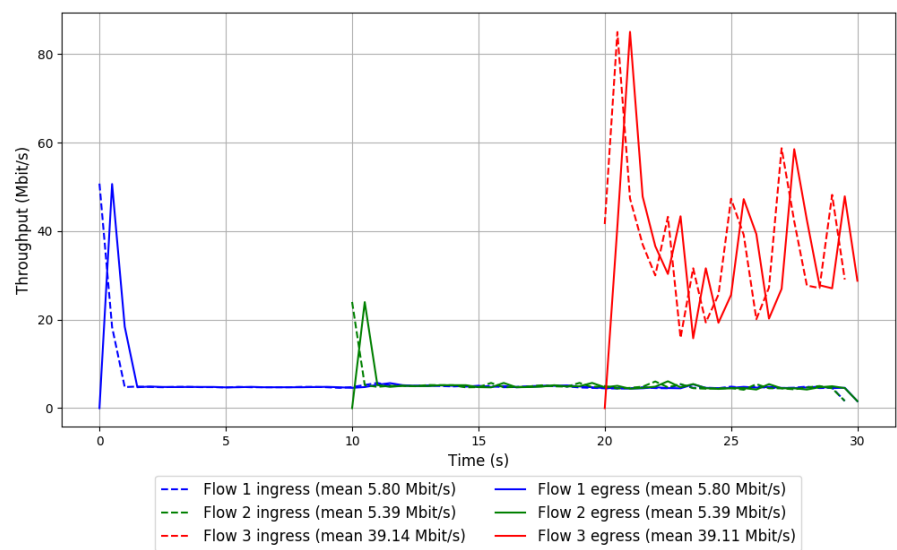
-- Flow 3:

Average throughput: 39.11 Mbit/s

95th percentile per-packet one-way delay: 3.302 ms

Loss rate: 0.11%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 11:55:57

End at: 2019-07-18 11:56:27

Local clock offset: -2.637 ms

Remote clock offset: 0.516 ms

Below is generated by plot.py at 2019-07-18 13:06:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 2.505 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 5.35 Mbit/s

95th percentile per-packet one-way delay: 2.468 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.48 Mbit/s

95th percentile per-packet one-way delay: 2.525 ms

Loss rate: 0.02%

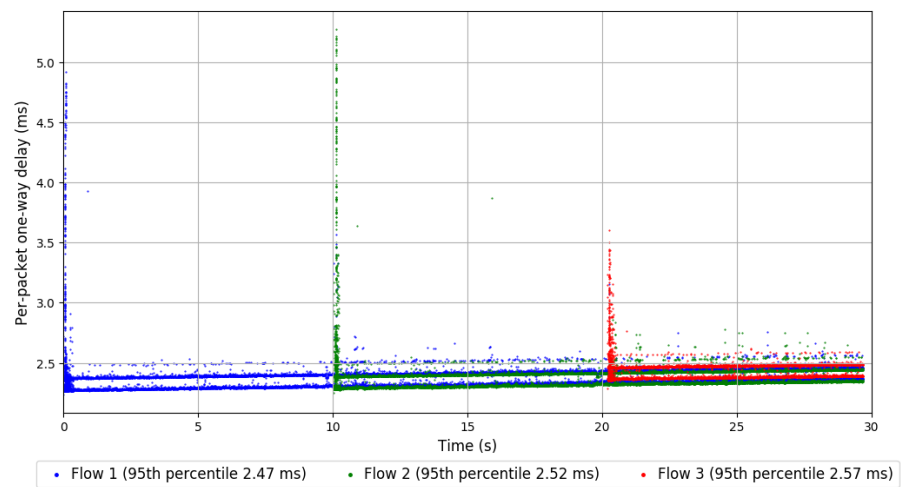
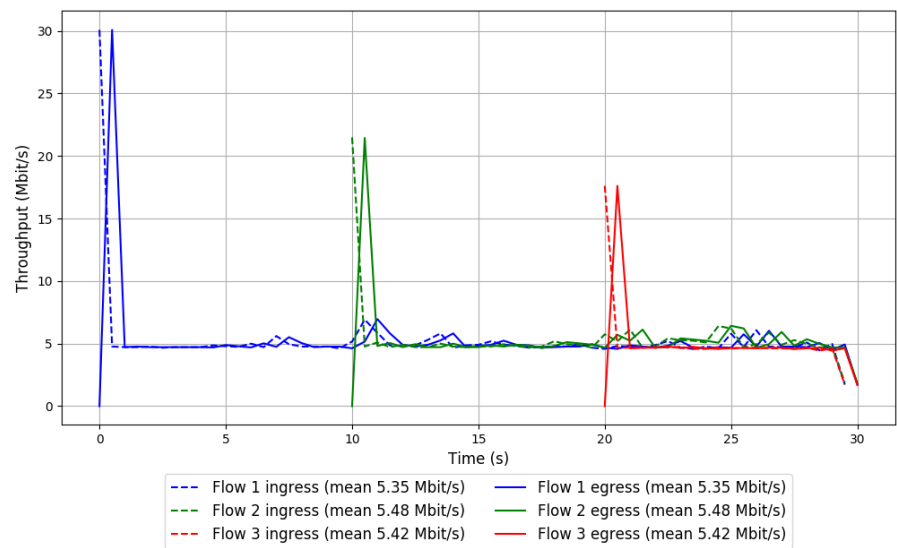
-- Flow 3:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 2.570 ms

Loss rate: 0.05%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 12:23:32

End at: 2019-07-18 12:24:02

Local clock offset: -4.496 ms

Remote clock offset: 0.58 ms

Below is generated by plot.py at 2019-07-18 13:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.23 Mbit/s

95th percentile per-packet one-way delay: 3.403 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 85.53 Mbit/s

95th percentile per-packet one-way delay: 3.405 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 3.019 ms

Loss rate: 0.02%

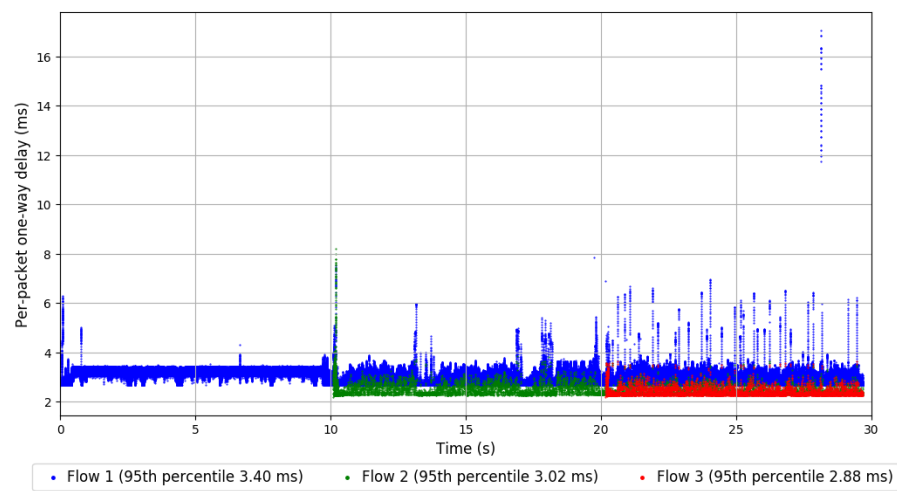
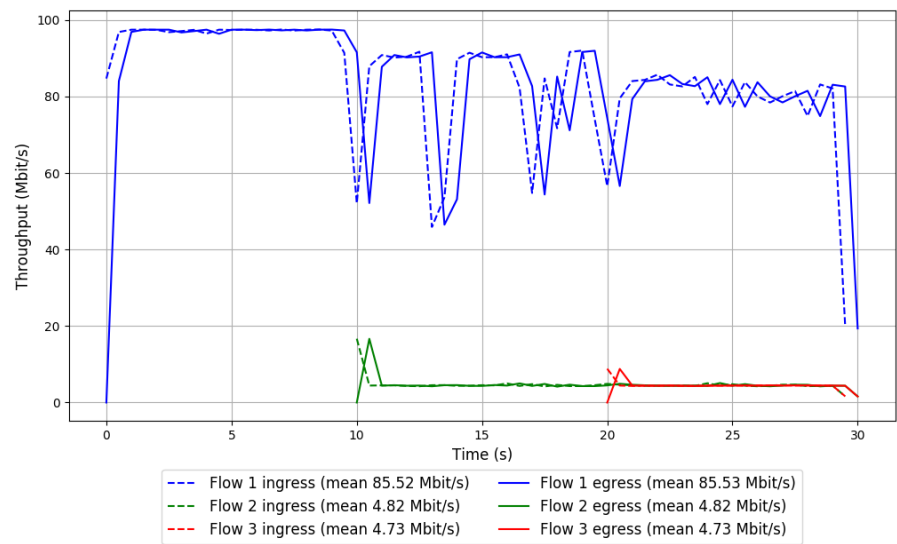
-- Flow 3:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 2.881 ms

Loss rate: 0.05%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 12:51:10

End at: 2019-07-18 12:51:40

Local clock offset: -3.848 ms

Remote clock offset: 0.688 ms

Below is generated by plot.py at 2019-07-18 13:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 3.387 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 72.68 Mbit/s

95th percentile per-packet one-way delay: 3.389 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.68 Mbit/s

95th percentile per-packet one-way delay: 3.187 ms

Loss rate: 0.03%

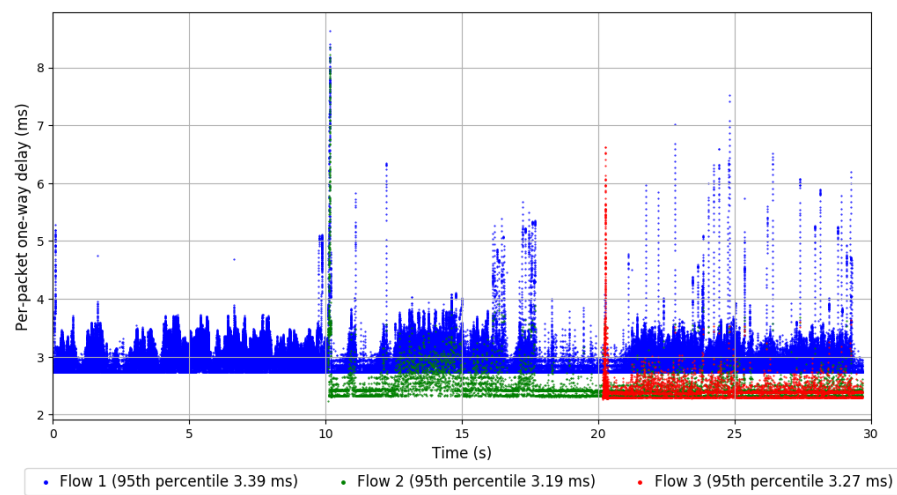
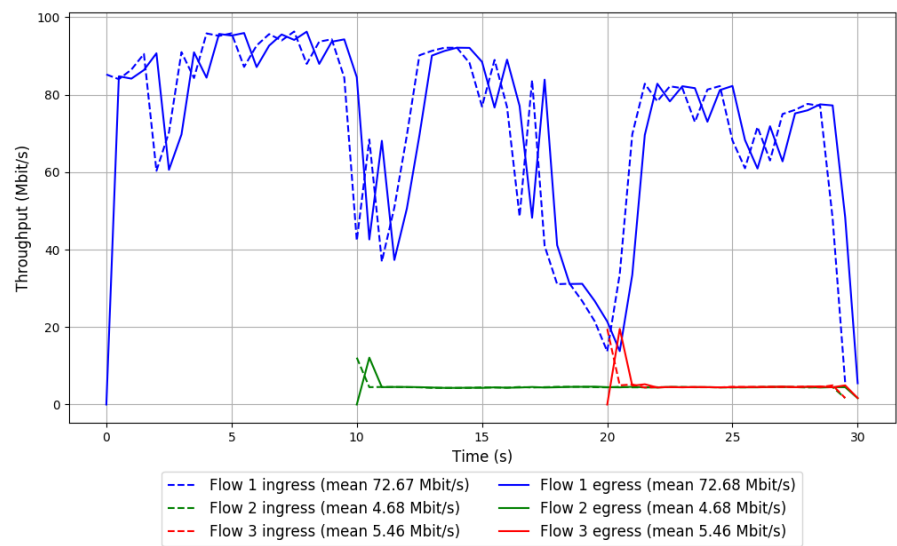
-- Flow 3:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 3.266 ms

Loss rate: 0.04%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

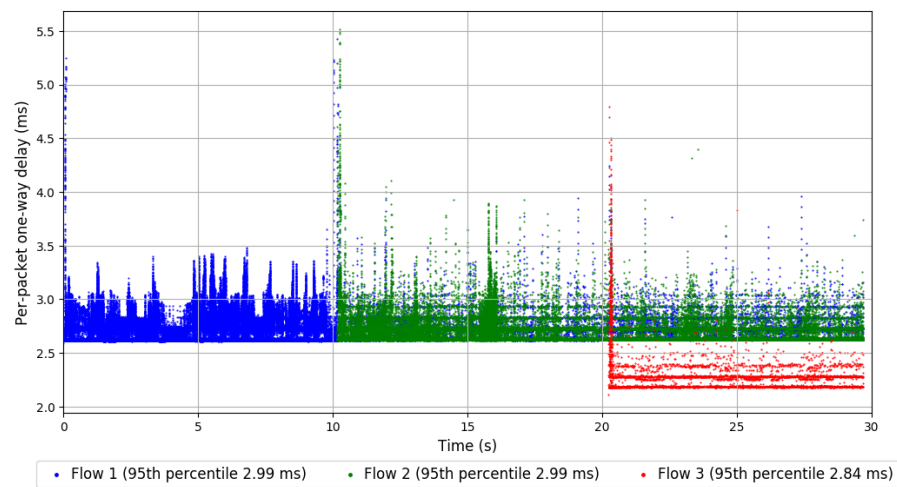
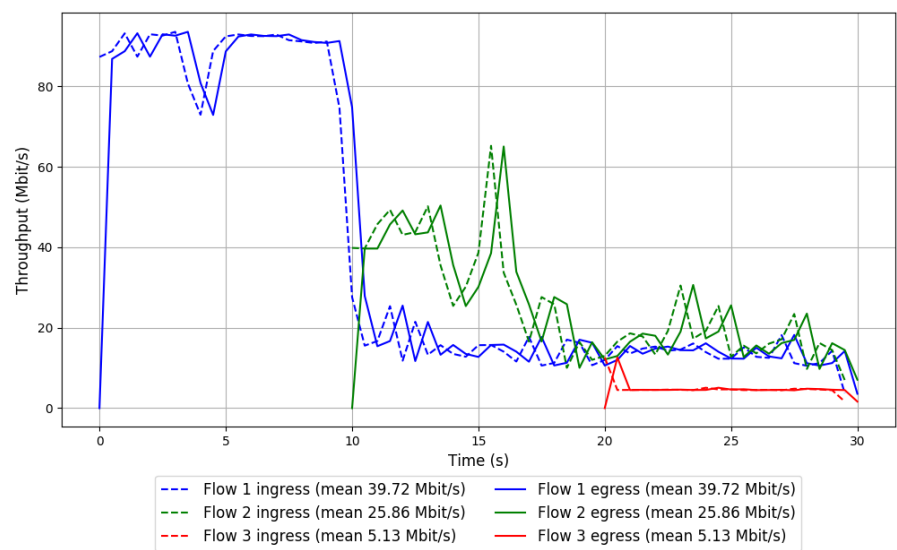


Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 10:48:07
End at: 2019-07-18 10:48:37
Local clock offset: -4.08 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2019-07-18 13:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 2.988 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 2.990 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 25.86 Mbit/s
95th percentile per-packet one-way delay: 2.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.13 Mbit/s
95th percentile per-packet one-way delay: 2.843 ms
Loss rate: 0.05%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 11:15:43

End at: 2019-07-18 11:16:13

Local clock offset: -2.864 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2019-07-18 13:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.35 Mbit/s

95th percentile per-packet one-way delay: 3.165 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 2.695 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 2.711 ms

Loss rate: 0.02%

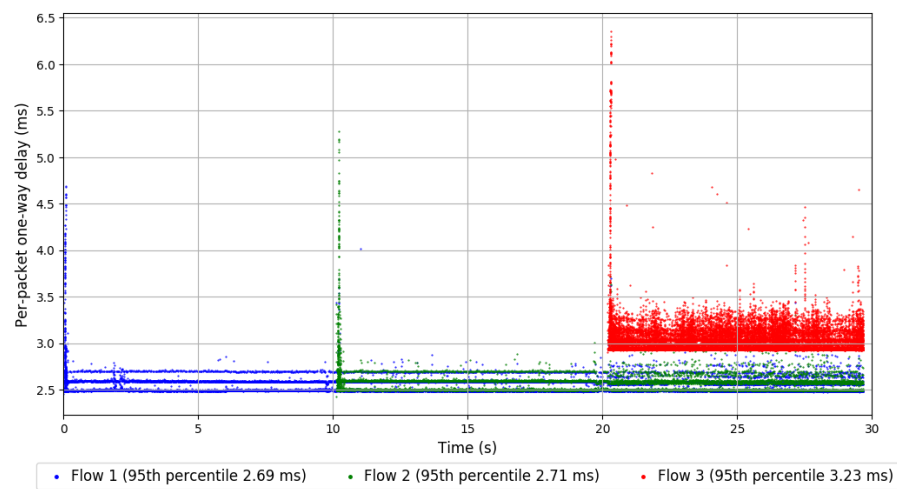
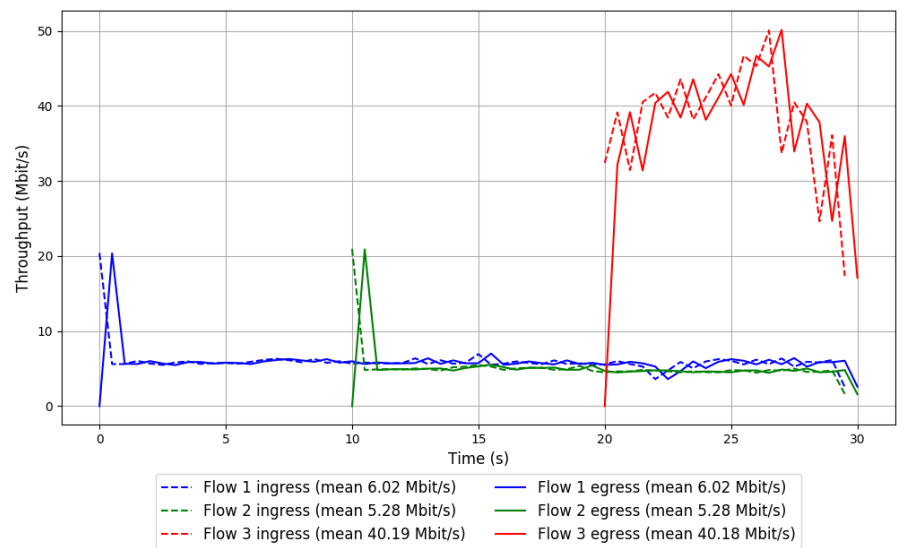
-- Flow 3:

Average throughput: 40.18 Mbit/s

95th percentile per-packet one-way delay: 3.233 ms

Loss rate: 0.07%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 11:43:15

End at: 2019-07-18 11:43:45

Local clock offset: -2.371 ms

Remote clock offset: 0.31 ms

Below is generated by plot.py at 2019-07-18 13:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 3.150 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 6.23 Mbit/s

95th percentile per-packet one-way delay: 2.686 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 2.725 ms

Loss rate: 0.01%

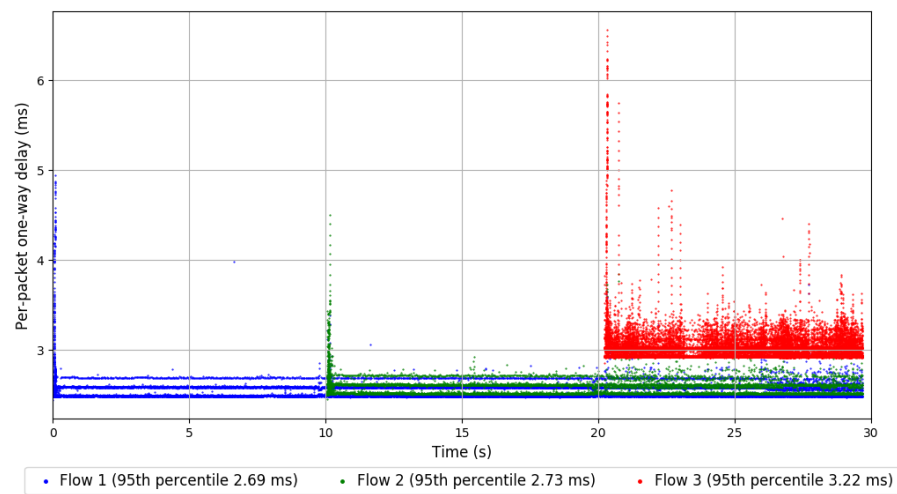
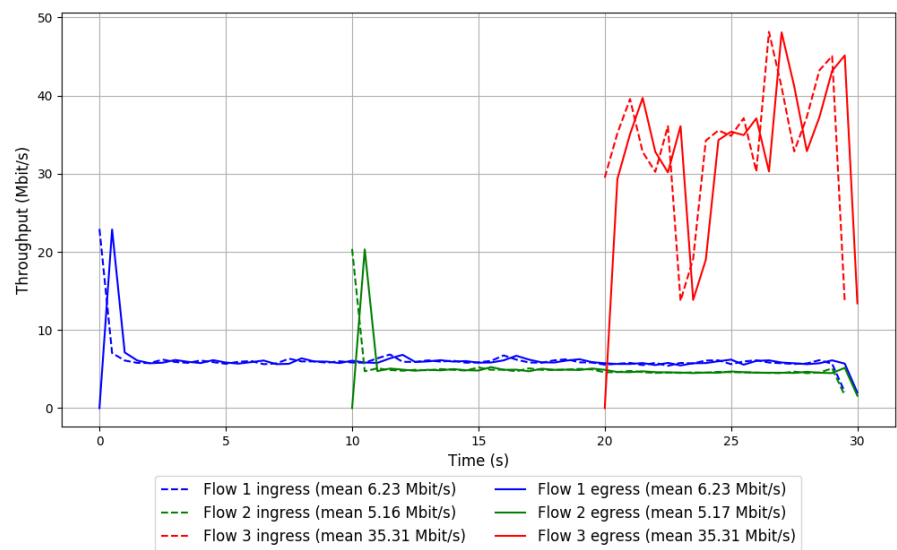
-- Flow 3:

Average throughput: 35.31 Mbit/s

95th percentile per-packet one-way delay: 3.223 ms

Loss rate: 0.05%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 12:10:48

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

Local clock offset: -4.112 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2019-07-18 13:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.49 Mbit/s

95th percentile per-packet one-way delay: 2.405 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 2.402 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 2.380 ms

Loss rate: 0.03%

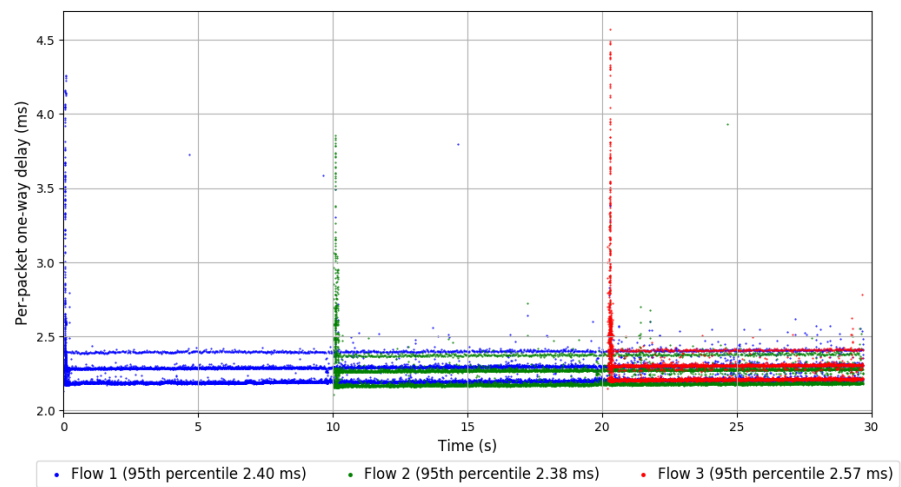
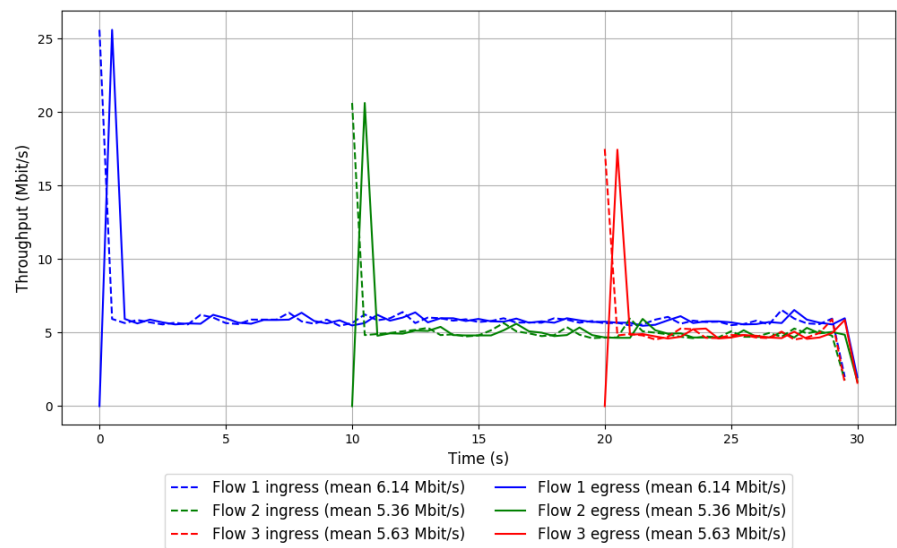
-- Flow 3:

Average throughput: 5.63 Mbit/s

95th percentile per-packet one-way delay: 2.574 ms

Loss rate: 0.04%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 12:38:25

End at: 2019-07-18 12:38:55

Local clock offset: -3.814 ms

Remote clock offset: 0.699 ms

Below is generated by plot.py at 2019-07-18 13:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.03 Mbit/s

95th percentile per-packet one-way delay: 3.135 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 40.22 Mbit/s

95th percentile per-packet one-way delay: 3.087 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 19.91 Mbit/s

95th percentile per-packet one-way delay: 3.267 ms

Loss rate: 0.01%

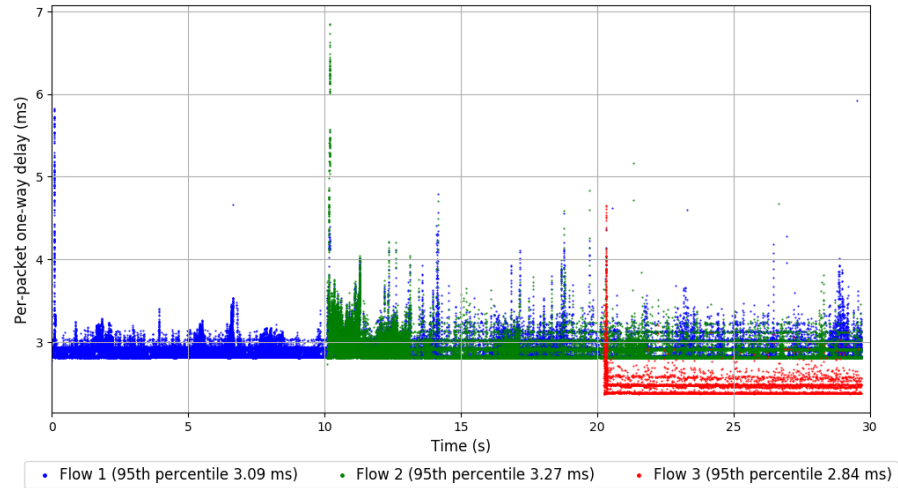
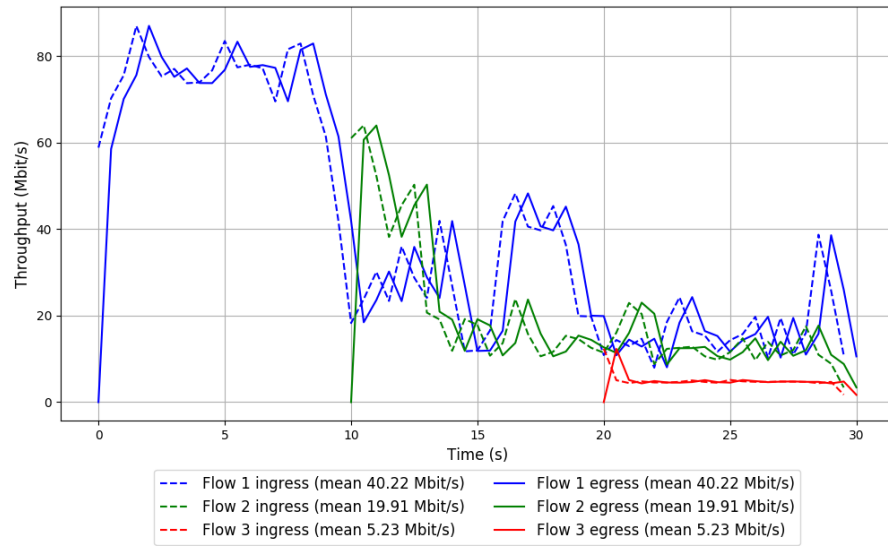
-- Flow 3:

Average throughput: 5.23 Mbit/s

95th percentile per-packet one-way delay: 2.841 ms

Loss rate: 0.05%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

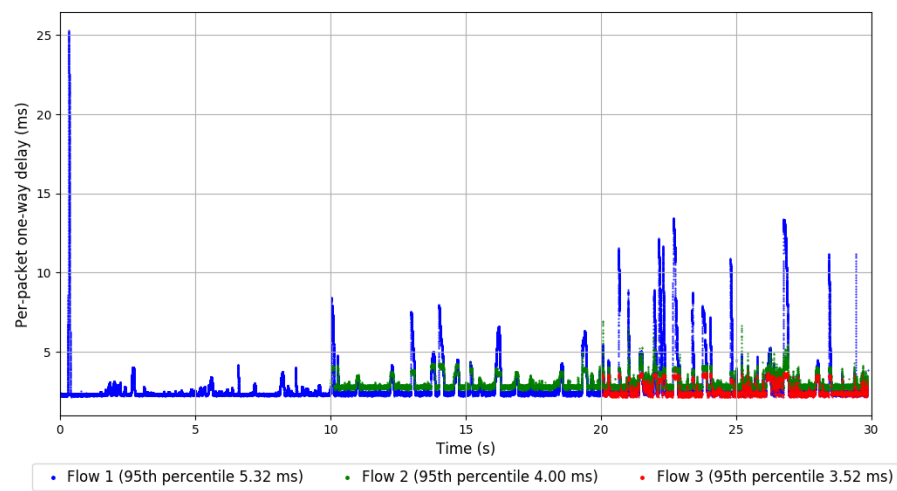
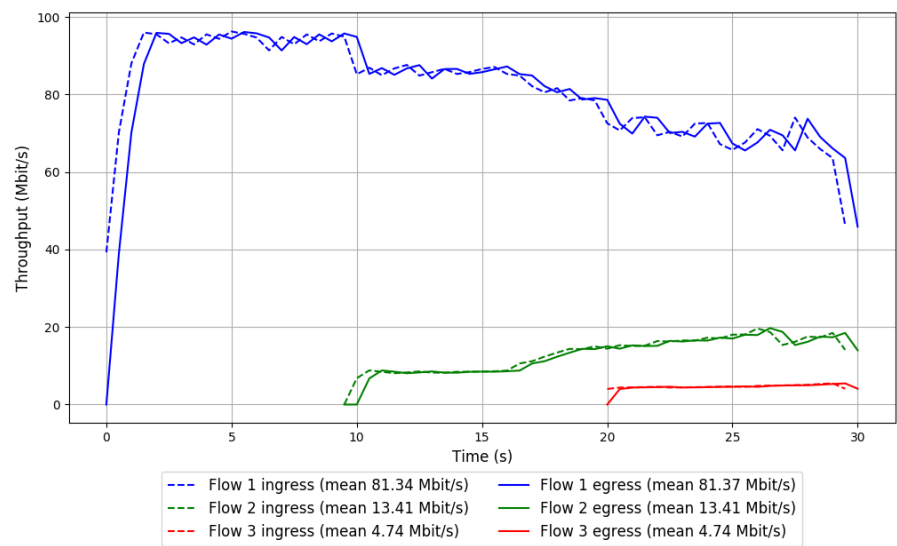


Run 1: Statistics of PCC-Allegro

Start at: 2019-07-18 10:43:32
End at: 2019-07-18 10:44:02
Local clock offset: -3.921 ms
Remote clock offset: -0.304 ms

Below is generated by plot.py at 2019-07-18 13:07:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.85 Mbit/s
95th percentile per-packet one-way delay: 4.941 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 5.324 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 13.41 Mbit/s
95th percentile per-packet one-way delay: 4.004 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 3.523 ms
Loss rate: 0.05%

Run 1: Report of PCC-Allegro — Data Link

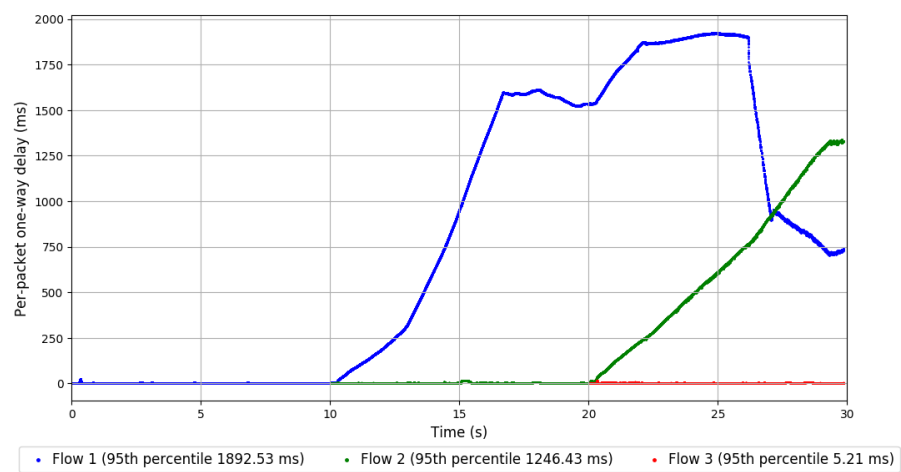
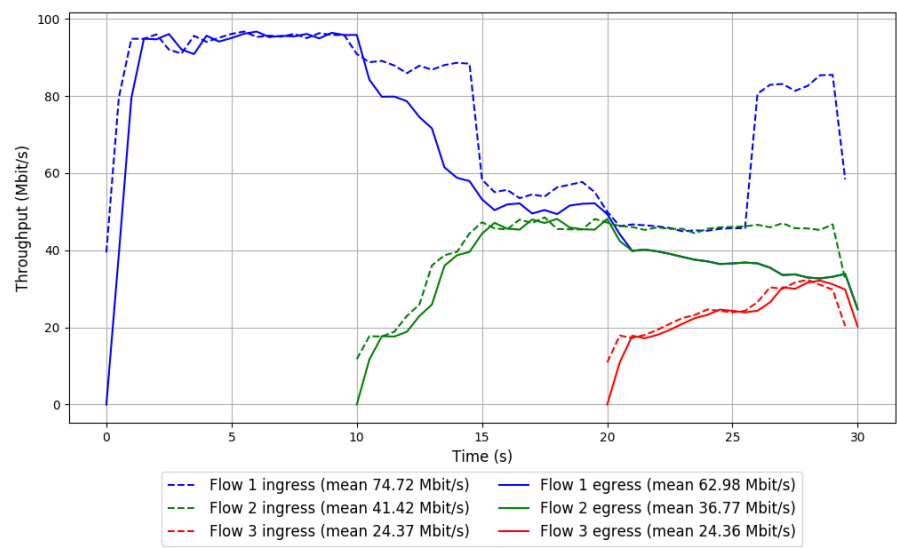


Run 2: Statistics of PCC-Allegro

Start at: 2019-07-18 11:11:06
End at: 2019-07-18 11:11:36
Local clock offset: -3.208 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-07-18 13:07:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: 1868.243 ms
Loss rate: 13.47%
-- Flow 1:
Average throughput: 62.98 Mbit/s
95th percentile per-packet one-way delay: 1892.532 ms
Loss rate: 15.72%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 1246.434 ms
Loss rate: 11.26%
-- Flow 3:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 5.210 ms
Loss rate: 0.06%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-07-18 11:38:39

End at: 2019-07-18 11:39:09

Local clock offset: -2.465 ms

Remote clock offset: 0.374 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.89 Mbit/s

95th percentile per-packet one-way delay: 1835.031 ms

Loss rate: 4.15%

-- Flow 1:

Average throughput: 65.71 Mbit/s

95th percentile per-packet one-way delay: 2089.476 ms

Loss rate: 5.51%

-- Flow 2:

Average throughput: 23.15 Mbit/s

95th percentile per-packet one-way delay: 8.048 ms

Loss rate: 0.06%

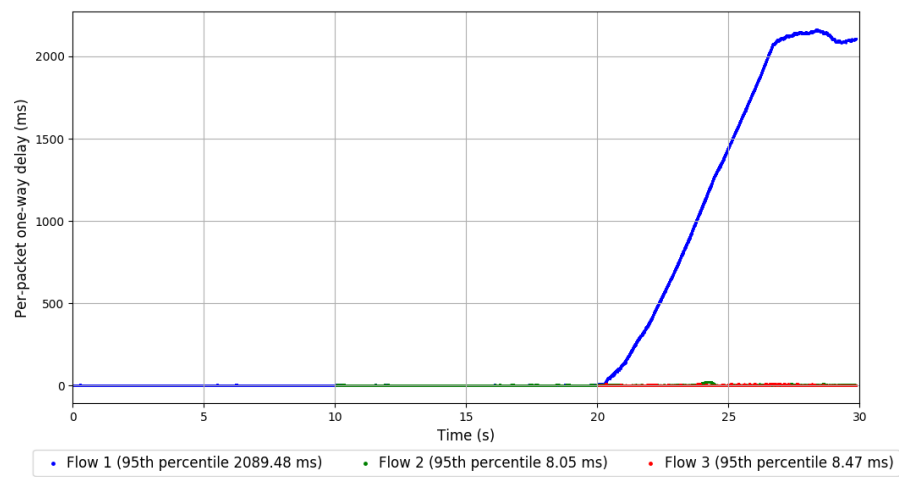
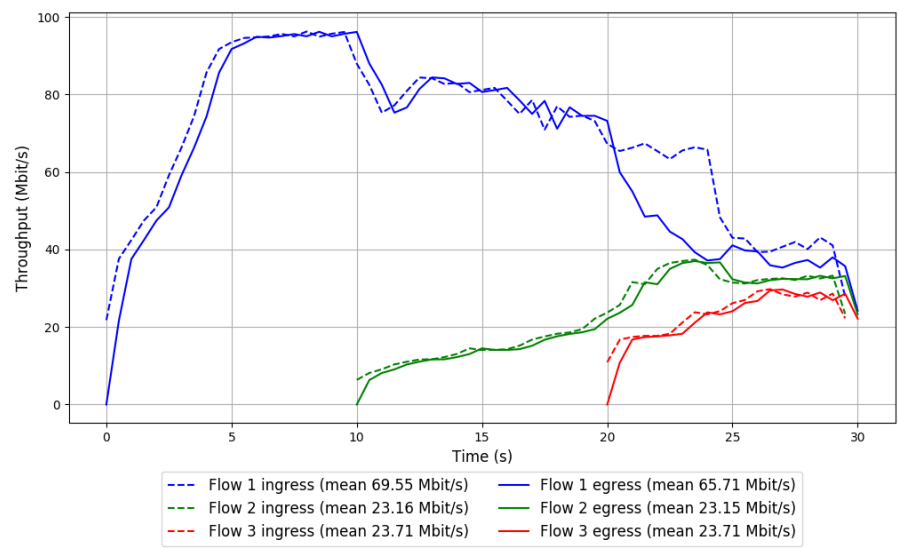
-- Flow 3:

Average throughput: 23.71 Mbit/s

95th percentile per-packet one-way delay: 8.472 ms

Loss rate: 0.07%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-07-18 12:06:11

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

Local clock offset: -3.611 ms

Remote clock offset: 0.421 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 1819.983 ms

Loss rate: 6.74%

-- Flow 1:

Average throughput: 63.27 Mbit/s

95th percentile per-packet one-way delay: 1904.035 ms

Loss rate: 9.68%

-- Flow 2:

Average throughput: 36.65 Mbit/s

95th percentile per-packet one-way delay: 120.997 ms

Loss rate: 0.51%

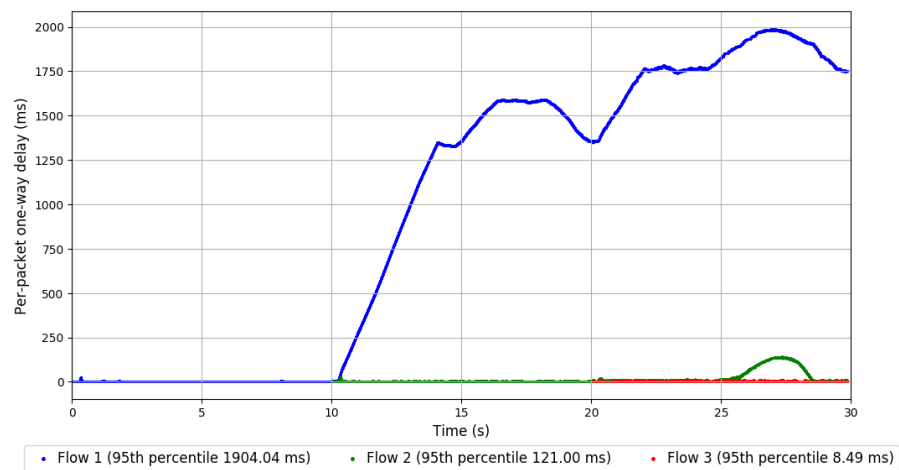
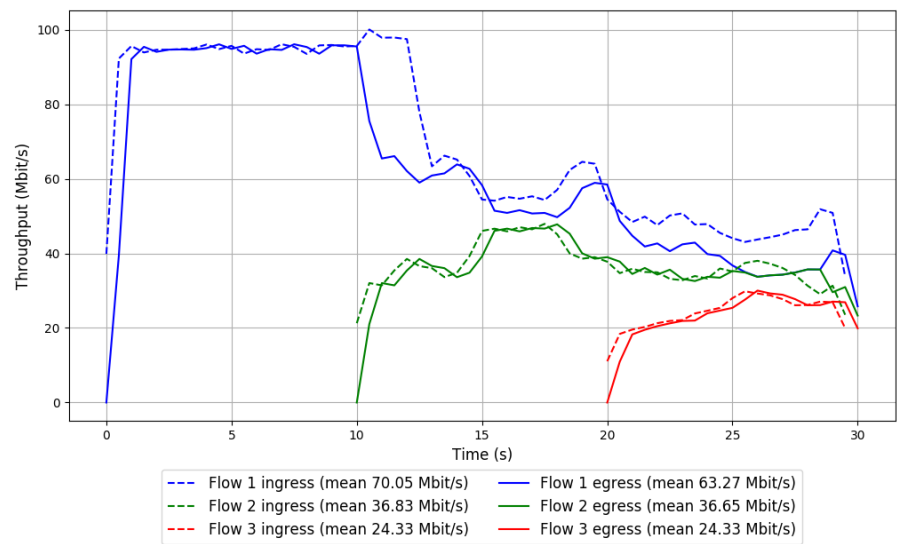
-- Flow 3:

Average throughput: 24.33 Mbit/s

95th percentile per-packet one-way delay: 8.493 ms

Loss rate: 0.06%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-07-18 12:33:48

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

Local clock offset: -3.939 ms

Remote clock offset: 0.652 ms

Below is generated by plot.py at 2019-07-18 13:07:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 1194.962 ms

Loss rate: 4.74%

-- Flow 1:

Average throughput: 65.47 Mbit/s

95th percentile per-packet one-way delay: 1378.195 ms

Loss rate: 6.50%

-- Flow 2:

Average throughput: 29.74 Mbit/s

95th percentile per-packet one-way delay: 37.320 ms

Loss rate: 0.10%

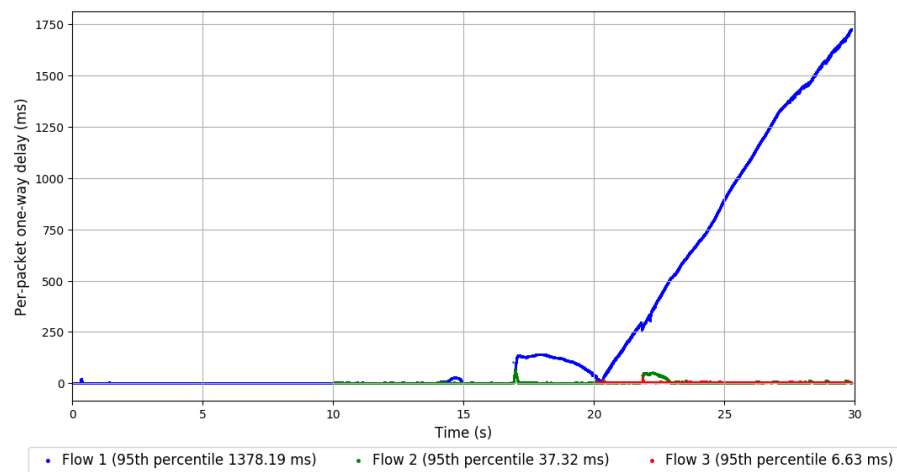
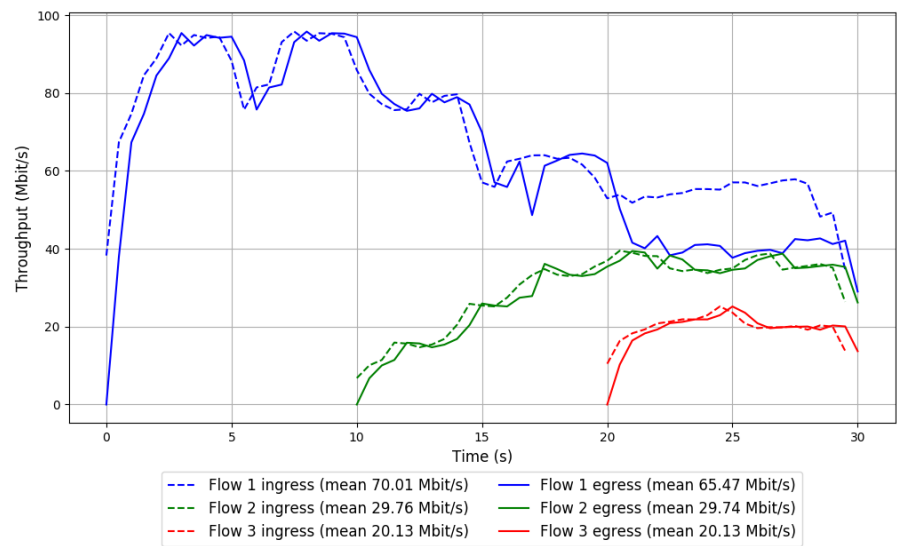
-- Flow 3:

Average throughput: 20.13 Mbit/s

95th percentile per-packet one-way delay: 6.630 ms

Loss rate: 0.05%

Run 5: Report of PCC-Allegro — Data Link

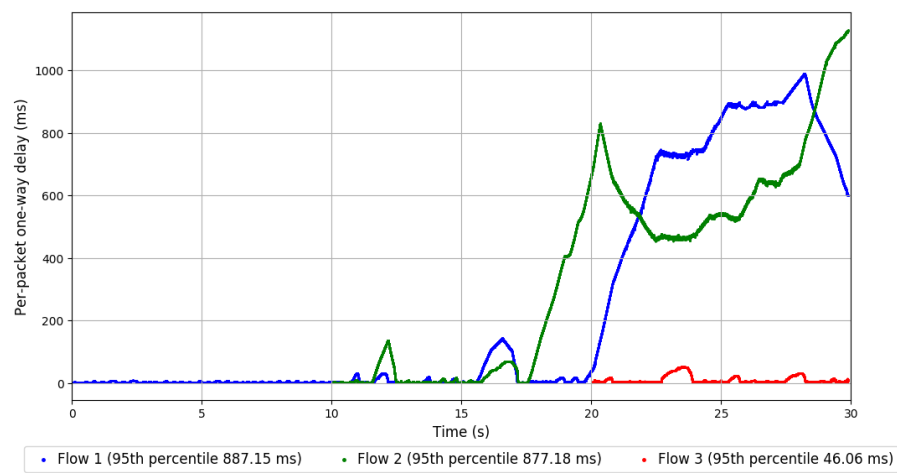
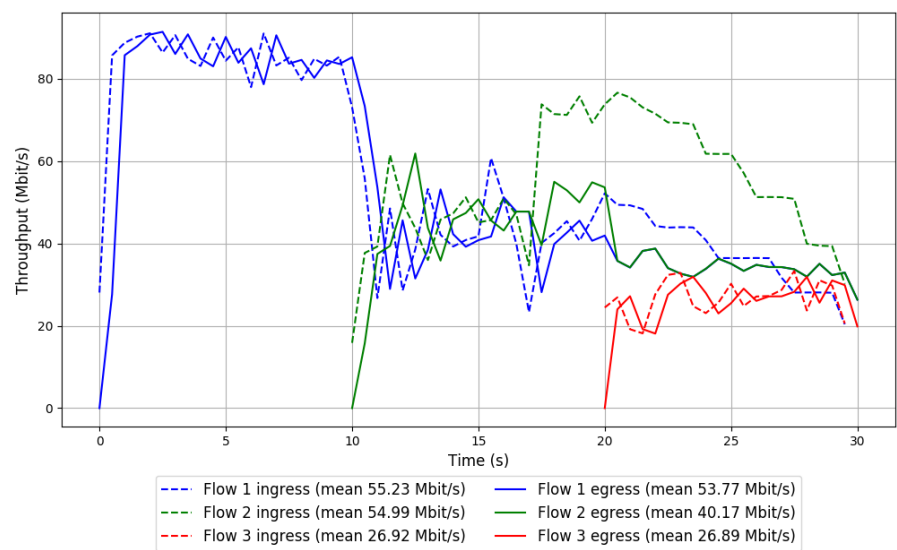


```
Run 1: Statistics of PCC-Expr

Start at: 2019-07-18 10:56:12
End at: 2019-07-18 10:56:42
Local clock offset: -3.771 ms
Remote clock offset: -0.162 ms

# Below is generated by plot.py at 2019-07-18 13:08:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 883.136 ms
Loss rate: 11.27%
-- Flow 1:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 887.155 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 877.177 ms
Loss rate: 26.97%
-- Flow 3:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 46.064 ms
Loss rate: 0.19%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-07-18 11:23:45

End at: 2019-07-18 11:24:15

Local clock offset: -2.716 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2019-07-18 13:08:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 863.231 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 56.31 Mbit/s

95th percentile per-packet one-way delay: 929.156 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 37.18 Mbit/s

95th percentile per-packet one-way delay: 812.019 ms

Loss rate: 0.52%

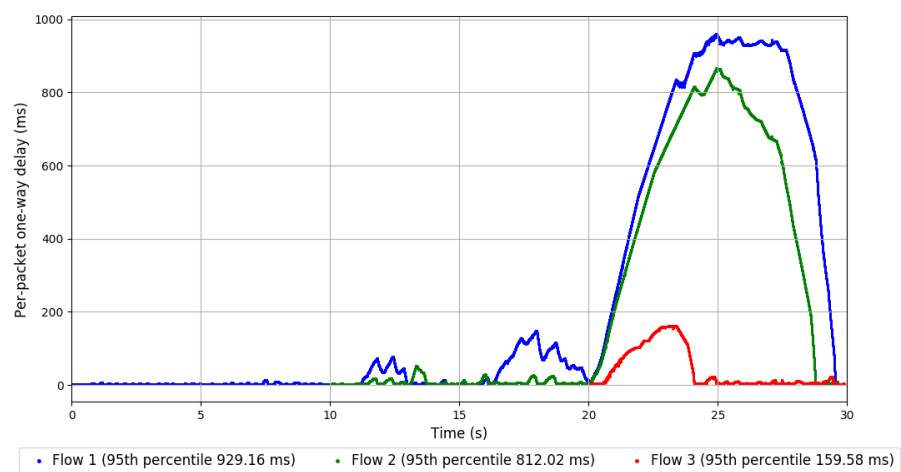
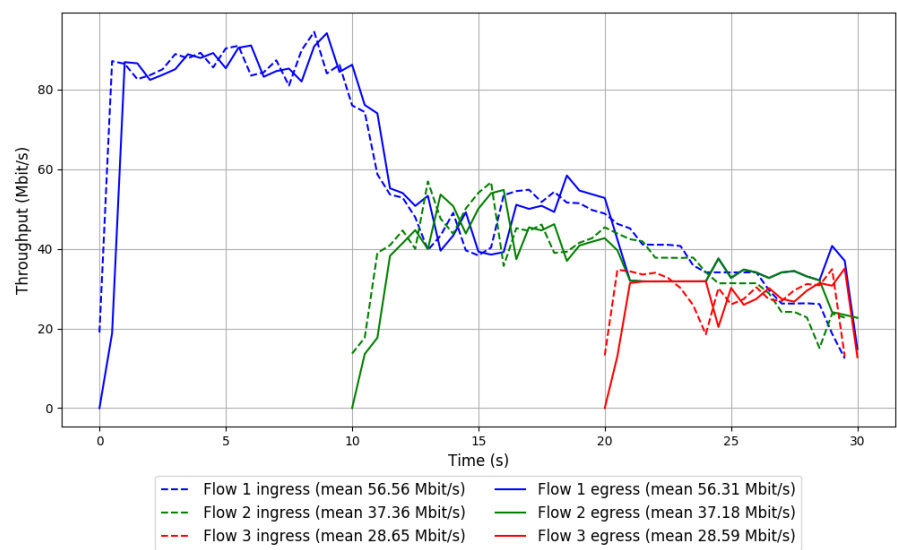
-- Flow 3:

Average throughput: 28.59 Mbit/s

95th percentile per-packet one-way delay: 159.581 ms

Loss rate: 0.26%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-07-18 11:51:16

End at: 2019-07-18 11:51:46

Local clock offset: -2.455 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2019-07-18 13:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 781.610 ms

Loss rate: 6.75%

-- Flow 1:

Average throughput: 54.81 Mbit/s

95th percentile per-packet one-way delay: 741.516 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 39.35 Mbit/s

95th percentile per-packet one-way delay: 802.364 ms

Loss rate: 16.66%

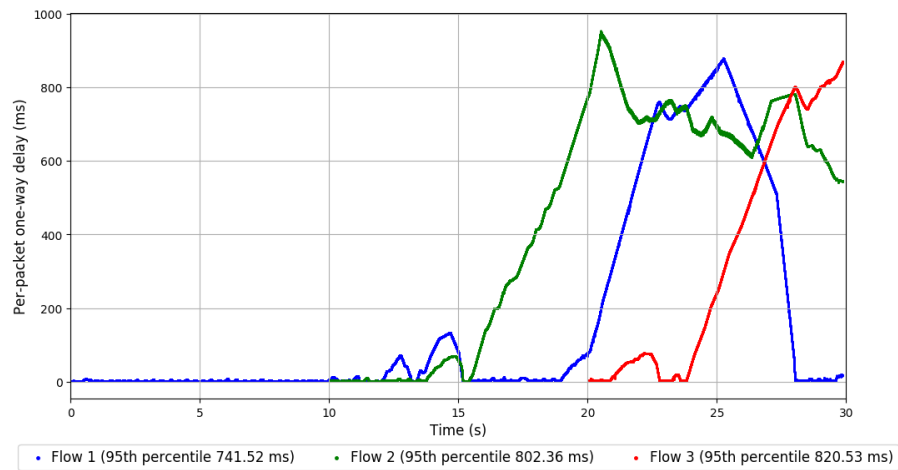
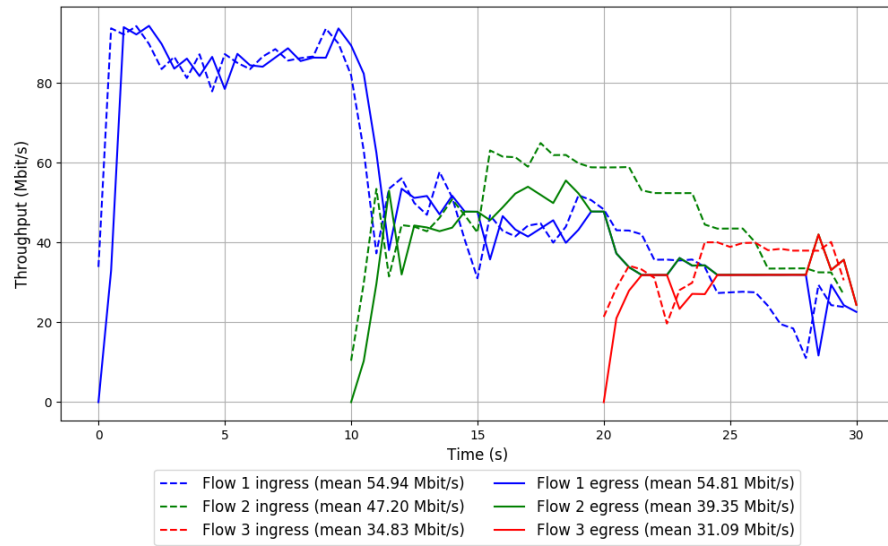
-- Flow 3:

Average throughput: 31.09 Mbit/s

95th percentile per-packet one-way delay: 820.527 ms

Loss rate: 10.78%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

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

End at: 2019-07-18 12:19:21

Local clock offset: -4.142 ms

Remote clock offset: 0.598 ms

Below is generated by plot.py at 2019-07-18 13:09:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 1142.286 ms

Loss rate: 12.57%

-- Flow 1:

Average throughput: 58.20 Mbit/s

95th percentile per-packet one-way delay: 1220.698 ms

Loss rate: 17.69%

-- Flow 2:

Average throughput: 34.44 Mbit/s

95th percentile per-packet one-way delay: 355.783 ms

Loss rate: 2.15%

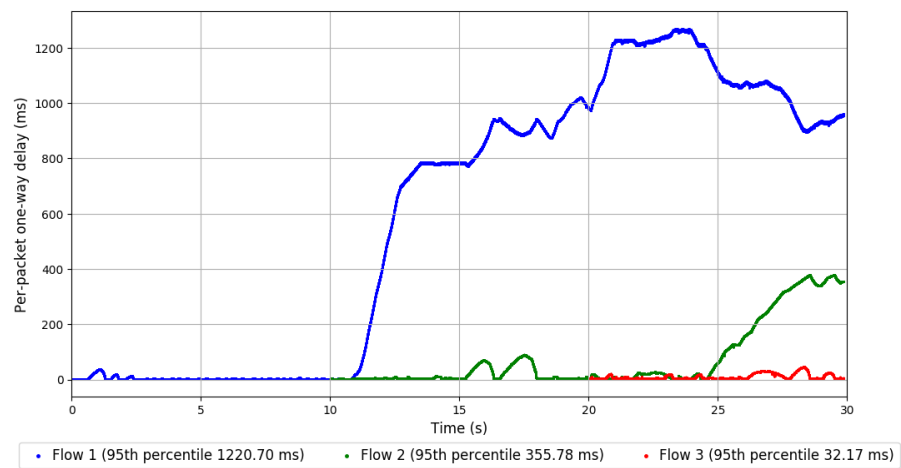
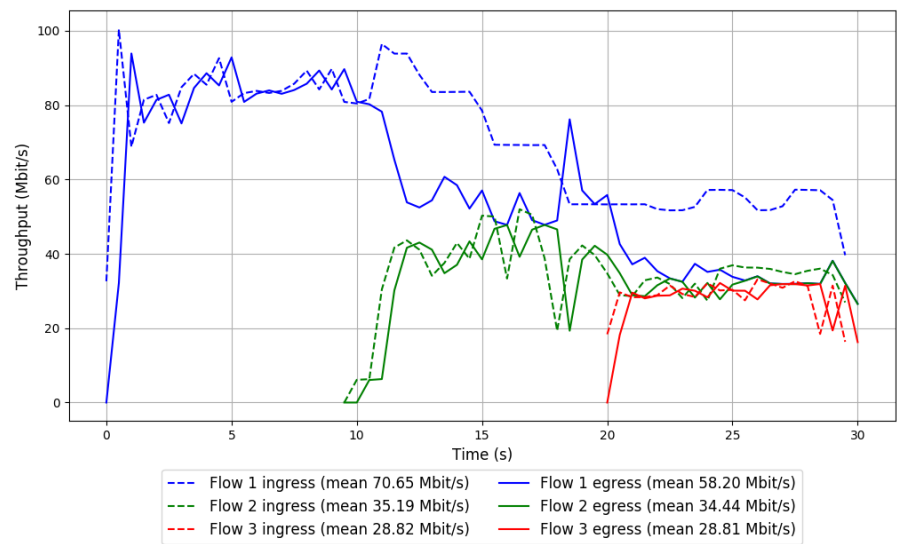
-- Flow 3:

Average throughput: 28.81 Mbit/s

95th percentile per-packet one-way delay: 32.174 ms

Loss rate: 0.14%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-07-18 12:46:29

End at: 2019-07-18 12:46:59

Local clock offset: -3.989 ms

Remote clock offset: 0.552 ms

Below is generated by plot.py at 2019-07-18 13:09:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 1032.150 ms

Loss rate: 9.47%

-- Flow 1:

Average throughput: 50.00 Mbit/s

95th percentile per-packet one-way delay: 70.831 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 43.29 Mbit/s

95th percentile per-packet one-way delay: 1099.777 ms

Loss rate: 24.16%

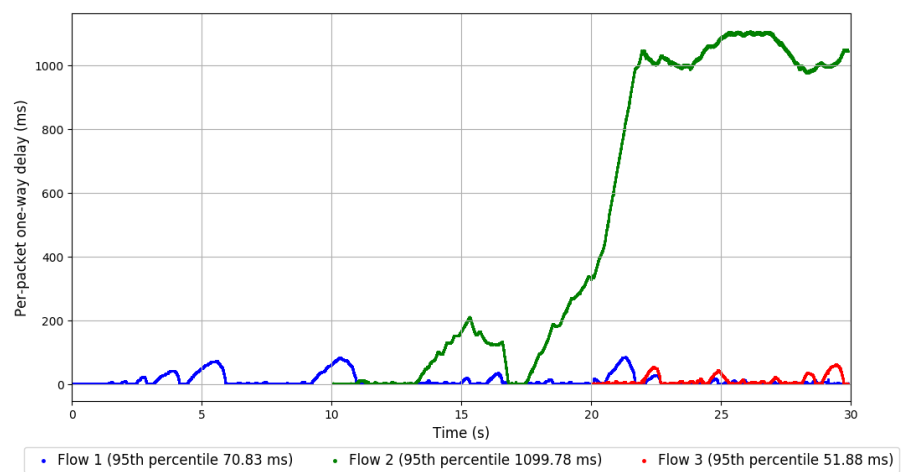
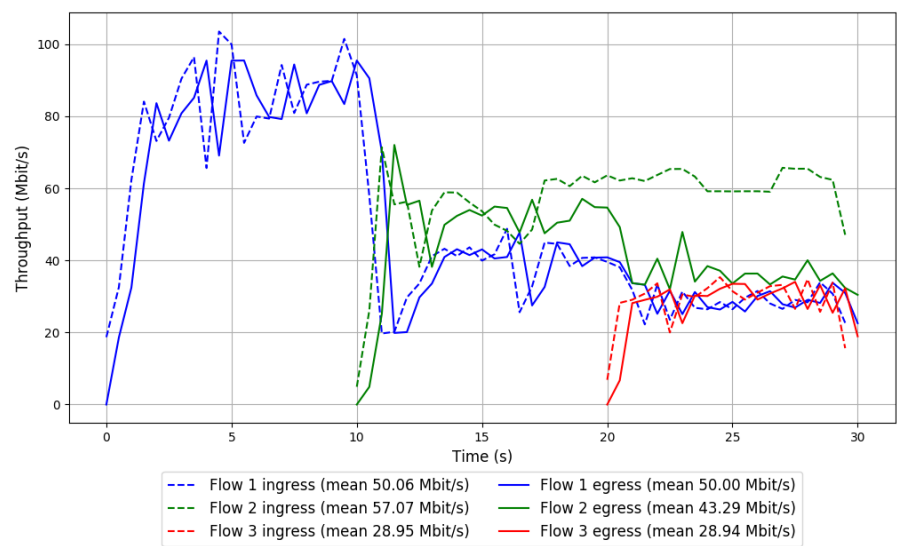
-- Flow 3:

Average throughput: 28.94 Mbit/s

95th percentile per-packet one-way delay: 51.877 ms

Loss rate: 0.09%

Run 5: Report of PCC-Expr — Data Link

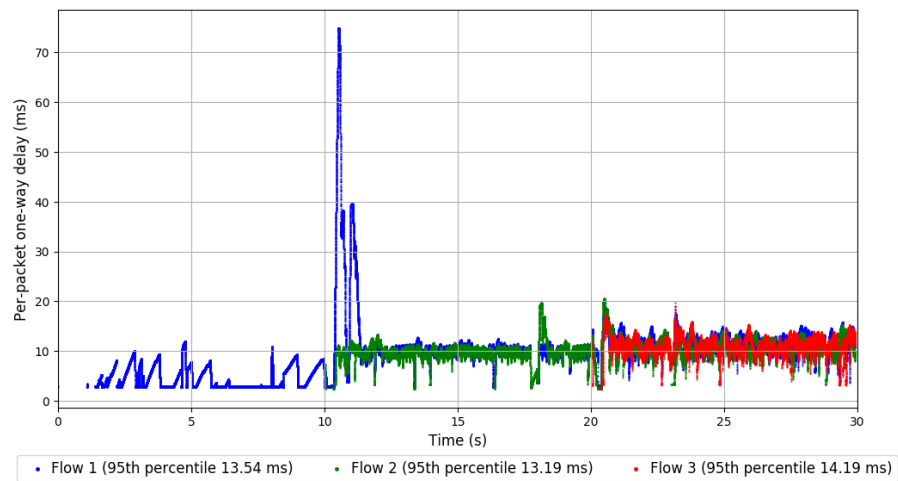
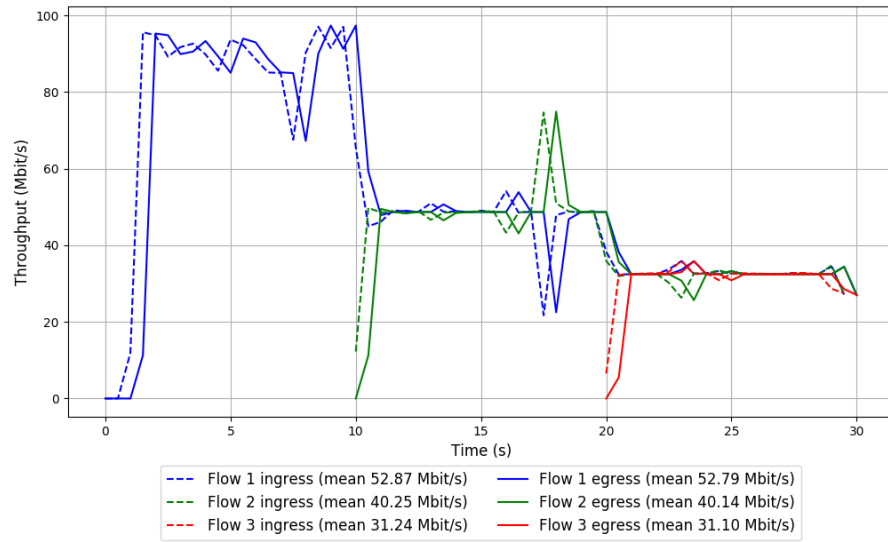


Run 1: Statistics of QUIC Cubic

Start at: 2019-07-18 10:53:55
End at: 2019-07-18 10:54:25
Local clock offset: -3.909 ms
Remote clock offset: -0.276 ms

Below is generated by plot.py at 2019-07-18 13:09:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 13.583 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 52.79 Mbit/s
95th percentile per-packet one-way delay: 13.542 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 40.14 Mbit/s
95th percentile per-packet one-way delay: 13.192 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 14.189 ms
Loss rate: 0.49%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-07-18 11:21:30

End at: 2019-07-18 11:22:00

Local clock offset: -2.971 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2019-07-18 13:09:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.03 Mbit/s

95th percentile per-packet one-way delay: 13.254 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 55.19 Mbit/s

95th percentile per-packet one-way delay: 13.200 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 39.93 Mbit/s

95th percentile per-packet one-way delay: 13.041 ms

Loss rate: 0.30%

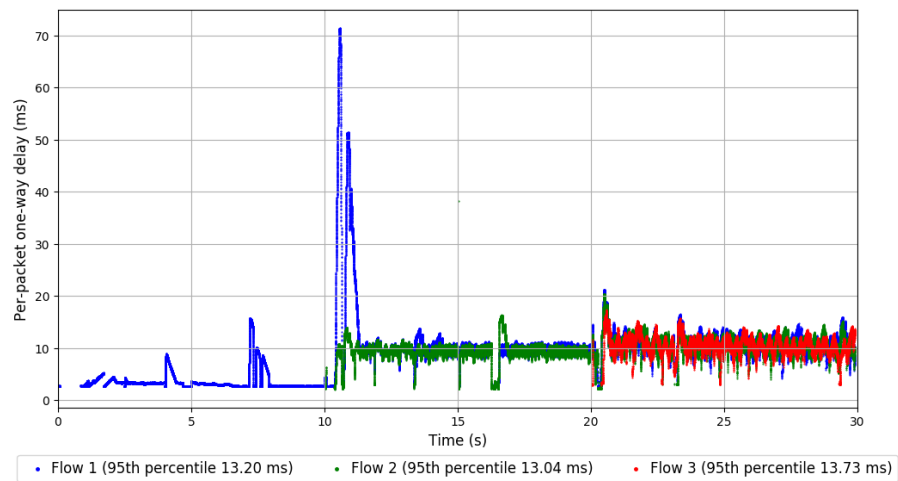
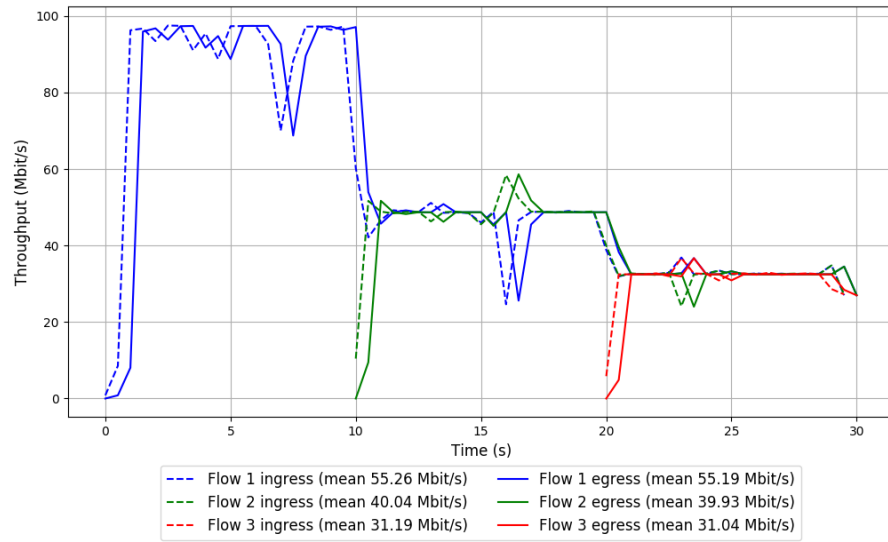
