

Pantheon Report

Generated at 2019-07-12 06:41:32 (UTC).

Data path: AWS Brazil 1 on `ens5` (*local*) → Brazil on `p4p1` (*remote*).

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:

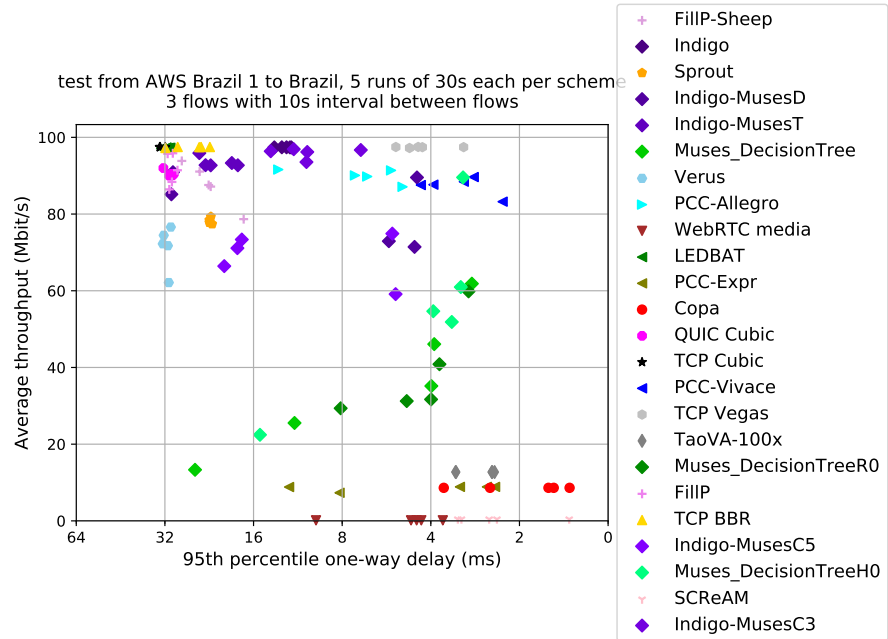
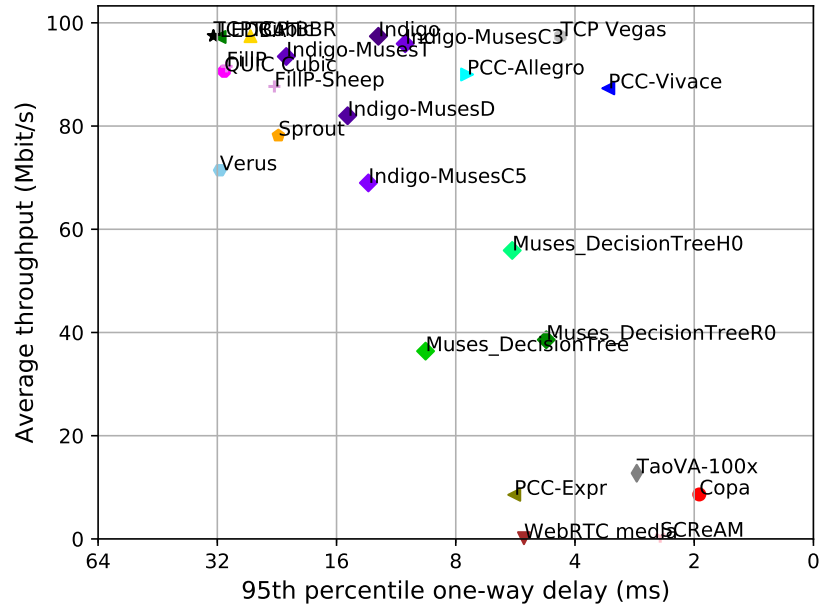
```
Linux 4.15.0-1041-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 2076e1149a241f3edb4365d686df32342bf9561f
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 8bb93ffff2b107204a92d8b72449fc0c55e15f00
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 AWS Brazil 1 to Brazil, 5 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



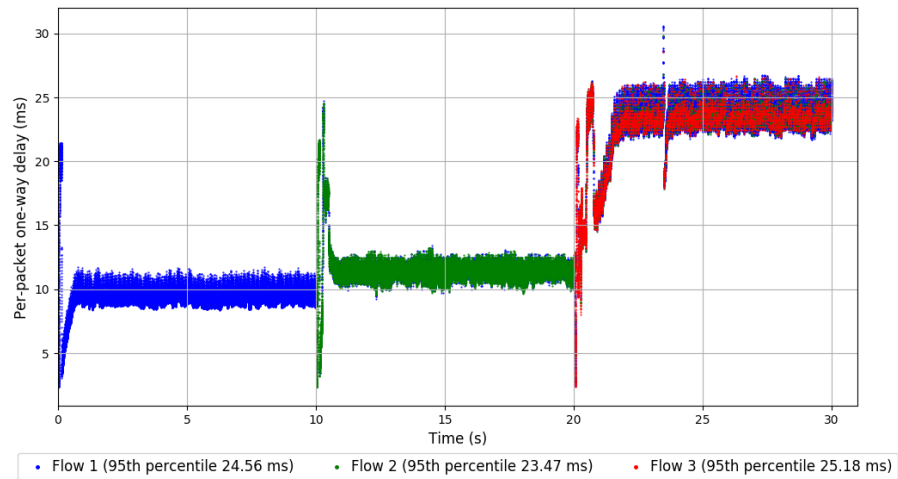
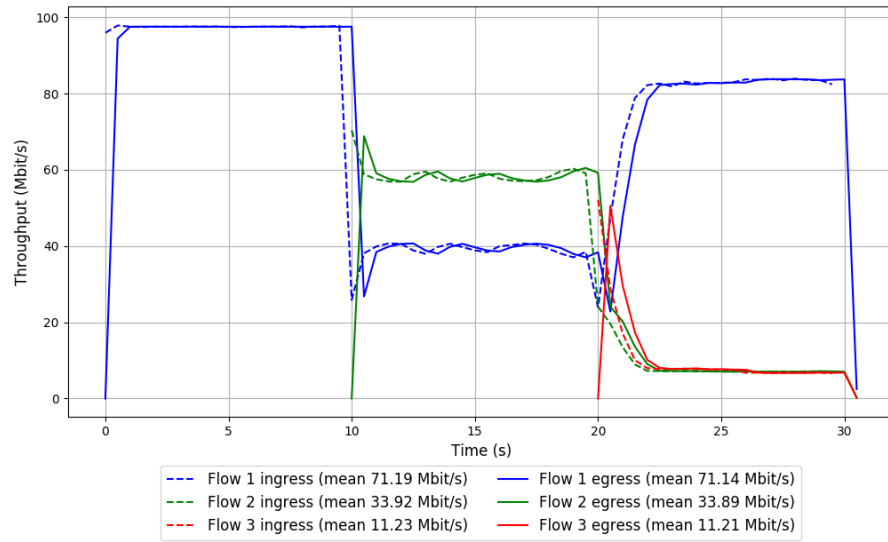
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	69.83	28.69	25.49	25.83	25.83	28.27	0.06	0.19	0.28
Copa	5	0.47	12.09	2.44	1.85	1.98	2.52	94.29	66.95	86.32
TCP Cubic	5	63.96	36.80	27.11	32.74	31.90	32.91	0.04	0.04	0.06
FillP	5	53.82	34.93	43.67	29.67	29.18	30.15	10.66	16.10	32.91
FillP-Sheep	5	52.52	31.24	43.33	19.59	23.02	25.67	0.92	1.15	3.24
Indigo	5	46.48	44.17	66.51	11.45	12.37	13.02	0.00	0.00	0.00
Indigo-MusesC3	5	57.57	40.16	42.23	8.39	11.93	9.96	0.00	0.00	0.00
Indigo-MusesC5	5	36.16	34.19	35.90	12.28	13.13	14.51	0.00	0.00	0.00
Indigo-MusesD	5	44.61	45.71	26.06	14.09	15.36	15.75	0.18	0.24	1.74
Indigo-MusesT	5	56.43	47.39	21.50	20.12	21.62	24.30	0.01	0.02	0.05
LEDBAT	5	59.65	41.42	30.48	31.51	31.58	32.14	0.05	0.06	0.09
Muses_DecisionTree	5	18.67	15.48	22.88	12.20	17.53	18.74	0.47	0.69	0.98
Muses_DecisionTreeH0	5	27.97	25.07	34.76	10.05	17.76	12.02	0.38	0.63	0.47
Muses_DecisionTreeR0	5	11.11	31.46	20.37	13.91	6.76	22.76	0.50	0.37	1.03
PCC-Allegro	5	71.01	21.37	14.44	6.42	9.79	11.12	0.00	0.00	0.00
PCC-Expr	5	0.47	9.71	6.34	2.40	6.51	2.71	85.71	30.42	22.84
QUIC Cubic	5	57.94	35.05	28.54	30.35	30.82	31.17	0.16	0.19	0.30
SCReAM	5	0.22	0.22	0.22	1.83	1.50	1.82	0.00	0.00	0.00
Sprout	5	42.16	38.53	31.36	21.05	22.20	24.73	0.00	0.00	0.00
TaoVA-100x	5	6.85	7.75	2.98	2.79	4.18	5.44	85.56	86.63	93.67
TCP Vegas	5	48.12	50.15	47.76	6.52	3.36	3.76	0.00	0.00	0.00
Verus	5	38.73	35.20	28.14	29.44	31.73	32.56	10.20	15.04	20.47
PCC-Vivace	5	56.19	34.24	25.24	2.75	3.67	3.99	0.00	0.00	0.00
WebRTC media	5	0.05	0.05	0.05	3.53	5.30	5.91	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-07-12 04:14:14
End at: 2019-07-12 04:14:44
Local clock offset: -6.573 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2019-07-12 06:29:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 24.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.14 Mbit/s
95th percentile per-packet one-way delay: 24.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.89 Mbit/s
95th percentile per-packet one-way delay: 23.471 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.21 Mbit/s
95th percentile per-packet one-way delay: 25.182 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

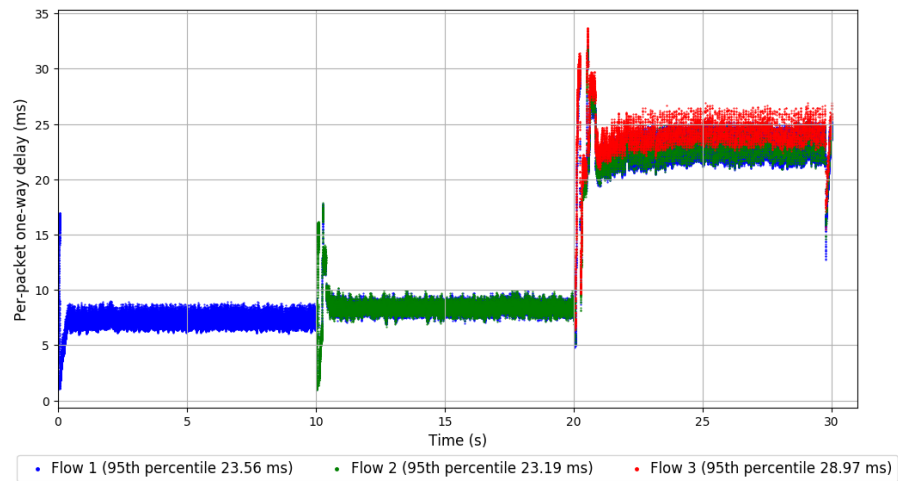
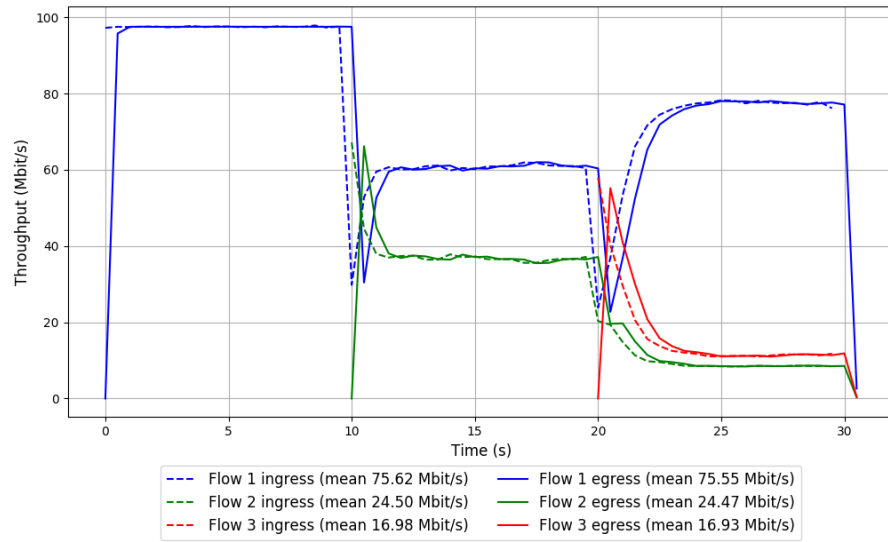


Run 2: Statistics of TCP BBR

Start at: 2019-07-12 04:41:34
End at: 2019-07-12 04:42:04
Local clock offset: -6.508 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-07-12 06:29:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 24.122 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 23.557 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 23.193 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 28.973 ms
Loss rate: 0.13%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-07-12 05:08:56

End at: 2019-07-12 05:09:26

Local clock offset: -6.809 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2019-07-12 06:29:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 22.515 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.18 Mbit/s

95th percentile per-packet one-way delay: 22.119 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.62 Mbit/s

95th percentile per-packet one-way delay: 22.595 ms

Loss rate: 0.00%

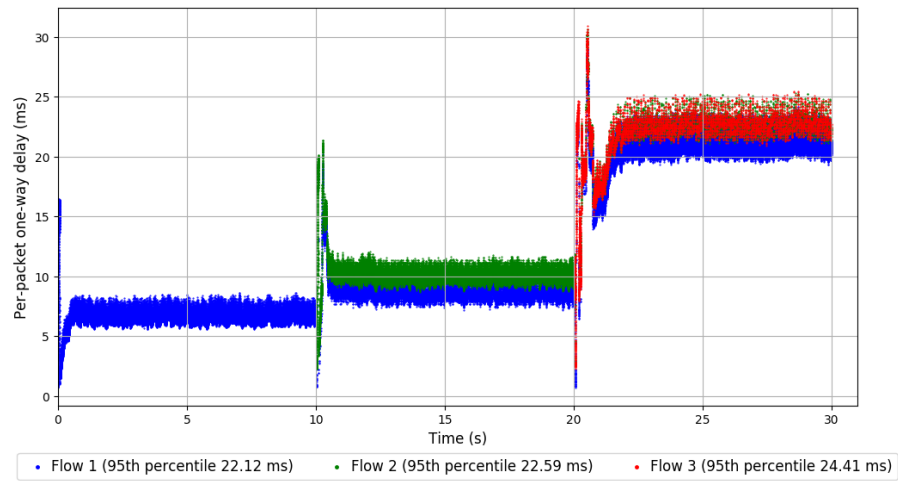
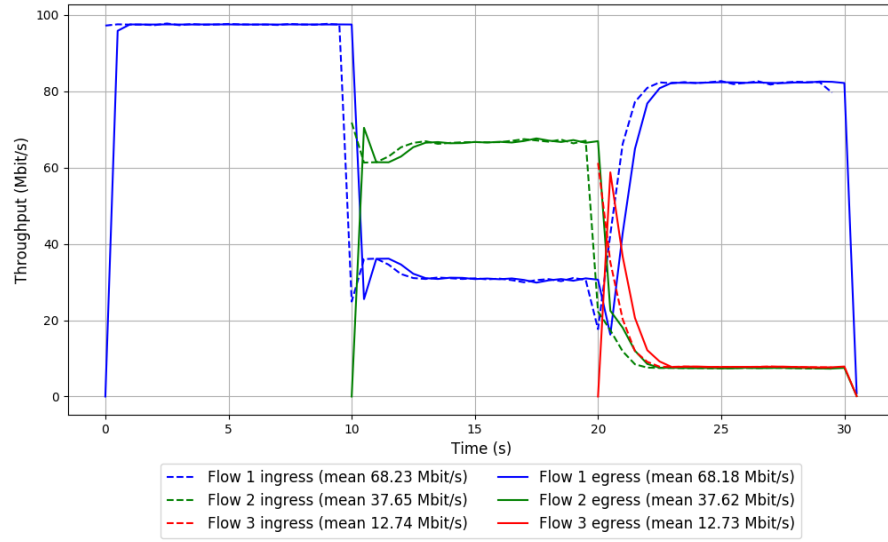
-- Flow 3:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 24.410 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-07-12 05:36:12

End at: 2019-07-12 05:36:43

Local clock offset: -7.223 ms

Remote clock offset: 0.301 ms

Below is generated by plot.py at 2019-07-12 06:29:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.23 Mbit/s

95th percentile per-packet one-way delay: 31.872 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 61.19 Mbit/s

95th percentile per-packet one-way delay: 29.916 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 20.52 Mbit/s

95th percentile per-packet one-way delay: 32.303 ms

Loss rate: 0.86%

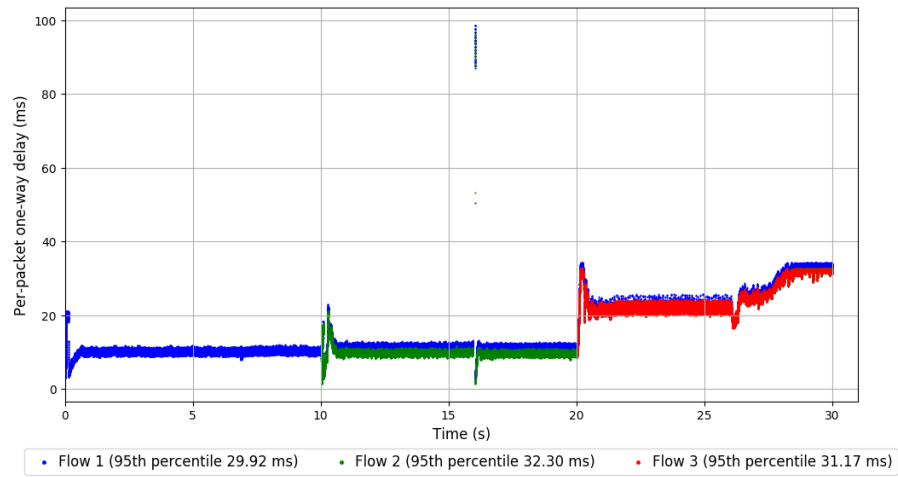
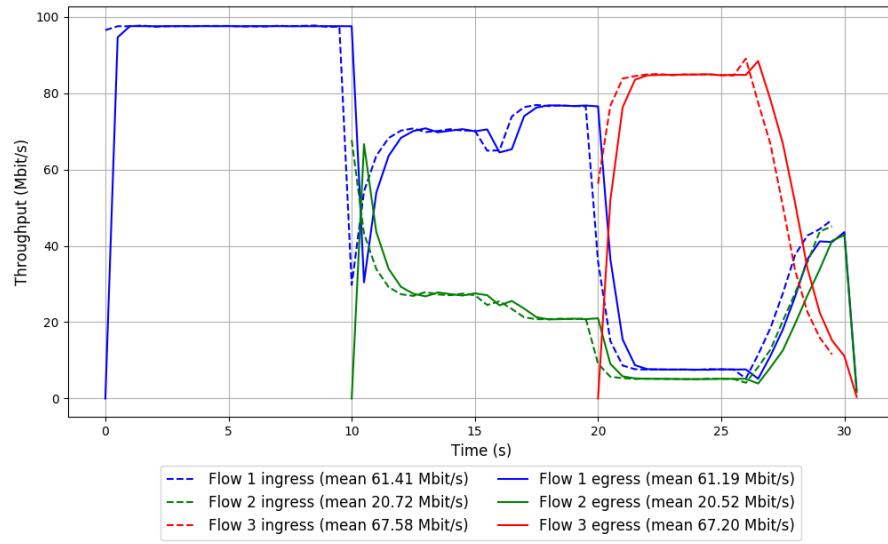
-- Flow 3:

Average throughput: 67.20 Mbit/s

95th percentile per-packet one-way delay: 31.174 ms

Loss rate: 0.33%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-07-12 06:03:31

End at: 2019-07-12 06:04:01

Local clock offset: -6.338 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2019-07-12 06:29:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 28.956 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 73.08 Mbit/s

95th percentile per-packet one-way delay: 28.989 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 26.94 Mbit/s

95th percentile per-packet one-way delay: 27.570 ms

Loss rate: 0.05%

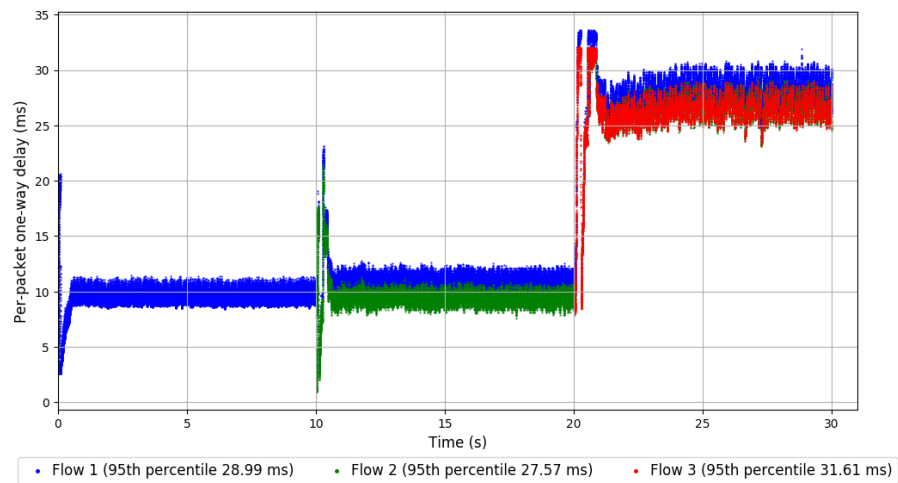
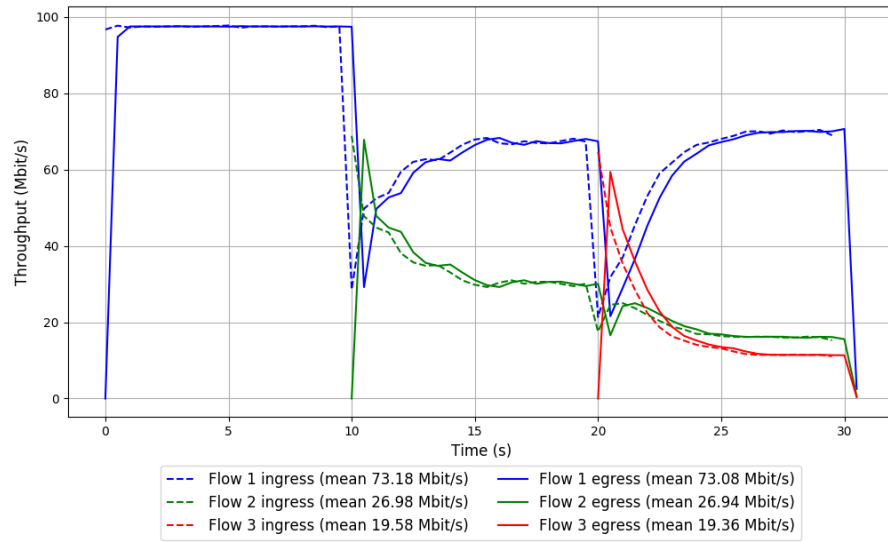
-- Flow 3:

Average throughput: 19.36 Mbit/s

95th percentile per-packet one-way delay: 31.605 ms

Loss rate: 0.93%

Run 5: Report of TCP BBR — Data Link

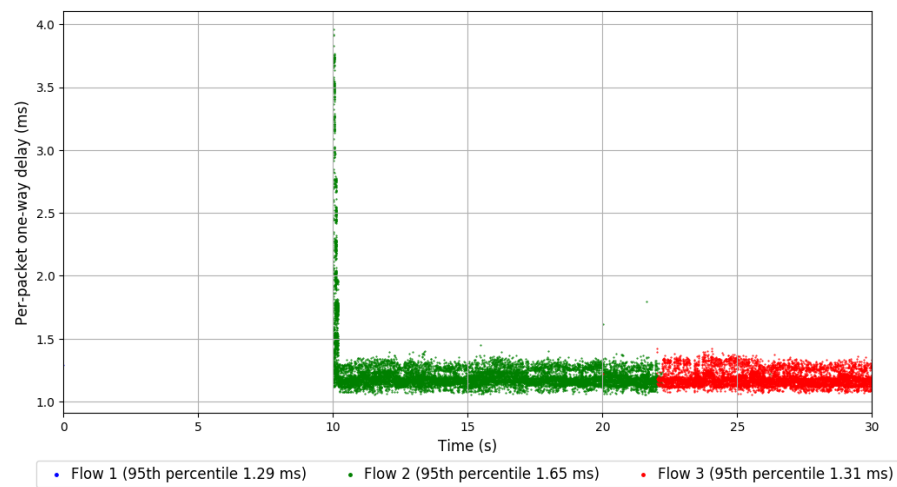
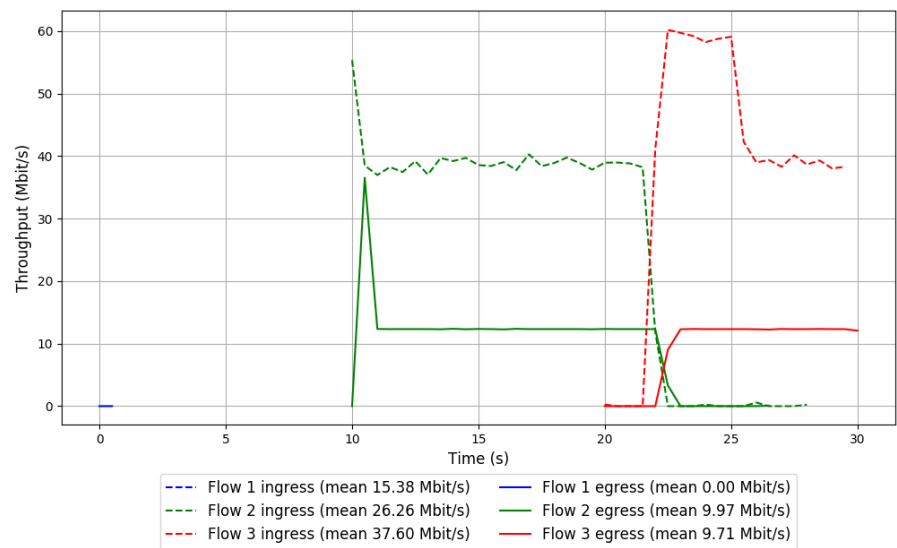


Run 1: Statistics of Copa

Start at: 2019-07-12 04:35:54
End at: 2019-07-12 04:36:24
Local clock offset: -6.589 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-07-12 06:29:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 1.346 ms
Loss rate: 69.72%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 98.33%
-- Flow 2:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 1.651 ms
Loss rate: 66.21%
-- Flow 3:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 74.19%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-07-12 05:03:16

End at: 2019-07-12 05:03:46

Local clock offset: -6.591 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2019-07-12 06:29:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 0.869 ms

Loss rate: 67.75%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.861 ms

Loss rate: 98.60%

-- Flow 2:

Average throughput: 12.93 Mbit/s

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

Loss rate: 67.71%

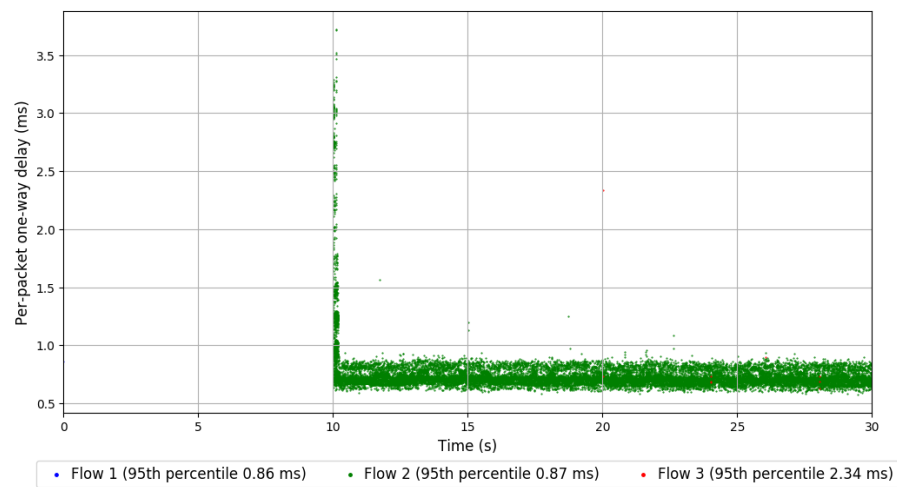
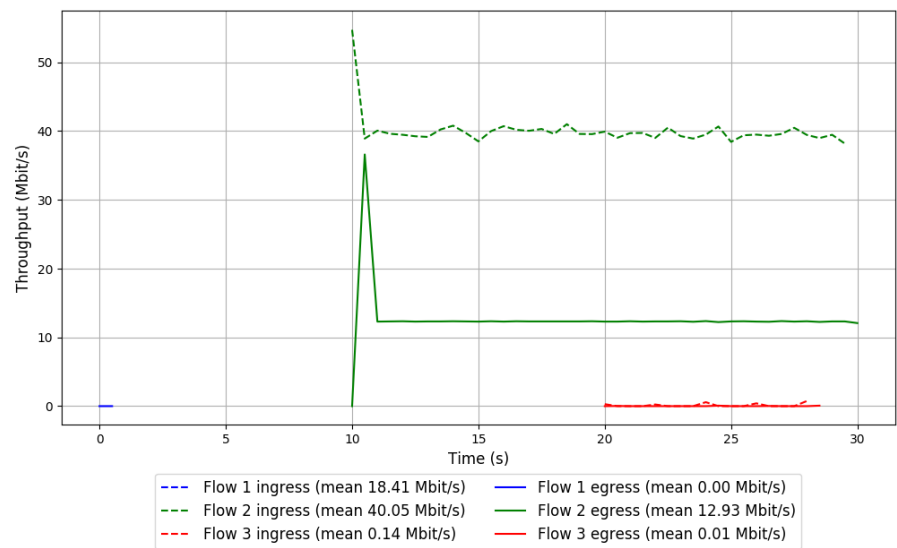
-- Flow 3:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 91.41%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-07-12 05:30:32

End at: 2019-07-12 05:31:02

Local clock offset: -7.163 ms

Remote clock offset: 0.409 ms

Below is generated by plot.py at 2019-07-12 06:29:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 1.227 ms

Loss rate: 67.87%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 2.620 ms

Loss rate: 78.66%

-- Flow 2:

Average throughput: 12.93 Mbit/s

95th percentile per-packet one-way delay: 1.227 ms

Loss rate: 67.84%

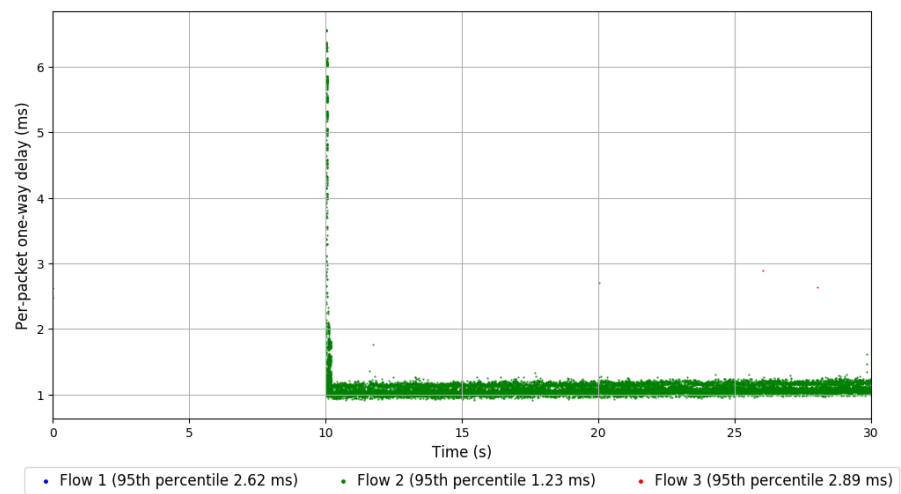
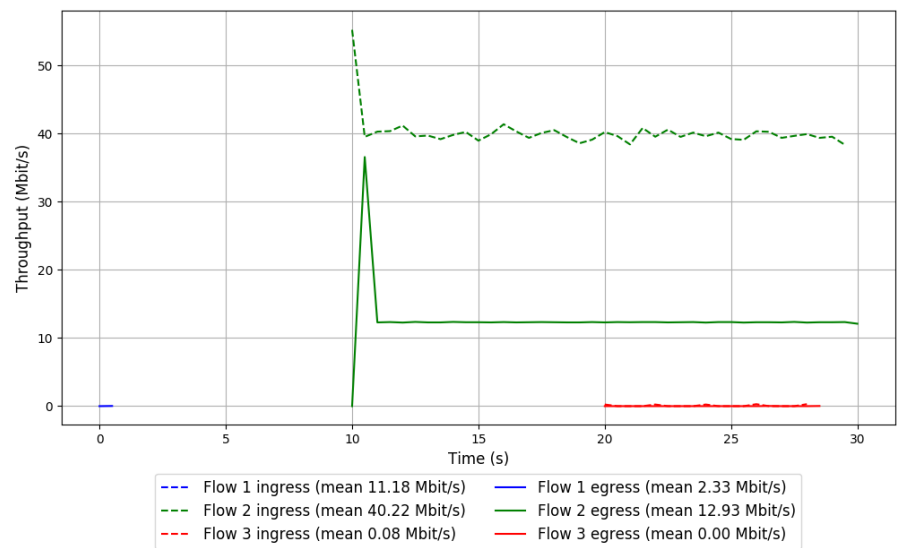
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.890 ms

Loss rate: 96.14%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-07-12 05:57:50

End at: 2019-07-12 05:58:20

Local clock offset: -6.654 ms

Remote clock offset: 0.481 ms

Below is generated by plot.py at 2019-07-12 06:29:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 3.615 ms

Loss rate: 66.81%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 3.547 ms

Loss rate: 97.92%

-- Flow 2:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 3.630 ms

Loss rate: 64.64%

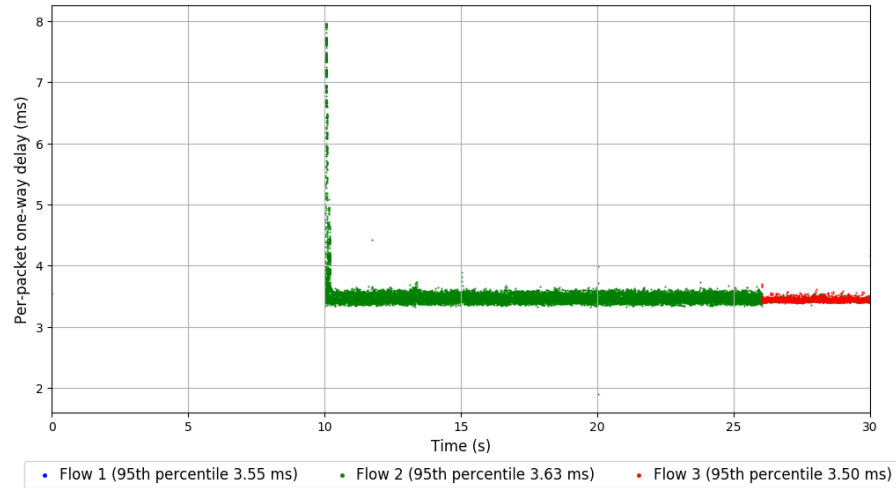
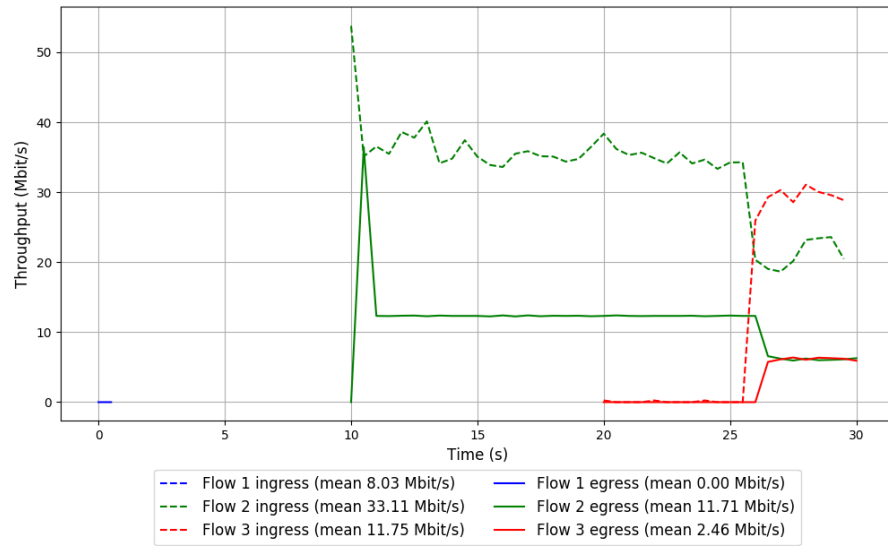
-- Flow 3:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 3.503 ms

Loss rate: 79.06%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-07-12 06:25:09

End at: 2019-07-12 06:25:39

Local clock offset: -7.049 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2019-07-12 06:29:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 2.517 ms

Loss rate: 68.36%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.918 ms

Loss rate: 97.92%

-- Flow 2:

Average throughput: 12.93 Mbit/s

95th percentile per-packet one-way delay: 2.517 ms

Loss rate: 68.34%

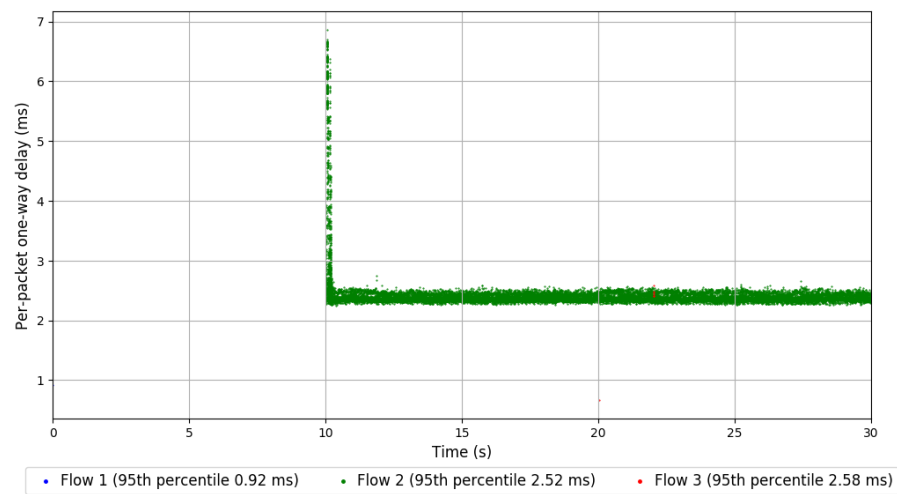
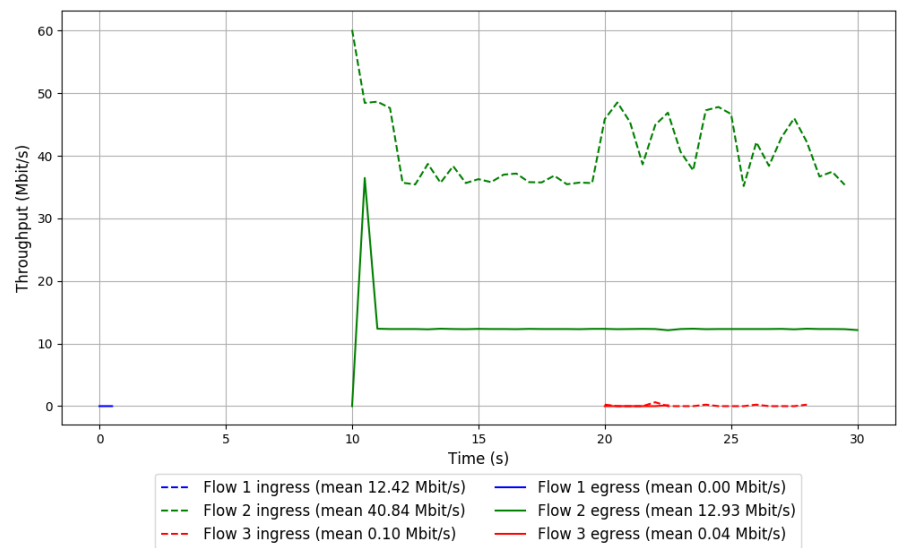
-- Flow 3:

Average throughput: 0.04 Mbit/s

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

Loss rate: 90.79%

Run 5: Report of Copa — Data Link

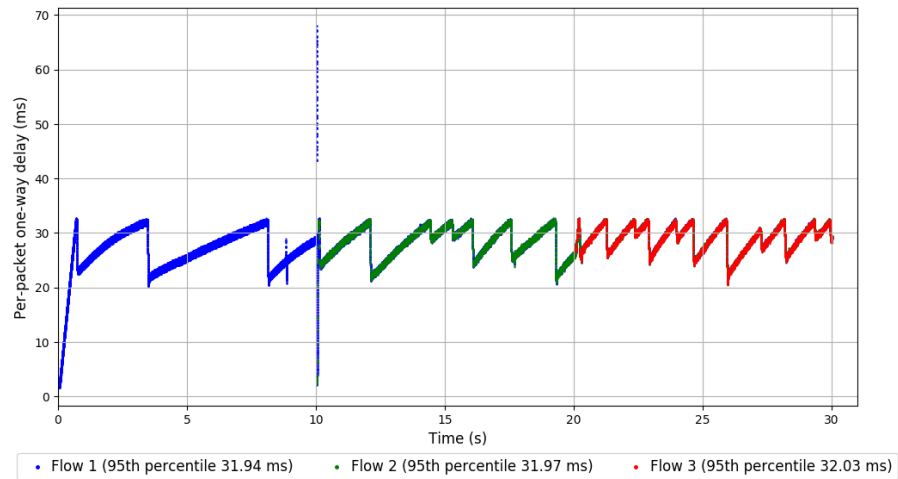
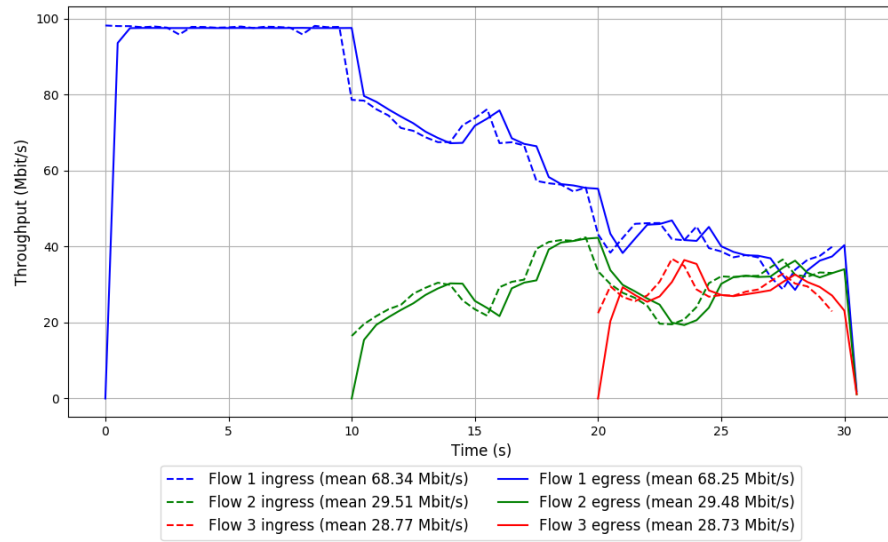


Run 1: Statistics of TCP Cubic

Start at: 2019-07-12 04:37:00
End at: 2019-07-12 04:37:30
Local clock offset: -7.073 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-07-12 06:30:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 31.952 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 68.25 Mbit/s
95th percentile per-packet one-way delay: 31.937 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 29.48 Mbit/s
95th percentile per-packet one-way delay: 31.969 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.73 Mbit/s
95th percentile per-packet one-way delay: 32.028 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-07-12 05:04:22

End at: 2019-07-12 05:04:52

Local clock offset: -7.653 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2019-07-12 06:30:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 33.329 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 57.23 Mbit/s

95th percentile per-packet one-way delay: 33.367 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 44.12 Mbit/s

95th percentile per-packet one-way delay: 31.921 ms

Loss rate: 0.03%

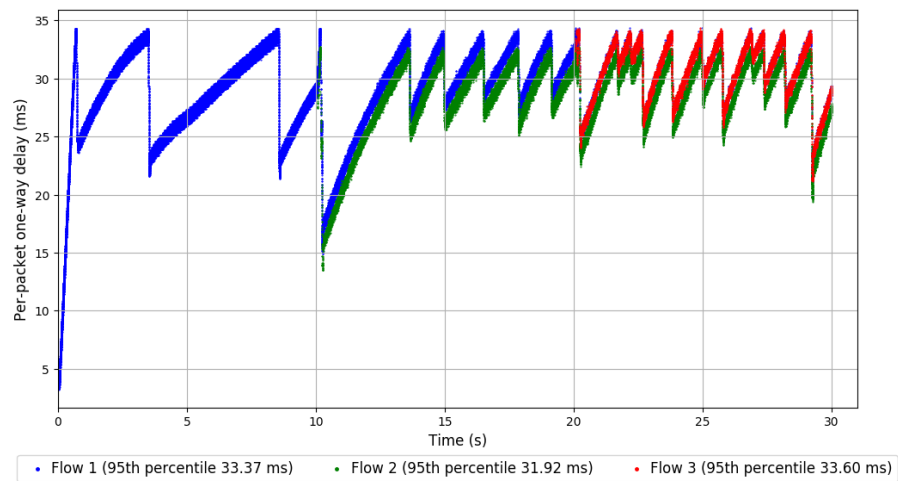
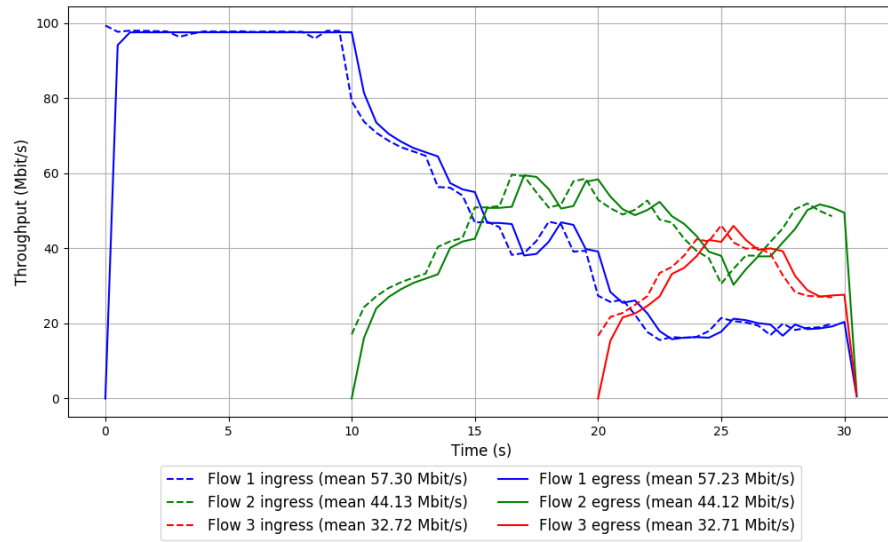
-- Flow 3:

Average throughput: 32.71 Mbit/s

95th percentile per-packet one-way delay: 33.600 ms

Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-07-12 05:31:38

End at: 2019-07-12 05:32:08

Local clock offset: -7.708 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2019-07-12 06:30:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 31.913 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 67.62 Mbit/s

95th percentile per-packet one-way delay: 31.791 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 31.990 ms

Loss rate: 0.04%

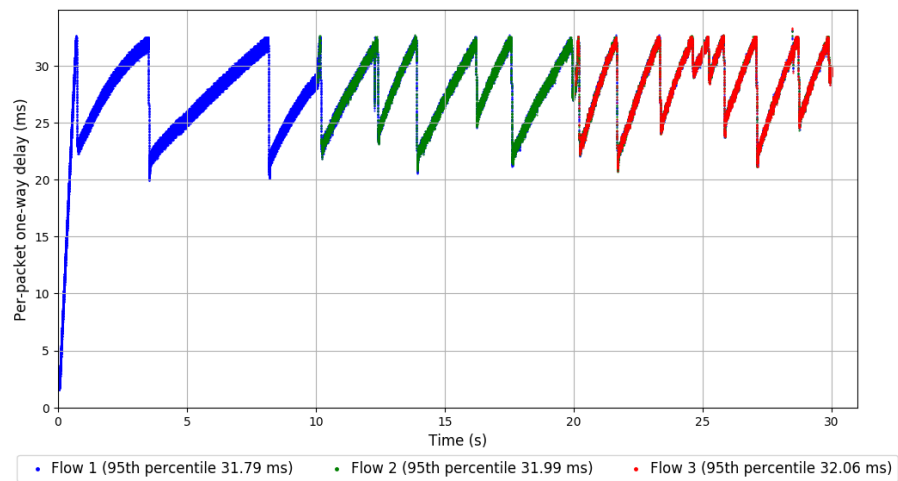
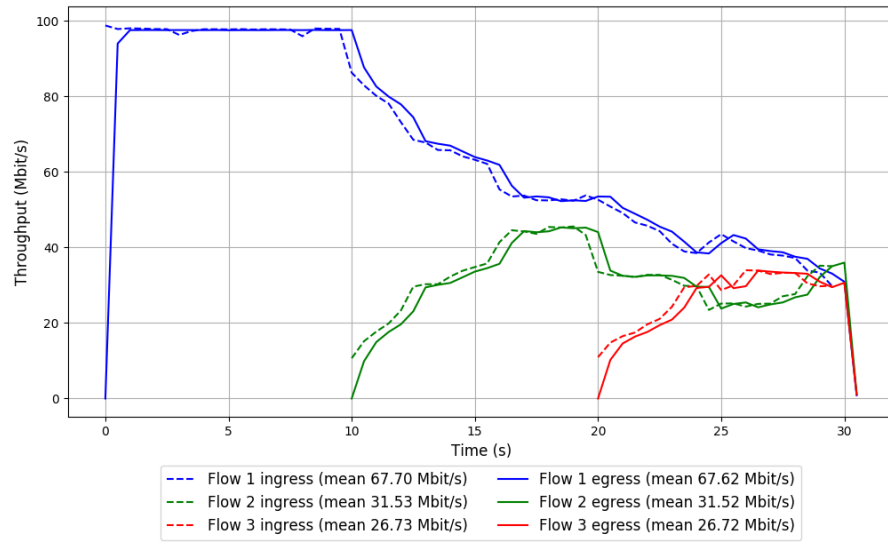
-- Flow 3:

Average throughput: 26.72 Mbit/s

95th percentile per-packet one-way delay: 32.060 ms

Loss rate: 0.03%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-07-12 05:58:56

End at: 2019-07-12 05:59:26

Local clock offset: -6.635 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2019-07-12 06:30:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.246 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 33.343 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.73 Mbit/s

95th percentile per-packet one-way delay: 31.759 ms

Loss rate: 0.02%

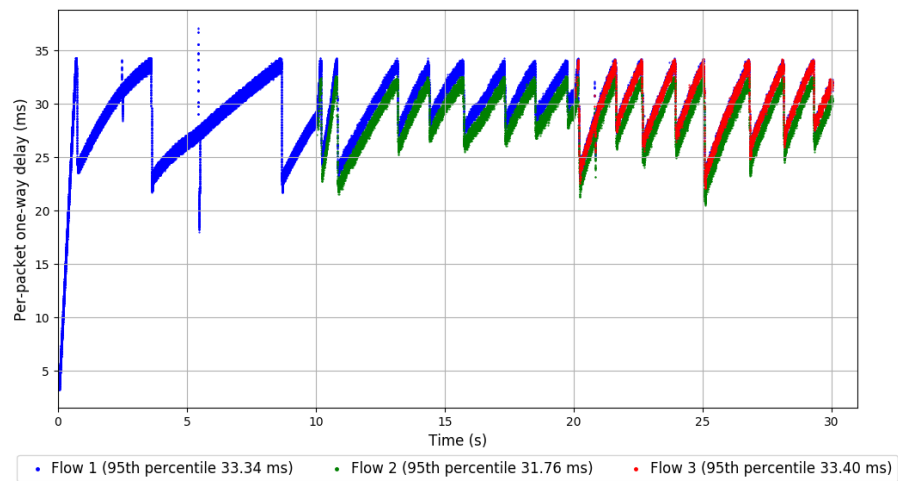
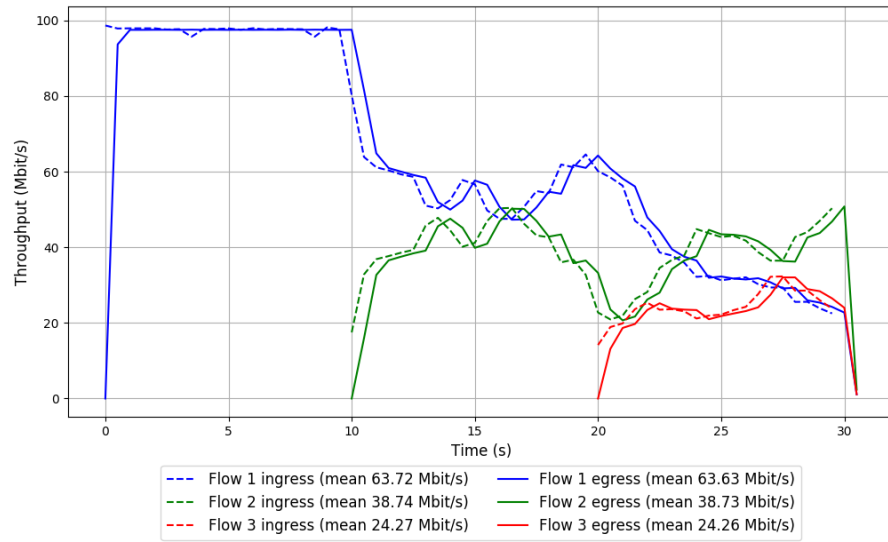
-- Flow 3:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 33.397 ms

Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-07-12 06:26:15

End at: 2019-07-12 06:26:45

Local clock offset: -7.845 ms

Remote clock offset: 0.466 ms

Below is generated by plot.py at 2019-07-12 06:30:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 33.215 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 63.07 Mbit/s

95th percentile per-packet one-way delay: 33.267 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 31.846 ms

Loss rate: 0.04%

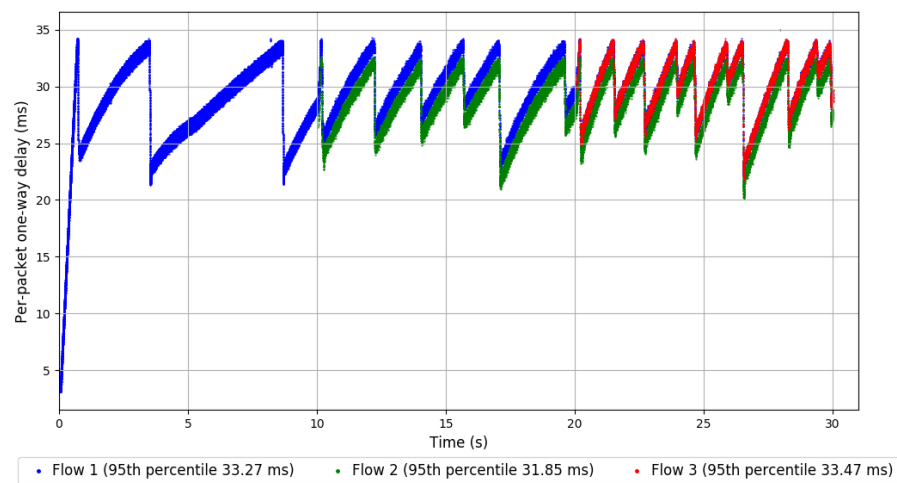
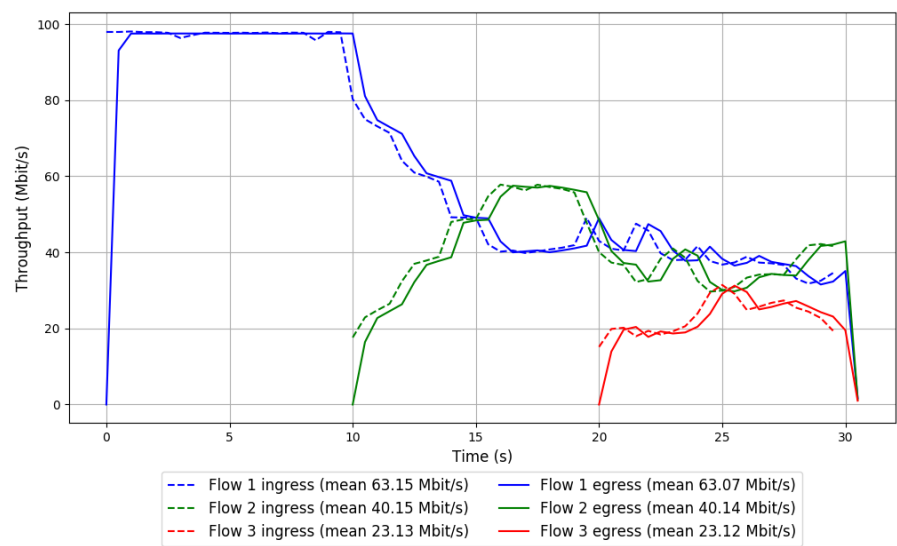
-- Flow 3:

Average throughput: 23.12 Mbit/s

95th percentile per-packet one-way delay: 33.467 ms

Loss rate: 0.08%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-07-12 04:30:12

End at: 2019-07-12 04:30:42

Local clock offset: -7.544 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-07-12 06:31:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 31.322 ms

Loss rate: 18.30%

-- Flow 1:

Average throughput: 44.98 Mbit/s

95th percentile per-packet one-way delay: 31.187 ms

Loss rate: 16.84%

-- Flow 2:

Average throughput: 67.99 Mbit/s

95th percentile per-packet one-way delay: 31.372 ms

Loss rate: 19.15%

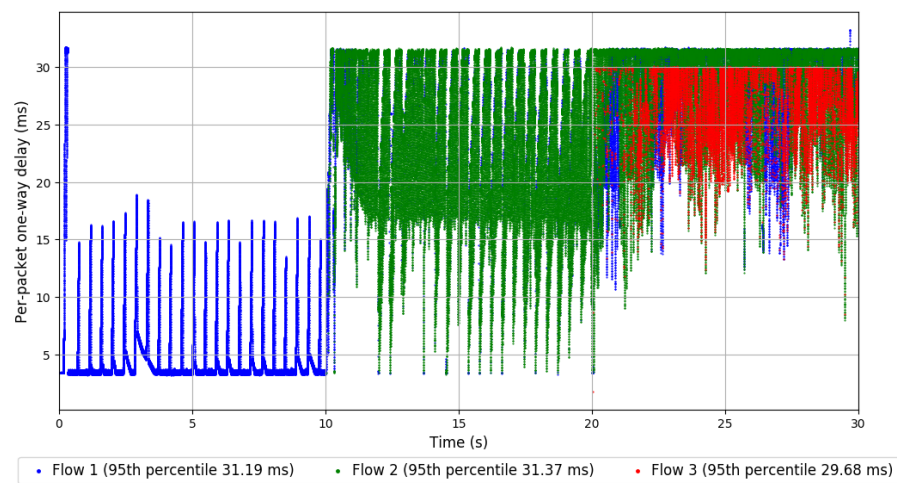
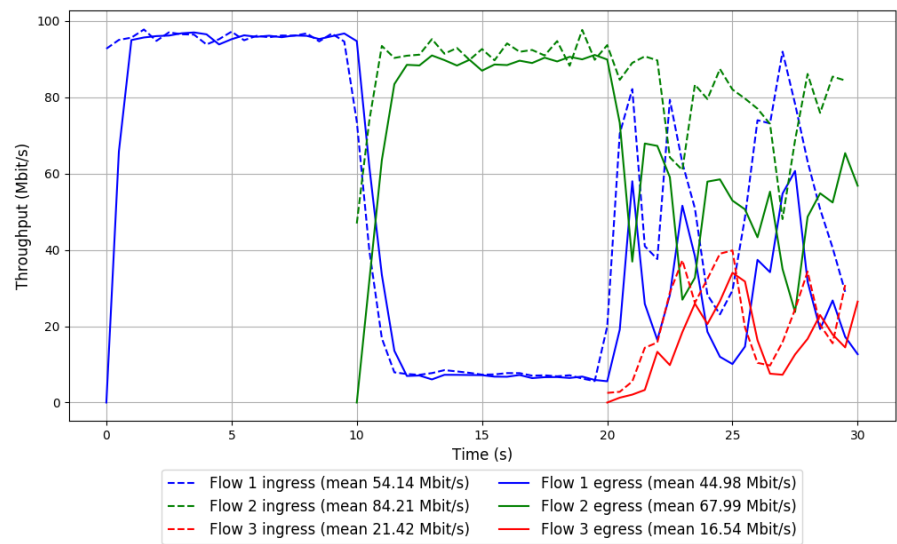
-- Flow 3:

Average throughput: 16.54 Mbit/s

95th percentile per-packet one-way delay: 29.682 ms

Loss rate: 22.66%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-07-12 04:57:32

End at: 2019-07-12 04:58:02

Local clock offset: -6.598 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2019-07-12 06:31:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.37 Mbit/s

95th percentile per-packet one-way delay: 30.290 ms

Loss rate: 14.80%

-- Flow 1:

Average throughput: 59.85 Mbit/s

95th percentile per-packet one-way delay: 29.552 ms

Loss rate: 8.96%

-- Flow 2:

Average throughput: 14.27 Mbit/s

95th percentile per-packet one-way delay: 28.308 ms

Loss rate: 11.10%

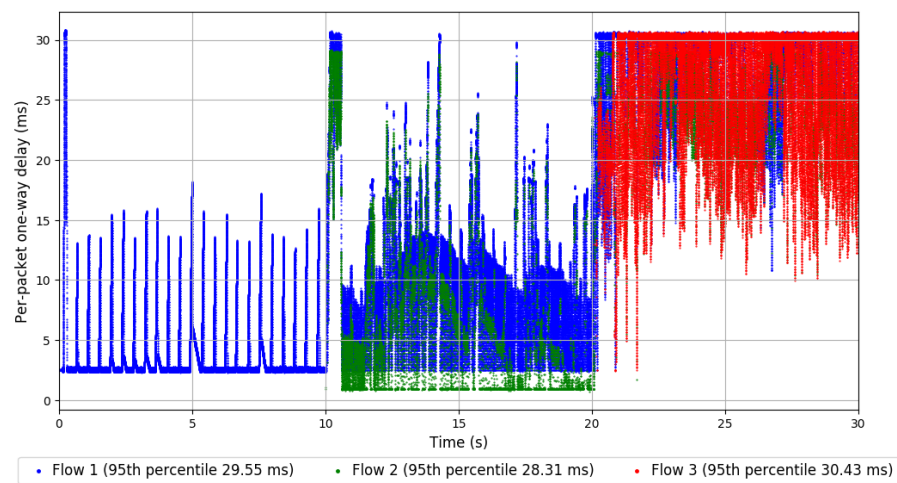
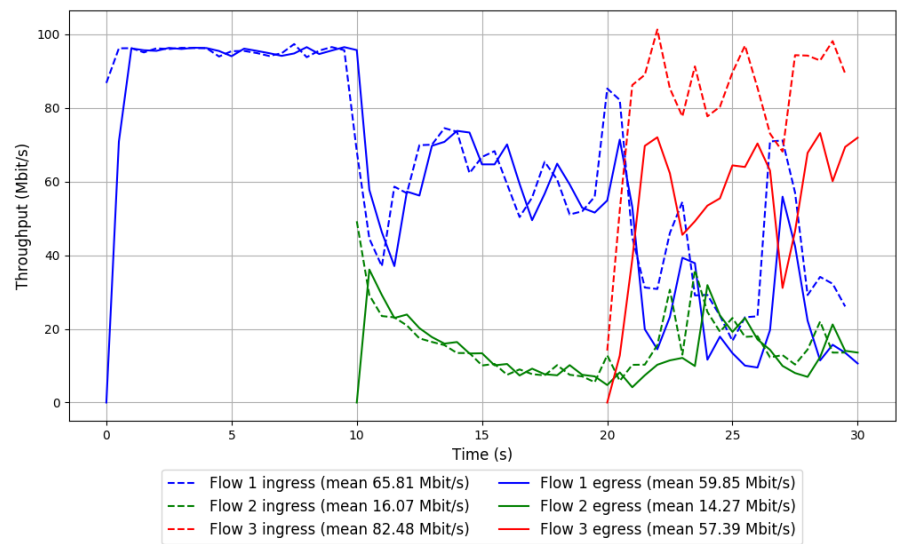
-- Flow 3:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 30.430 ms

Loss rate: 30.30%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-07-12 05:24:53

End at: 2019-07-12 05:25:23

Local clock offset: -7.557 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2019-07-12 06:31:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.42 Mbit/s

95th percentile per-packet one-way delay: 29.007 ms

Loss rate: 13.22%

-- Flow 1:

Average throughput: 62.67 Mbit/s

95th percentile per-packet one-way delay: 29.446 ms

Loss rate: 6.38%

-- Flow 2:

Average throughput: 17.26 Mbit/s

95th percentile per-packet one-way delay: 27.955 ms

Loss rate: 6.68%

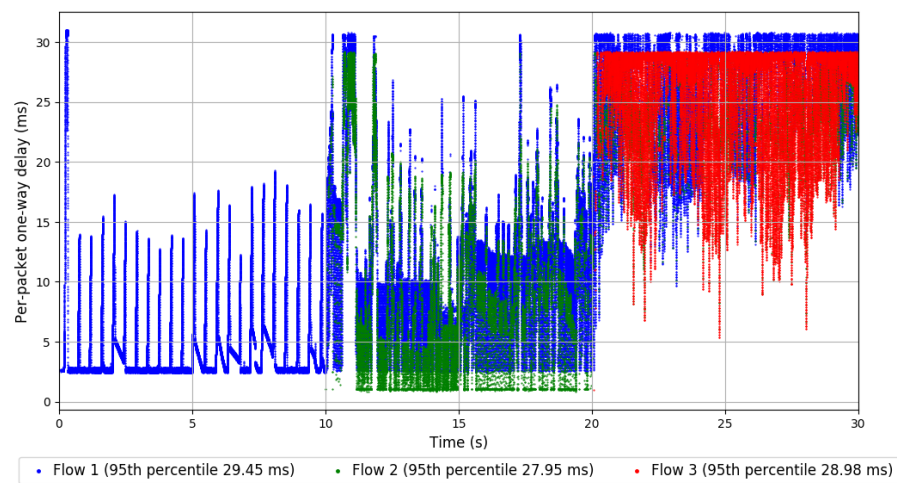
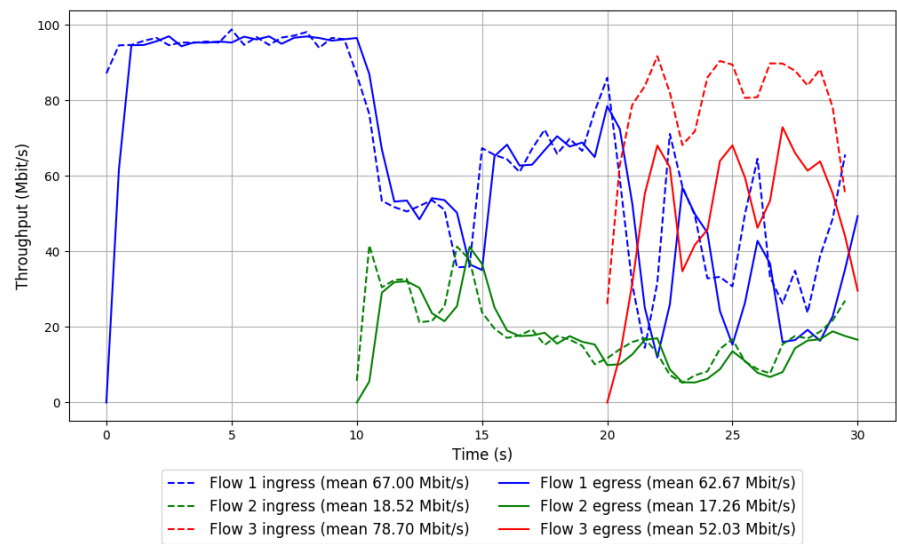
-- Flow 3:

Average throughput: 52.03 Mbit/s

95th percentile per-packet one-way delay: 28.985 ms

Loss rate: 33.82%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-07-12 05:52:09

End at: 2019-07-12 05:52:39

Local clock offset: -6.571 ms

Remote clock offset: 0.384 ms

Below is generated by plot.py at 2019-07-12 06:31:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 30.922 ms

Loss rate: 16.64%

-- Flow 1:

Average throughput: 52.97 Mbit/s

95th percentile per-packet one-way delay: 28.093 ms

Loss rate: 6.72%

-- Flow 2:

Average throughput: 23.18 Mbit/s

95th percentile per-packet one-way delay: 29.314 ms

Loss rate: 19.20%

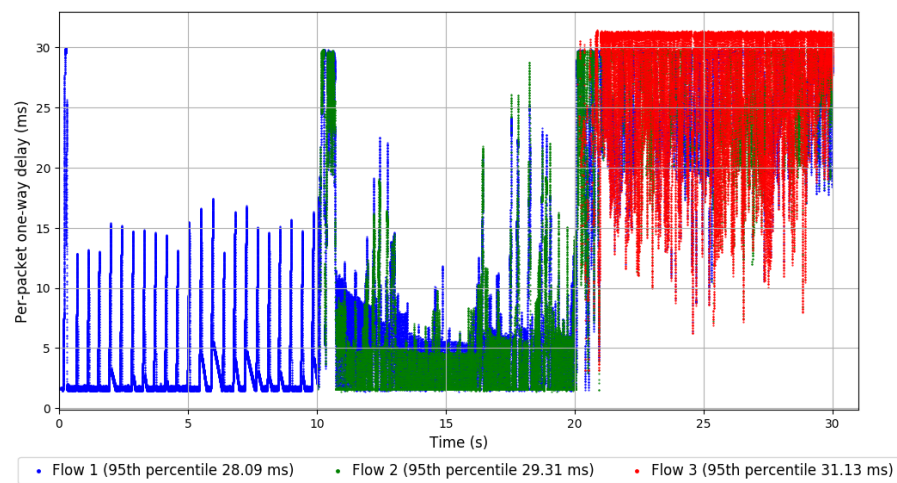
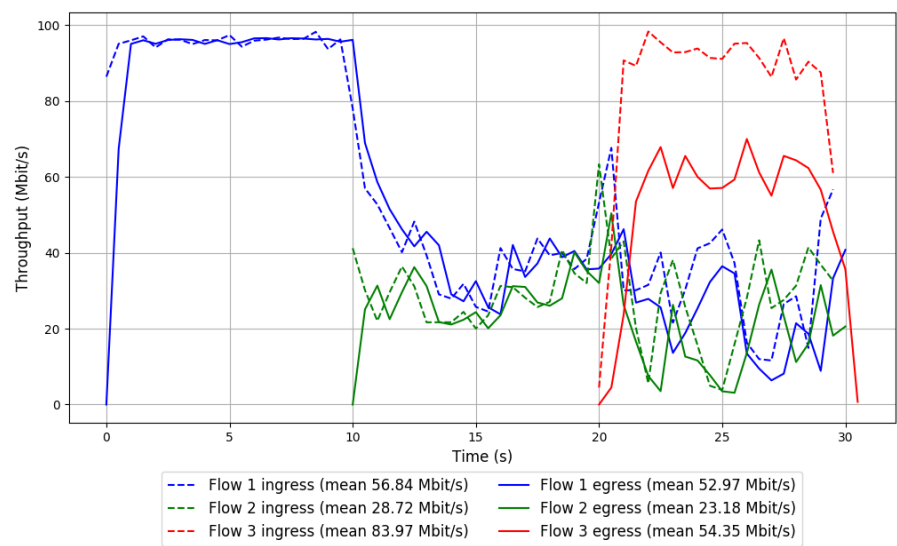
-- Flow 3:

Average throughput: 54.35 Mbit/s

95th percentile per-packet one-way delay: 31.134 ms

Loss rate: 35.13%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-07-12 06:19:26

End at: 2019-07-12 06:19:56

Local clock offset: -7.145 ms

Remote clock offset: 0.481 ms

Below is generated by plot.py at 2019-07-12 06:31:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 30.079 ms

Loss rate: 23.05%

-- Flow 1:

Average throughput: 48.65 Mbit/s

95th percentile per-packet one-way delay: 30.053 ms

Loss rate: 14.41%

-- Flow 2:

Average throughput: 51.94 Mbit/s

95th percentile per-packet one-way delay: 28.968 ms

Loss rate: 24.38%

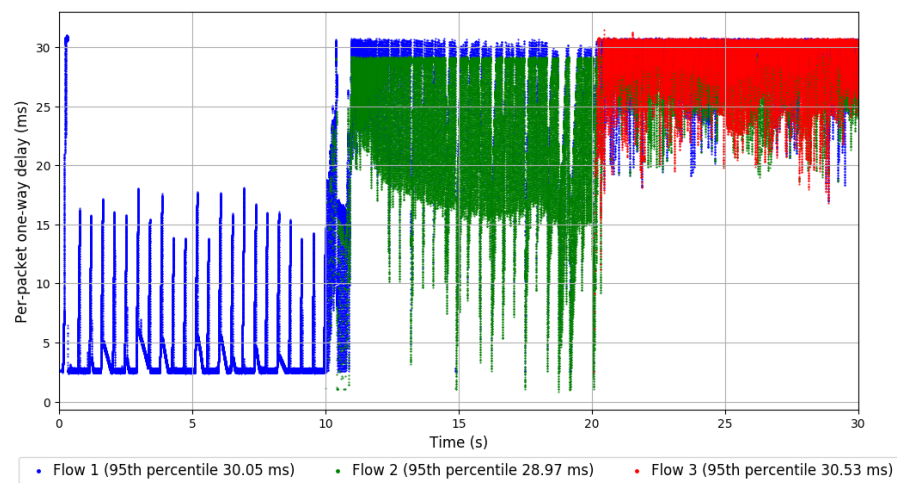
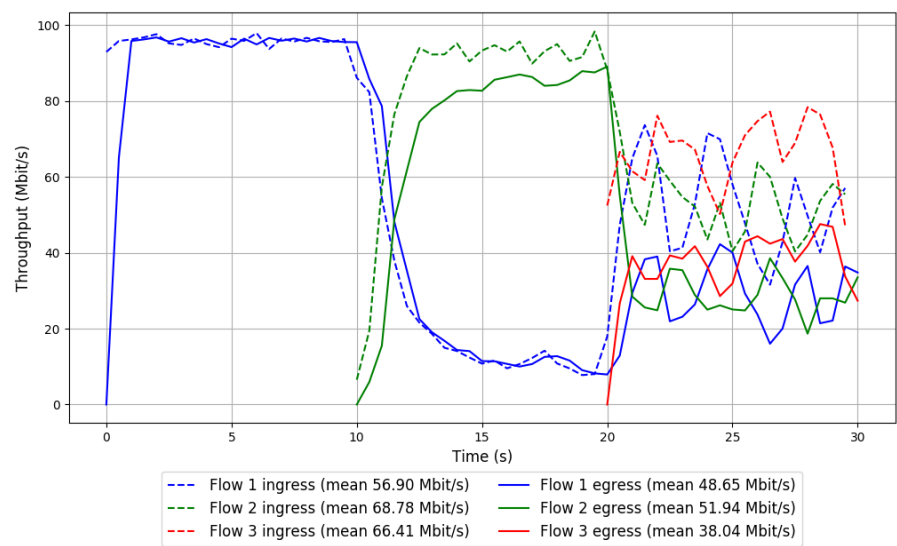
-- Flow 3:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 30.529 ms

Loss rate: 42.63%

Run 5: Report of FillP — Data Link

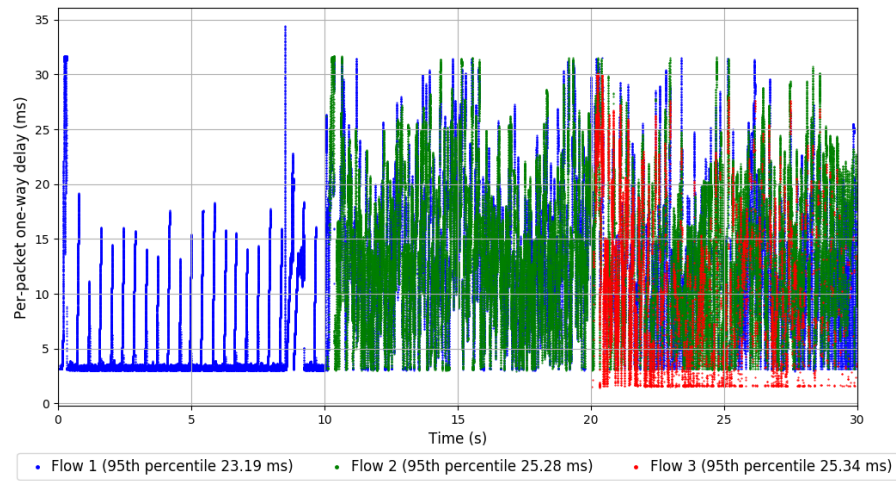
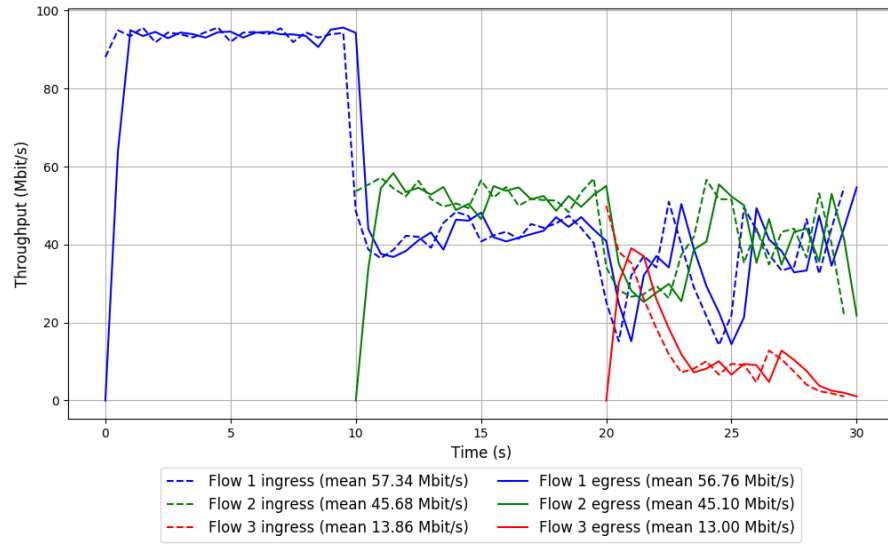


Run 1: Statistics of FillP-Sheep

Start at: 2019-07-12 04:25:40
End at: 2019-07-12 04:26:10
Local clock offset: -7.416 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2019-07-12 06:31:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 24.386 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 23.193 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 45.10 Mbit/s
95th percentile per-packet one-way delay: 25.282 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 25.342 ms
Loss rate: 6.25%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-07-12 04:53:01

End at: 2019-07-12 04:53:31

Local clock offset: -6.307 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2019-07-12 06:32:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 22.729 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 61.44 Mbit/s

95th percentile per-packet one-way delay: 19.971 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 22.172 ms

Loss rate: 1.25%

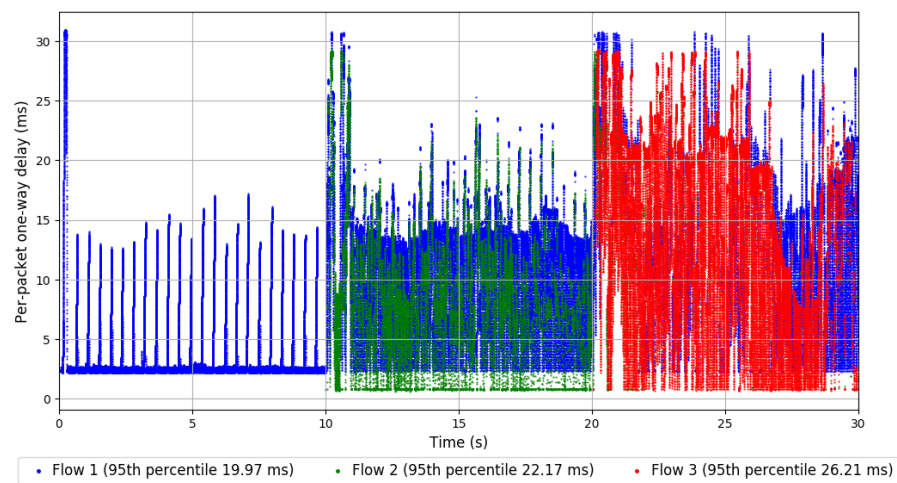
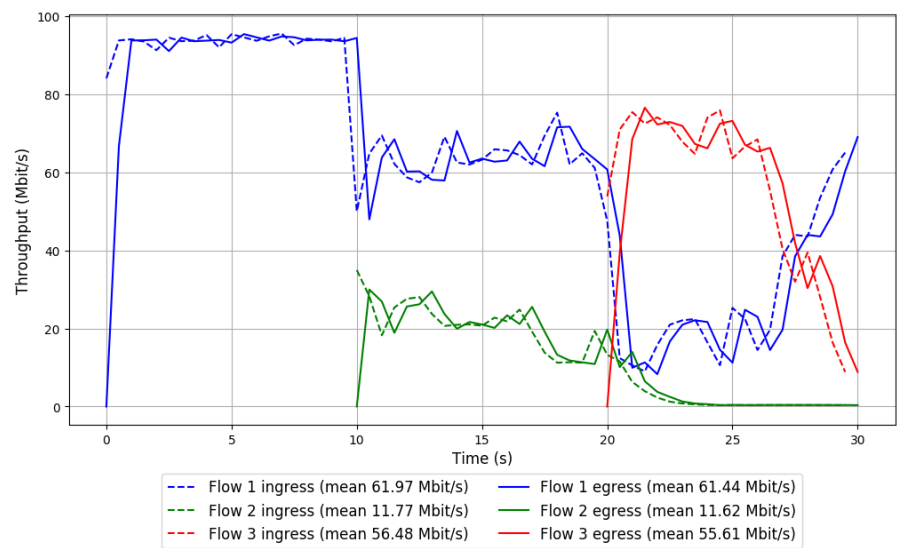
-- Flow 3:

Average throughput: 55.61 Mbit/s

95th percentile per-packet one-way delay: 26.211 ms

Loss rate: 1.54%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-07-12 05:20:22

End at: 2019-07-12 05:20:52

Local clock offset: -7.406 ms

Remote clock offset: 0.28 ms

Below is generated by plot.py at 2019-07-12 06:32:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 22.371 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 42.10 Mbit/s

95th percentile per-packet one-way delay: 15.460 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 41.21 Mbit/s

95th percentile per-packet one-way delay: 22.420 ms

Loss rate: 0.64%

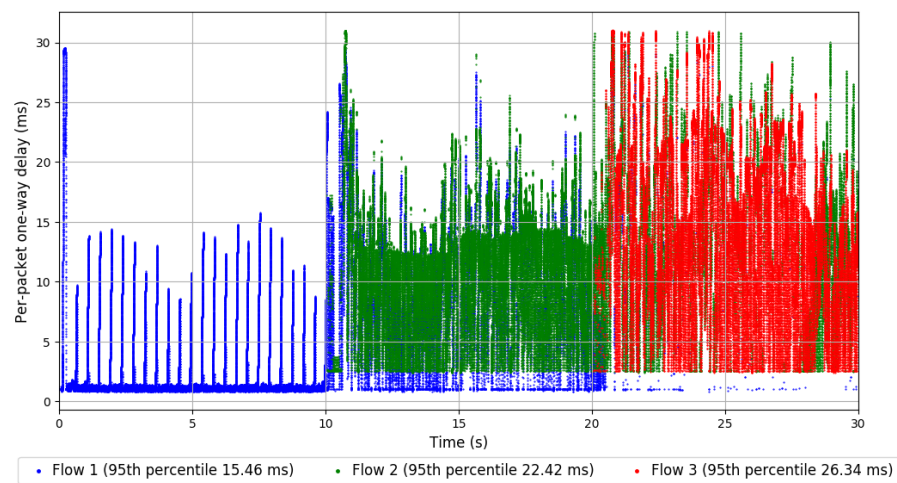
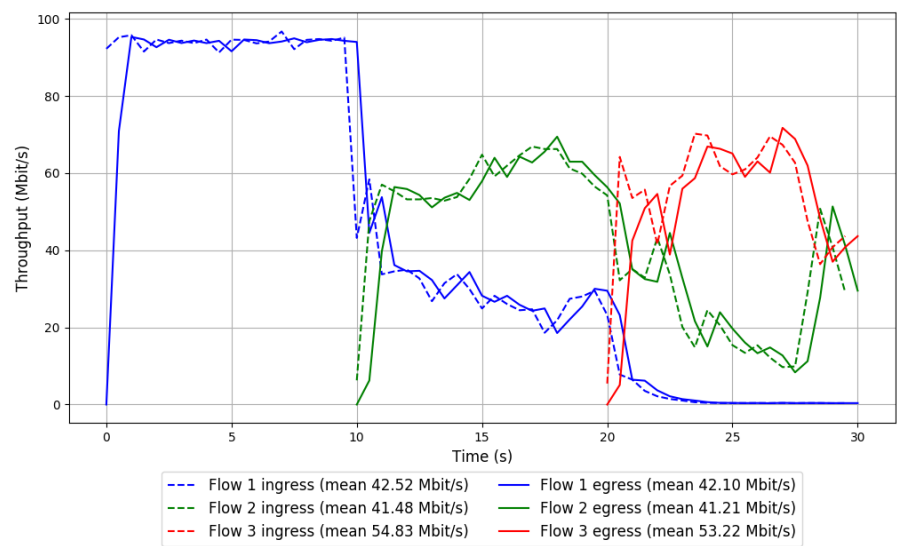
-- Flow 3:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 26.338 ms

Loss rate: 2.90%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-07-12 05:47:38

End at: 2019-07-12 05:48:08

Local clock offset: -6.587 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2019-07-12 06:32:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.67 Mbit/s

95th percentile per-packet one-way delay: 17.283 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 47.37 Mbit/s

95th percentile per-packet one-way delay: 13.587 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 22.66 Mbit/s

95th percentile per-packet one-way delay: 16.605 ms

Loss rate: 0.01%

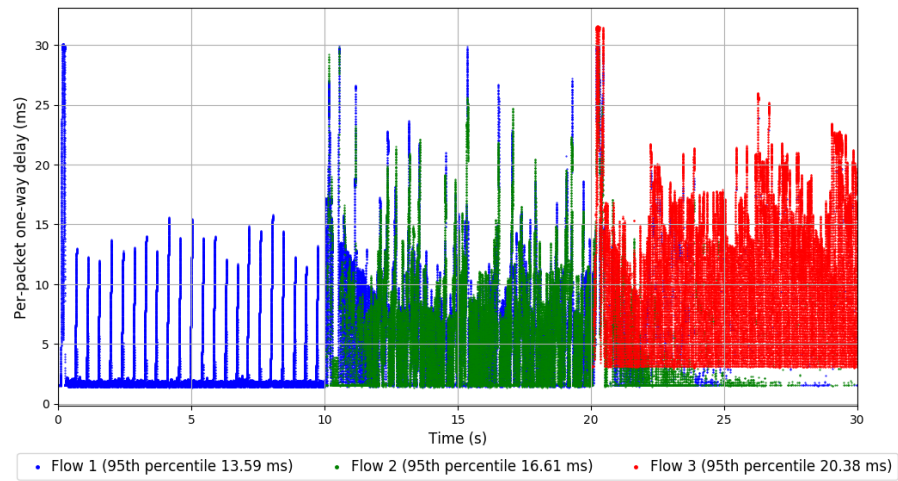
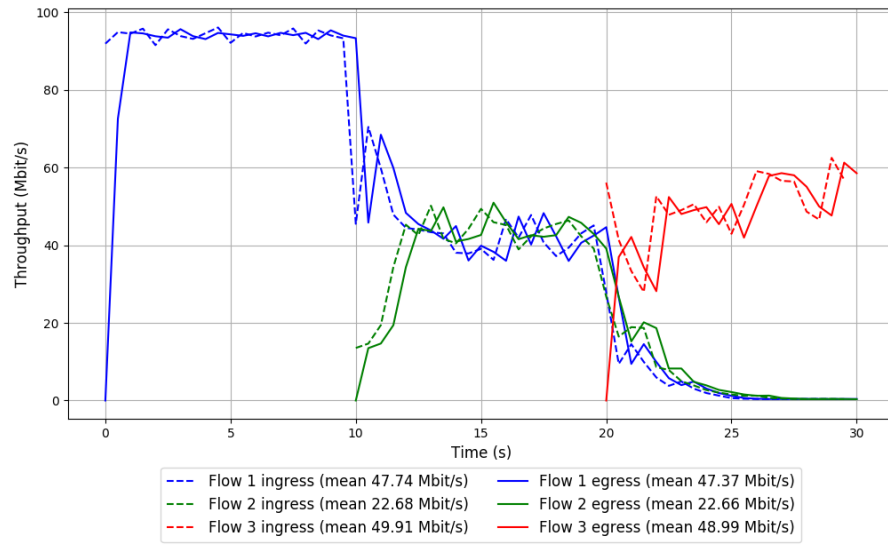
-- Flow 3:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 20.384 ms

Loss rate: 1.74%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-07-12 06:14:57

End at: 2019-07-12 06:15:27

Local clock offset: -7.798 ms

Remote clock offset: 0.409 ms

Below is generated by plot.py at 2019-07-12 06:32:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.85 Mbit/s

95th percentile per-packet one-way delay: 28.041 ms

Loss rate: 1.92%

-- Flow 1:

Average throughput: 54.94 Mbit/s

95th percentile per-packet one-way delay: 25.722 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 35.63 Mbit/s

95th percentile per-packet one-way delay: 28.611 ms

Loss rate: 2.60%

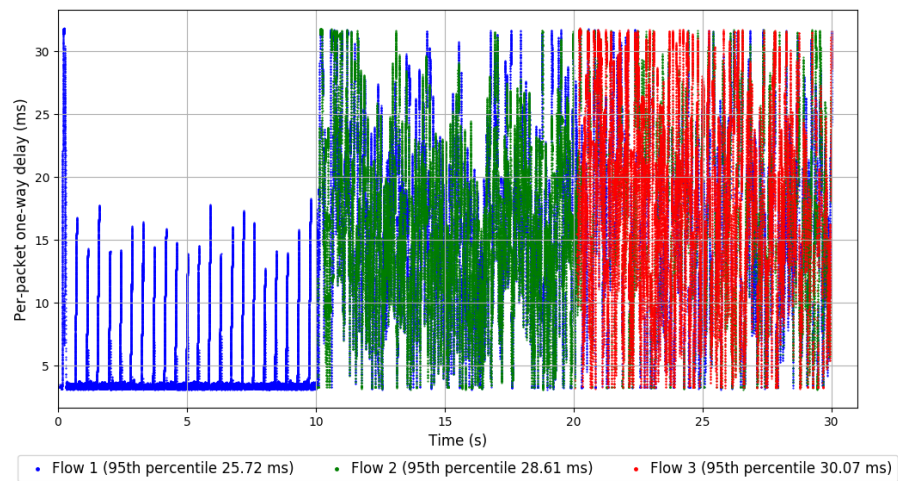
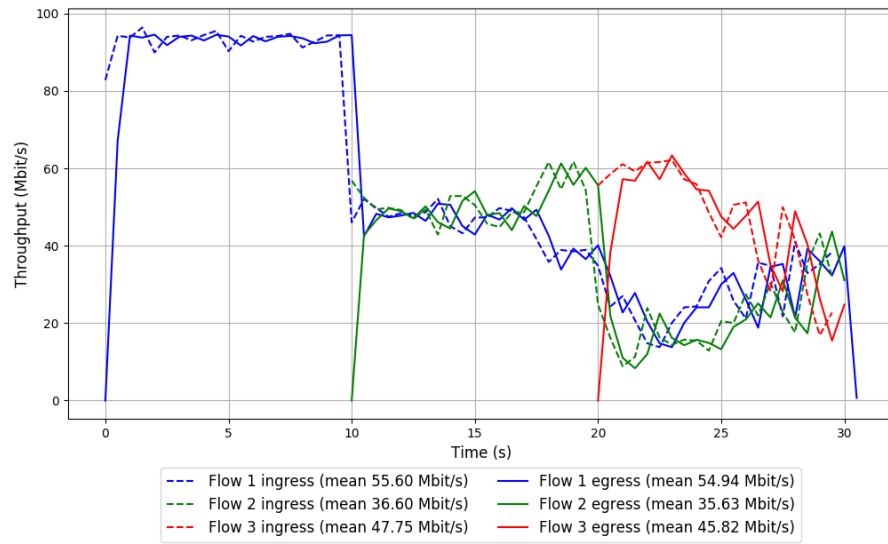
-- Flow 3:

Average throughput: 45.82 Mbit/s

95th percentile per-packet one-way delay: 30.067 ms

Loss rate: 3.79%

Run 5: Report of FillP-Sheep — Data Link

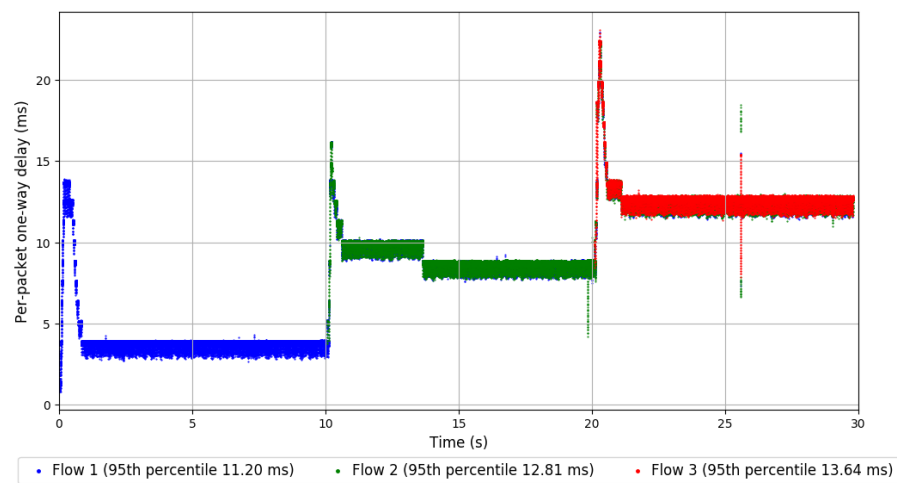
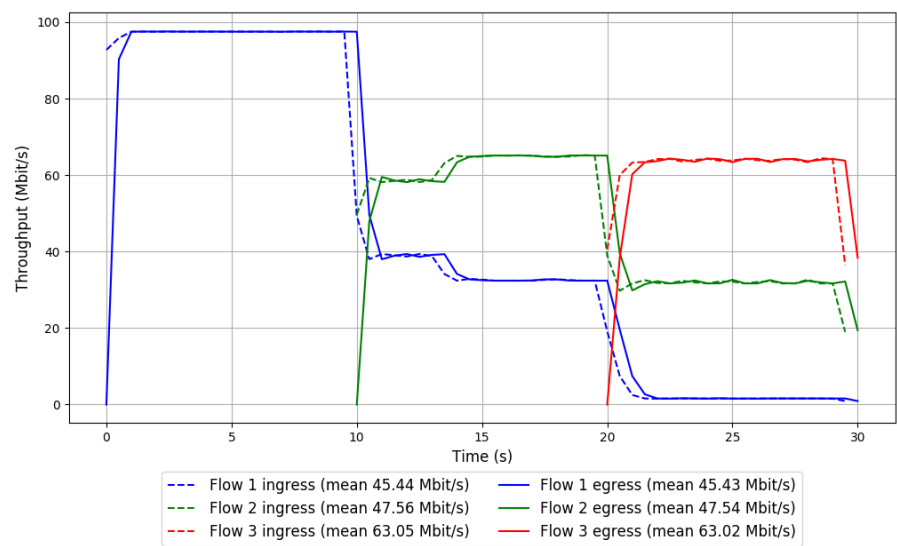


Run 1: Statistics of Indigo

Start at: 2019-07-12 04:16:31
End at: 2019-07-12 04:17:01
Local clock offset: -6.517 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2019-07-12 06:32:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 12.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.43 Mbit/s
95th percentile per-packet one-way delay: 11.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.54 Mbit/s
95th percentile per-packet one-way delay: 12.815 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.02 Mbit/s
95th percentile per-packet one-way delay: 13.645 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-07-12 04:43:52

End at: 2019-07-12 04:44:22

Local clock offset: -6.238 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2019-07-12 06:32:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 12.363 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.61 Mbit/s

95th percentile per-packet one-way delay: 11.322 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.36 Mbit/s

95th percentile per-packet one-way delay: 12.330 ms

Loss rate: 0.00%

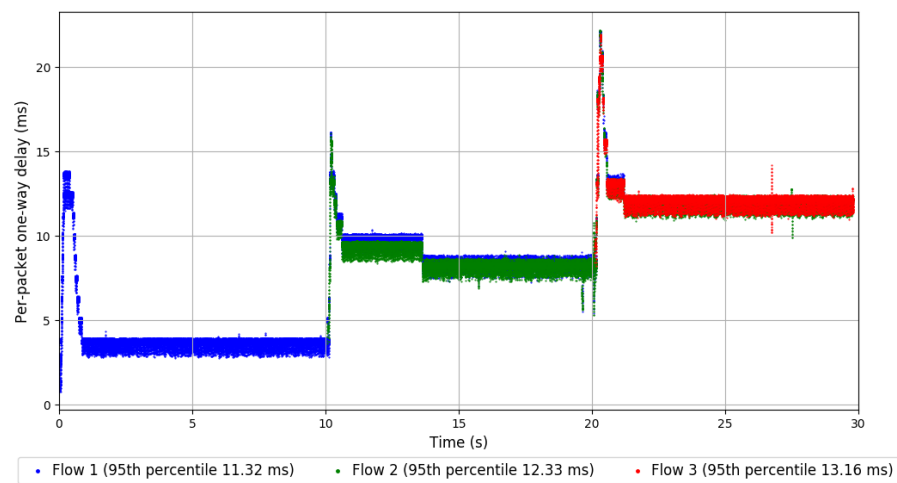
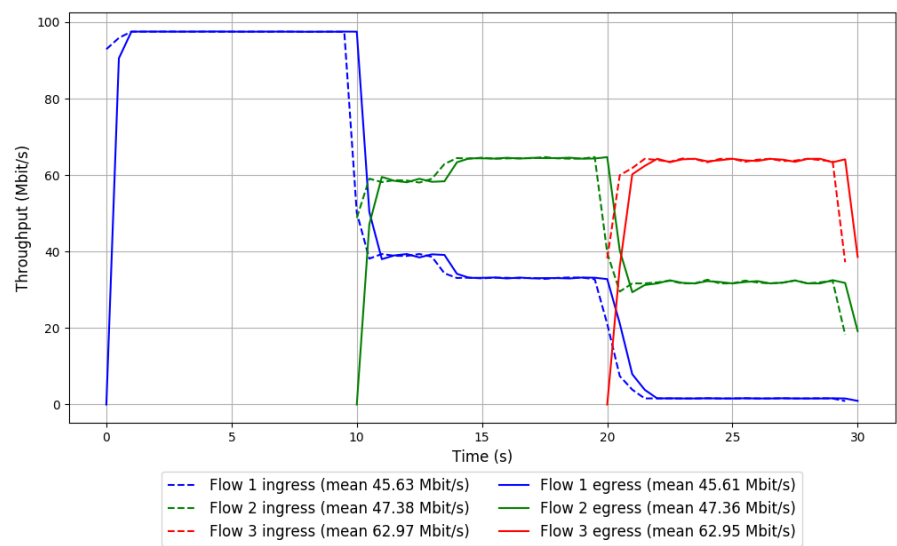
-- Flow 3:

Average throughput: 62.95 Mbit/s

95th percentile per-packet one-way delay: 13.161 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

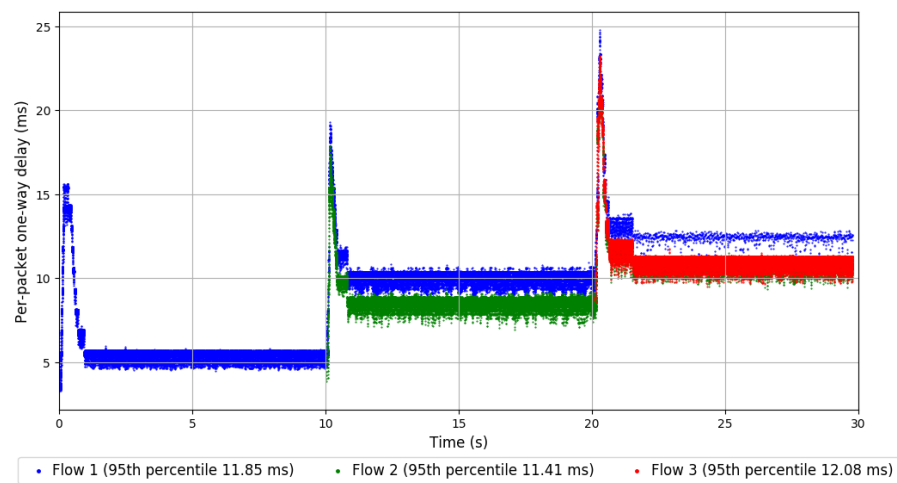
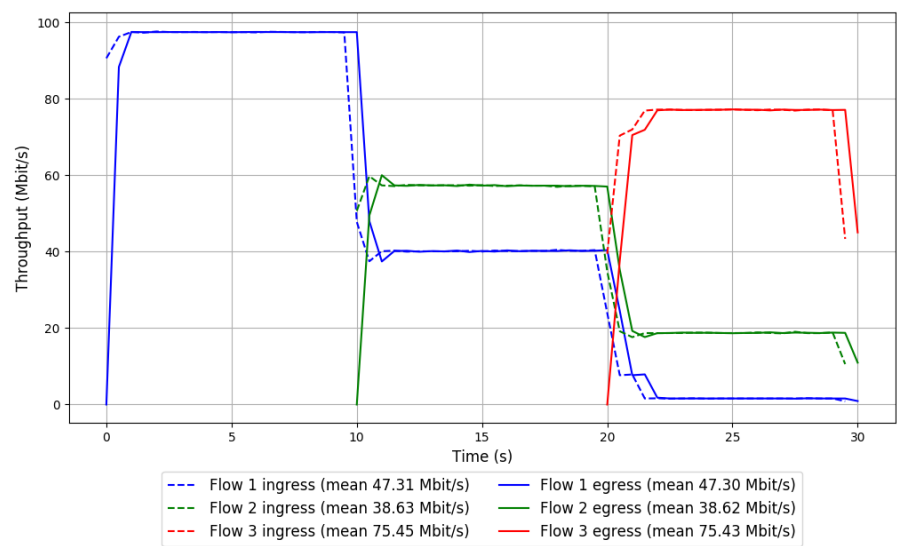


Run 3: Statistics of Indigo

Start at: 2019-07-12 05:11:13
End at: 2019-07-12 05:11:44
Local clock offset: -7.893 ms
Remote clock offset: 0.234 ms