-- Flow 3:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 13.732 ms

Loss rate: 0.49%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-07-18 11:49:01

End at: 2019-07-18 11:49:31

Local clock offset: -2.323 ms

Remote clock offset: 0.422 ms

Below is generated by plot.py at 2019-07-18 13:09:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 13.520 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 54.19 Mbit/s

95th percentile per-packet one-way delay: 13.416 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 40.19 Mbit/s

95th percentile per-packet one-way delay: 13.545 ms

Loss rate: 0.28%

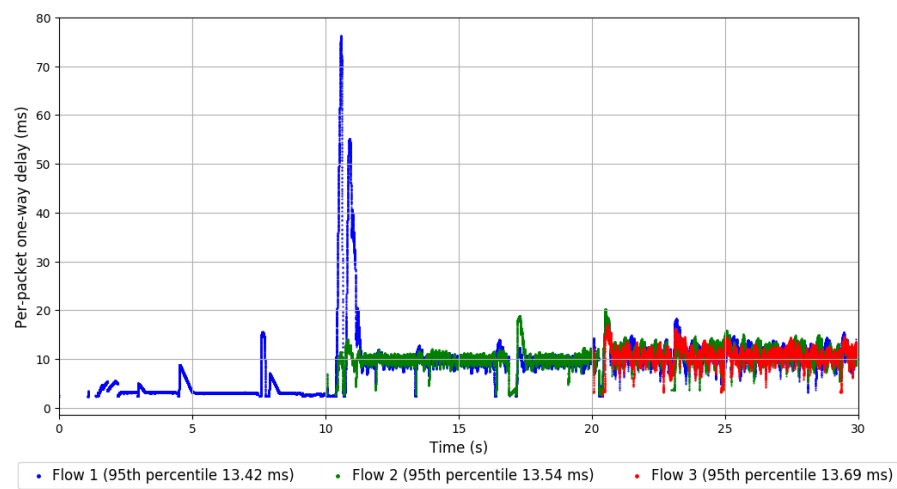
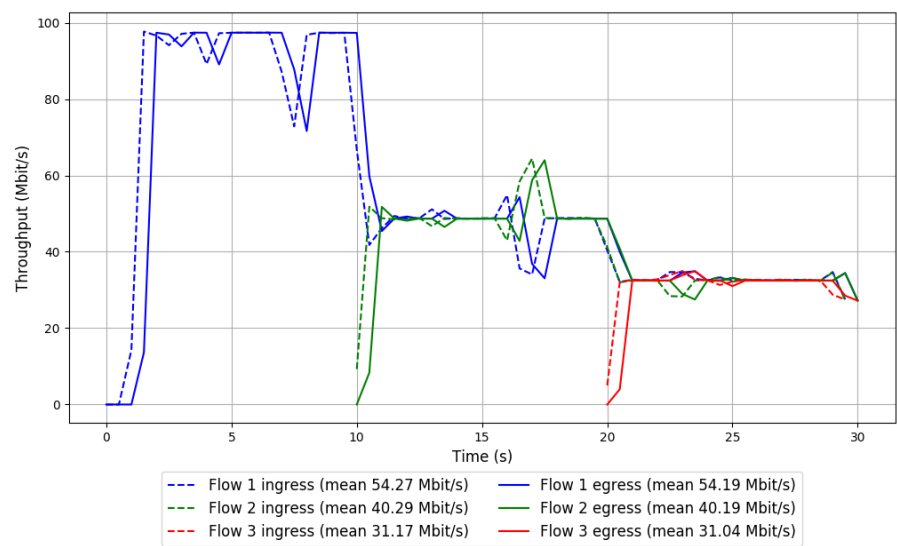
-- Flow 3:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 13.686 ms

Loss rate: 0.49%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-07-18 12:16:34

End at: 2019-07-18 12:17:04

Local clock offset: -4.308 ms

Remote clock offset: 0.628 ms

Below is generated by plot.py at 2019-07-18 13:09:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 13.208 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 55.44 Mbit/s

95th percentile per-packet one-way delay: 12.589 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 40.05 Mbit/s

95th percentile per-packet one-way delay: 13.269 ms

Loss rate: 0.29%

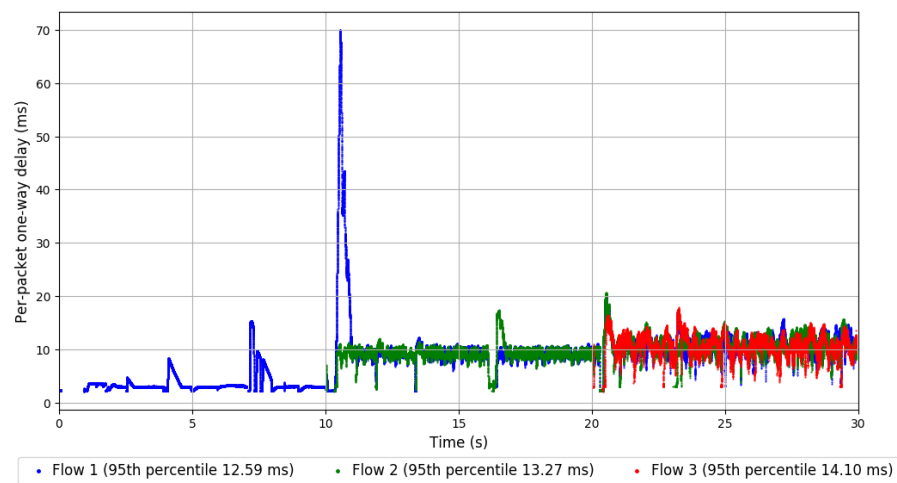
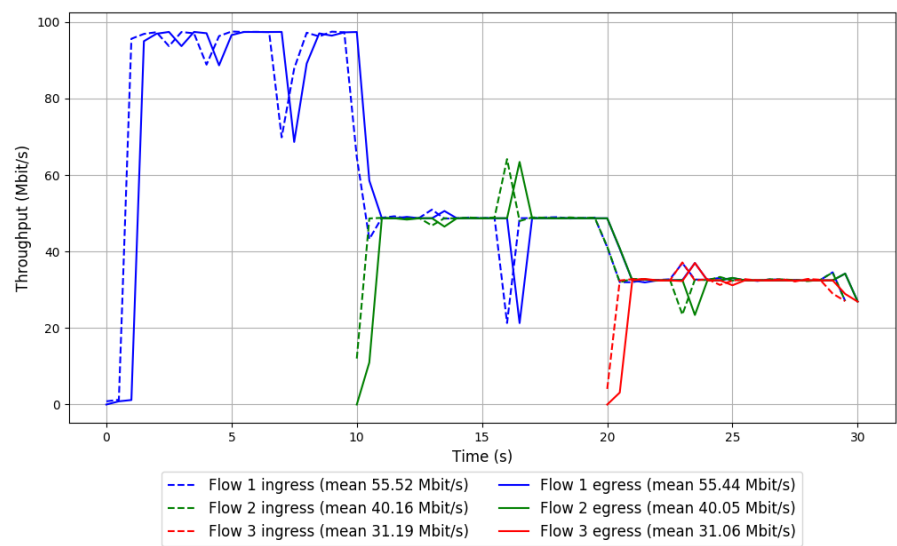
-- Flow 3:

Average throughput: 31.06 Mbit/s

95th percentile per-packet one-way delay: 14.095 ms

Loss rate: 0.45%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

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

End at: 2019-07-18 12:44:42

Local clock offset: -3.986 ms

Remote clock offset: 0.653 ms

Below is generated by plot.py at 2019-07-18 13:09:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.79 Mbit/s

95th percentile per-packet one-way delay: 13.475 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 53.91 Mbit/s

95th percentile per-packet one-way delay: 13.397 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 39.99 Mbit/s

95th percentile per-packet one-way delay: 12.985 ms

Loss rate: 0.29%

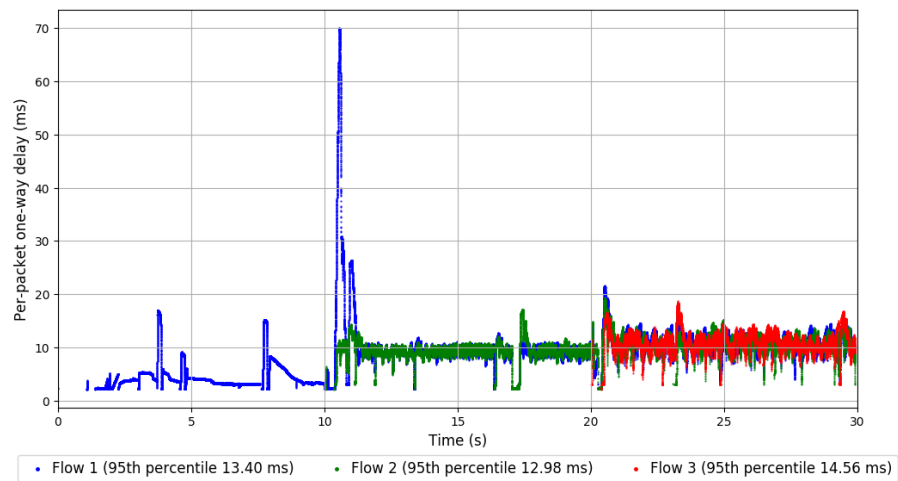
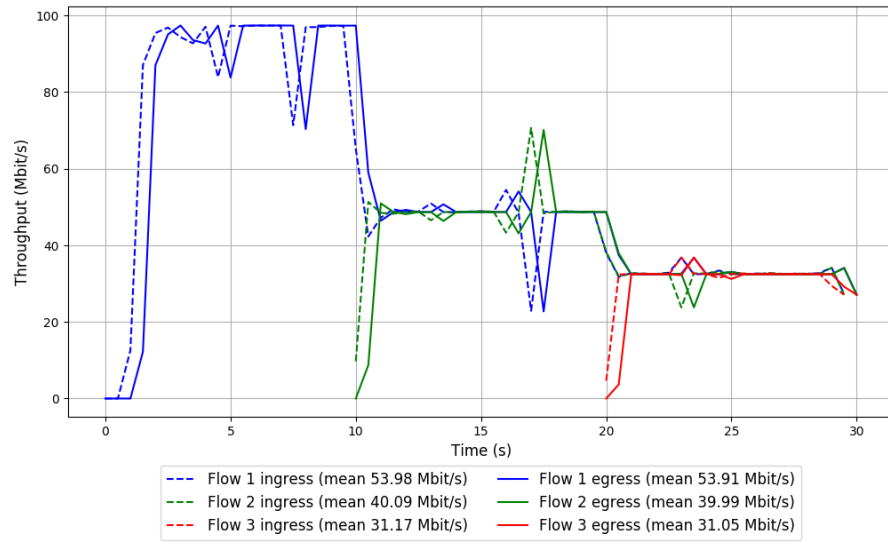
-- Flow 3:

Average throughput: 31.05 Mbit/s

95th percentile per-packet one-way delay: 14.562 ms

Loss rate: 0.45%

Run 5: Report of QUIC Cubic — Data Link

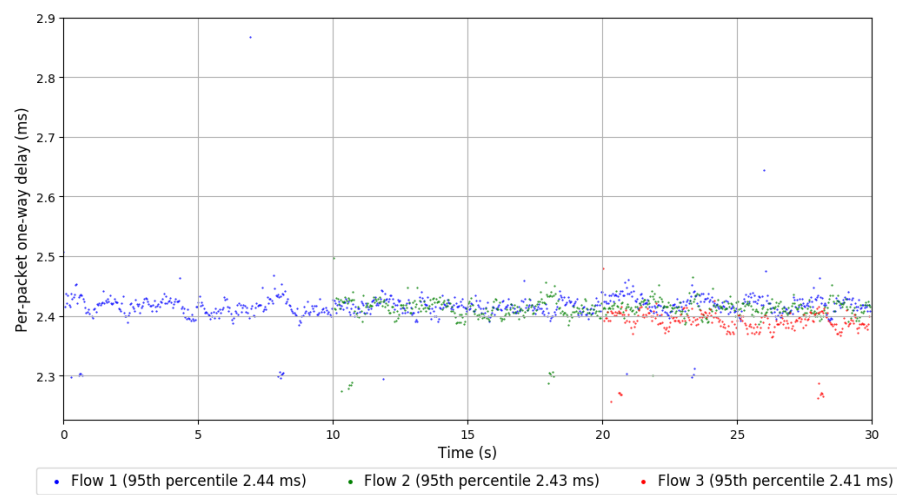
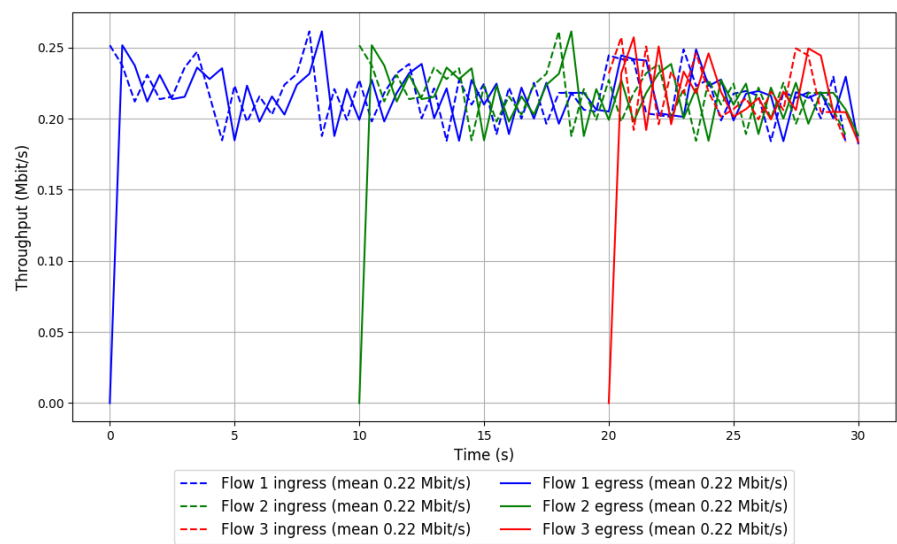


Run 1: Statistics of SReAM

Start at: 2019-07-18 10:44:40
End at: 2019-07-18 10:45:10
Local clock offset: -3.879 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2019-07-18 13:09:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.438 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.412 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

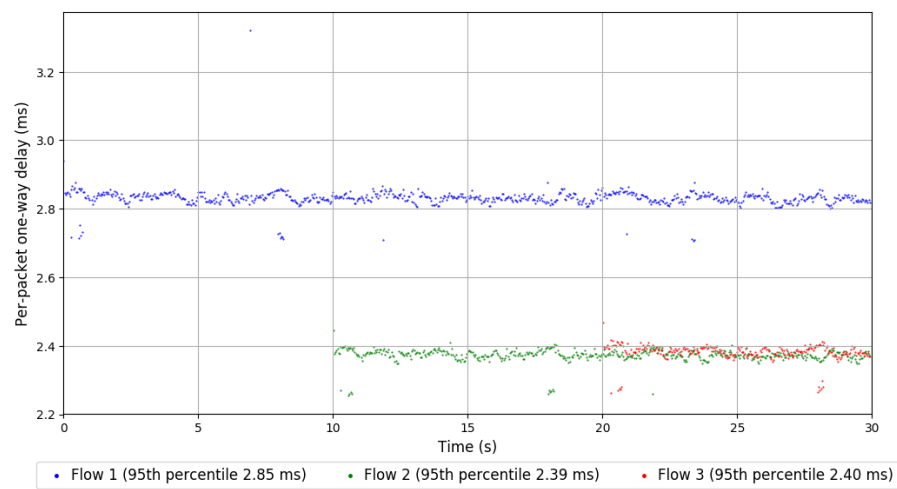
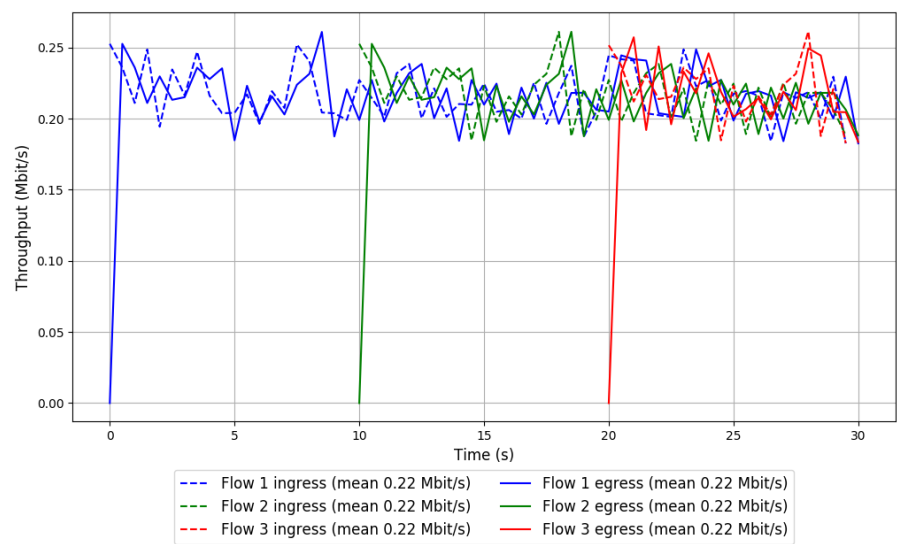


Run 2: Statistics of SReAM

Start at: 2019-07-18 11:12:15
End at: 2019-07-18 11:12:45
Local clock offset: -3.031 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-07-18 13:09:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.849 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.854 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.404 ms
Loss rate: 0.35%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2019-07-18 11:39:47

End at: 2019-07-18 11:40:17

Local clock offset: -2.642 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2019-07-18 13:09:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 2.667 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.672 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.248 ms

Loss rate: 0.00%

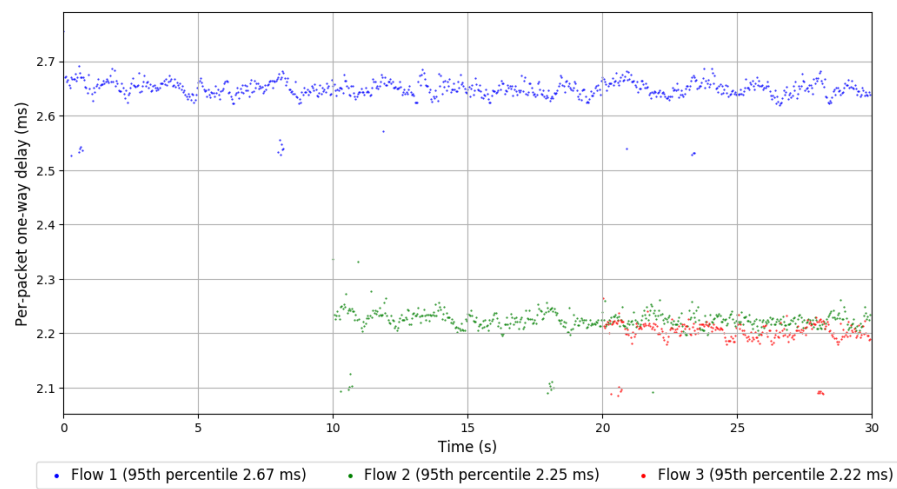
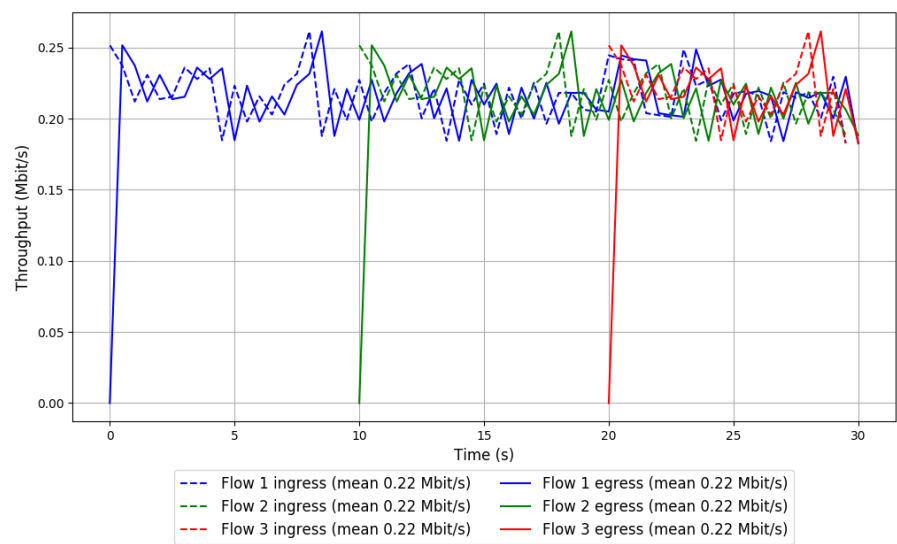
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.223 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

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

End at: 2019-07-18 12:07:50

Local clock offset: -3.758 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2019-07-18 13:09:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.940 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.491 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.947 ms

Loss rate: 0.00%

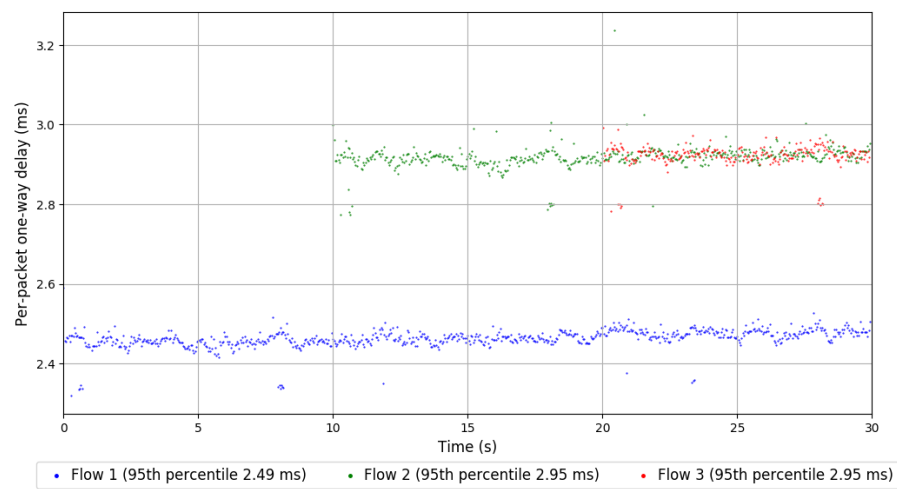
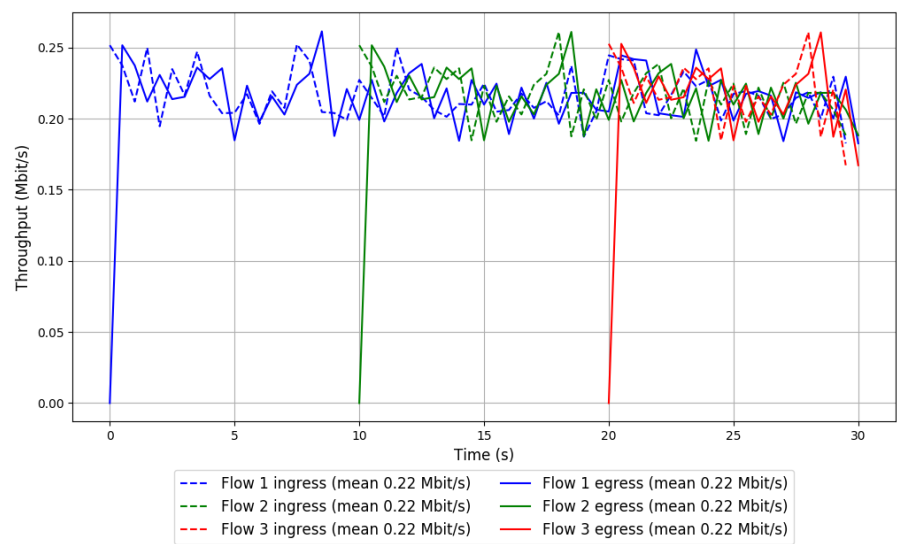
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.954 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-07-18 12:34:57

End at: 2019-07-18 12:35:27

Local clock offset: -3.938 ms

Remote clock offset: 0.622 ms

Below is generated by plot.py at 2019-07-18 13:09:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 2.381 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.384 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.378 ms

Loss rate: 0.00%

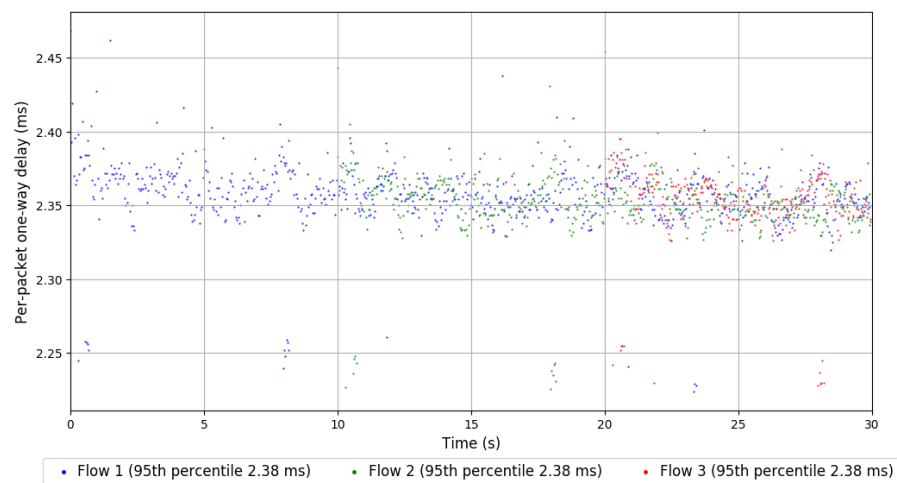
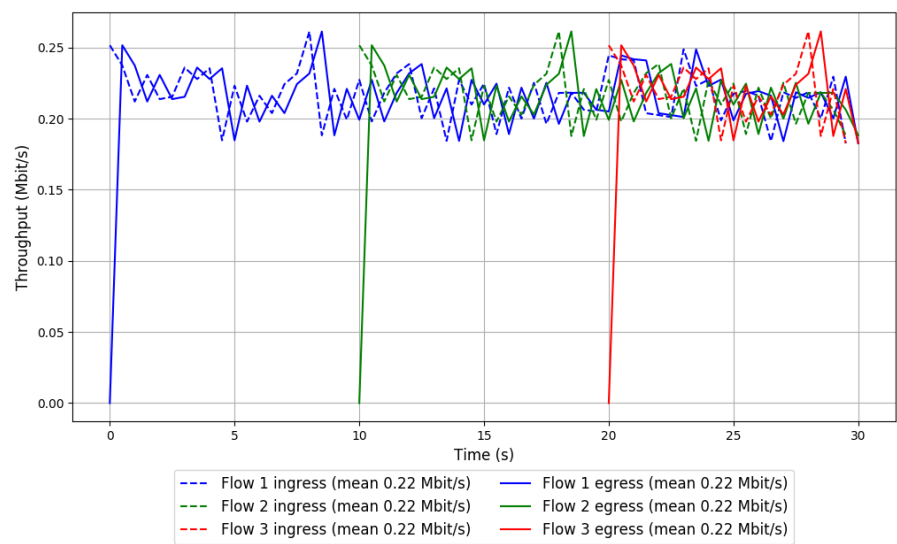
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.379 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

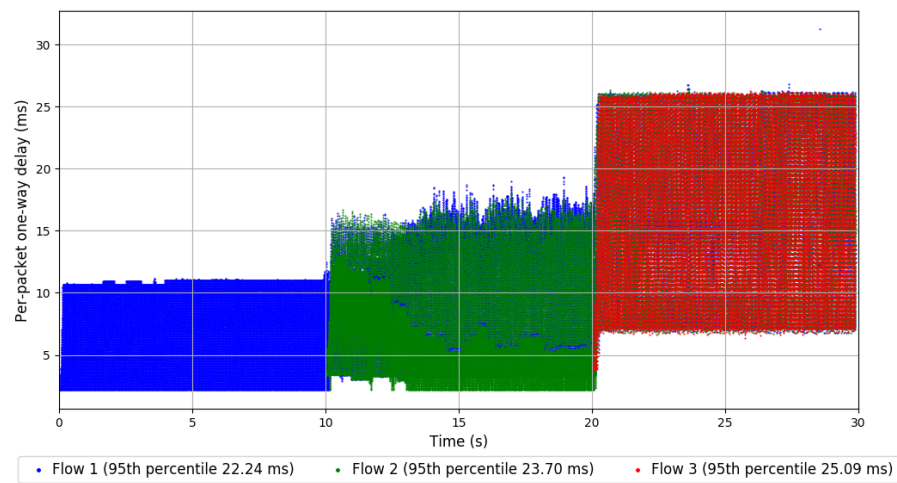
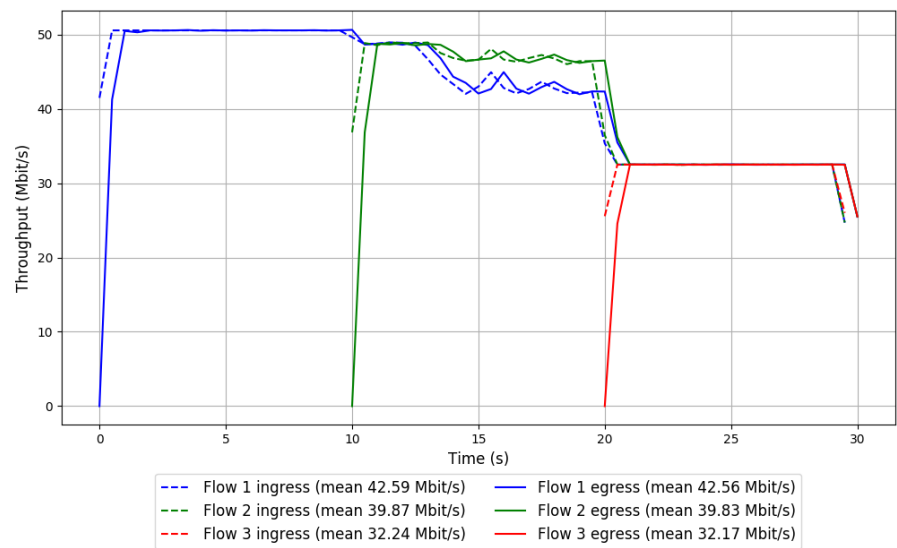


Run 1: Statistics of Sprout