```
# Below is generated by plot.py at 2019-07-12 06:32:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 12.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 11.845 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.62 Mbit/s
95th percentile per-packet one-way delay: 11.414 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 12.082 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-07-12 05:38:30

End at: 2019-07-12 05:39:00

Local clock offset: -6.205 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2019-07-12 06:32:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 13.599 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.01 Mbit/s

95th percentile per-packet one-way delay: 11.926 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.22 Mbit/s

95th percentile per-packet one-way delay: 13.599 ms

Loss rate: 0.00%

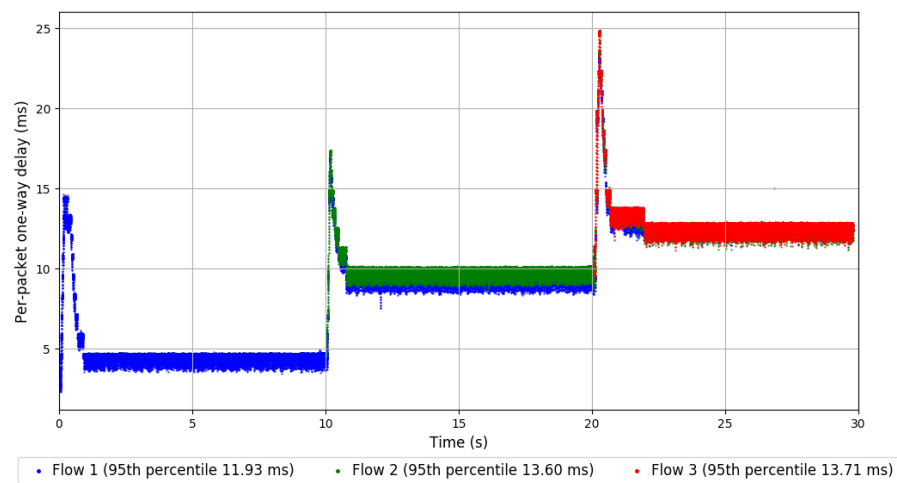
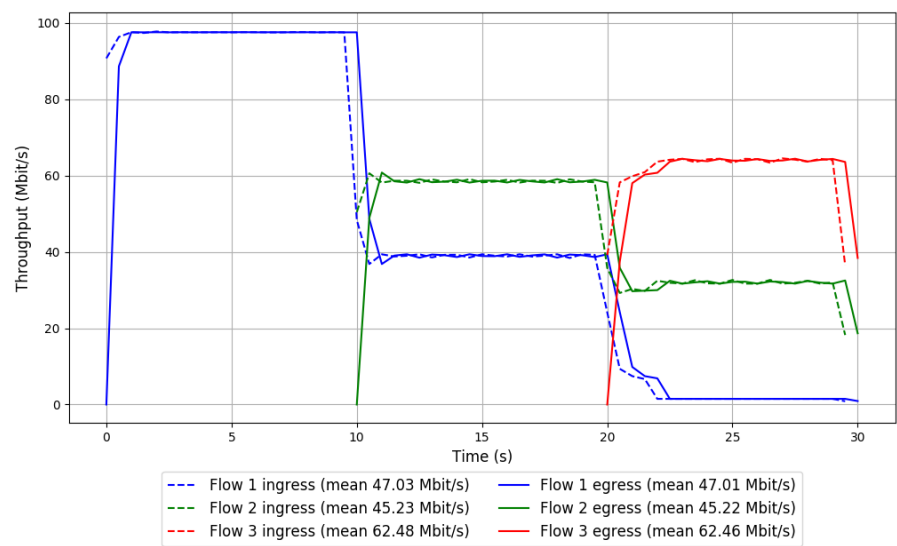
-- Flow 3:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 13.709 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-07-12 06:05:49

End at: 2019-07-12 06:06:19

Local clock offset: -6.57 ms

Remote clock offset: 0.424 ms

Below is generated by plot.py at 2019-07-12 06:33:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 11.905 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.05 Mbit/s

95th percentile per-packet one-way delay: 10.976 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.13 Mbit/s

95th percentile per-packet one-way delay: 11.694 ms

Loss rate: 0.00%

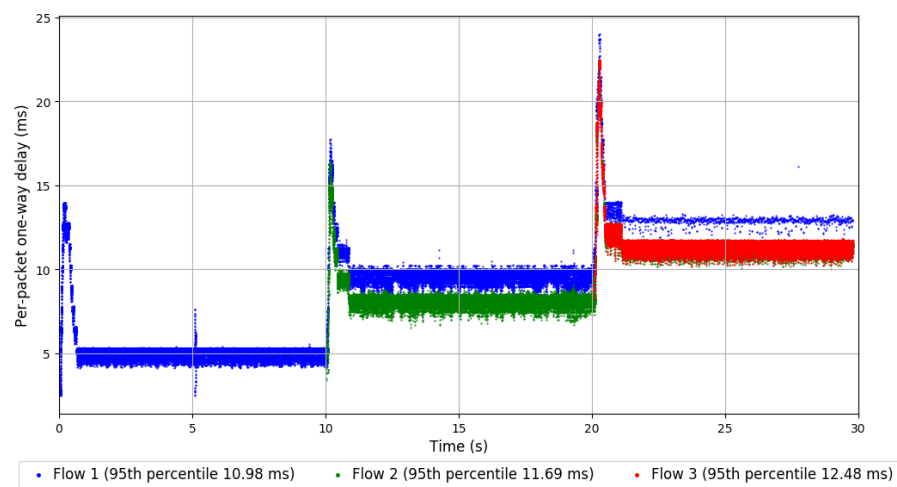
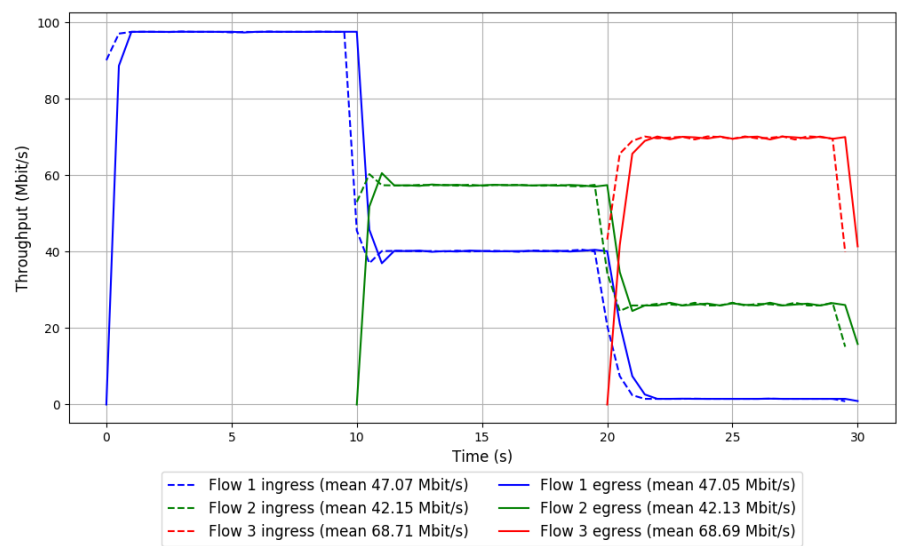
-- Flow 3:

Average throughput: 68.69 Mbit/s

95th percentile per-packet one-way delay: 12.482 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

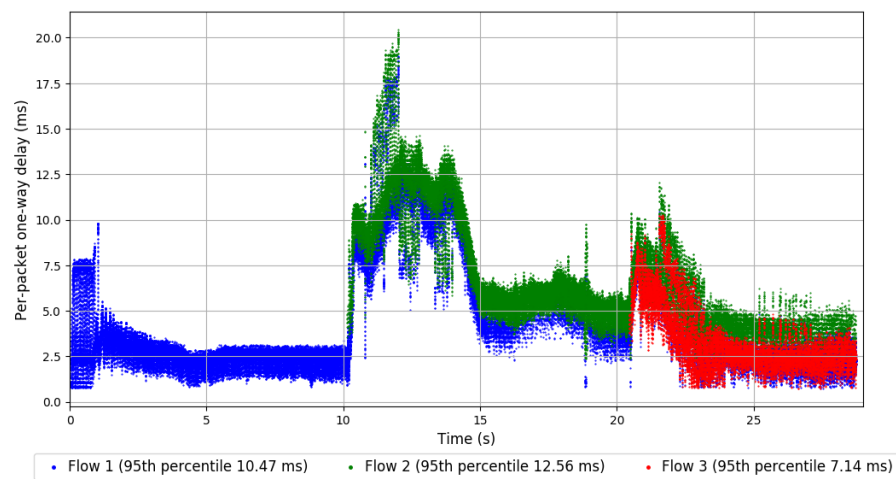
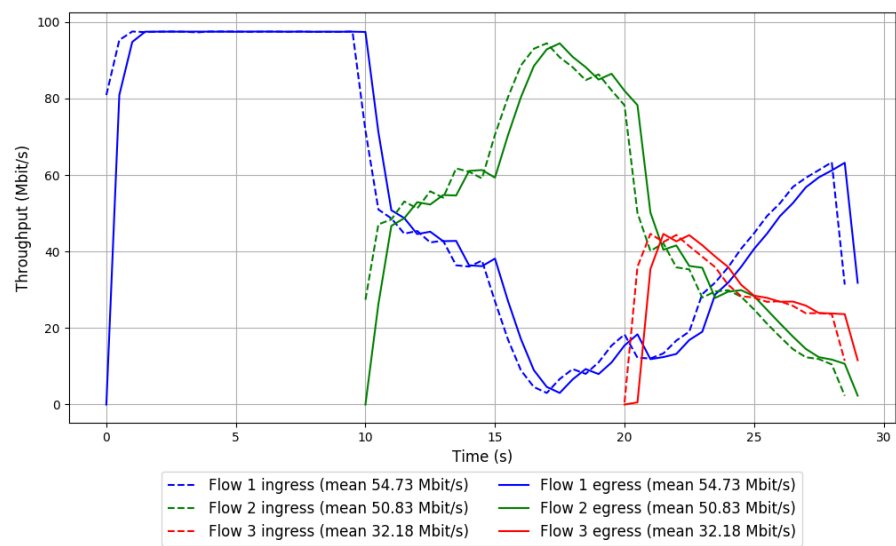


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-12 04:32:29
End at: 2019-07-12 04:32:59
Local clock offset: -6.417 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-07-12 06:33:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 11.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.73 Mbit/s
95th percentile per-packet one-way delay: 10.469 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.83 Mbit/s
95th percentile per-packet one-way delay: 12.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 7.140 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-12 04:59:50

End at: 2019-07-12 05:00:20

Local clock offset: -7.47 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2019-07-12 06:33:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 10.512 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.52 Mbit/s

95th percentile per-packet one-way delay: 9.259 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.92 Mbit/s

95th percentile per-packet one-way delay: 12.247 ms

Loss rate: 0.00%

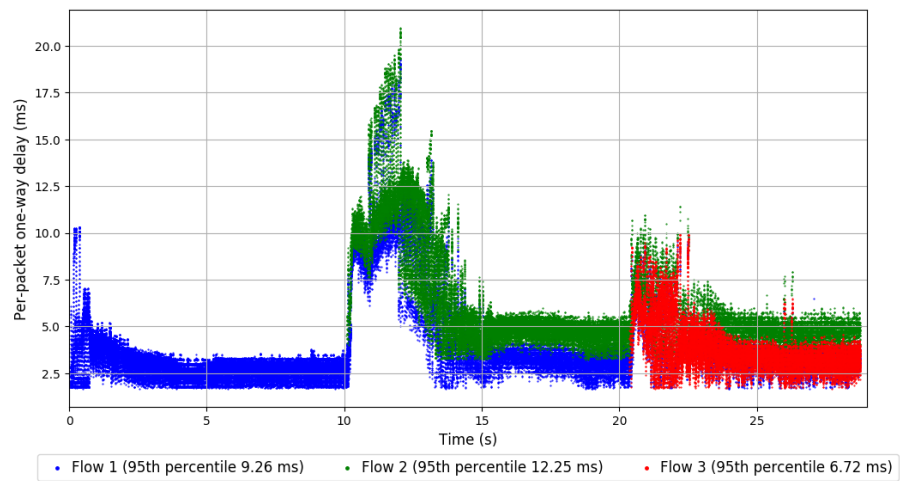
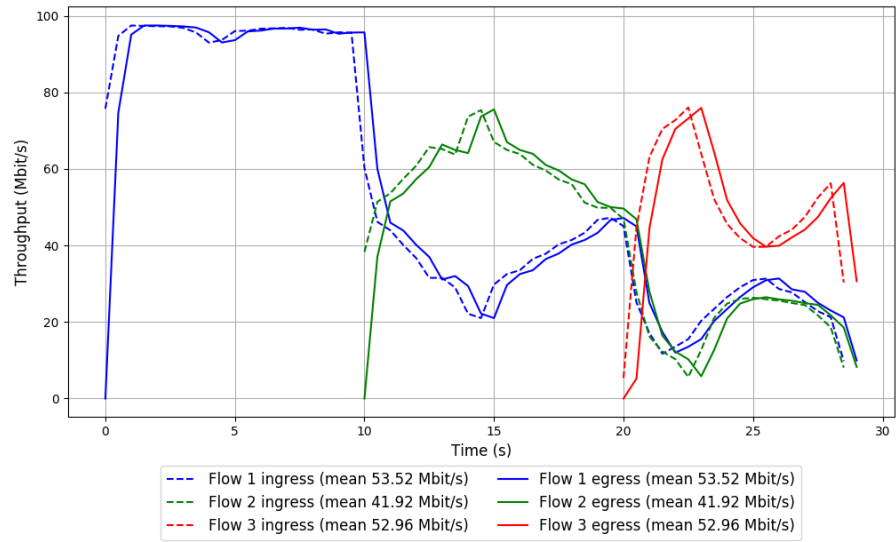
-- Flow 3:

Average throughput: 52.96 Mbit/s

95th percentile per-packet one-way delay: 6.723 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-12 05:27:08

End at: 2019-07-12 05:27:38

Local clock offset: -8.108 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2019-07-12 06:33:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 13.987 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.53 Mbit/s

95th percentile per-packet one-way delay: 7.308 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.91 Mbit/s

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

Loss rate: 0.00%

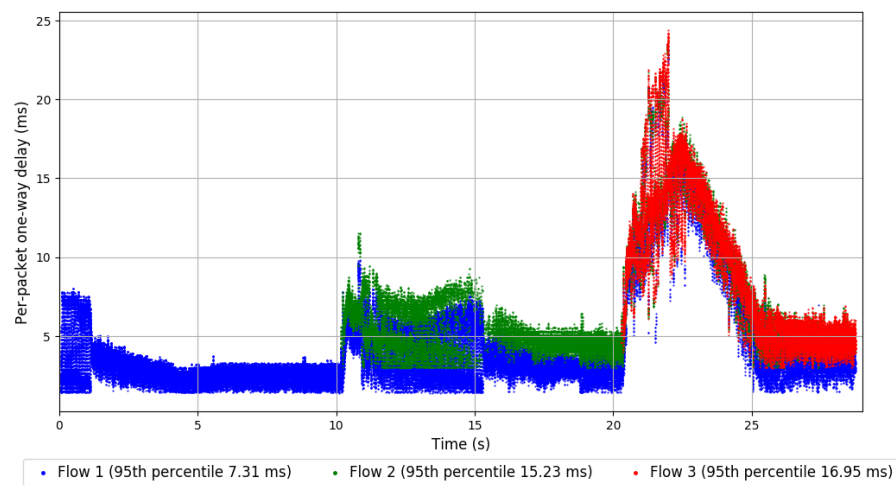
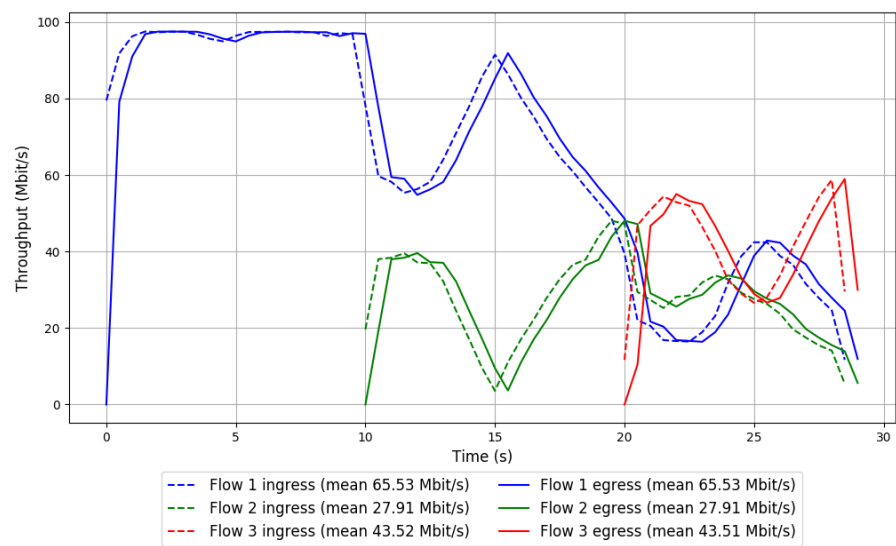
-- Flow 3:

Average throughput: 43.51 Mbit/s

95th percentile per-packet one-way delay: 16.951 ms

Loss rate: 0.02%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-12 05:54:26

End at: 2019-07-12 05:54:56

Local clock offset: -6.456 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2019-07-12 06:33:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.70 Mbit/s

95th percentile per-packet one-way delay: 6.916 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.65 Mbit/s

95th percentile per-packet one-way delay: 6.255 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.84 Mbit/s

95th percentile per-packet one-way delay: 8.745 ms

Loss rate: 0.00%

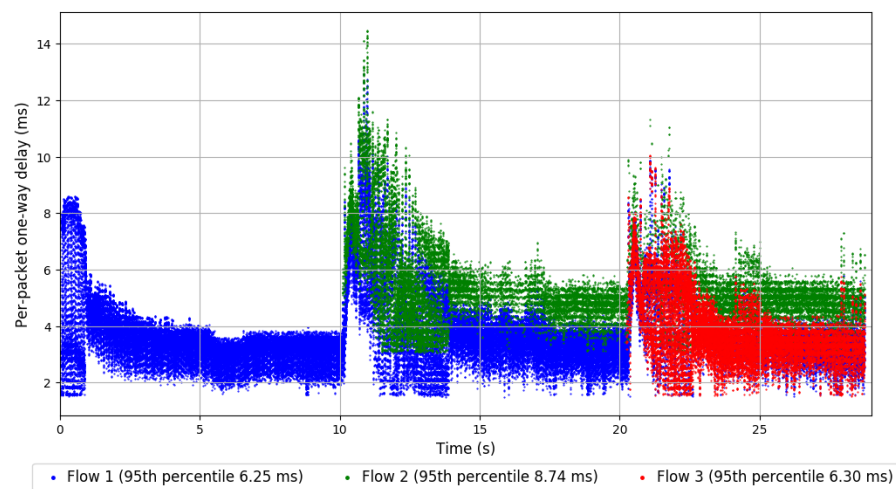
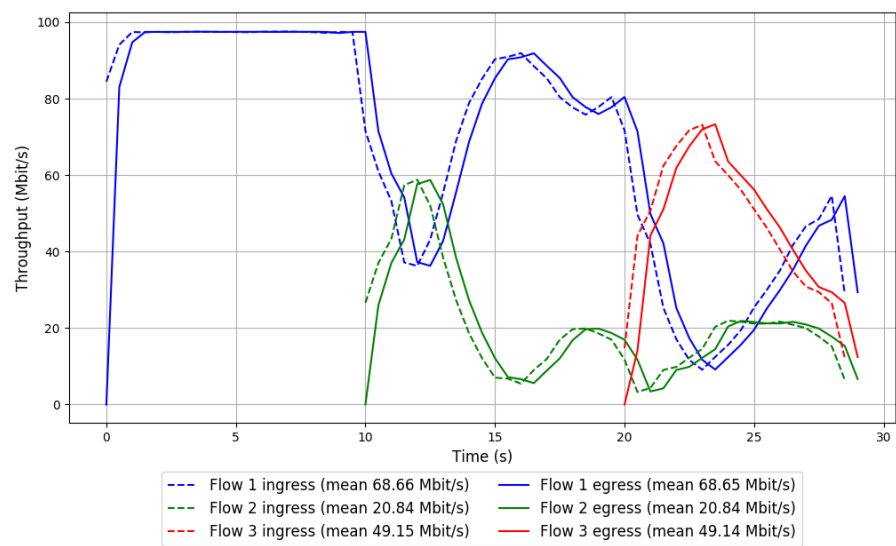
-- Flow 3:

Average throughput: 49.14 Mbit/s

95th percentile per-packet one-way delay: 6.302 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-12 06:21:44

End at: 2019-07-12 06:22:14

Local clock offset: -7.751 ms

Remote clock offset: 0.509 ms

Below is generated by plot.py at 2019-07-12 06:33:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.56 Mbit/s

95th percentile per-packet one-way delay: 10.579 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 8.639 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.31 Mbit/s

95th percentile per-packet one-way delay: 10.866 ms

Loss rate: 0.00%

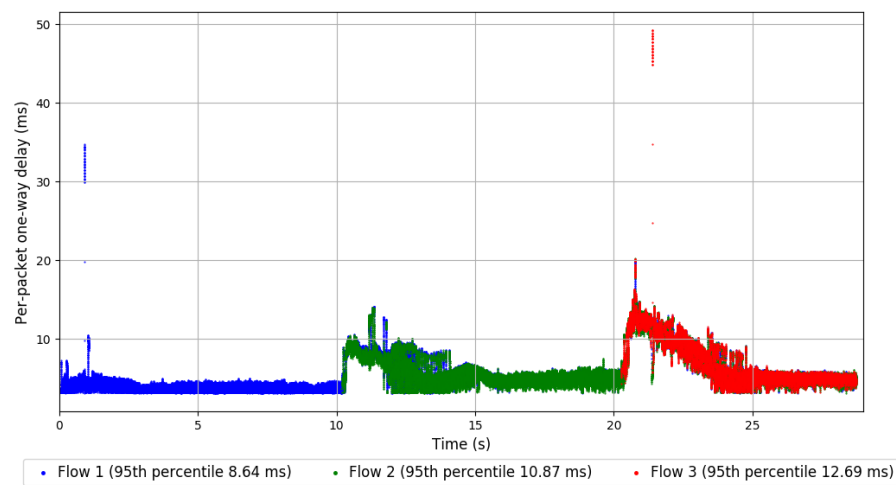
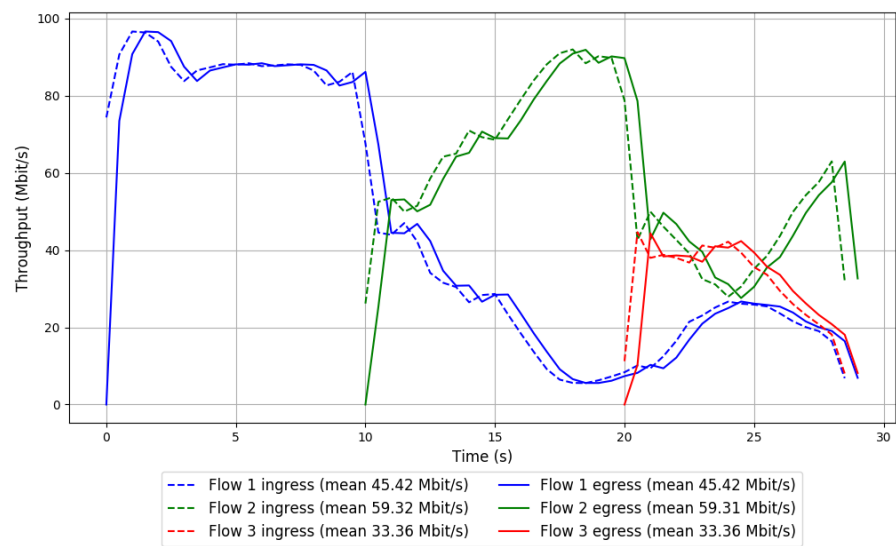
-- Flow 3:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 12.686 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link

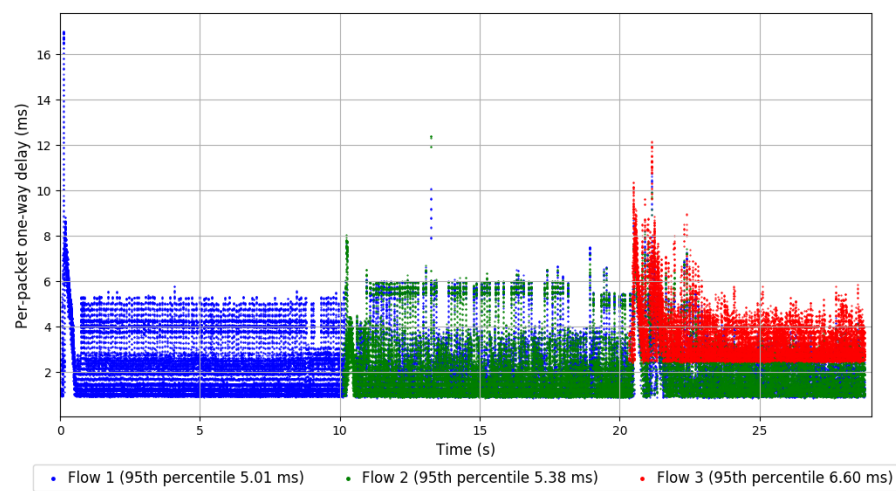
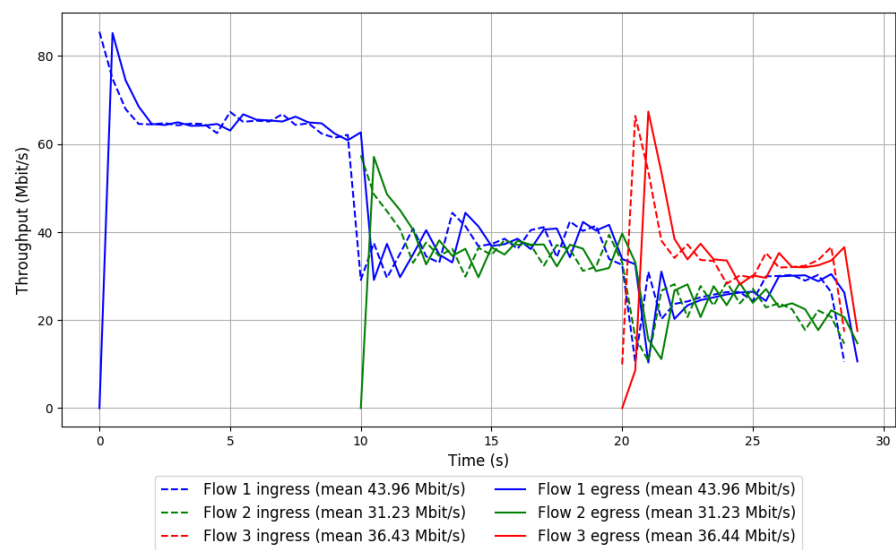


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-12 04:19:59
End at: 2019-07-12 04:20:29
Local clock offset: -6.705 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2019-07-12 06:33:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.90 Mbit/s
95th percentile per-packet one-way delay: 5.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 5.012 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 5.376 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.44 Mbit/s
95th percentile per-packet one-way delay: 6.604 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

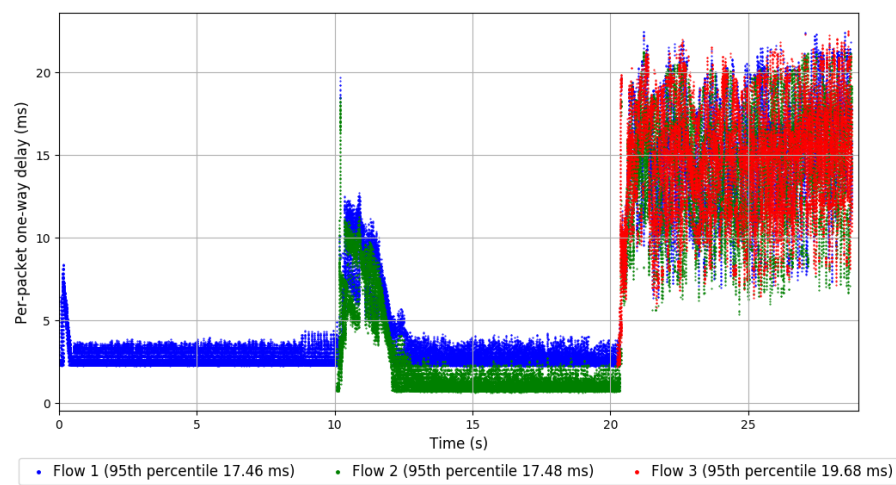
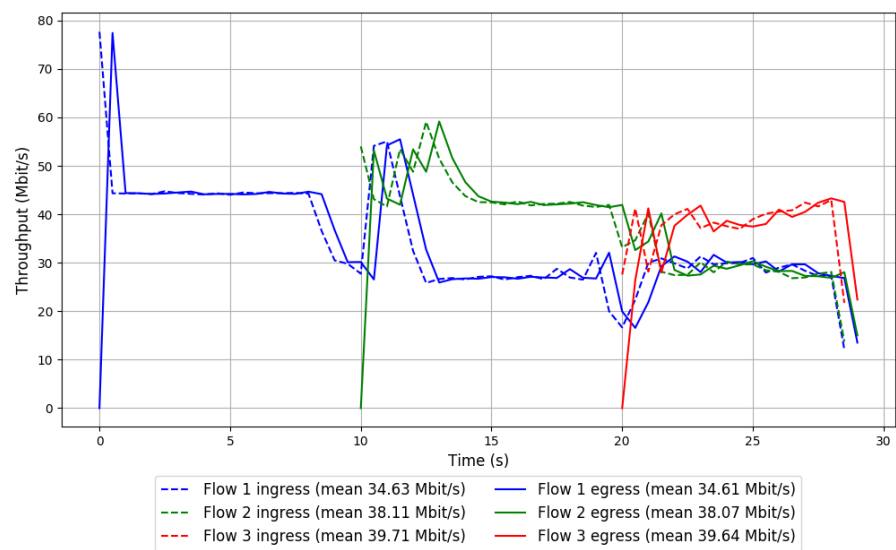


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-12 04:47:21
End at: 2019-07-12 04:47:51
Local clock offset: -6.247 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-07-12 06:33:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 18.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 17.460 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.07 Mbit/s
95th percentile per-packet one-way delay: 17.478 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 19.682 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-12 05:14:42

End at: 2019-07-12 05:15:12

Local clock offset: -7.775 ms

Remote clock offset: 0.245 ms

Below is generated by plot.py at 2019-07-12 06:34:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.36 Mbit/s

95th percentile per-packet one-way delay: 17.538 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 16.380 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.49 Mbit/s

95th percentile per-packet one-way delay: 17.467 ms

Loss rate: 0.00%

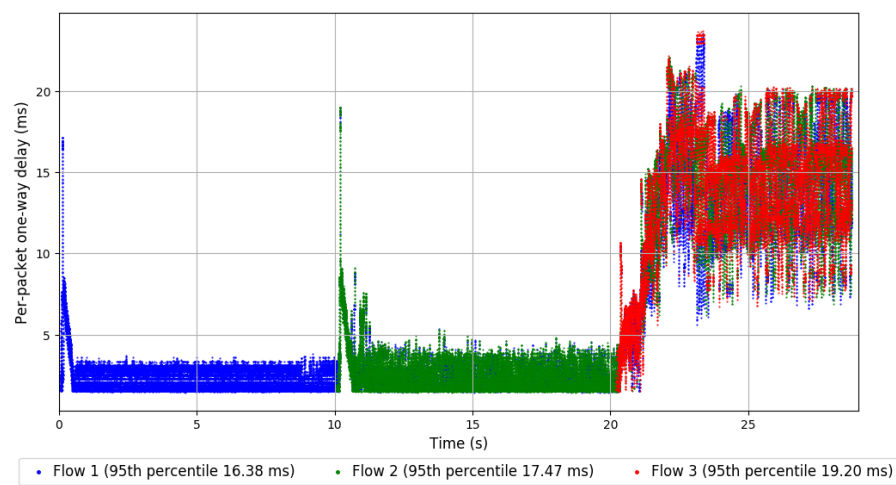
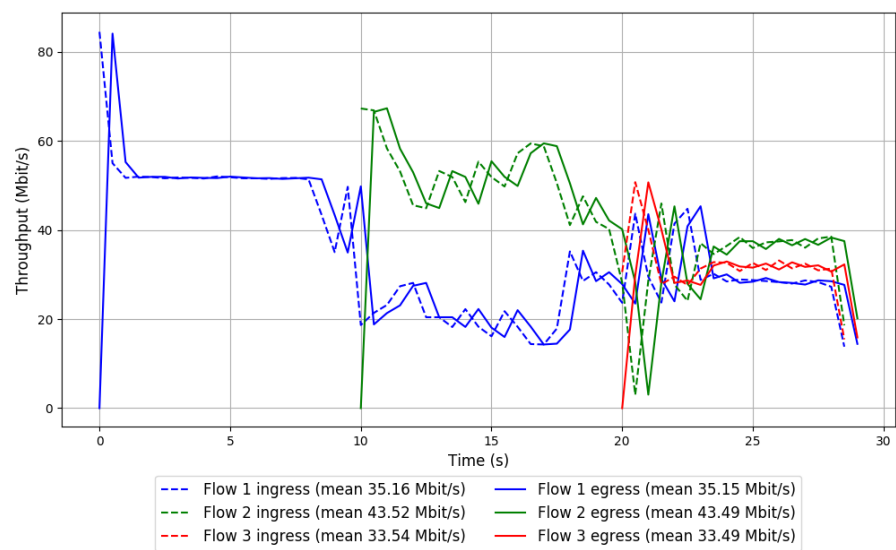
-- Flow 3:

Average throughput: 33.49 Mbit/s

95th percentile per-packet one-way delay: 19.204 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-12 05:41:58

End at: 2019-07-12 05:42:28

Local clock offset: -5.998 ms

Remote clock offset: 0.398 ms

Below is generated by plot.py at 2019-07-12 06:34:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.42 Mbit/s

95th percentile per-packet one-way delay: 20.118 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.20 Mbit/s

95th percentile per-packet one-way delay: 18.627 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.68 Mbit/s

95th percentile per-packet one-way delay: 19.299 ms

Loss rate: 0.00%

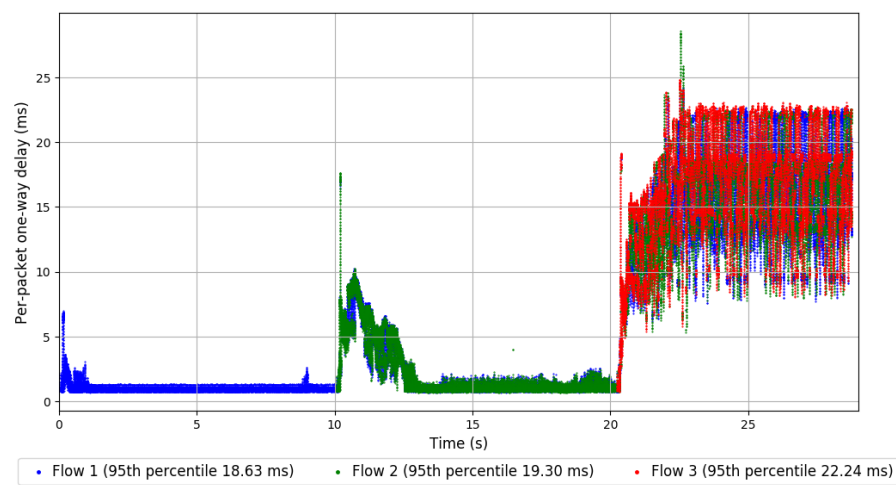
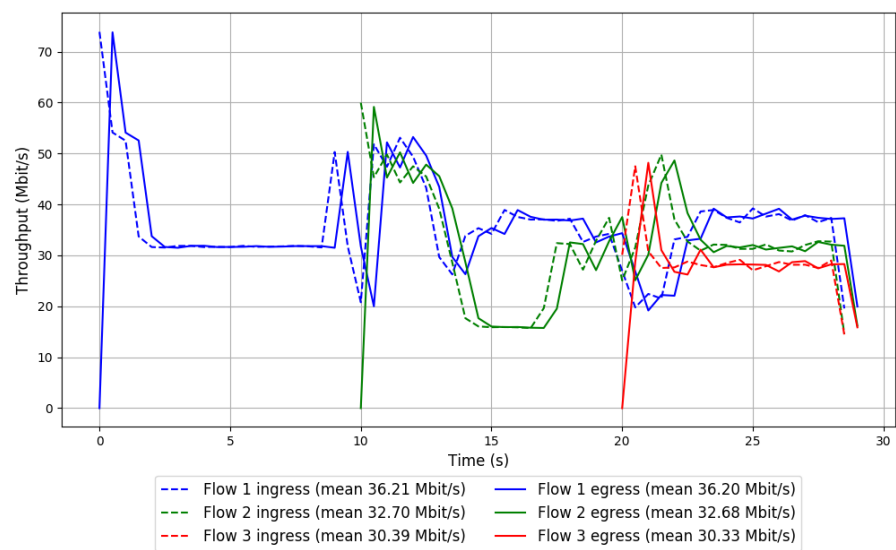
-- Flow 3:

Average throughput: 30.33 Mbit/s

95th percentile per-packet one-way delay: 22.237 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-12 06:09:17

End at: 2019-07-12 06:09:47

Local clock offset: -7.555 ms

Remote clock offset: 0.506 ms

Below is generated by plot.py at 2019-07-12 06:34:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 5.268 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 30.86 Mbit/s

95th percentile per-packet one-way delay: 3.921 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.46 Mbit/s

95th percentile per-packet one-way delay: 6.038 ms

Loss rate: 0.01%

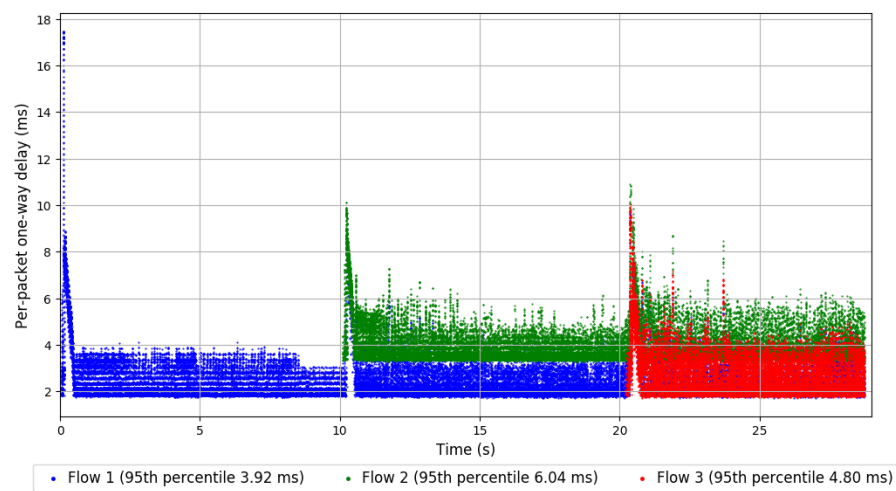
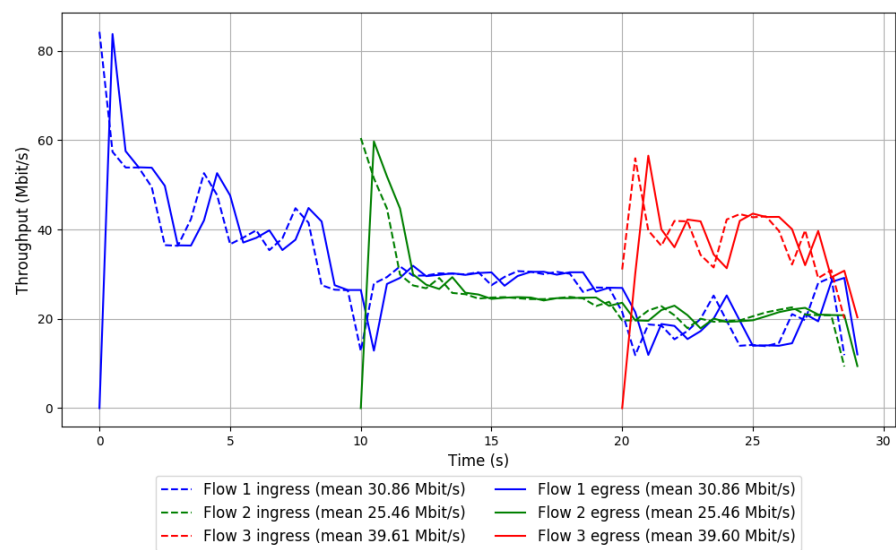
-- Flow 3:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 4.804 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

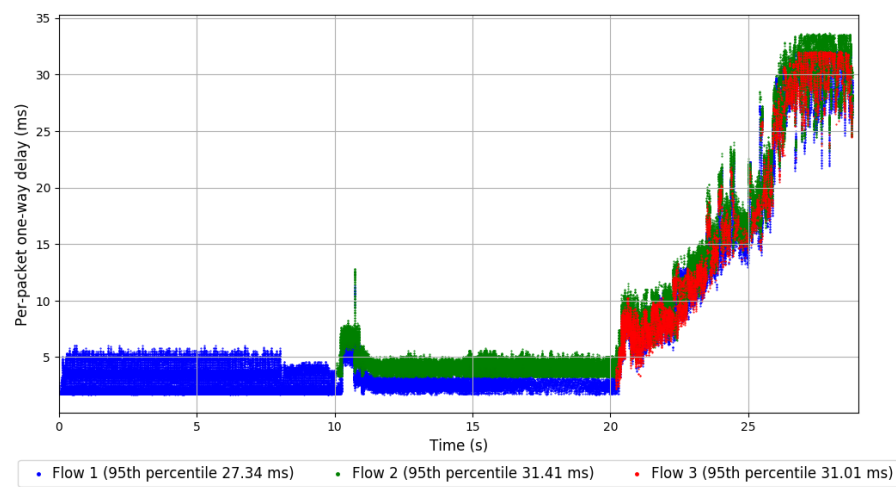
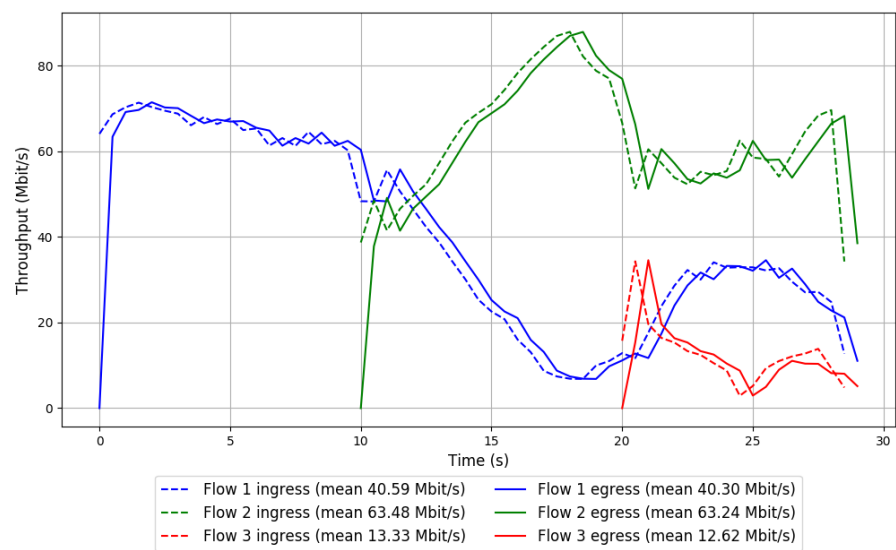


Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-12 04:33:38
End at: 2019-07-12 04:34:08
Local clock offset: -7.377 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-07-12 06:34:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 30.418 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 27.339 ms
Loss rate: 0.62%
-- Flow 2:
Average throughput: 63.24 Mbit/s
95th percentile per-packet one-way delay: 31.410 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 12.62 Mbit/s
95th percentile per-packet one-way delay: 31.009 ms
Loss rate: 5.01%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-12 05:00:59

End at: 2019-07-12 05:01:29

Local clock offset: -6.512 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2019-07-12 06:34:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.93 Mbit/s

95th percentile per-packet one-way delay: 5.554 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.07 Mbit/s

95th percentile per-packet one-way delay: 4.719 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.14 Mbit/s

95th percentile per-packet one-way delay: 5.967 ms

Loss rate: 0.00%

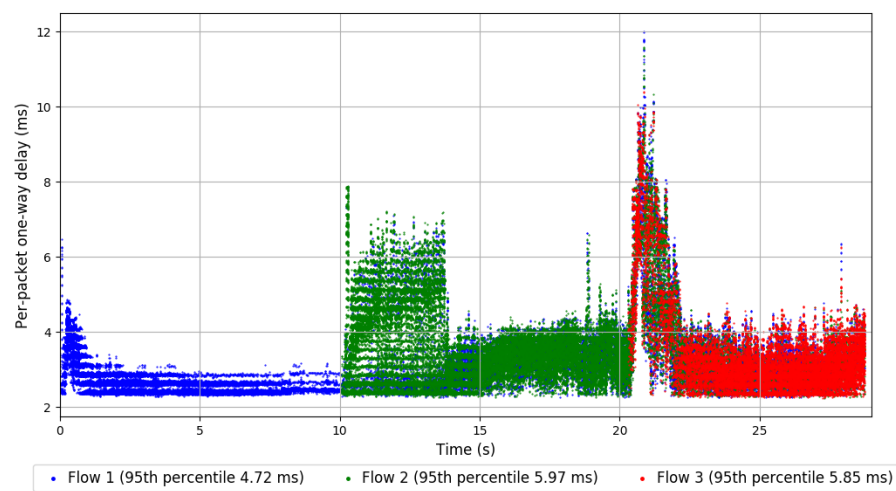
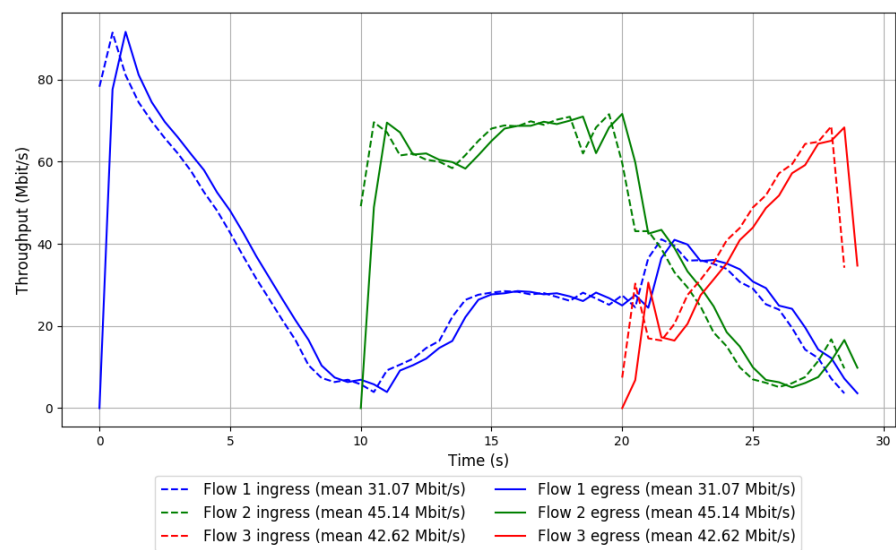
-- Flow 3:

Average throughput: 42.62 Mbit/s

95th percentile per-packet one-way delay: 5.848 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-12 05:28:17

End at: 2019-07-12 05:28:47

Local clock offset: -7.422 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2019-07-12 06:34:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.43 Mbit/s

95th percentile per-packet one-way delay: 4.543 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.99 Mbit/s

95th percentile per-packet one-way delay: 5.066 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.54 Mbit/s

95th percentile per-packet one-way delay: 4.476 ms

Loss rate: 0.00%

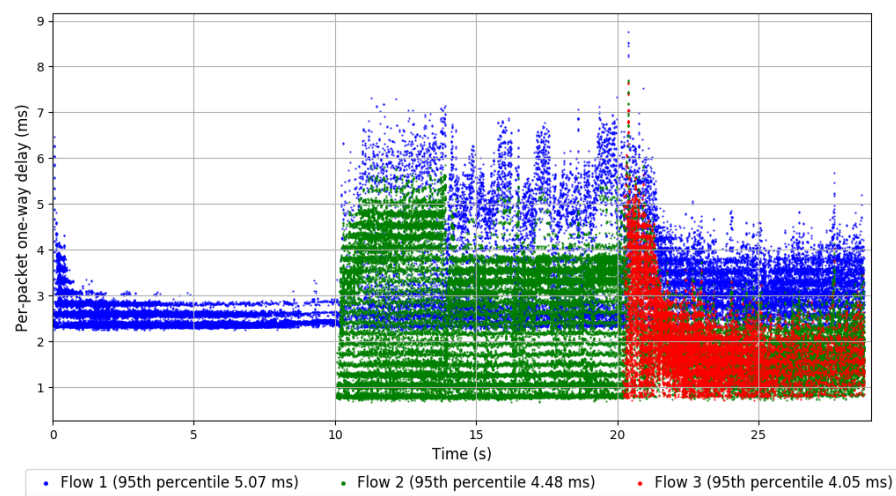
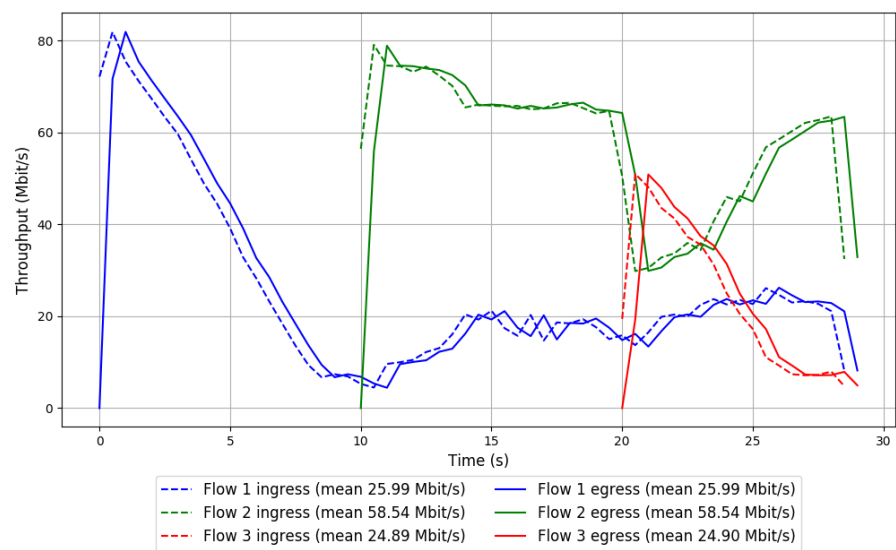
-- Flow 3:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: 4.054 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-12 05:55:35

End at: 2019-07-12 05:56:05

Local clock offset: -5.873 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2019-07-12 06:34:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 30.045 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 68.36 Mbit/s

95th percentile per-packet one-way delay: 28.824 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 22.63 Mbit/s

95th percentile per-packet one-way delay: 30.900 ms

Loss rate: 0.96%

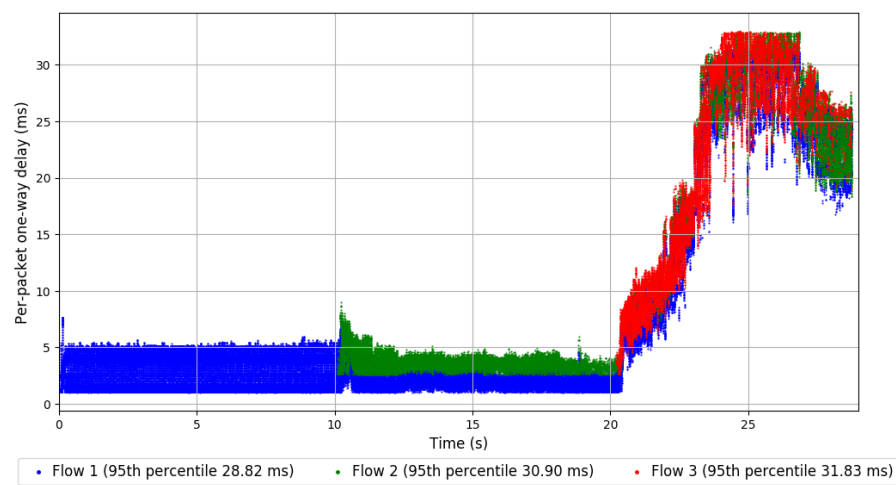
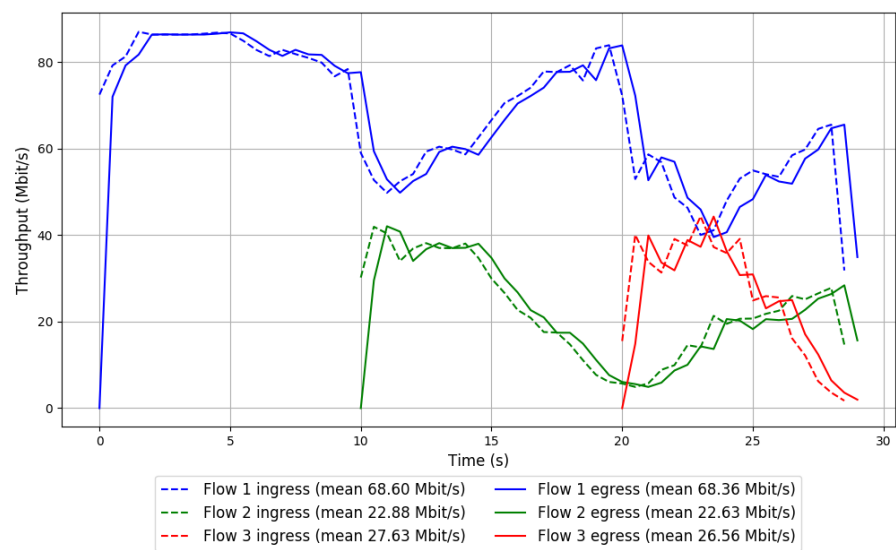
-- Flow 3:

Average throughput: 26.56 Mbit/s

95th percentile per-packet one-way delay: 31.826 ms

Loss rate: 3.68%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-12 06:22:53

End at: 2019-07-12 06:23:23

Local clock offset: -7.005 ms

Remote clock offset: 0.423 ms

Below is generated by plot.py at 2019-07-12 06:34:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.54 Mbit/s

95th percentile per-packet one-way delay: 4.458 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 4.513 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.02 Mbit/s

95th percentile per-packet one-way delay: 4.069 ms

Loss rate: 0.00%

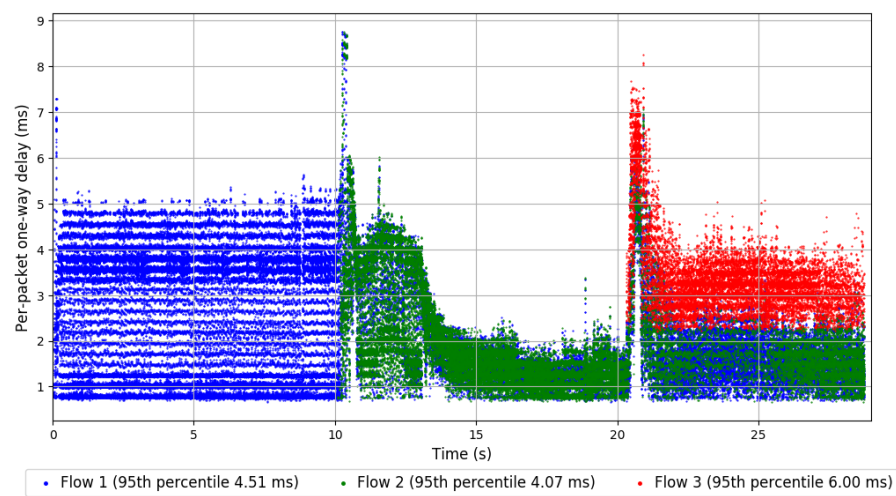
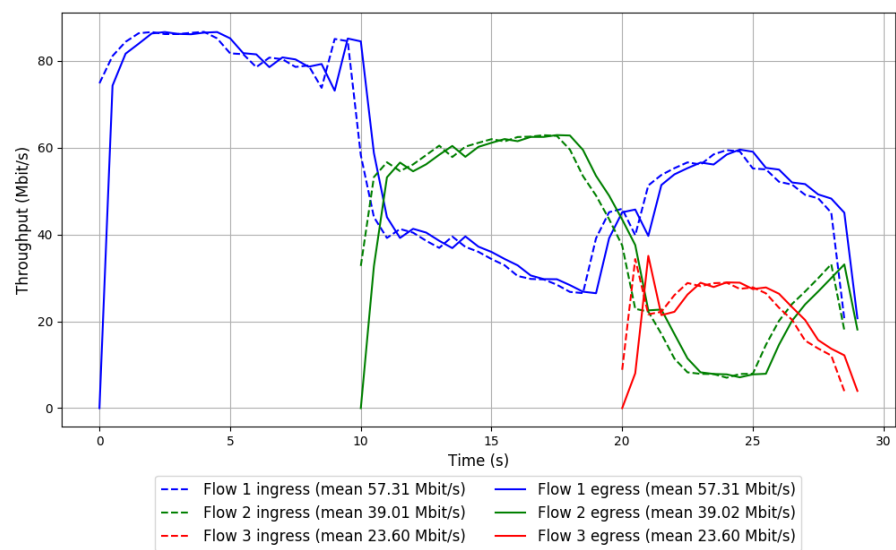
-- Flow 3:

Average throughput: 23.60 Mbit/s

95th percentile per-packet one-way delay: 5.998 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

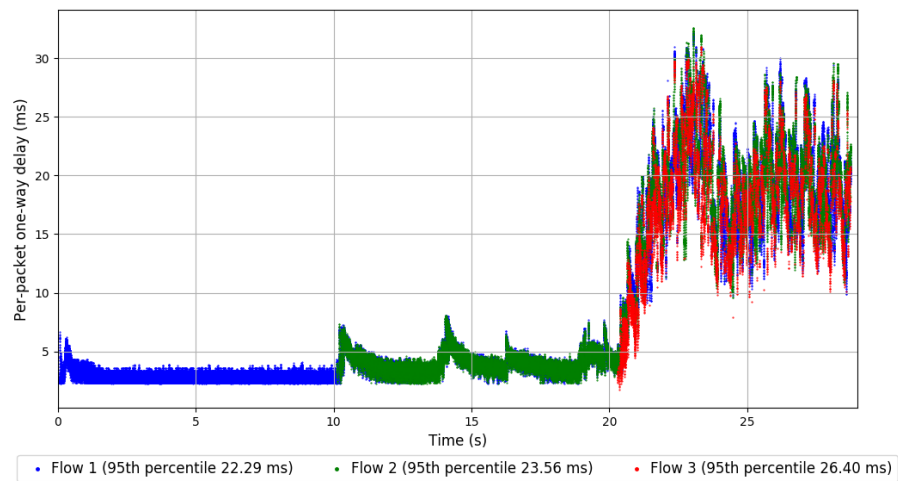
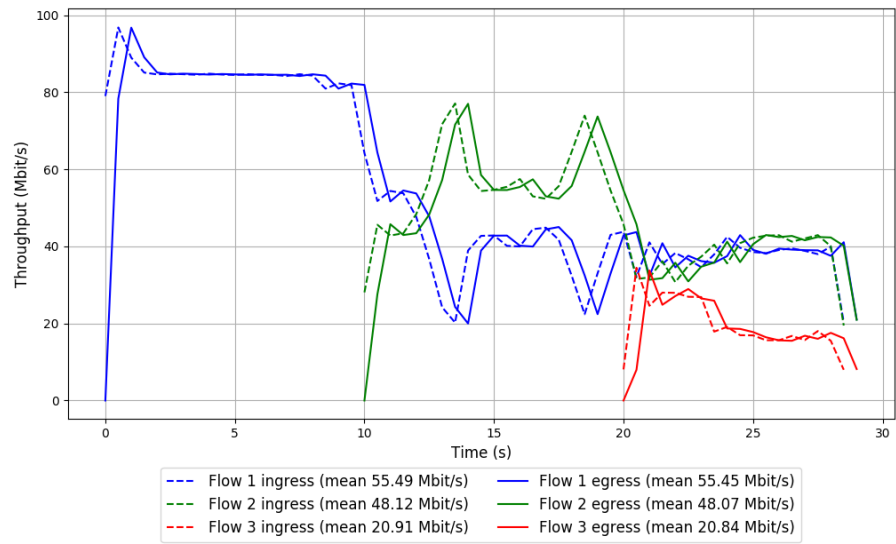


Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-12 04:23:23
End at: 2019-07-12 04:23:53
Local clock offset: -6.521 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2019-07-12 06:35:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 23.288 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 22.287 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.07 Mbit/s
95th percentile per-packet one-way delay: 23.561 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 20.84 Mbit/s
95th percentile per-packet one-way delay: 26.400 ms
Loss rate: 0.18%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-12 04:50:45

End at: 2019-07-12 04:51:15

Local clock offset: -6.298 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2019-07-12 06:35:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 18.091 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 17.726 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.51 Mbit/s

95th percentile per-packet one-way delay: 17.978 ms

Loss rate: 0.00%

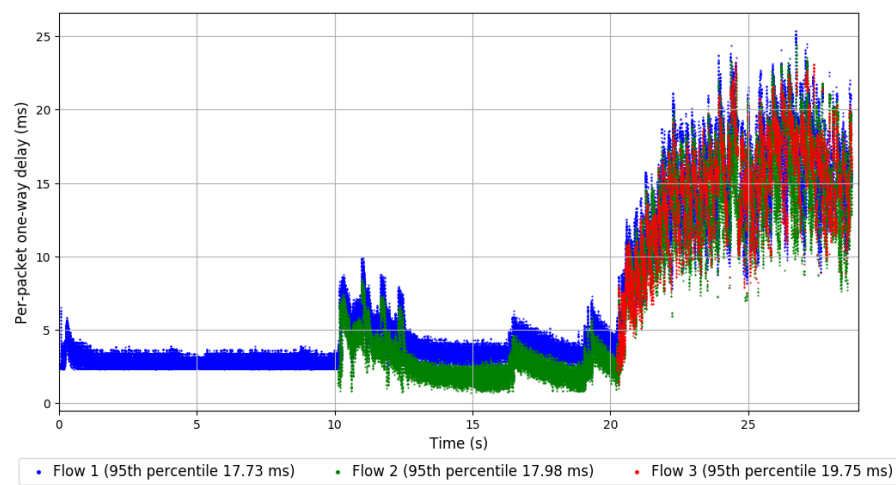
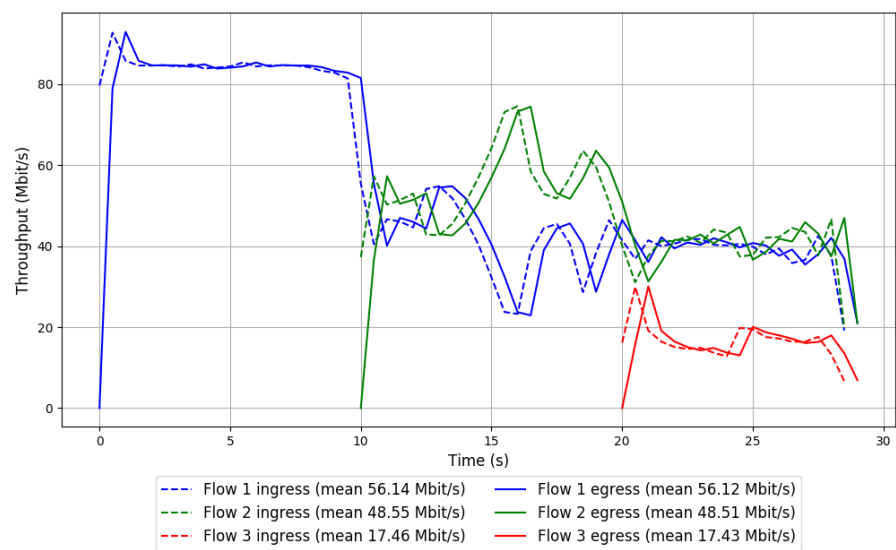
-- Flow 3:

Average throughput: 17.43 Mbit/s

95th percentile per-packet one-way delay: 19.753 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-12 05:18:06

End at: 2019-07-12 05:18:36

Local clock offset: -7.086 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2019-07-12 06:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 24.450 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 58.66 Mbit/s

95th percentile per-packet one-way delay: 21.042 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 44.88 Mbit/s

95th percentile per-packet one-way delay: 25.367 ms

Loss rate: 0.08%

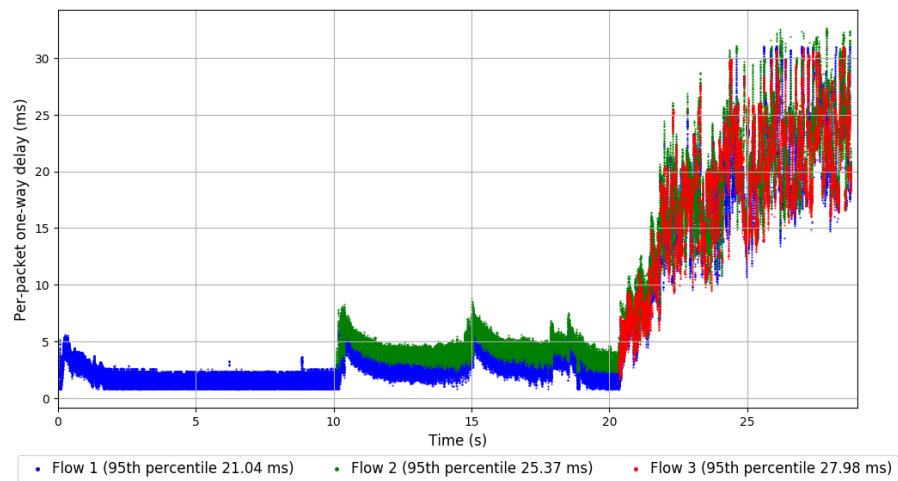
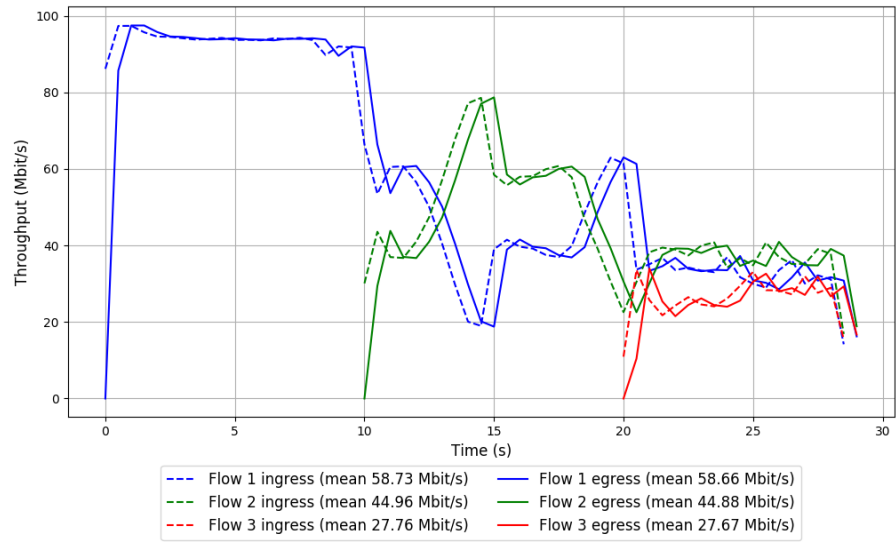
-- Flow 3:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 27.984 ms

Loss rate: 0.08%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-12 05:45:22

End at: 2019-07-12 05:45:52

Local clock offset: -5.866 ms

Remote clock offset: 0.45 ms

Below is generated by plot.py at 2019-07-12 06:35:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 22.367 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.57 Mbit/s

95th percentile per-packet one-way delay: 22.023 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.30 Mbit/s

95th percentile per-packet one-way delay: 21.725 ms

Loss rate: 0.00%

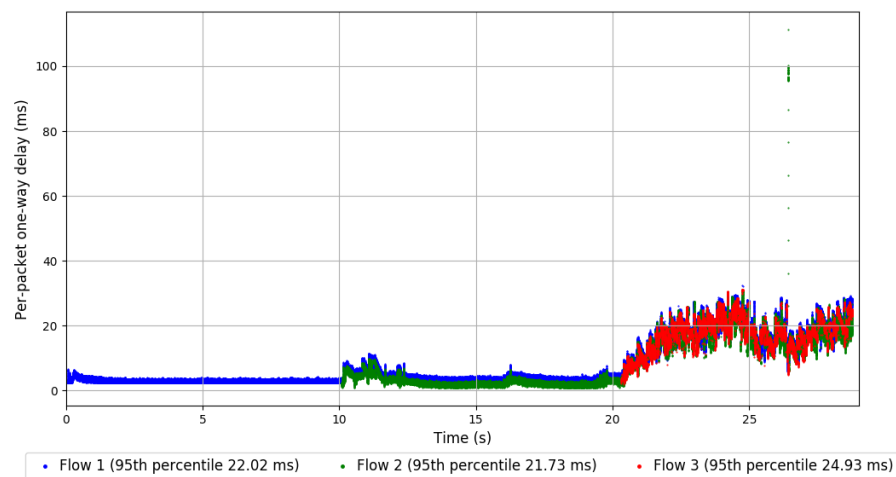
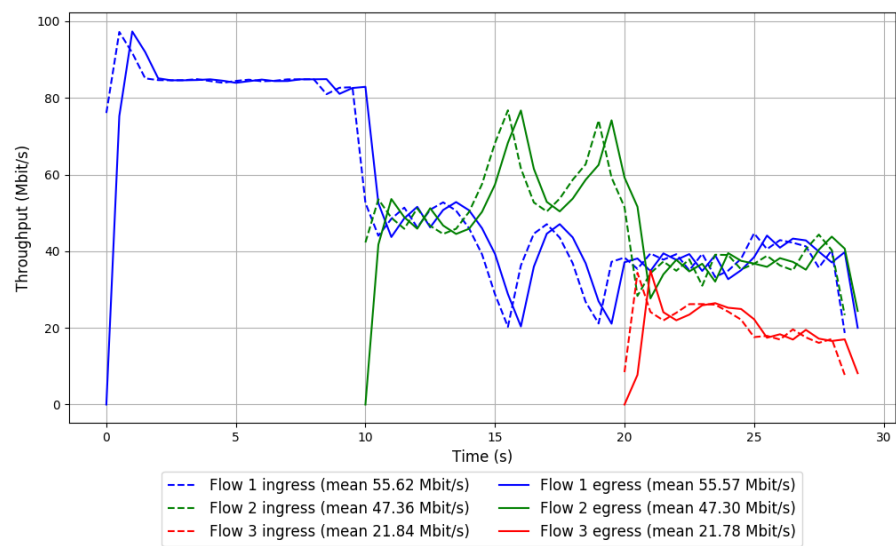
-- Flow 3:

Average throughput: 21.78 Mbit/s

95th percentile per-packet one-way delay: 24.930 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-12 06:12:40

End at: 2019-07-12 06:13:10

Local clock offset: -7.49 ms

Remote clock offset: 0.373 ms

Below is generated by plot.py at 2019-07-12 06:35:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 18.962 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.37 Mbit/s

95th percentile per-packet one-way delay: 17.520 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.20 Mbit/s

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

Loss rate: 0.00%

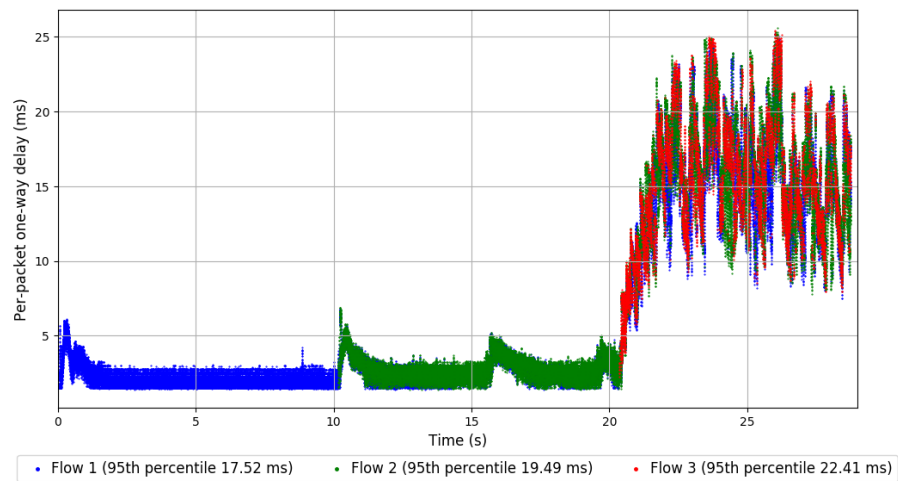
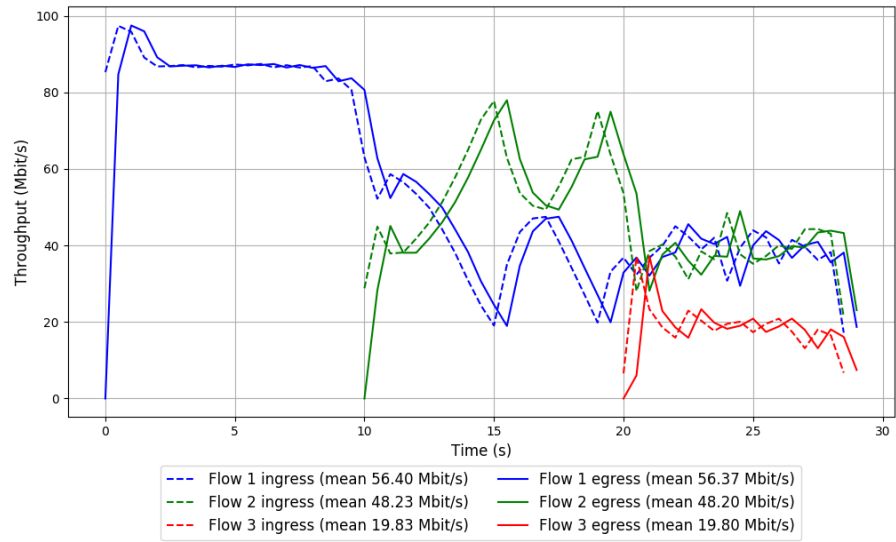
-- Flow 3:

Average throughput: 19.80 Mbit/s

95th percentile per-packet one-way delay: 22.411 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

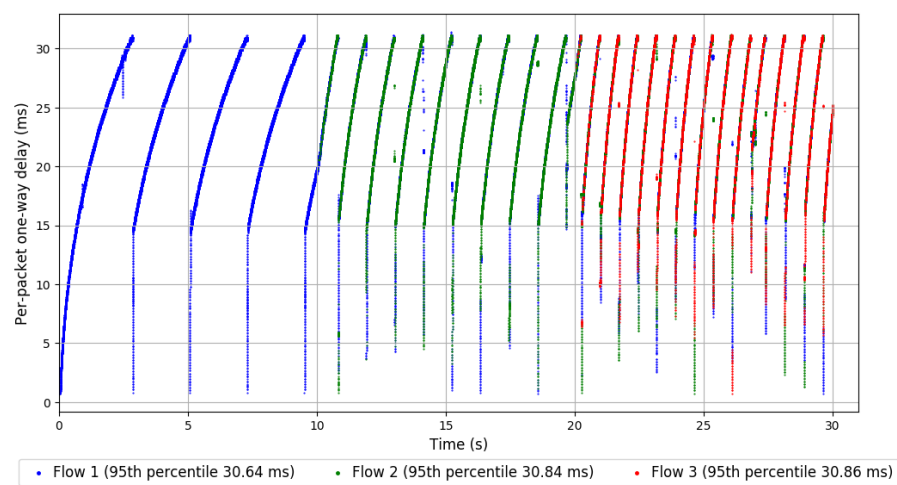
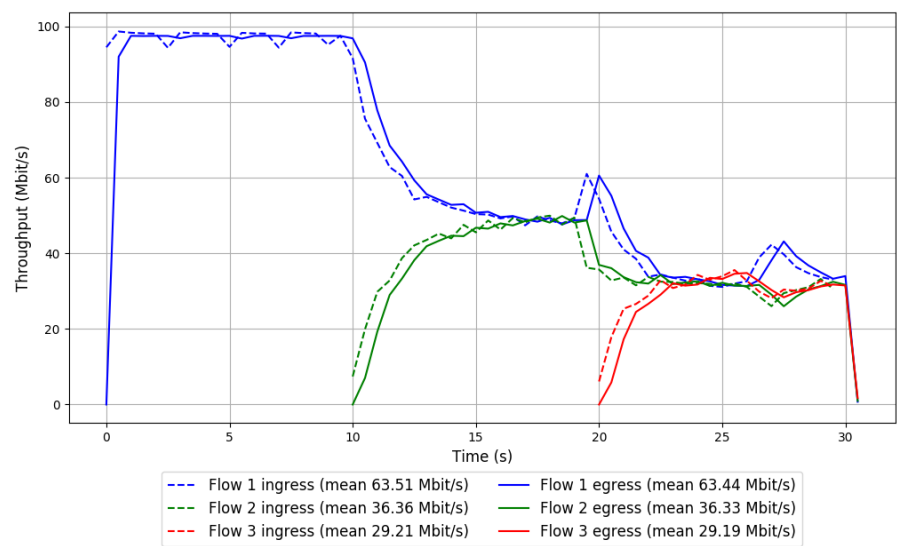


Run 1: Statistics of LEDBAT

Start at: 2019-07-12 04:17:42
End at: 2019-07-12 04:18:12
Local clock offset: -6.509 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2019-07-12 06:35:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 30.661 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 30.635 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.33 Mbit/s
95th percentile per-packet one-way delay: 30.842 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.19 Mbit/s
95th percentile per-packet one-way delay: 30.864 ms
Loss rate: 0.10%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-07-12 04:45:03

End at: 2019-07-12 04:45:33

Local clock offset: -7.251 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2019-07-12 06:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 32.967 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 61.35 Mbit/s

95th percentile per-packet one-way delay: 33.194 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 37.70 Mbit/s

95th percentile per-packet one-way delay: 31.744 ms

Loss rate: 0.06%

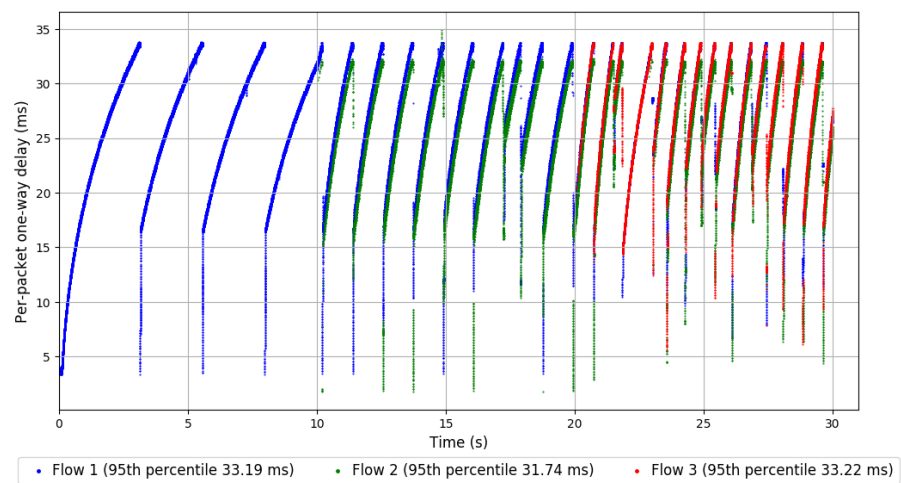
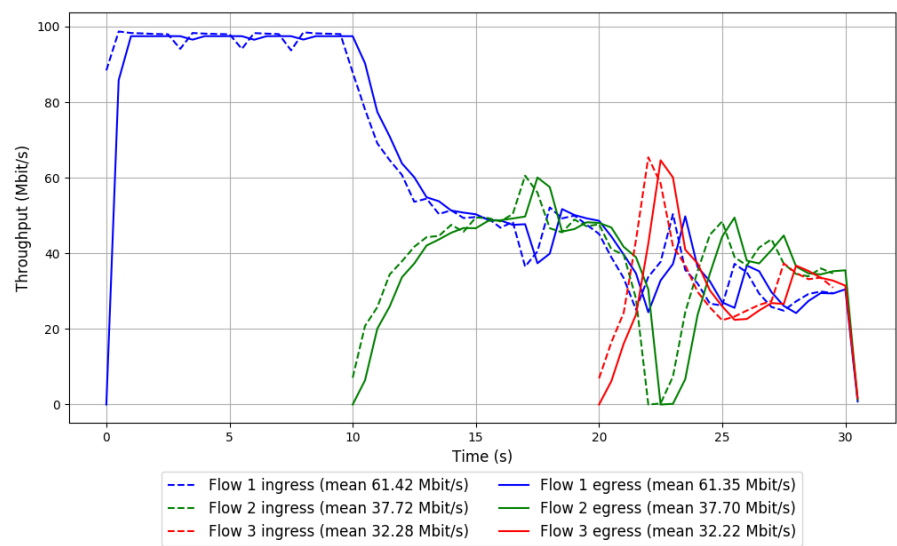
-- Flow 3:

Average throughput: 32.22 Mbit/s

95th percentile per-packet one-way delay: 33.222 ms

Loss rate: 0.09%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-07-12 05:12:24

End at: 2019-07-12 05:12:54

Local clock offset: -7.915 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2019-07-12 06:35:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 31.632 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 63.98 Mbit/s

95th percentile per-packet one-way delay: 31.563 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 37.02 Mbit/s

95th percentile per-packet one-way delay: 31.597 ms

Loss rate: 0.06%

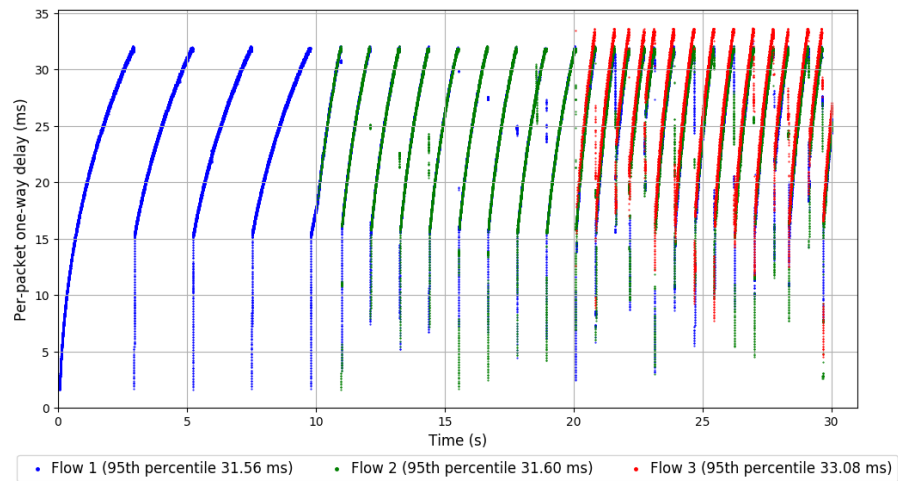
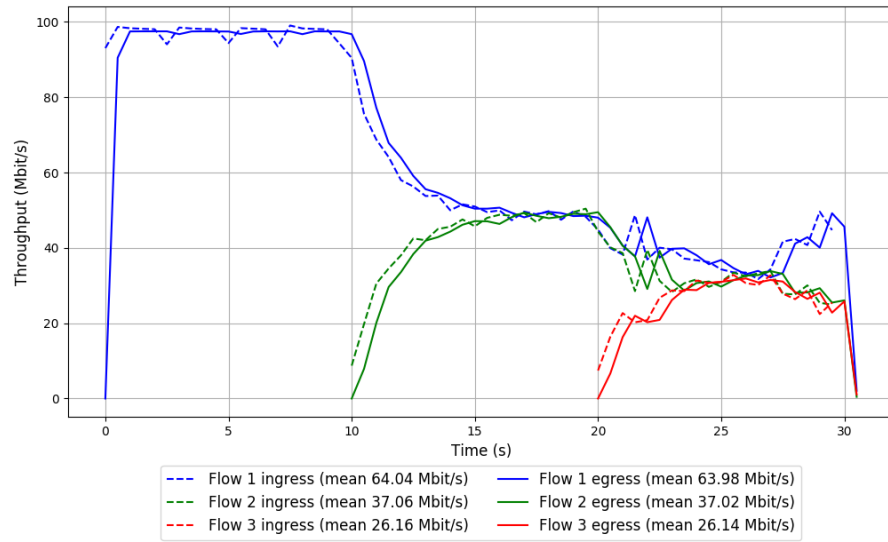
-- Flow 3:

Average throughput: 26.14 Mbit/s

95th percentile per-packet one-way delay: 33.082 ms

Loss rate: 0.16%

Run 3: Report of LEDBAT — Data Link

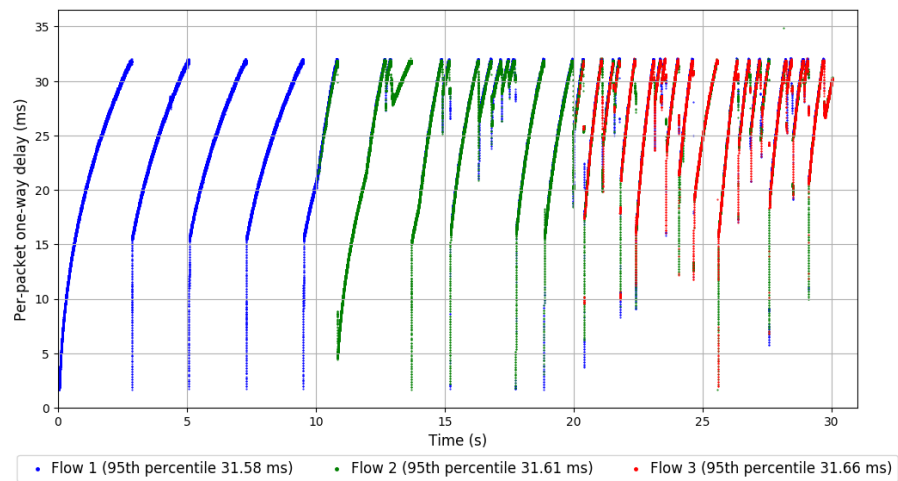
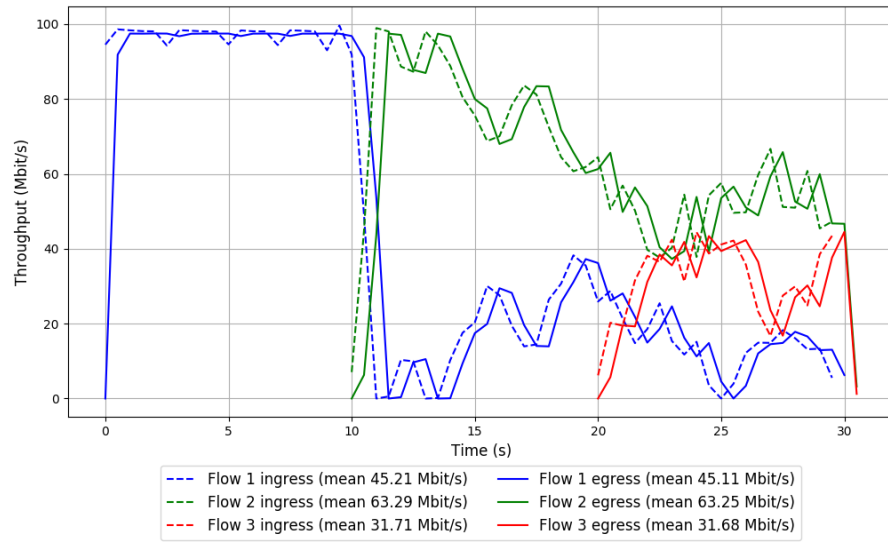


Run 4: Statistics of LEDBAT

Start at: 2019-07-12 05:39:41
End at: 2019-07-12 05:40:11
Local clock offset: -6.975 ms
Remote clock offset: 0.448 ms

Below is generated by plot.py at 2019-07-12 06:36:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 31.610 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 31.580 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 63.25 Mbit/s
95th percentile per-packet one-way delay: 31.607 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 31.657 ms
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-07-12 06:06:59

End at: 2019-07-12 06:07:29

Local clock offset: -6.42 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2019-07-12 06:36:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 31.019 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 30.556 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 32.093 ms

Loss rate: 0.08%

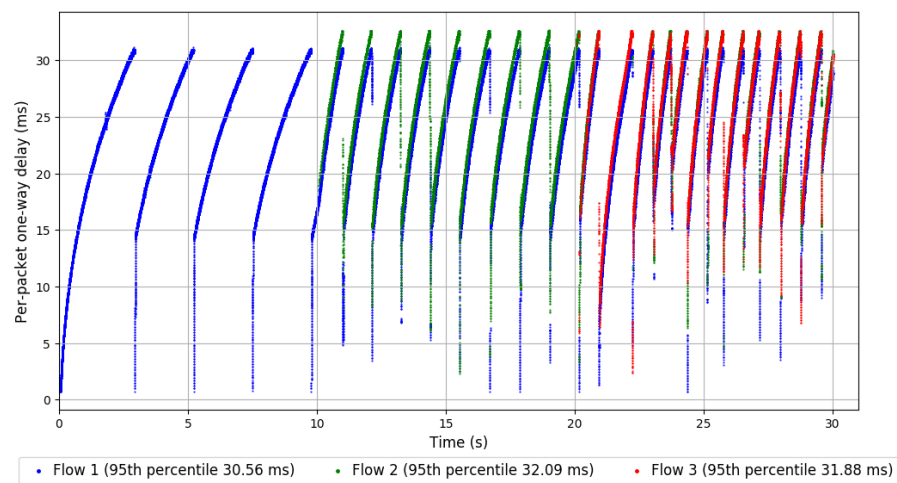
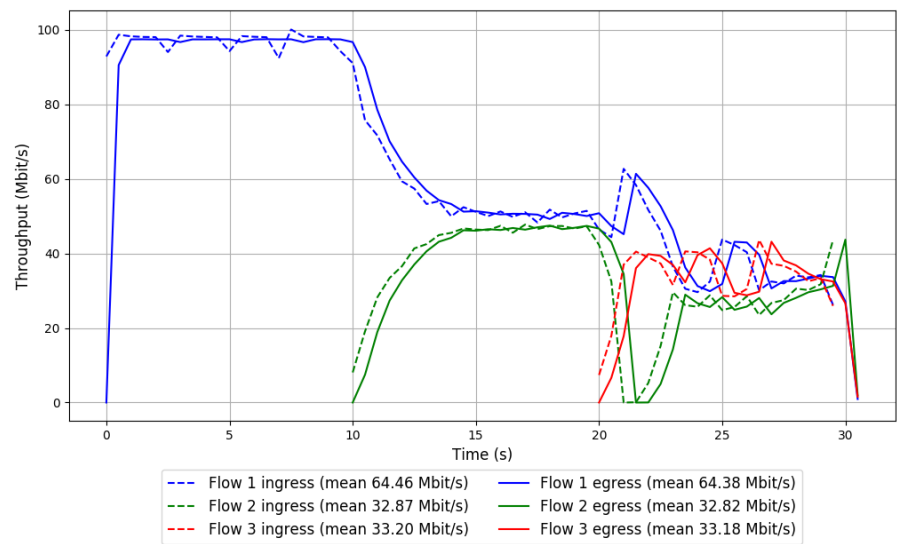
-- Flow 3:

Average throughput: 33.18 Mbit/s

95th percentile per-packet one-way delay: 31.881 ms

Loss rate: 0.07%

Run 5: Report of LEDBAT — Data Link

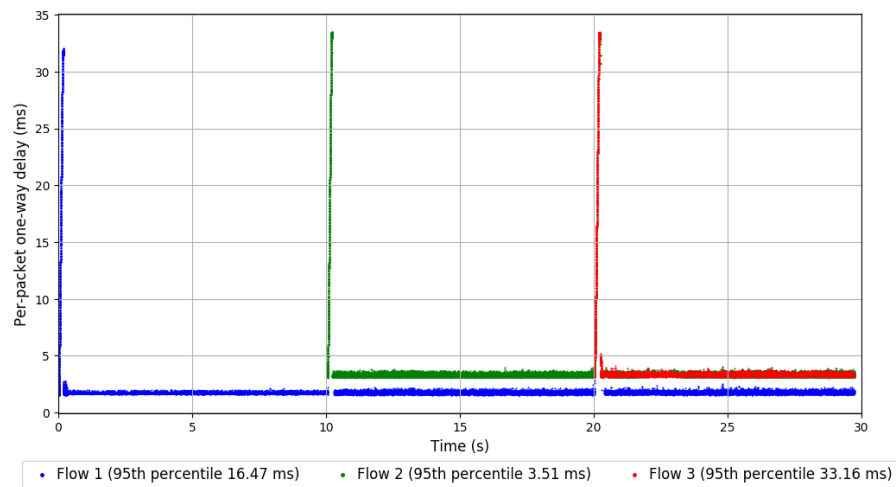
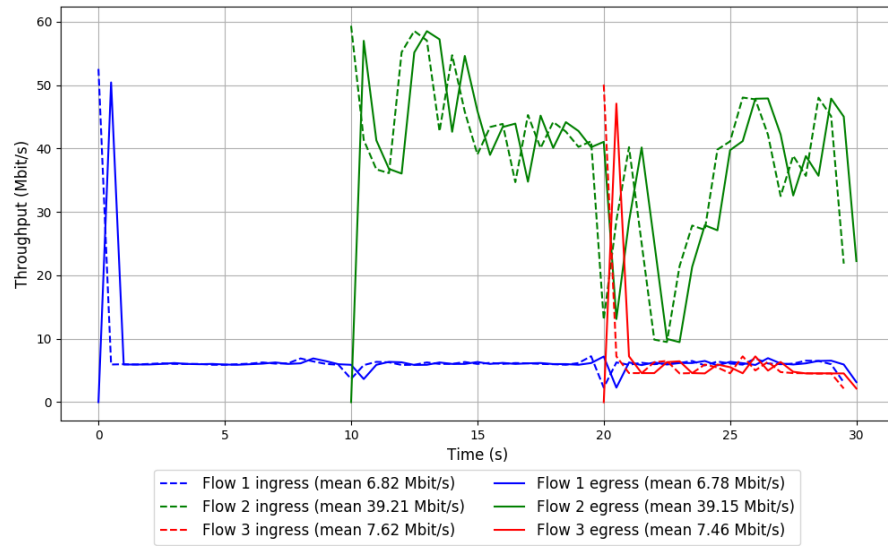


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-12 04:34:47
End at: 2019-07-12 04:35:17
Local clock offset: -7.187 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-07-12 06:36:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.16 Mbit/s
95th percentile per-packet one-way delay: 3.984 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 6.78 Mbit/s
95th percentile per-packet one-way delay: 16.469 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 3.514 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 33.155 ms
Loss rate: 2.02%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-12 05:02:08

End at: 2019-07-12 05:02:38

Local clock offset: -6.78 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2019-07-12 06:36:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.85 Mbit/s

95th percentile per-packet one-way delay: 2.902 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 51.92 Mbit/s

95th percentile per-packet one-way delay: 2.849 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 25.471 ms

Loss rate: 0.95%

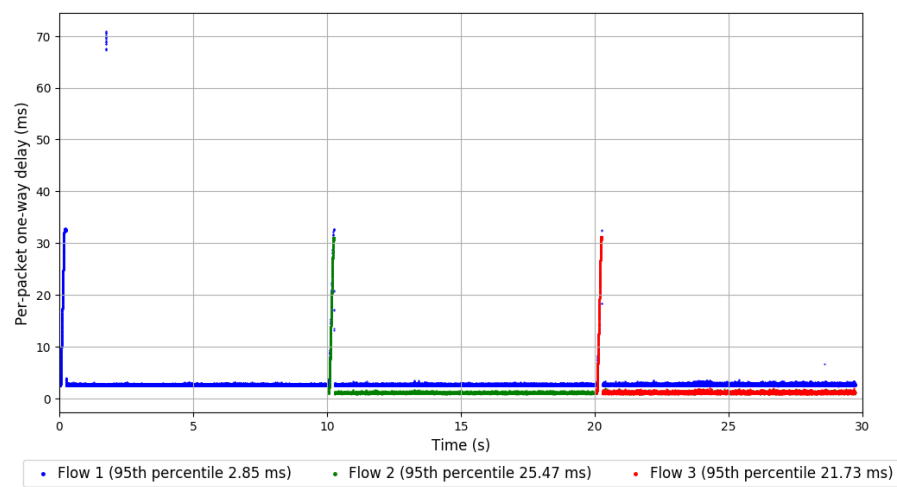
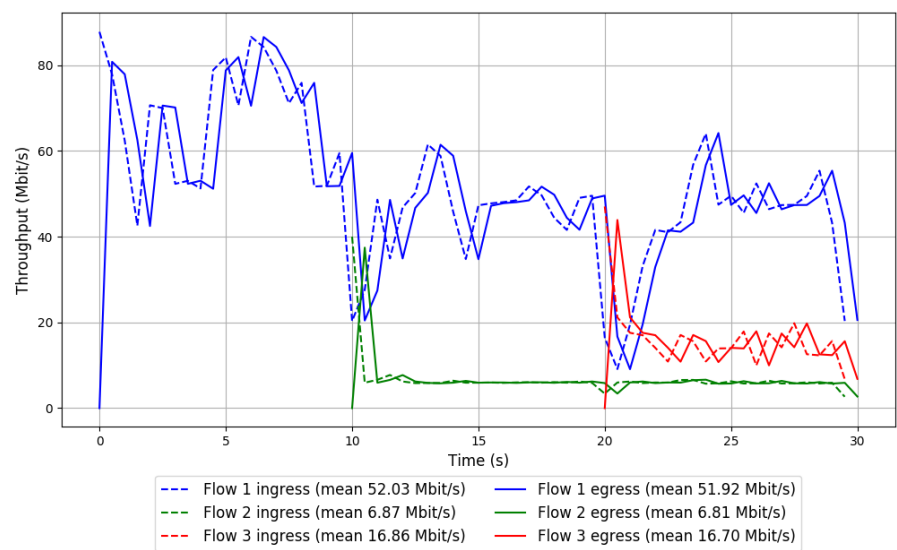
-- Flow 3:

Average throughput: 16.70 Mbit/s

95th percentile per-packet one-way delay: 21.726 ms

Loss rate: 0.95%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-12 05:29:26

End at: 2019-07-12 05:29:56

Local clock offset: -8.067 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2019-07-12 06:36:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 25.281 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 6.67 Mbit/s

95th percentile per-packet one-way delay: 17.308 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 6.05 Mbit/s

95th percentile per-packet one-way delay: 28.251 ms

Loss rate: 0.96%

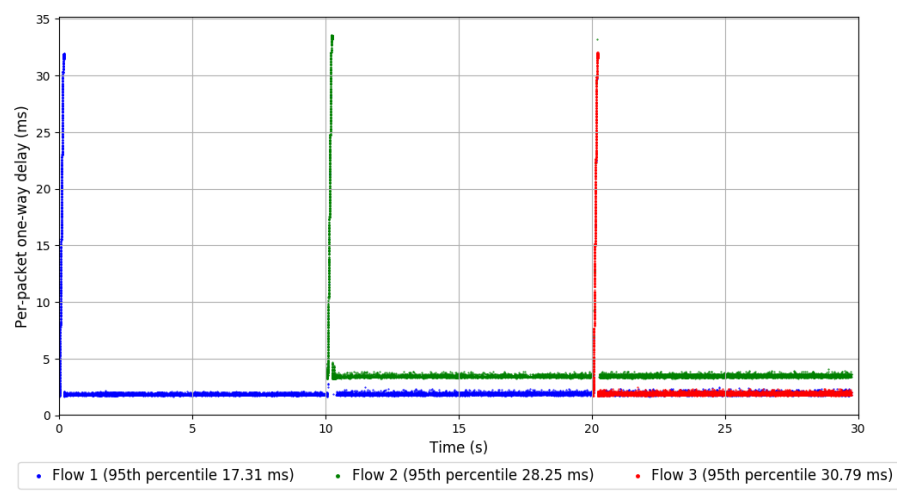
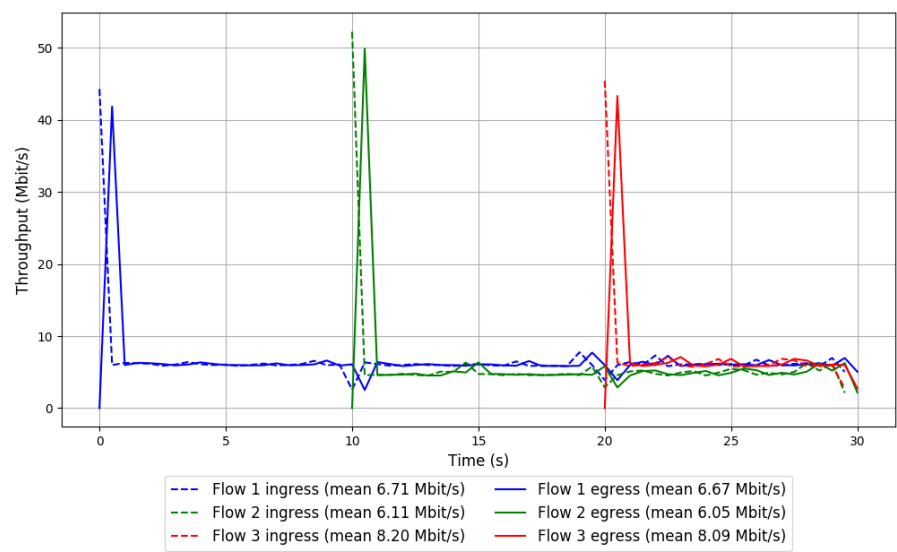
-- Flow 3:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 30.792 ms

Loss rate: 1.32%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-12 05:56:44

End at: 2019-07-12 05:57:14

Local clock offset: -5.645 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2019-07-12 06:36:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.53 Mbit/s

95th percentile per-packet one-way delay: 11.613 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 5.67 Mbit/s

95th percentile per-packet one-way delay: 22.018 ms

Loss rate: 0.78%

-- Flow 2:

Average throughput: 5.87 Mbit/s

95th percentile per-packet one-way delay: 27.826 ms

Loss rate: 1.09%

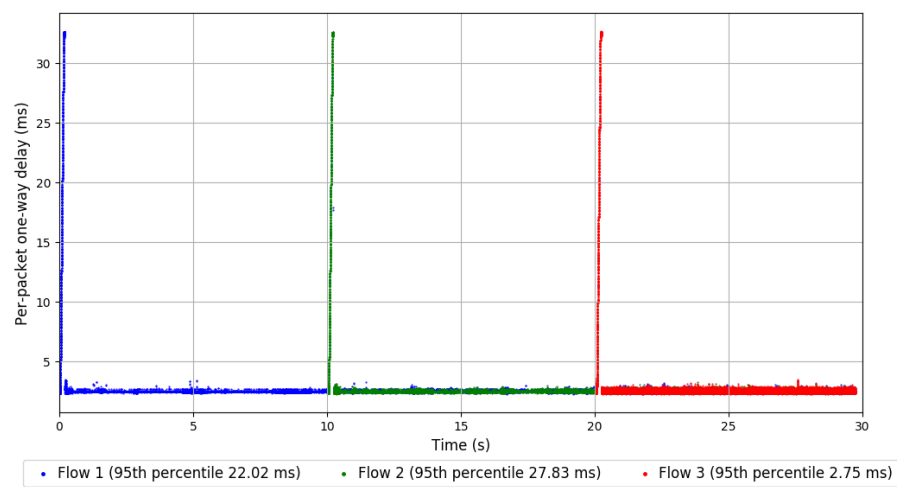
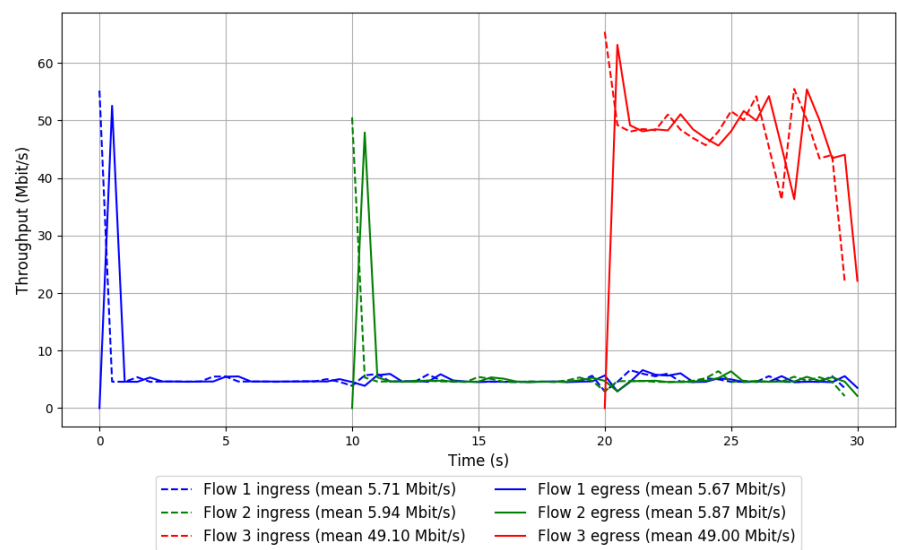
-- Flow 3:

Average throughput: 49.00 Mbit/s

95th percentile per-packet one-way delay: 2.746 ms

Loss rate: 0.22%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-12 06:24:02

End at: 2019-07-12 06:24:32

Local clock offset: -8.114 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2019-07-12 06:36:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.08 Mbit/s

95th percentile per-packet one-way delay: 3.895 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 22.33 Mbit/s

95th percentile per-packet one-way delay: 2.366 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 2.590 ms

Loss rate: 0.33%

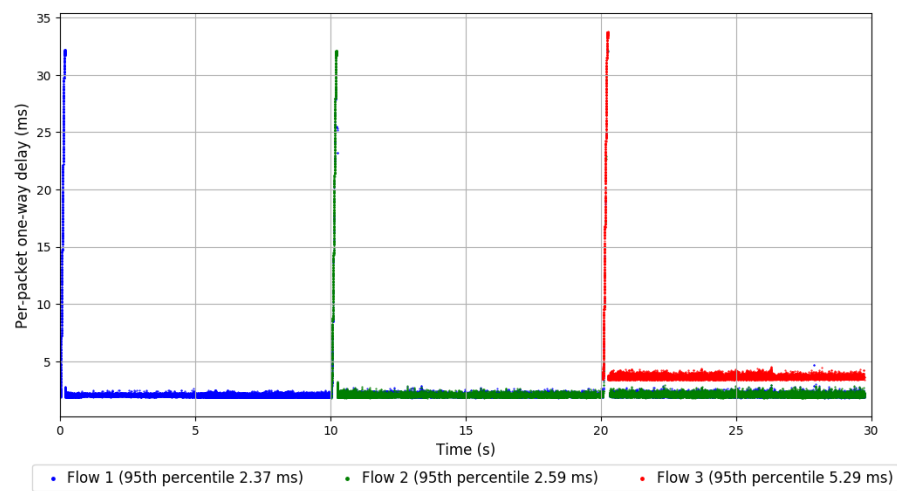
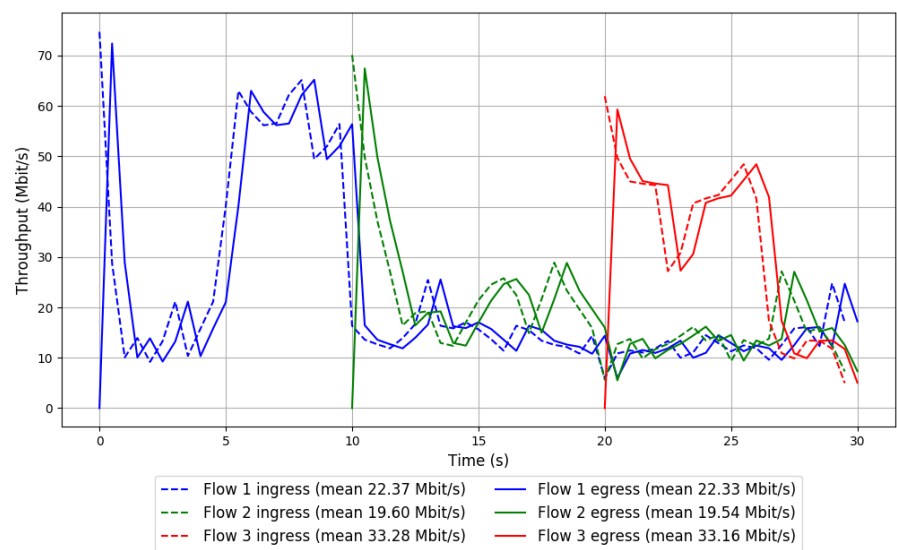
-- Flow 3:

Average throughput: 33.16 Mbit/s

95th percentile per-packet one-way delay: 5.285 ms

Loss rate: 0.37%

Run 5: Report of Muses_DecisionTree — Data Link

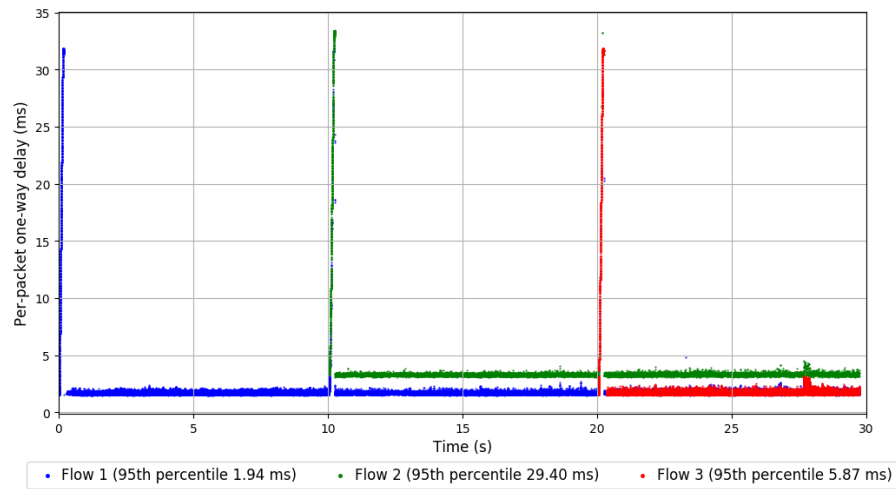
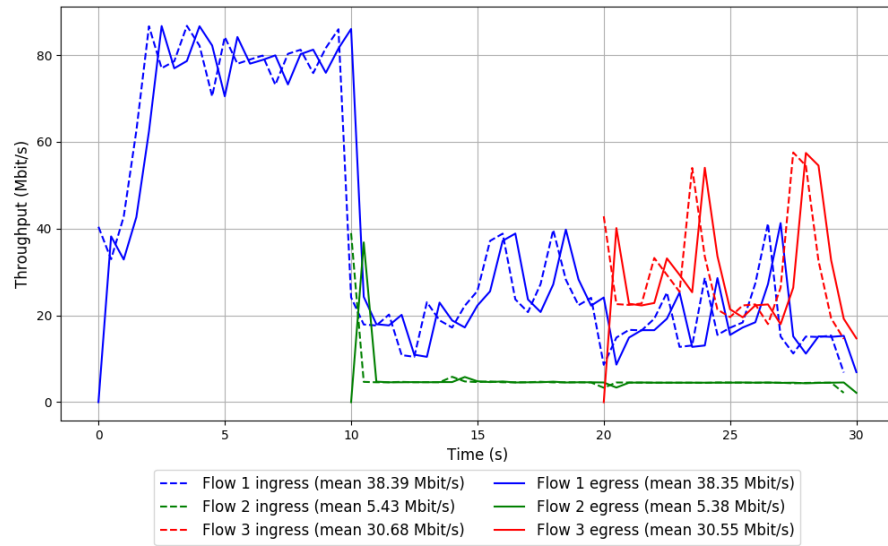


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 04:31:21
End at: 2019-07-12 04:31:51
Local clock offset: -7.245 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-07-12 06:36:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 3.395 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 38.35 Mbit/s
95th percentile per-packet one-way delay: 1.939 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 29.403 ms
Loss rate: 0.97%
-- Flow 3:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 5.874 ms
Loss rate: 0.44%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 04:58:41

End at: 2019-07-12 04:59:11

Local clock offset: -6.405 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2019-07-12 06:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.56 Mbit/s

95th percentile per-packet one-way delay: 3.108 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 63.64 Mbit/s

95th percentile per-packet one-way delay: 3.093 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 34.54 Mbit/s

95th percentile per-packet one-way delay: 3.095 ms

Loss rate: 0.17%

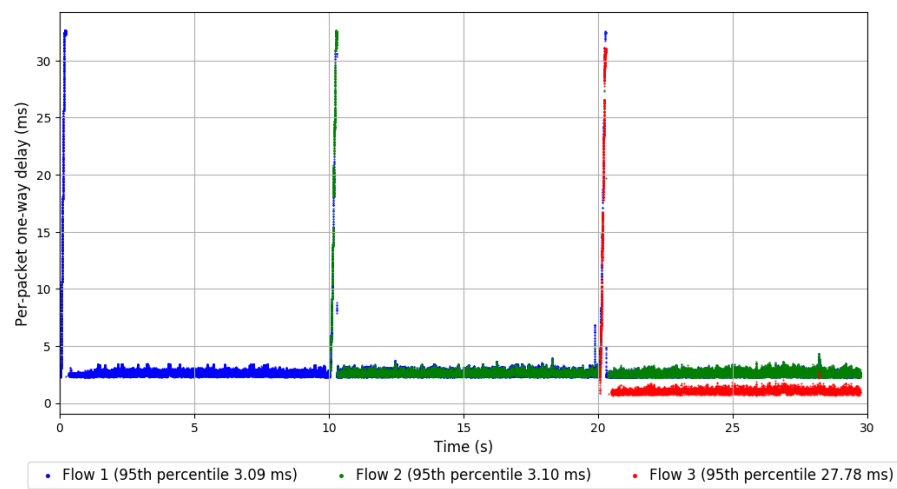
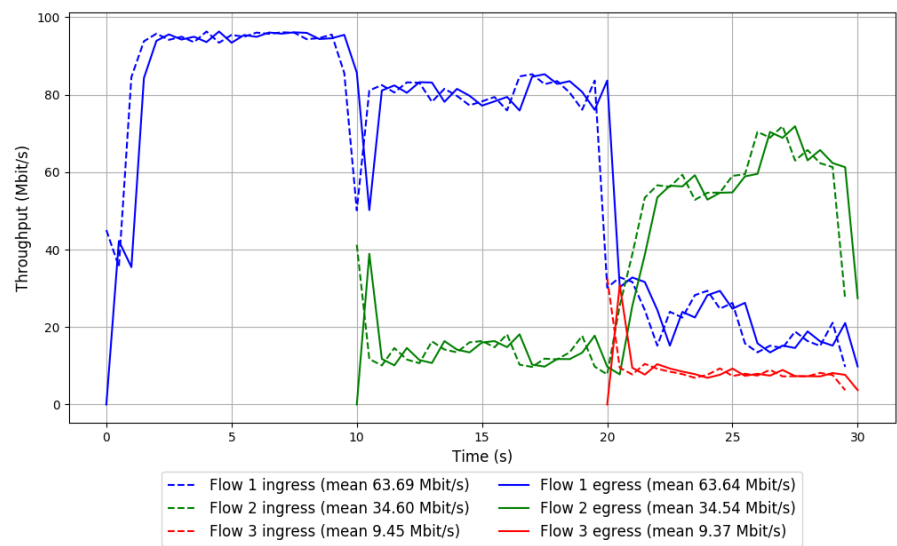
-- Flow 3:

Average throughput: 9.37 Mbit/s

95th percentile per-packet one-way delay: 27.778 ms

Loss rate: 0.92%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 05:26:02

End at: 2019-07-12 05:26:32

Local clock offset: -8.154 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2019-07-12 06:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.44 Mbit/s

95th percentile per-packet one-way delay: 15.217 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 24.903 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 29.881 ms

Loss rate: 1.19%

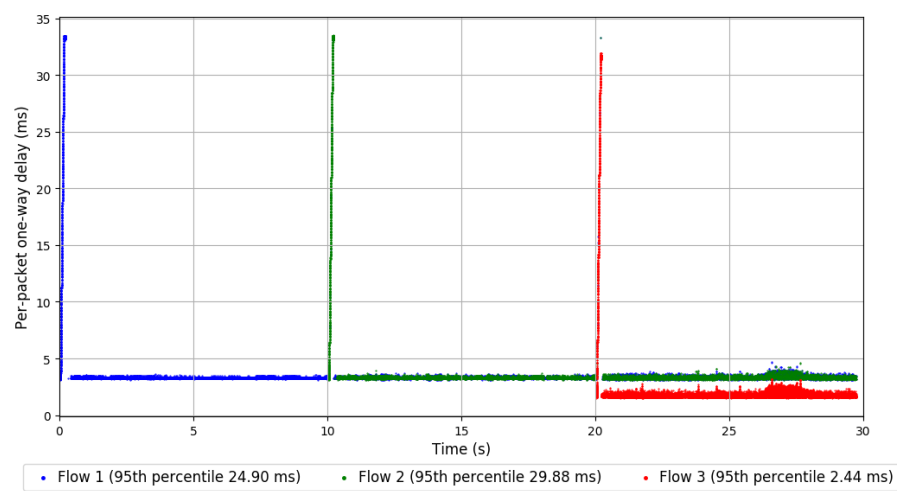
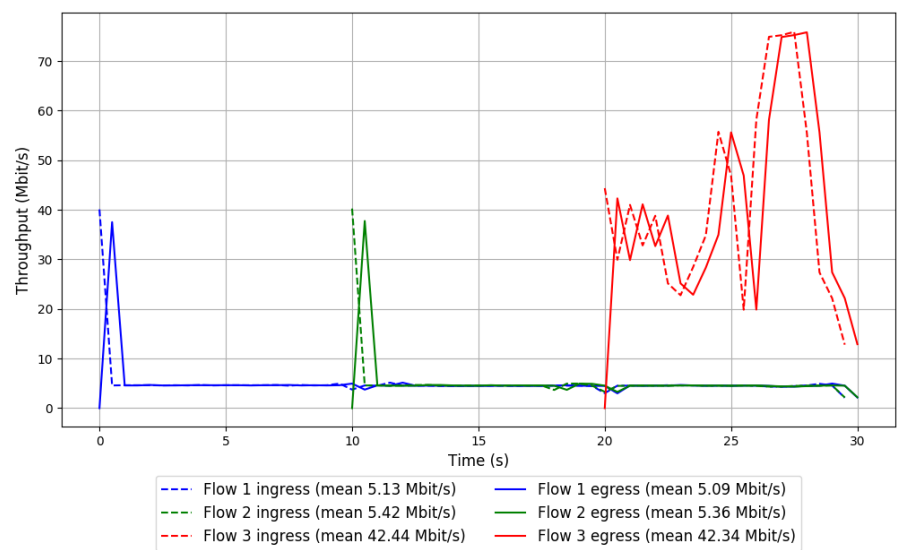
-- Flow 3:

Average throughput: 42.34 Mbit/s

95th percentile per-packet one-way delay: 2.441 ms

Loss rate: 0.24%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 05:53:18

End at: 2019-07-12 05:53:48

Local clock offset: -5.686 ms

Remote clock offset: 0.491 ms

Below is generated by plot.py at 2019-07-12 06:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.96 Mbit/s

95th percentile per-packet one-way delay: 3.164 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 6.24 Mbit/s

95th percentile per-packet one-way delay: 18.172 ms

Loss rate: 0.70%

-- Flow 2:

Average throughput: 73.61 Mbit/s

95th percentile per-packet one-way delay: 3.115 ms

Loss rate: 0.08%

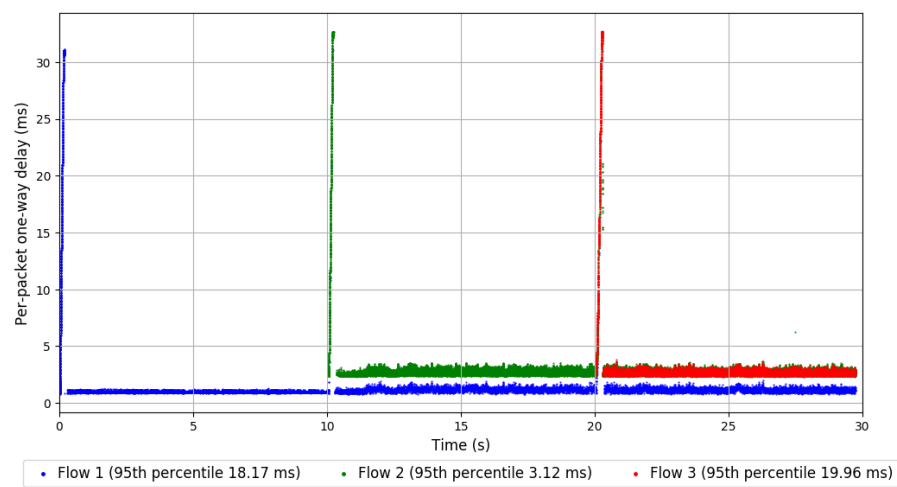
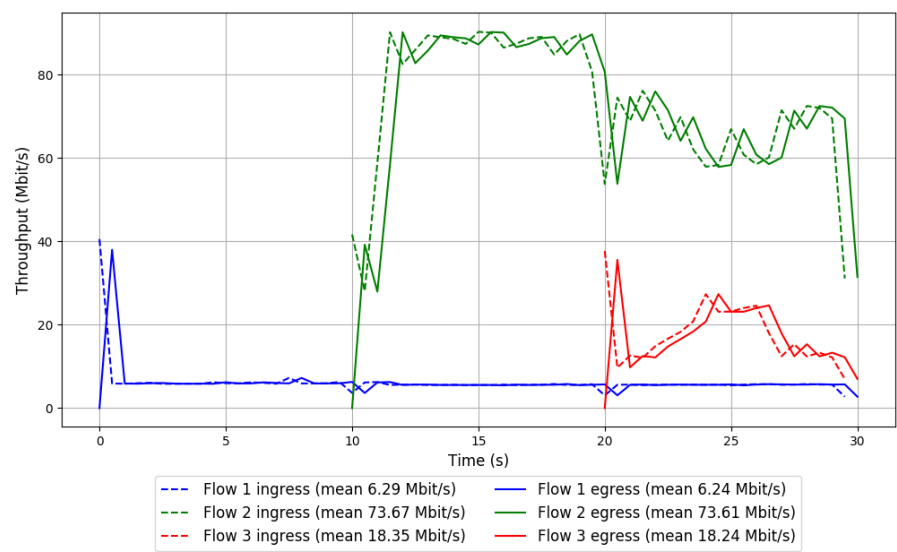
-- Flow 3:

Average throughput: 18.24 Mbit/s

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

Loss rate: 0.57%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-12 06:20:36

End at: 2019-07-12 06:21:06

Local clock offset: -7.74 ms

Remote clock offset: 0.402 ms

Below is generated by plot.py at 2019-07-12 06:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.67 Mbit/s

95th percentile per-packet one-way delay: 3.924 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 26.53 Mbit/s

95th percentile per-packet one-way delay: 2.136 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 23.330 ms

Loss rate: 0.74%

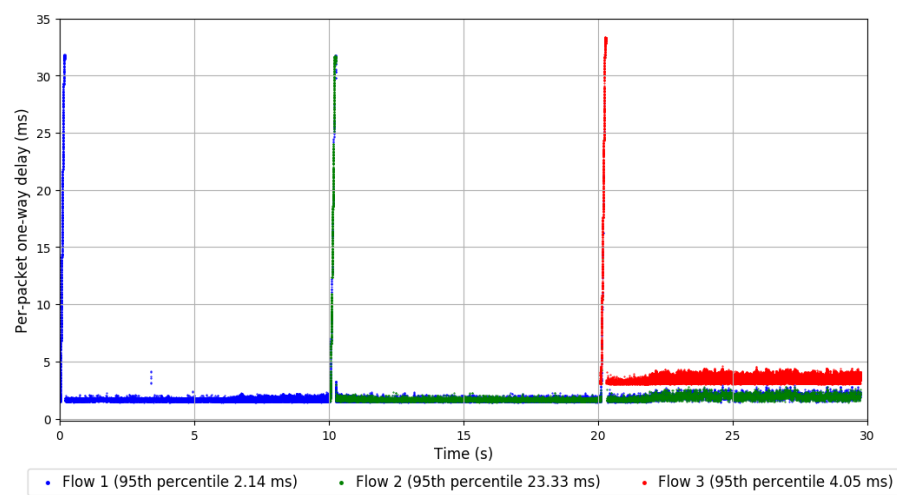
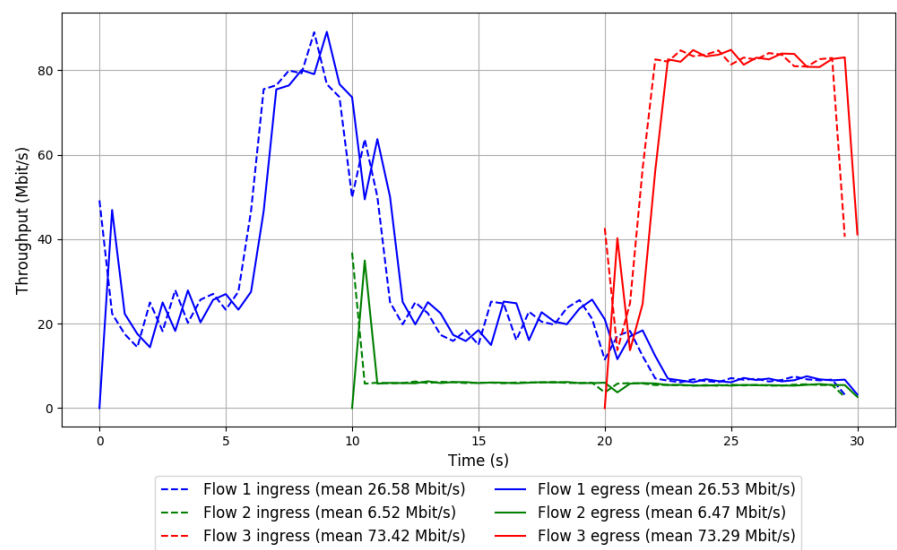
-- Flow 3:

Average throughput: 73.29 Mbit/s

95th percentile per-packet one-way delay: 4.049 ms

Loss rate: 0.16%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

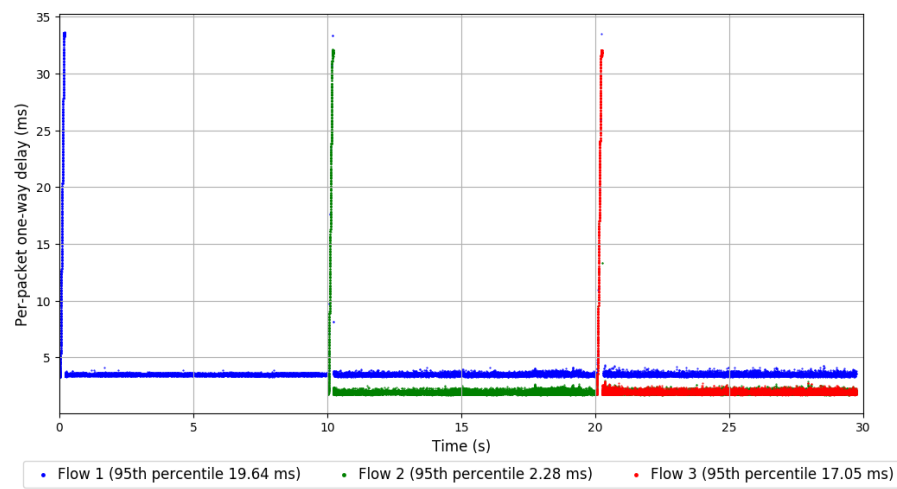
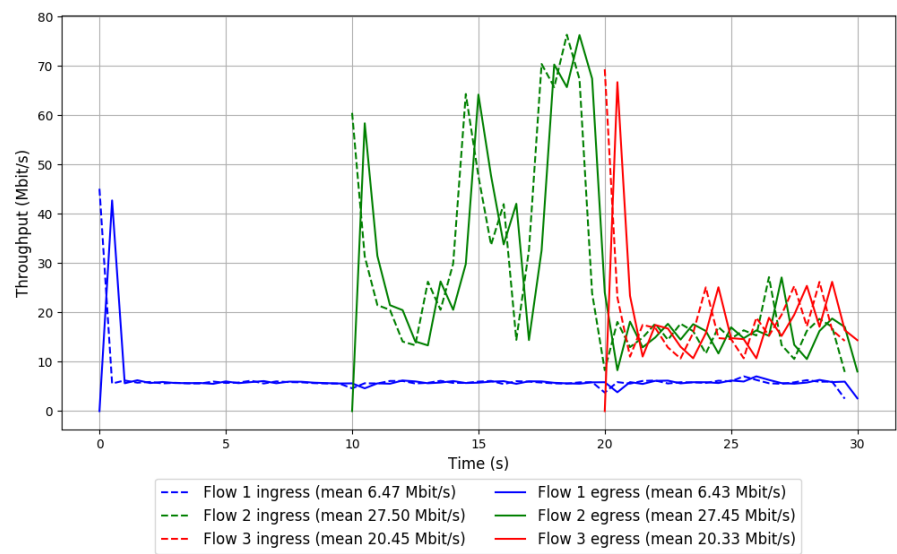


Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 04:18:53
End at: 2019-07-12 04:19:23
Local clock offset: -7.51 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2019-07-12 06:37:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 4.829 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 6.43 Mbit/s
95th percentile per-packet one-way delay: 19.636 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 2.284 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 20.33 Mbit/s
95th percentile per-packet one-way delay: 17.045 ms
Loss rate: 0.57%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 04:46:13

End at: 2019-07-12 04:46:43

Local clock offset: -6.446 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2019-07-12 06:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.84 Mbit/s

95th percentile per-packet one-way delay: 2.978 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 27.17 Mbit/s

95th percentile per-packet one-way delay: 1.413 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 44.89 Mbit/s

95th percentile per-packet one-way delay: 2.992 ms

Loss rate: 0.24%

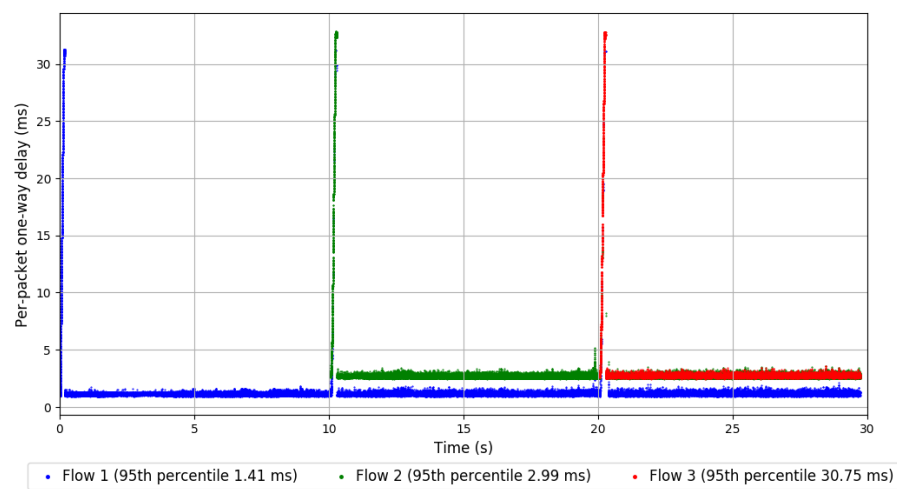
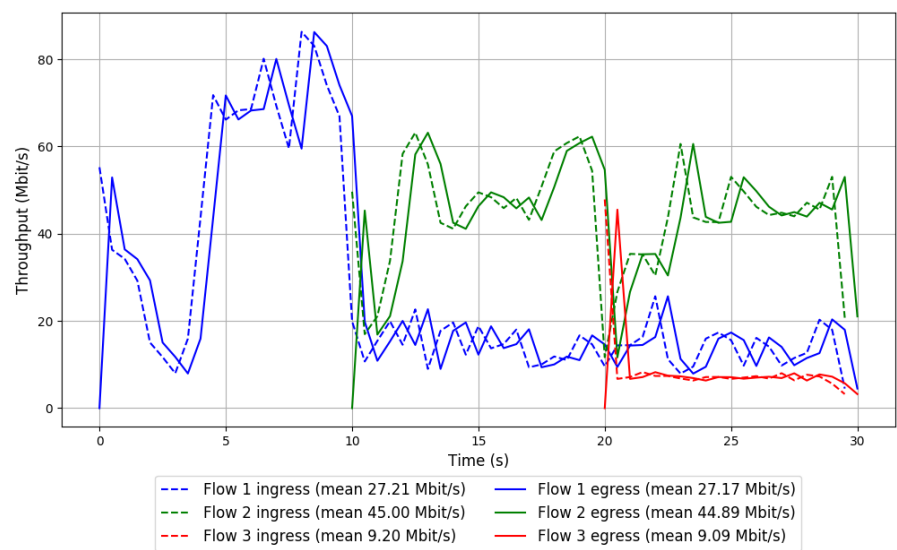
-- Flow 3:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 30.746 ms

Loss rate: 1.29%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 05:13:35

End at: 2019-07-12 05:14:05

Local clock offset: -7.797 ms

Remote clock offset: 0.282 ms

Below is generated by plot.py at 2019-07-12 06:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.85 Mbit/s

95th percentile per-packet one-way delay: 3.739 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 6.31 Mbit/s

95th percentile per-packet one-way delay: 20.433 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 48.30 Mbit/s

95th percentile per-packet one-way delay: 3.600 ms

Loss rate: 0.30%

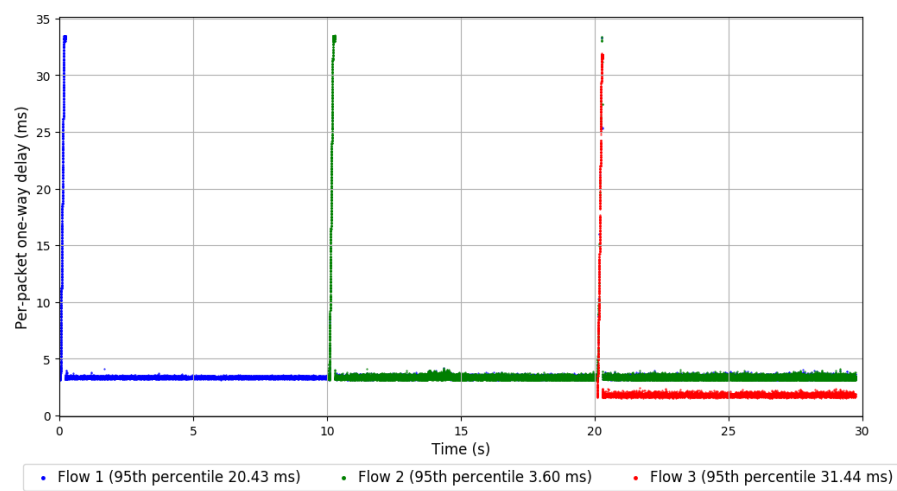
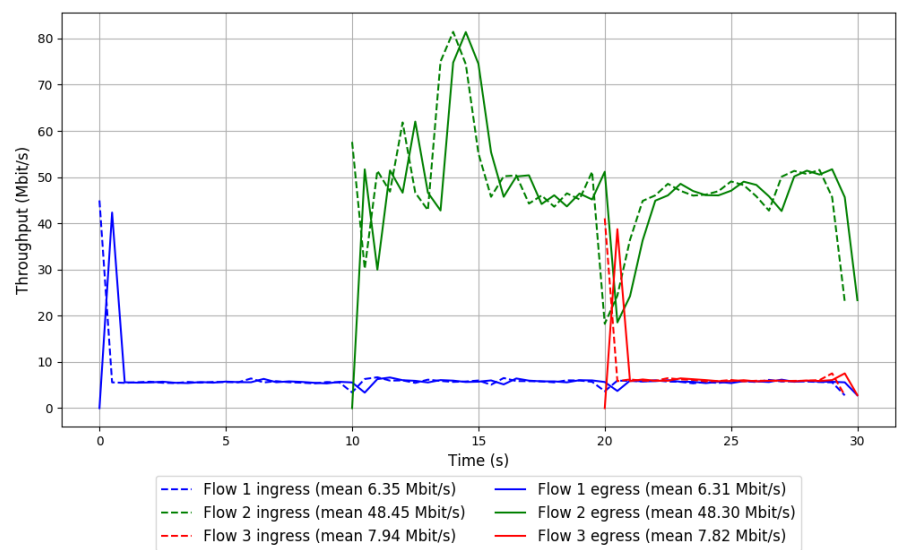
-- Flow 3:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 31.441 ms

Loss rate: 1.52%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 05:40:51

End at: 2019-07-12 05:41:21

Local clock offset: -6.062 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2019-07-12 06:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.36 Mbit/s

95th percentile per-packet one-way delay: 8.095 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 6.23 Mbit/s

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

Loss rate: 0.58%

-- Flow 2:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 23.840 ms

Loss rate: 0.92%

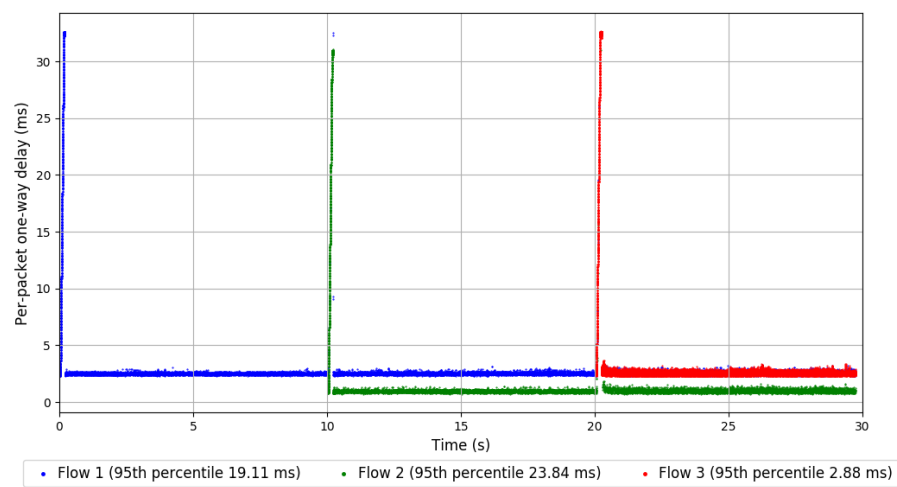
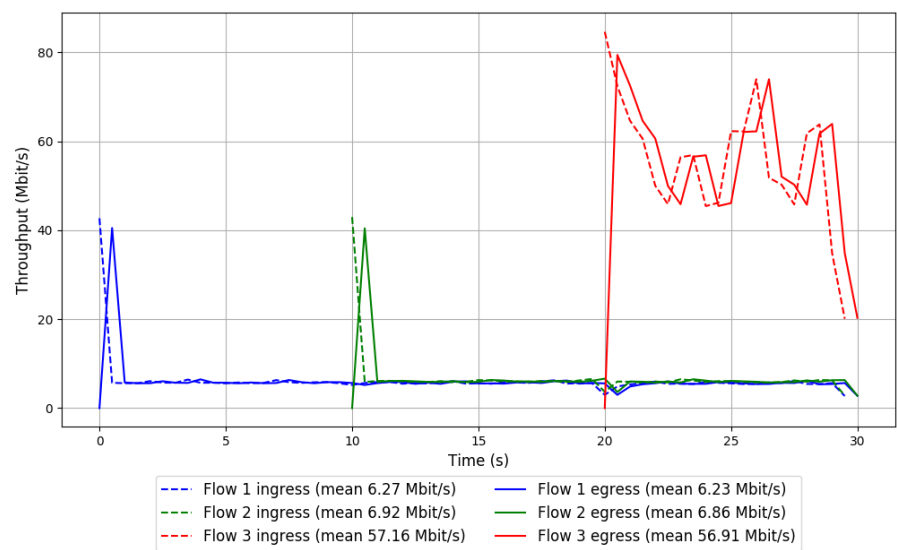
-- Flow 3:

Average throughput: 56.91 Mbit/s

95th percentile per-packet one-way delay: 2.882 ms

Loss rate: 0.43%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-12 06:08:10

End at: 2019-07-12 06:08:40

Local clock offset: -6.496 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2019-07-12 06:37:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.68 Mbit/s

95th percentile per-packet one-way delay: 3.992 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 9.43 Mbit/s

95th percentile per-packet one-way delay: 8.974 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 29.81 Mbit/s

95th percentile per-packet one-way delay: 1.106 ms

Loss rate: 0.20%

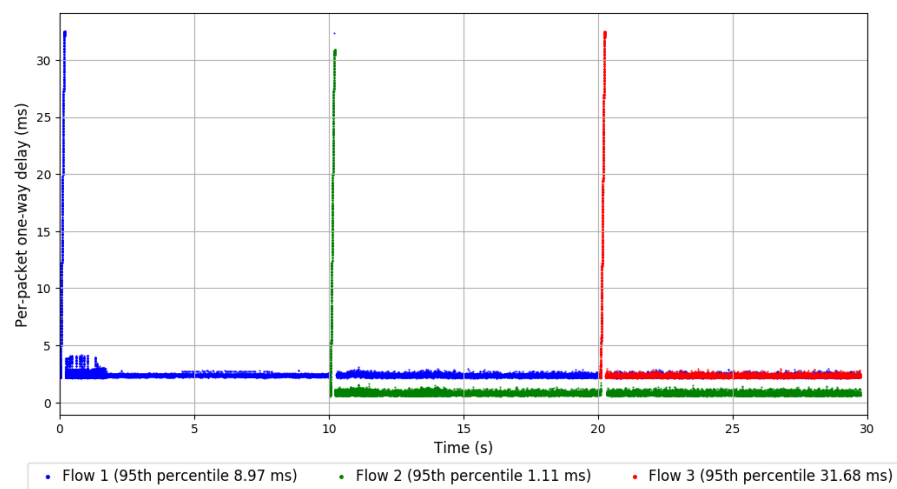
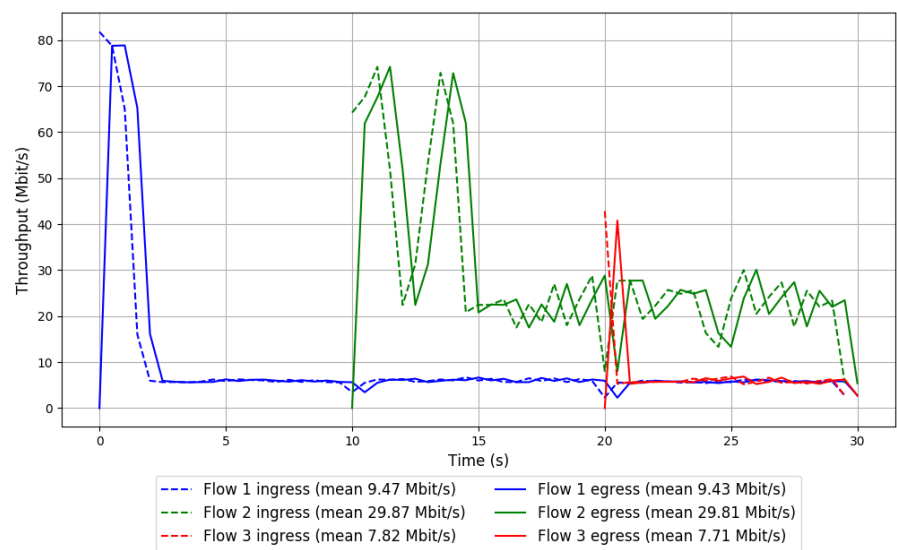
-- Flow 3:

Average throughput: 7.71 Mbit/s

95th percentile per-packet one-way delay: 31.681 ms

Loss rate: 1.34%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-07-12 04:15:23

End at: 2019-07-12 04:15:53

Local clock offset: -6.837 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2019-07-12 06:37:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.07 Mbit/s

95th percentile per-packet one-way delay: 7.240 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.85 Mbit/s

95th percentile per-packet one-way delay: 6.105 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.01 Mbit/s

95th percentile per-packet one-way delay: 8.891 ms

Loss rate: 0.00%

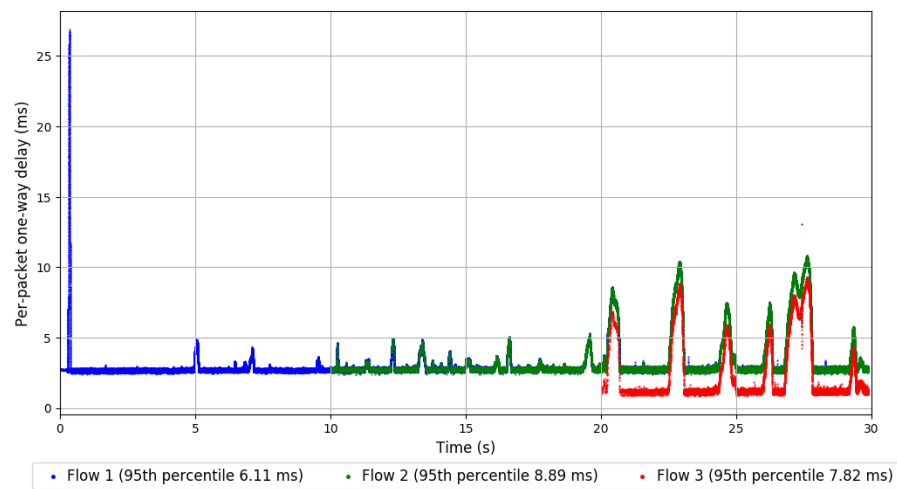
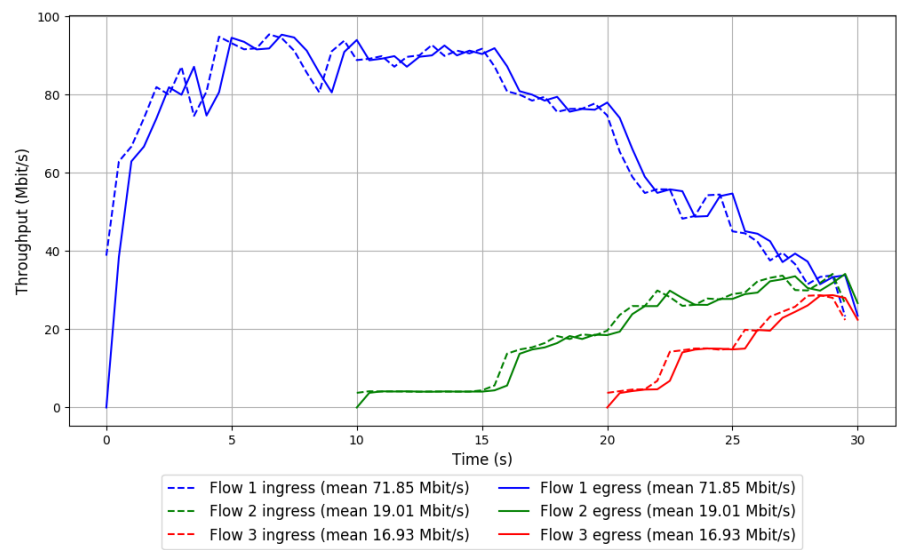
-- Flow 3:

Average throughput: 16.93 Mbit/s

95th percentile per-packet one-way delay: 7.824 ms

Loss rate: 0.00%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-07-12 04:42:44

End at: 2019-07-12 04:43:14

Local clock offset: -6.22 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2019-07-12 06:37:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.60 Mbit/s

95th percentile per-packet one-way delay: 13.185 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.34 Mbit/s

95th percentile per-packet one-way delay: 10.948 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.36 Mbit/s

95th percentile per-packet one-way delay: 18.450 ms

Loss rate: 0.00%

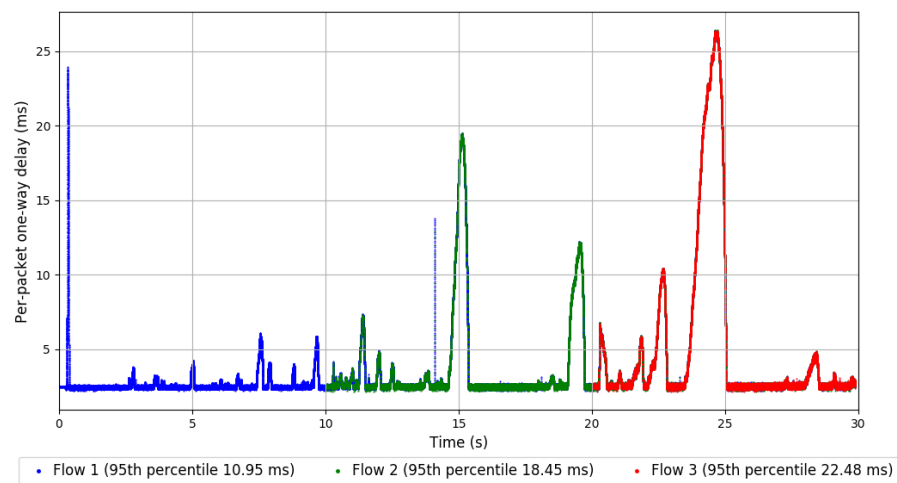
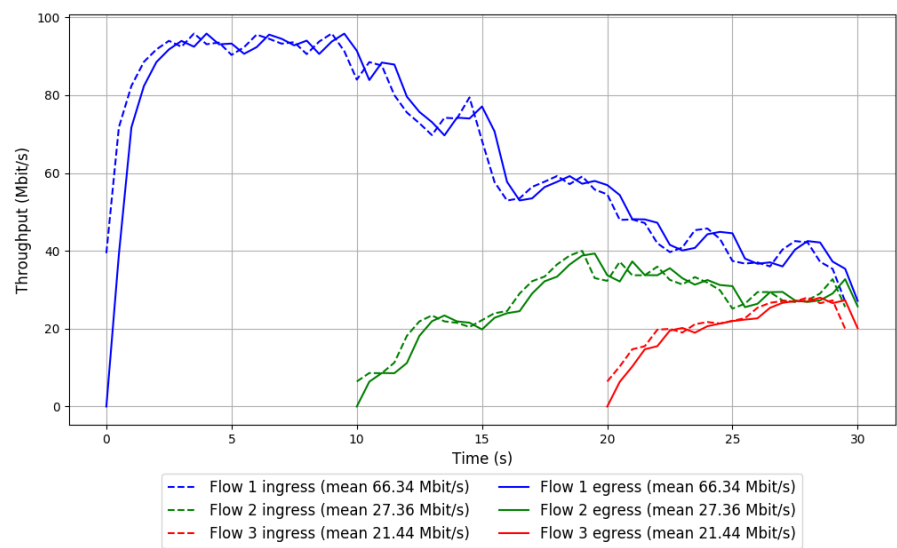
-- Flow 3:

Average throughput: 21.44 Mbit/s

95th percentile per-packet one-way delay: 22.484 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-07-12 05:10:05

End at: 2019-07-12 05:10:35

Local clock offset: -7.067 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2019-07-12 06:37:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.38 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 79.20 Mbit/s

95th percentile per-packet one-way delay: 5.022 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.50 Mbit/s

95th percentile per-packet one-way delay: 7.605 ms

Loss rate: 0.00%

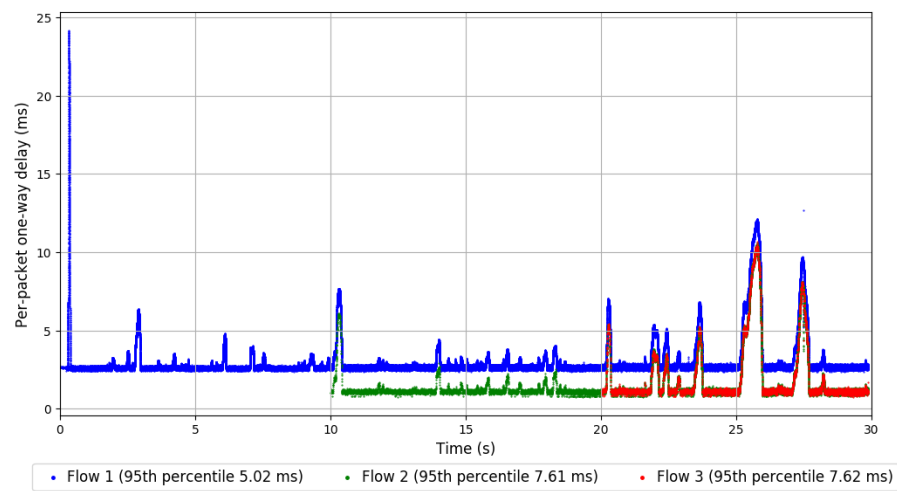
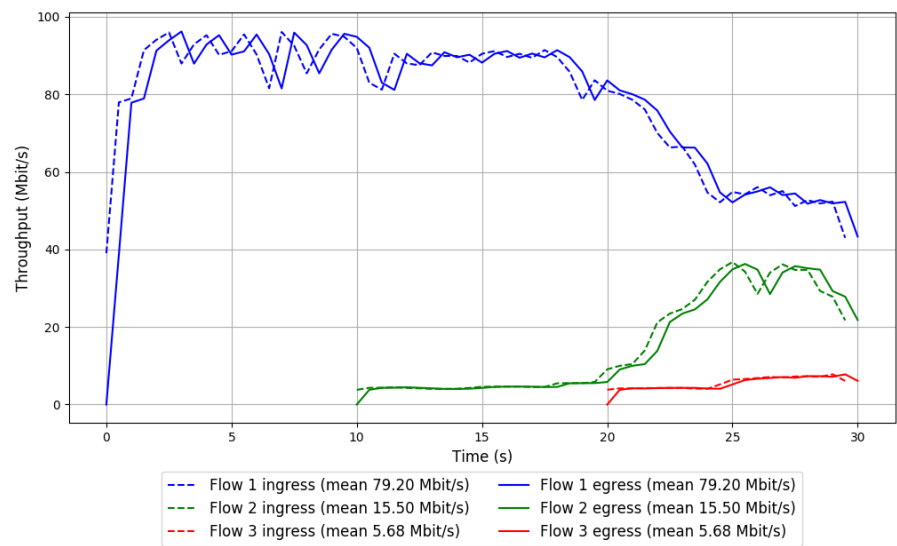
-- Flow 3:

Average throughput: 5.68 Mbit/s

95th percentile per-packet one-way delay: 7.623 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-07-12 05:37:22

End at: 2019-07-12 05:37:52

Local clock offset: -7.273 ms

Remote clock offset: 0.39 ms

Below is generated by plot.py at 2019-07-12 06:37:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.10 Mbit/s

95th percentile per-packet one-way delay: 4.989 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.99 Mbit/s

95th percentile per-packet one-way delay: 4.299 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.93 Mbit/s