Start at: 2019-07-18 10:40:08
End at: 2019-07-18 10:40:38
Local clock offset: -4.065 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2019-07-18 13:09:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.66 Mbit/s
95th percentile per-packet one-way delay: 23.678 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.56 Mbit/s
95th percentile per-packet one-way delay: 22.239 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 23.700 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 32.17 Mbit/s
95th percentile per-packet one-way delay: 25.095 ms
Loss rate: 0.23%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

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

End at: 2019-07-18 11:08:12

Local clock offset: -3.381 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2019-07-18 13:09:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 23.587 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 43.50 Mbit/s

95th percentile per-packet one-way delay: 22.069 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 39.04 Mbit/s

95th percentile per-packet one-way delay: 23.642 ms

Loss rate: 0.07%

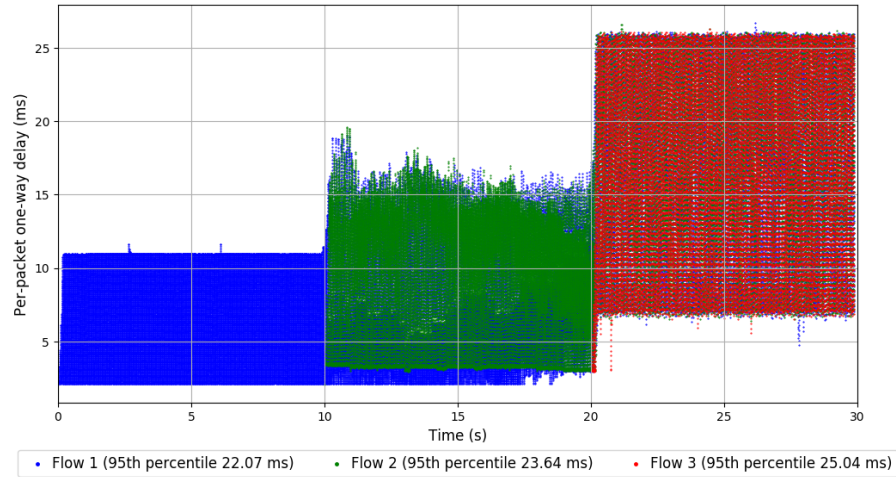
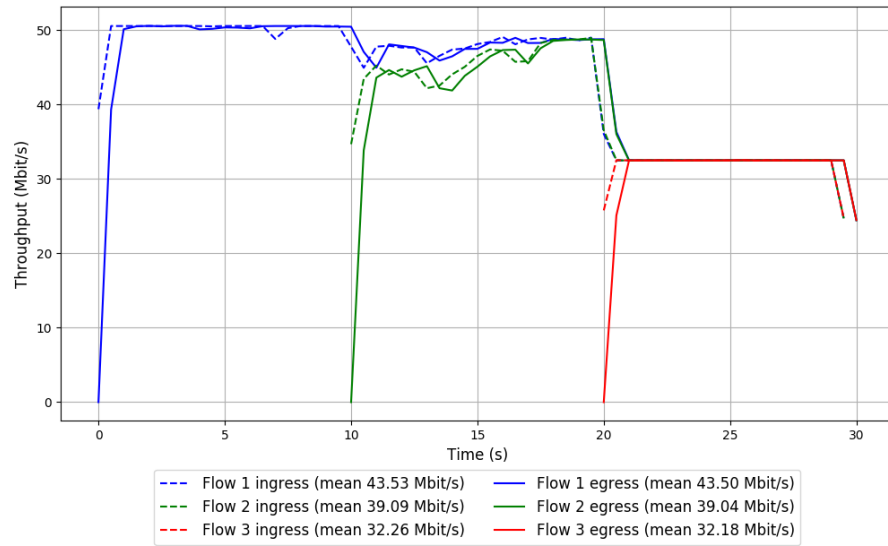
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 25.042 ms

Loss rate: 0.15%

Run 2: Report of Sprout — Data Link

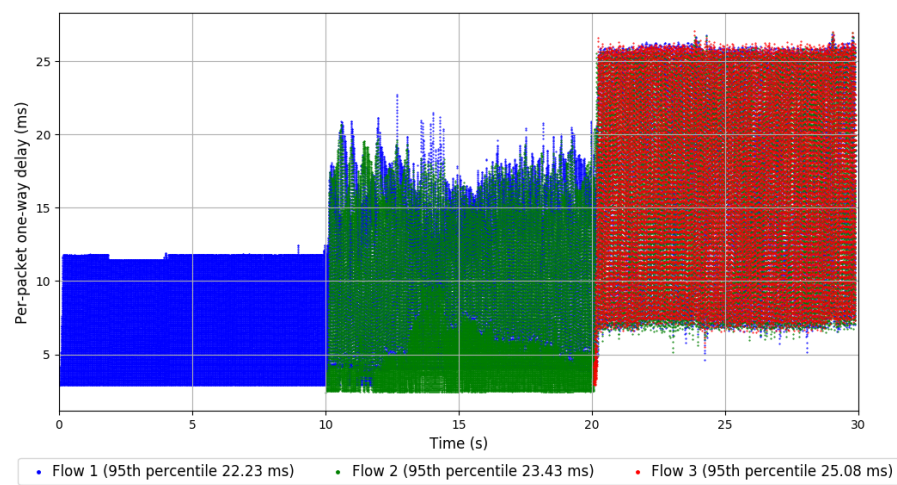
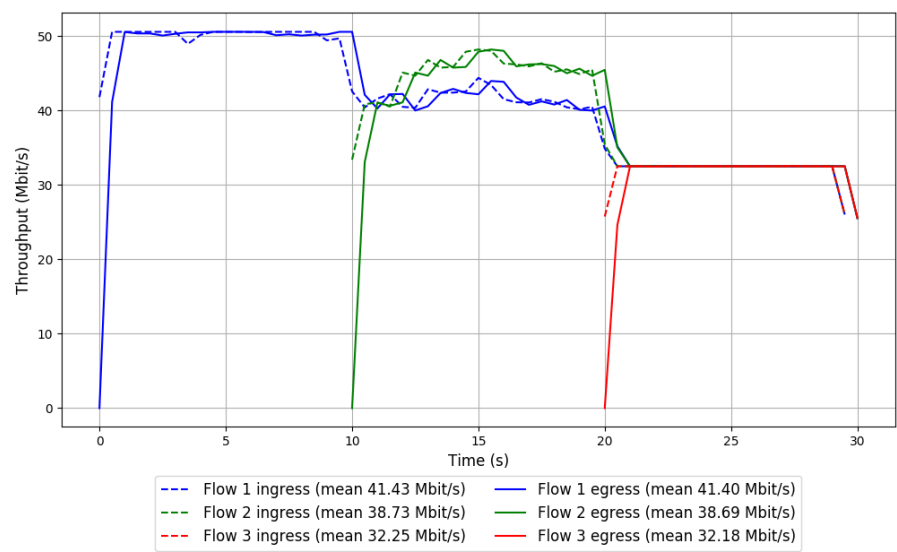


Run 3: Statistics of Sprout

Start at: 2019-07-18 11:35:15
End at: 2019-07-18 11:35:45
Local clock offset: -2.475 ms
Remote clock offset: 0.284 ms

Below is generated by plot.py at 2019-07-18 13:09:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.75 Mbit/s
95th percentile per-packet one-way delay: 23.577 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 41.40 Mbit/s
95th percentile per-packet one-way delay: 22.225 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.69 Mbit/s
95th percentile per-packet one-way delay: 23.433 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 25.084 ms
Loss rate: 0.25%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-07-18 12:02:47

End at: 2019-07-18 12:03:17

Local clock offset: -3.334 ms

Remote clock offset: 0.571 ms

Below is generated by plot.py at 2019-07-18 13:09:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 23.667 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 41.70 Mbit/s

95th percentile per-packet one-way delay: 22.297 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 39.13 Mbit/s

95th percentile per-packet one-way delay: 23.979 ms

Loss rate: 0.08%

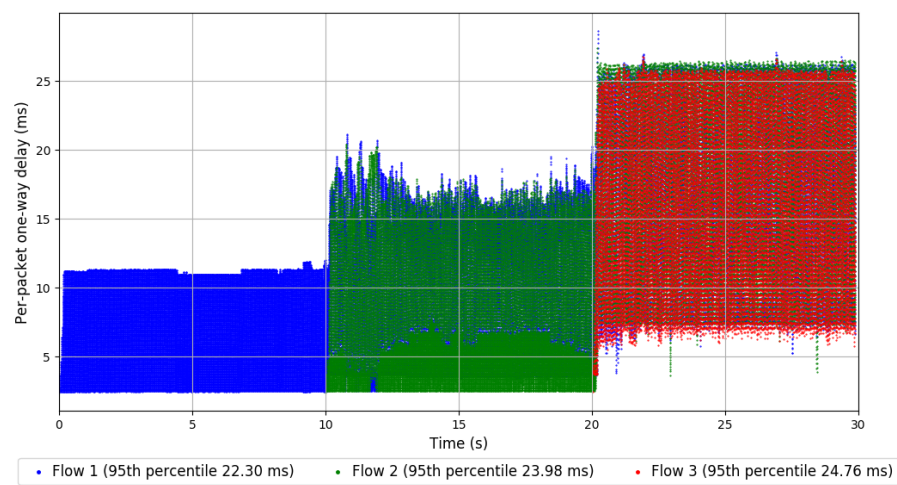
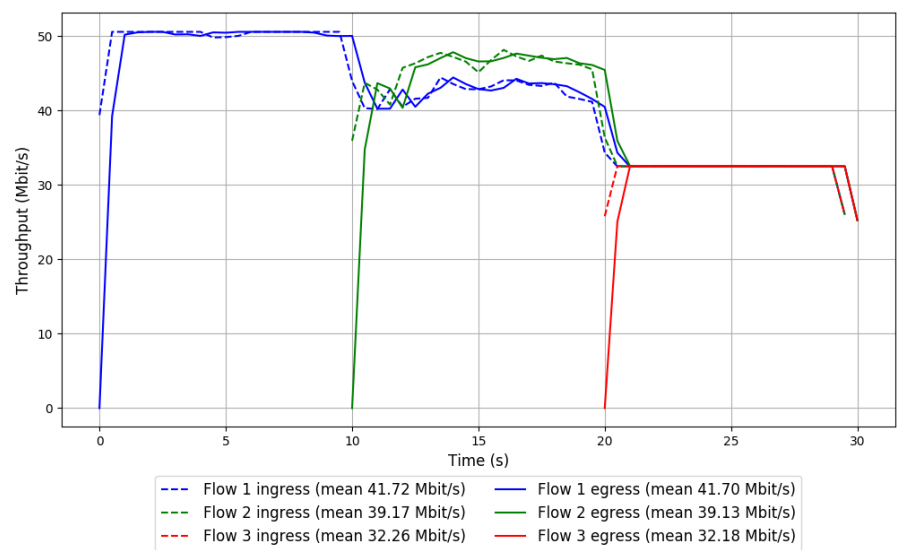
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 24.756 ms

Loss rate: 0.23%

Run 4: Report of Sprout — Data Link

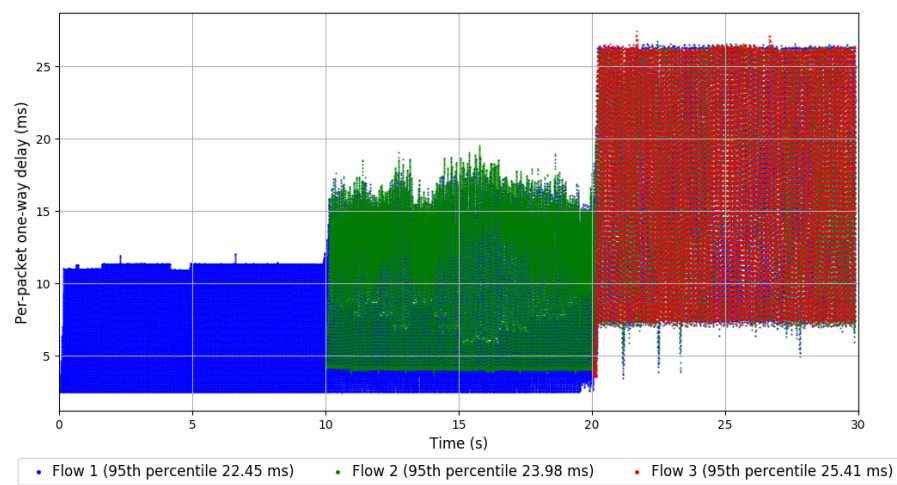
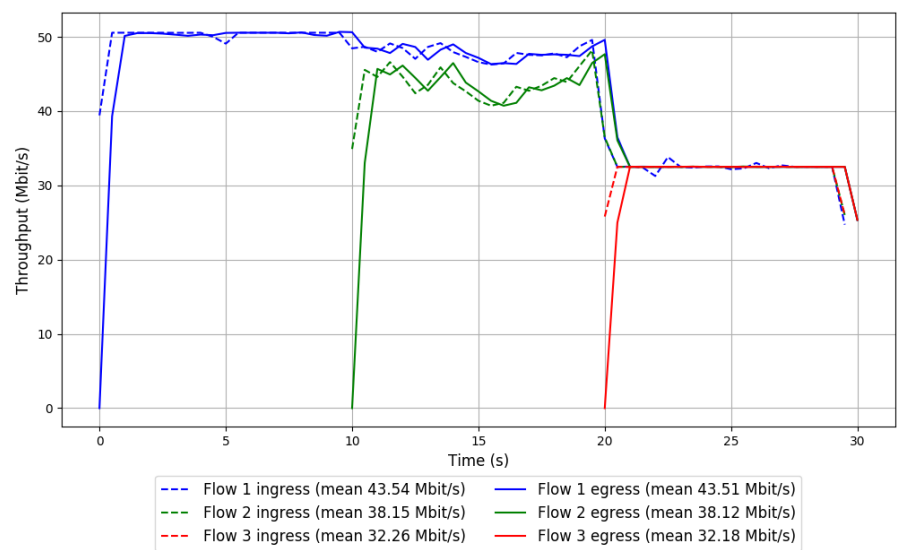


Run 5: Statistics of Sprout

Start at: 2019-07-18 12:30:24
End at: 2019-07-18 12:30:54
Local clock offset: -3.992 ms
Remote clock offset: 0.541 ms

Below is generated by plot.py at 2019-07-18 13:10:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 23.940 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 43.51 Mbit/s
95th percentile per-packet one-way delay: 22.454 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 23.980 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 25.407 ms
Loss rate: 0.23%

Run 5: Report of Sprout — Data Link

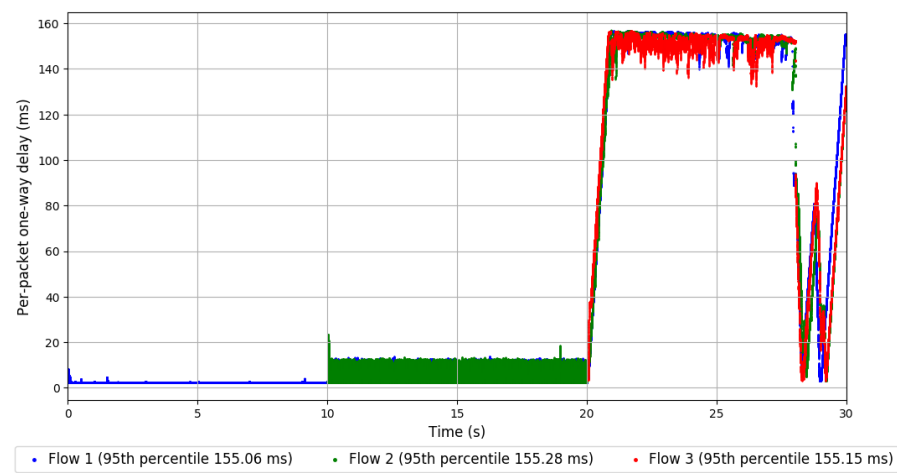
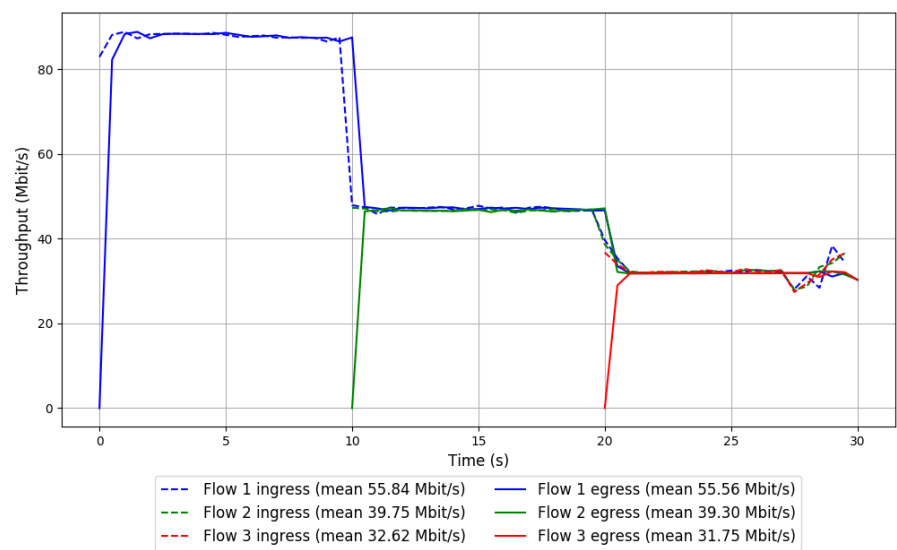


Run 1: Statistics of TaoVA-100x

Start at: 2019-07-18 10:50:24
End at: 2019-07-18 10:50:54
Local clock offset: -3.858 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2019-07-18 13:11:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 155.134 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 55.56 Mbit/s
95th percentile per-packet one-way delay: 155.055 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 155.278 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 155.150 ms
Loss rate: 2.72%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-07-18 11:17:58

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

Local clock offset: -2.825 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2019-07-18 13:11:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 155.037 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 55.62 Mbit/s

95th percentile per-packet one-way delay: 154.779 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 39.47 Mbit/s

95th percentile per-packet one-way delay: 155.567 ms

Loss rate: 1.14%

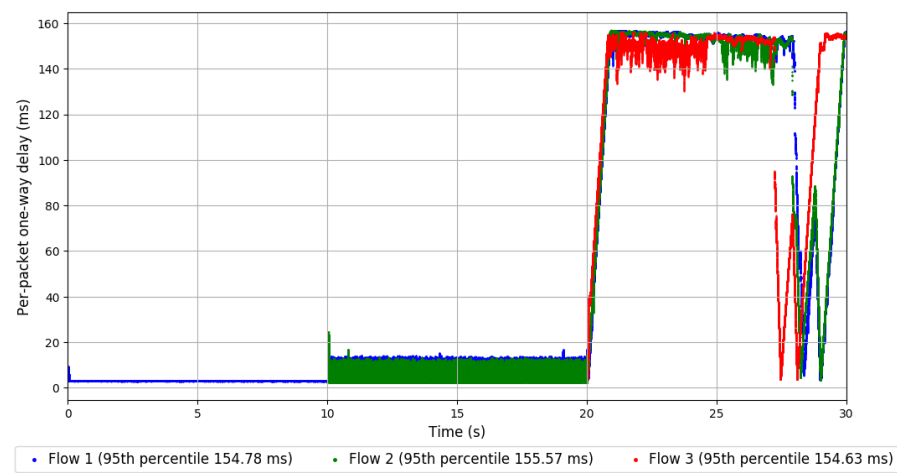
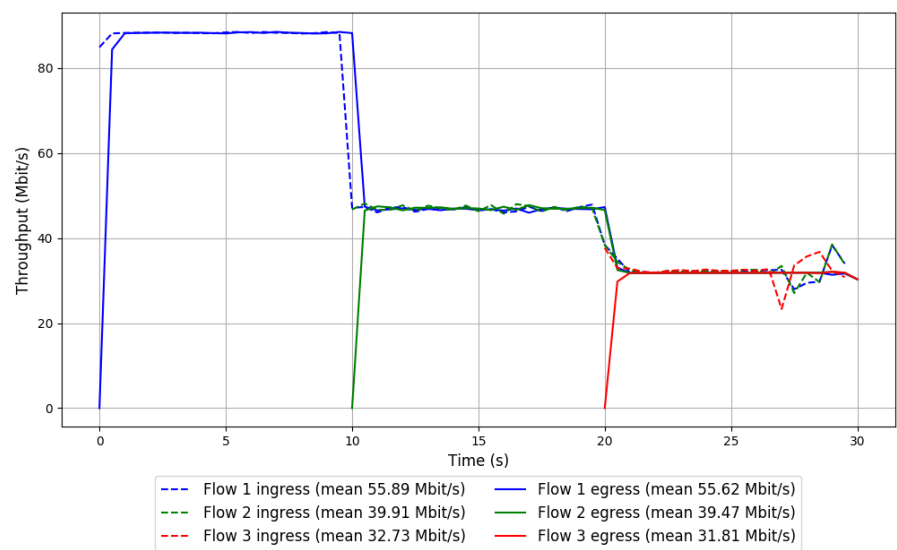
-- Flow 3:

Average throughput: 31.81 Mbit/s

95th percentile per-packet one-way delay: 154.628 ms

Loss rate: 2.86%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-07-18 11:45:30

End at: 2019-07-18 11:46:00

Local clock offset: -2.357 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2019-07-18 13:11:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.50 Mbit/s

95th percentile per-packet one-way delay: 154.665 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 55.71 Mbit/s

95th percentile per-packet one-way delay: 153.665 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 39.37 Mbit/s

95th percentile per-packet one-way delay: 155.282 ms

Loss rate: 1.04%

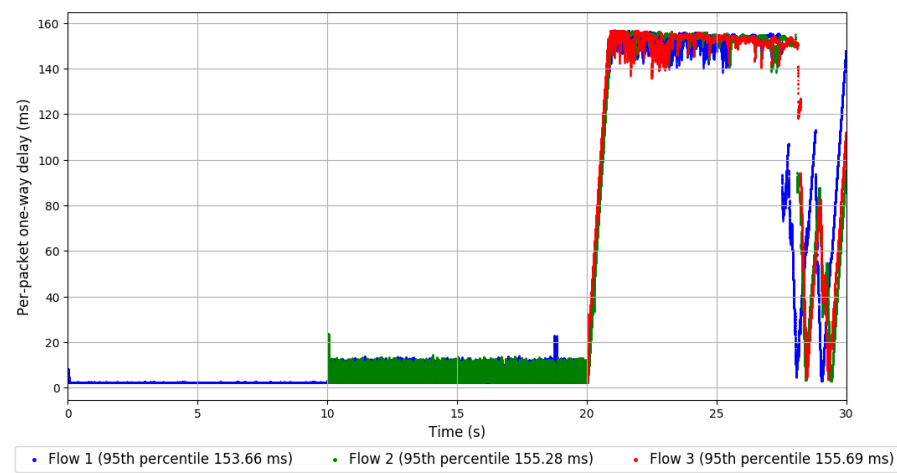
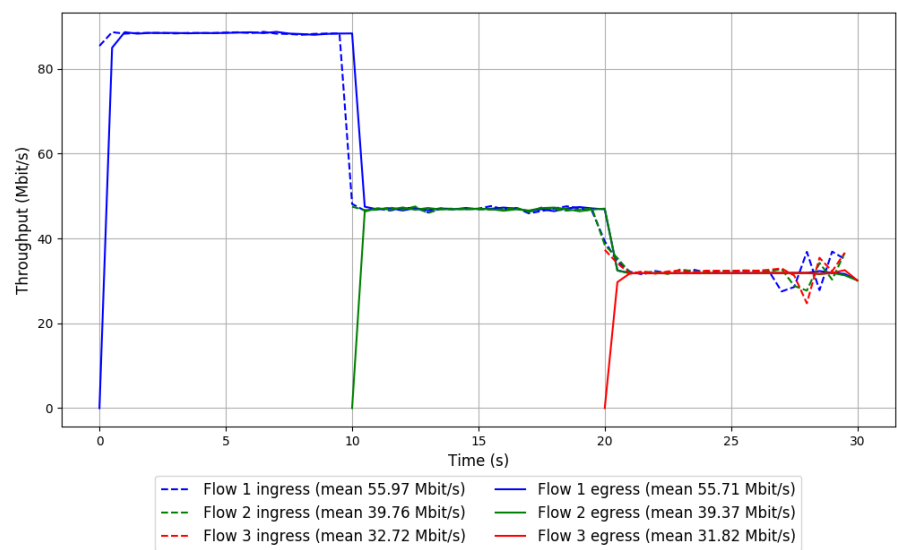
-- Flow 3:

Average throughput: 31.82 Mbit/s

95th percentile per-packet one-way delay: 155.686 ms

Loss rate: 2.81%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-07-18 12:13:03

End at: 2019-07-18 12:13:33

Local clock offset: -3.968 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2019-07-18 13:11:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 154.697 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 55.04 Mbit/s

95th percentile per-packet one-way delay: 152.764 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 39.02 Mbit/s

95th percentile per-packet one-way delay: 154.403 ms

Loss rate: 1.24%

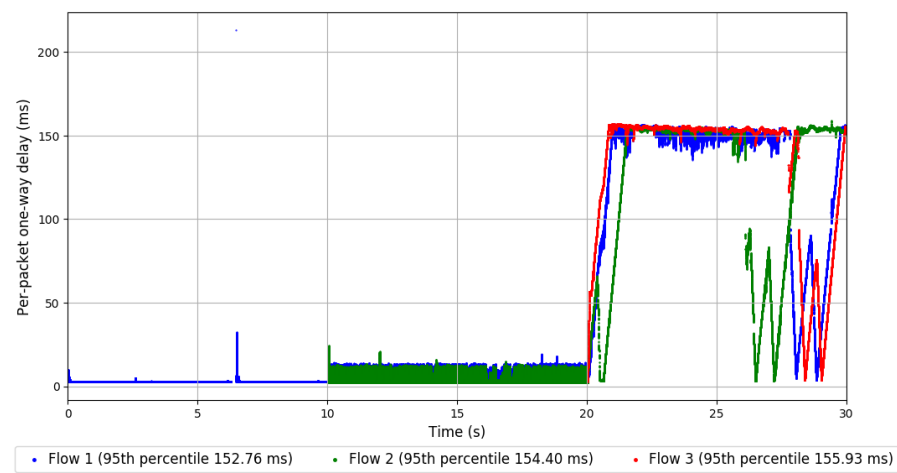
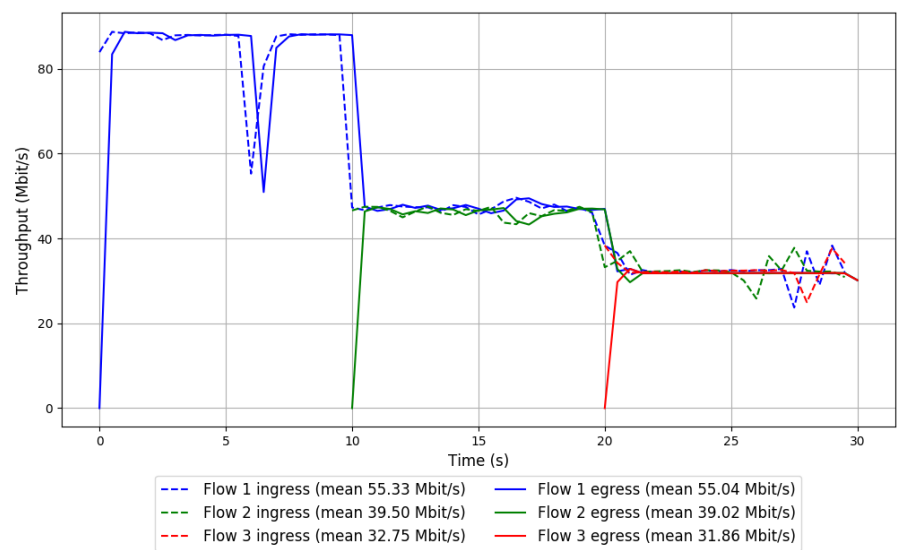
-- Flow 3:

Average throughput: 31.86 Mbit/s

95th percentile per-packet one-way delay: 155.926 ms

Loss rate: 2.80%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-07-18 12:40:41

End at: 2019-07-18 12:41:11

Local clock offset: -3.792 ms

Remote clock offset: 0.707 ms

Below is generated by plot.py at 2019-07-18 13:11:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.15 Mbit/s

95th percentile per-packet one-way delay: 154.838 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 55.41 Mbit/s

95th percentile per-packet one-way delay: 151.903 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 39.33 Mbit/s

95th percentile per-packet one-way delay: 155.152 ms

Loss rate: 1.18%

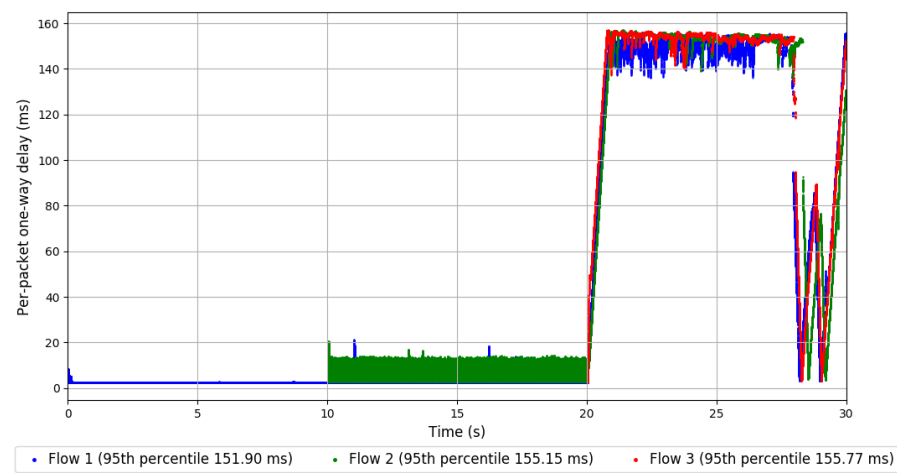
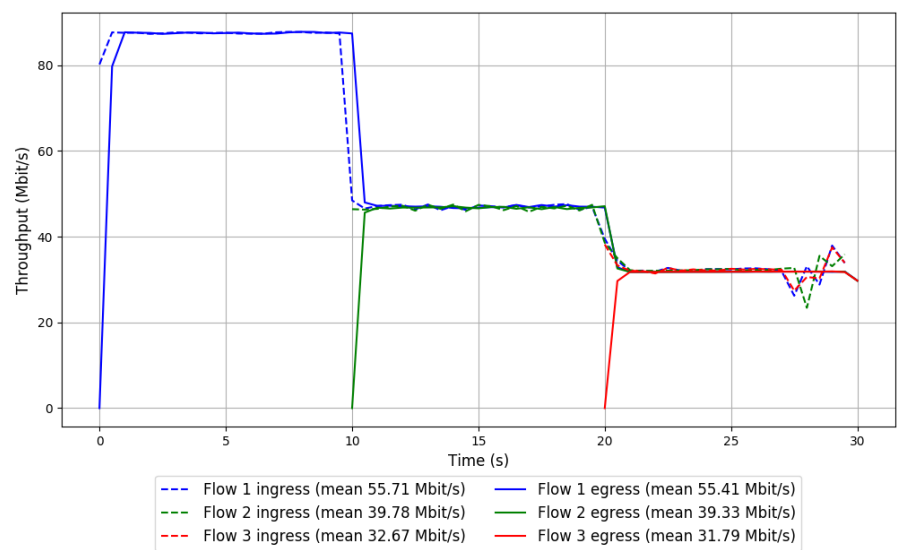
-- Flow 3:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 155.770 ms

Loss rate: 2.75%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-07-18 10:57:24

End at: 2019-07-18 10:57:54

Local clock offset: -3.897 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2019-07-18 13:11:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 4.743 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.57 Mbit/s

95th percentile per-packet one-way delay: 4.191 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 46.62 Mbit/s

95th percentile per-packet one-way delay: 4.289 ms

Loss rate: 0.02%

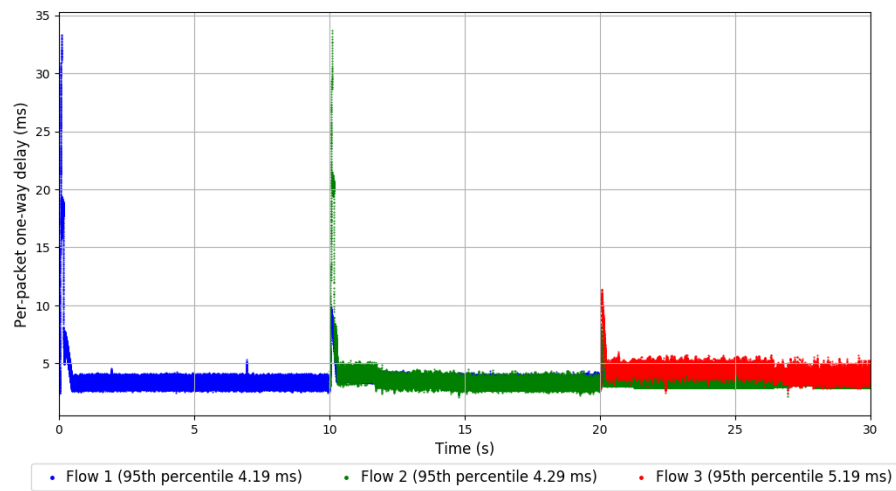
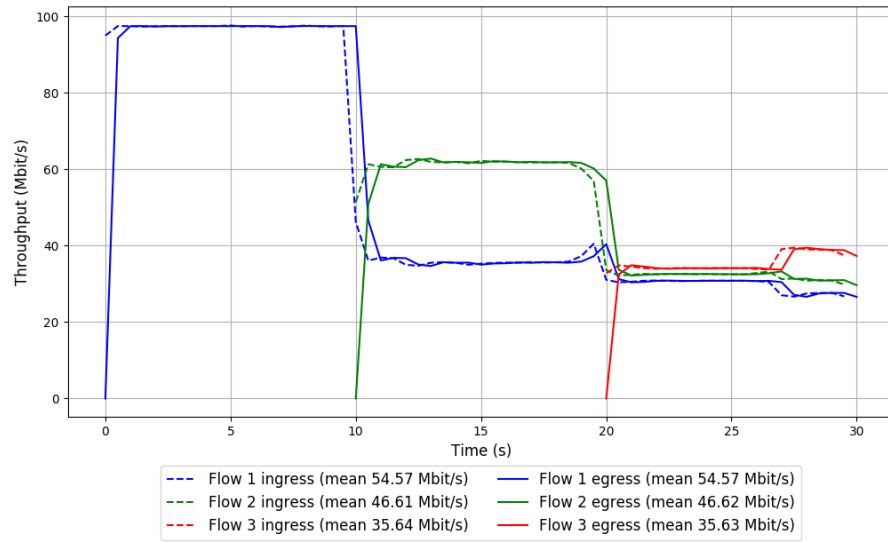
-- Flow 3:

Average throughput: 35.63 Mbit/s

95th percentile per-packet one-way delay: 5.192 ms

Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-07-18 11:24:57

End at: 2019-07-18 11:25:27

Local clock offset: -2.906 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2019-07-18 13:11:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 5.332 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.64 Mbit/s

95th percentile per-packet one-way delay: 3.775 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 5.284 ms

Loss rate: 0.02%

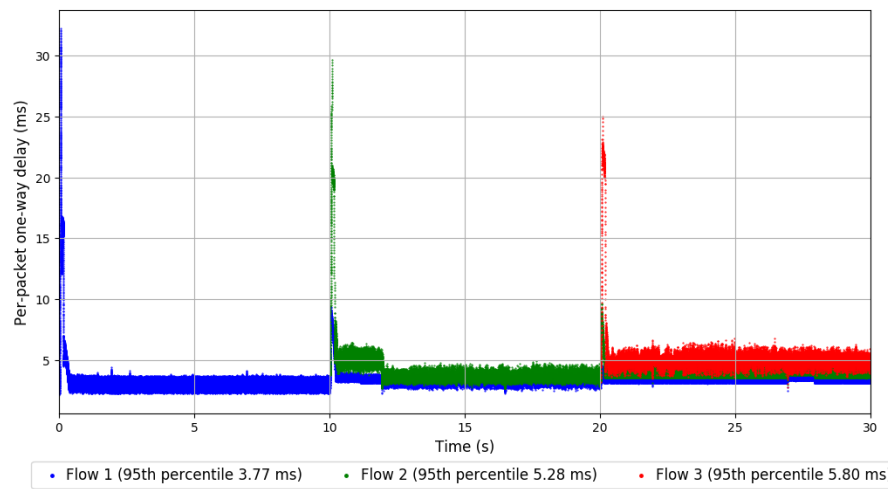
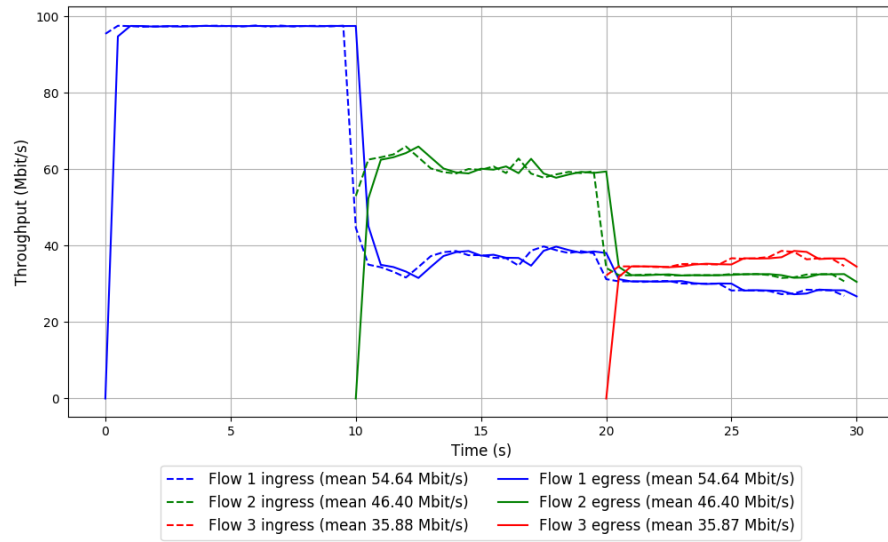
-- Flow 3:

Average throughput: 35.87 Mbit/s

95th percentile per-packet one-way delay: 5.800 ms

Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-07-18 11:52:29

End at: 2019-07-18 11:52:59

Local clock offset: -2.263 ms

Remote clock offset: 0.472 ms

Below is generated by plot.py at 2019-07-18 13:11:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 4.998 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 50.93 Mbit/s

95th percentile per-packet one-way delay: 3.747 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 52.89 Mbit/s

95th percentile per-packet one-way delay: 5.135 ms

Loss rate: 0.02%

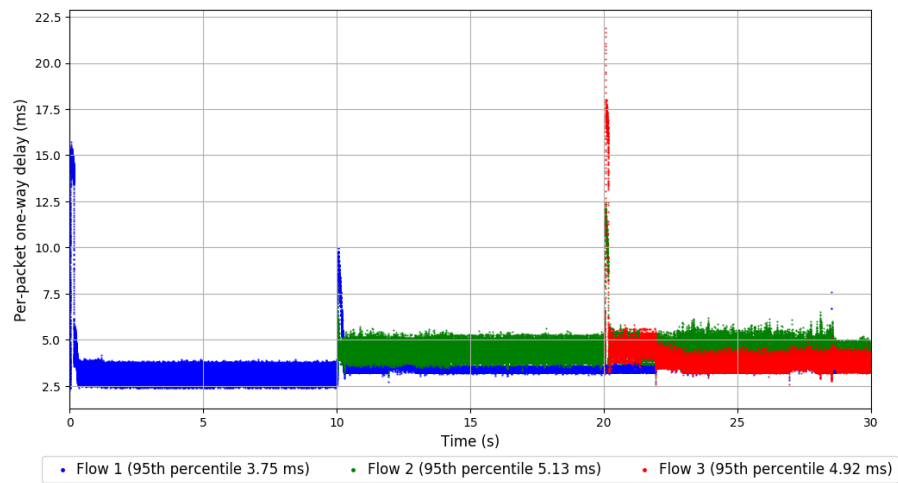
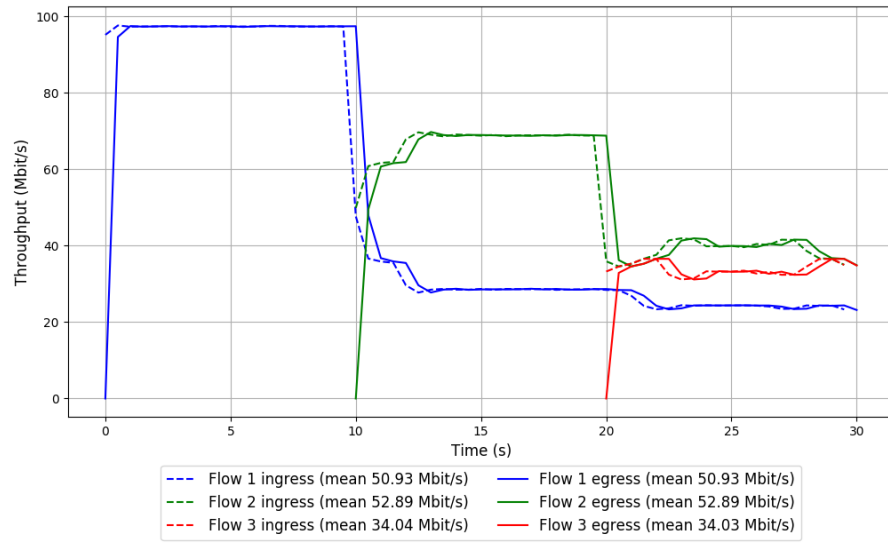
-- Flow 3:

Average throughput: 34.03 Mbit/s

95th percentile per-packet one-way delay: 4.919 ms

Loss rate: 0.06%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-07-18 12:20:04

End at: 2019-07-18 12:20:34

Local clock offset: -4.197 ms

Remote clock offset: 0.588 ms

Below is generated by plot.py at 2019-07-18 13:11:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 4.390 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 3.930 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 47.57 Mbit/s

95th percentile per-packet one-way delay: 4.339 ms

Loss rate: 0.02%

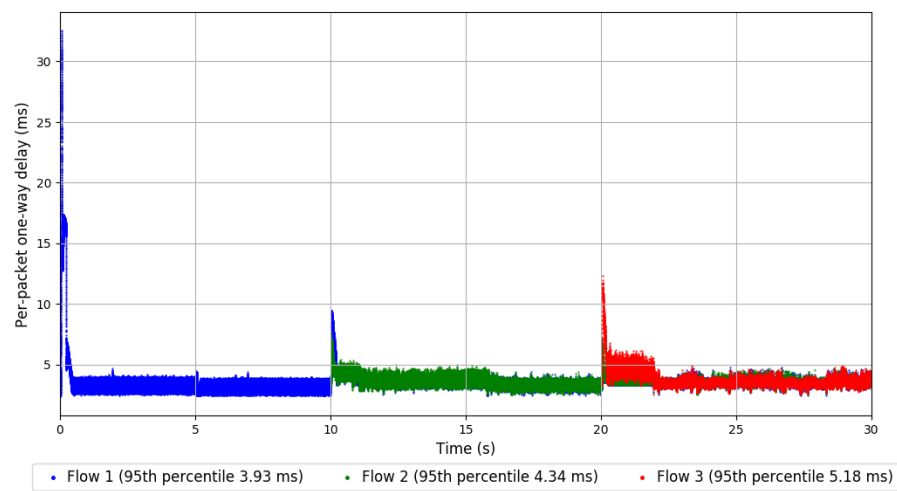
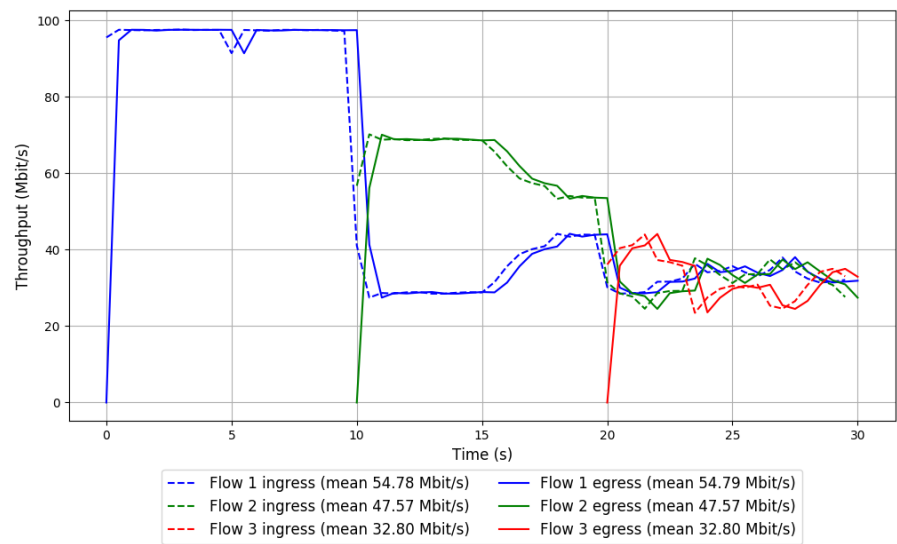
-- Flow 3:

Average throughput: 32.80 Mbit/s

95th percentile per-packet one-way delay: 5.180 ms

Loss rate: 0.06%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-07-18 12:47:42

End at: 2019-07-18 12:48:12

Local clock offset: -3.797 ms

Remote clock offset: 0.616 ms

Below is generated by plot.py at 2019-07-18 13:12:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 4.945 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.50 Mbit/s

95th percentile per-packet one-way delay: 4.234 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 46.89 Mbit/s