95th percentile per-packet one-way delay: 6.764 ms

Loss rate: 0.00%

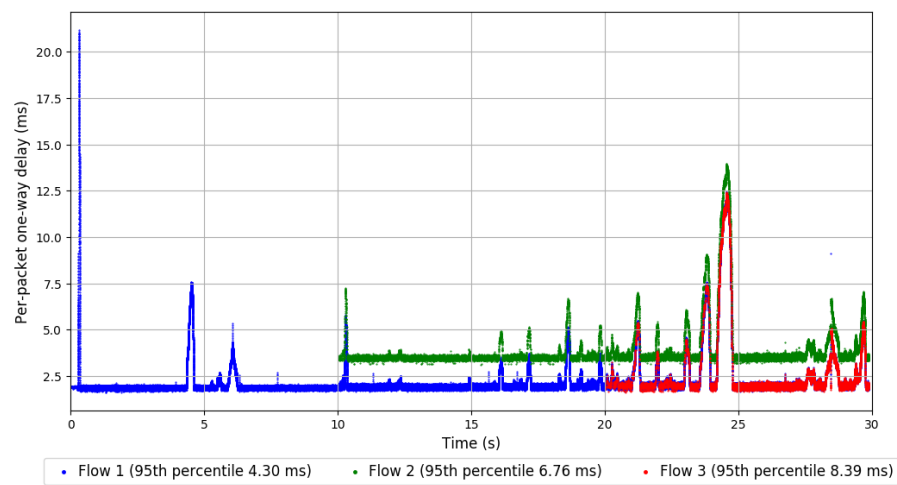
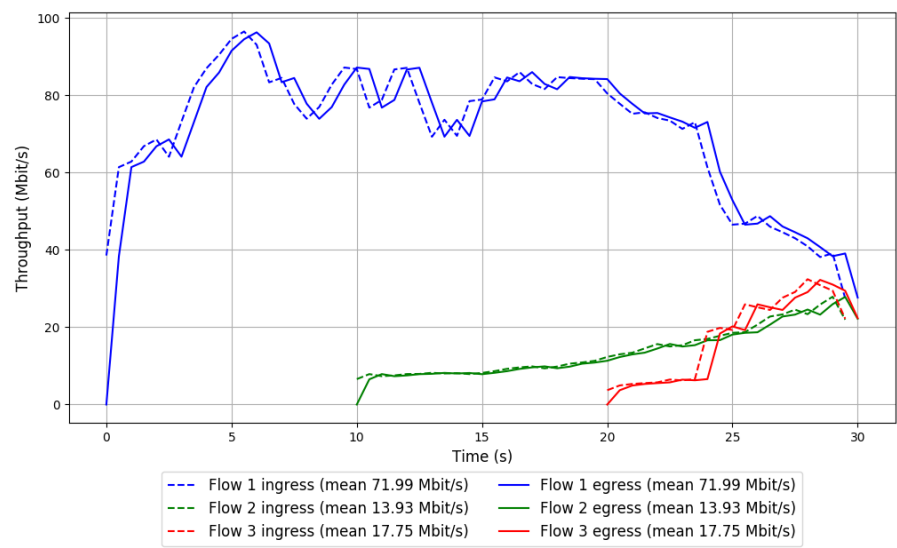
-- Flow 3:

Average throughput: 17.75 Mbit/s

95th percentile per-packet one-way delay: 8.387 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-07-12 06:04:41

End at: 2019-07-12 06:05:11

Local clock offset: -7.266 ms

Remote clock offset: 0.432 ms

Below is generated by plot.py at 2019-07-12 06:38:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.79 Mbit/s

95th percentile per-packet one-way delay: 6.577 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.69 Mbit/s

95th percentile per-packet one-way delay: 5.705 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.07 Mbit/s

95th percentile per-packet one-way delay: 7.240 ms

Loss rate: 0.00%

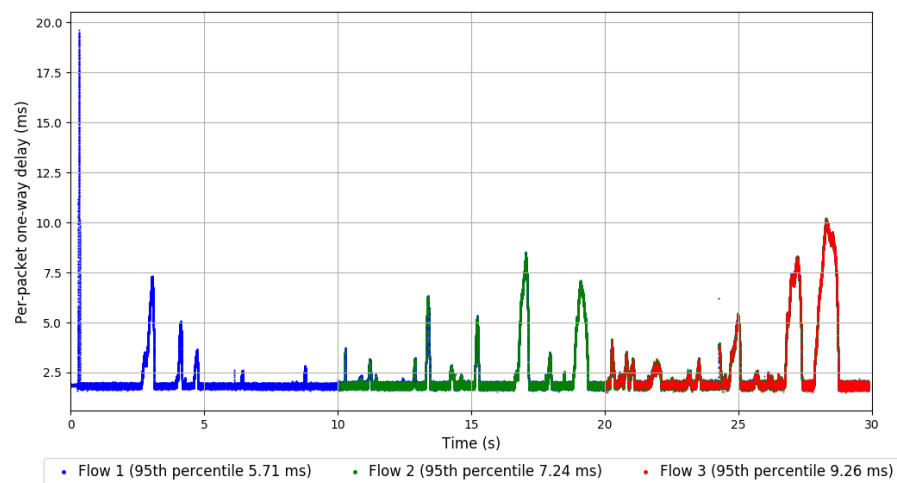
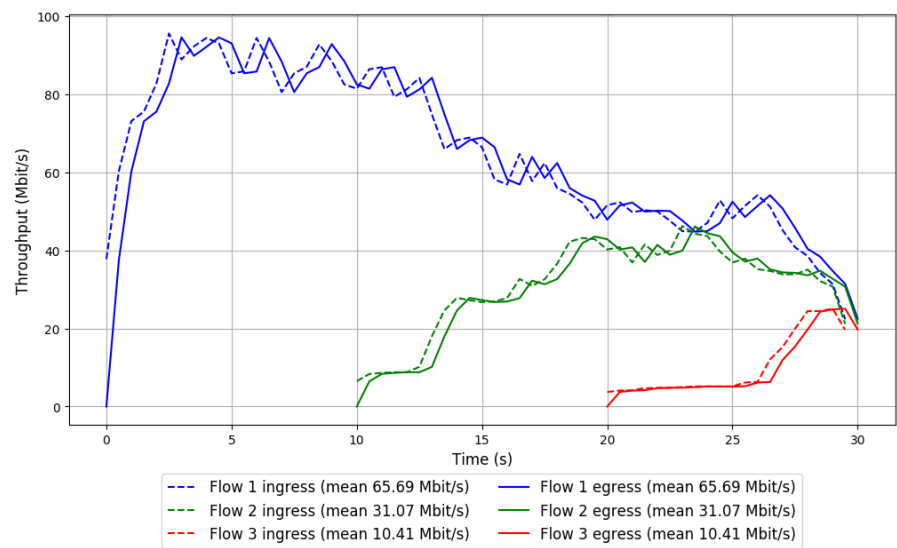
-- Flow 3:

Average throughput: 10.41 Mbit/s

95th percentile per-packet one-way delay: 9.261 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

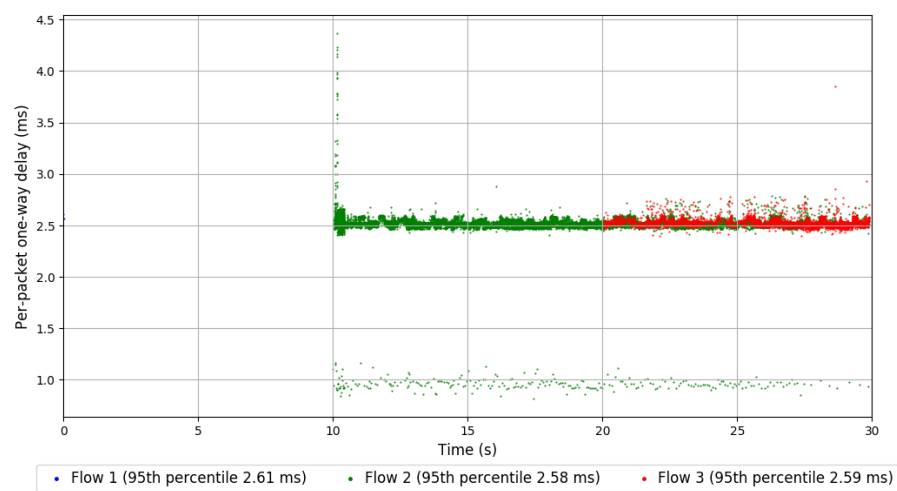
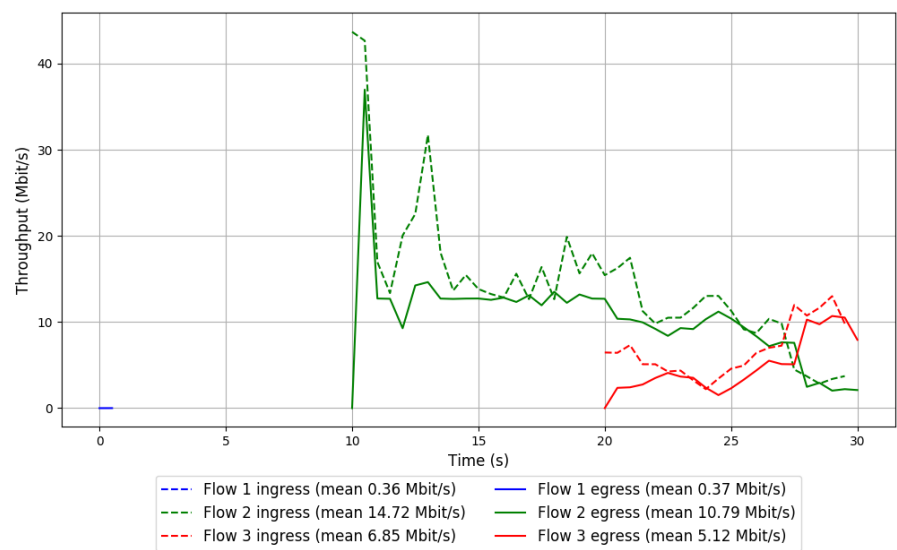


```
Run 1: Statistics of PCC-Expr

Start at: 2019-07-12 04:21:08
End at: 2019-07-12 04:21:38
Local clock offset: -6.729 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2019-07-12 06:38:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 2.580 ms
Loss rate: 26.44%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 2.607 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 2.579 ms
Loss rate: 26.69%
-- Flow 3:
Average throughput: 5.12 Mbit/s
95th percentile per-packet one-way delay: 2.586 ms
Loss rate: 25.31%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-07-12 04:48:29

End at: 2019-07-12 04:48:59

Local clock offset: -7.055 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2019-07-12 06:38:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.83 Mbit/s

95th percentile per-packet one-way delay: 12.119 ms

Loss rate: 44.92%

-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 3.318 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 14.844 ms

Loss rate: 54.19%

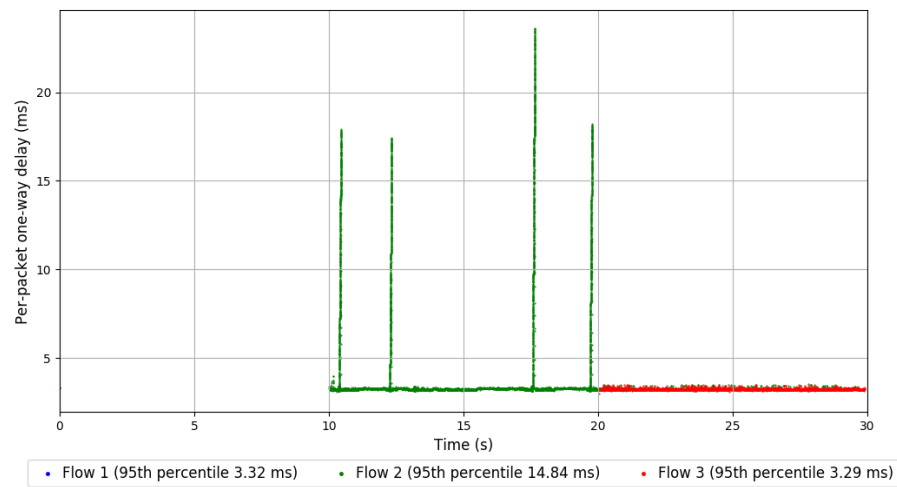
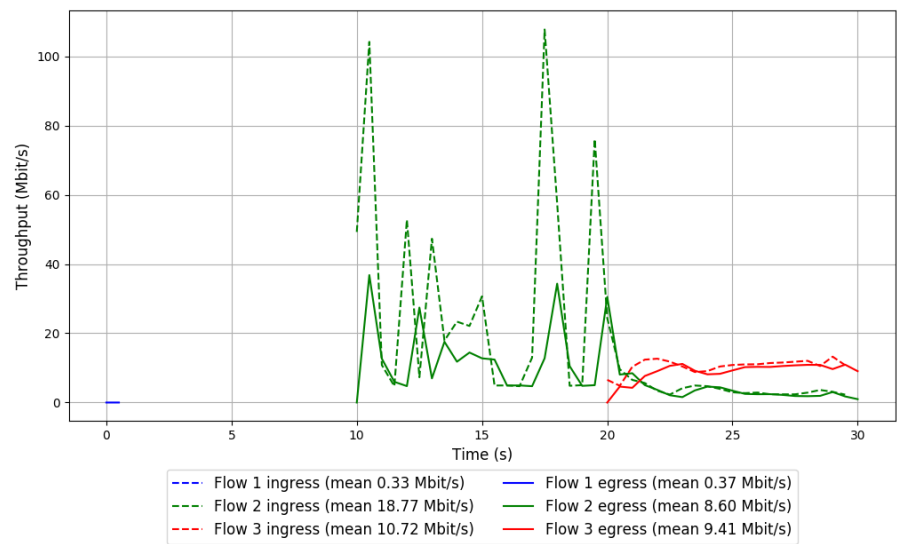
-- Flow 3:

Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 3.287 ms

Loss rate: 12.22%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-07-12 05:15:50

End at: 2019-07-12 05:16:20

Local clock offset: -7.874 ms

Remote clock offset: 0.293 ms

Below is generated by plot.py at 2019-07-12 06:38:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 8.167 ms

Loss rate: 30.14%

-- Flow 1:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 1.863 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 8.52 Mbit/s

95th percentile per-packet one-way delay: 9.504 ms

Loss rate: 30.45%

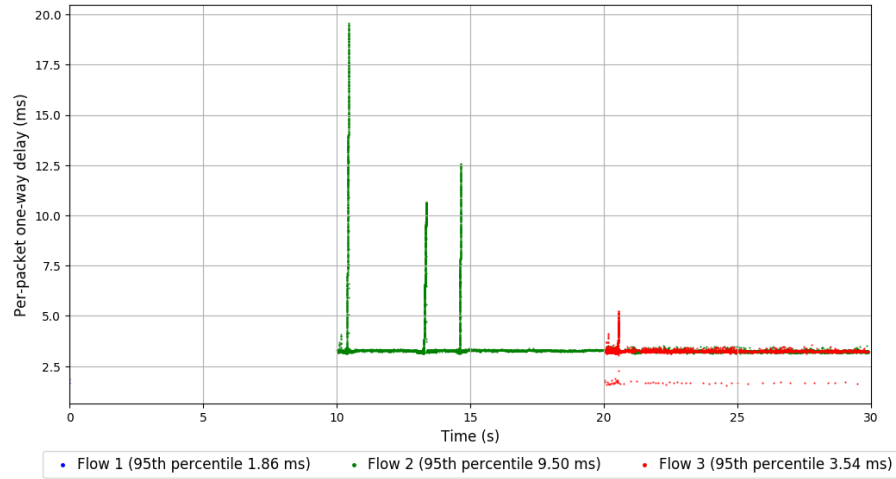
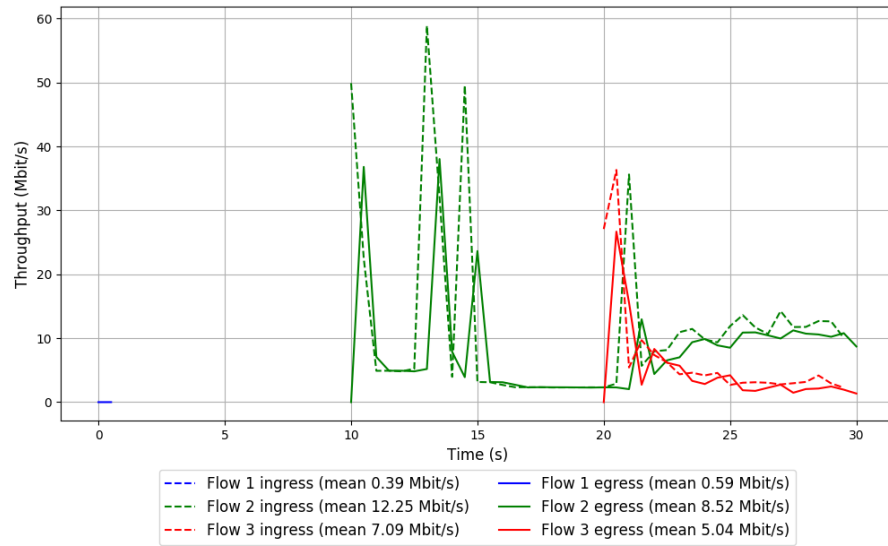
-- Flow 3:

Average throughput: 5.04 Mbit/s

95th percentile per-packet one-way delay: 3.535 ms

Loss rate: 29.03%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-07-12 05:43:06

End at: 2019-07-12 05:43:36

Local clock offset: -5.96 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2019-07-12 06:38:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.87 Mbit/s

95th percentile per-packet one-way delay: 2.420 ms

Loss rate: 23.87%

-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 2.470 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 2.425 ms

Loss rate: 23.03%

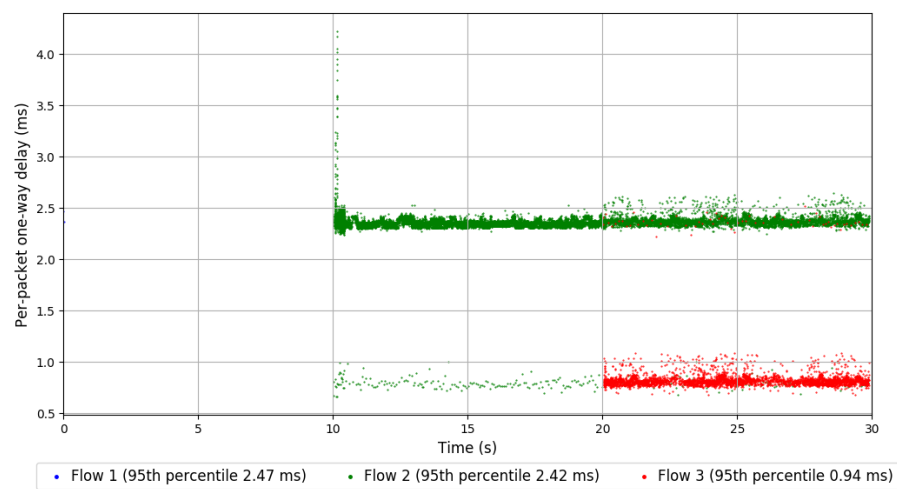
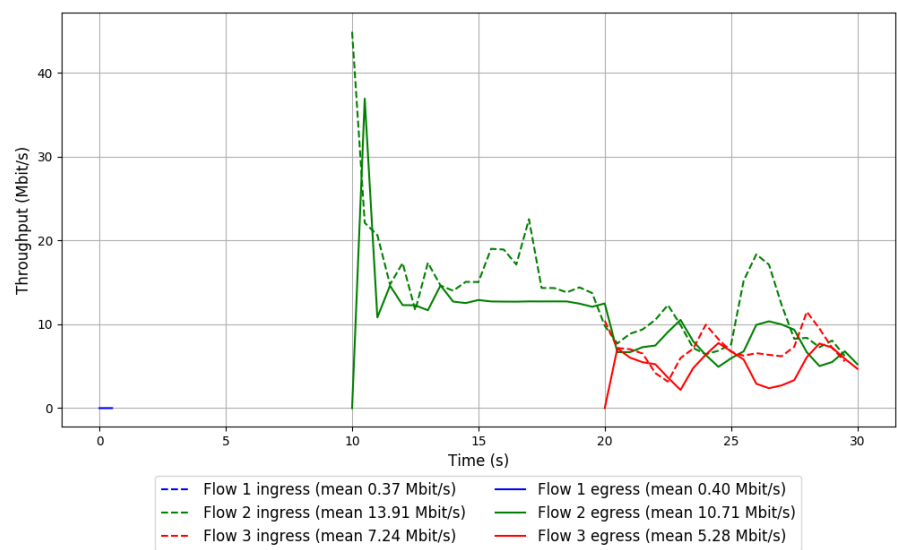
-- Flow 3:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 0.941 ms

Loss rate: 27.11%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-07-12 06:10:25

End at: 2019-07-12 06:10:55

Local clock offset: -7.375 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2019-07-12 06:38:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.87 Mbit/s

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

Loss rate: 18.46%

-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 1.737 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 9.94 Mbit/s

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

Loss rate: 17.74%

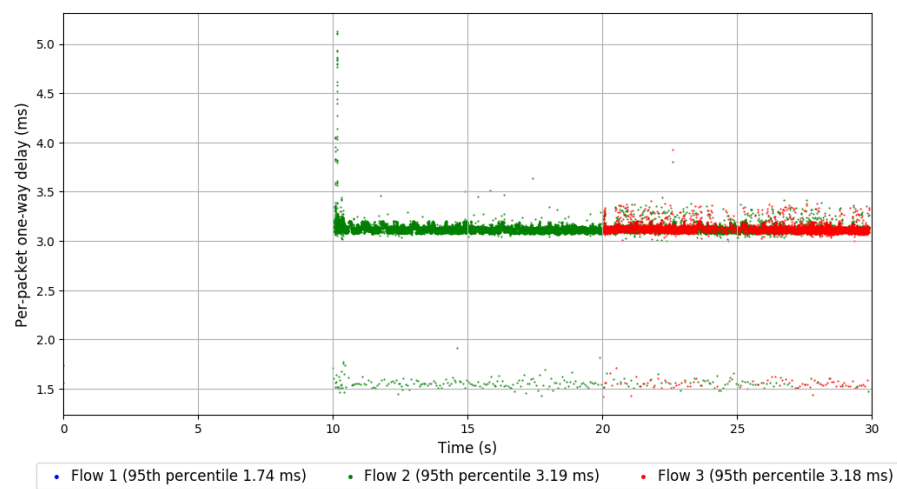
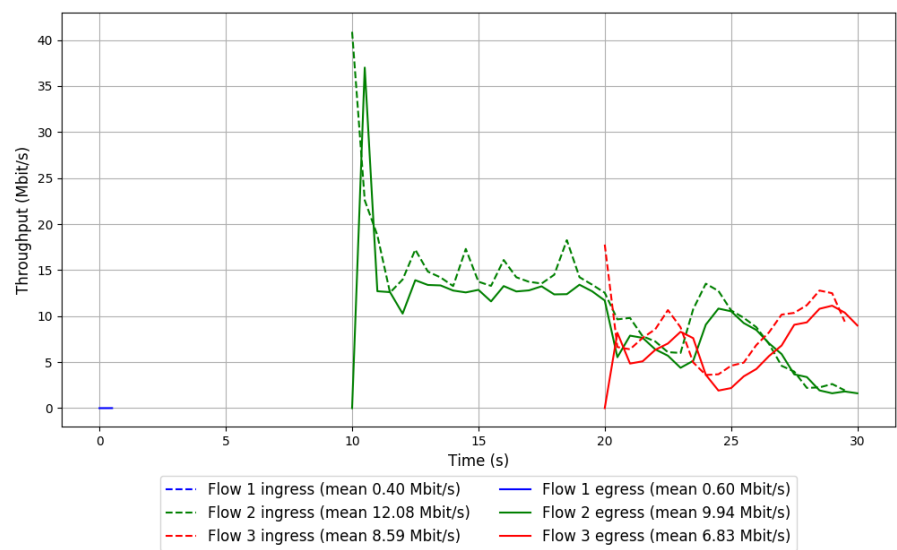
-- Flow 3:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 3.184 ms

Loss rate: 20.51%

Run 5: Report of PCC-Expr — Data Link

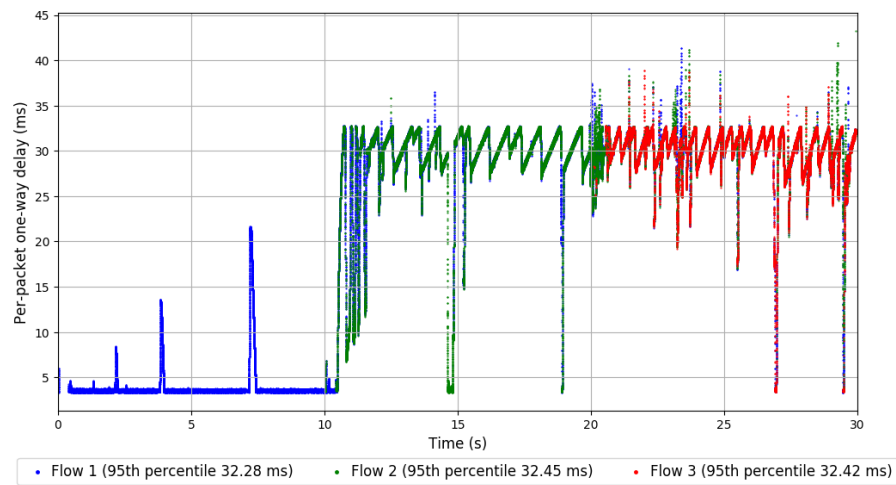
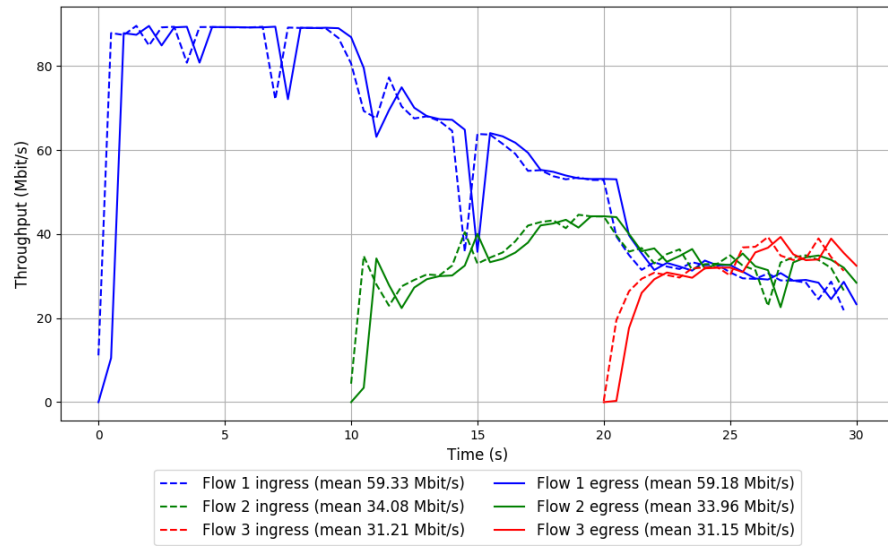


Run 1: Statistics of QUIC Cubic

Start at: 2019-07-12 04:13:04
End at: 2019-07-12 04:13:34
Local clock offset: -7.62 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2019-07-12 06:38:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 32.376 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 59.18 Mbit/s
95th percentile per-packet one-way delay: 32.285 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.96 Mbit/s
95th percentile per-packet one-way delay: 32.445 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 32.417 ms
Loss rate: 0.15%

Run 1: Report of QUIC Cubic — Data Link

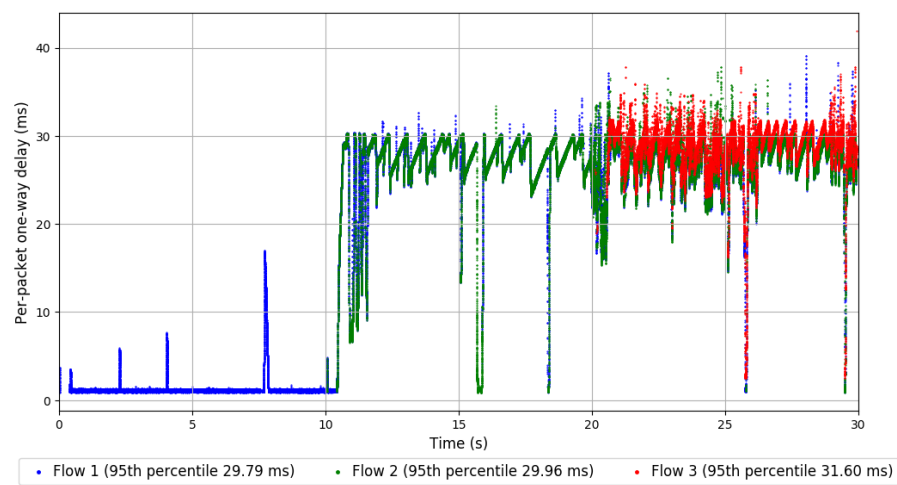
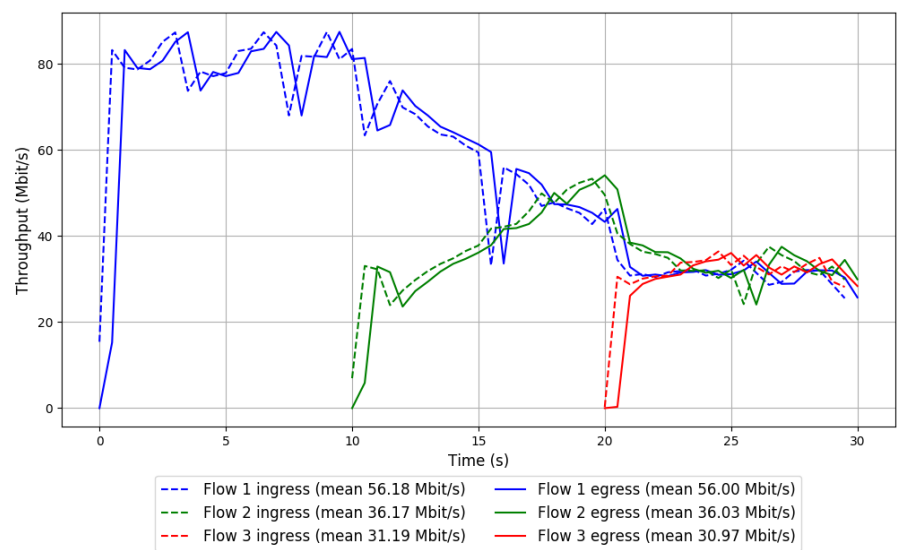


Run 2: Statistics of QUIC Cubic

Start at: 2019-07-12 04:40:25
End at: 2019-07-12 04:40:55
Local clock offset: -6.447 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-07-12 06:38:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.10 Mbit/s
95th percentile per-packet one-way delay: 30.106 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 29.785 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 29.962 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 31.601 ms
Loss rate: 0.56%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-07-12 05:07:47

End at: 2019-07-12 05:08:17

Local clock offset: -7.048 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2019-07-12 06:38:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.49 Mbit/s

95th percentile per-packet one-way delay: 29.835 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 60.75 Mbit/s

95th percentile per-packet one-way delay: 29.734 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 29.989 ms

Loss rate: 0.25%

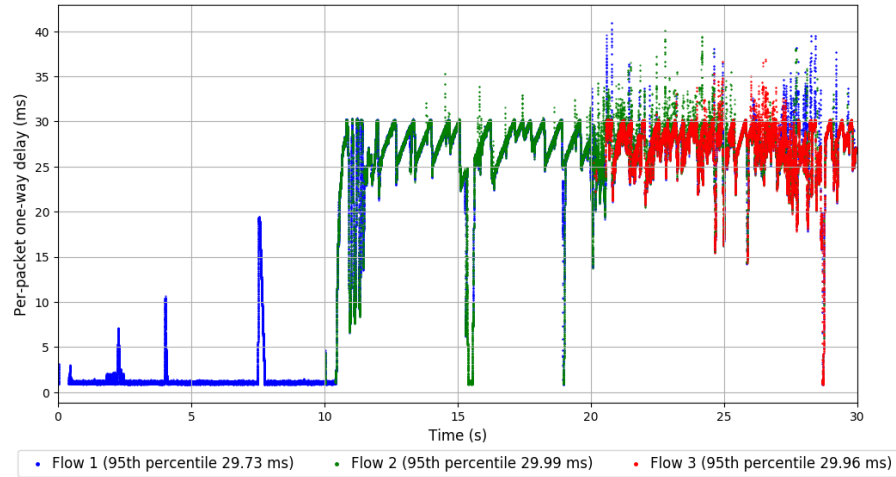
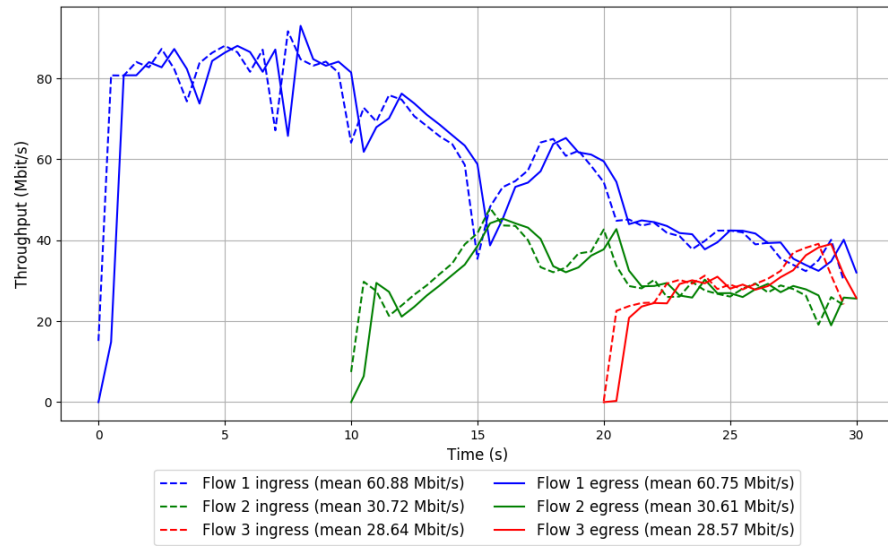
-- Flow 3:

Average throughput: 28.57 Mbit/s

95th percentile per-packet one-way delay: 29.960 ms

Loss rate: 0.24%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-07-12 05:35:03

End at: 2019-07-12 05:35:33

Local clock offset: -6.456 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2019-07-12 06:39:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.01 Mbit/s

95th percentile per-packet one-way delay: 30.972 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 56.98 Mbit/s

95th percentile per-packet one-way delay: 29.610 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 36.15 Mbit/s

95th percentile per-packet one-way delay: 31.281 ms

Loss rate: 0.17%

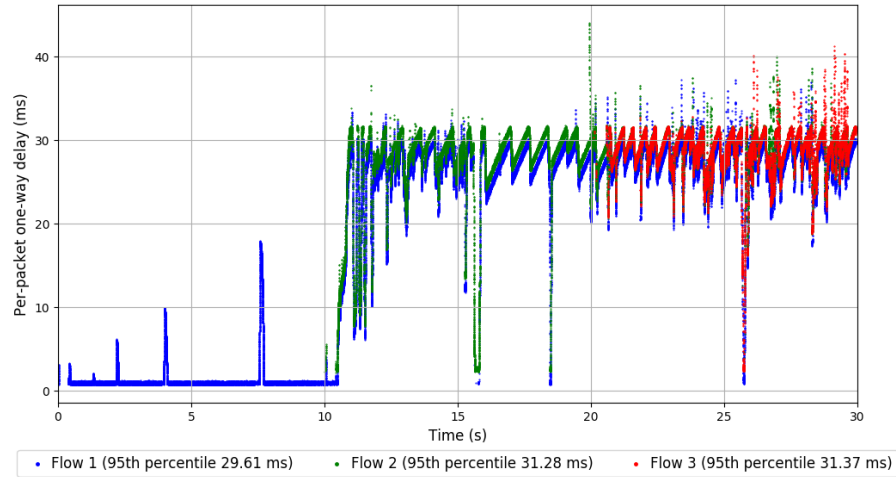
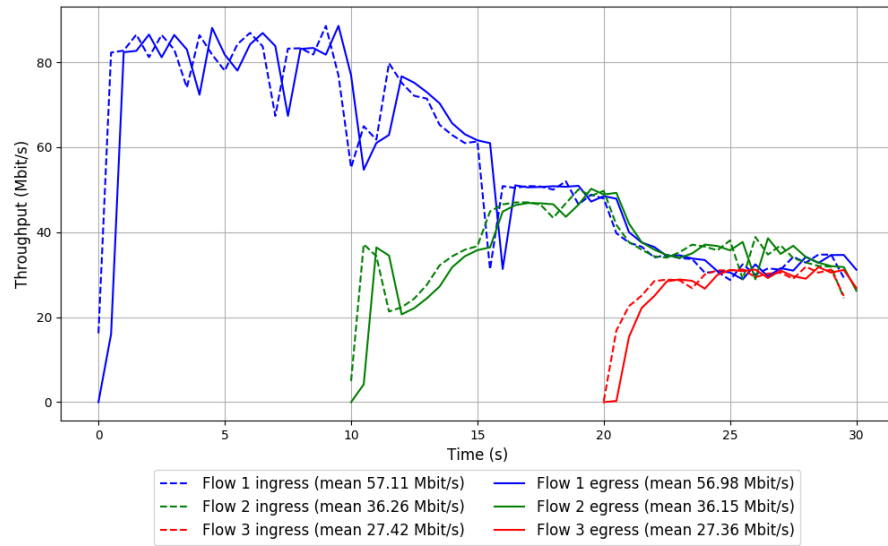
-- Flow 3:

Average throughput: 27.36 Mbit/s

95th percentile per-packet one-way delay: 31.373 ms

Loss rate: 0.20%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-07-12 06:02:22

End at: 2019-07-12 06:02:52

Local clock offset: -6.821 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2019-07-12 06:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.48 Mbit/s

95th percentile per-packet one-way delay: 30.403 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 56.79 Mbit/s

95th percentile per-packet one-way delay: 30.356 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 38.48 Mbit/s

95th percentile per-packet one-way delay: 30.427 ms

Loss rate: 0.15%

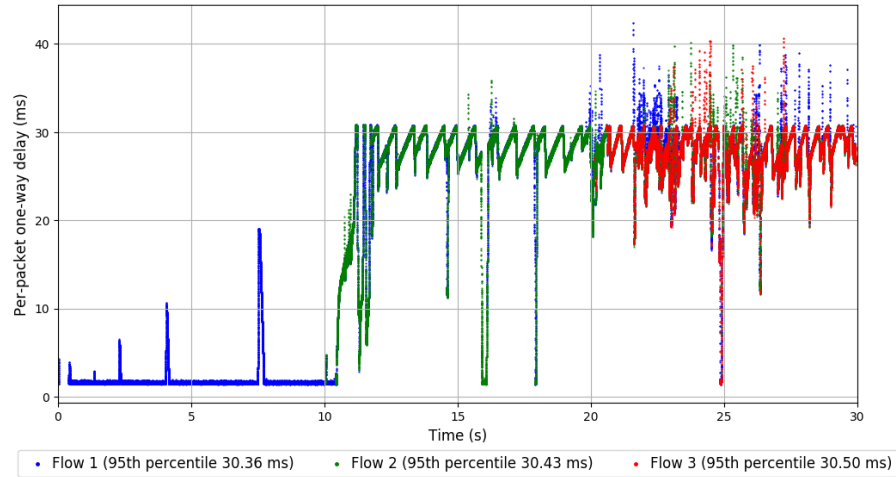
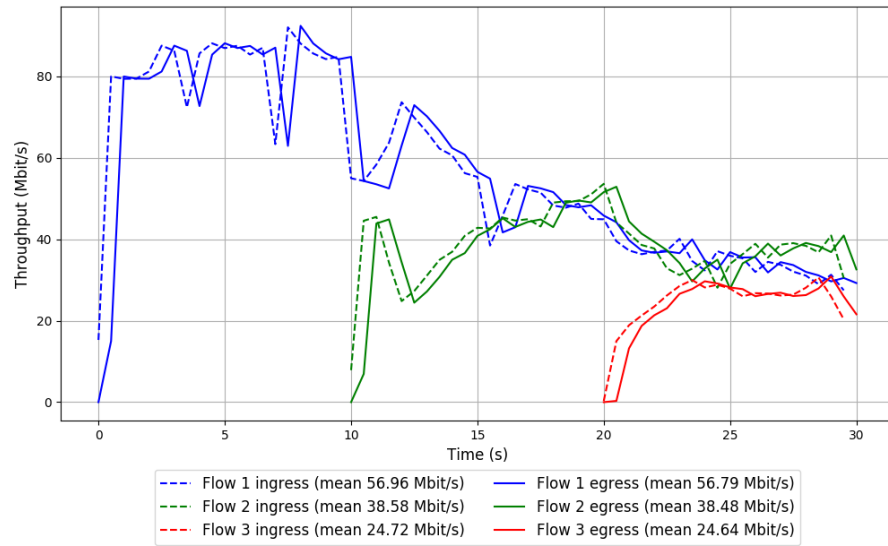
-- Flow 3:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 30.501 ms

Loss rate: 0.33%

Run 5: Report of QUIC Cubic — Data Link

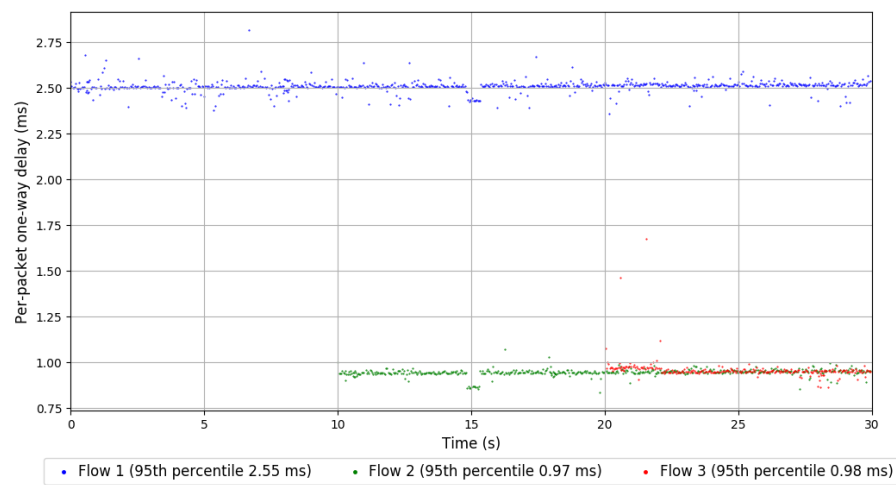
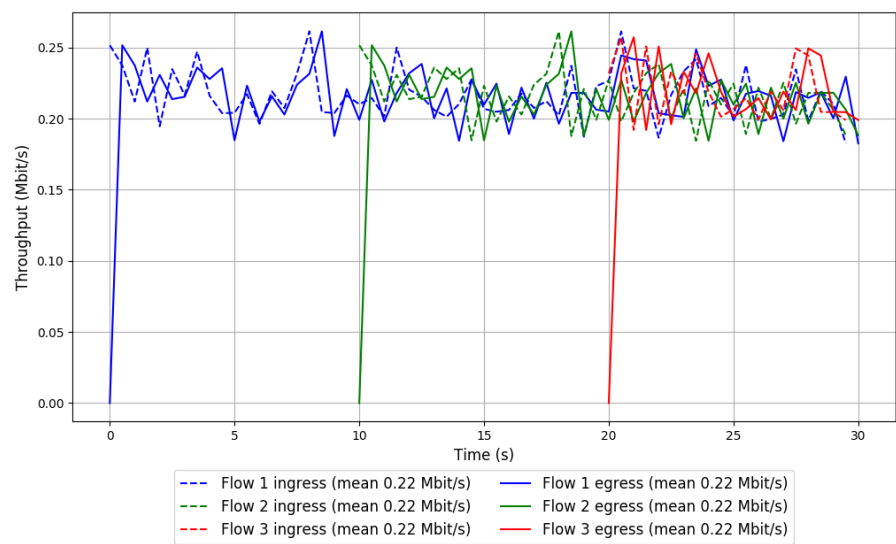


Run 1: Statistics of SReAM

Start at: 2019-07-12 04:11:59
End at: 2019-07-12 04:12:29
Local clock offset: -6.664 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2019-07-12 06:39:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.547 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.967 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.984 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

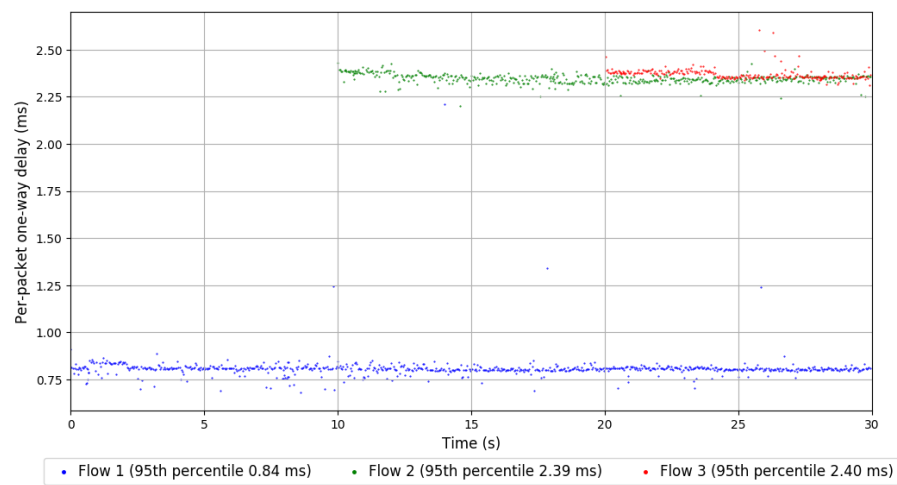
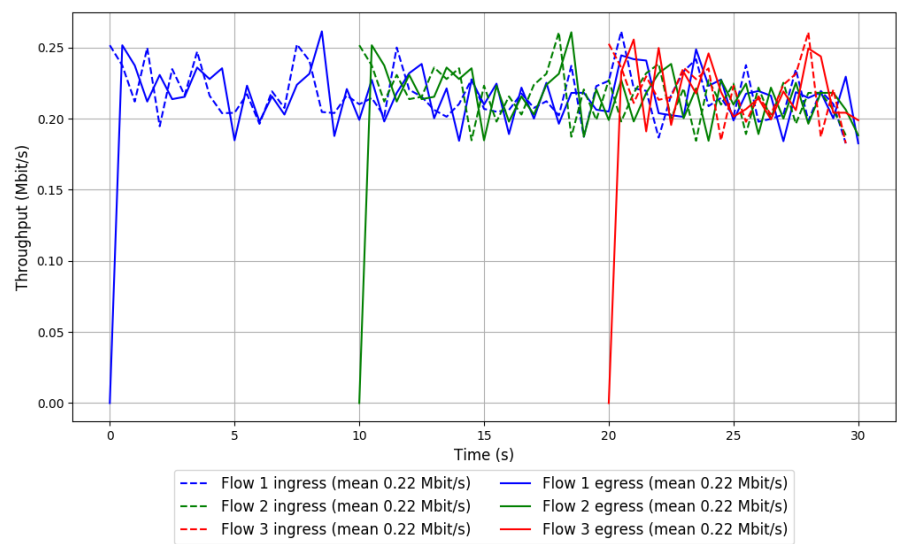


Run 2: Statistics of SReAM

Start at: 2019-07-12 04:39:20
End at: 2019-07-12 04:39:50
Local clock offset: -6.243 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2019-07-12 06:39:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.386 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.405 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

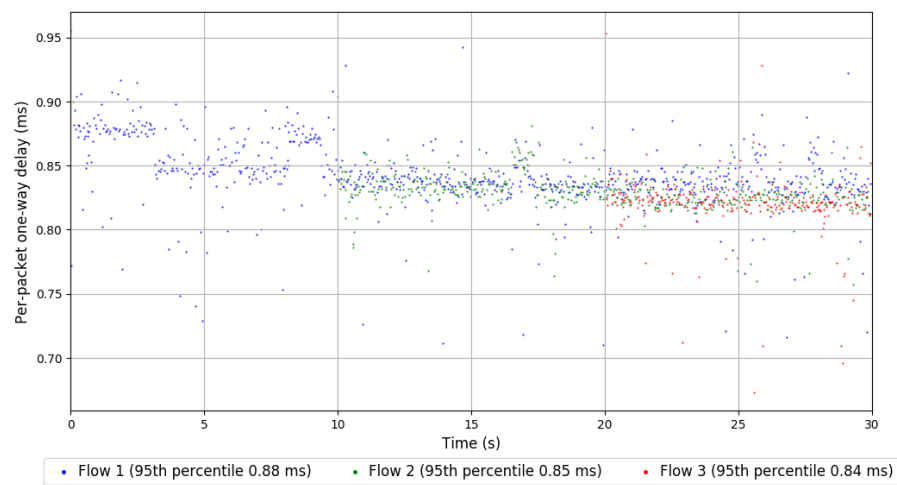
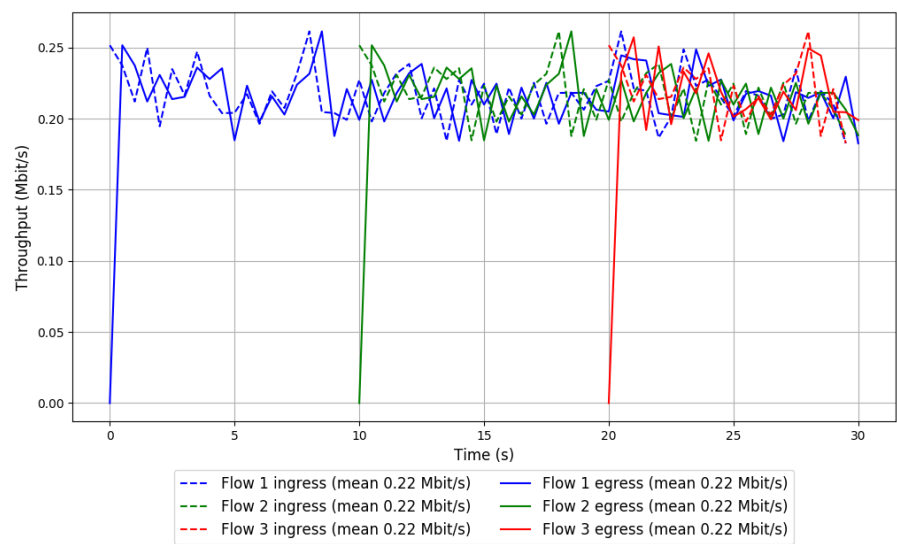


Run 3: Statistics of SReAM

Start at: 2019-07-12 05:06:41
End at: 2019-07-12 05:07:11
Local clock offset: -6.787 ms
Remote clock offset: 0.131 ms

Below is generated by plot.py at 2019-07-12 06:39:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 0.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.882 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.855 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.840 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2019-07-12 05:33:58

End at: 2019-07-12 05:34:28

Local clock offset: -7.37 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2019-07-12 06:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 3.238 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.248 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.677 ms

Loss rate: 0.00%

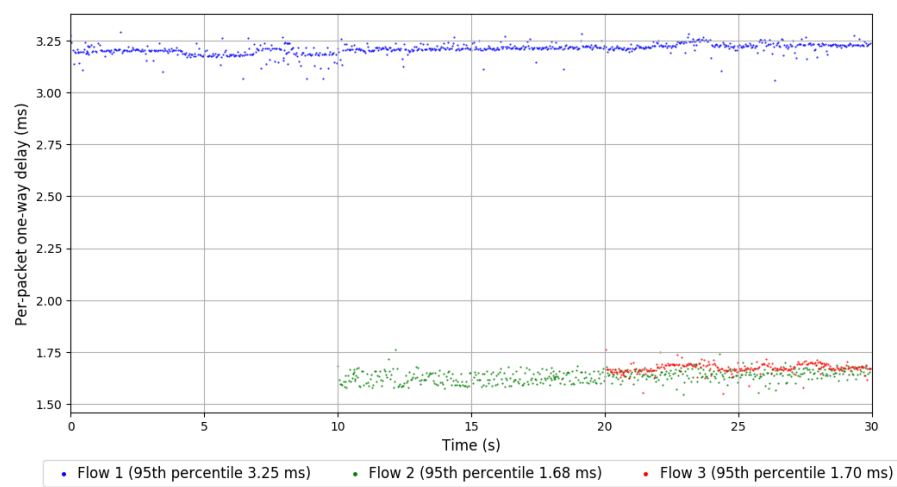
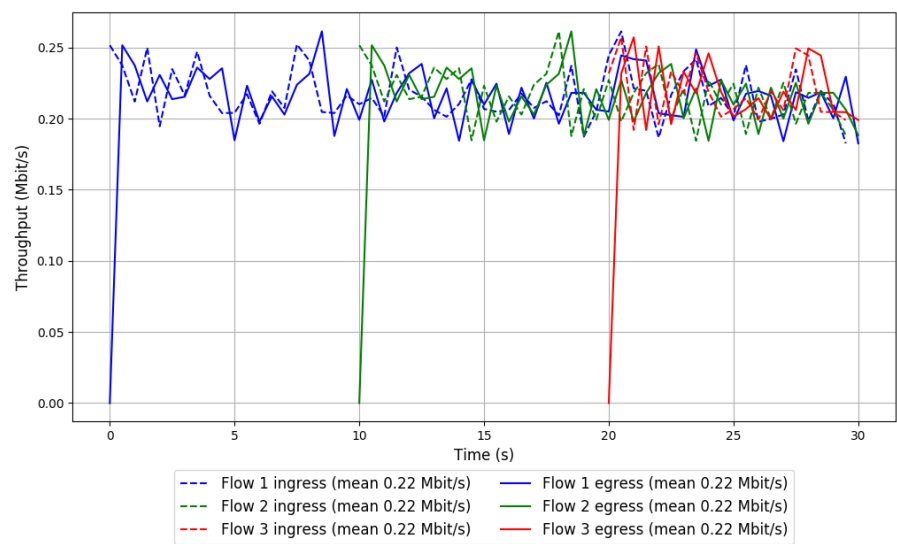
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-07-12 06:01:16

End at: 2019-07-12 06:01:47

Local clock offset: -6.699 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2019-07-12 06:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 3.149 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.634 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.633 ms

Loss rate: 0.00%

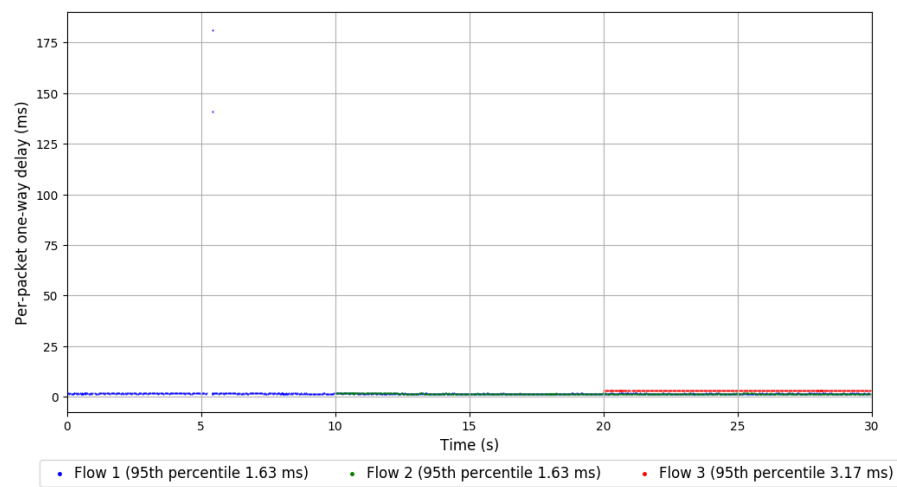
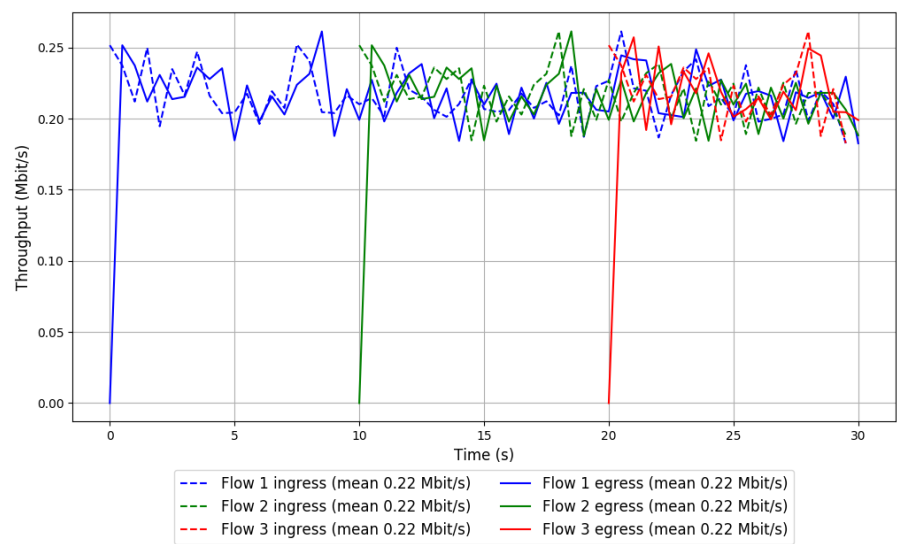
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

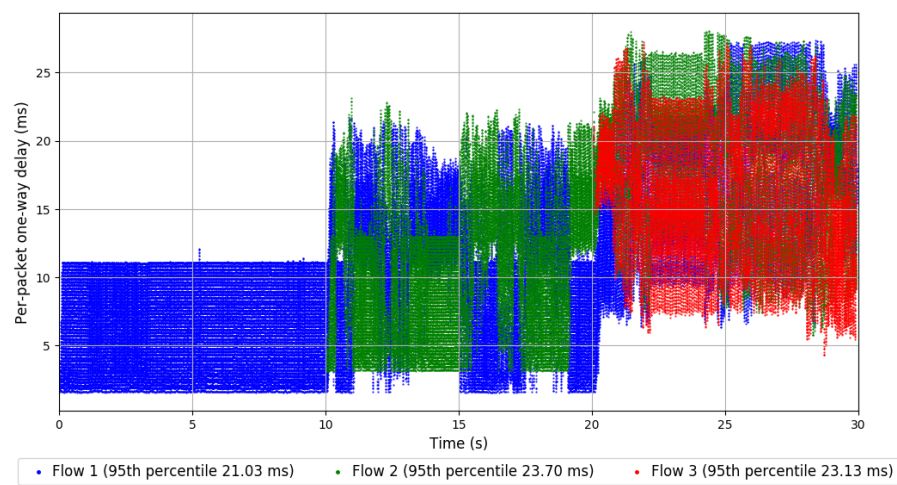
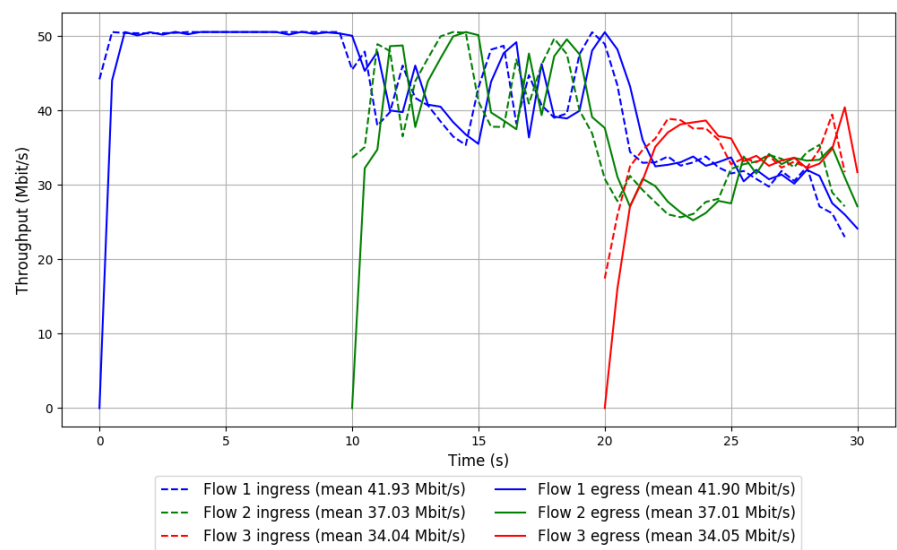


Run 1: Statistics of Sprout

Start at: 2019-07-12 04:24:32
End at: 2019-07-12 04:25:02
Local clock offset: -7.325 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-07-12 06:39:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.76 Mbit/s
95th percentile per-packet one-way delay: 22.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.90 Mbit/s
95th percentile per-packet one-way delay: 21.032 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.01 Mbit/s
95th percentile per-packet one-way delay: 23.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 23.134 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-07-12 04:51:54

End at: 2019-07-12 04:52:24

Local clock offset: -6.5 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2019-07-12 06:39:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 22.601 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.63 Mbit/s

95th percentile per-packet one-way delay: 20.871 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.97 Mbit/s

95th percentile per-packet one-way delay: 22.160 ms

Loss rate: 0.00%

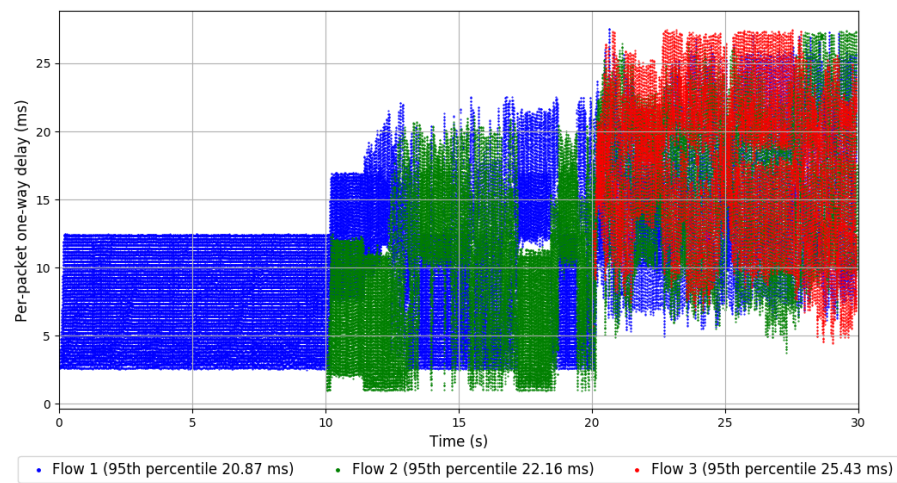
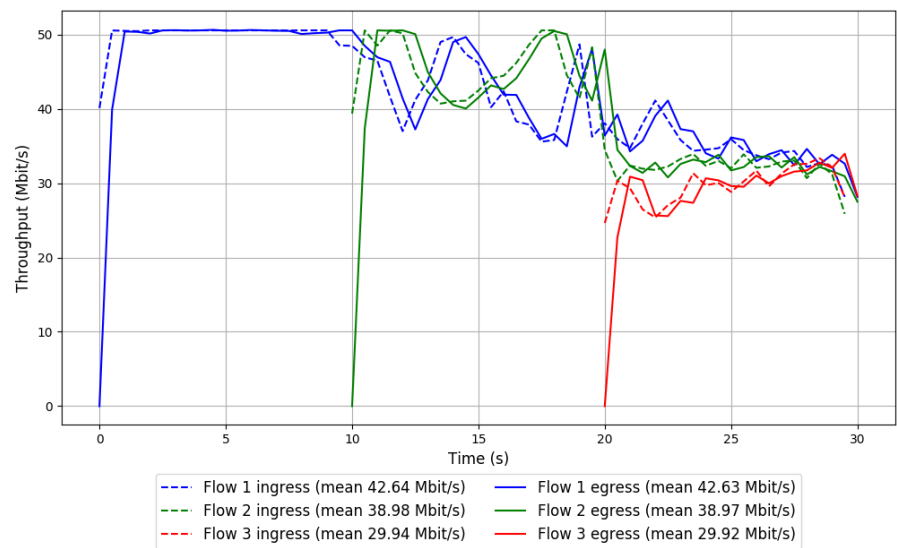
-- Flow 3:

Average throughput: 29.92 Mbit/s

95th percentile per-packet one-way delay: 25.431 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

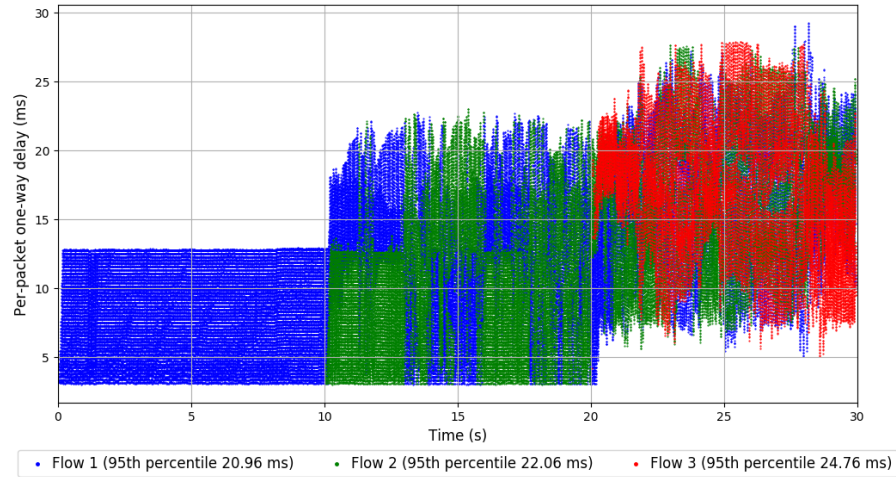
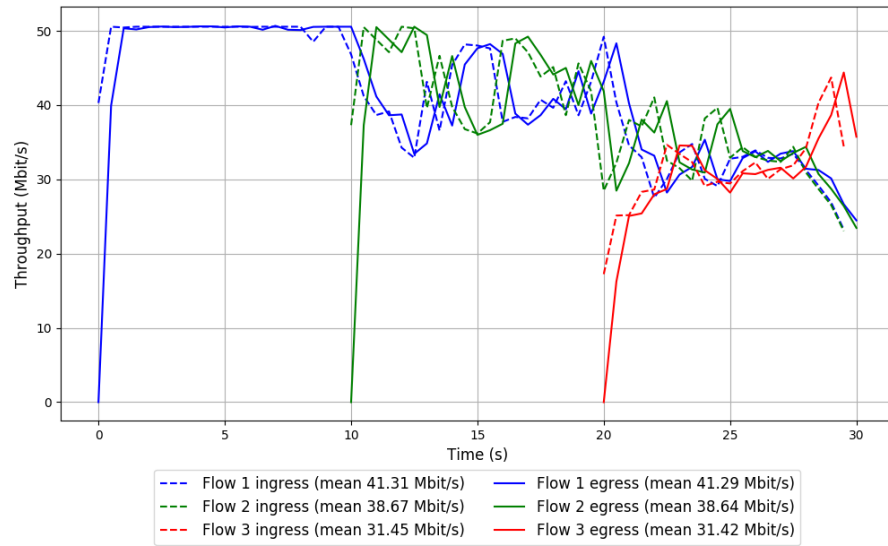


Run 3: Statistics of Sprout

Start at: 2019-07-12 05:19:15
End at: 2019-07-12 05:19:45
Local clock offset: -7.906 ms
Remote clock offset: 0.27 ms