95th percentile per-packet one-way delay: 4.472 ms

Loss rate: 0.02%

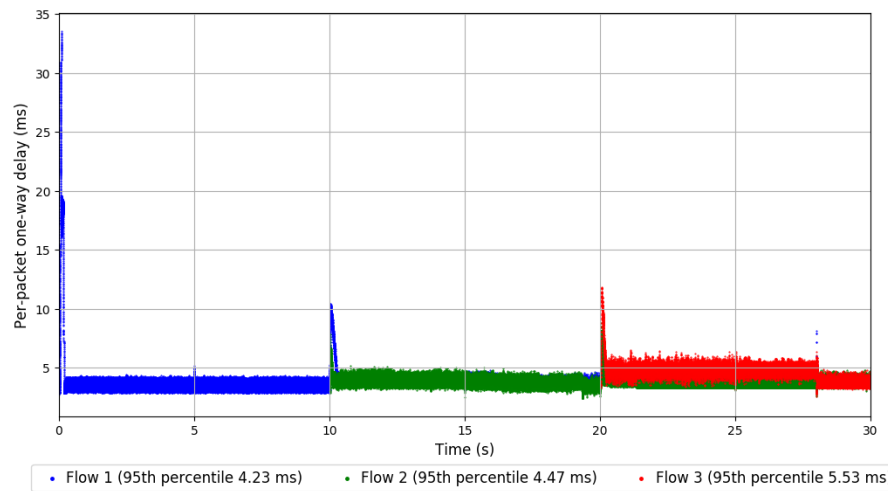
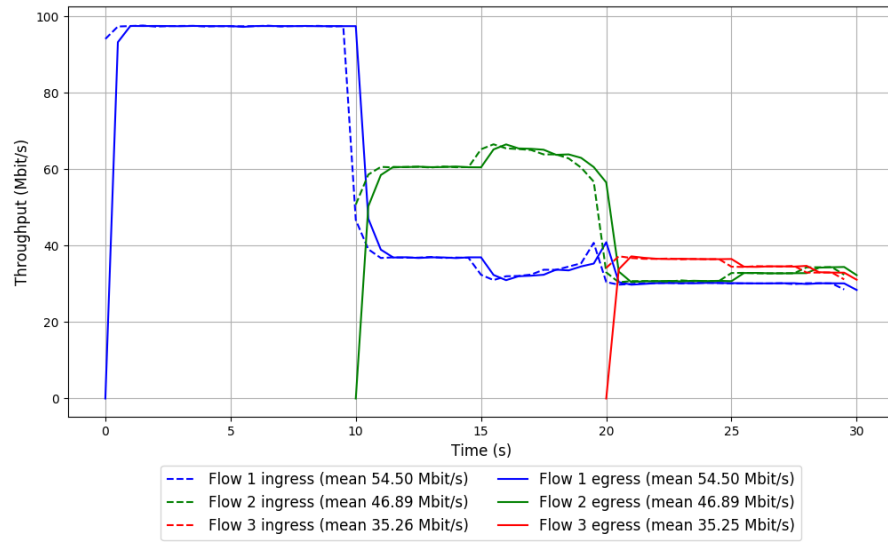
-- Flow 3:

Average throughput: 35.25 Mbit/s

95th percentile per-packet one-way delay: 5.530 ms

Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link

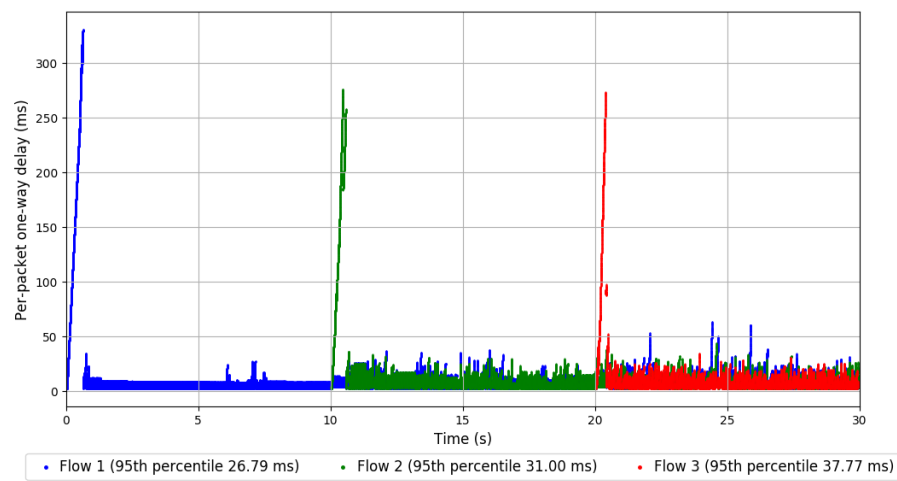
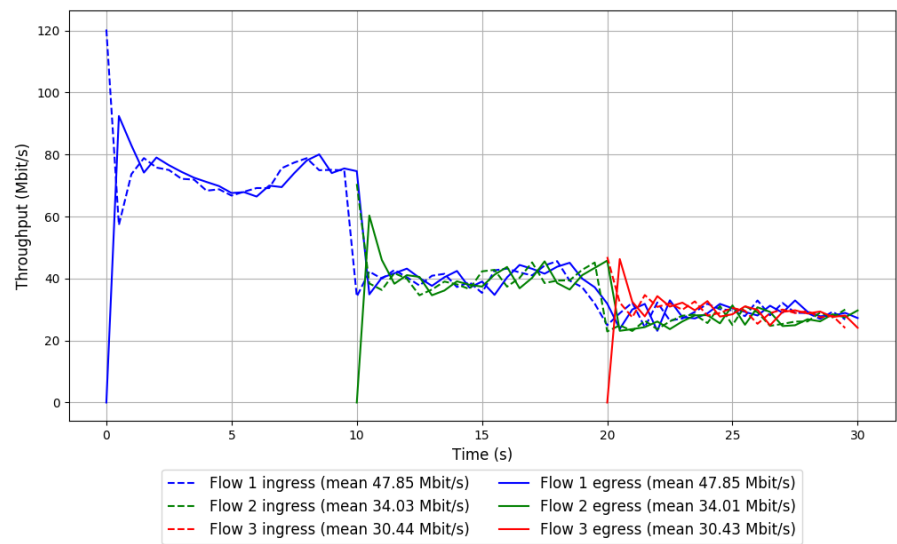


Run 1: Statistics of Verus

Start at: 2019-07-18 10:51:36
End at: 2019-07-18 10:52:06
Local clock offset: -3.909 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2019-07-18 13:12:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.60 Mbit/s
95th percentile per-packet one-way delay: 28.920 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 26.788 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 34.01 Mbit/s
95th percentile per-packet one-way delay: 30.998 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 37.766 ms
Loss rate: 0.07%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

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

End at: 2019-07-18 11:19:41

Local clock offset: -2.823 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2019-07-18 13:12:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.60 Mbit/s

95th percentile per-packet one-way delay: 30.232 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 49.34 Mbit/s

95th percentile per-packet one-way delay: 26.713 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 25.708 ms

Loss rate: 0.06%

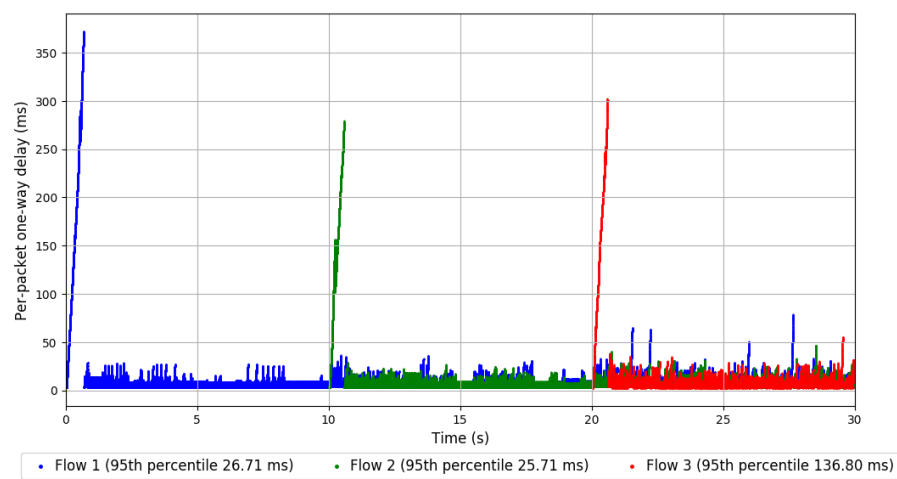
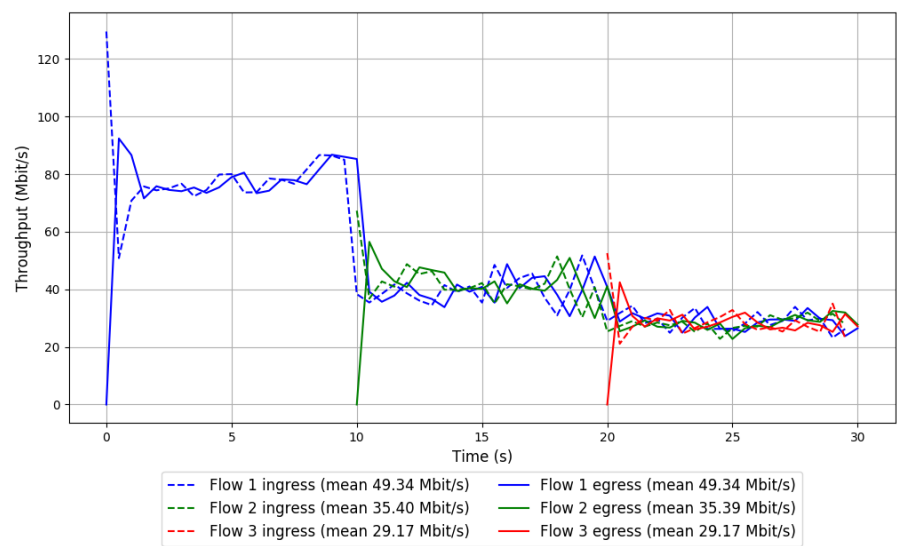
-- Flow 3:

Average throughput: 29.17 Mbit/s

95th percentile per-packet one-way delay: 136.802 ms

Loss rate: 0.04%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-07-18 11:46:43

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

Local clock offset: -2.295 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2019-07-18 13:12:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.98 Mbit/s

95th percentile per-packet one-way delay: 30.767 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 46.73 Mbit/s

95th percentile per-packet one-way delay: 25.358 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 34.17 Mbit/s

95th percentile per-packet one-way delay: 25.892 ms

Loss rate: 0.07%

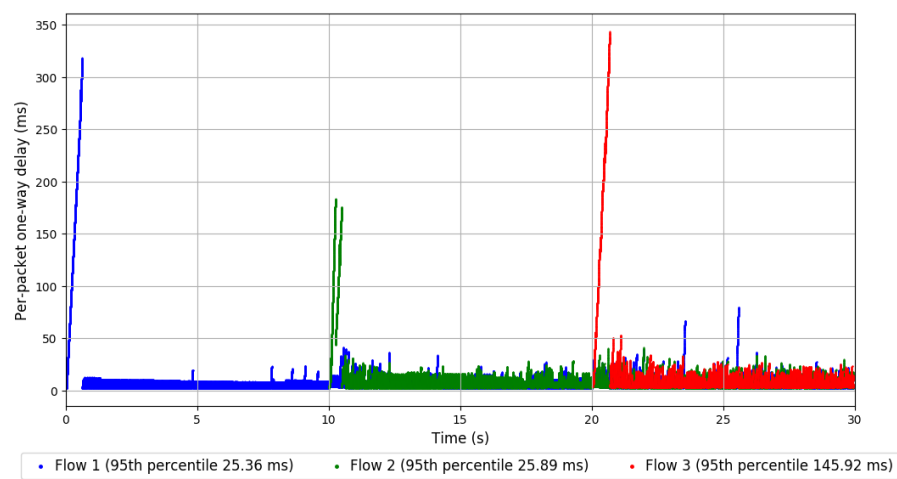
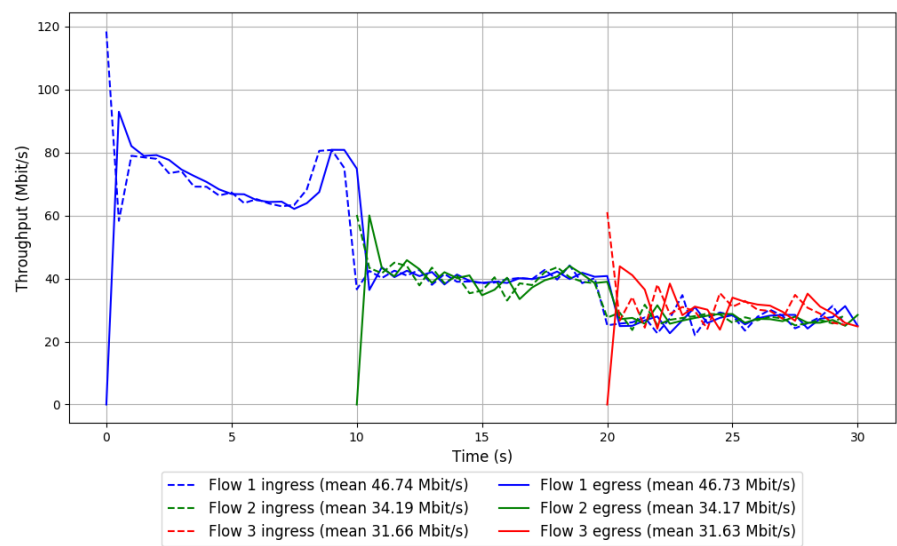
-- Flow 3:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 145.921 ms

Loss rate: 0.13%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-07-18 12:14:15

End at: 2019-07-18 12:14:45

Local clock offset: -4.019 ms

Remote clock offset: 0.566 ms

Below is generated by plot.py at 2019-07-18 13:12:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.13 Mbit/s

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

Loss rate: 0.07%

-- Flow 1:

Average throughput: 46.66 Mbit/s

95th percentile per-packet one-way delay: 25.858 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 34.56 Mbit/s

95th percentile per-packet one-way delay: 37.750 ms

Loss rate: 0.06%

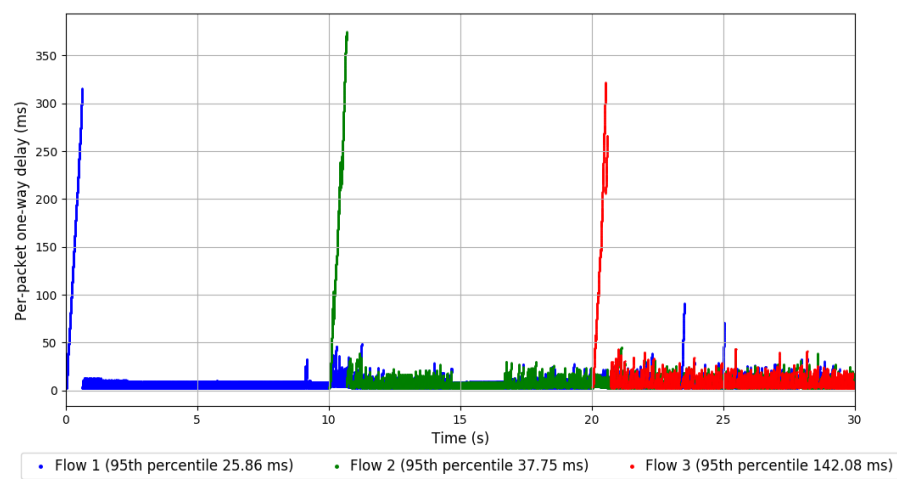
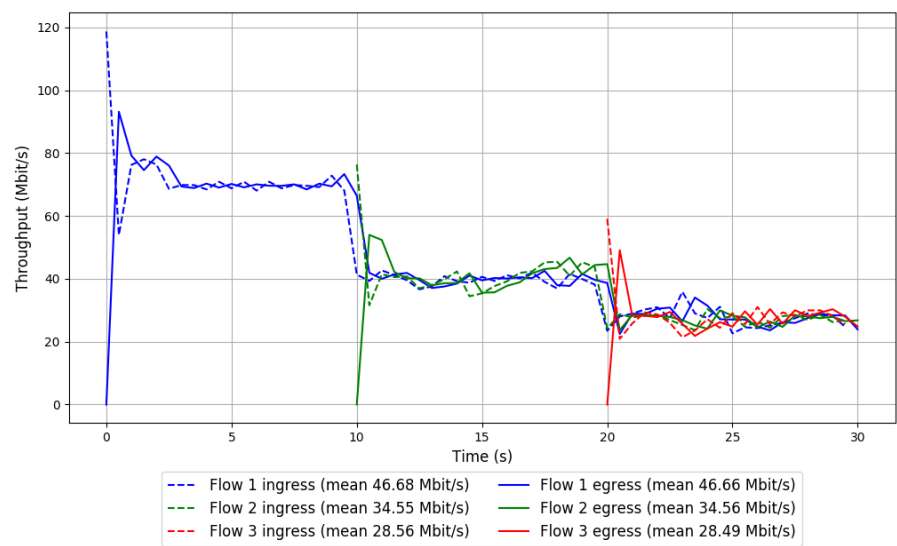
-- Flow 3:

Average throughput: 28.49 Mbit/s

95th percentile per-packet one-way delay: 142.080 ms

Loss rate: 0.27%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-07-18 12:41:53

End at: 2019-07-18 12:42:23

Local clock offset: -3.839 ms

Remote clock offset: 0.645 ms

Below is generated by plot.py at 2019-07-18 13:12:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.87 Mbit/s

95th percentile per-packet one-way delay: 29.642 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 47.38 Mbit/s

95th percentile per-packet one-way delay: 21.925 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 35.40 Mbit/s

95th percentile per-packet one-way delay: 30.426 ms

Loss rate: 0.06%

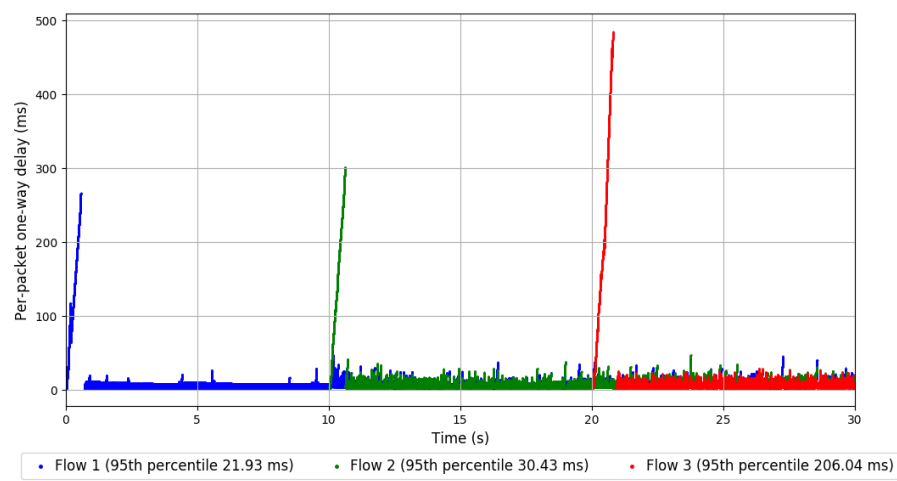
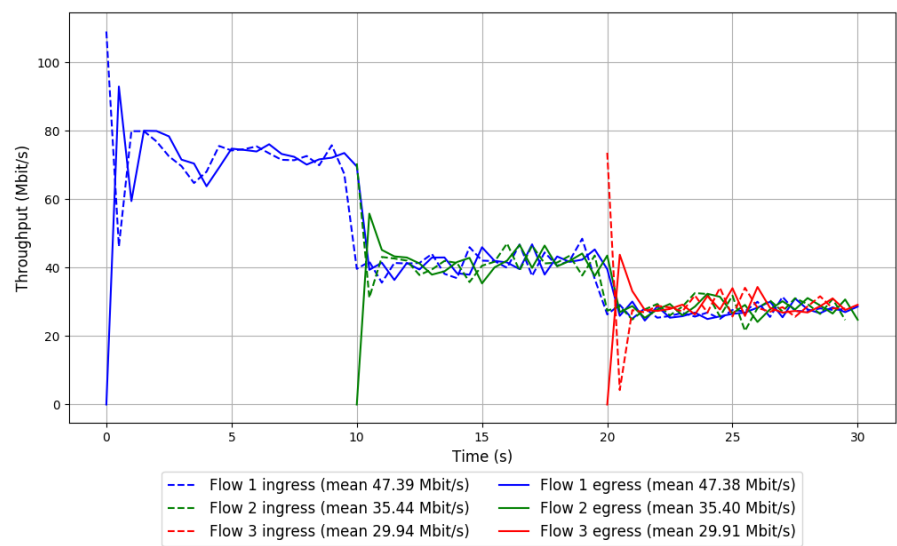
-- Flow 3:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 206.043 ms

Loss rate: 0.08%

Run 5: Report of Verus — Data Link

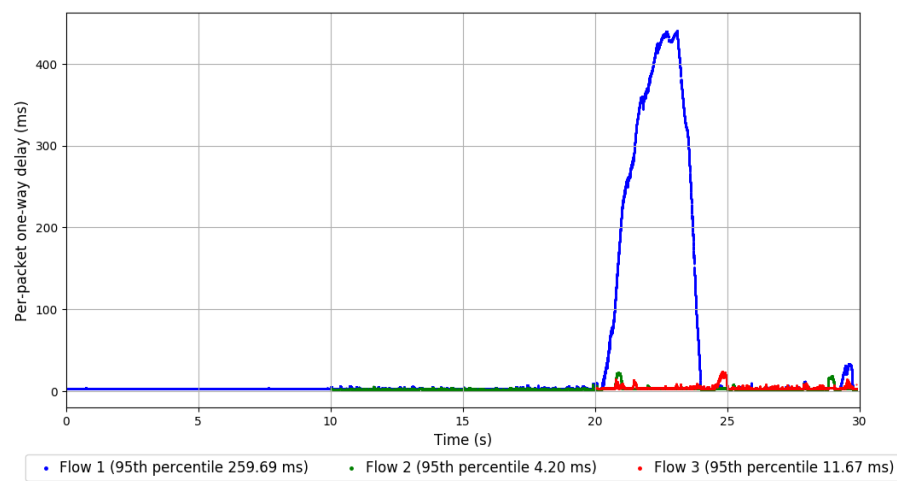
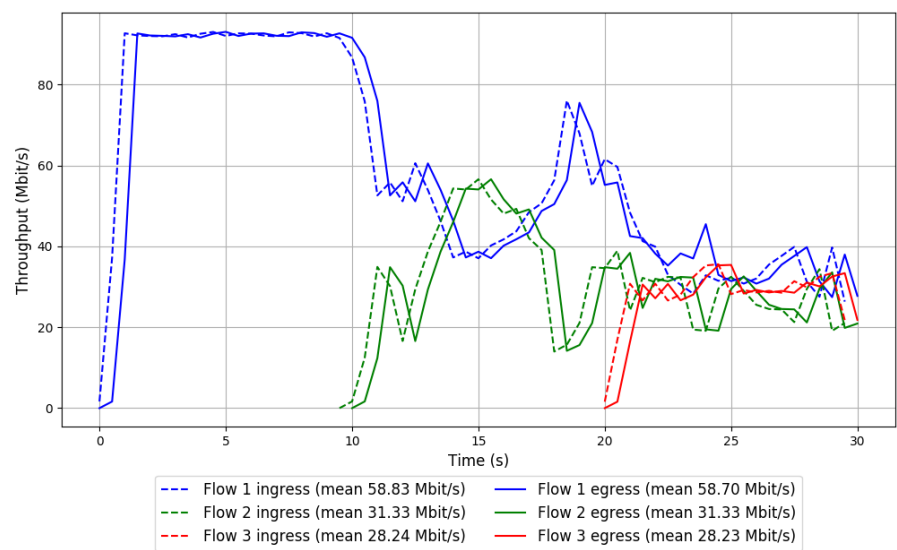


Run 1: Statistics of PCC-Vivace

Start at: 2019-07-18 11:01:58
End at: 2019-07-18 11:02:28
Local clock offset: -3.32 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2019-07-18 13:12:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 48.055 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.70 Mbit/s
95th percentile per-packet one-way delay: 259.692 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 4.203 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 11.672 ms
Loss rate: 0.05%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-07-18 11:29:31

End at: 2019-07-18 11:30:01

Local clock offset: -2.61 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2019-07-18 13:13:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 39.709 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 57.59 Mbit/s

95th percentile per-packet one-way delay: 169.786 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 4.795 ms

Loss rate: 0.02%

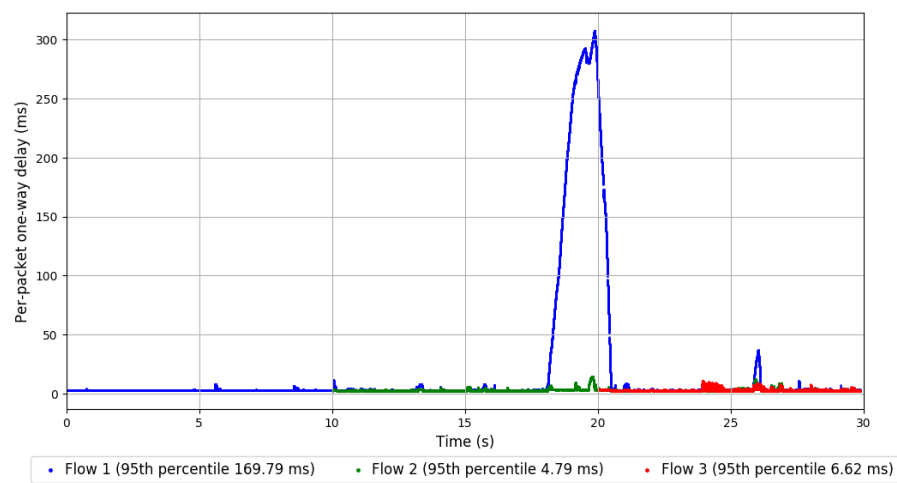
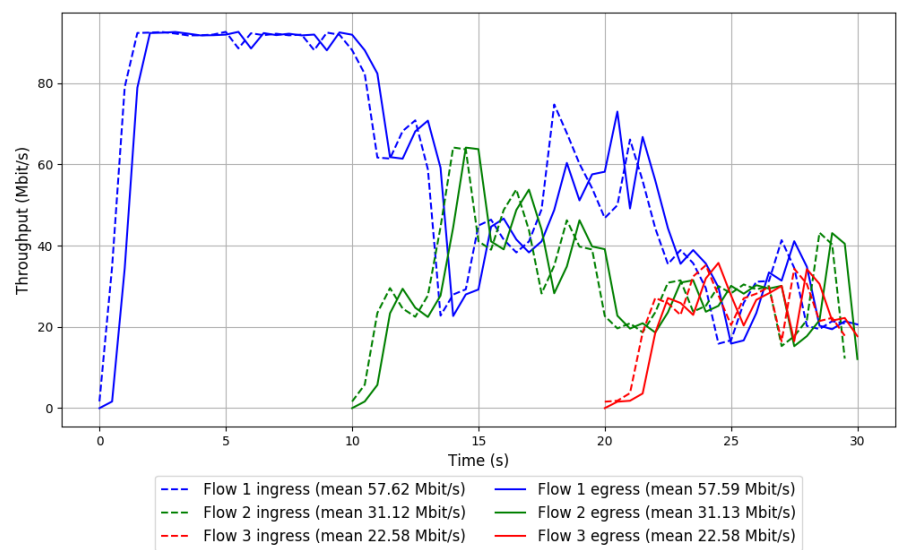
-- Flow 3:

Average throughput: 22.58 Mbit/s

95th percentile per-packet one-way delay: 6.621 ms

Loss rate: 0.06%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-07-18 11:57:03

End at: 2019-07-18 11:57:33

Local clock offset: -2.653 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2019-07-18 13:13:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.38 Mbit/s

95th percentile per-packet one-way delay: 1620.174 ms

Loss rate: 2.66%

-- Flow 1:

Average throughput: 56.64 Mbit/s

95th percentile per-packet one-way delay: 8.944 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 35.56 Mbit/s

95th percentile per-packet one-way delay: 1842.617 ms

Loss rate: 9.28%

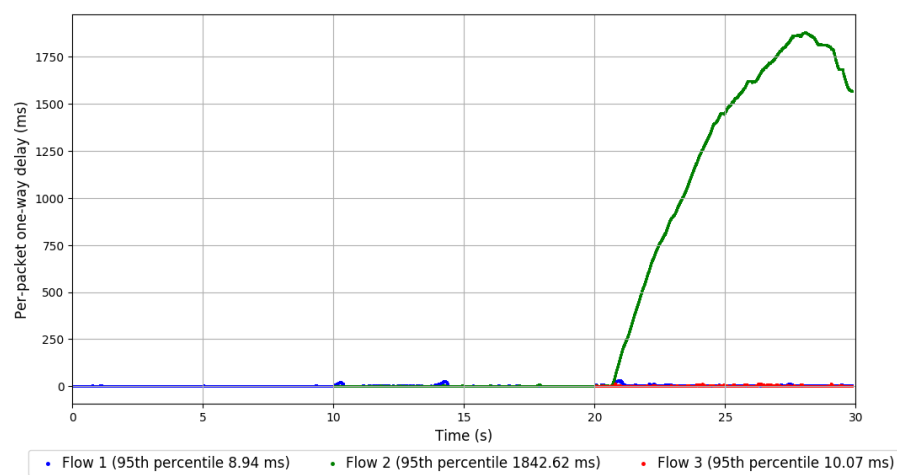
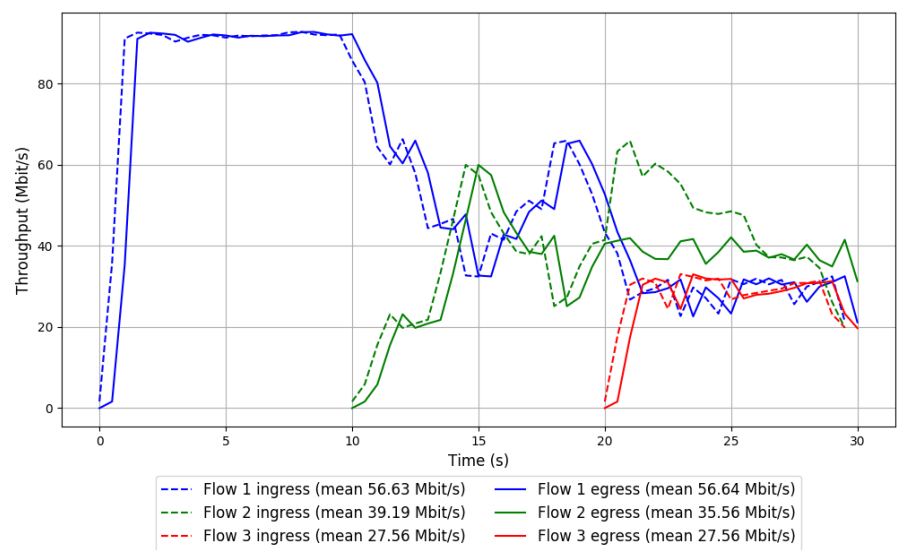
-- Flow 3:

Average throughput: 27.56 Mbit/s

95th percentile per-packet one-way delay: 10.067 ms

Loss rate: 0.06%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-07-18 12:24:41

End at: 2019-07-18 12:25:11

Local clock offset: -4.282 ms

Remote clock offset: 0.667 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.85 Mbit/s

95th percentile per-packet one-way delay: 1719.558 ms

Loss rate: 5.97%

-- Flow 1:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 363.405 ms

Loss rate: 1.82%

-- Flow 2:

Average throughput: 44.74 Mbit/s

95th percentile per-packet one-way delay: 1977.126 ms

Loss rate: 12.55%

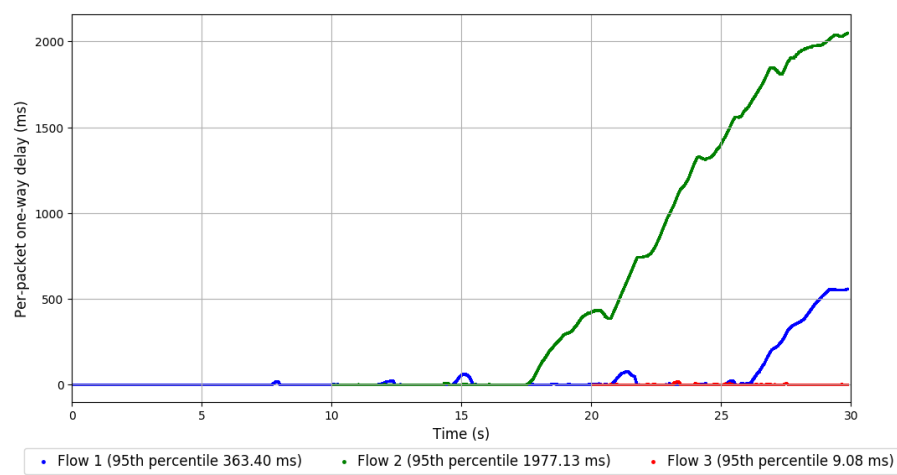
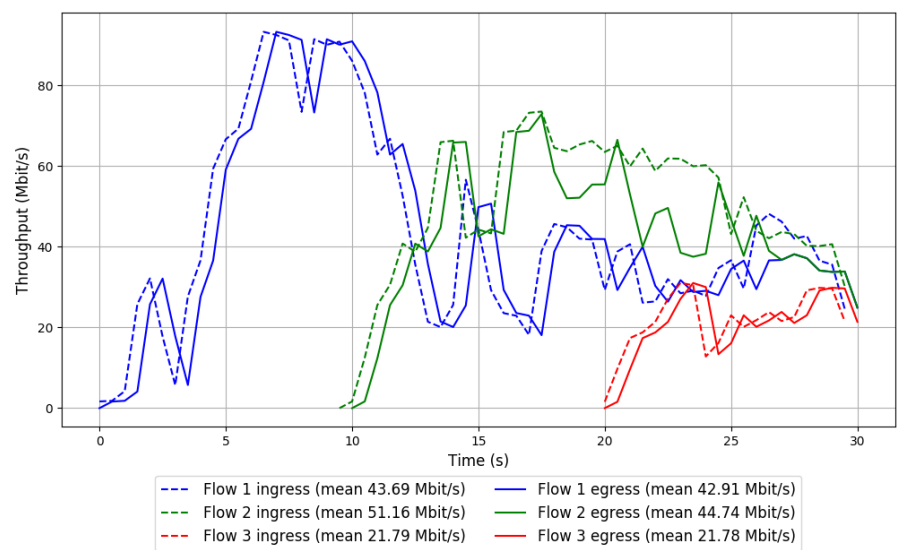
-- Flow 3:

Average throughput: 21.78 Mbit/s

95th percentile per-packet one-way delay: 9.084 ms

Loss rate: 0.08%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

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

End at: 2019-07-18 12:52:48

Local clock offset: -4.064 ms

Remote clock offset: 0.596 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.22 Mbit/s

95th percentile per-packet one-way delay: 431.487 ms

Loss rate: 2.14%

-- Flow 1:

Average throughput: 57.44 Mbit/s

95th percentile per-packet one-way delay: 749.816 ms

Loss rate: 3.27%

-- Flow 2:

Average throughput: 35.93 Mbit/s

95th percentile per-packet one-way delay: 9.657 ms

Loss rate: 0.04%

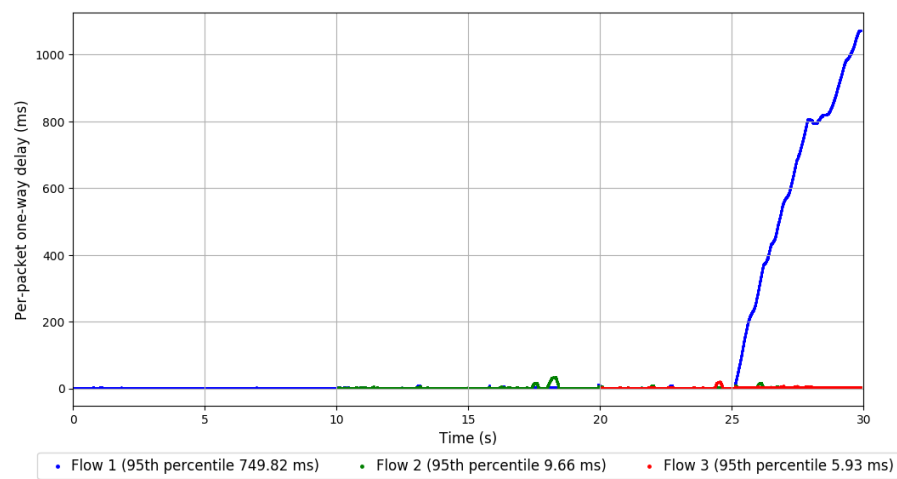
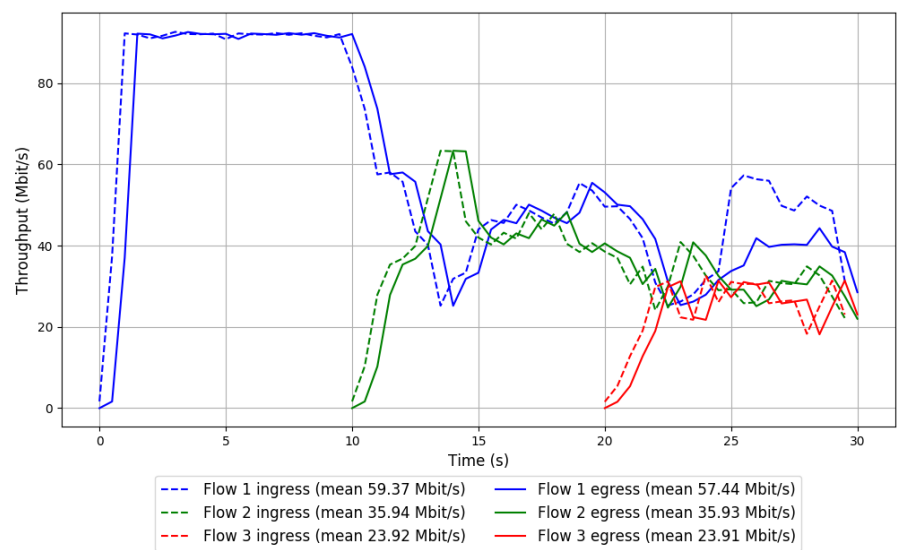
-- Flow 3:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 5.927 ms

Loss rate: 0.06%

Run 5: Report of PCC-Vivace — Data Link

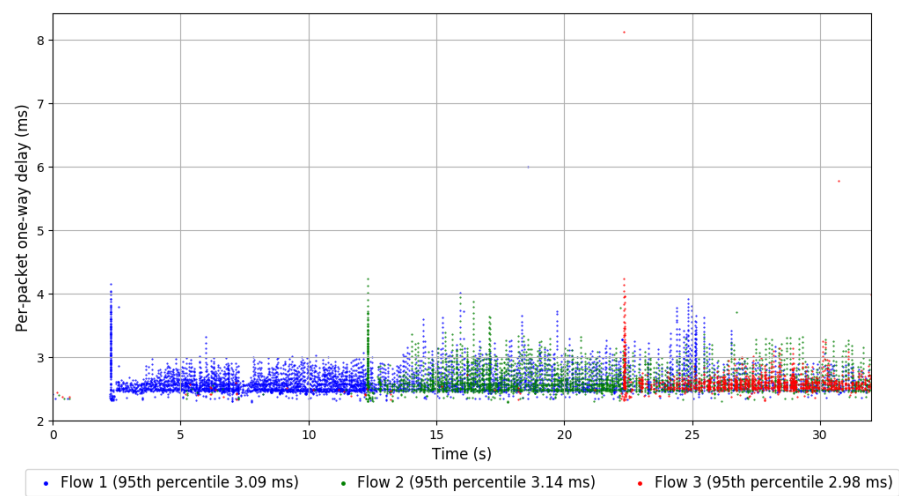
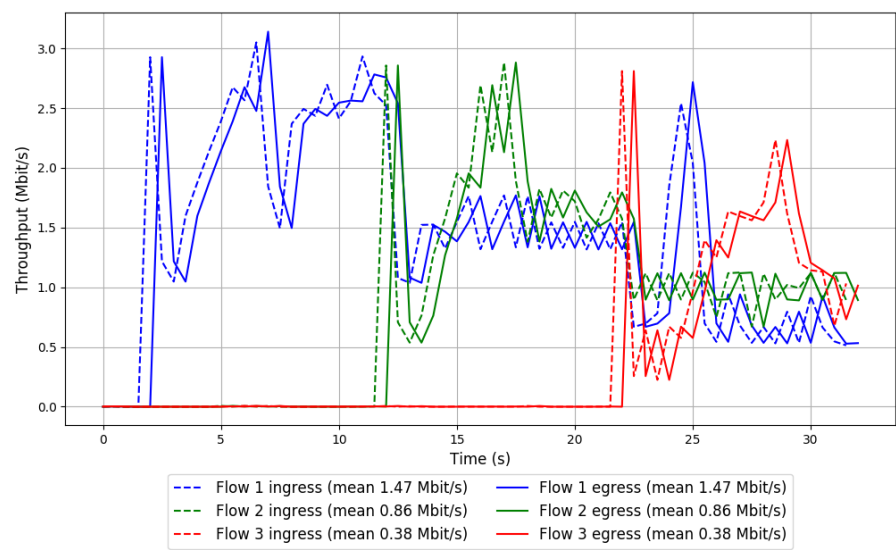


Run 1: Statistics of WebRTC media

Start at: 2019-07-18 11:03:09
End at: 2019-07-18 11:03:39
Local clock offset: -3.28 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2019-07-18 13:13:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 3.103 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 3.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 2.978 ms
Loss rate: 0.08%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-07-18 11:30:42

End at: 2019-07-18 11:31:12

Local clock offset: -2.577 ms

Remote clock offset: 0.263 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 3.250 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 3.039 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 3.257 ms

Loss rate: 0.34%

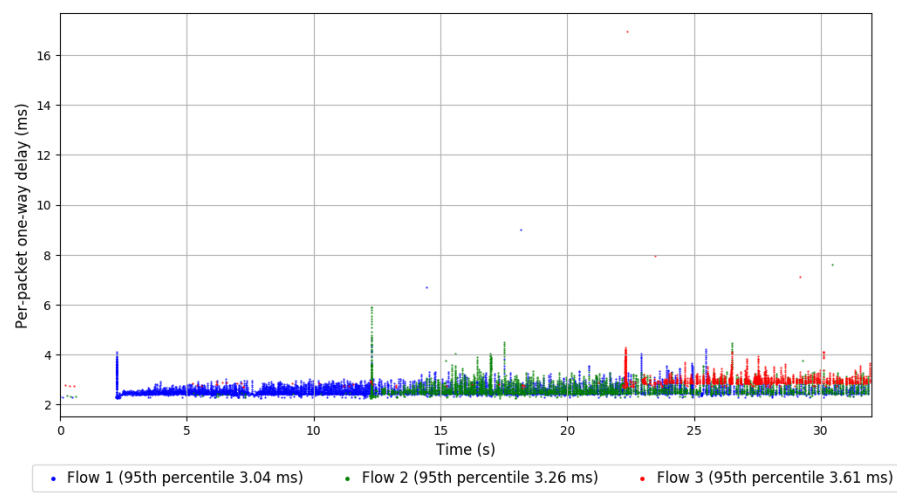
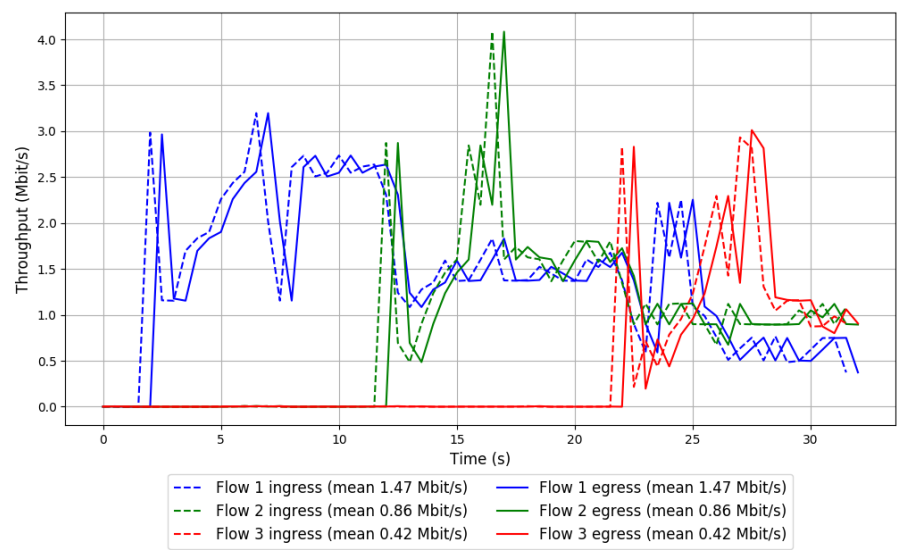
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 3.614 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-07-18 11:58:14

End at: 2019-07-18 11:58:44

Local clock offset: -3.012 ms

Remote clock offset: 0.504 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.78 Mbit/s

95th percentile per-packet one-way delay: 3.347 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 2.990 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.87 Mbit/s

95th percentile per-packet one-way delay: 3.507 ms

Loss rate: 0.00%

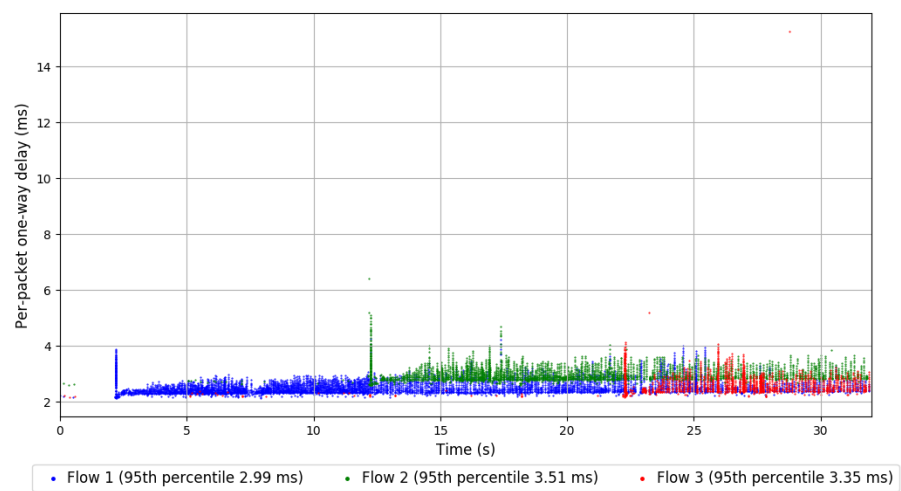
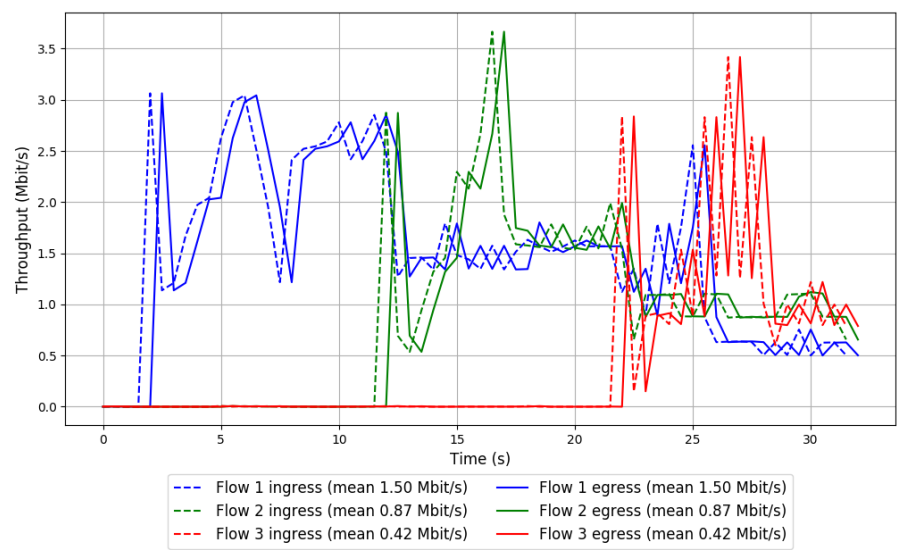
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 3.351 ms

Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-07-18 12:25:52

End at: 2019-07-18 12:26:22

Local clock offset: -4.297 ms

Remote clock offset: 0.584 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.82 Mbit/s

95th percentile per-packet one-way delay: 3.037 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 2.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.89 Mbit/s

95th percentile per-packet one-way delay: 3.065 ms

Loss rate: 1.58%

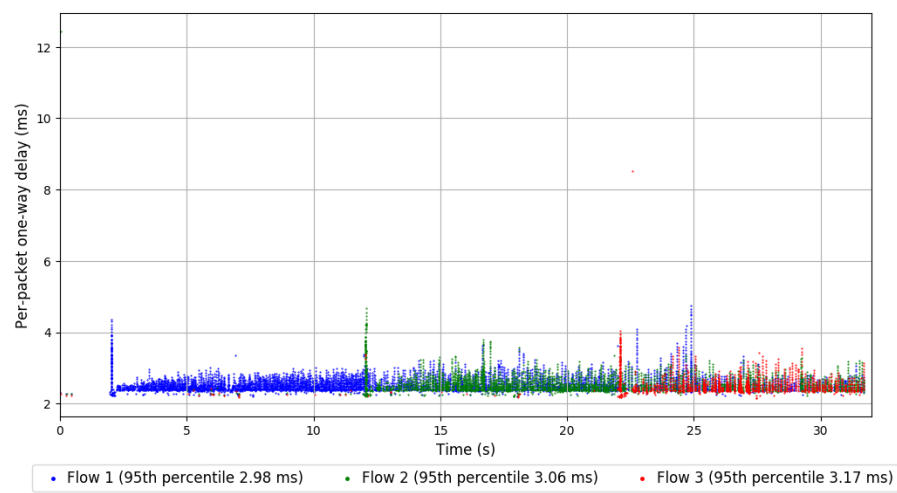
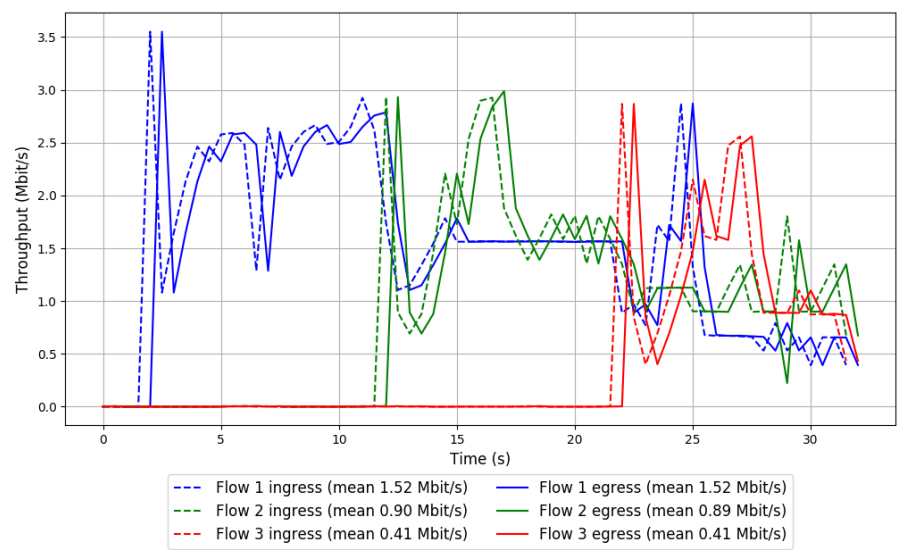
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 3.167 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-18 12:53:29

End at: 2019-07-18 12:54:00

Local clock offset: -3.998 ms

Remote clock offset: 0.679 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 3.241 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 3.262 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 2.787 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 3.454 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