```
# Below is generated by plot.py at 2019-07-12 06:39:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 22.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 20.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 22.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 24.758 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

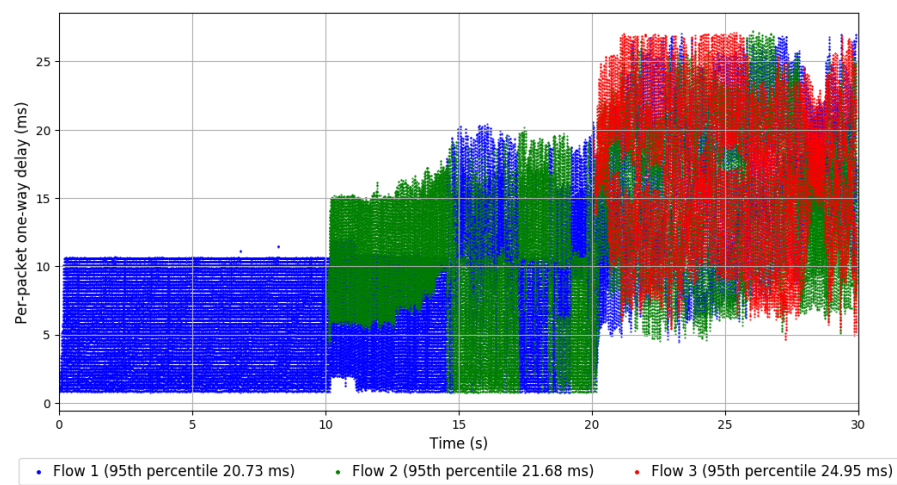
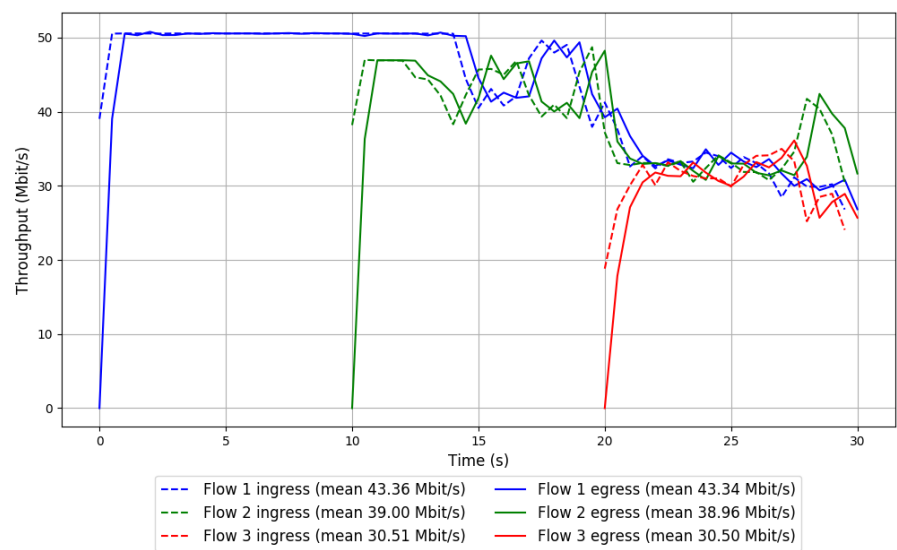


Run 4: Statistics of Sprout

Start at: 2019-07-12 05:46:31
End at: 2019-07-12 05:47:01
Local clock offset: -5.836 ms
Remote clock offset: 0.427 ms

Below is generated by plot.py at 2019-07-12 06:39:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 22.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.34 Mbit/s
95th percentile per-packet one-way delay: 20.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.96 Mbit/s
95th percentile per-packet one-way delay: 21.682 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.50 Mbit/s
95th percentile per-packet one-way delay: 24.947 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-07-12 06:13:49

End at: 2019-07-12 06:14:19

Local clock offset: -7.532 ms

Remote clock offset: 0.412 ms

Below is generated by plot.py at 2019-07-12 06:39:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 22.551 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.64 Mbit/s

95th percentile per-packet one-way delay: 21.683 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.07 Mbit/s

95th percentile per-packet one-way delay: 21.377 ms

Loss rate: 0.00%

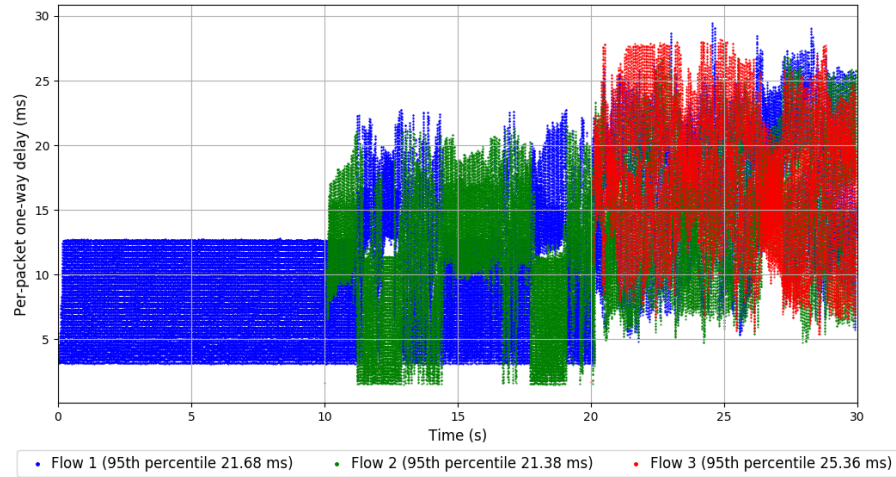
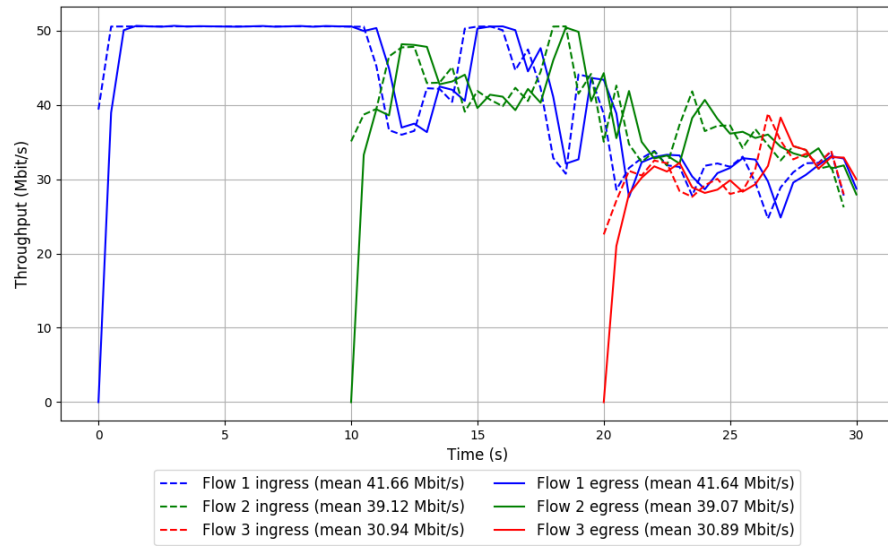
-- Flow 3:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 25.357 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

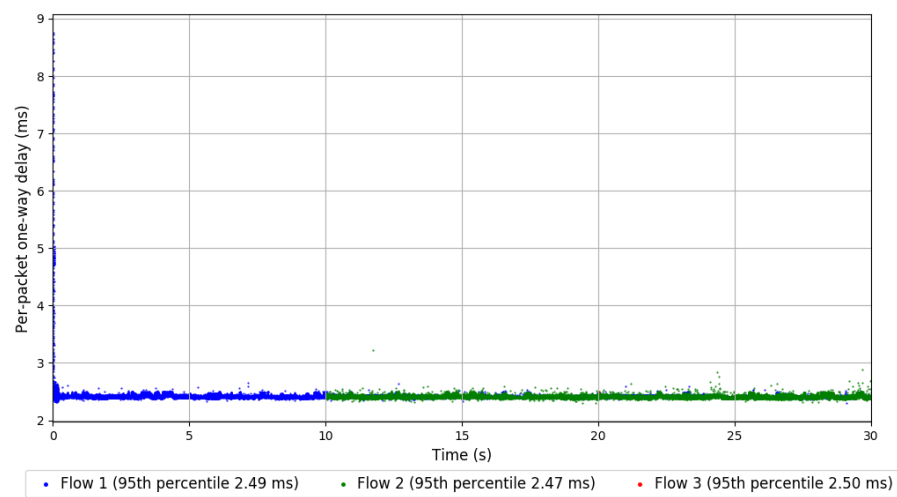
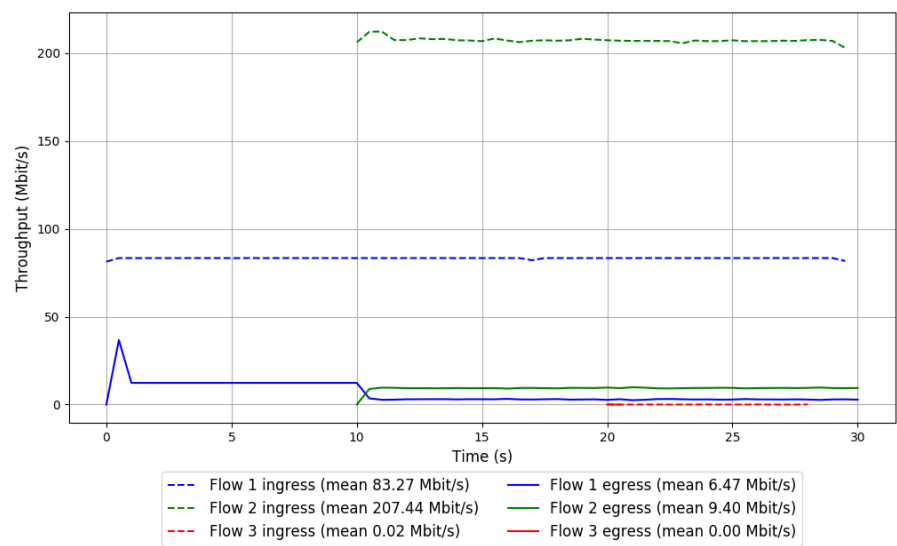


Run 1: Statistics of TaoVA-100x

Start at: 2019-07-12 04:26:48
End at: 2019-07-12 04:27:18
Local clock offset: -6.637 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2019-07-12 06:39:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.480 ms
Loss rate: 94.25%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 2.490 ms
Loss rate: 92.23%
-- Flow 2:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 95.47%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 2.495 ms
Loss rate: 99.16%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-07-12 04:54:10

End at: 2019-07-12 04:54:40

Local clock offset: -6.344 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2019-07-12 06:39:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.430 ms

Loss rate: 84.40%

-- Flow 1:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 2.408 ms

Loss rate: 83.88%

-- Flow 2:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 2.573 ms

Loss rate: 85.31%

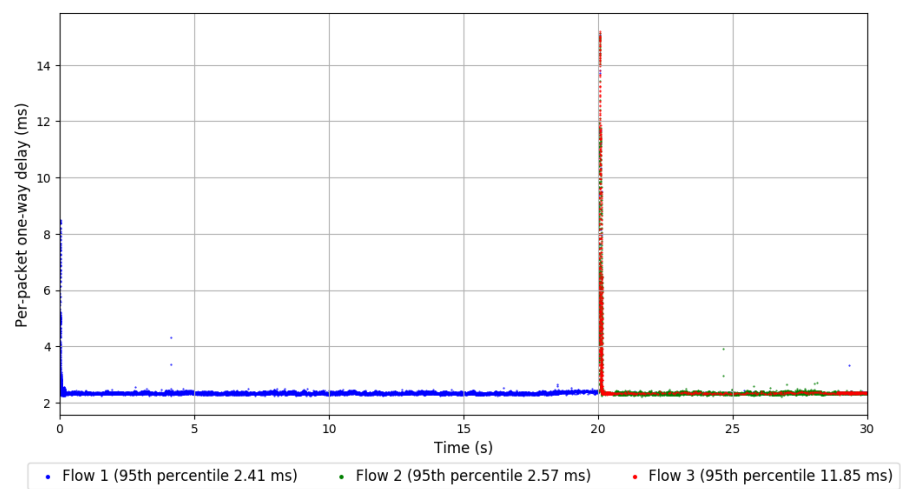
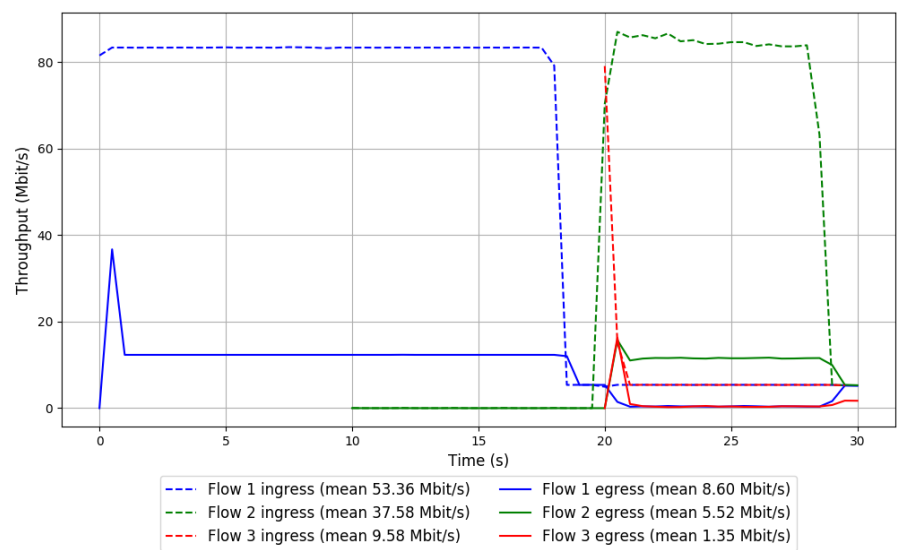
-- Flow 3:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 11.848 ms

Loss rate: 85.89%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-07-12 05:21:31

End at: 2019-07-12 05:22:01

Local clock offset: -8.025 ms

Remote clock offset: 0.303 ms

Below is generated by plot.py at 2019-07-12 06:39:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 3.295 ms

Loss rate: 86.73%

-- Flow 1:

Average throughput: 9.13 Mbit/s

95th percentile per-packet one-way delay: 3.274 ms

Loss rate: 84.20%

-- Flow 2:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 10.103 ms

Loss rate: 92.04%

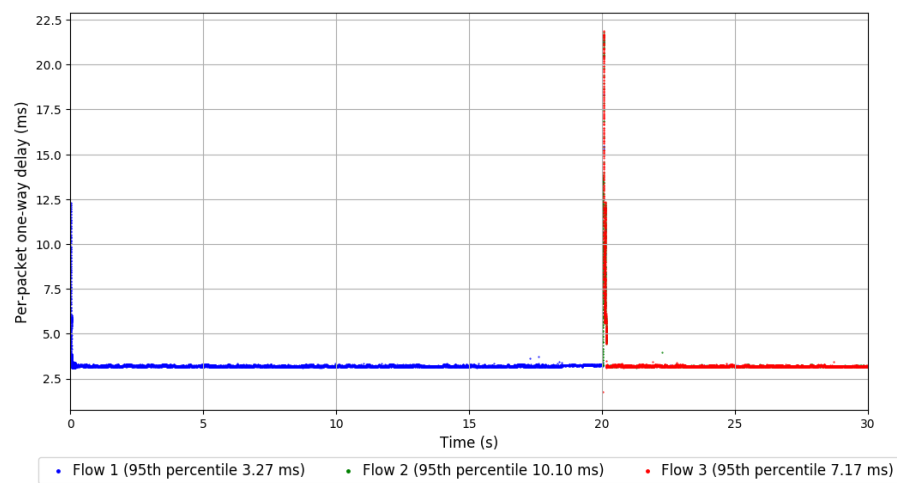
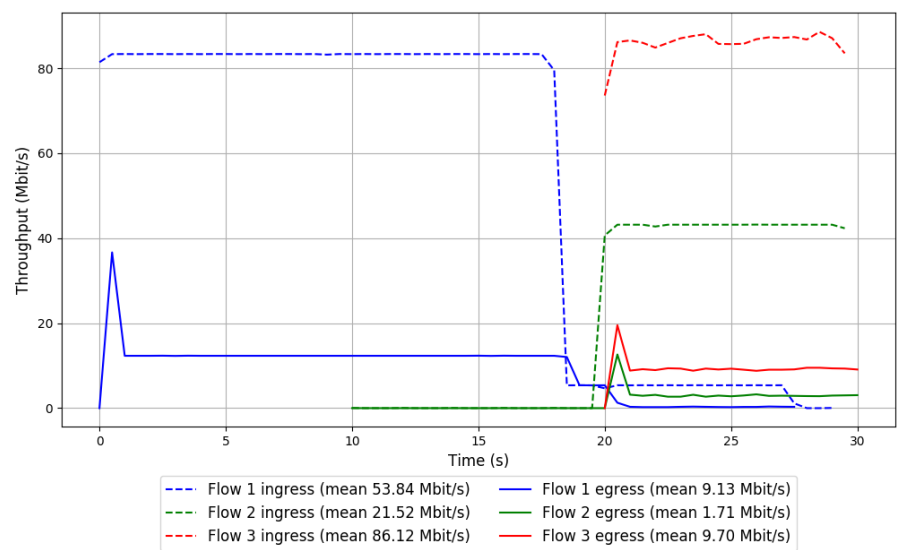
-- Flow 3:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 7.174 ms

Loss rate: 88.73%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-07-12 05:48:46

End at: 2019-07-12 05:49:16

Local clock offset: -6.618 ms

Remote clock offset: 0.398 ms

Below is generated by plot.py at 2019-07-12 06:39:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 3.286 ms

Loss rate: 88.69%

-- Flow 1:

Average throughput: 5.21 Mbit/s

95th percentile per-packet one-way delay: 3.305 ms

Loss rate: 84.06%

-- Flow 2:

Average throughput: 10.32 Mbit/s

95th percentile per-packet one-way delay: 3.286 ms

Loss rate: 87.66%

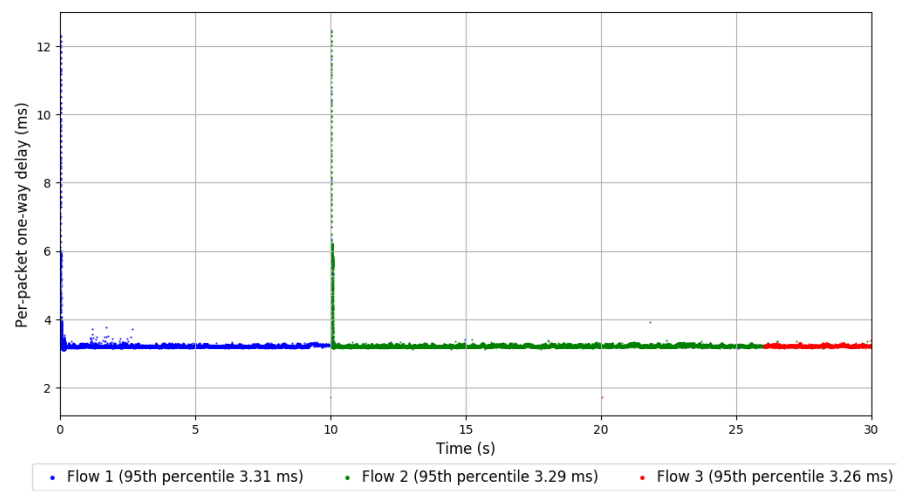
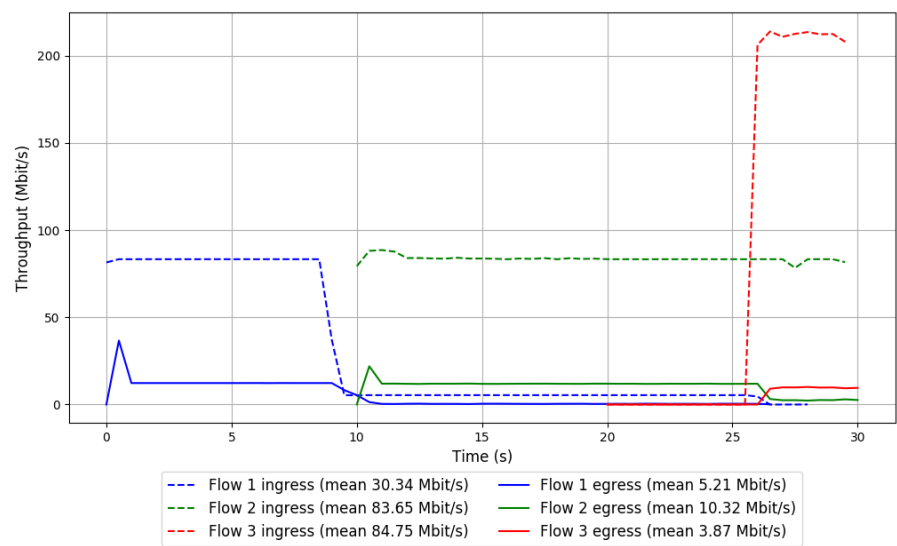
-- Flow 3:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 3.261 ms

Loss rate: 95.43%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-07-12 06:16:05

End at: 2019-07-12 06:16:35

Local clock offset: -6.815 ms

Remote clock offset: 0.488 ms

Below is generated by plot.py at 2019-07-12 06:39:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.477 ms

Loss rate: 78.09%

-- Flow 1:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 2.493 ms

Loss rate: 83.41%

-- Flow 2:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 2.467 ms

Loss rate: 72.69%

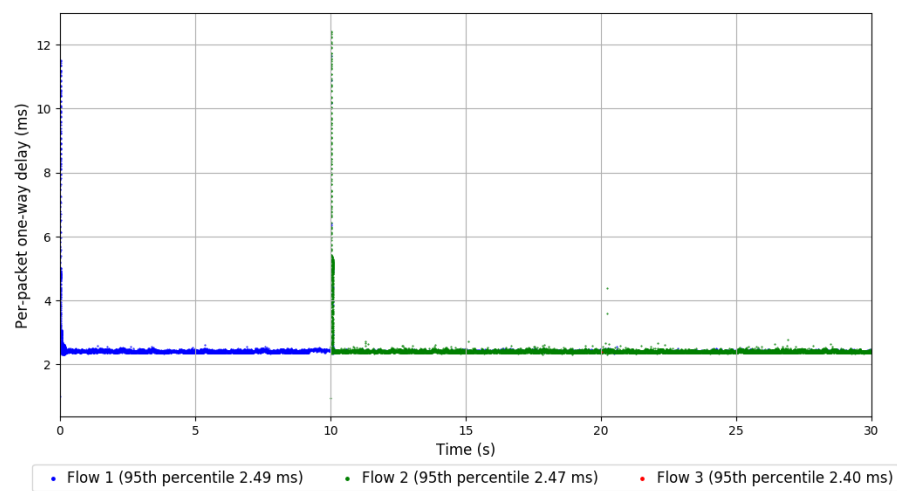
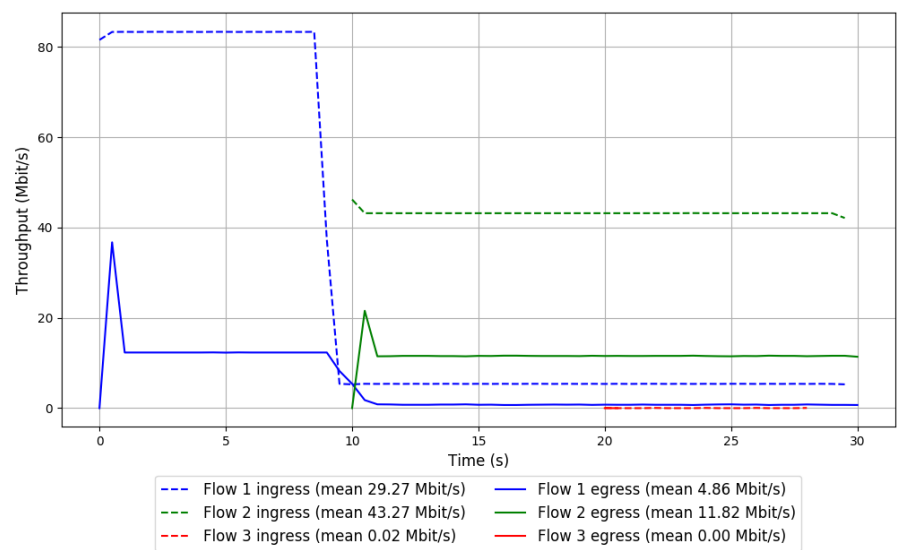
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.398 ms

Loss rate: 99.16%

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

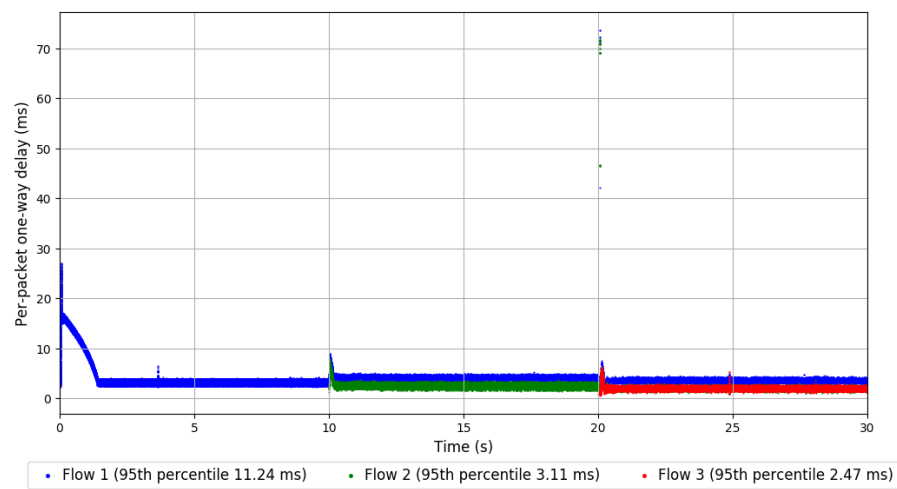
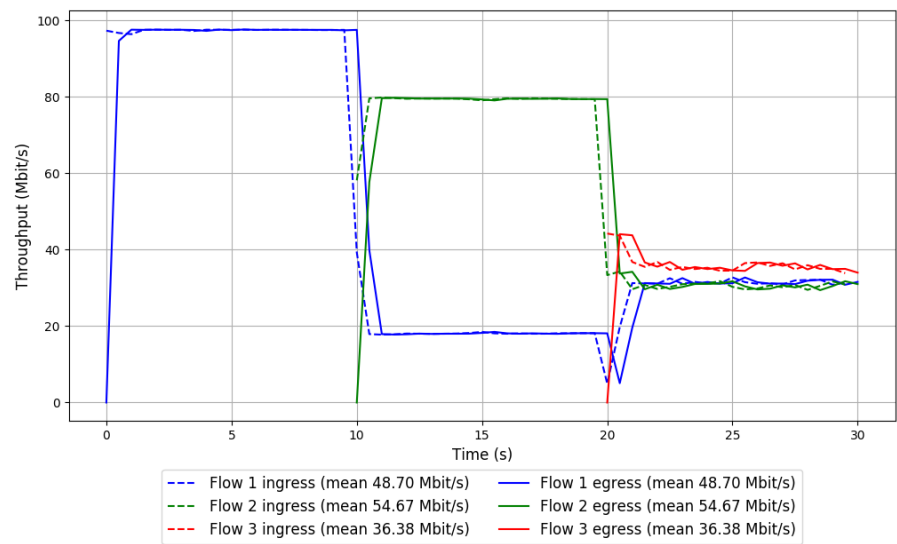


Run 1: Statistics of TCP Vegas

Start at: 2019-07-12 04:22:14
End at: 2019-07-12 04:22:44
Local clock offset: -6.52 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2019-07-12 06:40:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 4.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.70 Mbit/s
95th percentile per-packet one-way delay: 11.240 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 3.113 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-07-12 04:49:35

End at: 2019-07-12 04:50:05

Local clock offset: -6.258 ms

Remote clock offset: 0.108 ms

Below is generated by plot.py at 2019-07-12 06:40:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.43 Mbit/s

95th percentile per-packet one-way delay: 4.273 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.53 Mbit/s

95th percentile per-packet one-way delay: 2.697 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.05 Mbit/s

95th percentile per-packet one-way delay: 3.136 ms

Loss rate: 0.00%

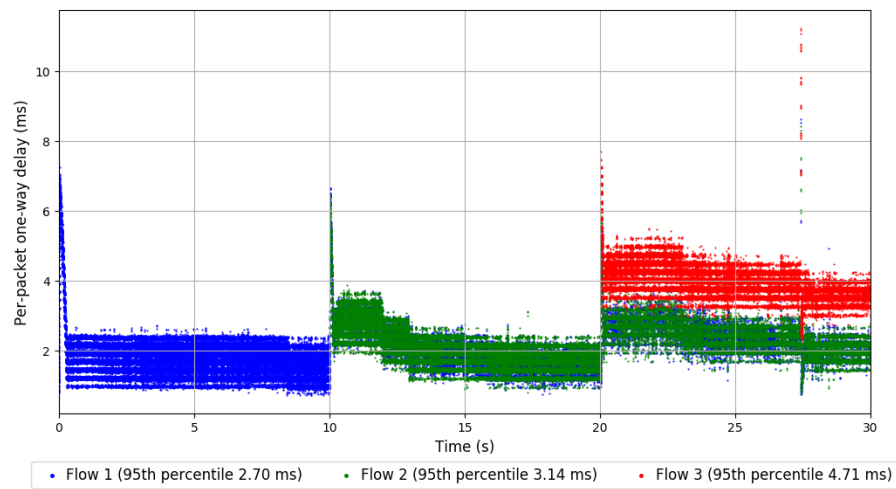
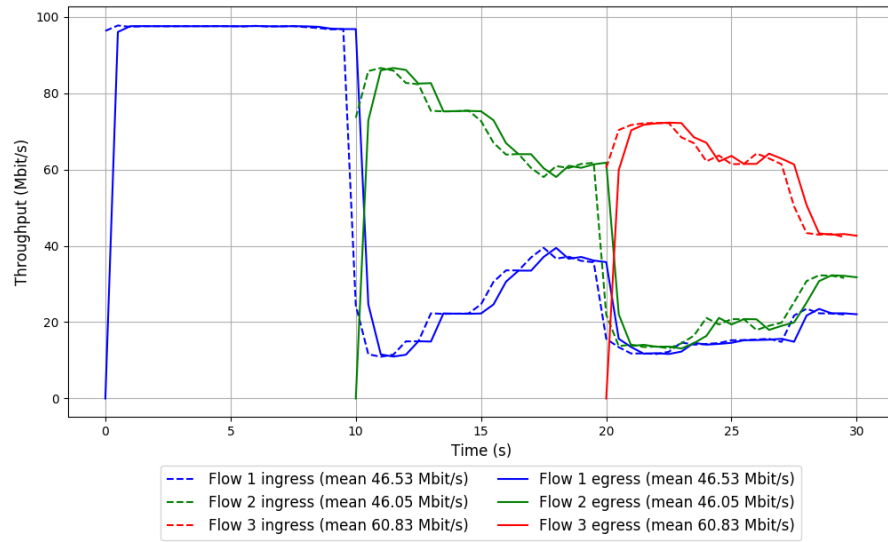
-- Flow 3:

Average throughput: 60.83 Mbit/s

95th percentile per-packet one-way delay: 4.712 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-07-12 05:16:56

End at: 2019-07-12 05:17:26

Local clock offset: -7.269 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2019-07-12 06:40:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 3.095 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.22 Mbit/s

95th percentile per-packet one-way delay: 2.654 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.20 Mbit/s

95th percentile per-packet one-way delay: 2.668 ms

Loss rate: 0.00%

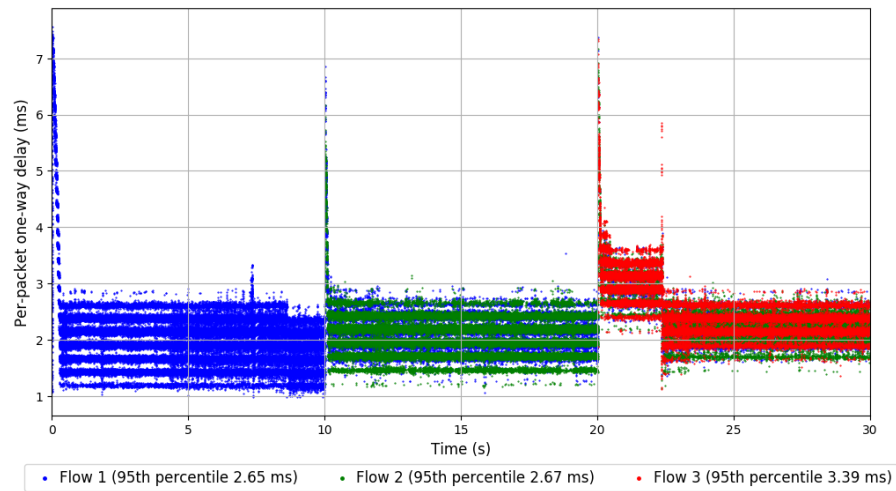
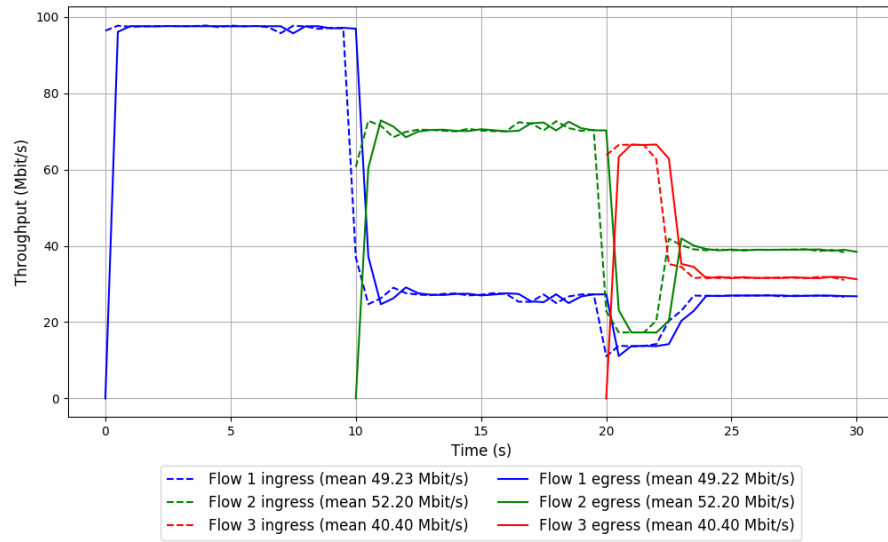
-- Flow 3:

Average throughput: 40.40 Mbit/s

95th percentile per-packet one-way delay: 3.386 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

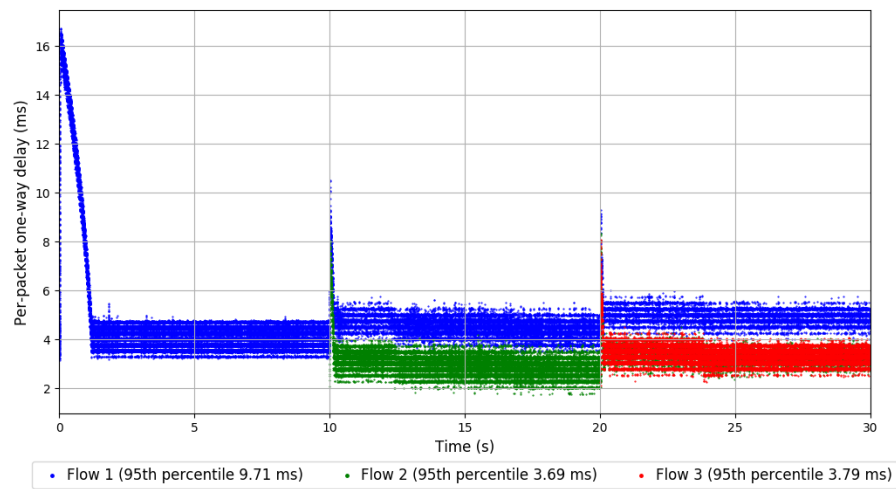
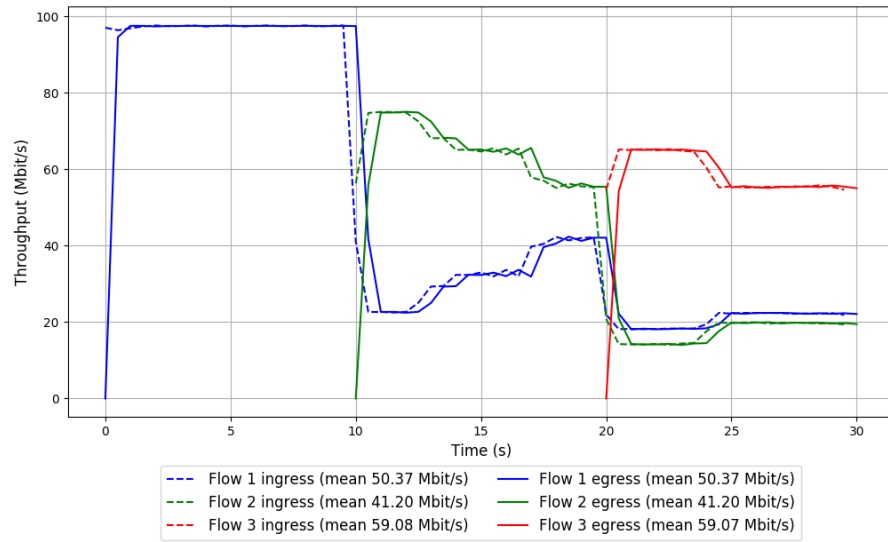


Run 4: Statistics of TCP Vegas

Start at: 2019-07-12 05:44:12
End at: 2019-07-12 05:44:42
Local clock offset: -6.759 ms
Remote clock offset: 0.382 ms

```
# Below is generated by plot.py at 2019-07-12 06:40:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 5.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 9.713 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.20 Mbit/s
95th percentile per-packet one-way delay: 3.686 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 3.785 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-07-12 06:11:31

End at: 2019-07-12 06:12:01

Local clock offset: -7.669 ms

Remote clock offset: 0.481 ms

Below is generated by plot.py at 2019-07-12 06:40:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.50 Mbit/s

95th percentile per-packet one-way delay: 4.415 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.76 Mbit/s

95th percentile per-packet one-way delay: 6.284 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 4.203 ms

Loss rate: 0.00%

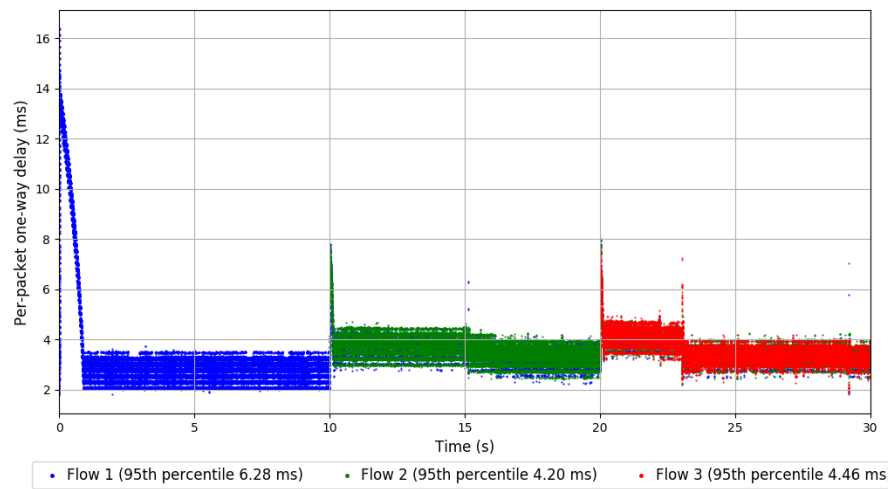
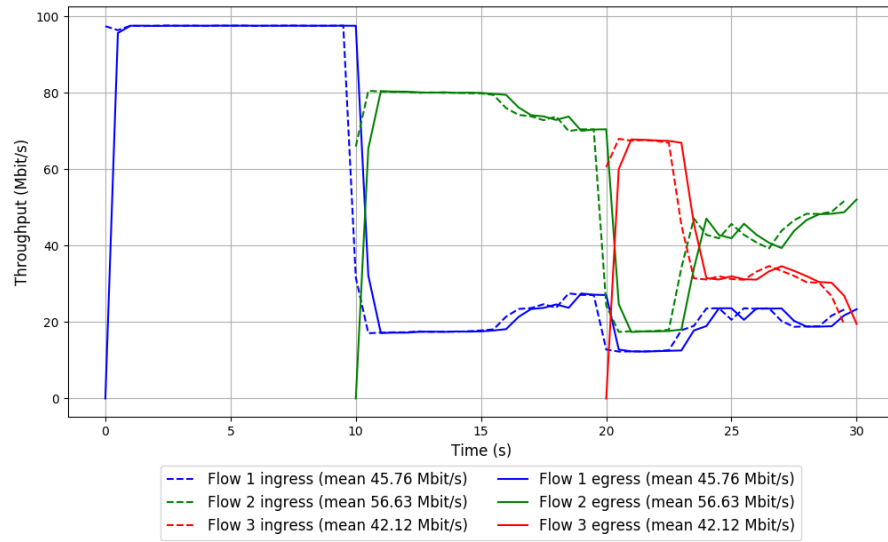
-- Flow 3:

Average throughput: 42.12 Mbit/s

95th percentile per-packet one-way delay: 4.455 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

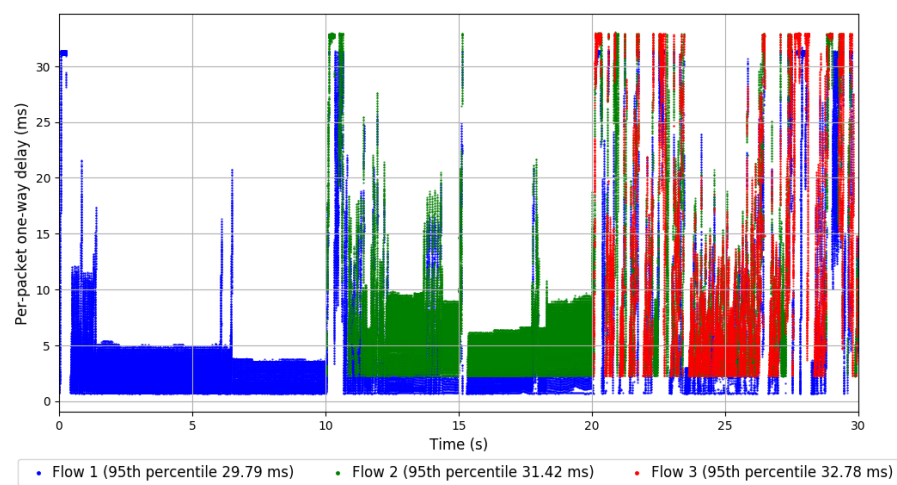
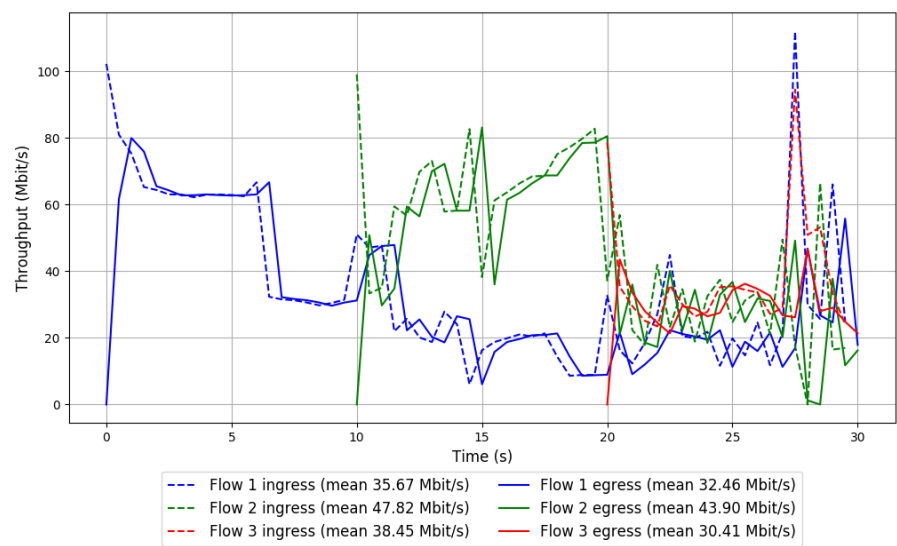


Run 1: Statistics of Verus

Start at: 2019-07-12 04:27:57
End at: 2019-07-12 04:28:27
Local clock offset: -6.58 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2019-07-12 06:40:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 31.267 ms
Loss rate: 10.53%
-- Flow 1:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 29.792 ms
Loss rate: 8.95%
-- Flow 2:
Average throughput: 43.90 Mbit/s
95th percentile per-packet one-way delay: 31.424 ms
Loss rate: 8.18%
-- Flow 3:
Average throughput: 30.41 Mbit/s
95th percentile per-packet one-way delay: 32.785 ms
Loss rate: 20.84%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-07-12 04:55:17

End at: 2019-07-12 04:55:47

Local clock offset: -7.145 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2019-07-12 06:40:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.46 Mbit/s

95th percentile per-packet one-way delay: 32.292 ms

Loss rate: 24.17%

-- Flow 1:

Average throughput: 35.93 Mbit/s

95th percentile per-packet one-way delay: 31.735 ms

Loss rate: 15.31%

-- Flow 2:

Average throughput: 42.03 Mbit/s

95th percentile per-packet one-way delay: 33.582 ms

Loss rate: 35.76%

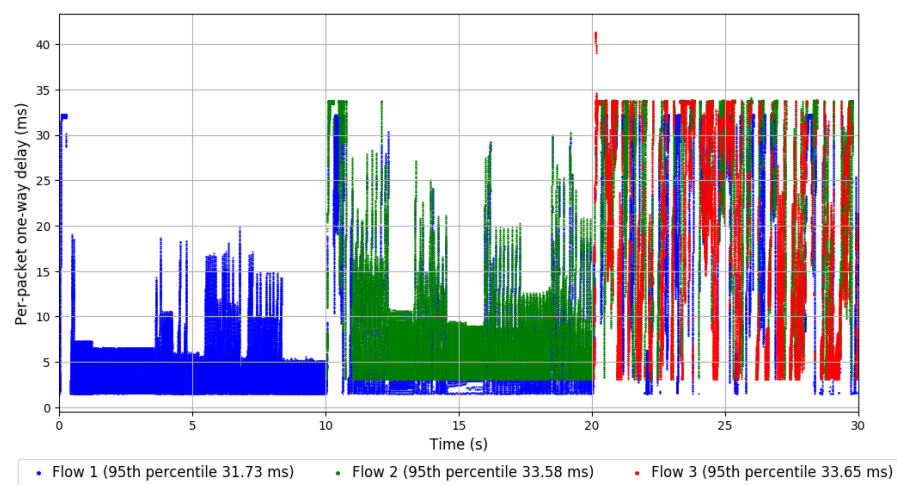
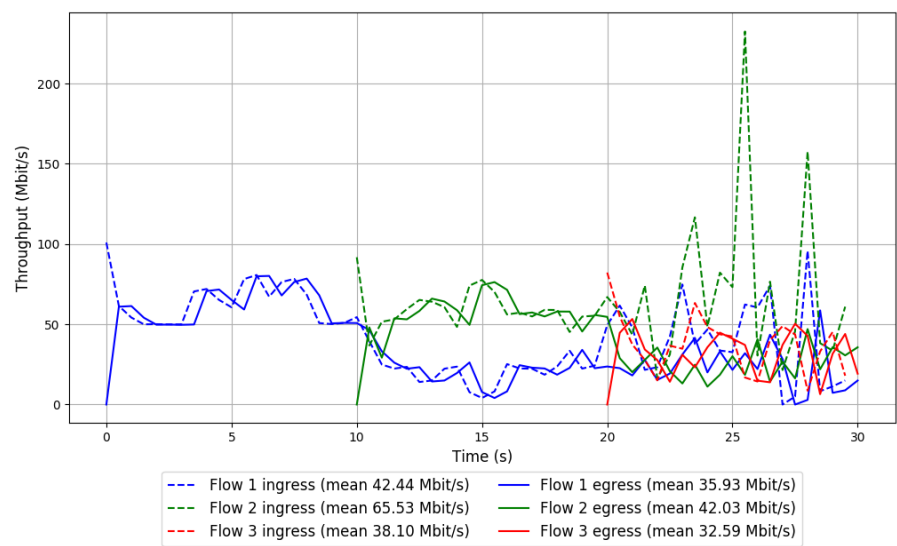
-- Flow 3:

Average throughput: 32.59 Mbit/s

95th percentile per-packet one-way delay: 33.645 ms

Loss rate: 14.30%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-07-12 05:22:38

End at: 2019-07-12 05:23:08

Local clock offset: -7.19 ms

Remote clock offset: 0.306 ms

Below is generated by plot.py at 2019-07-12 06:40:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.24 Mbit/s

95th percentile per-packet one-way delay: 32.531 ms

Loss rate: 17.06%

-- Flow 1:

Average throughput: 40.57 Mbit/s

95th percentile per-packet one-way delay: 32.194 ms

Loss rate: 16.25%

-- Flow 2:

Average throughput: 34.48 Mbit/s

95th percentile per-packet one-way delay: 32.017 ms

Loss rate: 10.19%

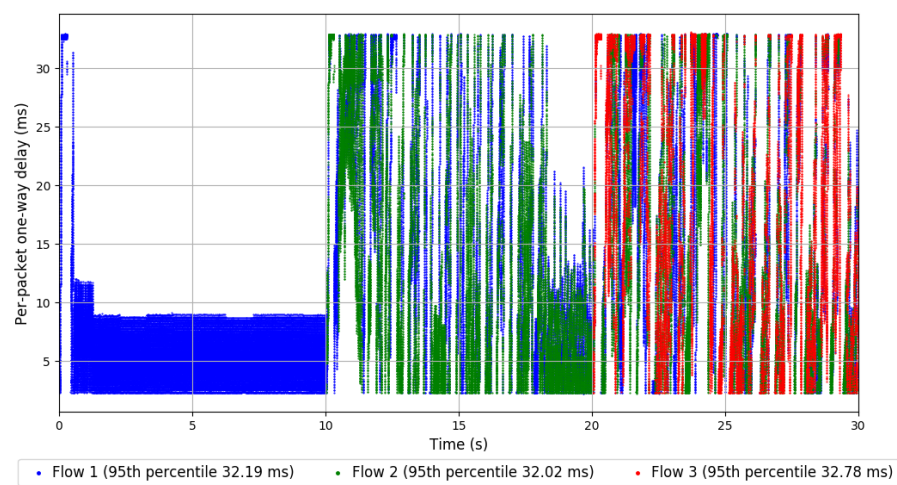
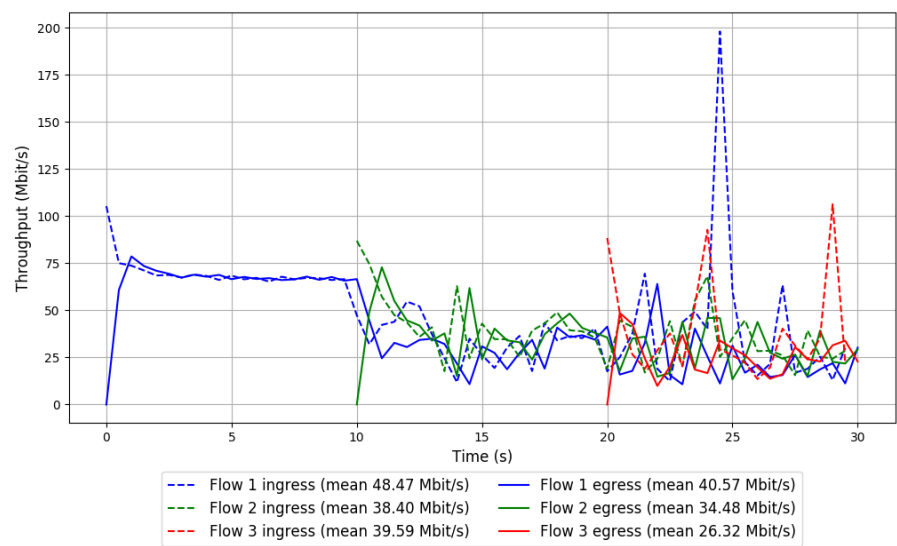
-- Flow 3:

Average throughput: 26.32 Mbit/s

95th percentile per-packet one-way delay: 32.777 ms

Loss rate: 33.41%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-07-12 05:49:54

End at: 2019-07-12 05:50:24

Local clock offset: -6.76 ms

Remote clock offset: 0.468 ms

Below is generated by plot.py at 2019-07-12 06:41:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.61 Mbit/s

95th percentile per-packet one-way delay: 30.555 ms

Loss rate: 5.08%

-- Flow 1:

Average throughput: 46.88 Mbit/s

95th percentile per-packet one-way delay: 26.844 ms

Loss rate: 4.28%

-- Flow 2:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 30.535 ms

Loss rate: 3.42%

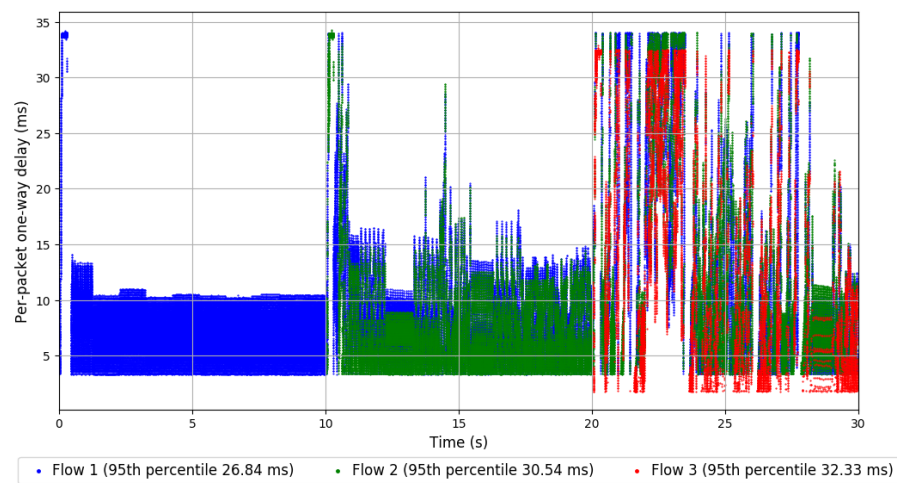
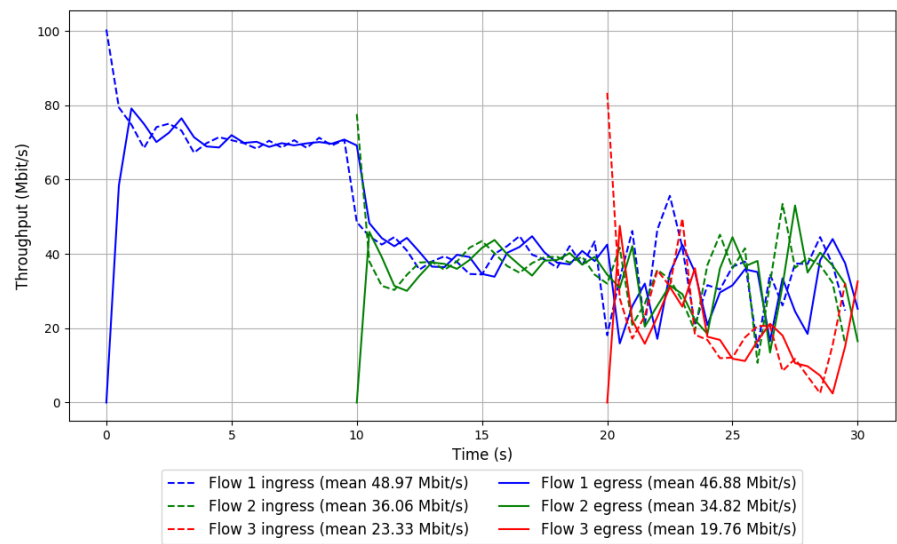
-- Flow 3:

Average throughput: 19.76 Mbit/s

95th percentile per-packet one-way delay: 32.330 ms

Loss rate: 15.30%

Run 4: Report of Verus — Data Link

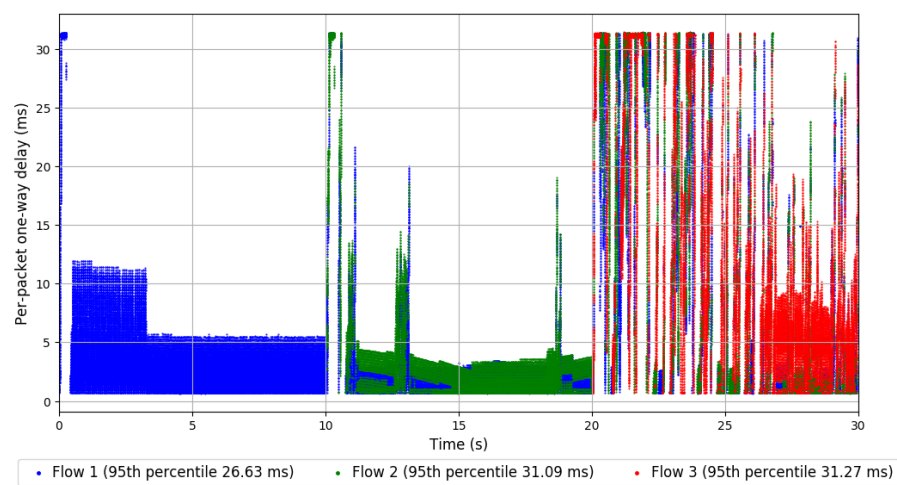
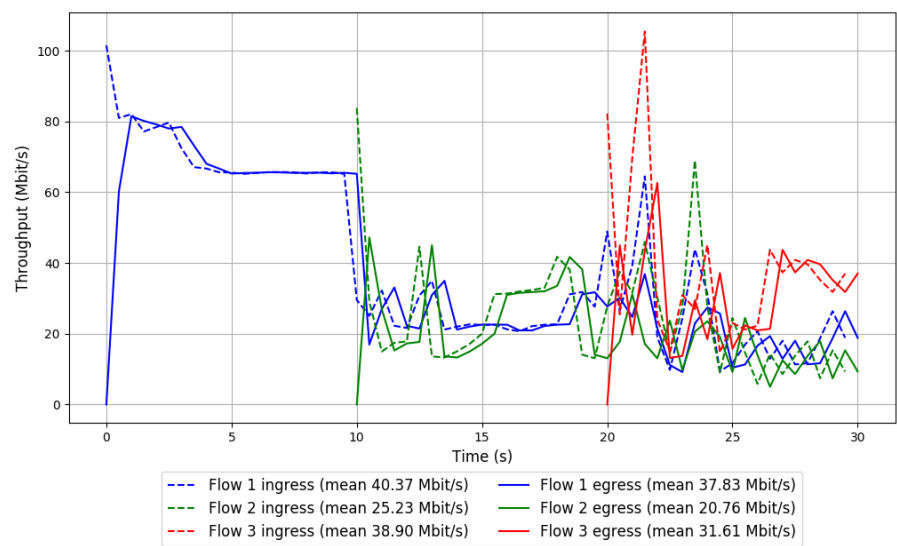


Run 5: Statistics of Verus

Start at: 2019-07-12 06:17:12
End at: 2019-07-12 06:17:42
Local clock offset: -6.841 ms
Remote clock offset: 0.43 ms

Below is generated by plot.py at 2019-07-12 06:41:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 31.042 ms
Loss rate: 11.21%
-- Flow 1:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 26.633 ms
Loss rate: 6.20%
-- Flow 2:
Average throughput: 20.76 Mbit/s
95th percentile per-packet one-way delay: 31.093 ms
Loss rate: 17.64%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 31.267 ms
Loss rate: 18.52%

Run 5: Report of Verus — Data Link

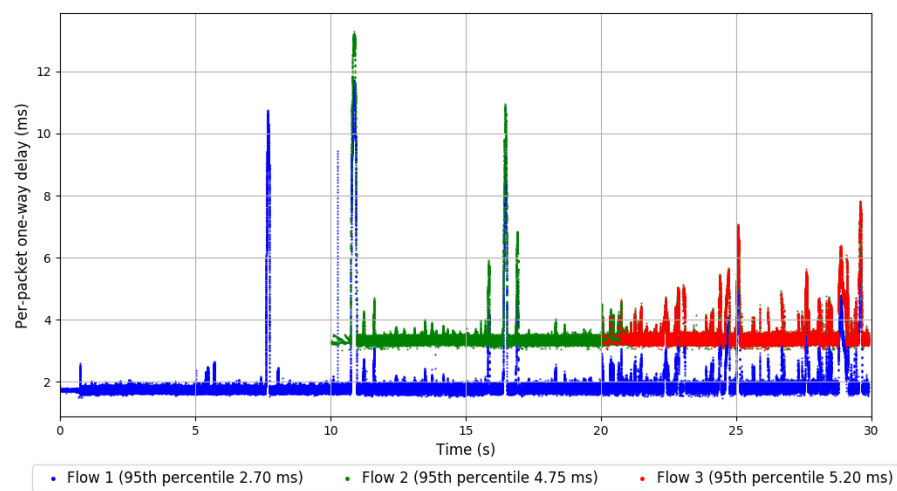
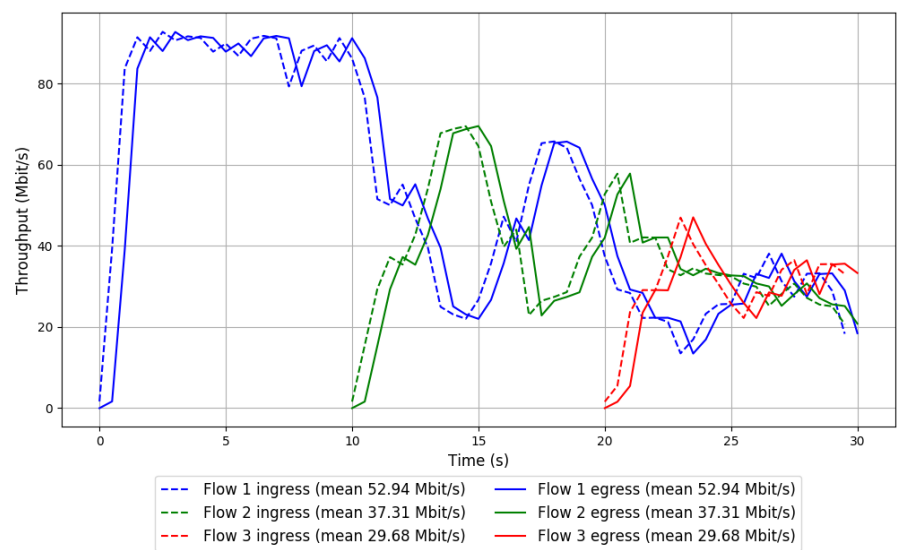


Run 1: Statistics of PCC-Vivace

Start at: 2019-07-12 04:10:48
End at: 2019-07-12 04:11:18
Local clock offset: -7.507 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2019-07-12 06:41:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 4.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 2.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.31 Mbit/s
95th percentile per-packet one-way delay: 4.746 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 5.197 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

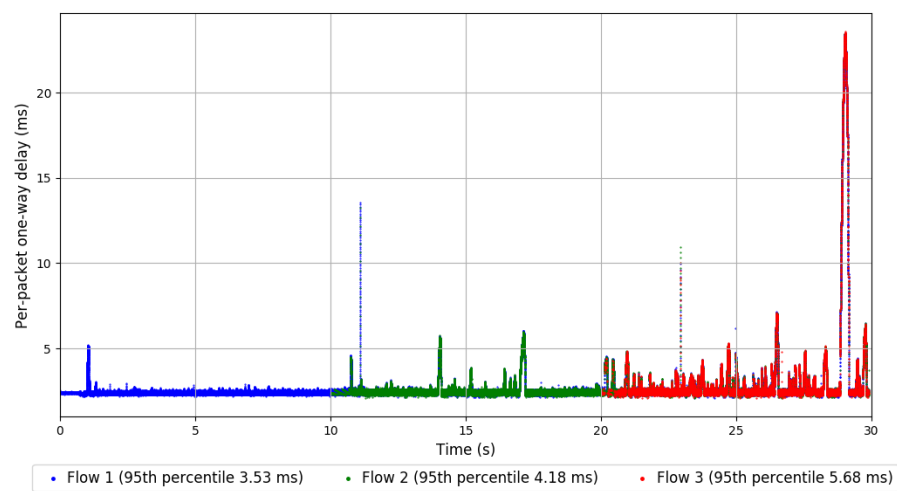
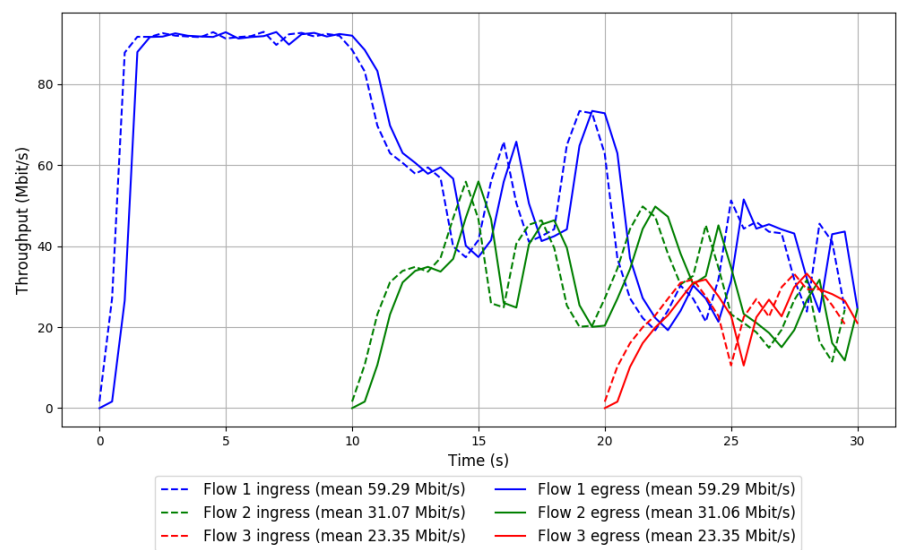


Run 2: Statistics of PCC-Vivace

Start at: 2019-07-12 04:38:09
End at: 2019-07-12 04:38:39
Local clock offset: -6.33 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-07-12 06:41:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 3.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 3.529 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 4.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 5.681 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-07-12 05:05:31

End at: 2019-07-12 05:06:01

Local clock offset: -7.464 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2019-07-12 06:41:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.23 Mbit/s

95th percentile per-packet one-way delay: 2.282 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.34 Mbit/s

95th percentile per-packet one-way delay: 2.023 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.20 Mbit/s

95th percentile per-packet one-way delay: 2.607 ms

Loss rate: 0.00%

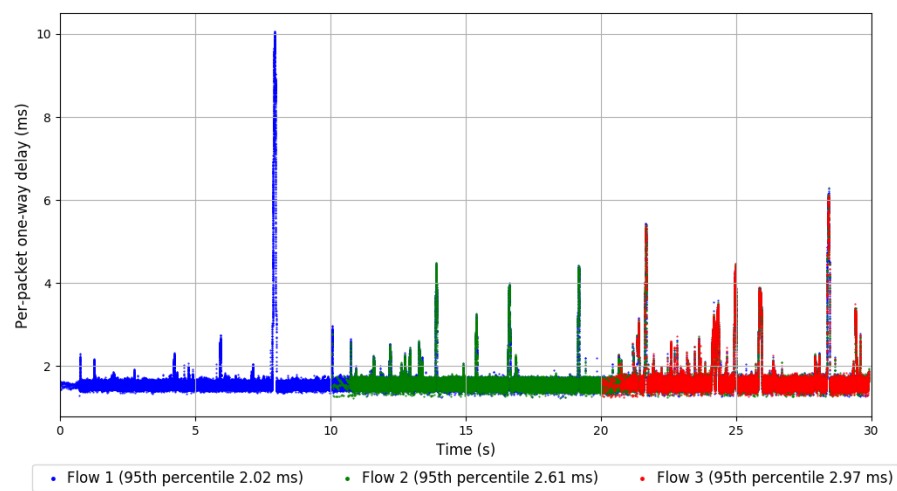
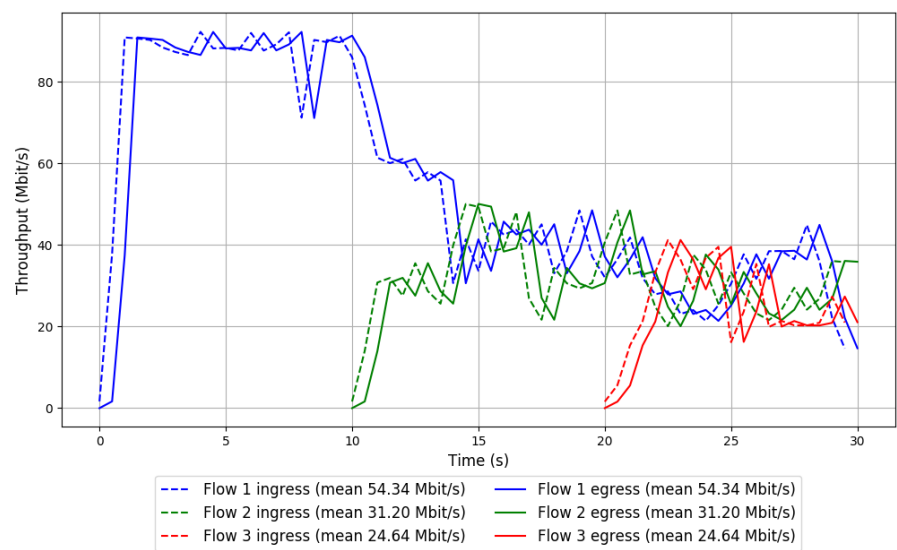
-- Flow 3:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 2.967 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-07-12 05:32:47

End at: 2019-07-12 05:33:17

Local clock offset: -6.741 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2019-07-12 06:41:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 3.091 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.47 Mbit/s

95th percentile per-packet one-way delay: 2.853 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.39 Mbit/s

95th percentile per-packet one-way delay: 3.625 ms

Loss rate: 0.00%

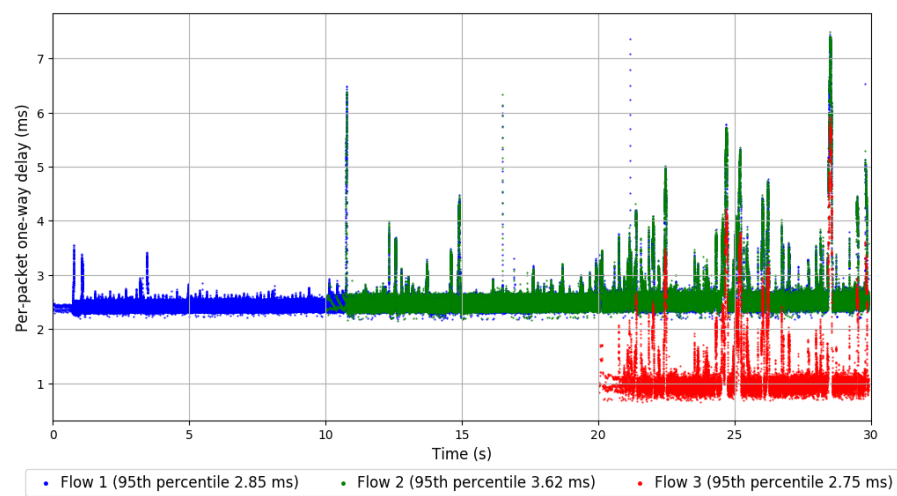
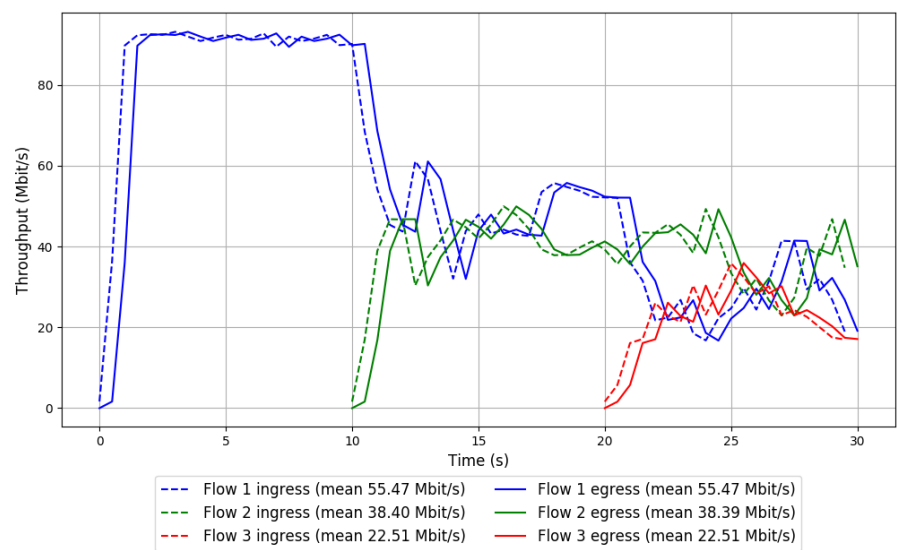
-- Flow 3:

Average throughput: 22.51 Mbit/s

95th percentile per-packet one-way delay: 2.752 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-07-12 06:00:06

End at: 2019-07-12 06:00:36

Local clock offset: -5.843 ms

Remote clock offset: 0.374 ms

Below is generated by plot.py at 2019-07-12 06:41:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 2.860 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 2.641 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.26 Mbit/s

95th percentile per-packet one-way delay: 3.182 ms

Loss rate: 0.00%

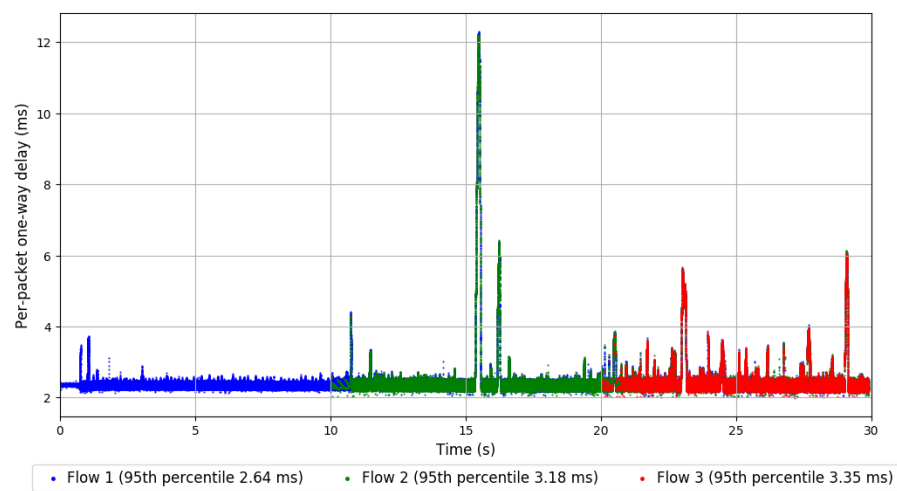
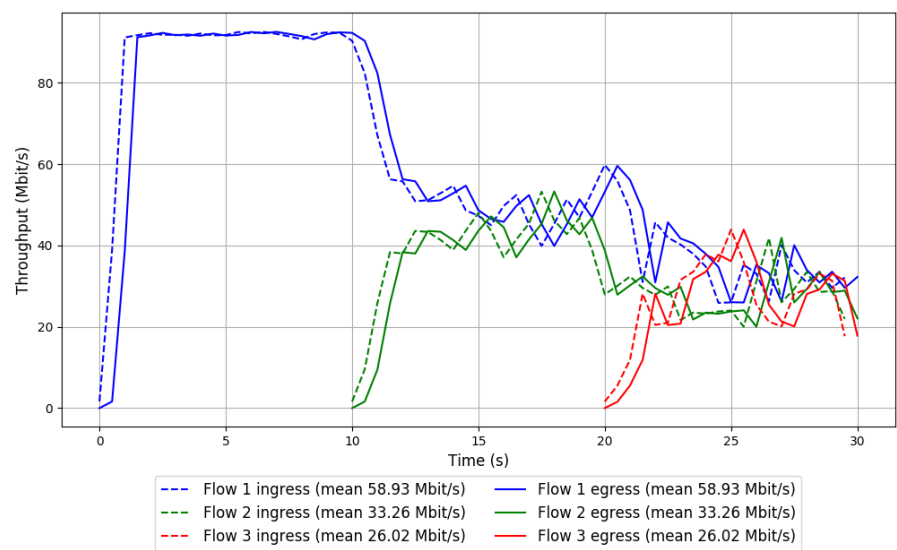
-- Flow 3:

Average throughput: 26.02 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

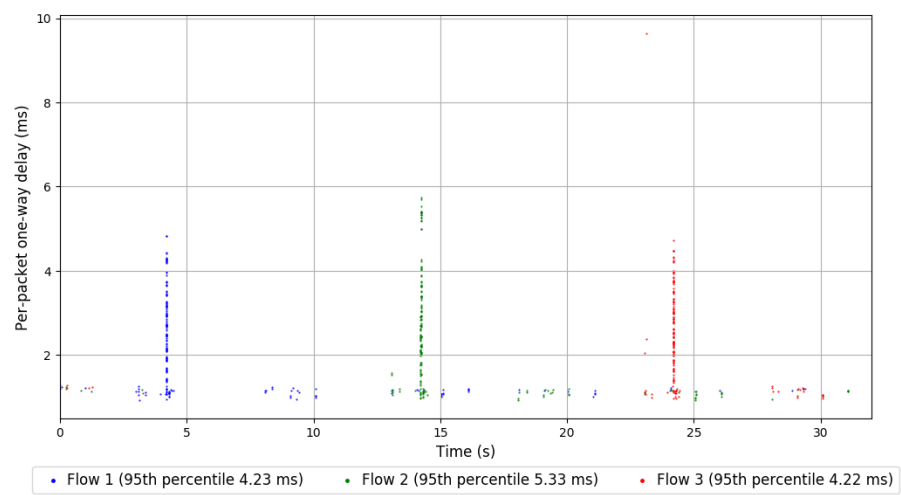
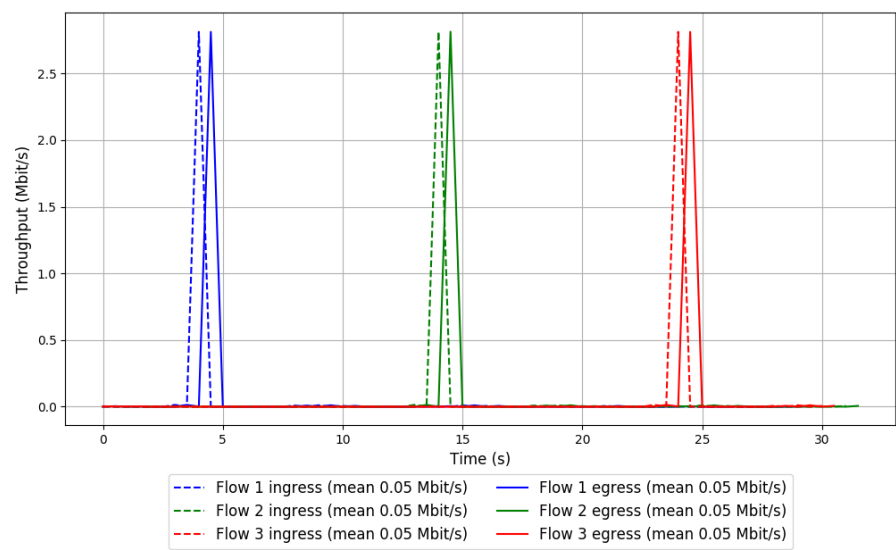


Run 1: Statistics of WebRTC media

Start at: 2019-07-12 04:29:06
End at: 2019-07-12 04:29:36
Local clock offset: -6.83 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-07-12 06:41:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 4.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.233 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.331 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.224 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-07-12 04:56:27

End at: 2019-07-12 04:56:57

Local clock offset: -6.373 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2019-07-12 06:41:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

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

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.685 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 8.496 ms

Loss rate: 0.05%

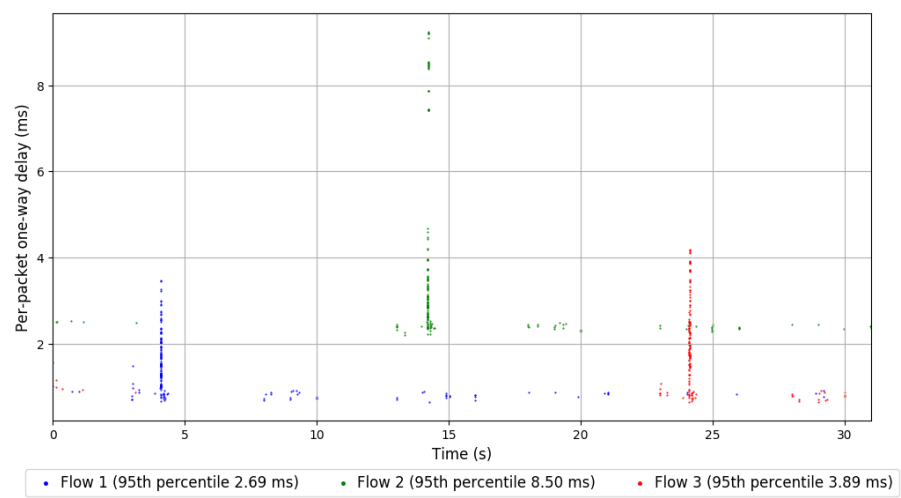
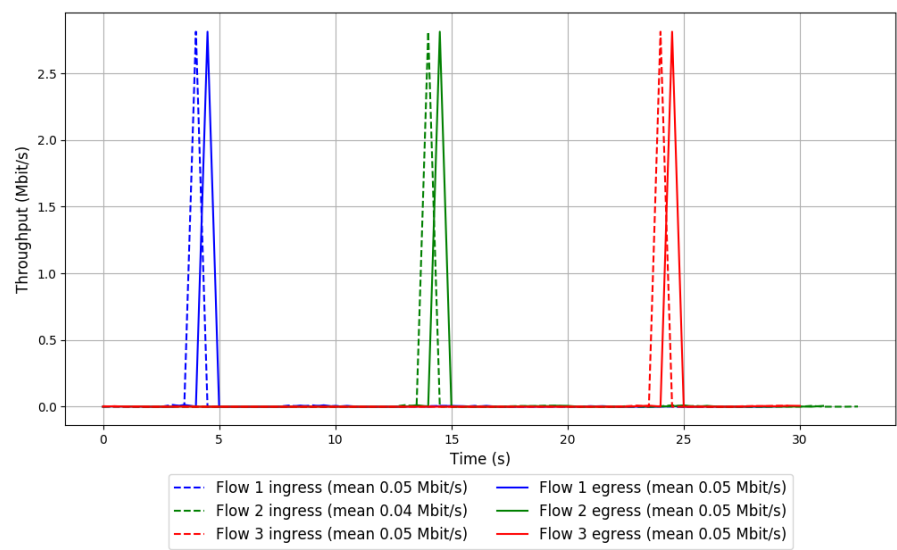
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.888 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-07-12 05:23:48

End at: 2019-07-12 05:24:18

Local clock offset: -8.241 ms

Remote clock offset: 0.324 ms

Below is generated by plot.py at 2019-07-12 06:41:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 4.669 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.146 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.183 ms

Loss rate: 0.00%

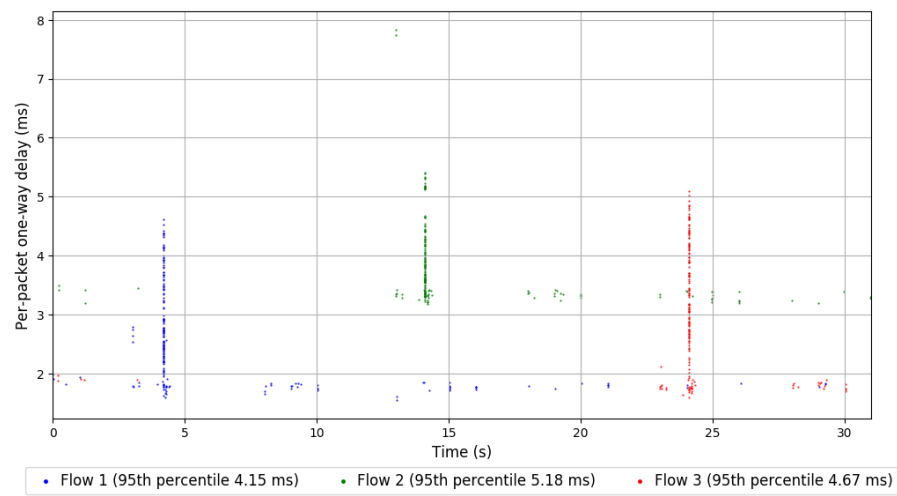
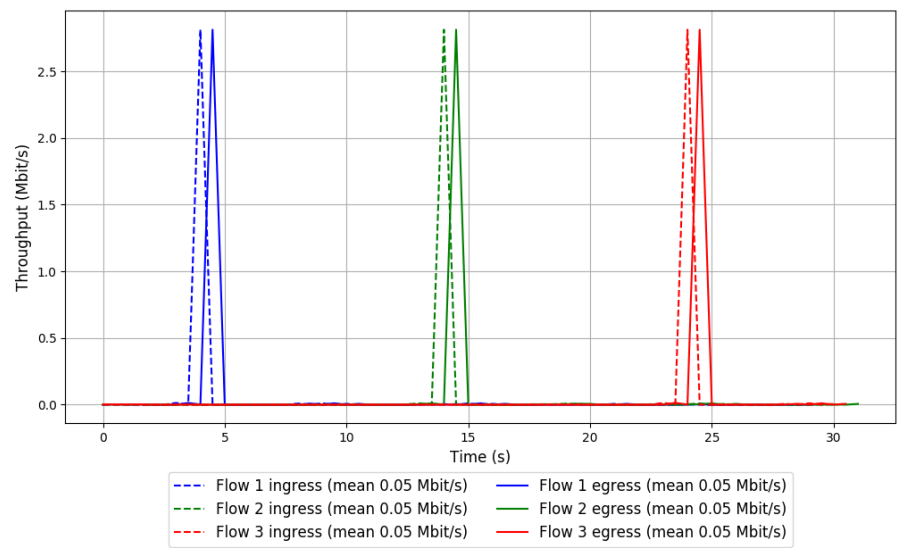
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.669 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-07-12 05:51:03

End at: 2019-07-12 05:51:33

Local clock offset: -5.803 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2019-07-12 06:41:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 9.817 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.855 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.114 ms

Loss rate: 0.00%

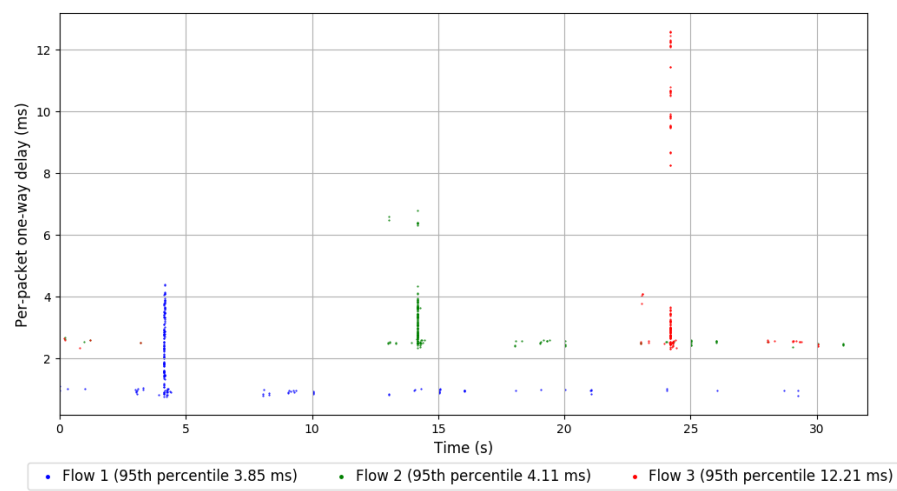
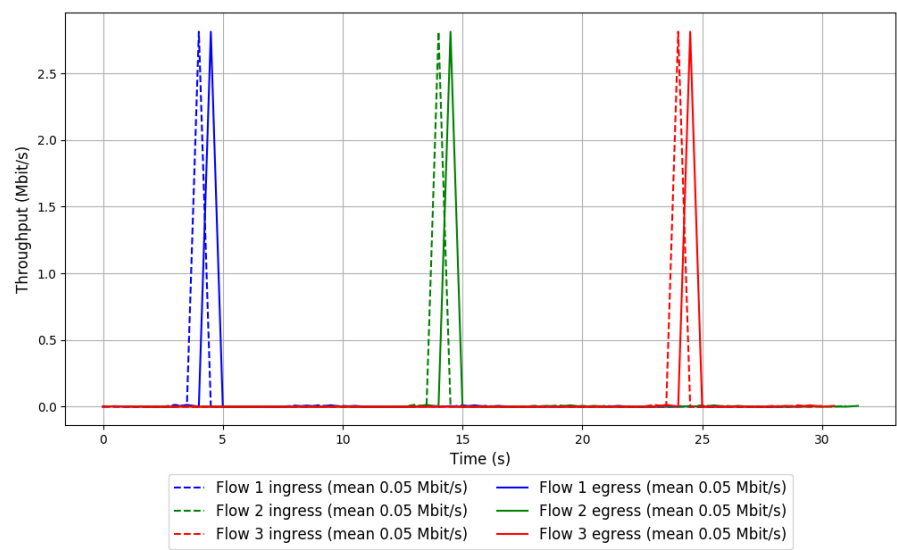
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.207 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-12 06:18:21

End at: 2019-07-12 06:18:51

Local clock offset: -6.878 ms

Remote clock offset: 0.44 ms

Below is generated by plot.py at 2019-07-12 06:41:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.709 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.385 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.538 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

